

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062320\
 Data File : VD065856.D
 Acq On : 23 Jun 2020 13:25
 Operator : VA/SY
 Sample : VD0623SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/24/2020 10:52:38 AM

Quant Time: Jun 24 05:50:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	182686	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	296199	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	276909	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	138387	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	97062	53.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.54%	
35) Dibromofluoromethane	7.91	113	95056	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
50) Toluene-d8	10.34	98	362831	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
62) 4-Bromofluorobenzene	12.64	95	123867	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	30349	22.532	ug/l	99
3) Chloromethane	2.21	50	54360	23.526	ug/l	99
4) Vinyl Chloride	2.35	62	63569	23.585	ug/l	97
5) Bromomethane	2.76	94	44573	23.647	ug/l	96
6) Chloroethane	2.91	64	43978	24.131	ug/l	97
7) Trichlorofluoromethane	3.27	101	68892	22.560	ug/l	93
8) Diethyl Ether	3.71	74	18833	23.457	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	39678	21.790	ug/l	100
10) Methyl Iodide	4.30	142	37701	21.262	ug/l	98
11) Tert butyl alcohol	5.21	59	16175	144.899	ug/l #	85
12) 1,1-Dichloroethene	4.07	96	38278	23.064	ug/l	93
13) Acrolein	3.91	56	8001	78.910	ug/l	93
14) Allyl chloride	4.71	41	61681	22.487	ug/l	98
15) Acrylonitrile	5.41	53	42742	117.214	ug/l #	84
16) Acetone	4.16	43	41734	122.561	ug/l	95
17) Carbon Disulfide	4.40	76	121020	21.726	ug/l	96
18) Methyl Acetate	4.72	43	20686	25.126	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	86122	22.910	ug/l	99
20) Methylene Chloride	4.96	84	47788	24.123	ug/l	87
21) trans-1,2-Dichloroethene	5.47	96	42468	21.850	ug/l	96
22) Diisopropyl ether	6.36	45	128350	23.158	ug/l	99
23) Vinyl Acetate	6.30	43	364618	116.503	ug/l	99
24) 1,1-Dichloroethane	6.27	63	75882	22.471	ug/l	96
25) 2-Butanone	7.21	43	54682	116.278	ug/l	92
26) 2,2-Dichloropropane	7.20	77	68834	22.989	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	47944	22.932	ug/l	100
28) Bromochloromethane	7.54	49	29761	22.818	ug/l #	98
29) Tetrahydrofuran	7.57	42	34739	116.879	ug/l	98
30) Chloroform	7.71	83	79436	22.695	ug/l	94
31) Cyclohexane	7.98	56	68564	21.179	ug/l	93
32) 1,1,1-Trichloroethane	7.91	97	69969	21.740	ug/l	97
36) 1,1-Dichloropropene	8.11	75	59687	21.036	ug/l	100
37) Ethyl Acetate	7.29	43	27201	24.338	ug/l #	79
38) Carbon Tetrachloride	8.10	117	64940	21.747	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	69156	20.586	ug/l	97
40) Benzene	8.35	78	171705	22.136	ug/l	100
41) Methacrylonitrile	7.53	41	14388	21.621	ug/l #	93
42) 1,2-Dichloroethane	8.43	62	52356	22.370	ug/l	100
43) Isopropyl Acetate	8.45	43	48683	21.906	ug/l	97
44) Trichloroethene	9.11	130	45564	21.108	ug/l	100
45) 1,2-Dichloropropane	9.38	63	41137	21.106	ug/l	98
46) Dibromomethane	9.48	93	22801	21.570	ug/l	96
47) Bromodichloromethane	9.66	83	60558	21.379	ug/l	96
48) Methyl methacrylate	9.46	41	22844	21.236	ug/l	95
49) 1,4-Dioxane	9.46	88	5152	457.910	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	122136	112.155	ug/l	96
52) Toluene	10.40	92	109629	21.751	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	57518	22.424	ug/l	91
54) cis-1,3-Dichloropropene	10.09	75	66538	21.964	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	31413	22.241	ug/l	93
56) Ethyl methacrylate	10.66	69	36840	22.176	ug/l	97
57) 1,3-Dichloropropane	10.95	76	54091	22.105	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	85666	110.915	ug/l	100
59) 2-Hexanone	10.98	43	83909	114.288	ug/l	99
60) Dibromochloromethane	11.14	129	40636	21.298	ug/l	95
61) 1,2-Dibromoethane	11.25	107	30150	21.721	ug/l	98
64) Tetrachloroethene	10.88	164	38895	20.772	ug/l	93
65) Chlorobenzene	11.67	112	115544	21.374	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	42262	20.973	ug/l	98
67) Ethyl Benzene	11.75	91	207077	21.443	ug/l	100
68) m/p-Xylenes	11.86	106	158580	42.631	ug/l	98
69) o-Xylene	12.18	106	72138	21.508	ug/l	98
70) Styrene	12.20	104	125654	21.642	ug/l	98
71) Bromoform	12.36	173	23422	21.108	ug/l #	98
73) Isopropylbenzene	12.48	105	197619	21.299	ug/l	100
74) N-amyl acetate	12.29	43	46463	22.509	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	34257	21.862	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	26206m	24.349	ug/l	
77) Bromobenzene	12.77	156	47335	21.562	ug/l	98
78) n-propylbenzene	12.83	91	242282	21.693	ug/l	100
79) 2-Chlorotoluene	12.91	91	134513	21.955	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	166237	21.530	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	10740	21.561	ug/l	99
82) 4-Chlorotoluene	13.01	91	144486	21.970	ug/l	99
83) tert-Butylbenzene	13.23	119	145959	21.786	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	167650	21.693	ug/l	99
85) sec-Butylbenzene	13.41	105	201417	21.603	ug/l	99
86) p-Isopropyltoluene	13.52	119	187941	21.993	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	93705	21.648	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	92477	21.478	ug/l	96
89) n-Butylbenzene	13.85	91	175223	21.499	ug/l	99
90) Hexachloroethane	14.12	117	36864	21.551	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	80781	21.685	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5679	21.777	ug/l	92

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MSVOA_D
ClientSampleId :
VD0623SBSD01

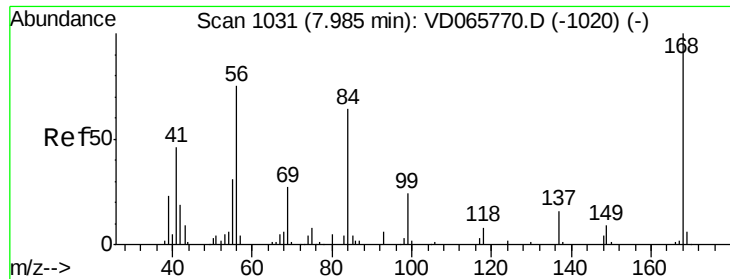
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	53626	21.172	ug/l	99
94) Hexachlorobutadiene	15.27	225	29571	19.313	ug/l	99
95) Naphthalene	15.41	128	89035	20.752	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	45916	21.048	ug/l #	27

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065856.D

Acq: 23 Jun 2020 13:25

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBS01

Tot Ion:168 Resp: 182686

Ion Ratio Lower Upper

168 100

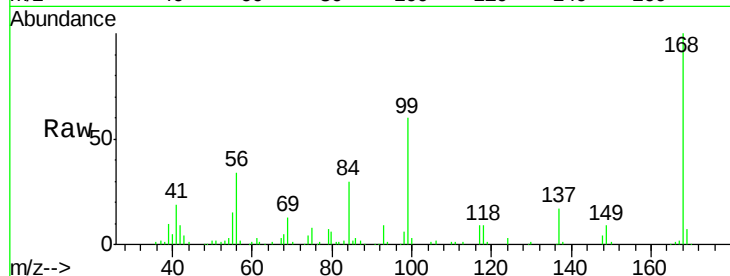
99 59.3 45.3 67.9

Manual Integrations

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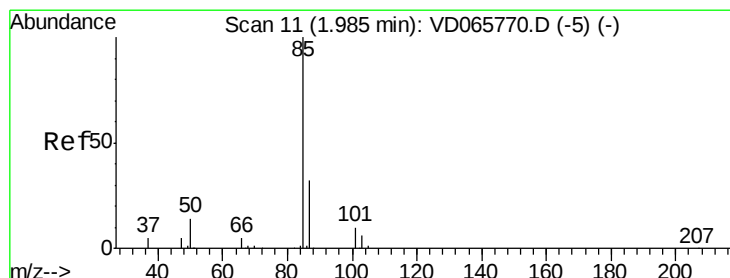
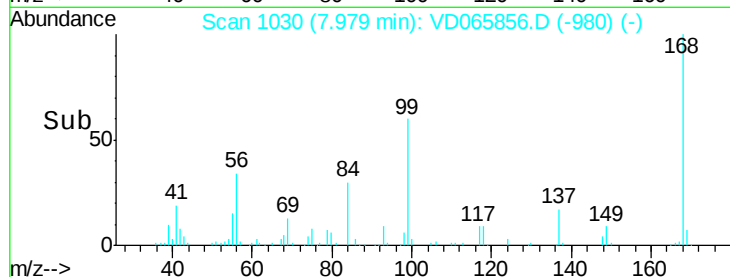
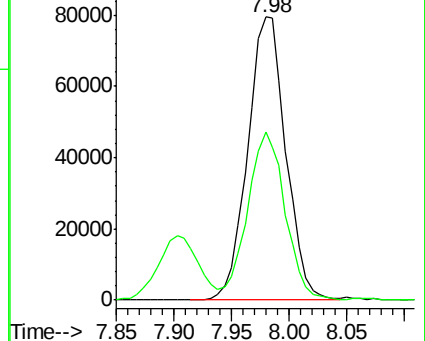
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 22.532 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065856.D

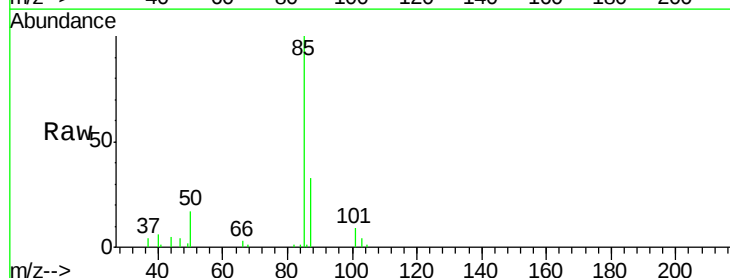
Acq: 23 Jun 2020 13:25

Tgt Ion: 85 Resp: 30349

Ion Ratio Lower Upper

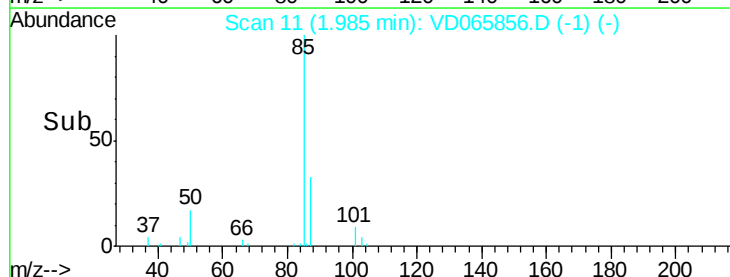
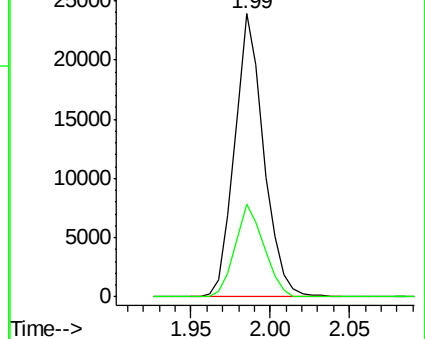
85 100

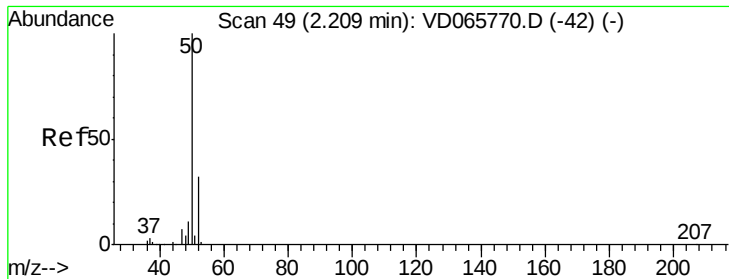
87 32.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.526 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065856.D

Acq: 23 Jun 2020 13:25

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBSD01

Tot Ion: 50 Resp: 54360

Ion Ratio Lower Upper

50 100

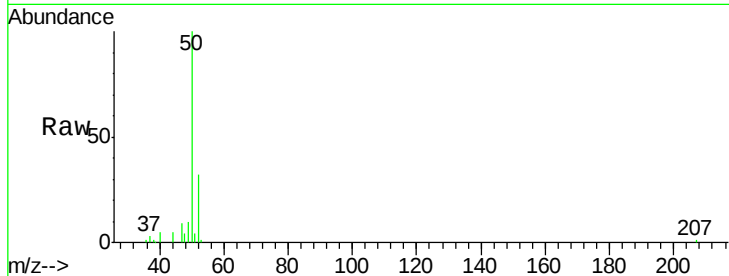
52 31.7 25.6 38.4

Manual Integrations

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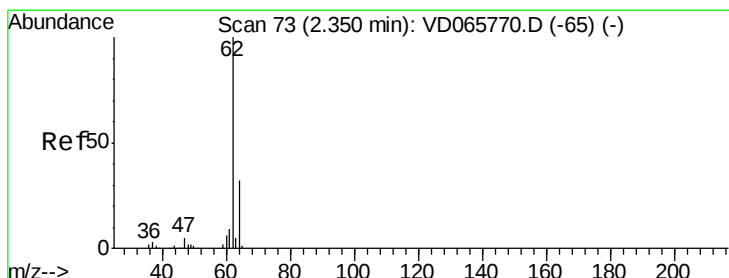
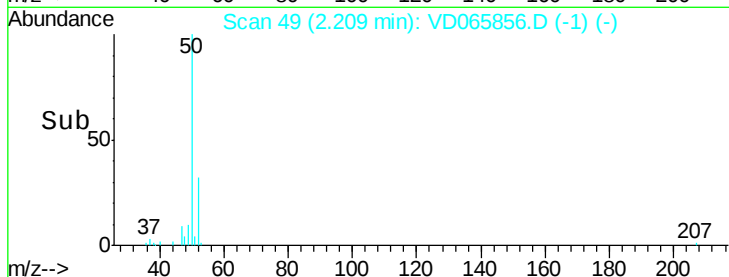
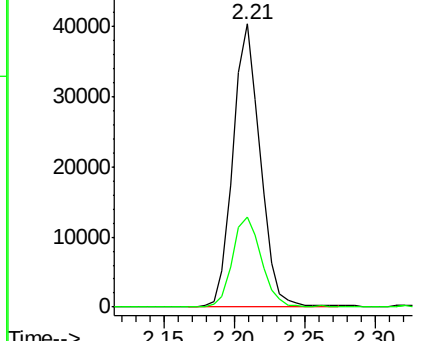
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.585 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065856.D

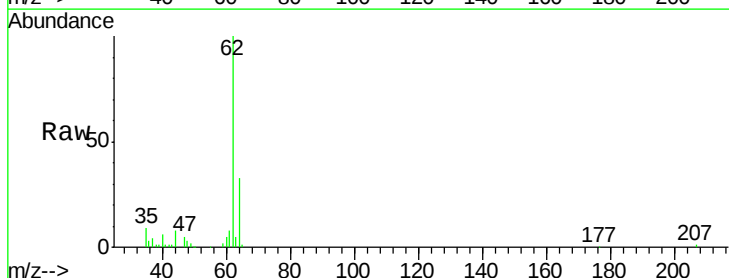
Acq: 23 Jun 2020 13:25

Tgt Ion: 62 Resp: 63569

Ion Ratio Lower Upper

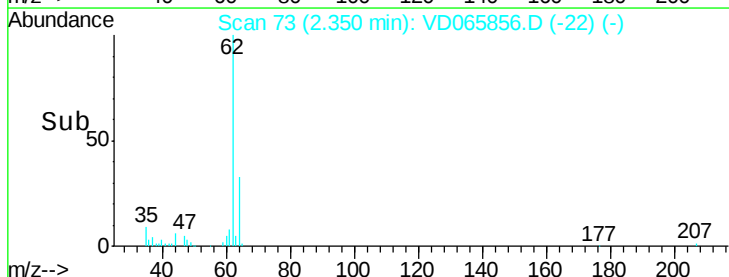
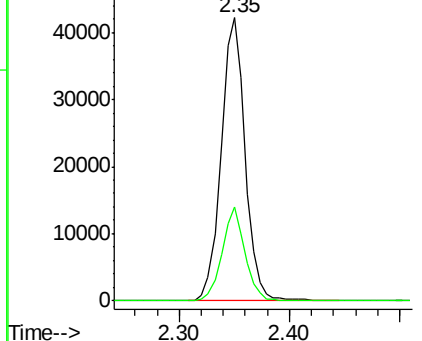
62 100

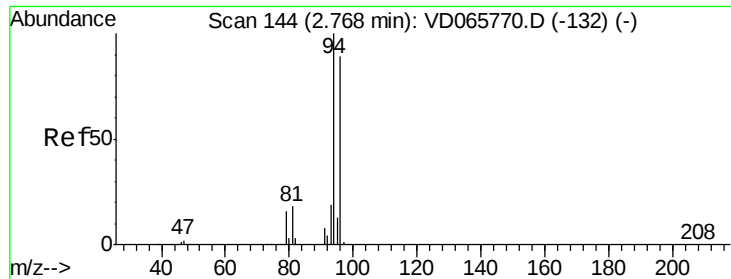
64 33.4 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 23.647 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD065856.D

Acq: 23 Jun 2020 13:25

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBSD01

Tot Ion: 94 Resp: 44573

Ion Ratio Lower Upper

94 100

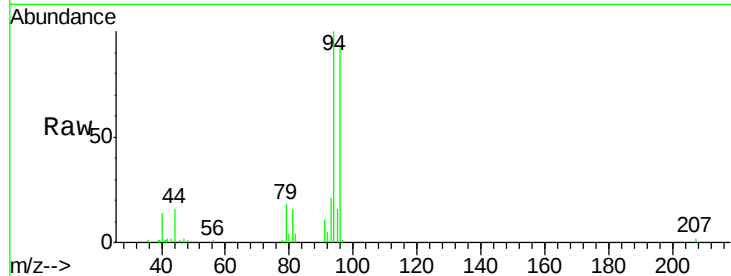
96 93.3 71.4 107.0

Manual Integrations

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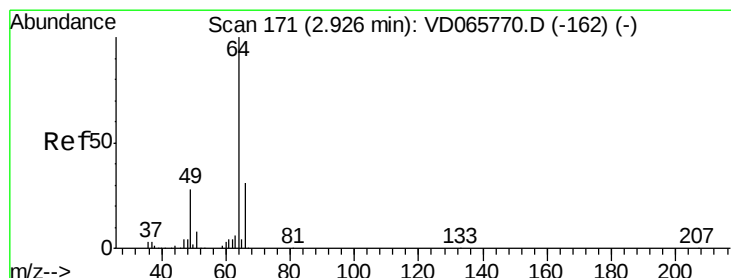
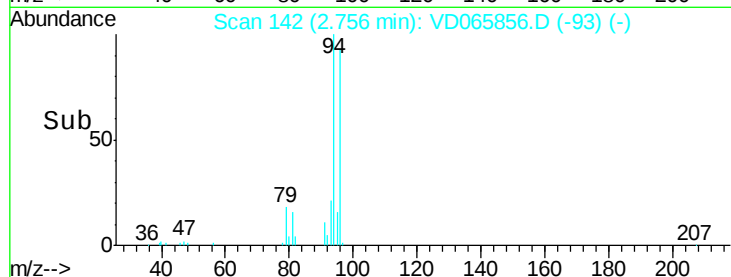
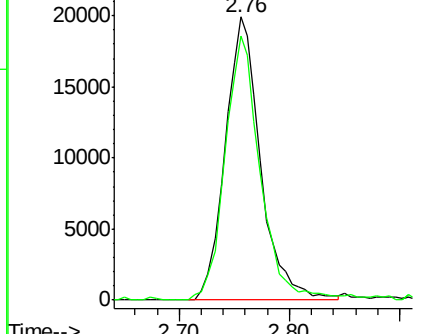
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 24.131 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD065856.D

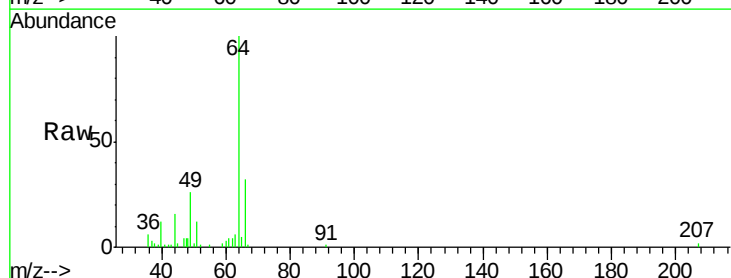
Acq: 23 Jun 2020 13:25

Tgt Ion: 64 Resp: 43978

Ion Ratio Lower Upper

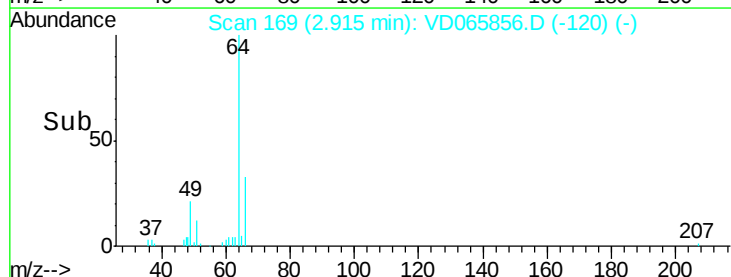
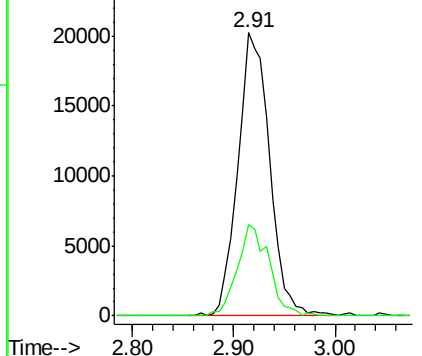
64 100

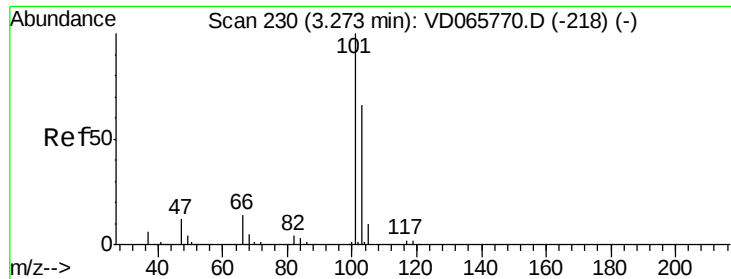
66 32.2 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

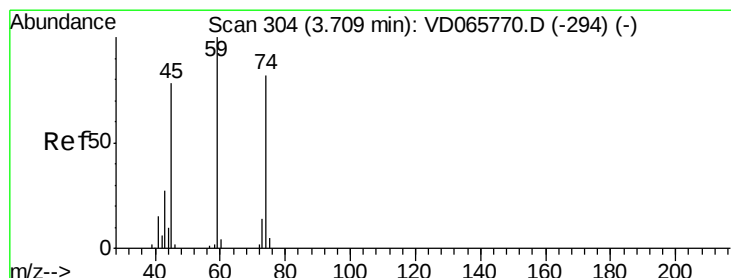
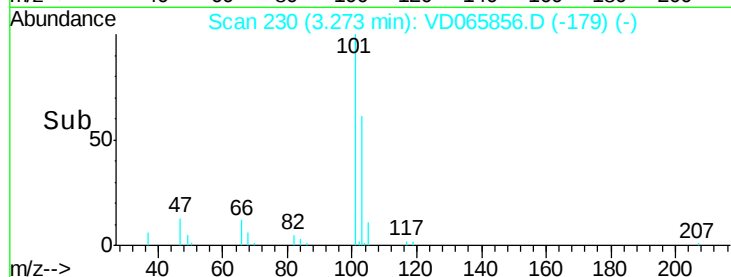
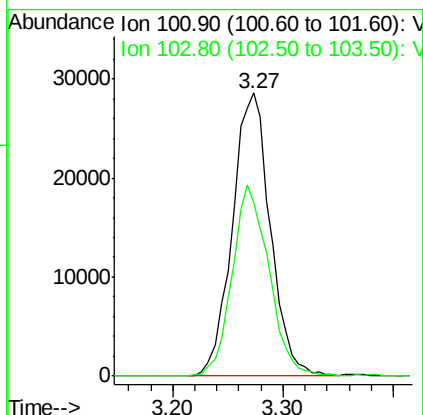
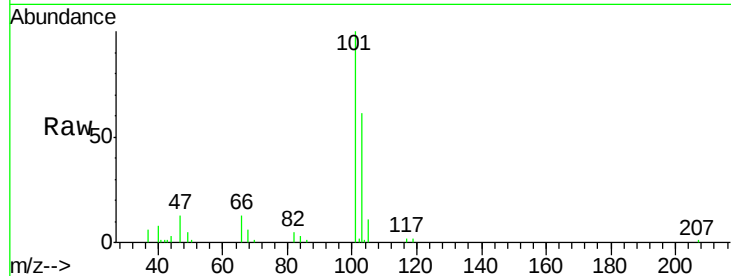
Trichlorofluoromethane
 Concen: 22.560 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065856.D
 Acq: 23 Jun 2020 13:25

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 MSVOA_D
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 VD0623SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.1	53.1	79.7

Manual Integrations
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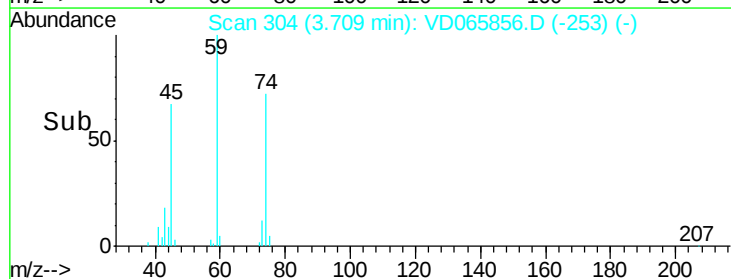
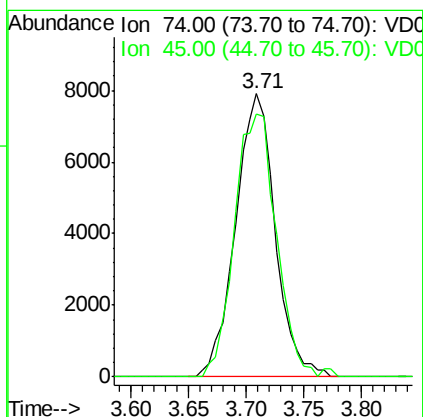
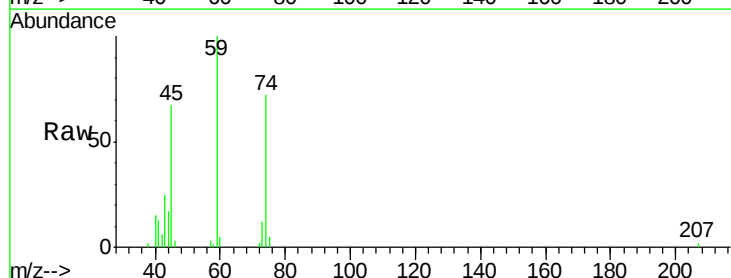
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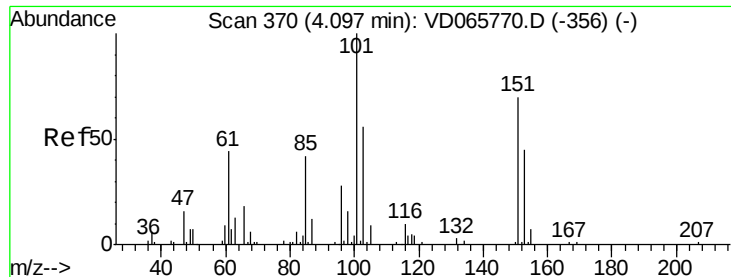


#8

Diethyl Ether
 Concen: 23.457 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065856.D
 Acq: 23 Jun 2020 13:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.9	47.9	143.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.790 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD065856.D

Acq: 23 Jun 2020 13:25

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MSVOA_D

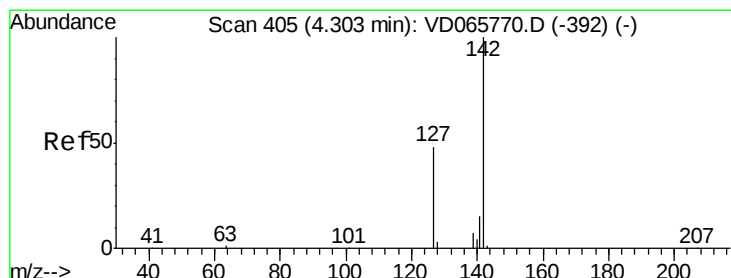
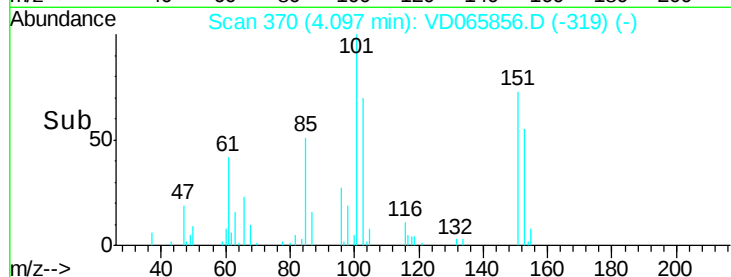
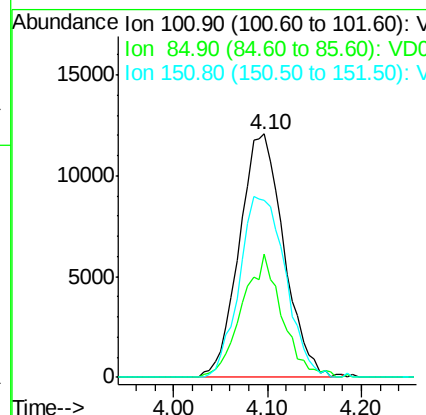
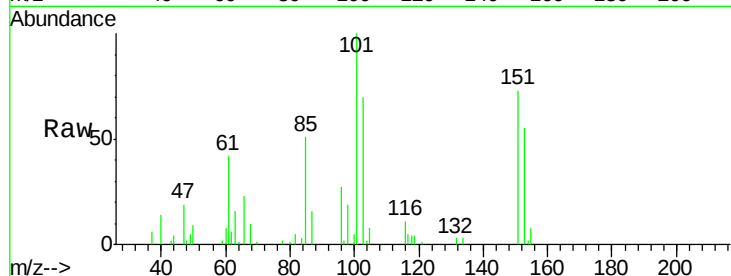
ClientSampleId :

VD0623SBSD01

Tot Ion:	101	Resp:	39678
Ion Ratio	Lower	Upper	
101	100		
85	45.6	36.5	54.7
151	76.8	61.8	92.6

Manual Integrations
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MMDadoda
6/24/2020 10:52:38 AM



#10

Methyl Iodide

Concen: 21.262 ug/l

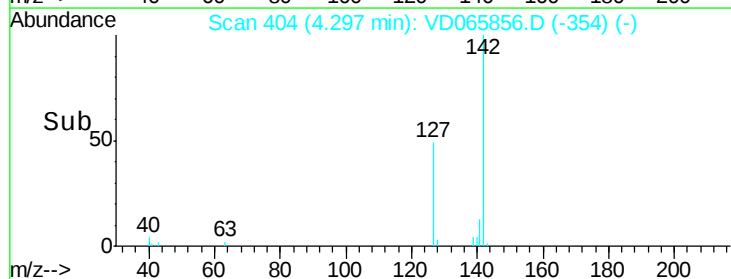
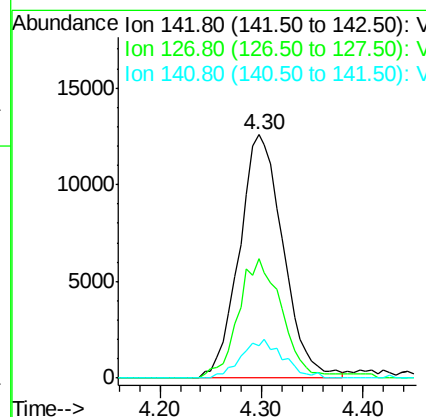
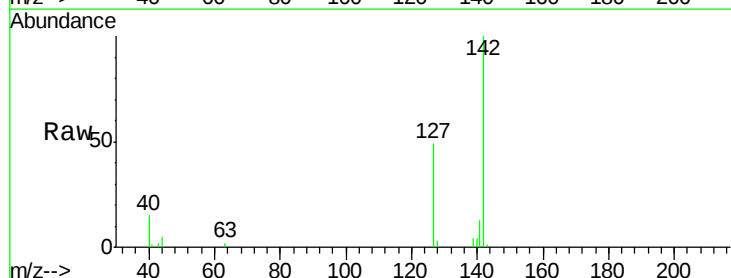
RT: 4.30 min Scan# 404

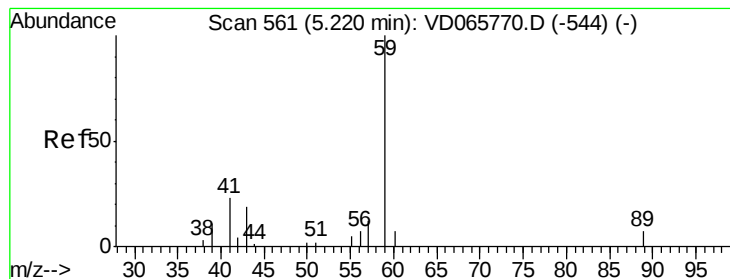
Delta R.T. -0.01 min

Lab File: VD065856.D

Acq: 23 Jun 2020 13:25

Tgt Ion:	142	Resp:	37701
Ion Ratio	Lower	Upper	
142	100		
127	48.3	37.6	56.4
141	15.2	12.1	18.1





#11

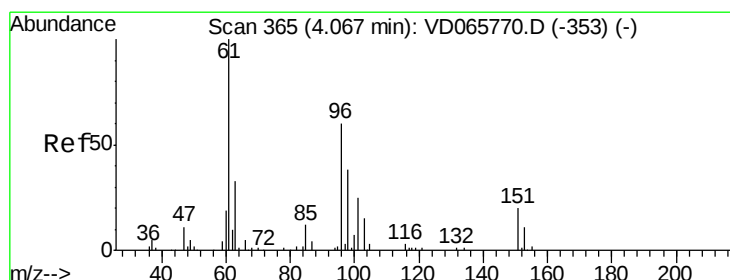
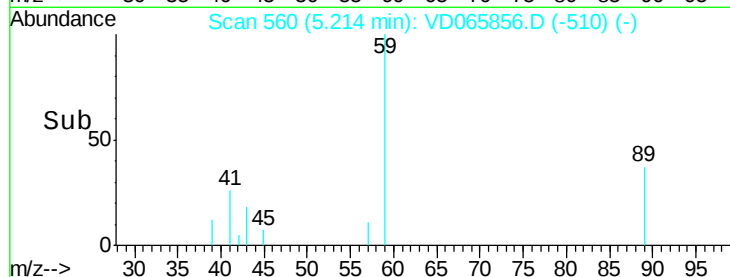
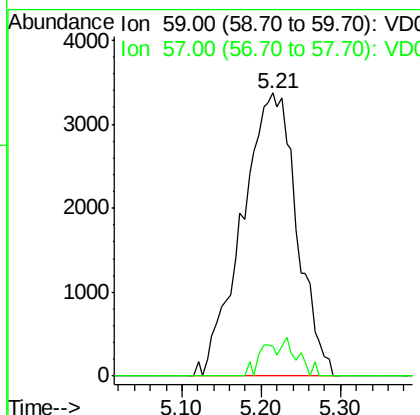
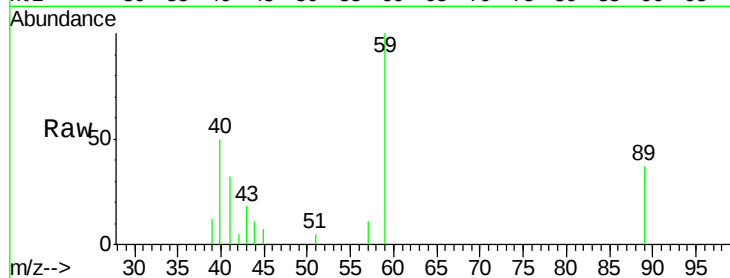
Tert butyl alcohol
 Concen: 144.899 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD065856.D
 Acq: 23 Jun 2020 13:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	3.9	7.5	11.3#

Manual Integrations
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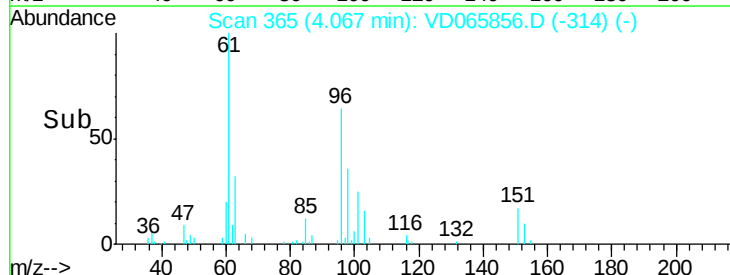
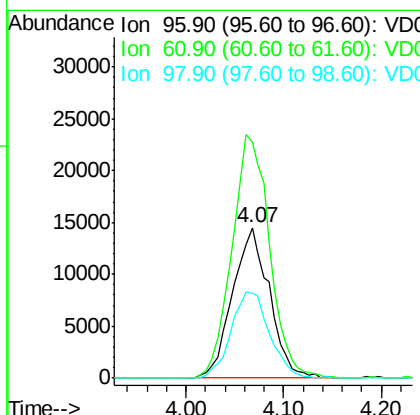
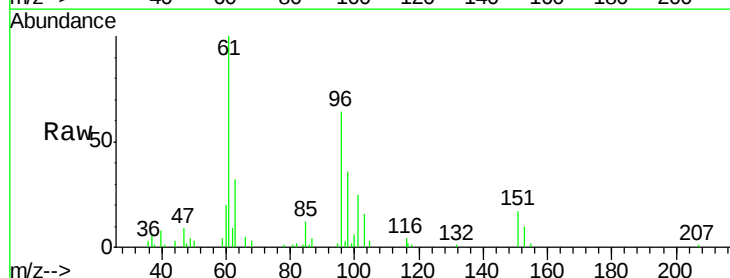
MMDadoda
 6/24/2020 10:52:38 AM

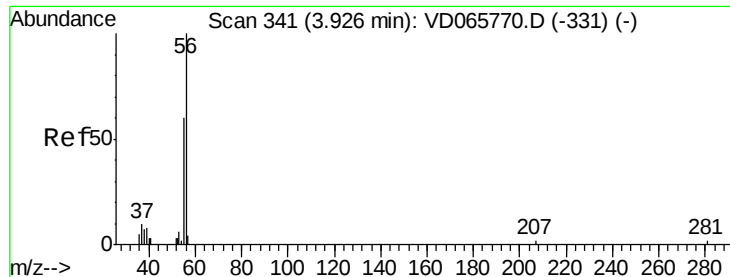


#12

1,1-Dichloroethene
 Concen: 23.064 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VD065856.D
 Acq: 23 Jun 2020 13:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.5	132.3	198.5
98	56.4	50.7	76.1





#13

Acrolein

Concen: 78.910 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD065856.D

Acq: 23 Jun 2020 13:25

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBSD01

Tot Ion: 56 Resp: 8001

Ion Ratio Lower Upper

56 100

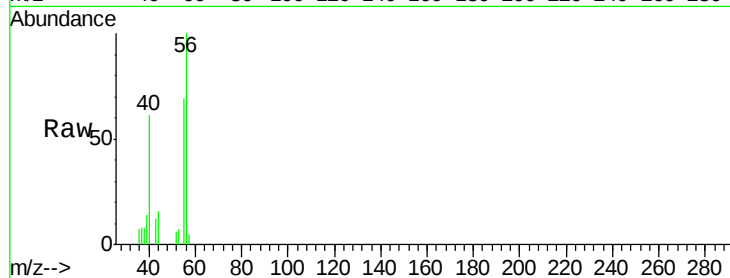
55 74.2 54.8 82.2

Manual Integrations

APPROVED

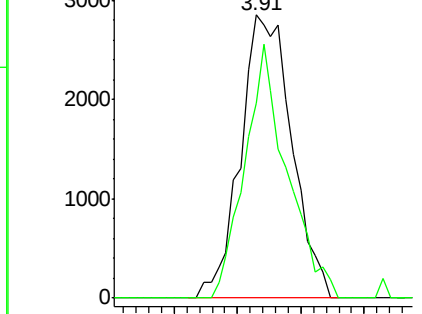
MMDadoda

6/24/2020 10:52:38 AM

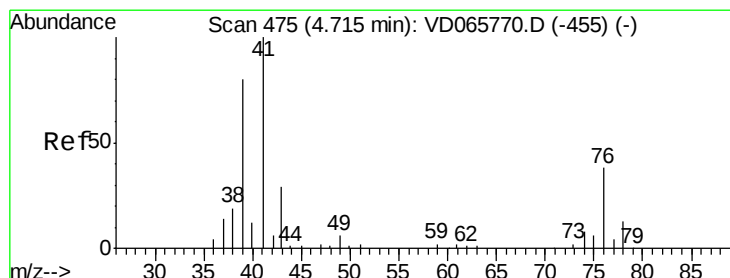
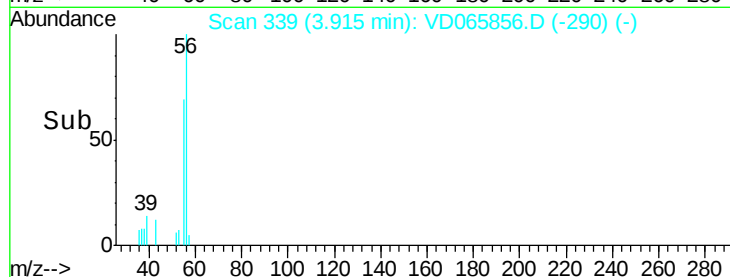


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



Time-->



#14

Allyl chloride

Concen: 22.487 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065856.D

Acq: 23 Jun 2020 13:25

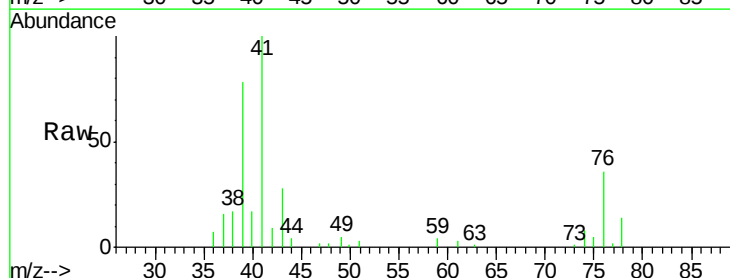
Tgt Ion: 41 Resp: 61681

Ion Ratio Lower Upper

41 100

39 77.4 60.9 91.3

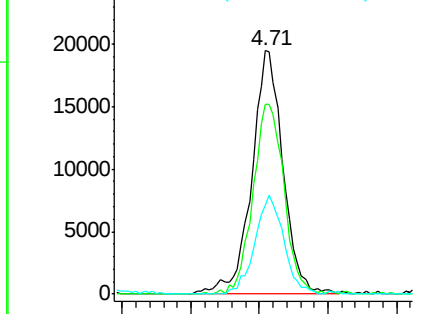
76 37.4 28.9 43.3



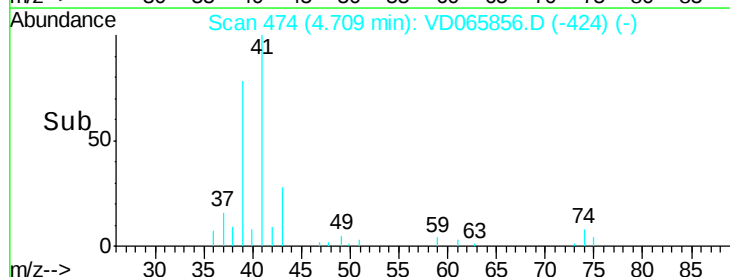
Abundance Ion 41.00 (40.70 to 41.70): VDC

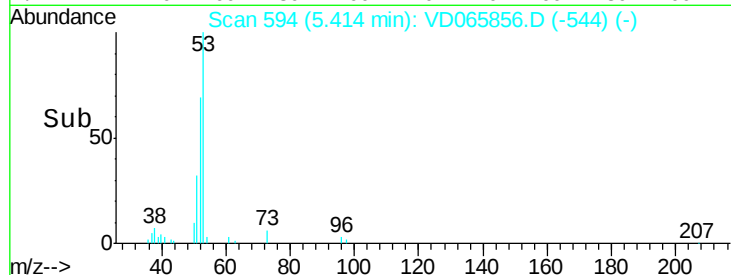
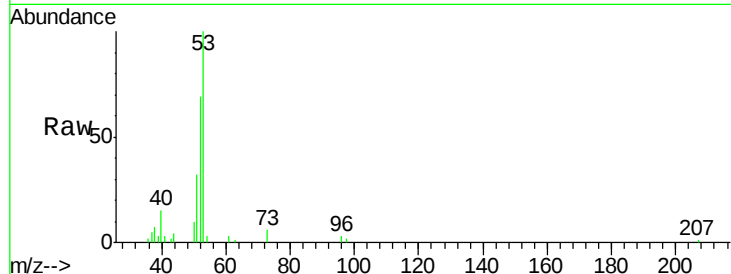
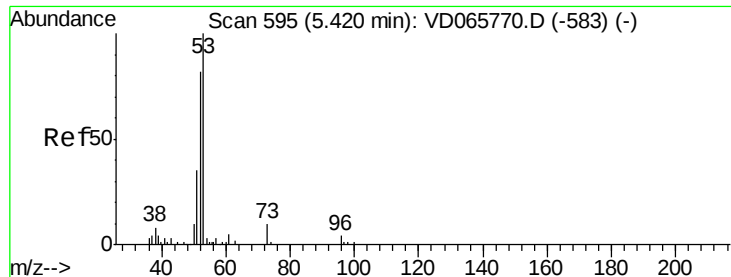
Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC



Time-->





#15

Acrylonitrile

Concen: 117.214 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD065856.D

Acq: 23 Jun 2020 13:25

Tot Ion:	53	Resp:	42742
Ion Ratio	Lower	Upper	
53	100		
52	76.4	66.2	99.2
51	16.2	30.7	46.1#

Instrument :

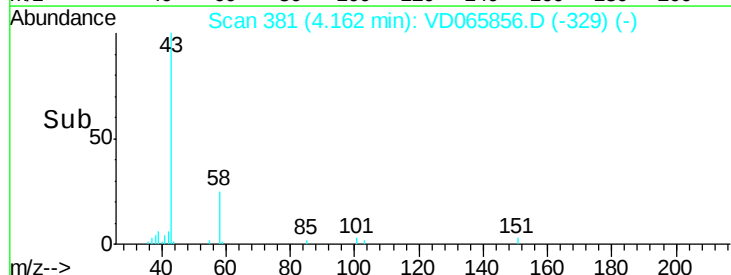
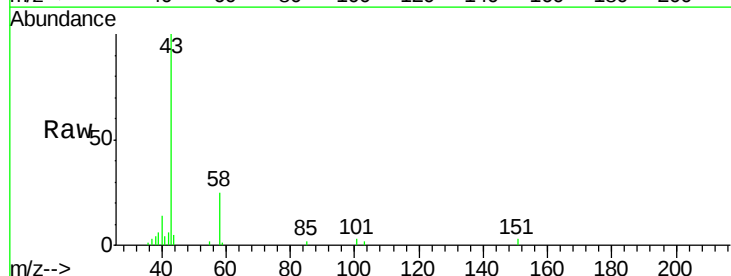
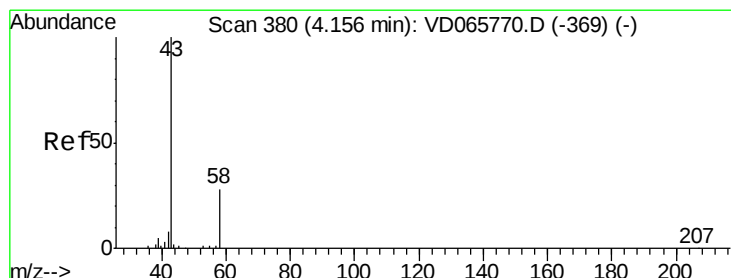
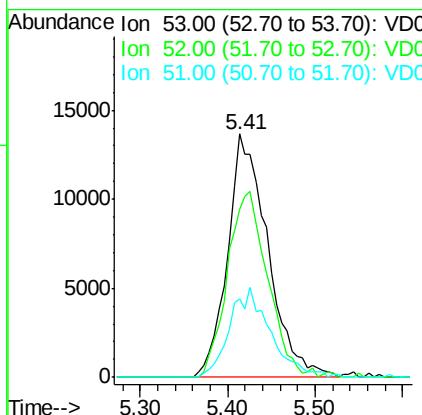
MSVOA_D

ClientSampleId :

VD0623SBS01

Manual Integrations
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#16

Acetone

Concen: 122.561 ug/l

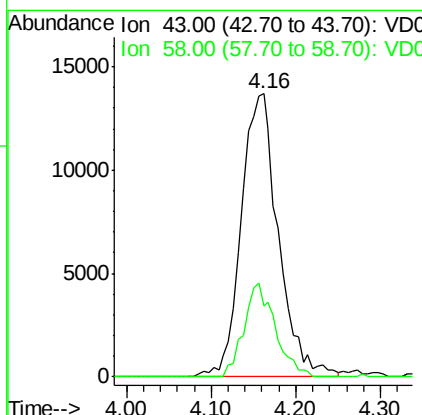
RT: 4.16 min Scan# 381

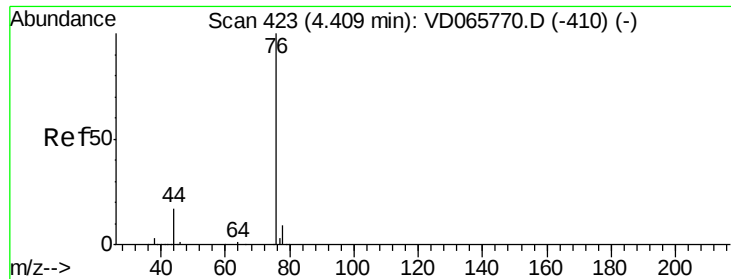
Delta R.T. 0.01 min

Lab File: VD065856.D

Acq: 23 Jun 2020 13:25

Tgt Ion:	43	Resp:	41734
Ion Ratio	Lower	Upper	
43	100		
58	25.3	22.3	33.5





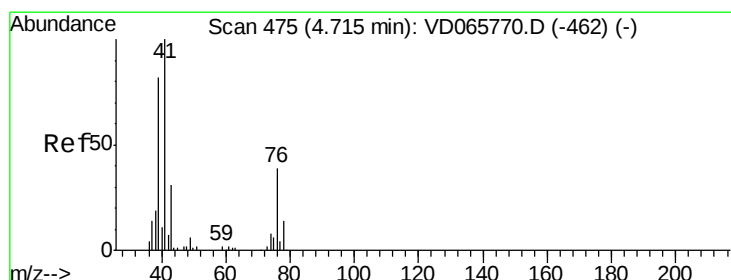
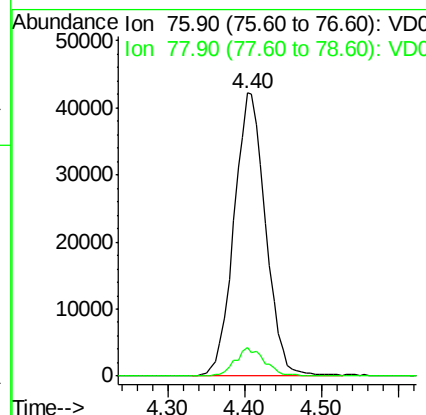
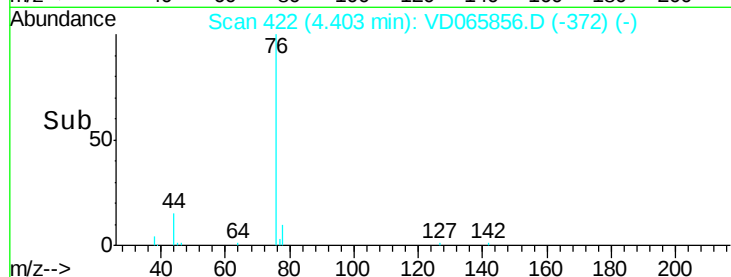
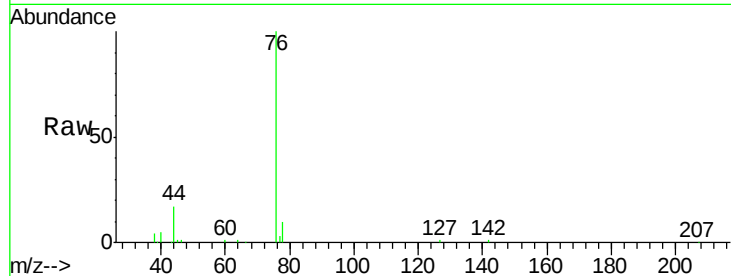
#17
Carbon Disulfide
Concen: 21.726 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD065856.D
Acq: 23 Jun 2020 13:25

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

Tot Ion: 76 Resp: 121020
Ion Ratio Lower Upper
76 100
78 10.2 7.1 10.7

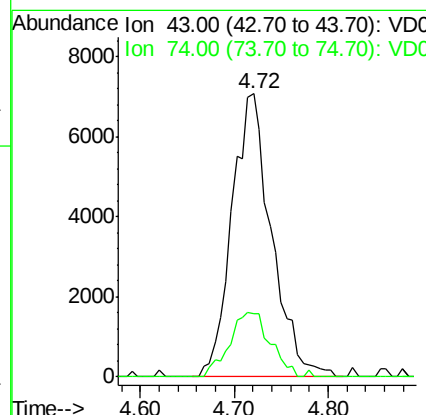
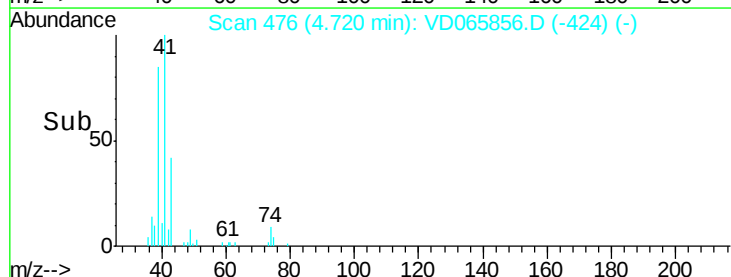
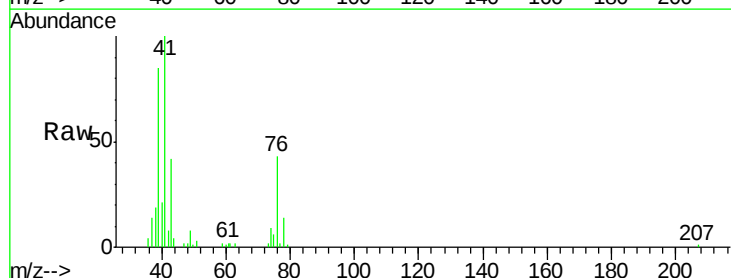
Manual Integrations
APPROVED

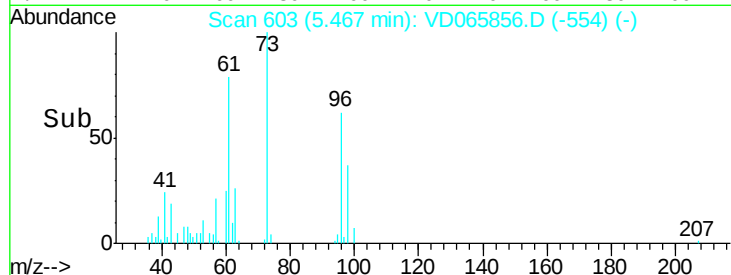
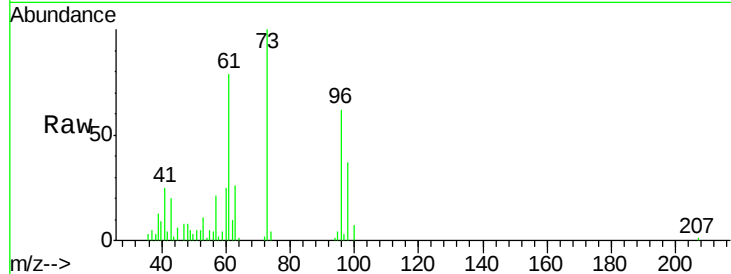
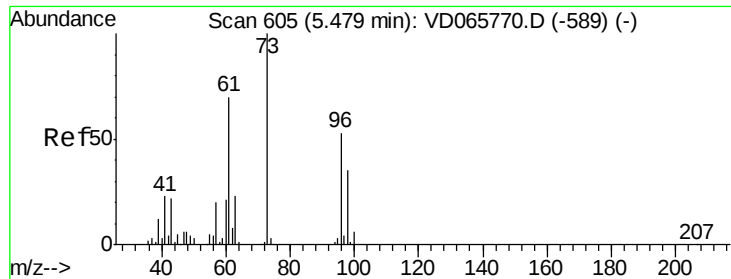
MMDadoda
6/24/2020 10:52:38 AM



#18
Methyl Acetate
Concen: 25.126 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD065856.D
Acq: 23 Jun 2020 13:25

Tgt Ion: 43 Resp: 20686
Ion Ratio Lower Upper
43 100
74 23.4 18.7 28.1





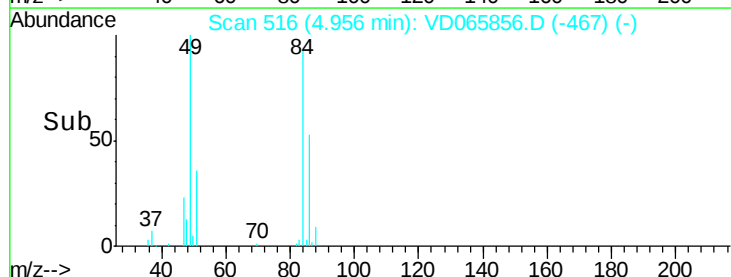
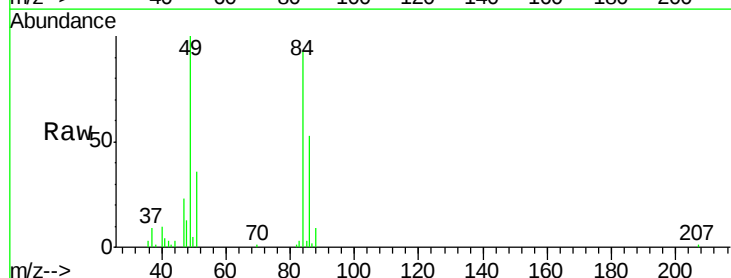
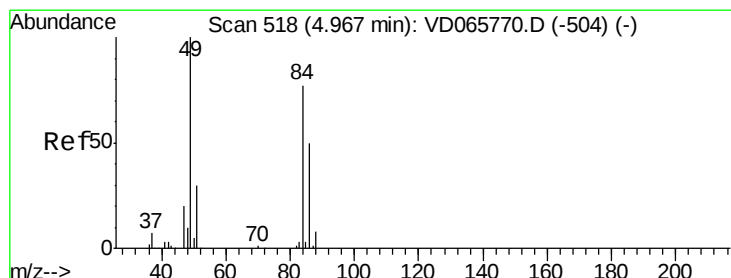
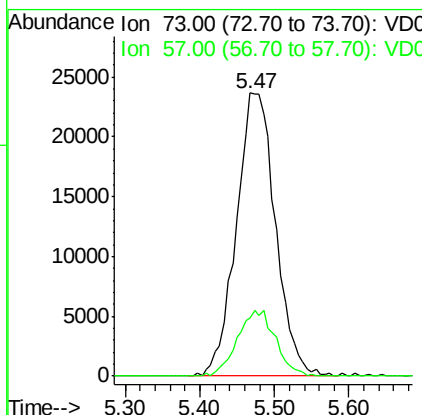
#19
Methvl tert-butvl Ether
Concen: 22.910 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD065856.D
Acq: 23 Jun 2020 13:25

Tot Ion: 73 Resp: 86122
Ion Ratio Lower Upper
73 100
57 20.7 16.2 24.2

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

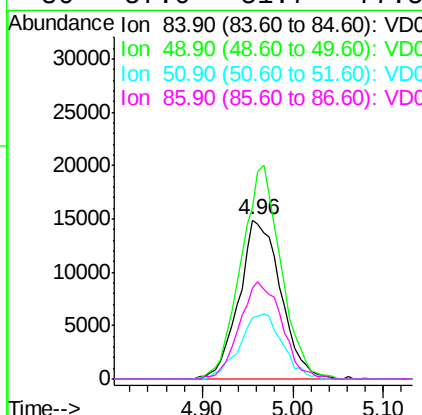
Manual Integrations
APPROVED

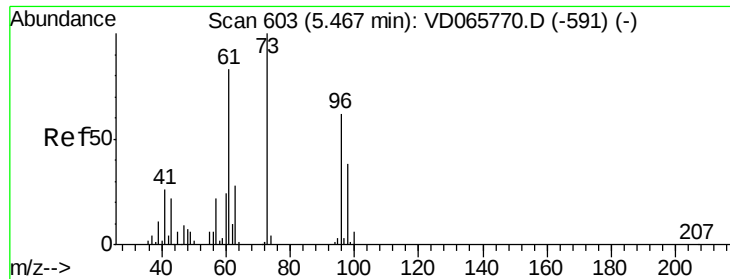
MMDadoda
6/24/2020 10:52:38 AM



#20
Methylene Chloride
Concen: 24.123 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065856.D
Acq: 23 Jun 2020 13:25

Tgt Ion: 84 Resp: 47788
Ion Ratio Lower Upper
84 100
49 108.0 103.4 155.0
51 38.6 31.4 47.2
86 57.0 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 21.850 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD065856.D

Acq: 23 Jun 2020 13:25

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBSD01

Tot Ion: 96 Resp: 42468

Ion Ratio Lower Upper

96 100

61 128.9 107.7 161.5

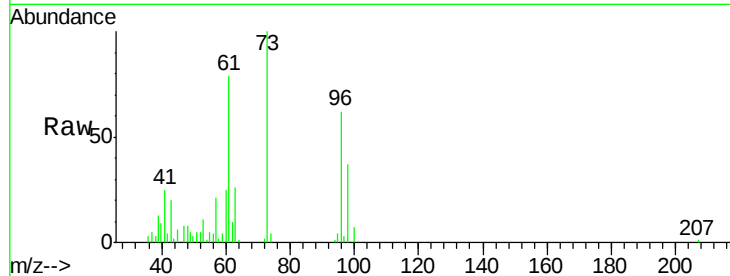
98 60.6 49.3 73.9

Manual Integrations

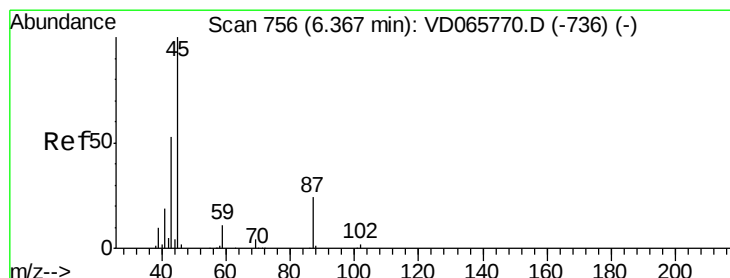
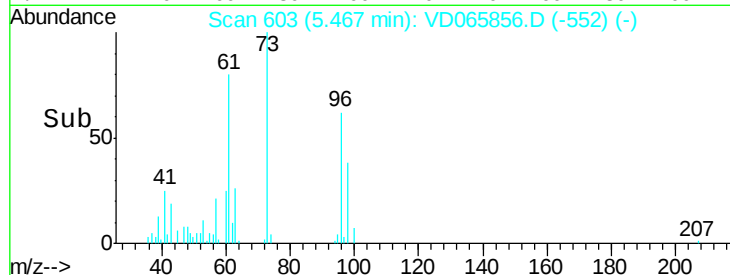
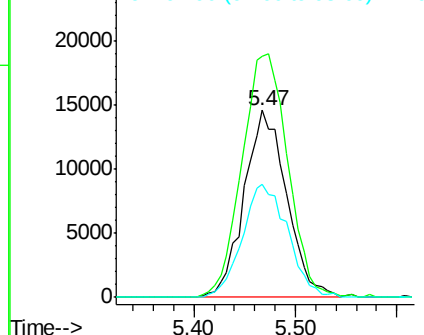
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6/24/2020 10:52:38 AM



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 23.158 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065856.D

Acq: 23 Jun 2020 13:25

Tgt Ion: 45 Resp: 128350

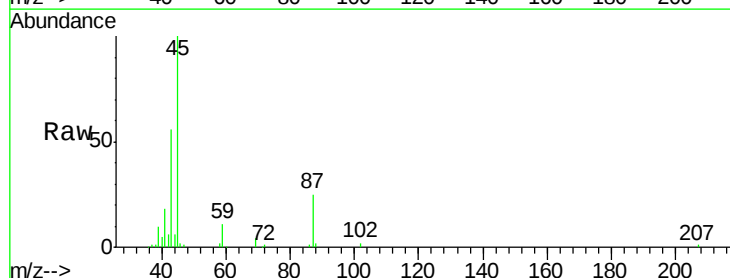
Ion Ratio Lower Upper

45 100

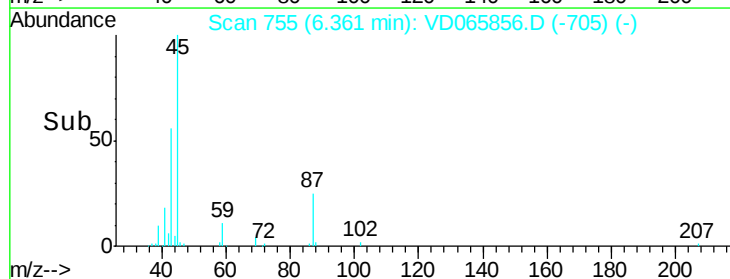
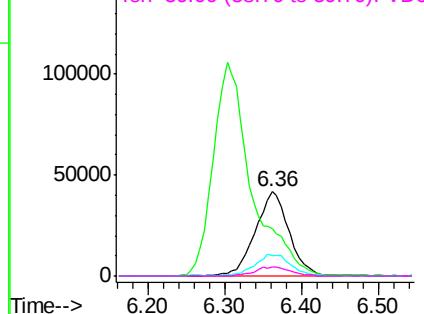
43 54.5 43.4 65.0

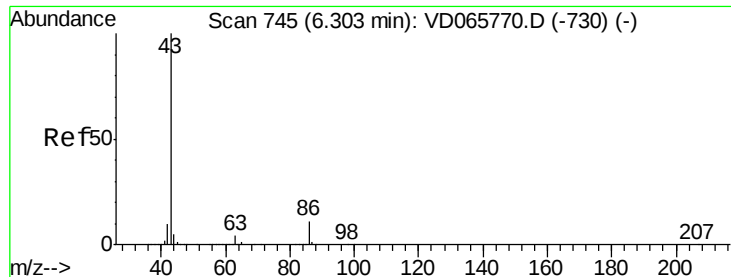
87 24.6 20.2 30.4

59 11.0 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 116.503 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD065856.D

Acq: 23 Jun 2020 13:25

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBS01

Tot Ion: 43 Resp: 364618

Ion Ratio Lower Upper

43 100

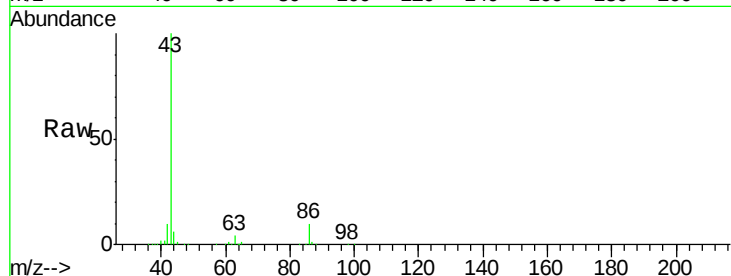
86 10.2 8.5 12.7

Manual Integrations

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MMDadoda

6/24/2020 10:52:38 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

120000

100000

80000

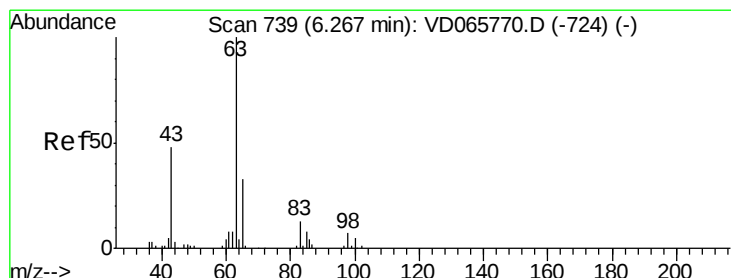
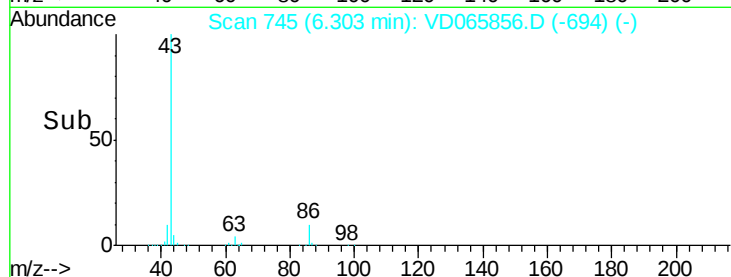
60000

40000

20000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 22.471 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065856.D

Acq: 23 Jun 2020 13:25

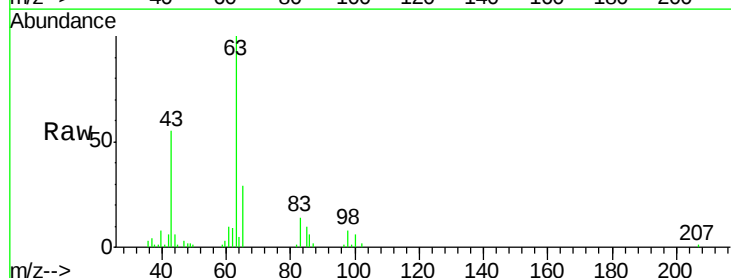
Tgt Ion: 63 Resp: 75882

Ion Ratio Lower Upper

63 100

98 8.3 3.5 10.5

100 6.0 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

30000

25000

20000

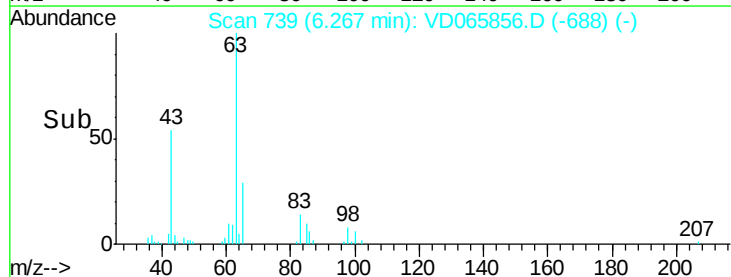
15000

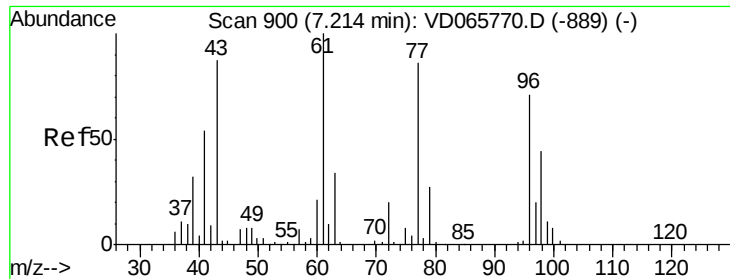
10000

5000

0

Time--> 6.20 6.30 6.40





#25

2-Butanone

Concen: 116.278 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065856.D

Acq: 23 Jun 2020 13:25

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBS01

Tot Ion: 43 Resp: 54682

Ion Ratio Lower Upper

43 100

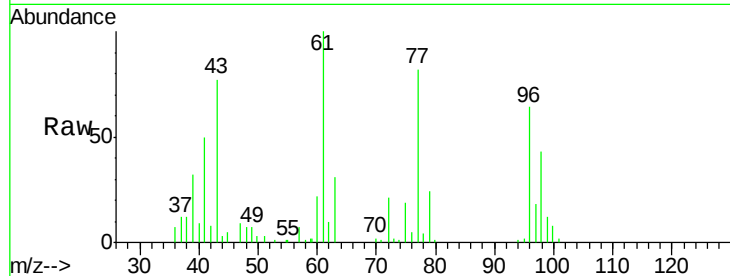
72 27.1 18.5 27.7

Manual Integrations

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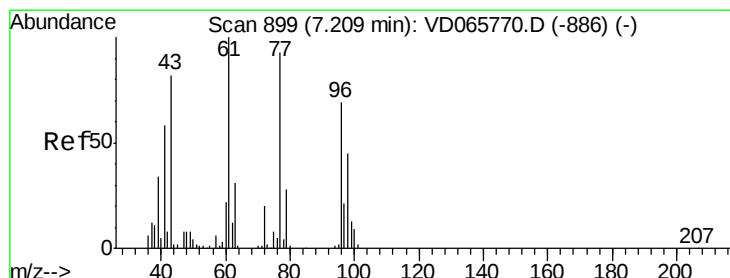
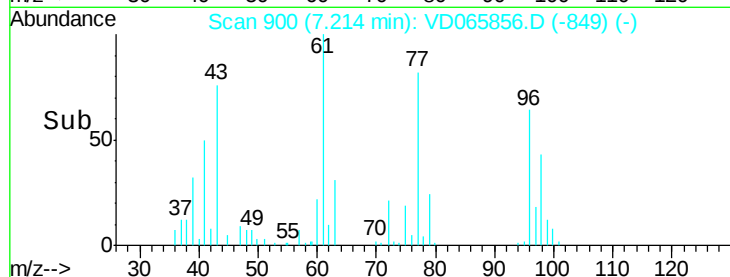
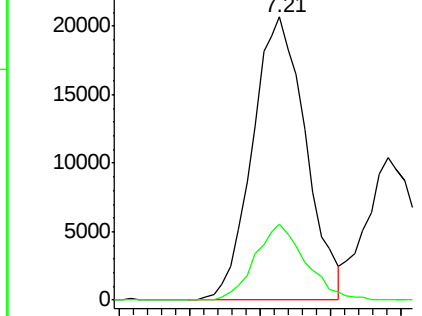
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.989 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD065856.D

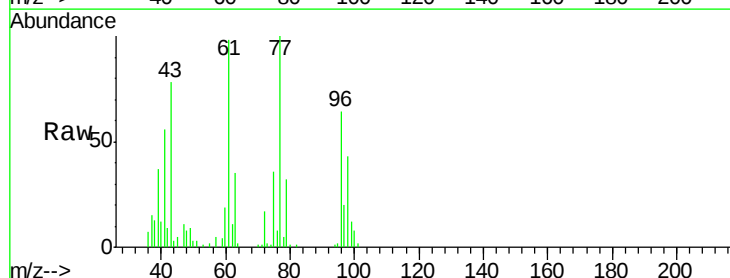
Acq: 23 Jun 2020 13:25

Tgt Ion: 77 Resp: 68834

Ion Ratio Lower Upper

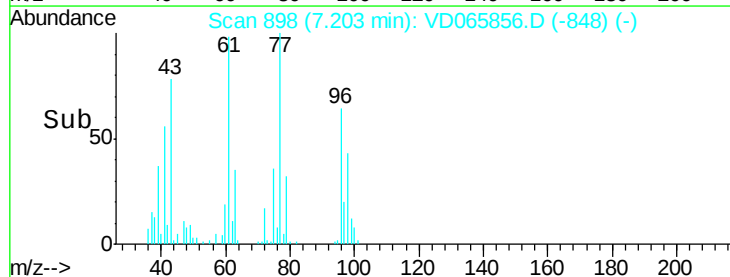
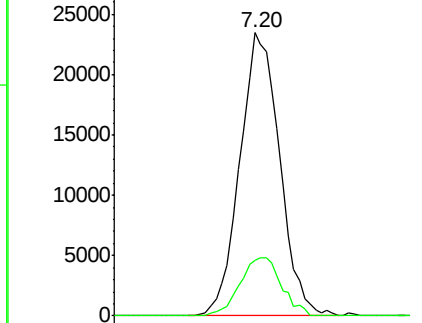
77 100

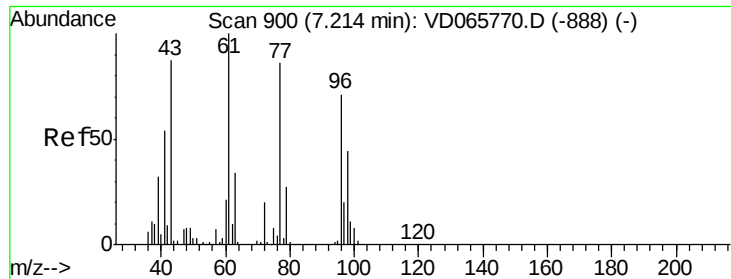
97 21.5 10.9 32.7



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

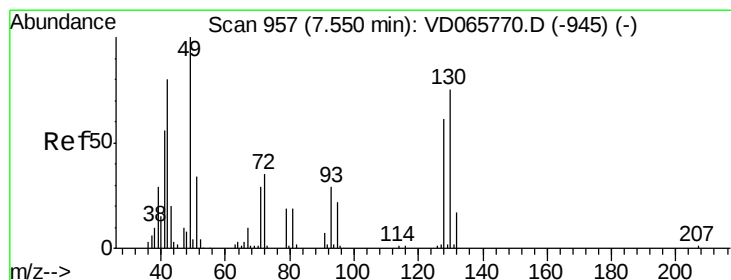
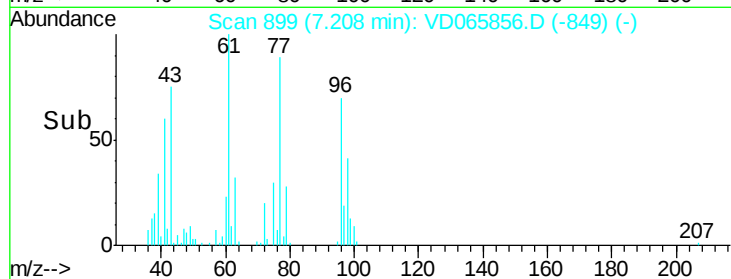
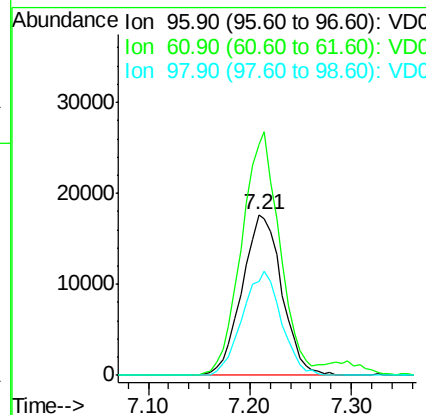
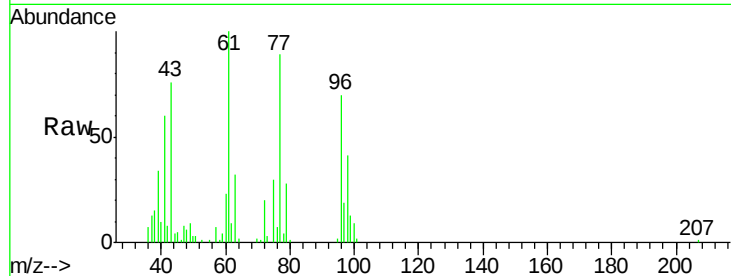
cis-1,2-Dichloroethene
 Concen: 22.932 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD065856.D
 Acq: 23 Jun 2020 13:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.6	0.0	291.2
98	63.2	0.0	128.8

Manual Integrations
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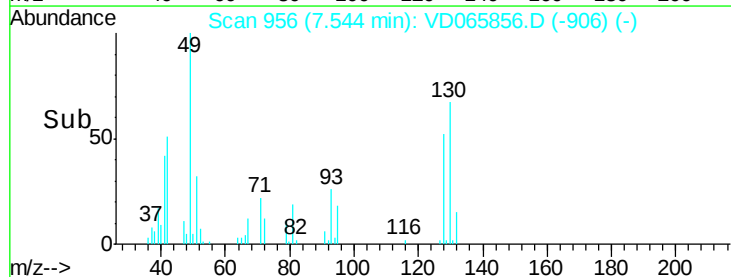
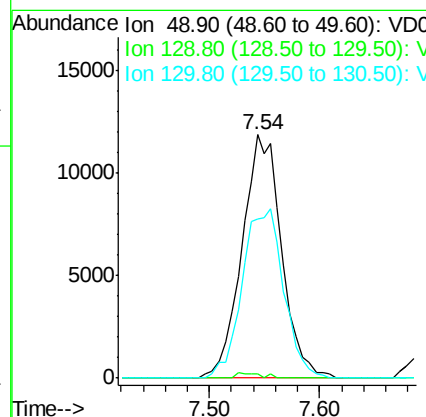
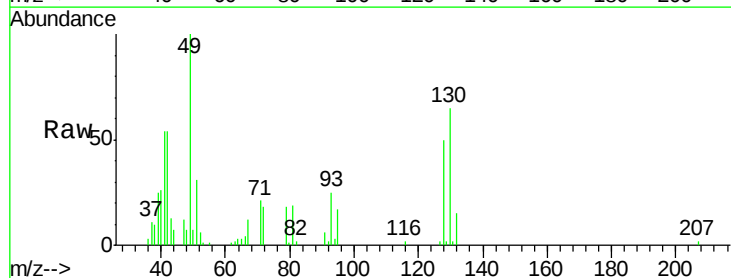
MMDadoda
 6/24/2020 10:52:38 AM

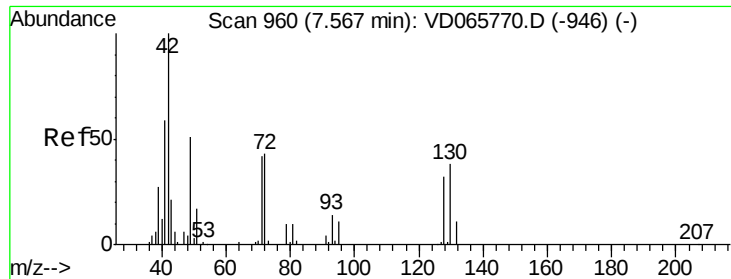


#28

Bromochloromethane
 Concen: 22.818 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD065856.D
 Acq: 23 Jun 2020 13:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	72.9	59.5	89.3





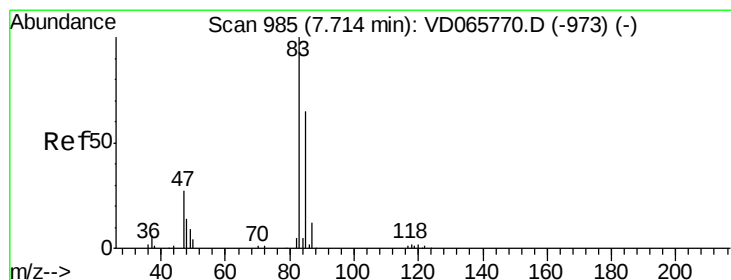
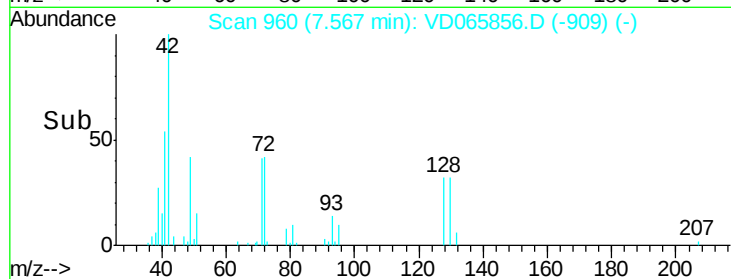
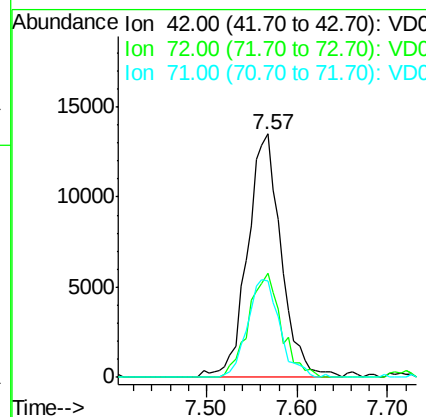
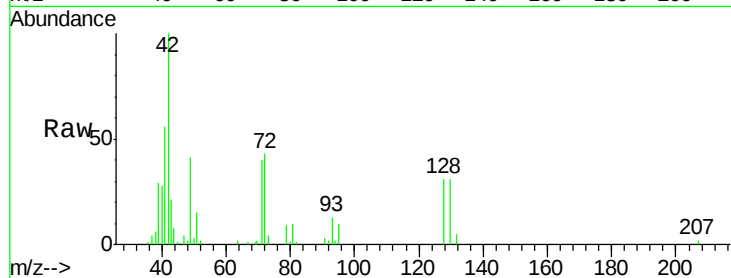
#29
Tetrahydrofuran
Concen: 116.879 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.00 min
Lab File: VD065856.D
Acq: 23 Jun 2020 13:25

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	34.9	52.3
71	38.4	31.2	46.8

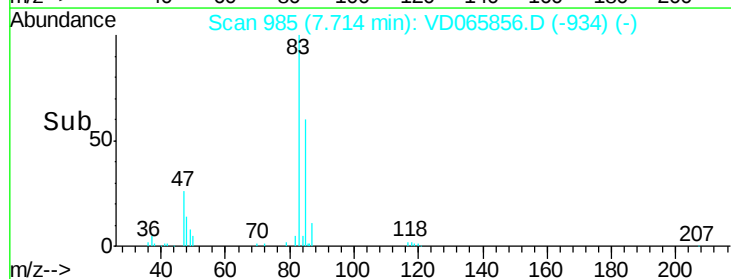
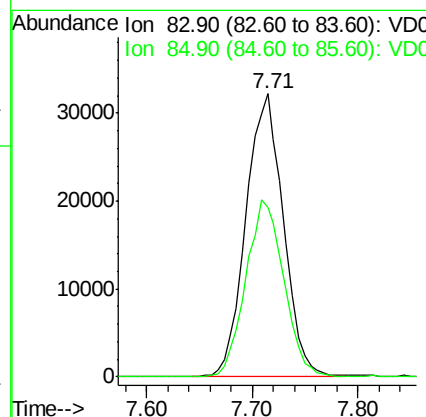
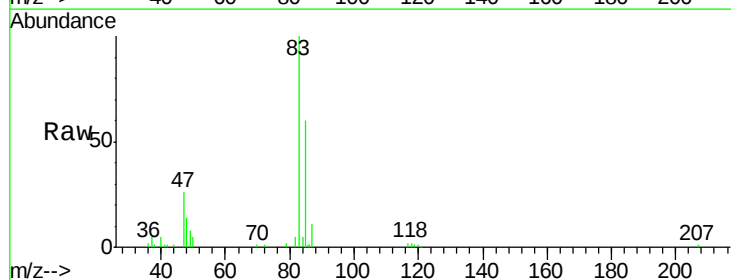
Manual Integrations
APPROVED

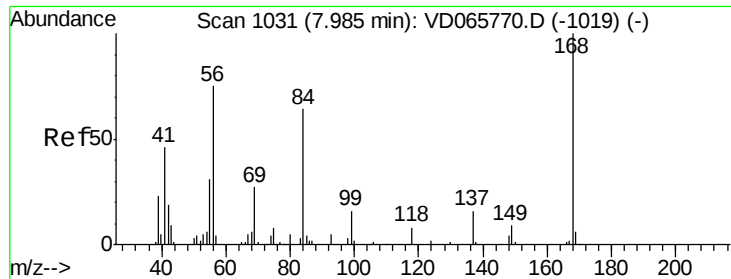
MMDadoda
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#30
Chloroform
Concen: 22.695 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065856.D
Acq: 23 Jun 2020 13:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.0	51.9	77.9





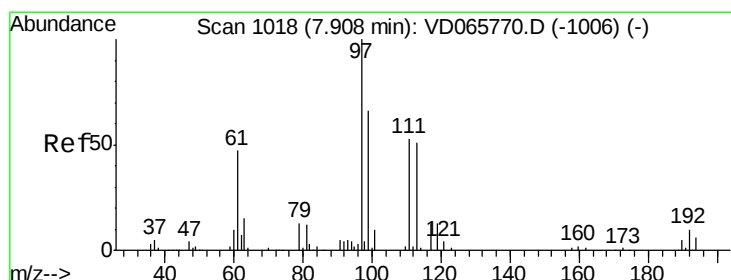
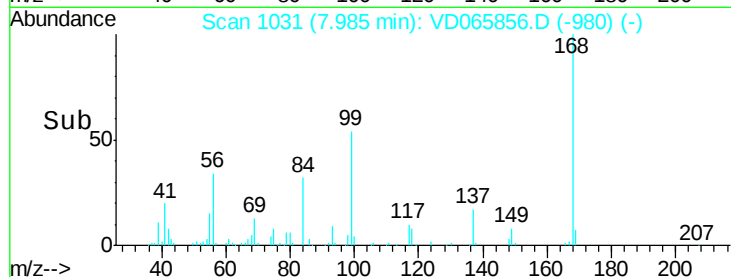
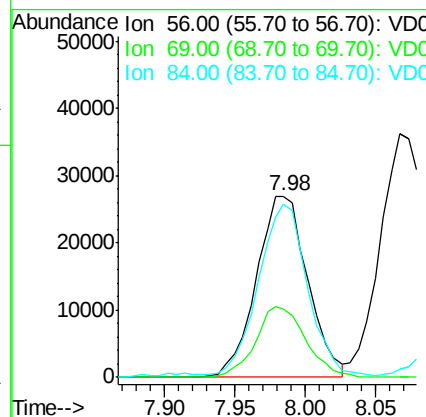
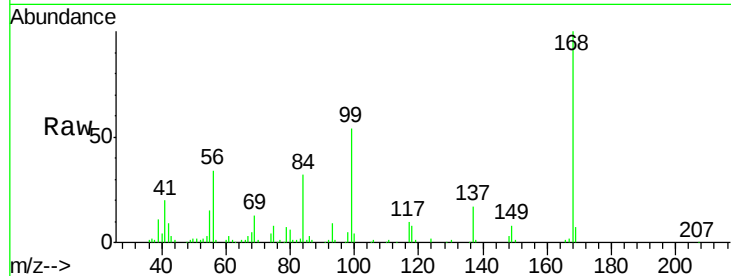
#31
Cyclohexane
Concen: 21.179 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065856.D
Acq: 23 Jun 2020 13:25

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.5	28.5	42.7
84	93.9	68.4	102.6

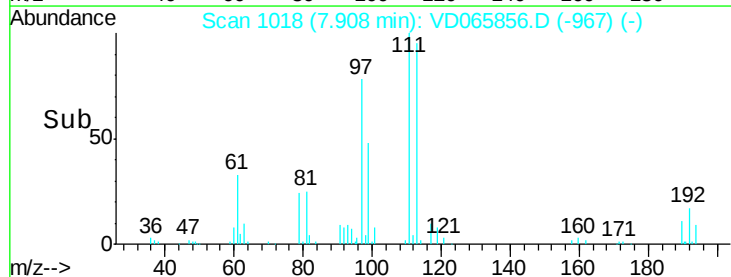
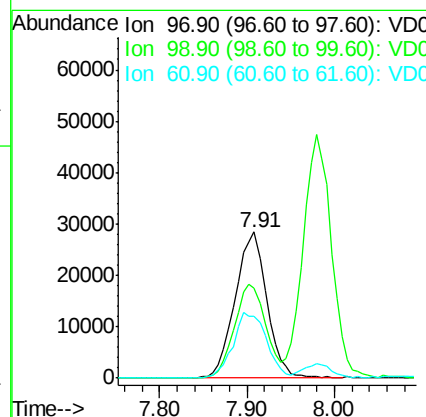
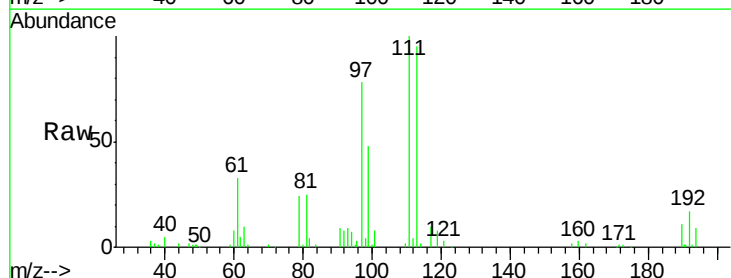
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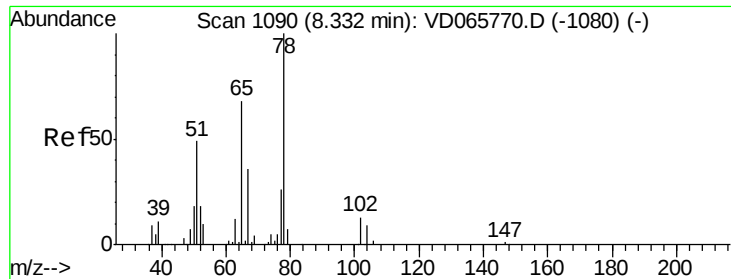
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#32
1,1,1-Trichloroethane
Concen: 21.740 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065856.D
Acq: 23 Jun 2020 13:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	49.2	73.8
61	46.9	36.0	54.0





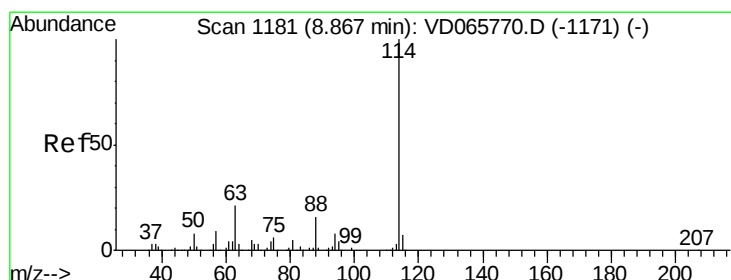
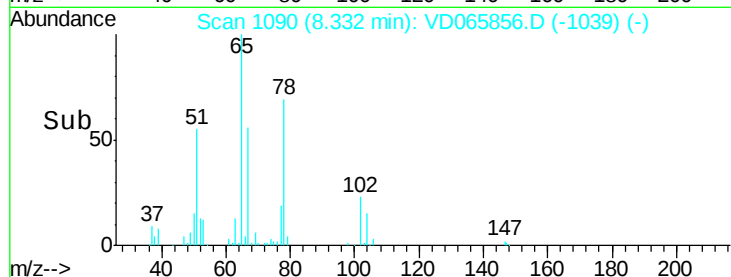
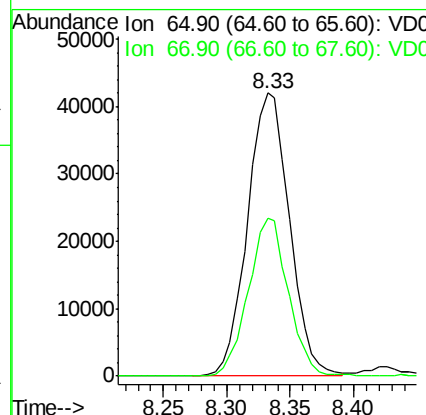
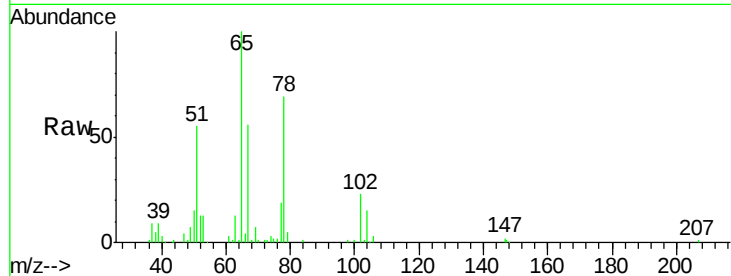
#33
 1,2-Dichloroethane-d4
 Concen: 53.769 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065856.D
 Acq: 23 Jun 2020 13:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	103.6

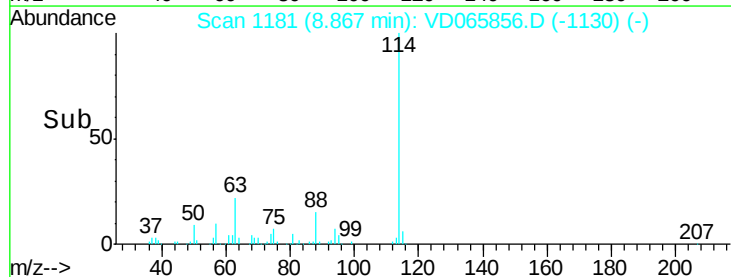
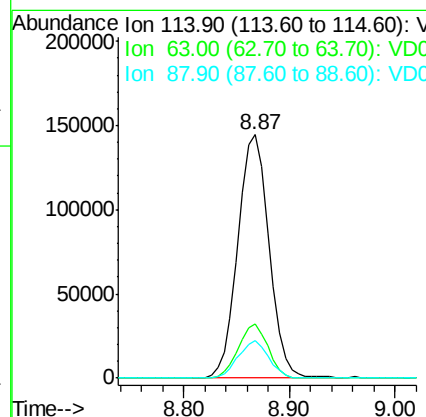
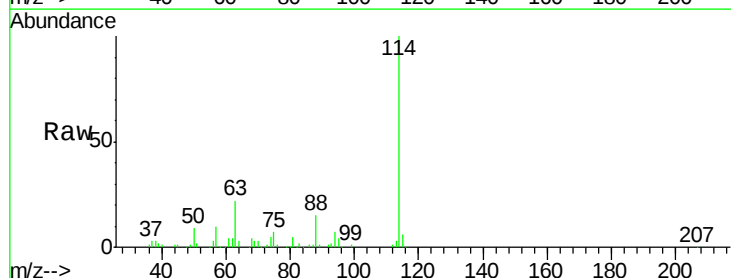
Manual Integrations
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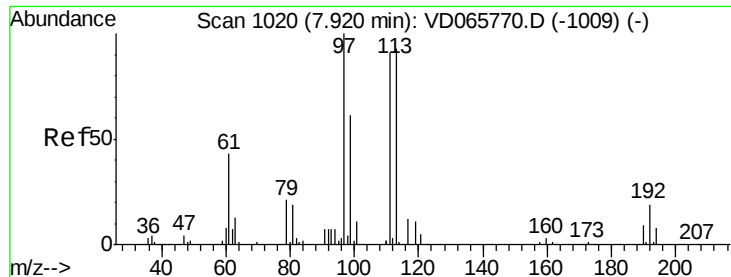
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065856.D
 Acq: 23 Jun 2020 13:25

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	41.8
88	15.2	0.0	32.0





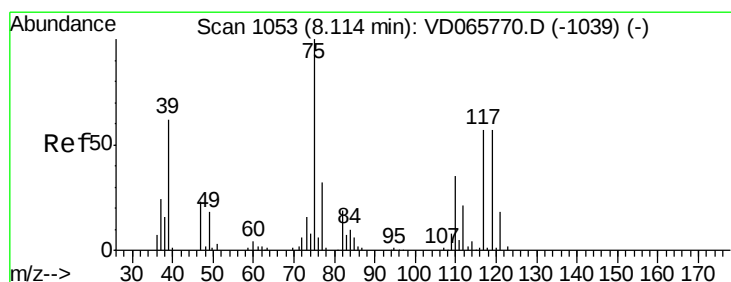
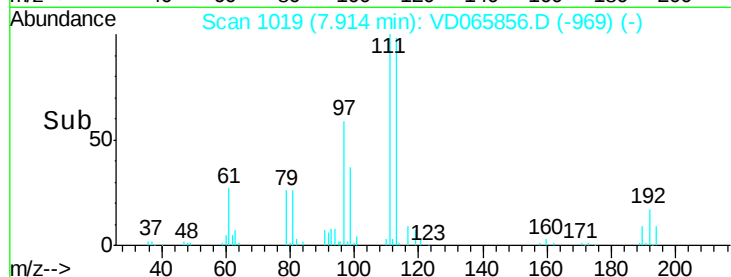
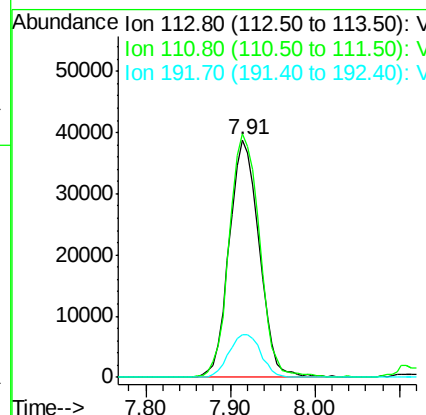
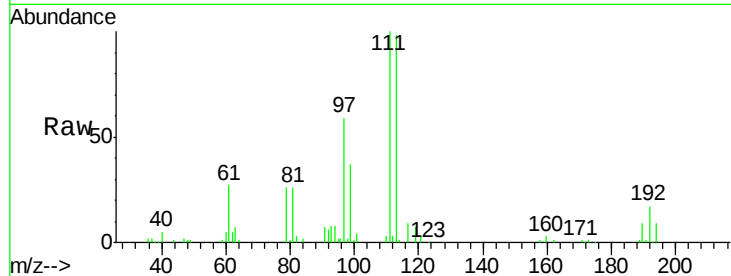
#35
 Dibromofluoromethane
 Concen: 50.806 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065856.D
 Acq: 23 Jun 2020 13:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	95056		
111	103.5	83.4	125.0	
192	19.0	15.7	23.5	

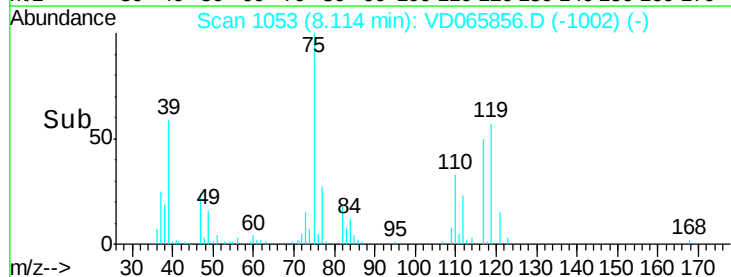
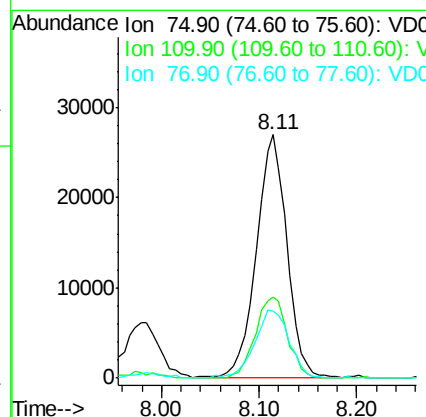
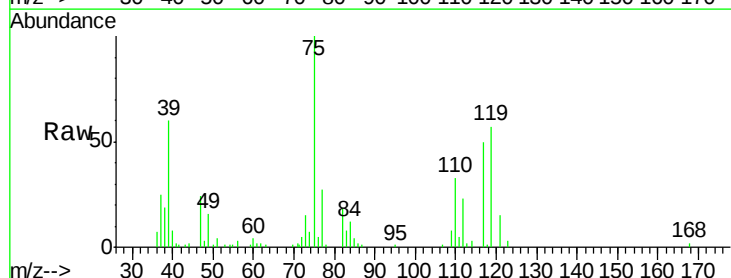
Manual Integrations
 APPROVED

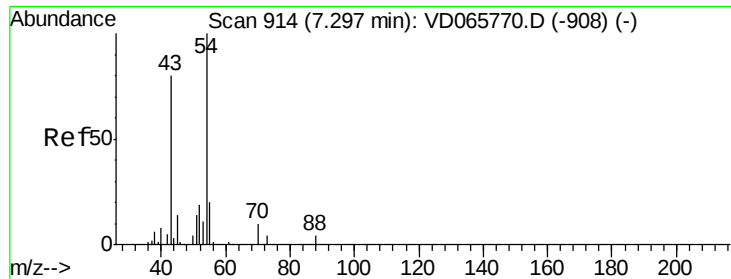
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#36
 1,1-Dichloropropene
 Concen: 21.036 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065856.D
 Acq: 23 Jun 2020 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	59687		
110	34.8	17.6	52.8	
77	31.3	25.1	37.7	





#37

Ethyl Acetate

Concen: 24.338 ug/l

RT: 7.29 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD065856.D

Acq: 23 Jun 2020 13:25

Instrument :

MSVOA_D

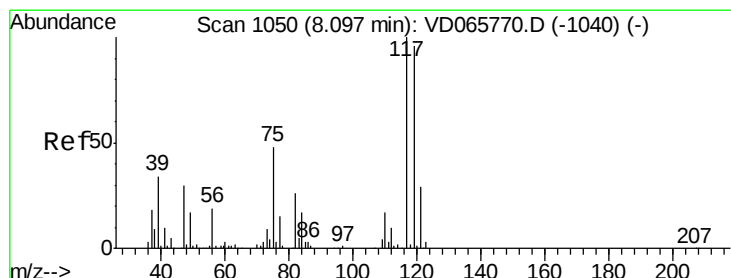
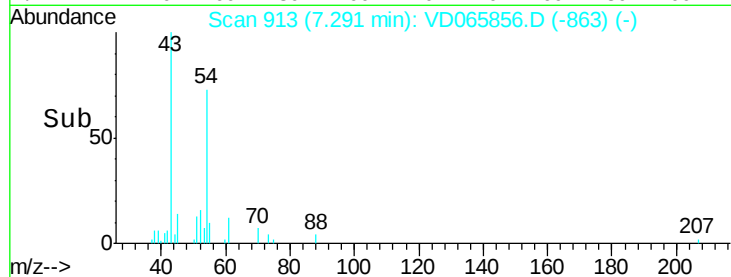
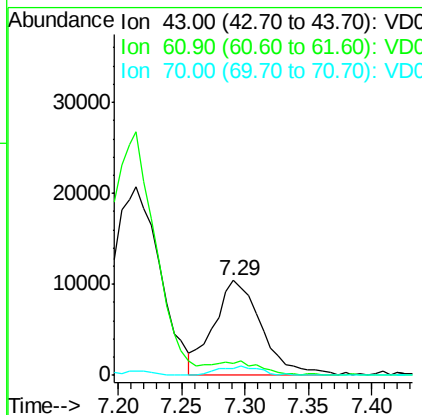
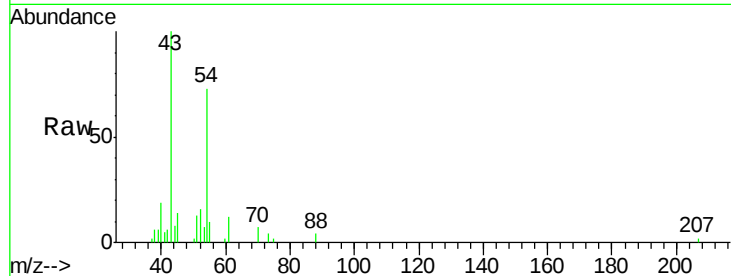
ClientSampleId :

VD0623SBS01

Tot Ion:	43	Resp:	27201
Ion Ratio	Lower	Upper	
43	100		
61	0.0	10.6	15.8#
70	8.3	7.5	11.3

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#38

Carbon Tetrachloride

Concen: 21.747 ug/l

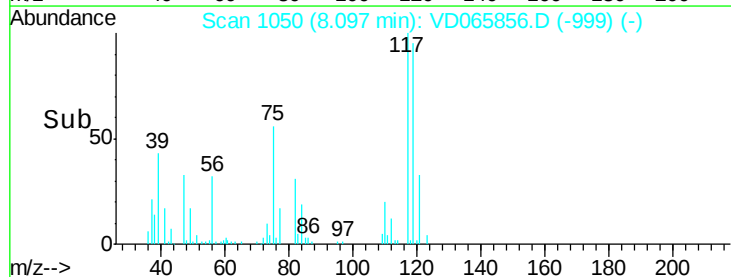
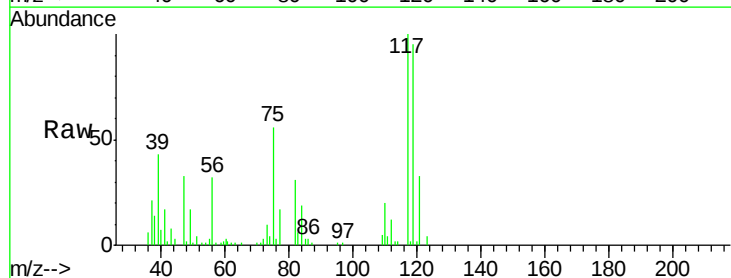
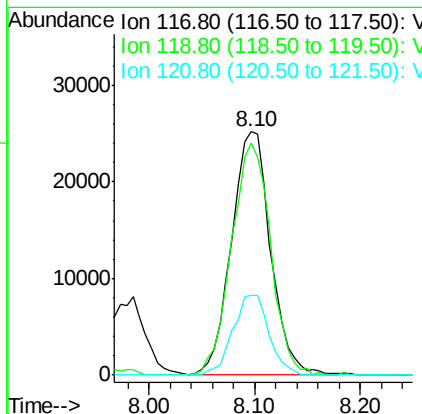
RT: 8.10 min Scan# 1050

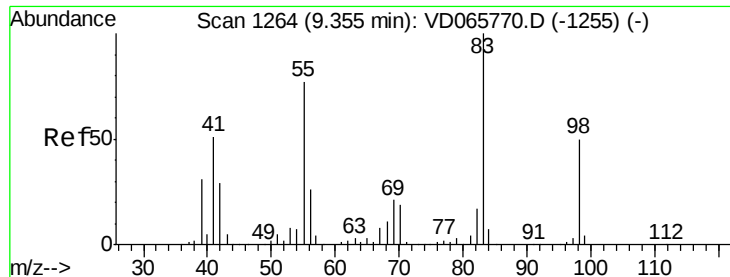
Delta R.T. -0.00 min

Lab File: VD065856.D

Acq: 23 Jun 2020 13:25

Tgt Ion:	117	Resp:	64940
Ion Ratio	Lower	Upper	
117	100		
119	95.5	76.8	115.2
121	32.5	23.4	35.2





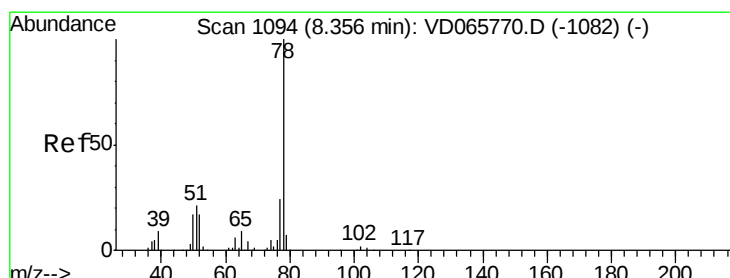
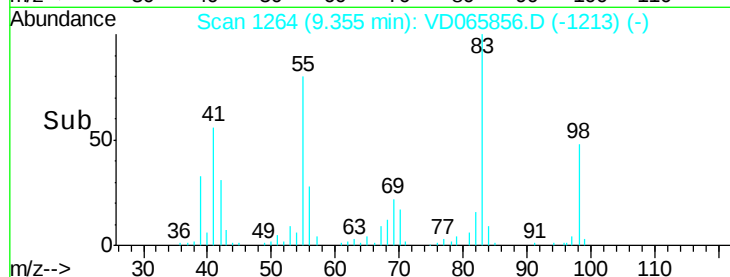
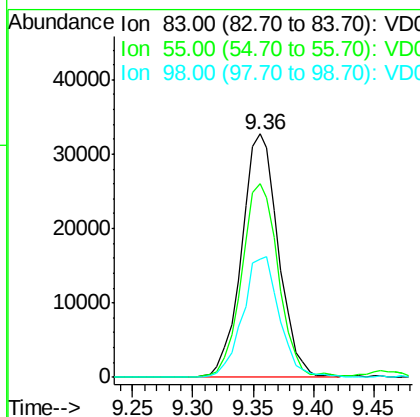
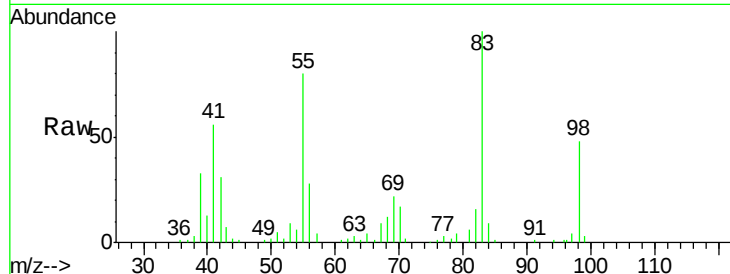
#39
Methvlcvclohexane
Concen: 20.586 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065856.D
Acq: 23 Jun 2020 13:25

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.7	61.6	92.4
98	48.4	40.2	60.2

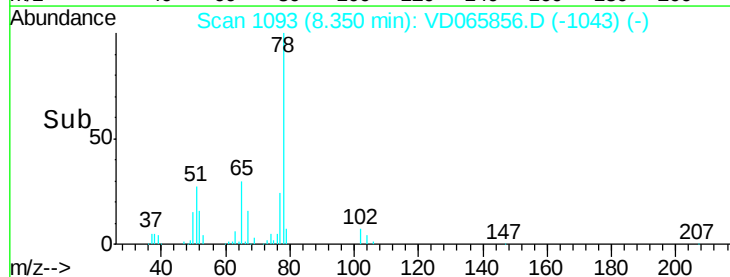
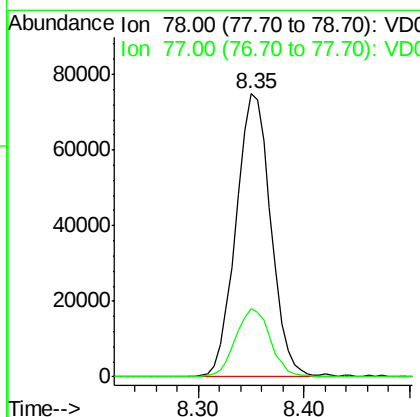
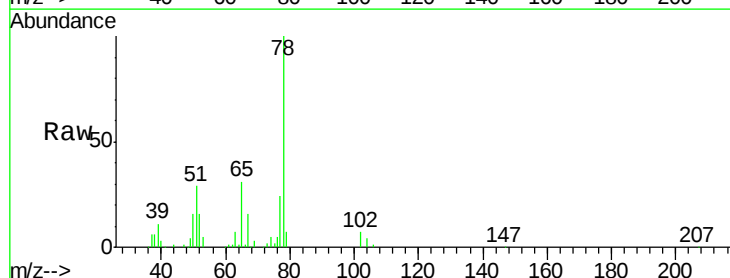
Manual Integrations
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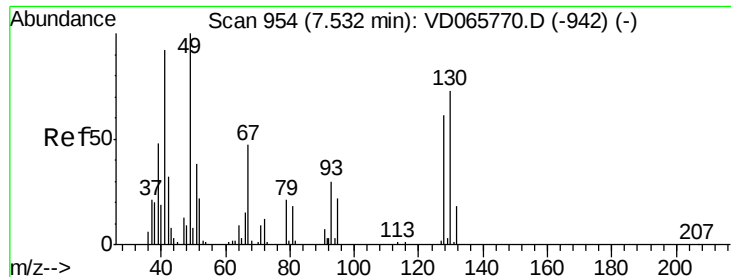
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#40
Benzene
Concen: 22.136 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065856.D
Acq: 23 Jun 2020 13:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8





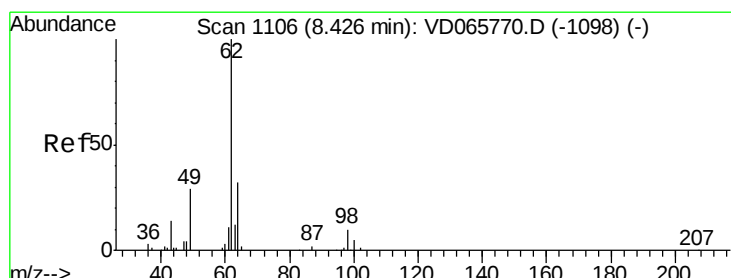
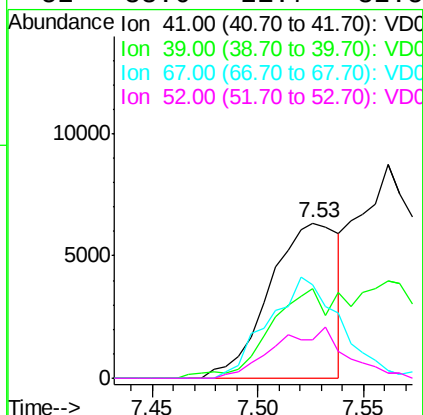
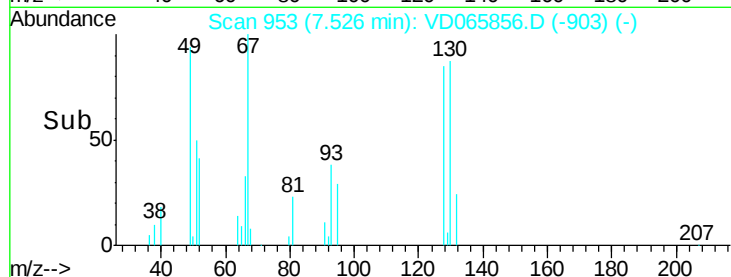
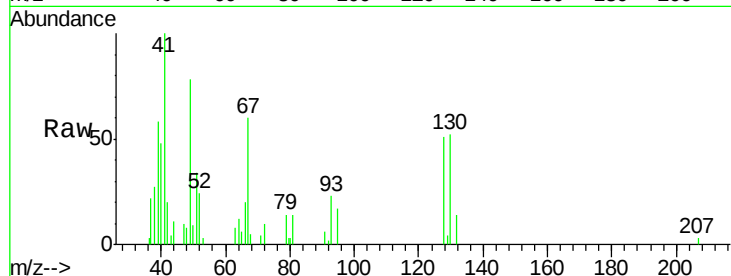
#41
Methacrylonitrile
Concen: 21.621 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD065856.D
Acq: 23 Jun 2020 13:25

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	46.3	38.3	57.5
67	68.4	49.8	74.6
52	33.6	21.7	32.5

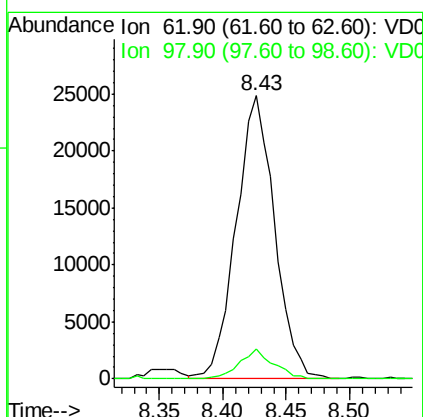
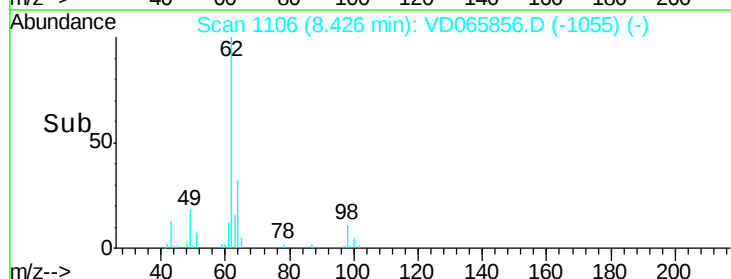
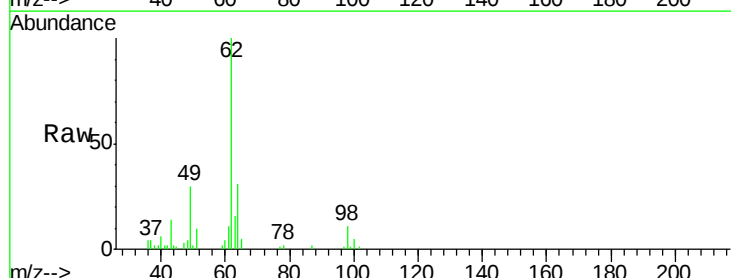
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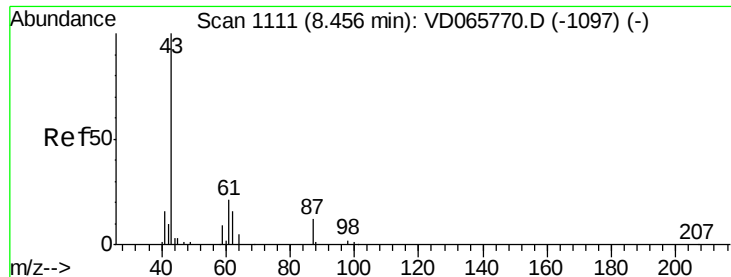
MMDadoda
6/24/2020 10:52:38 AM



#42
1,2-Dichloroethane
Concen: 22.370 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065856.D
Acq: 23 Jun 2020 13:25

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.6





#43

Isopropyl Acetate

Concen: 21.906 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD065856.D

Acq: 23 Jun 2020 13:25

Instrument :

MSVOA_D

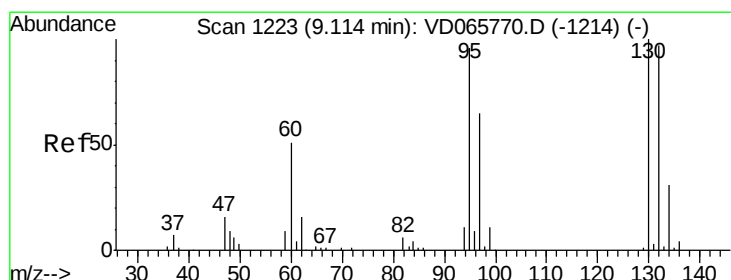
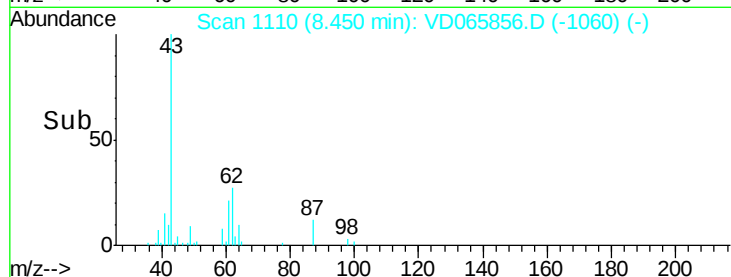
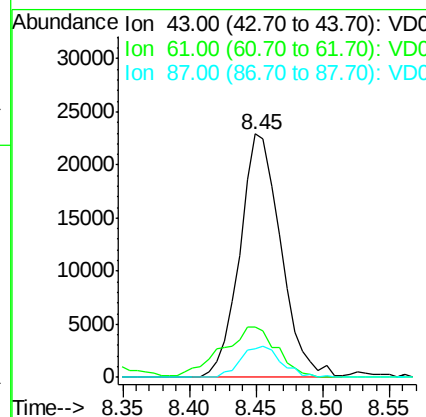
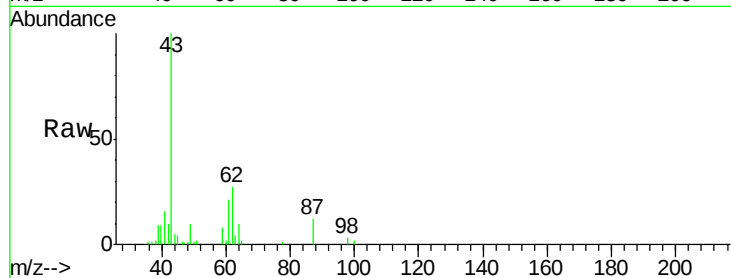
ClientSampleId :

VD0623SBS01

Tot Ion:	43	Resp:	48683
Ion	Ratio	Lower	Upper
43	100		
61	28.3	24.2	36.4
87	12.6	9.5	14.3

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6/24/2020 10:52:38 AM



#44

Trichloroethene

Concen: 21.108 ug/l

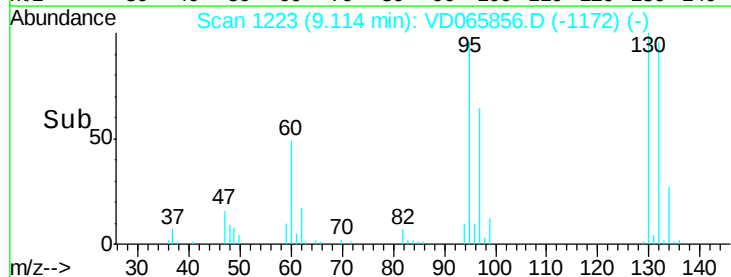
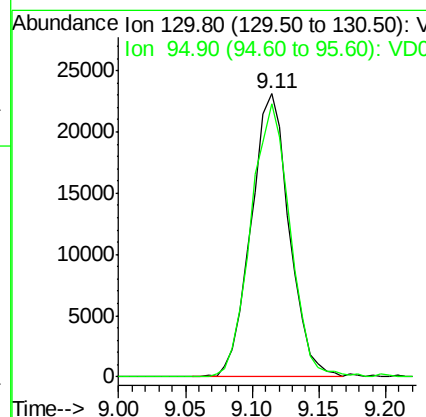
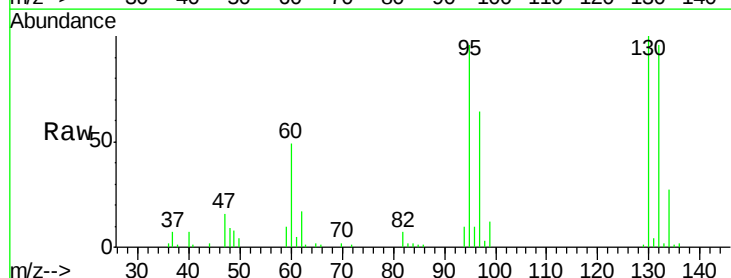
RT: 9.11 min Scan# 1223

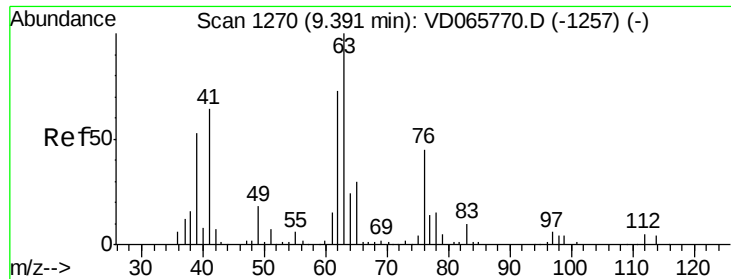
Delta R.T. -0.00 min

Lab File: VD065856.D

Acq: 23 Jun 2020 13:25

Tgt Ion:	130	Resp:	45564
Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	192.8





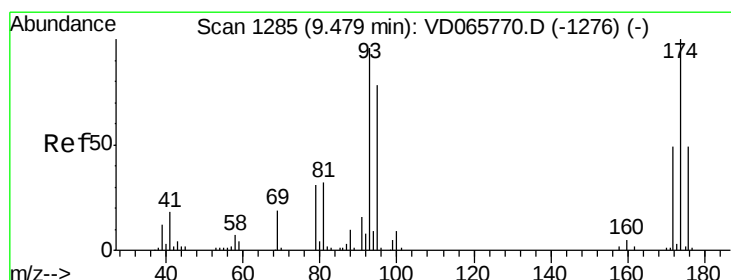
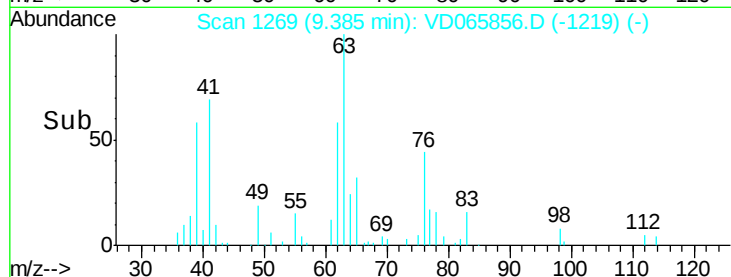
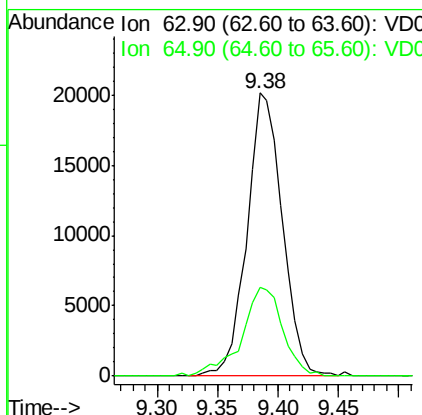
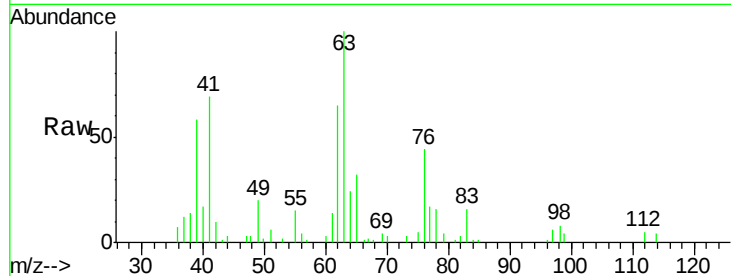
#45
 1,2-Dichloropropane
 Concen: 21.106 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD065856.D
 Acq: 23 Jun 2020 13:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBSD01

Tot Ion: 63 Resp: 41137
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.2 36.2

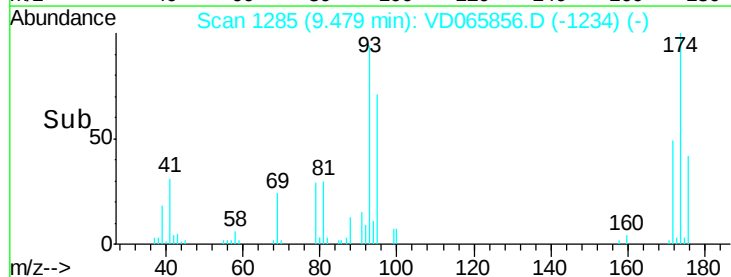
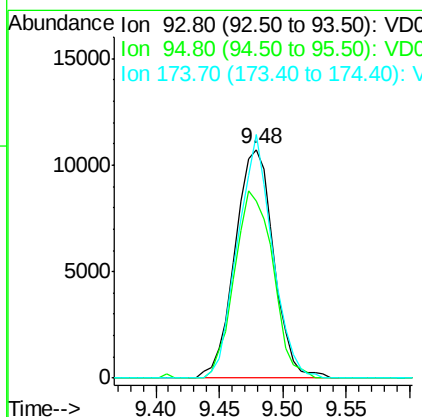
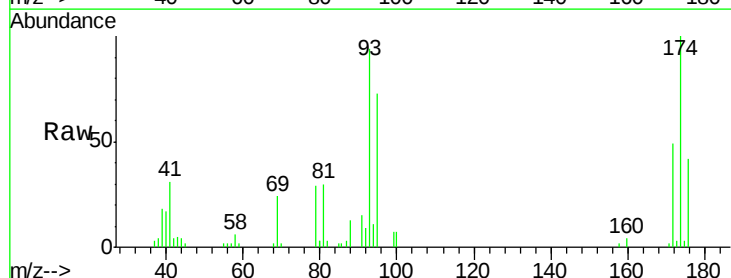
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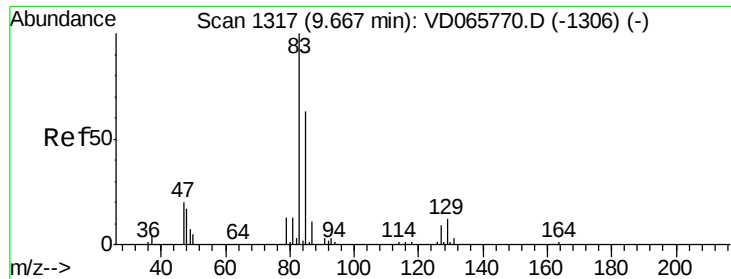
MMDadoda
 6/24/2020 10:52:38 AM



#46
 Dibromomethane
 Concen: 21.570 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065856.D
 Acq: 23 Jun 2020 13:25

Tgt Ion: 93 Resp: 22801
 Ion Ratio Lower Upper
 93 100
 95 81.6 65.8 98.6
 174 95.3 80.9 121.3





#47

Bromodichloromethane

Concen: 21.379 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065856.D

Acq: 23 Jun 2020 13:25

Instrument :

MSVOA_D

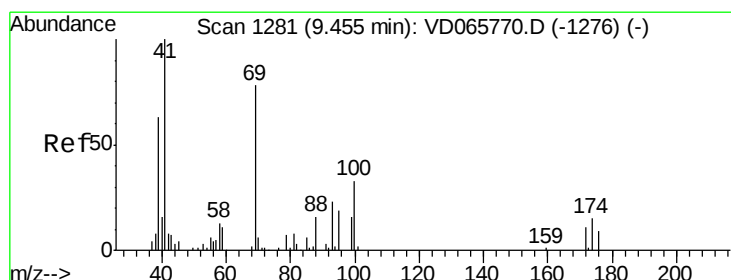
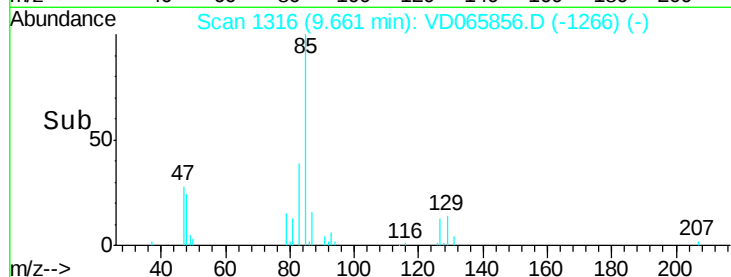
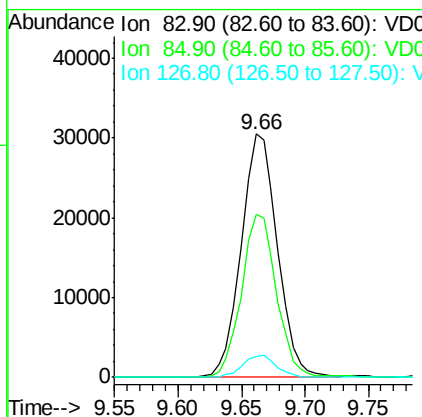
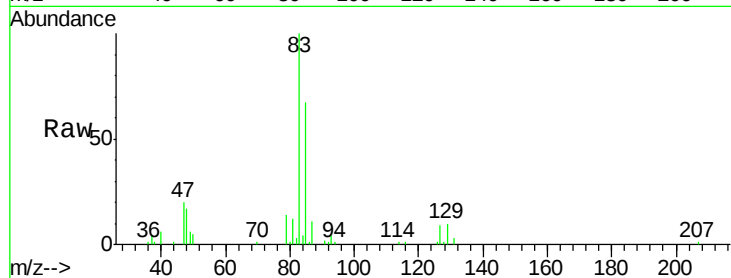
ClientSampleId :

VD0623SBSD01

Tot Ion:	83	Resp:	60558
Ion	Ratio	Lower	Upper
83	100		
85	67.1	50.7	76.1
127	8.6	7.1	10.7

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#48

Methyl methacrylate

Concen: 21.236 ug/l

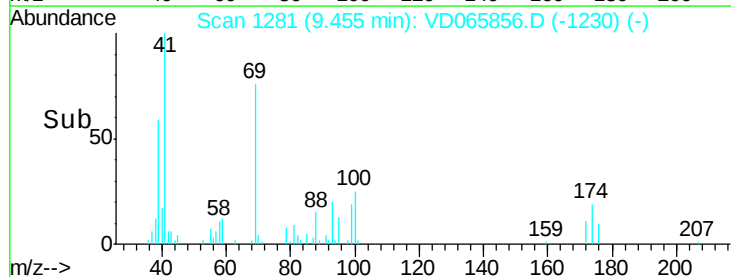
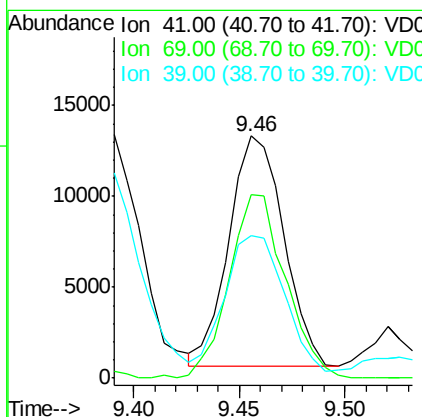
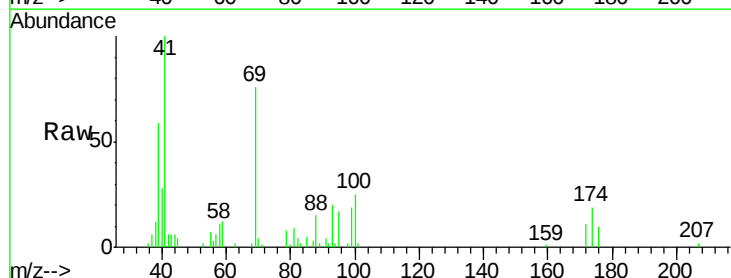
RT: 9.46 min Scan# 1281

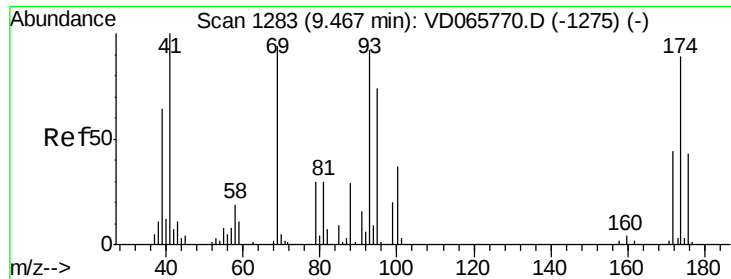
Delta R.T. -0.00 min

Lab File: VD065856.D

Acq: 23 Jun 2020 13:25

Tgt Ion:	41	Resp:	22844
Ion	Ratio	Lower	Upper
41	100		
69	82.1	60.9	91.3
39	62.7	48.1	72.1





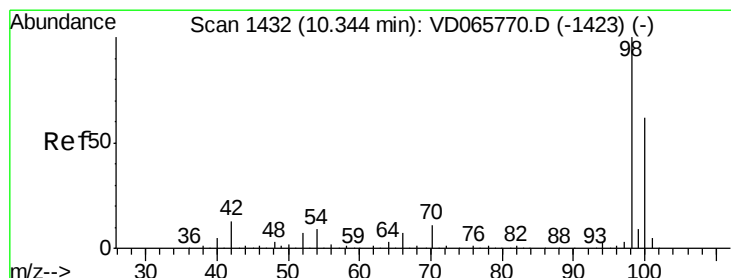
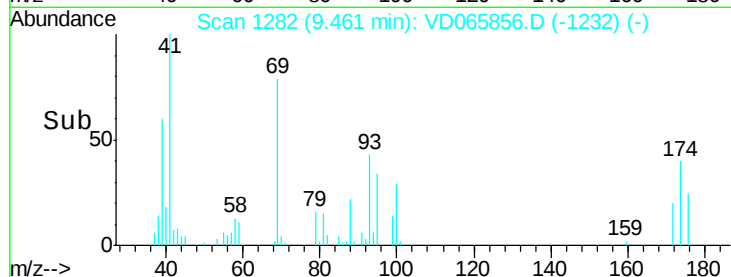
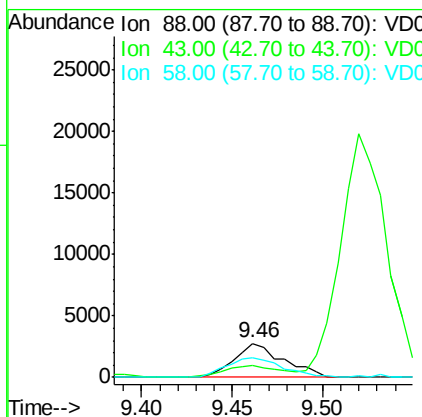
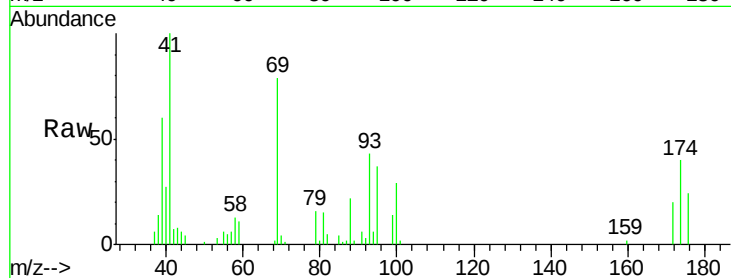
#49
1,4-Dioxane
Concen: 457.910 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065856.D
Acq: 23 Jun 2020 13:25

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.3	32.2	48.4
58	66.3	54.9	82.3

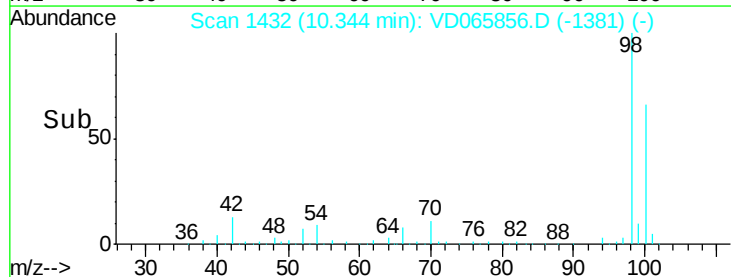
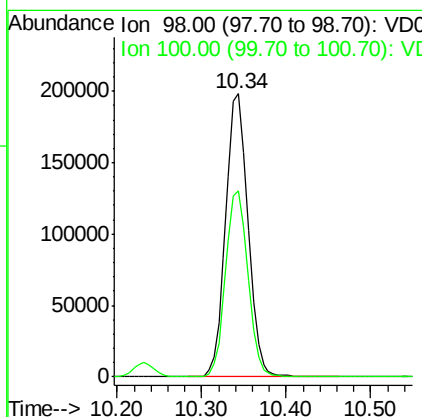
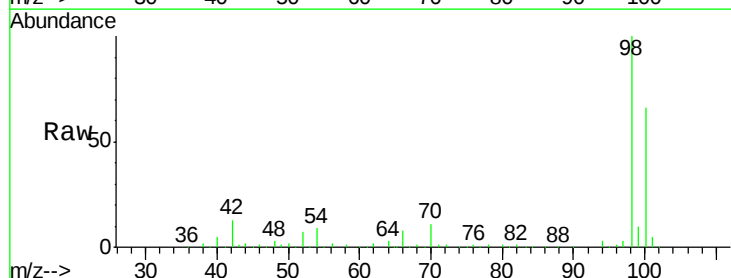
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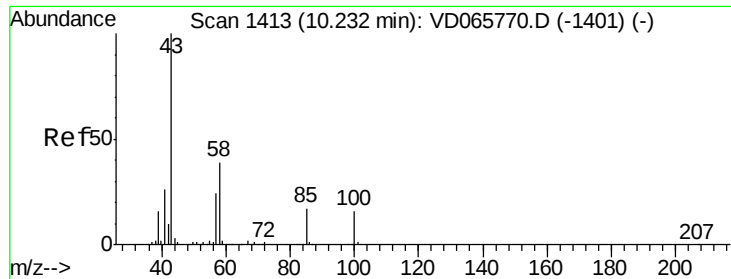
MMDadoda
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#50
Toluene-d8
Concen: 52.007 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065856.D
Acq: 23 Jun 2020 13:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 112.155 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065856.D

Acq: 23 Jun 2020 13:25

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBS01

Tot Ion: 43 Resp: 122136

Ion Ratio Lower Upper

43 100

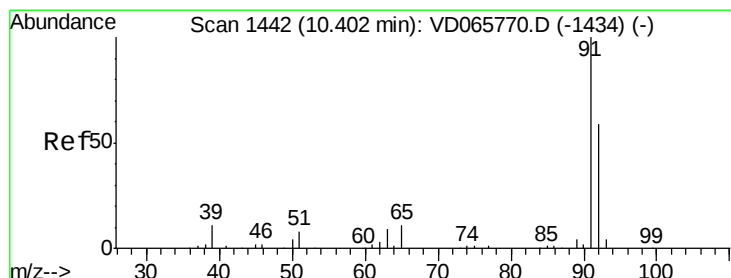
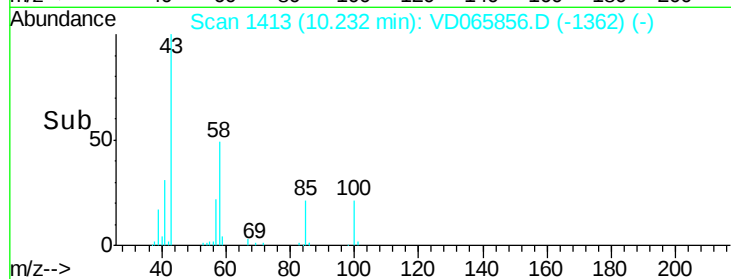
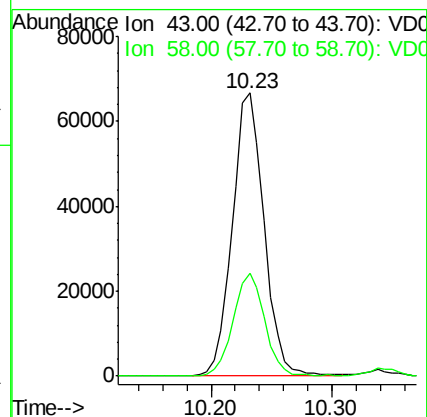
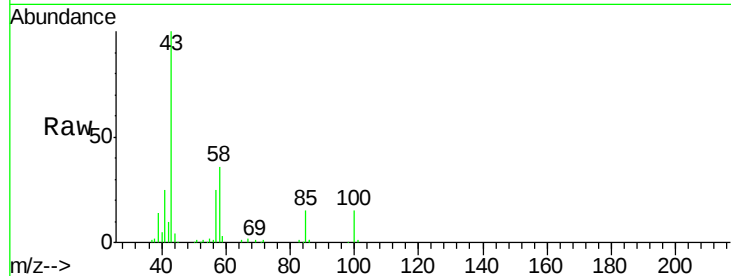
58 36.2 30.7 46.1

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#52

Toluene

Concen: 21.751 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD065856.D

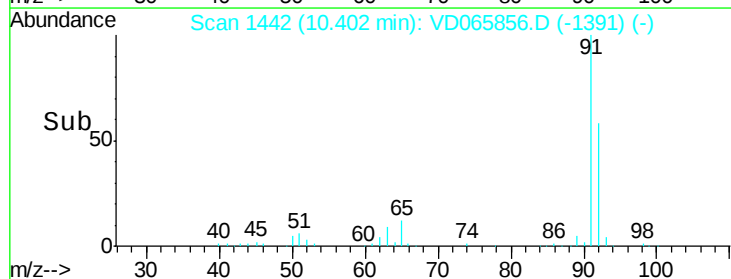
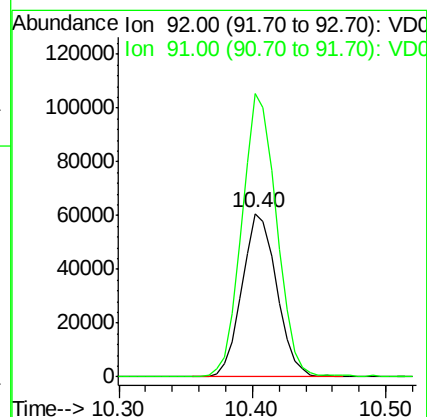
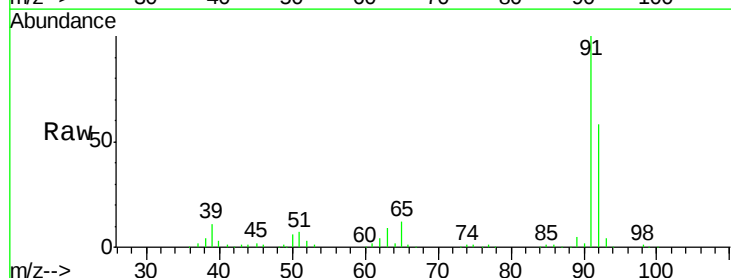
Acq: 23 Jun 2020 13:25

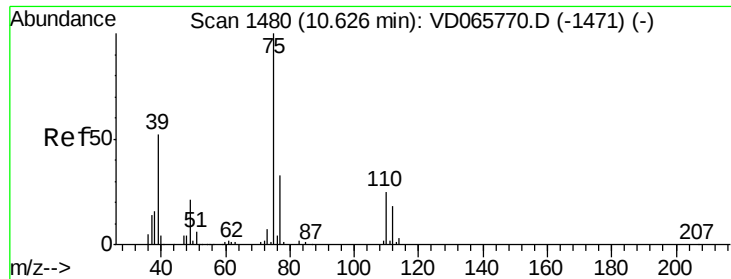
Tgt Ion: 92 Resp: 109629

Ion Ratio Lower Upper

92 100

91 173.0 137.8 206.8





#53

t-1,3-Dichloropropene

Concen: 22.424 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065856.D

Acq: 23 Jun 2020 13:25

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBS01

Tot Ion: 75 Resp: 57518

Ion Ratio Lower Upper

75 100

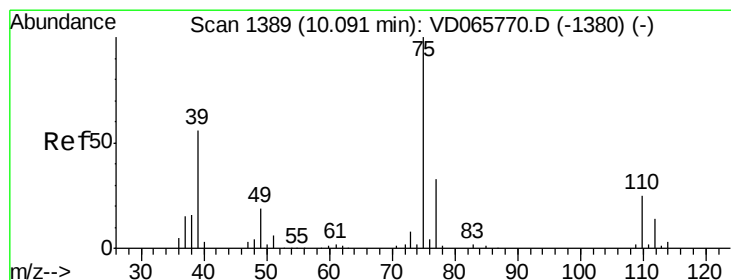
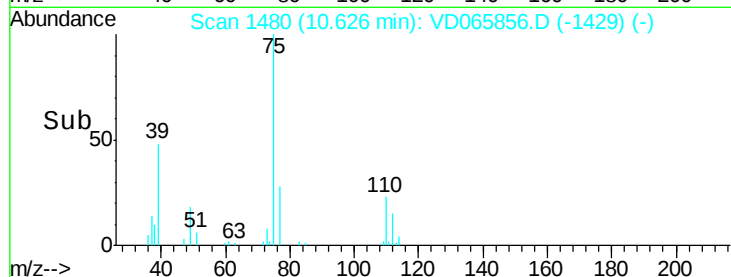
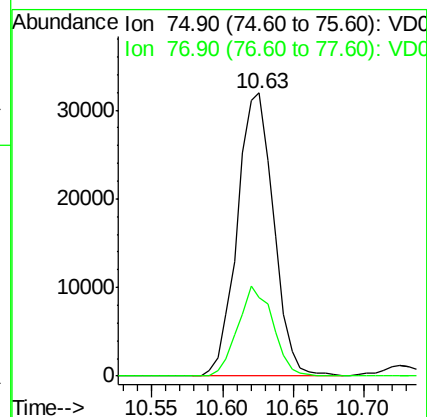
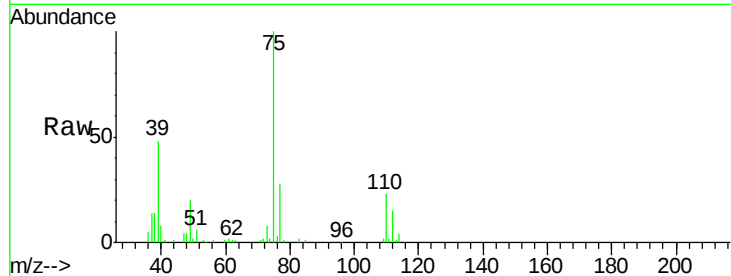
77 27.8 26.4 39.6

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#54

cis-1,3-Dichloropropene

Concen: 21.964 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD065856.D

Acq: 23 Jun 2020 13:25

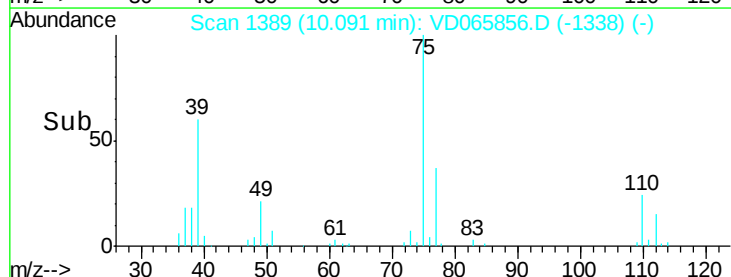
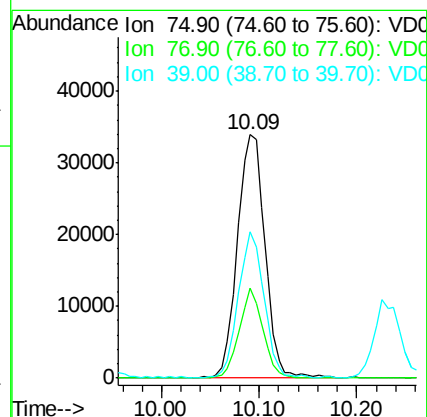
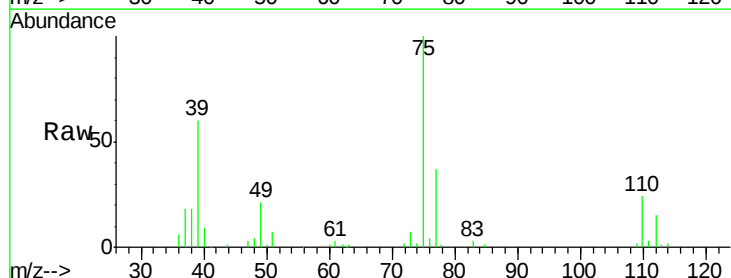
Tgt Ion: 75 Resp: 66538

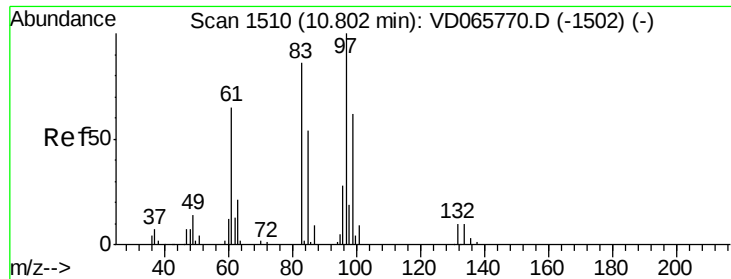
Ion Ratio Lower Upper

75 100

77 37.0 26.0 39.0

39 60.3 45.0 67.6





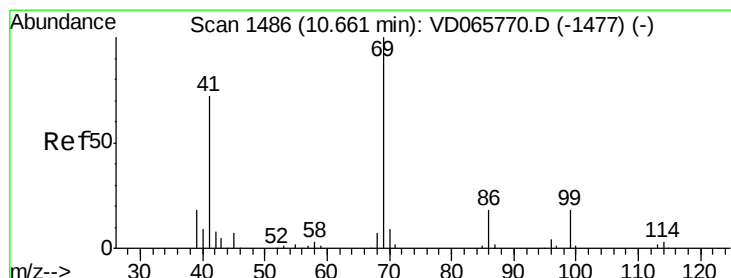
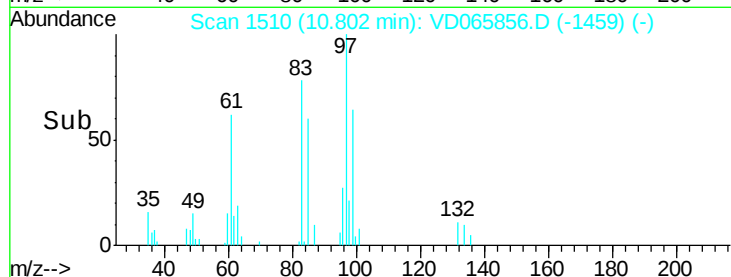
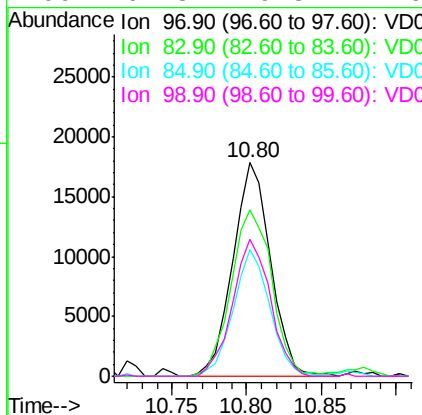
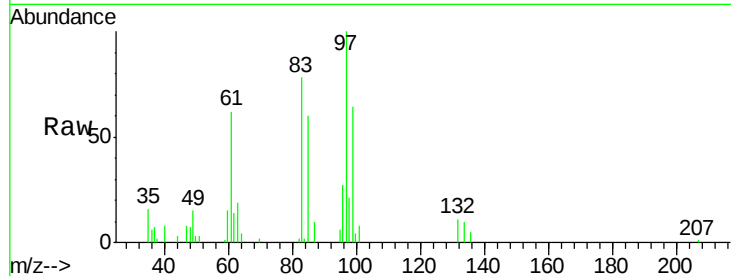
#55
 1,1,2-Trichloroethane
 Concen: 22.241 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD065856.D
 Acq: 23 Jun 2020 13:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	77.7	68.7	103.1
85	59.5	43.0	64.6
99	64.3	49.8	74.6

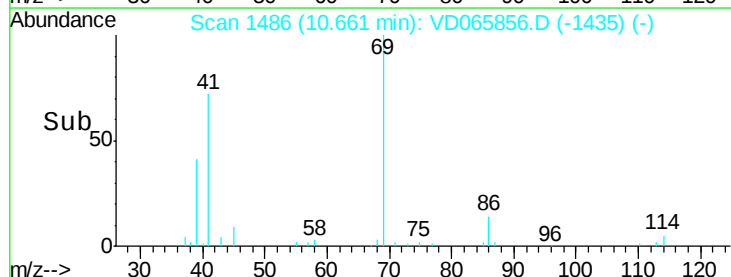
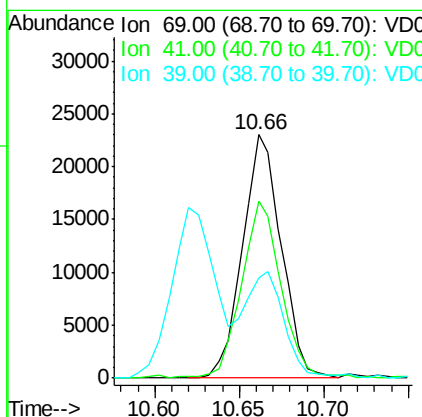
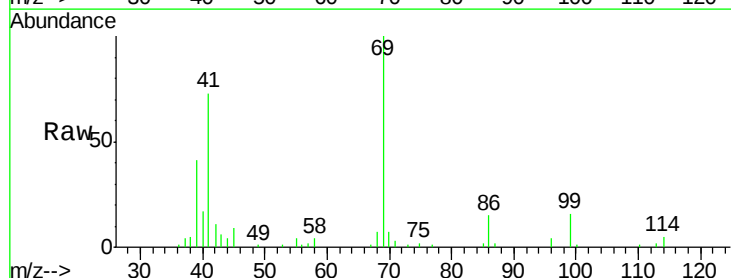
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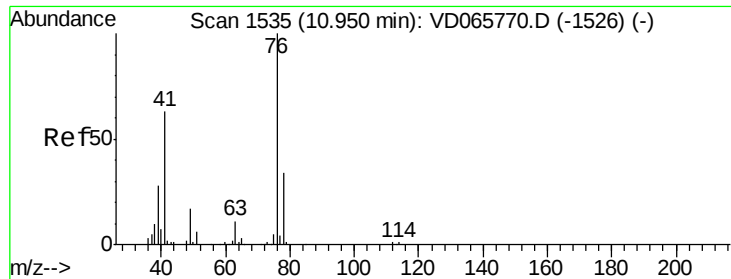
MMDadoda
 6/24/2020 10:52:38 AM



#56
 Ethyl methacrylate
 Concen: 22.176 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD065856.D
 Acq: 23 Jun 2020 13:25

Tgt Ion	Ratio	Lower	Upper
69	100		
41	74.7	56.9	85.3
39	46.2	36.0	54.0





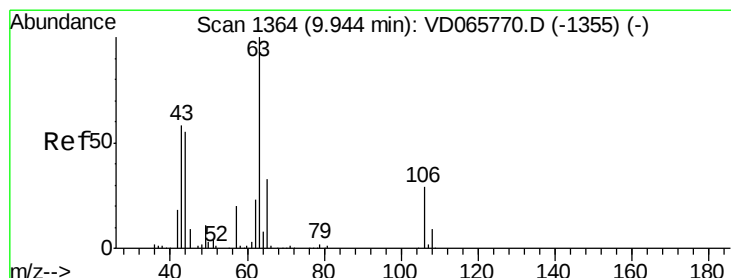
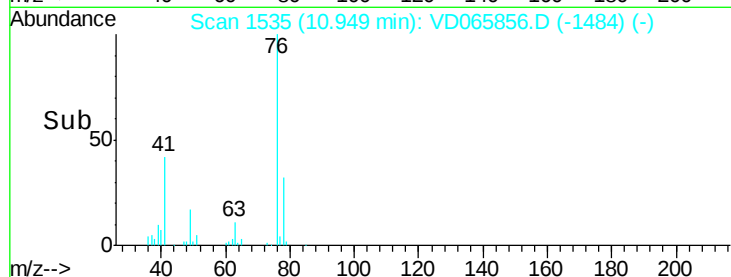
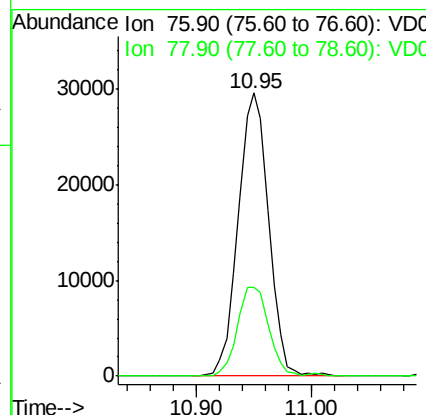
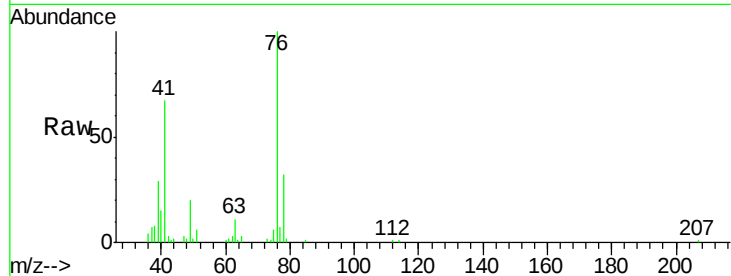
#57
 1,3-Dichloropropane
 Concen: 22.105 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065856.D
 Acq: 23 Jun 2020 13:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBSD01

Tot Ion: 76 Resp: 54091
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.3 39.5

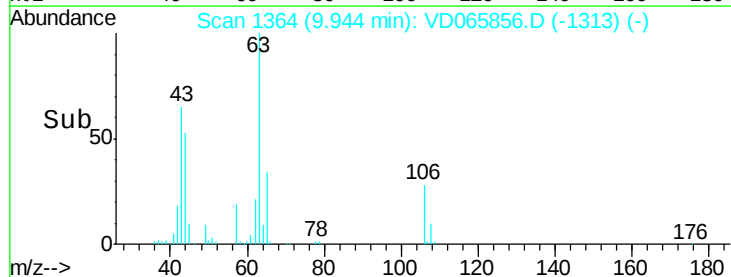
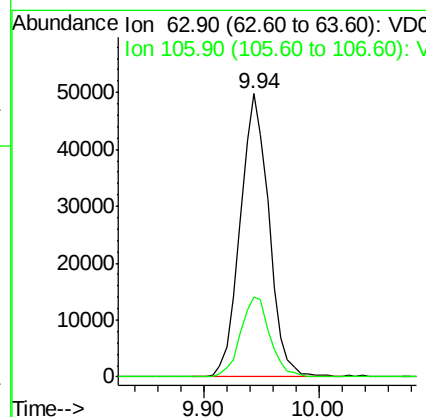
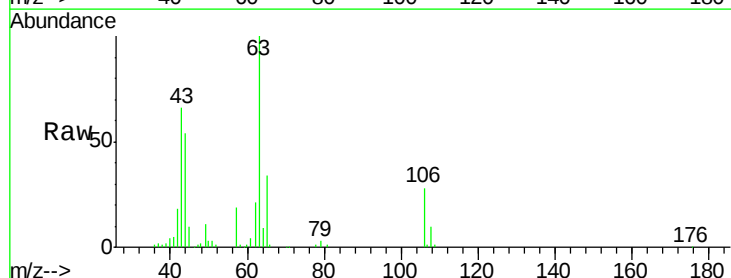
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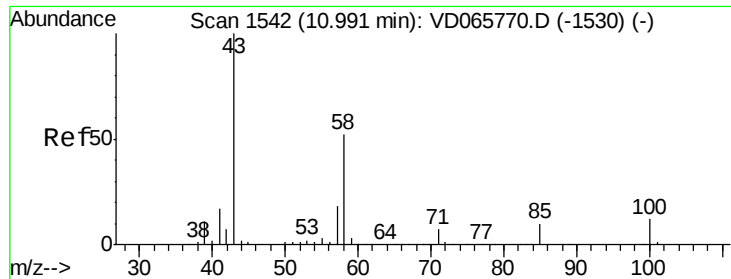
MMDadoda
 6/24/2020 10:52:38 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.915 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD065856.D
 Acq: 23 Jun 2020 13:25

Tgt Ion: 63 Resp: 85666
 Ion Ratio Lower Upper
 63 100
 106 28.8 23.2 34.8





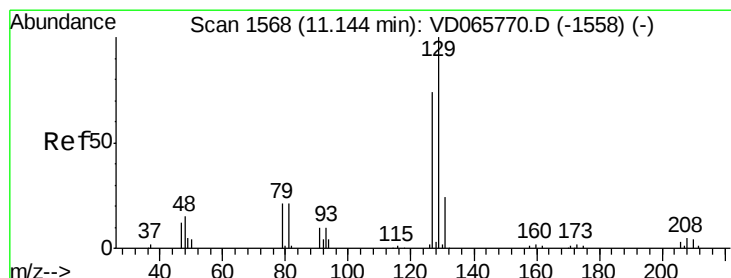
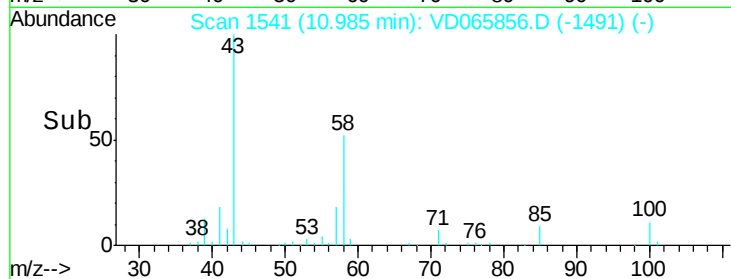
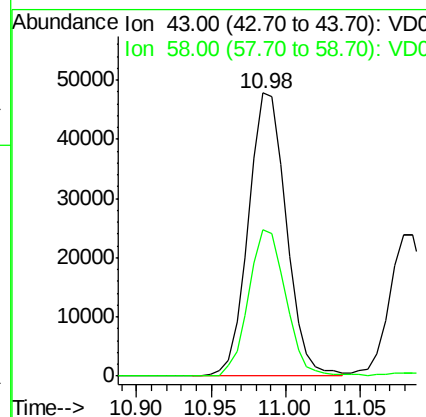
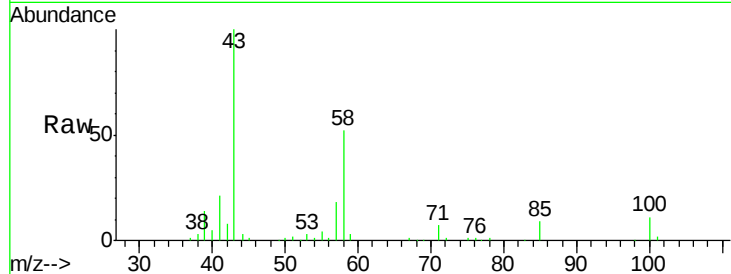
#59
2-Hexanone
Concen: 114.288 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD065856.D
Acq: 23 Jun 2020 13:25

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBS01

Tot Ion: 43 Resp: 83909
Ion Ratio Lower Upper
43 100
58 50.9 25.7 77.0

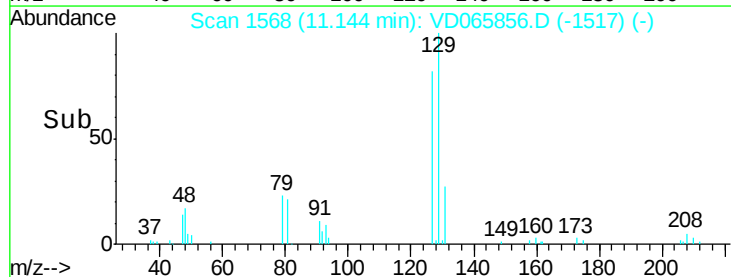
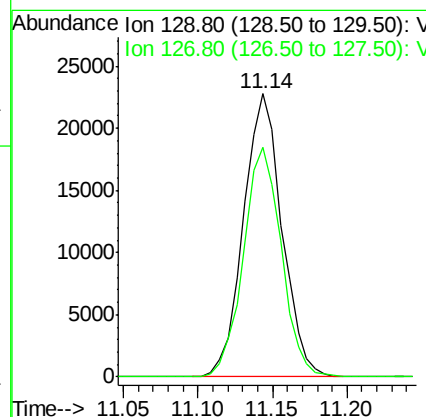
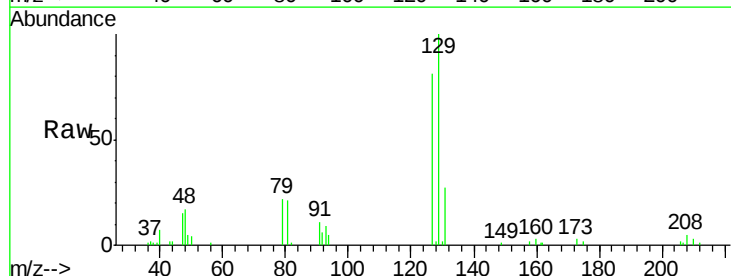
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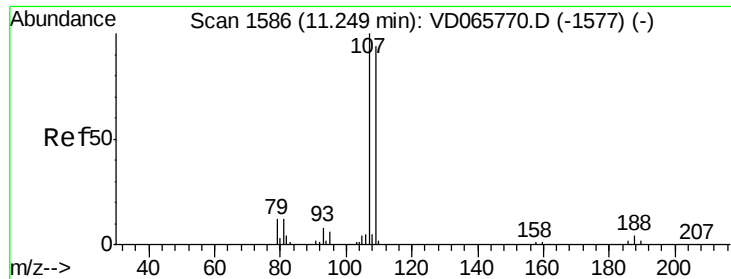
MMDadoda
6/24/2020 10:52:38 AM



#60
Dibromochloromethane
Concen: 21.298 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065856.D
Acq: 23 Jun 2020 13:25

Tgt Ion: 129 Resp: 40636
Ion Ratio Lower Upper
129 100
127 79.9 38.0 113.9





#61

1,2-Dibromoethane

Concen: 21.721 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD065856.D

Acq: 23 Jun 2020 13:25

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBSD01

Tot Ion:107 Resp: 30150

Ion Ratio Lower Upper

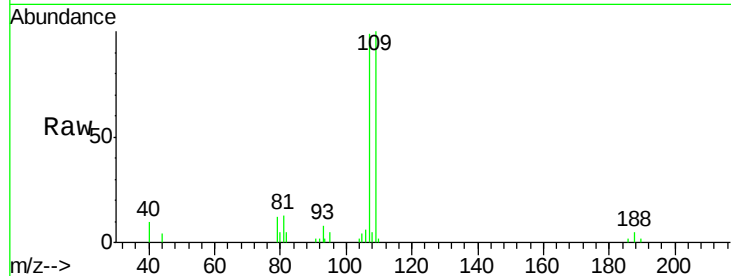
107 100

109 95.3 74.4 111.6

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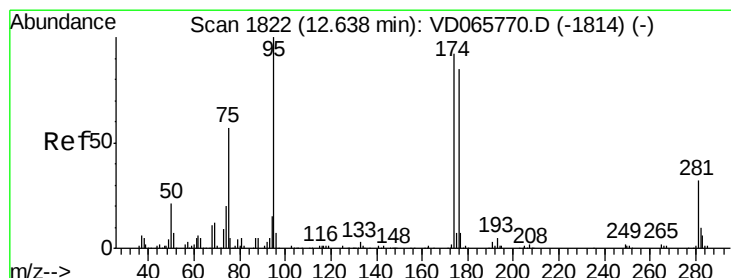
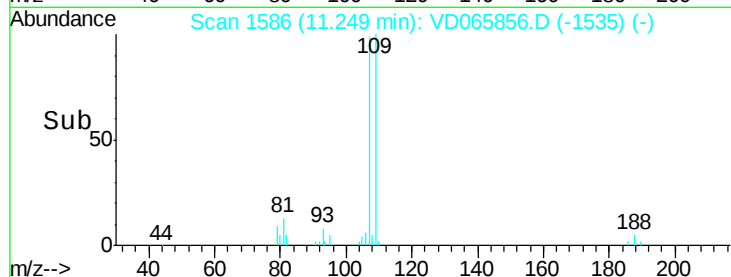
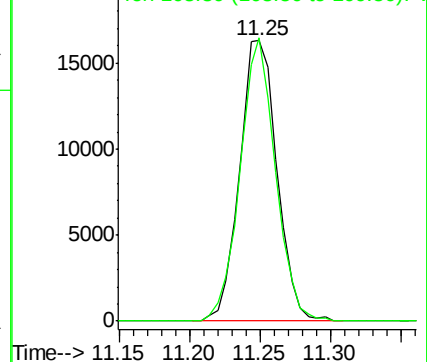
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.353 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065856.D

Acq: 23 Jun 2020 13:25

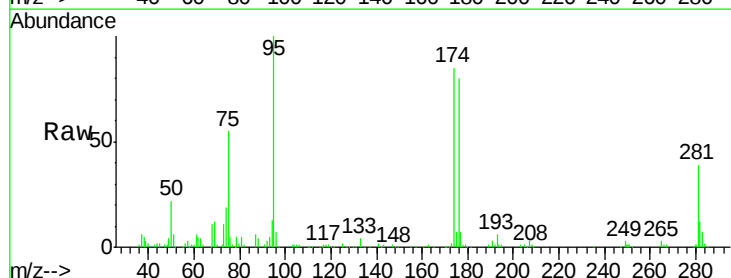
Tgt Ion: 95 Resp: 123867

Ion Ratio Lower Upper

95 100

174 84.1 0.0 175.2

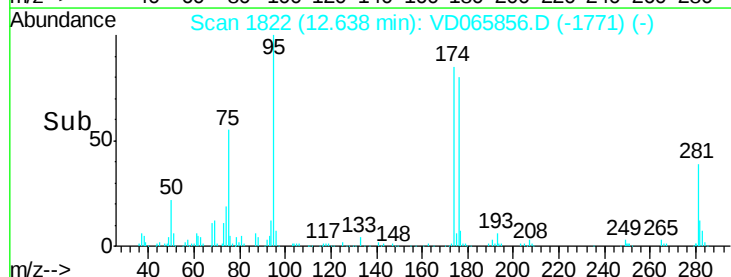
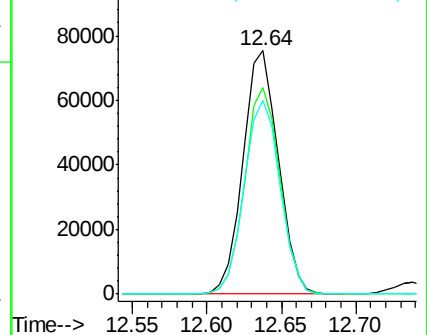
176 80.8 0.0 163.0

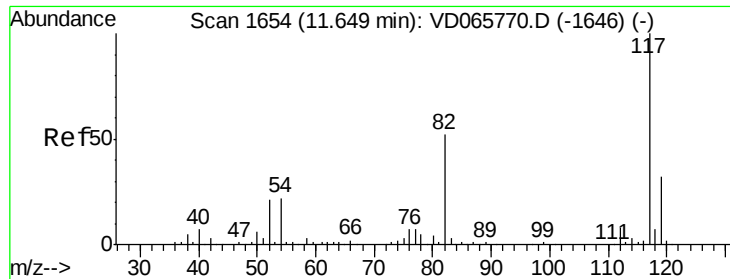


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





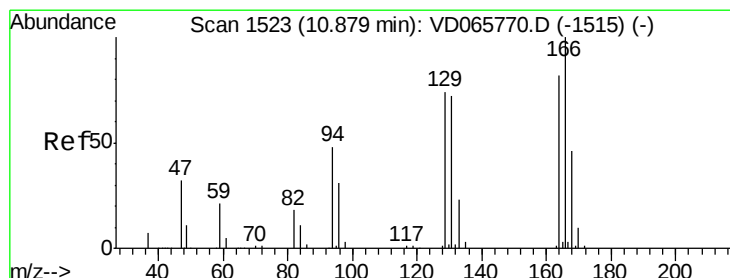
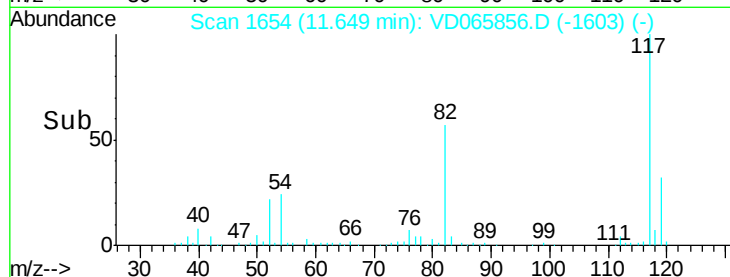
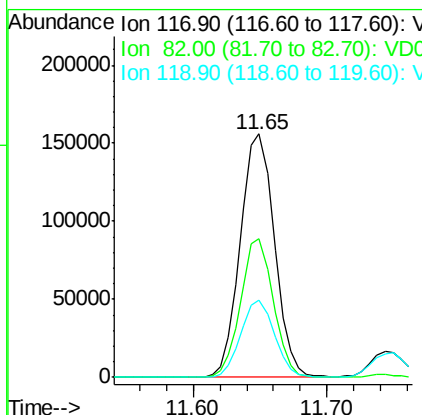
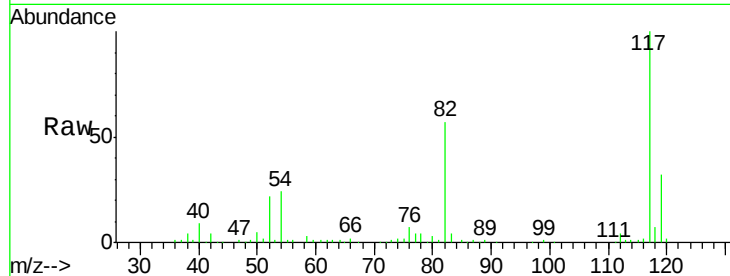
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065856.D
Acq: 23 Jun 2020 13:25

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	41.9	62.9
119	31.8	25.3	37.9

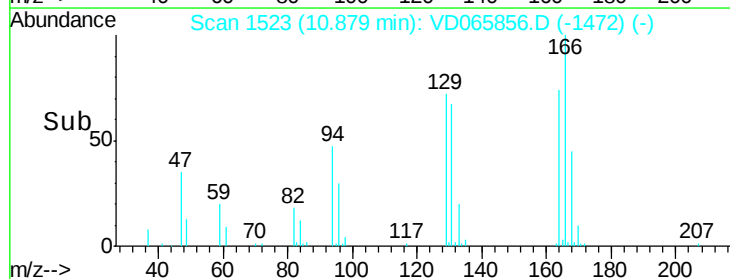
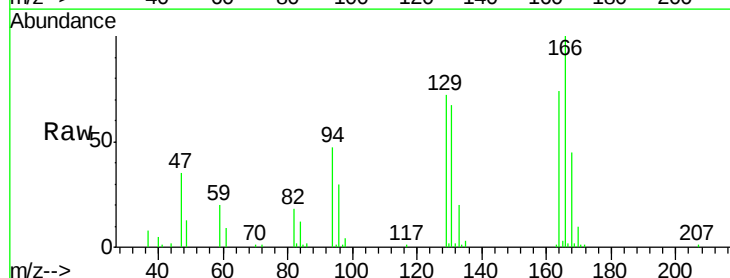
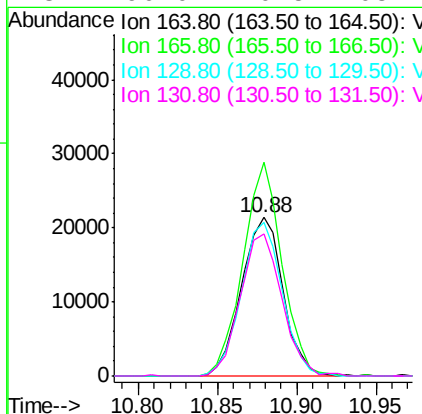
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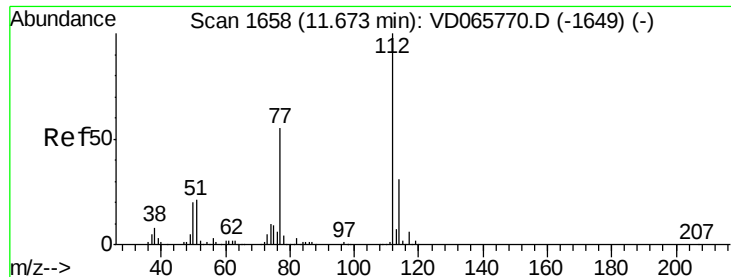
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#64
Tetrachloroethene
Concen: 20.772 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065856.D
Acq: 23 Jun 2020 13:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.7	98.2	147.2
129	96.9	72.3	108.5
131	90.0	70.5	105.7





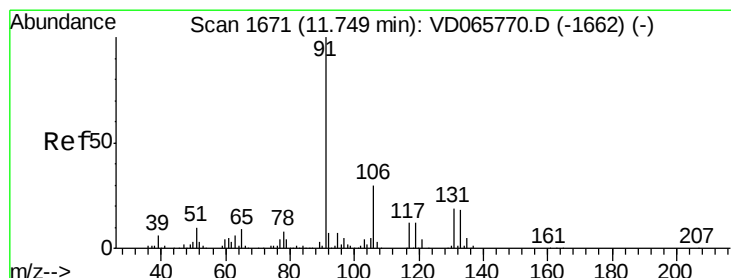
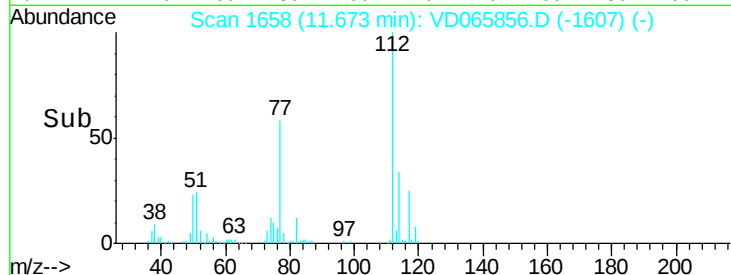
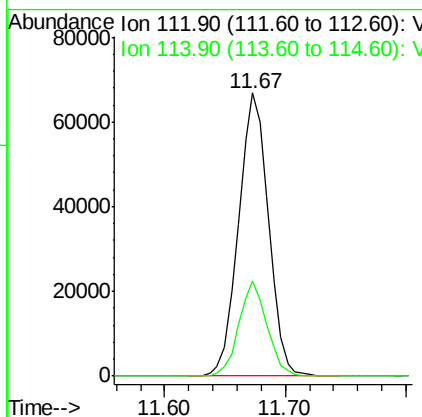
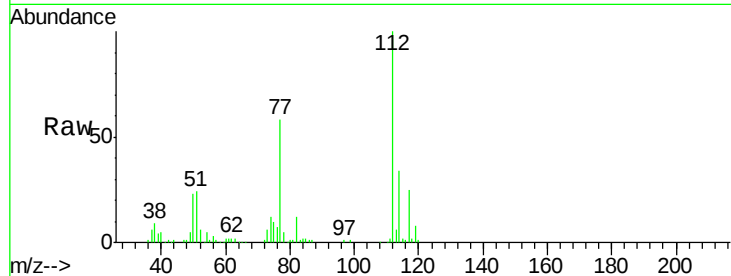
#65
Chlorobenzene
Concen: 21.374 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065856.D
Acq: 23 Jun 2020 13:25

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBS01

Tot Ion:112 Resp: 115544
Ion Ratio Lower Upper
112 100
114 33.6 24.7 37.1

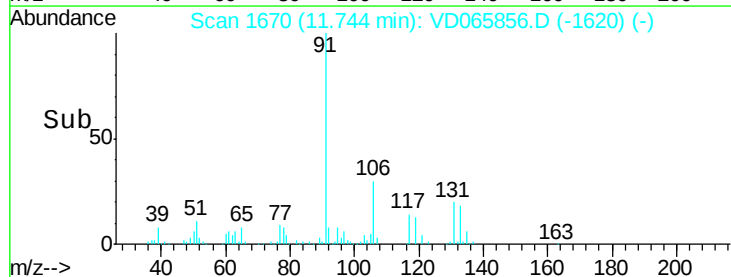
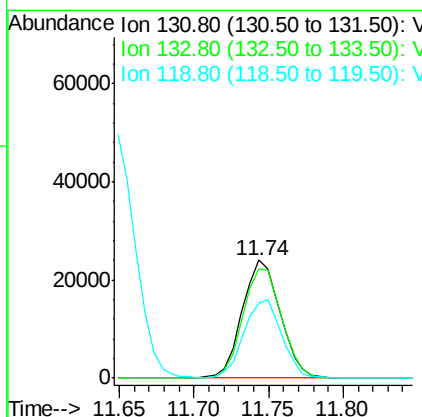
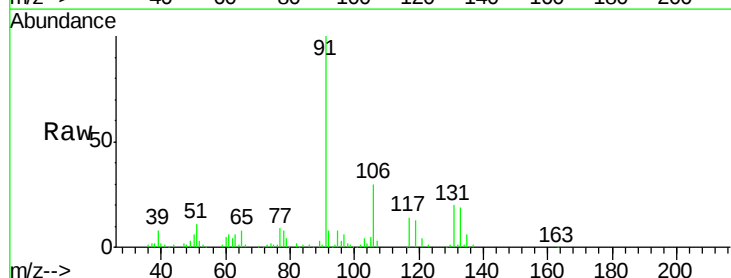
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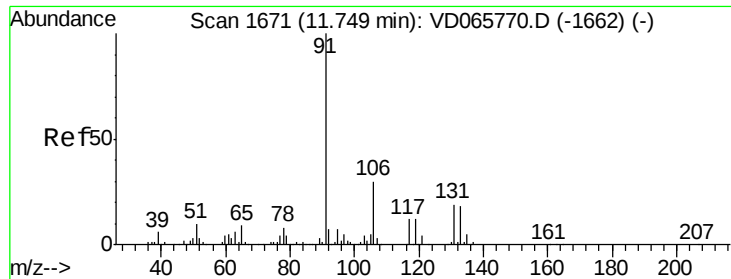
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.973 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD065856.D
Acq: 23 Jun 2020 13:25

Tgt Ion:131 Resp: 42262
Ion Ratio Lower Upper
131 100
133 95.1 47.3 141.9
119 66.3 31.6 94.8





#67

Ethyl Benzene

Concen: 21.443 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065856.D

Acq: 23 Jun 2020 13:25

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBS01

Tot Ion: 91 Resp: 207077

Ion Ratio Lower Upper

91 100

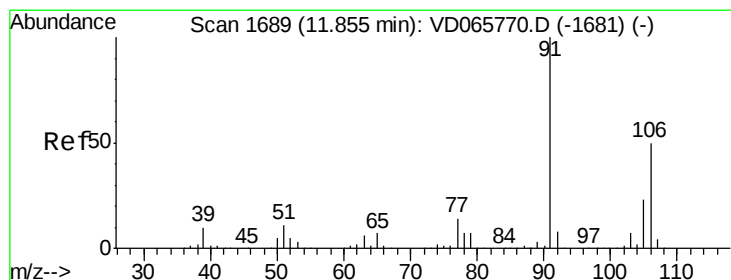
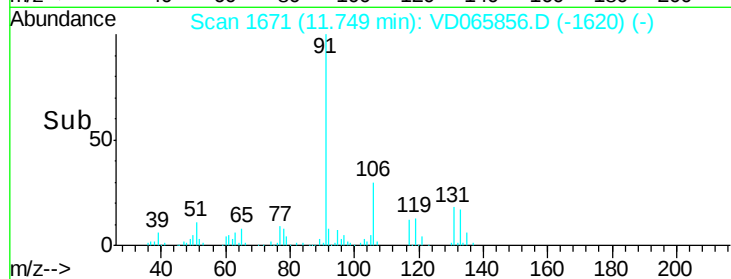
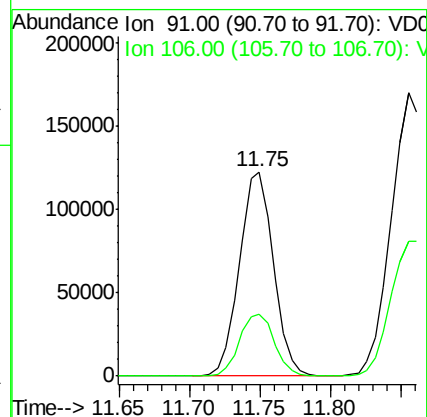
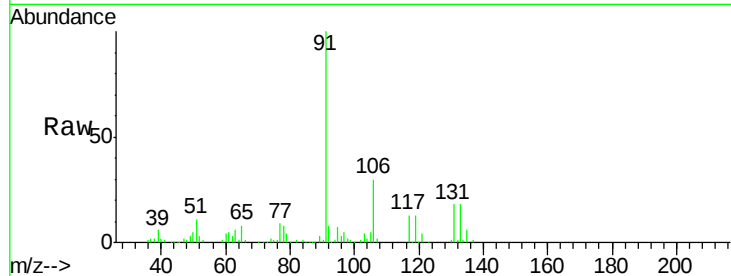
106 30.0 24.1 36.1

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#68

m/p-Xylenes

Concen: 42.631 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD065856.D

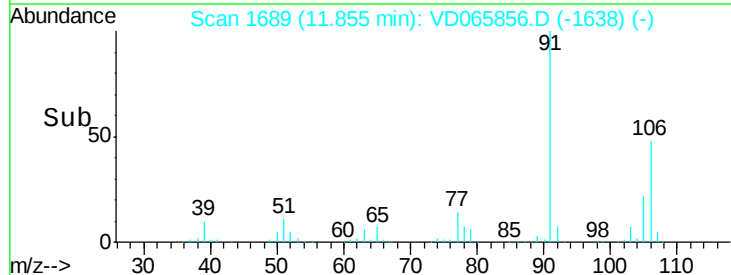
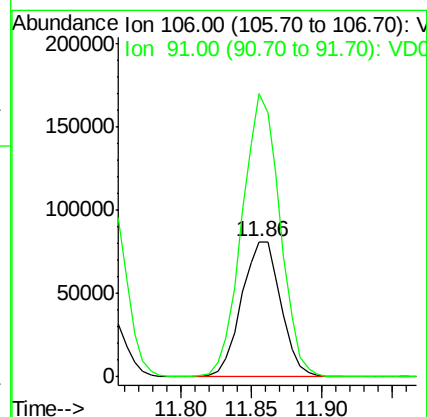
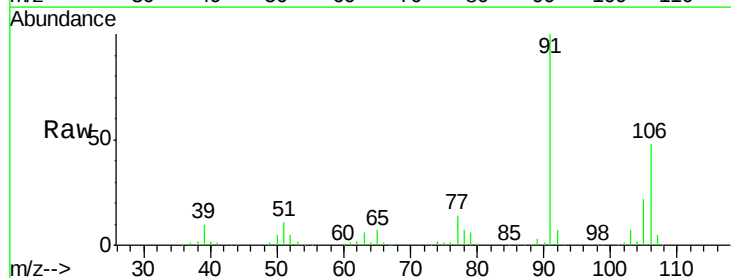
Acq: 23 Jun 2020 13:25

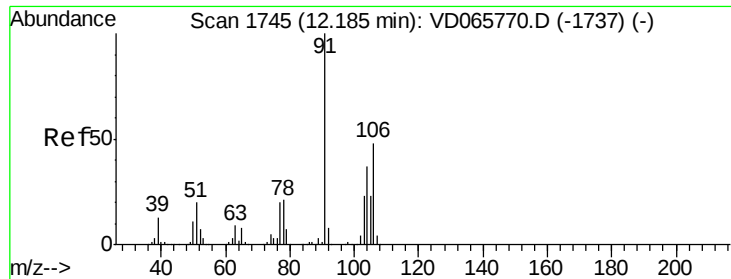
Tgt Ion: 106 Resp: 158580

Ion Ratio Lower Upper

106 100

91 201.9 159.4 239.2





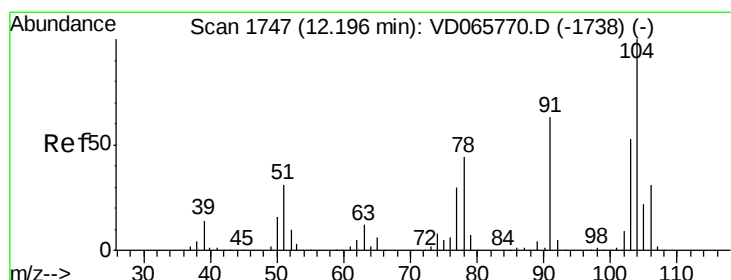
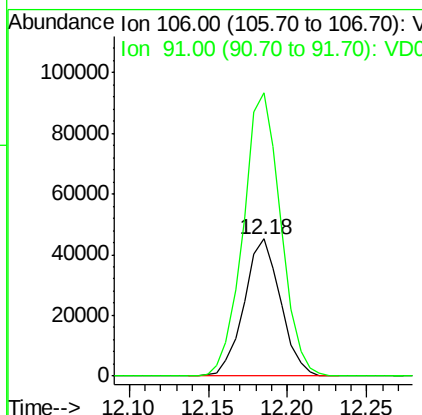
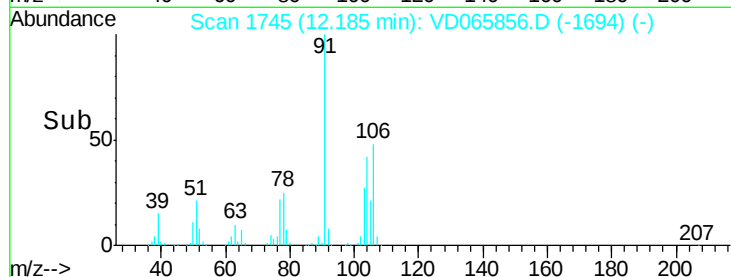
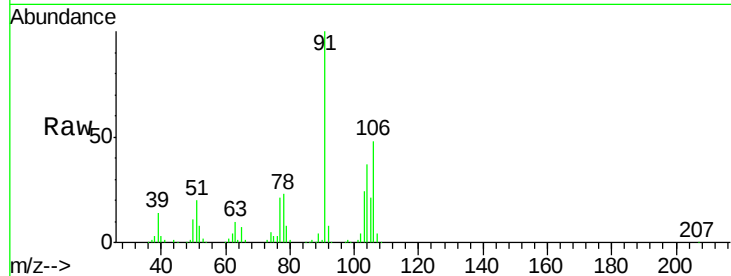
#69
o-Xylene
Concen: 21.508 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065856.D
Acq: 23 Jun 2020 13:25

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBS01

Tot Ion:106 Resp: 72138
Ion Ratio Lower Upper
106 100
91 212.9 105.3 315.8

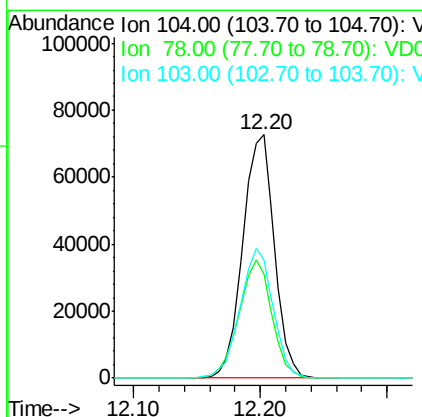
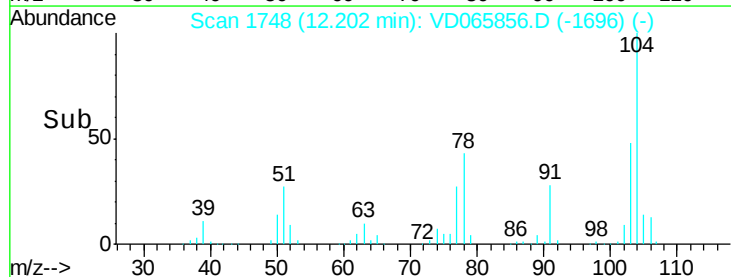
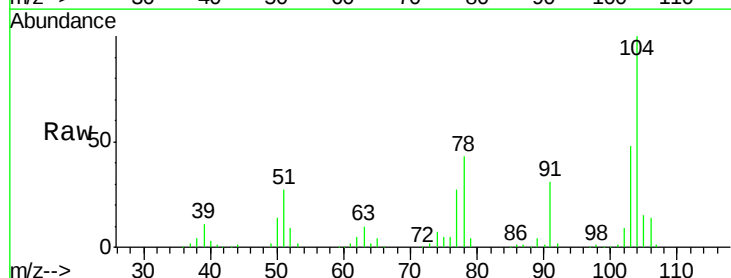
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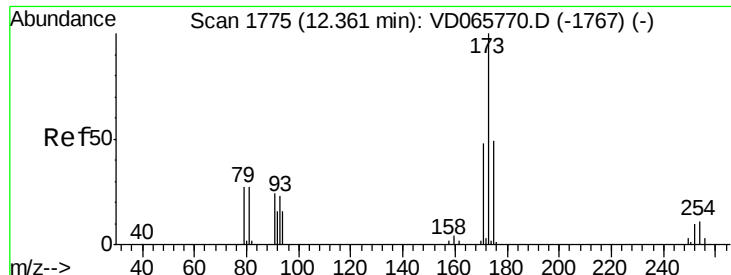
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#70
Styrene
Concen: 21.642 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD065856.D
Acq: 23 Jun 2020 13:25

Tgt Ion:104 Resp: 125654
Ion Ratio Lower Upper
104 100
78 50.2 38.6 58.0
103 55.6 43.9 65.9





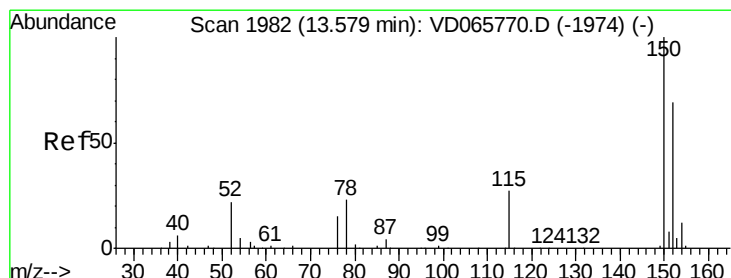
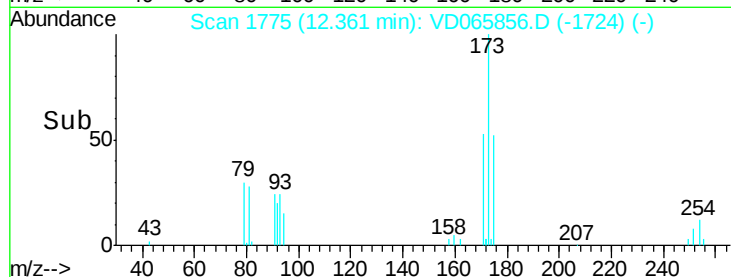
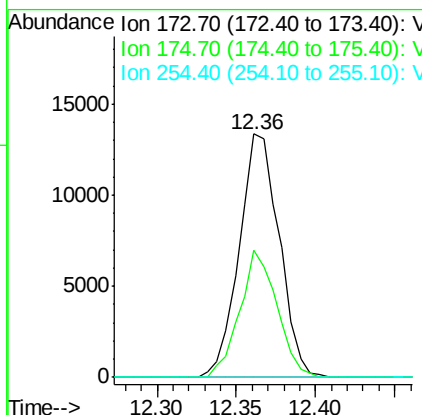
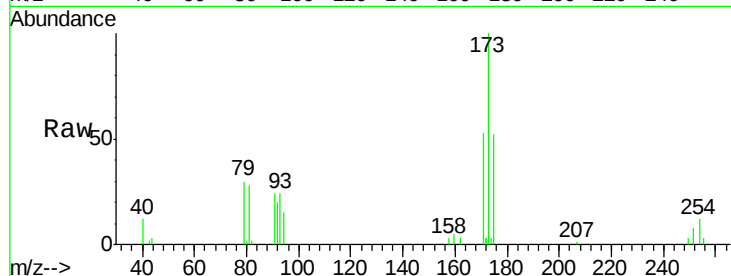
#71
Bromoform
Concen: 21.108 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD065856.D
Acq: 23 Jun 2020 13:25

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.8	74.4
254	0.0	0.0	0.0

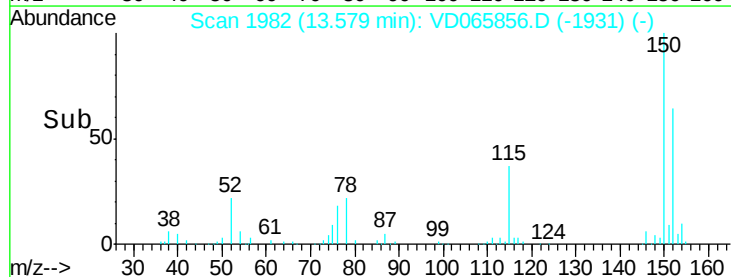
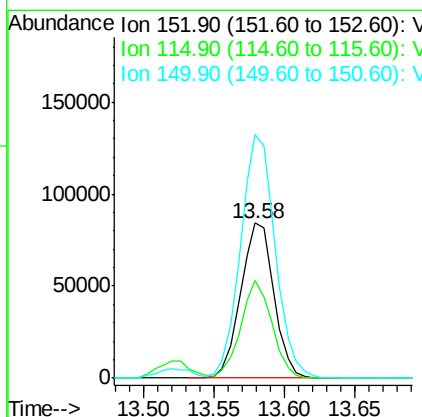
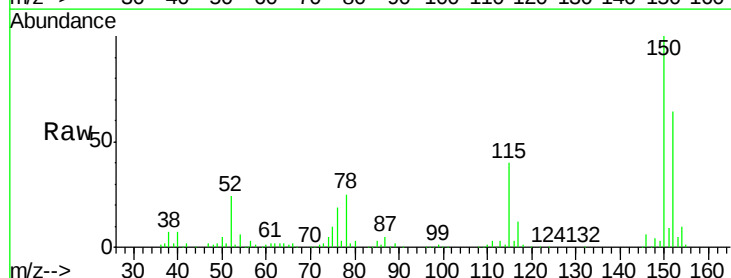
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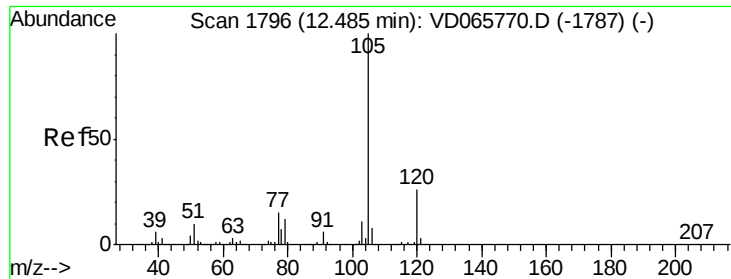
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065856.D
Acq: 23 Jun 2020 13:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	28.7	86.1
150	164.0	0.0	348.0





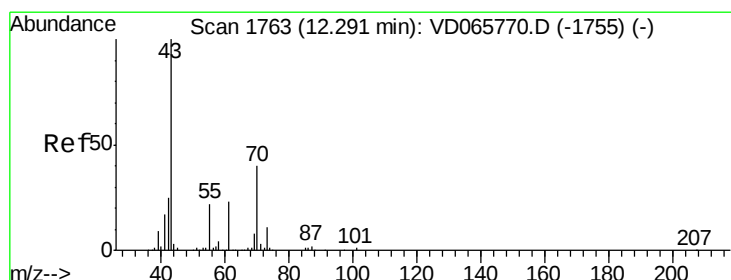
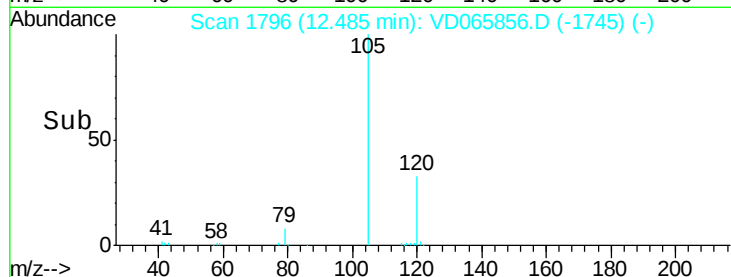
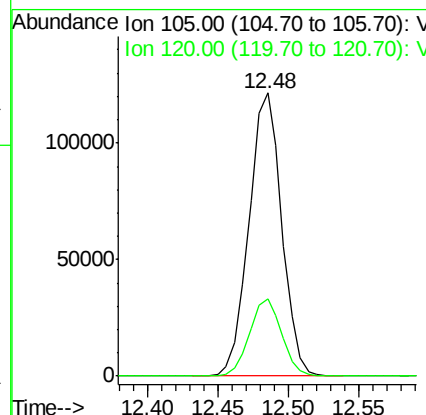
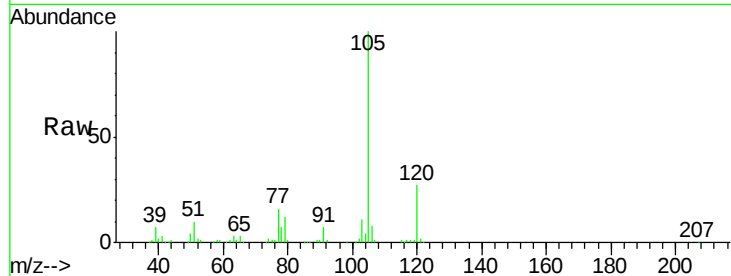
#73
Isopropylbenzene
Concen: 21.299 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065856.D
Acq: 23 Jun 2020 13:25

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	197619		
120	26.9	13.5	40.5	

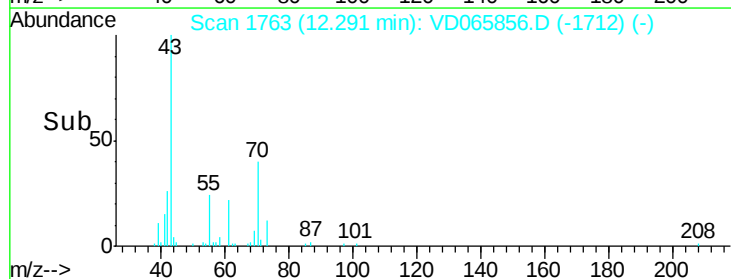
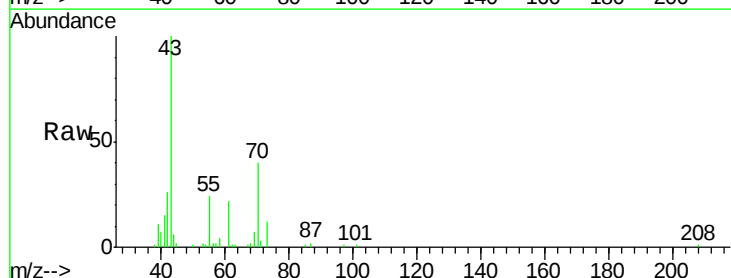
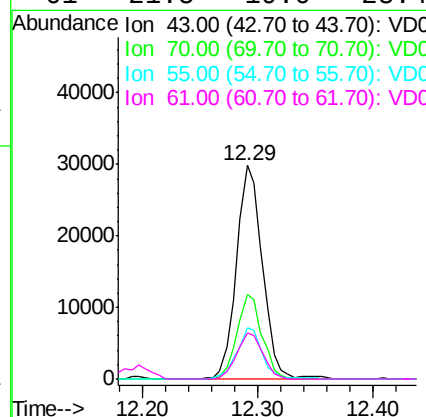
Manual Integrations
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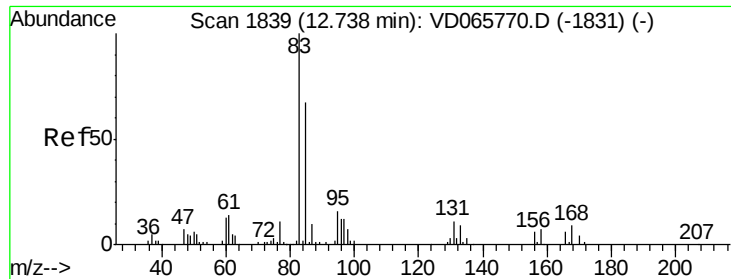
MMDadoda
6/24/2020 10:52:38 AM



#74
N-ethyl acetate
Concen: 22.509 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD065856.D
Acq: 23 Jun 2020 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	46463		
70	38.1	32.3	48.5	
55	23.6	19.0	28.4	
61	21.5	19.0	28.4	





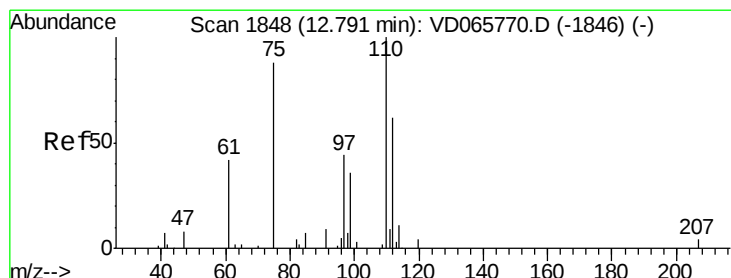
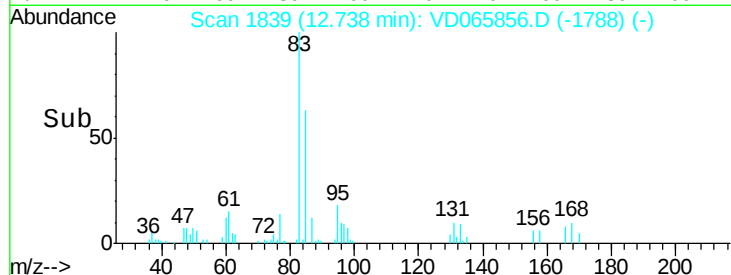
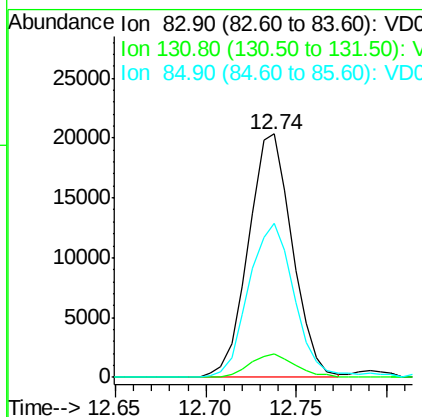
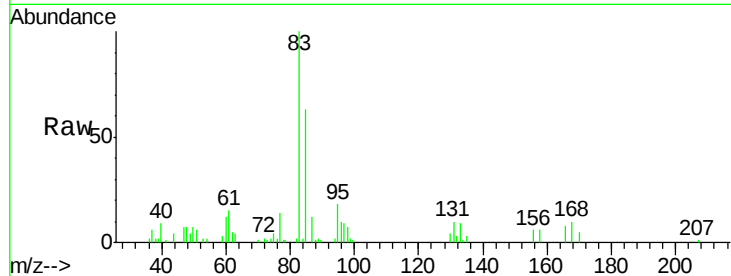
#75
 1,1,2,2-Tetrachloroethane
 Concen: 21.862 ug/l
 RT: 12.74 min Scan# 1839
 Delta R.T. -0.00 min
 Lab File: VD065856.D
 Acq: 23 Jun 2020 13:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBSD01

Tot Ion	83	Resp	34257
Ion Ratio	100	Lower	Upper
83	100		
131	9.7	5.5	16.4
85	66.9	32.5	97.5

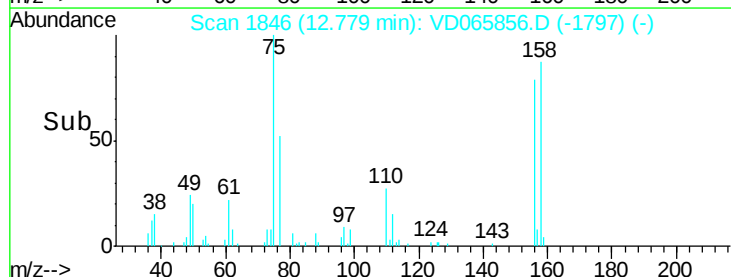
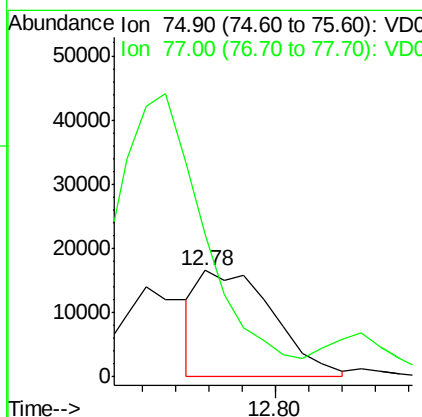
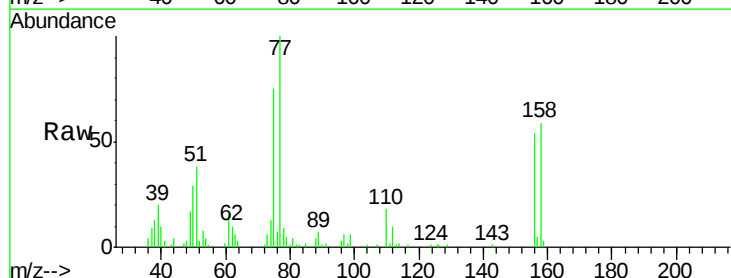
Manual Integrations
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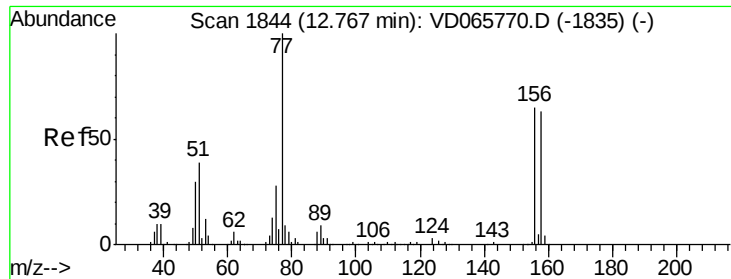
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 6/24/2020 10:52:38 AM



#76
 1,2,3-Trichloropropane
 Concen: 24.349 ug/l m
 RT: 12.78 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: VD065856.D
 Acq: 23 Jun 2020 13:25

Tgt Ion	75	Resp	26206
Ion Ratio	100	Lower	Upper
75	100		
77	321.1	0.0	0.0#





#77

Bromobenzene

Concen: 21.562 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065856.D

Acq: 23 Jun 2020 13:25

Instrument :

MSVOA_D

ClientSampleId :

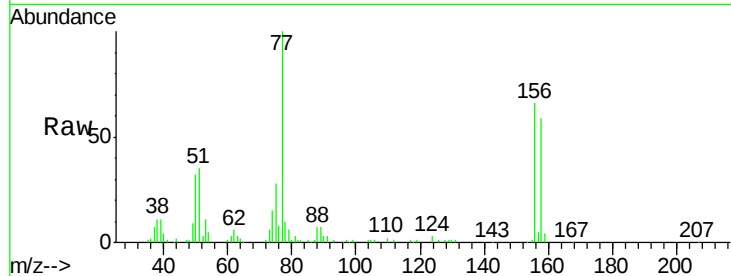
VD0623SBS01

Tot Ion:156 Resp: 47335

Ion	Ratio	Lower	Upper
156	100		
77	177.8	87.3	261.8
158	97.7	48.0	144.0

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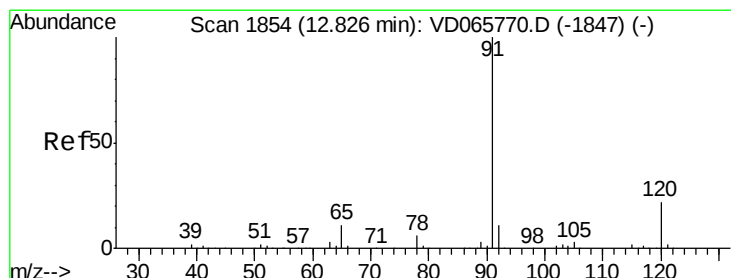
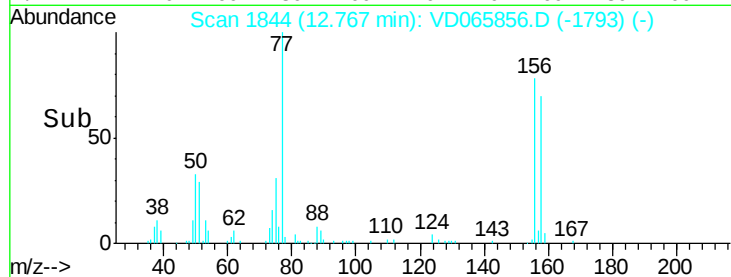
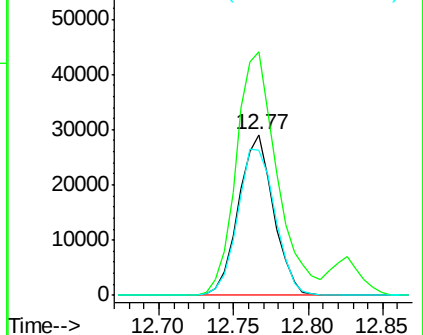
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.693 ug/l

RT: 12.83 min Scan# 1854

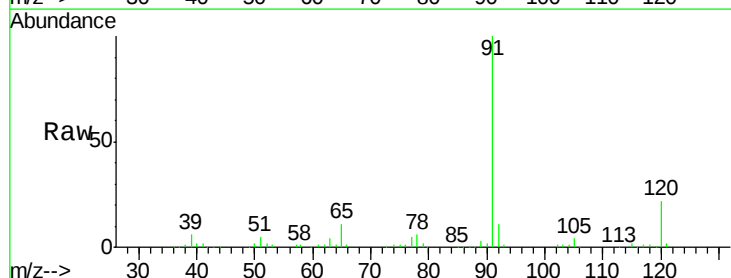
Delta R.T. -0.00 min

Lab File: VD065856.D

Acq: 23 Jun 2020 13:25

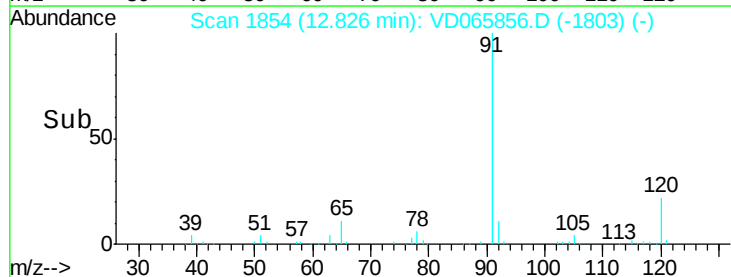
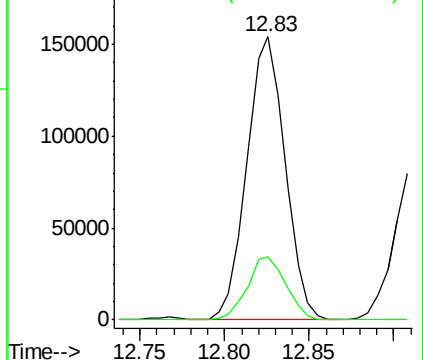
Tgt Ion: 91 Resp: 242282

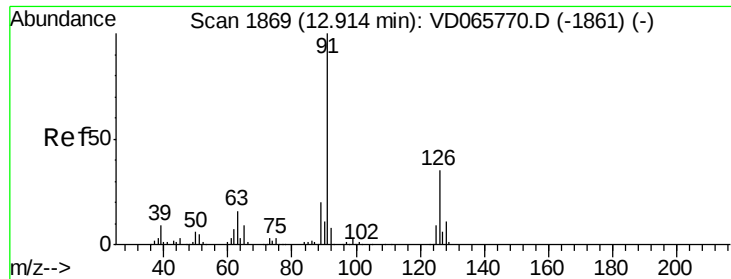
Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.3	33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.955 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.01 min

Lab File: VD065856.D

Acq: 23 Jun 2020 13:25

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBSD01

Tot Ion: 91 Resp: 134513

Ion Ratio Lower Upper

91 100

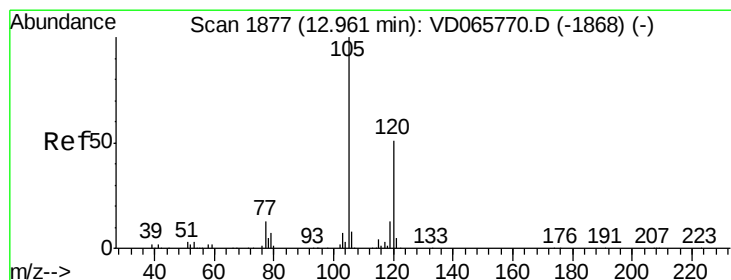
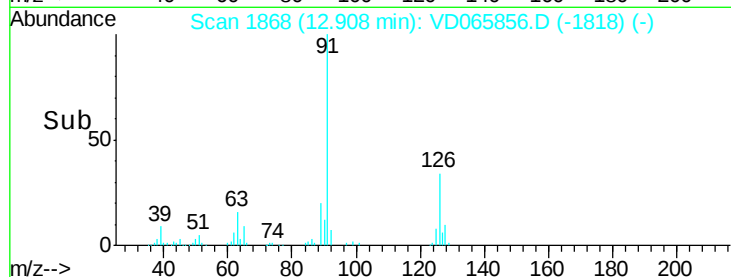
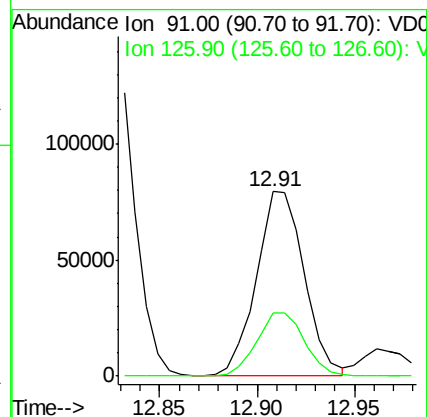
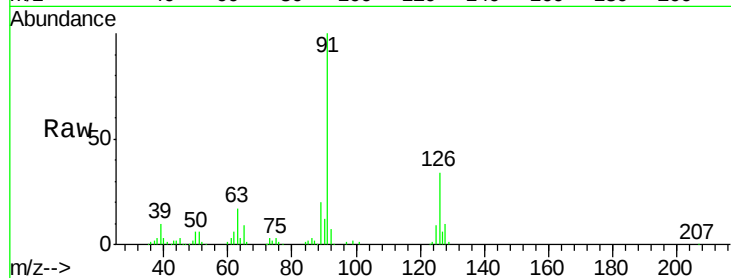
126 34.4 17.5 52.6

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#80

1,3,5-Trimethylbenzene

Concen: 21.530 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD065856.D

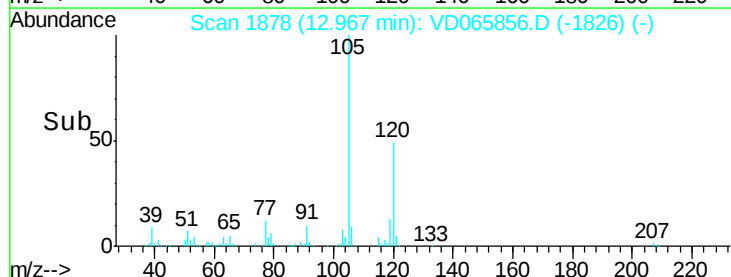
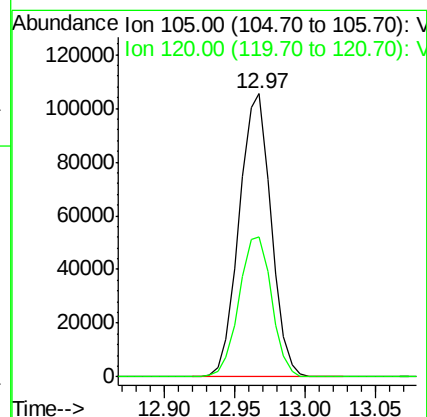
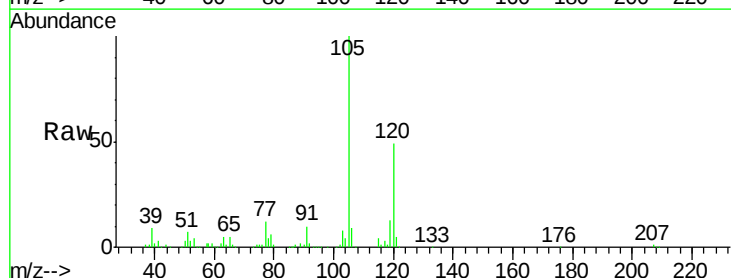
Acq: 23 Jun 2020 13:25

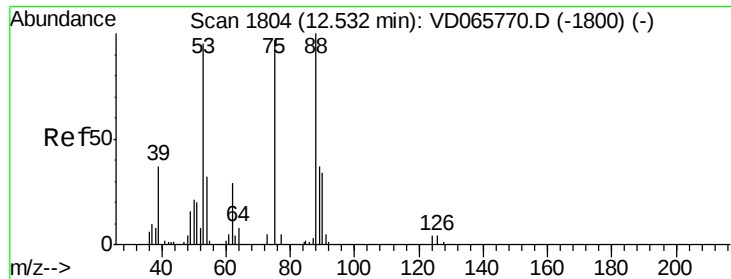
Tgt Ion: 105 Resp: 166237

Ion Ratio Lower Upper

105 100

120 50.7 25.4 76.0





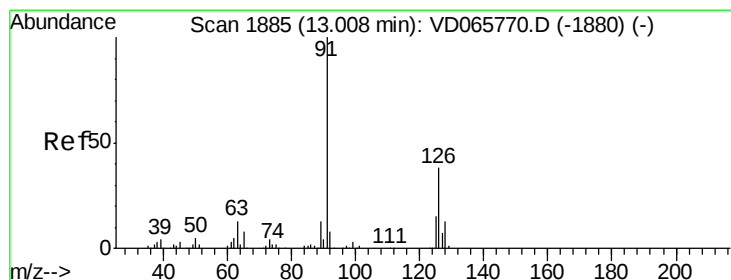
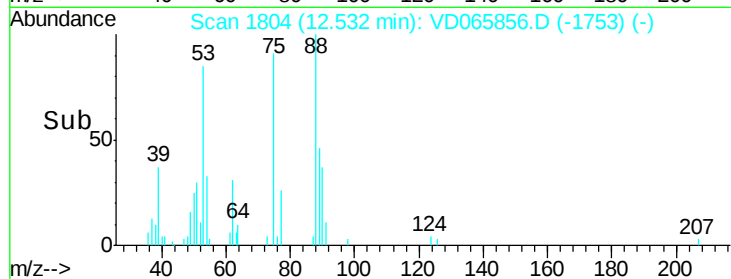
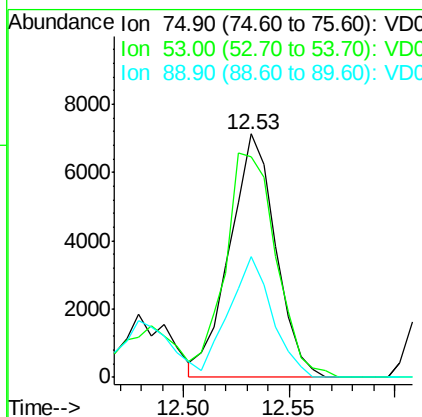
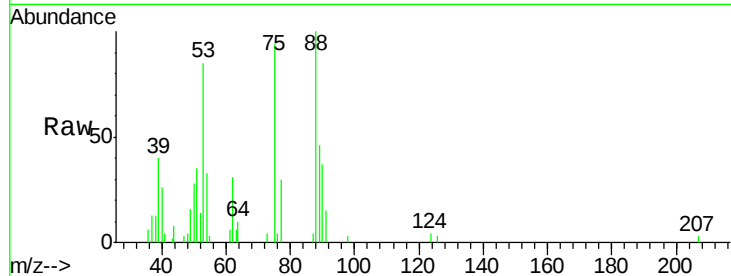
#81
trans-1,4-Dichloro-2-butene
Concen: 21.561 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD065856.D
Acq: 23 Jun 2020 13:25

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.3	82.6	123.8
89	46.7	35.9	53.9

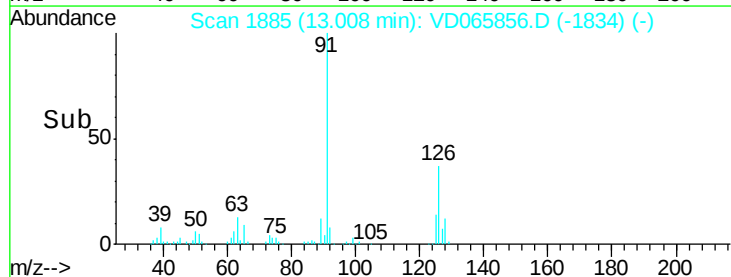
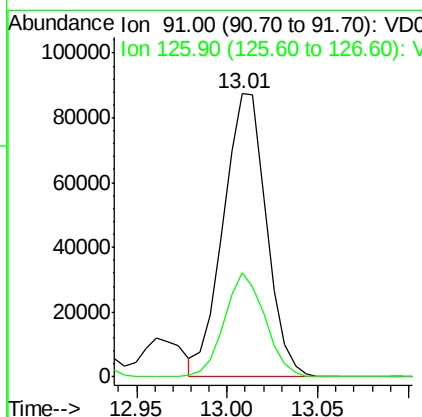
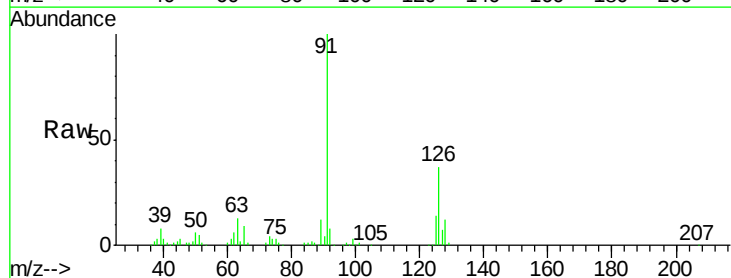
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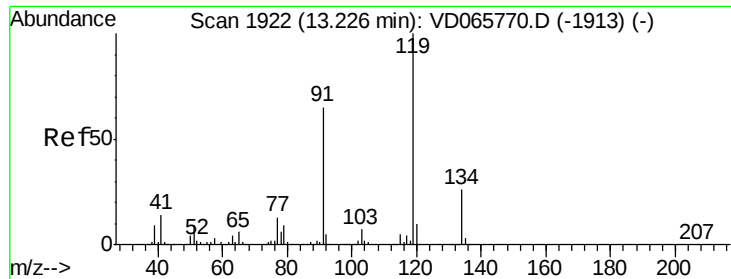
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#82
4-Chlorotoluene
Concen: 21.970 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD065856.D
Acq: 23 Jun 2020 13:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.6	52.8





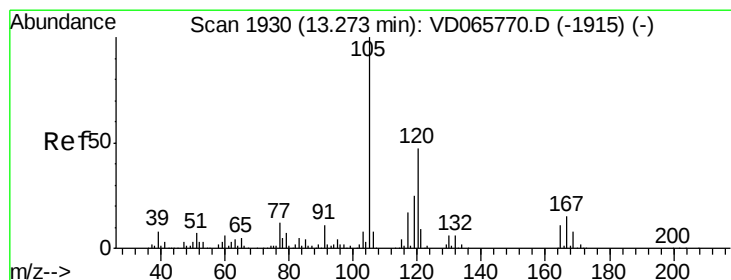
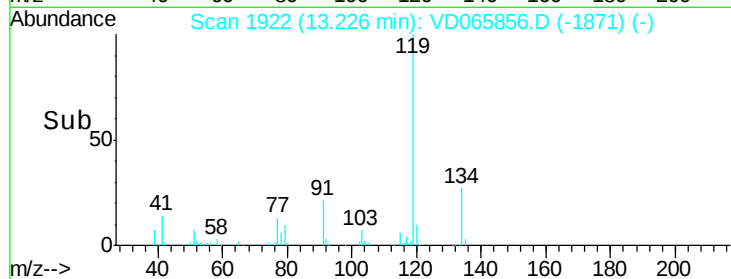
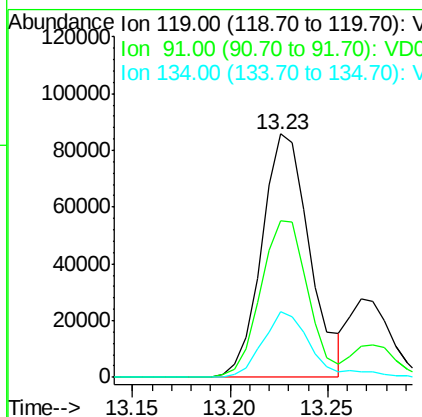
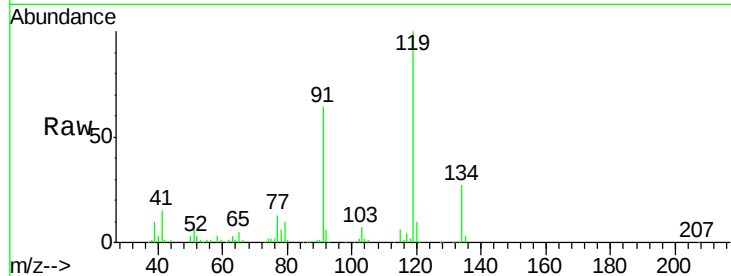
#83
tert-Butylbenzene
Concen: 21.786 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD065856.D
Acq: 23 Jun 2020 13:25

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	145959		
91	63.6		32.0	96.0
134	27.4		13.8	41.4

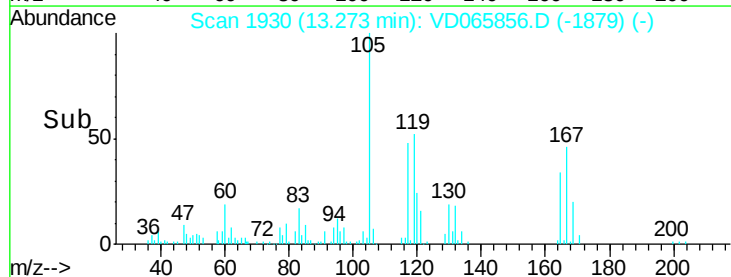
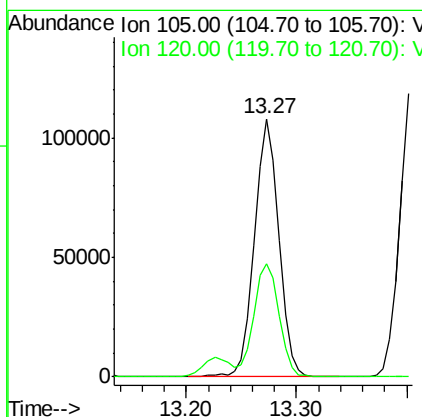
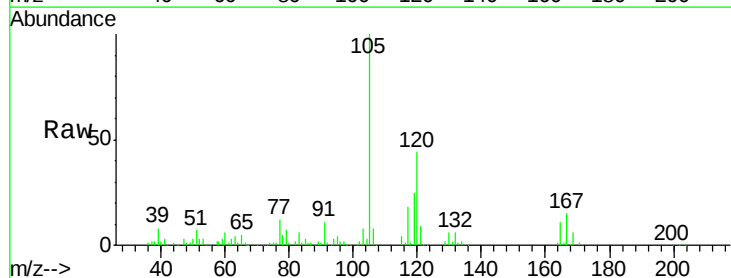
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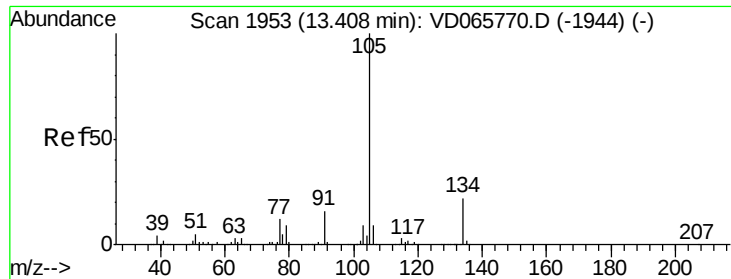
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.693 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD065856.D
Acq: 23 Jun 2020 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	167650		
120	45.5		23.3	69.8





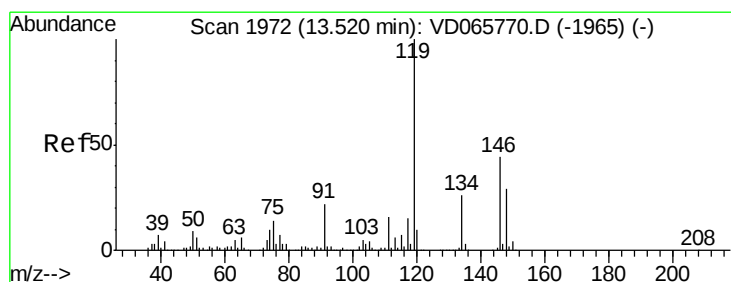
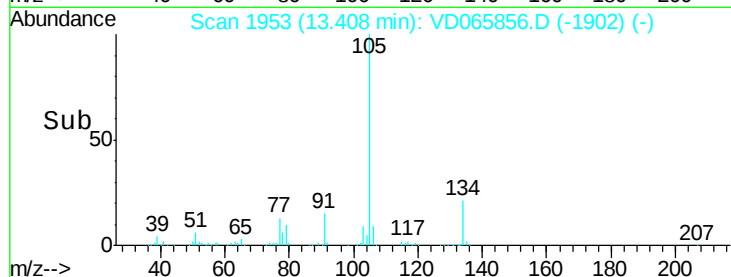
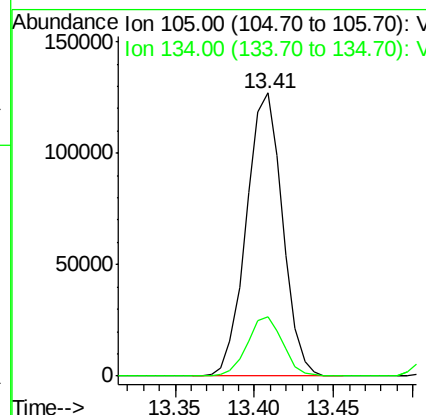
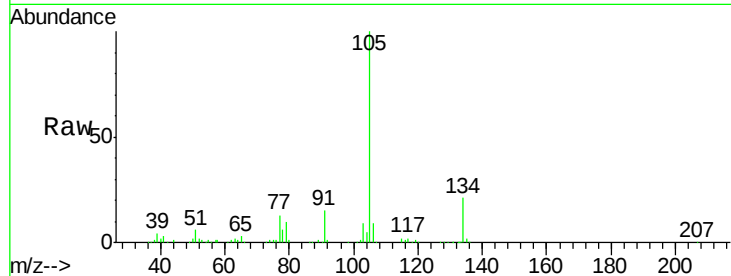
#85
 sec-Butylbenzene
 Concen: 21.603 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD065856.D
 Acq: 23 Jun 2020 13:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.4	31.4

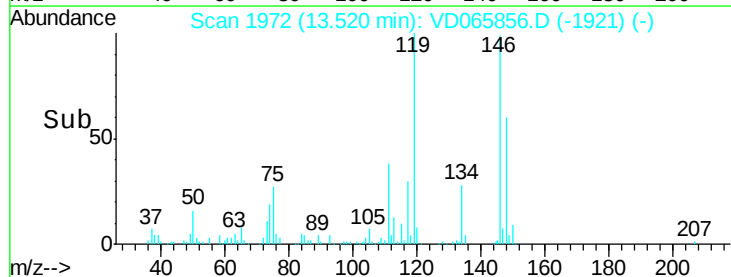
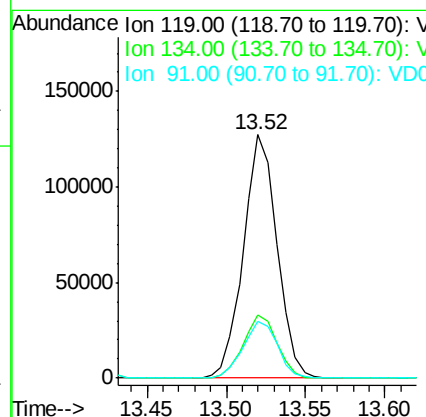
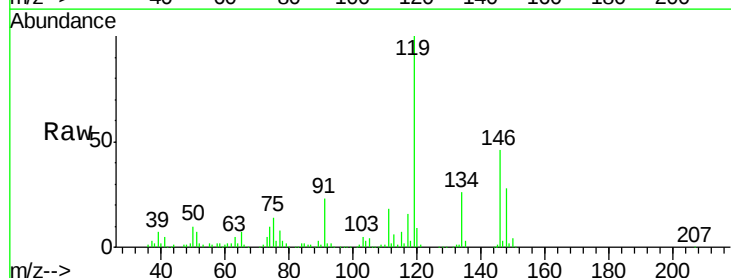
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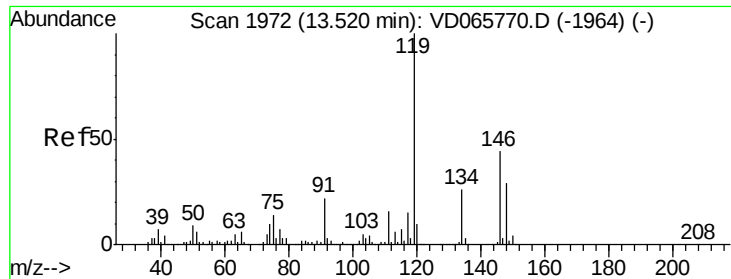
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 6/24/2020 10:52:38 AM



#86
 p-Isopropyltoluene
 Concen: 21.993 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD065856.D
 Acq: 23 Jun 2020 13:25

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.3	39.9
91	23.8	11.8	35.4





#87

1,3-Dichlorobenzene

Concen: 21.648 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065856.D

Acq: 23 Jun 2020 13:25

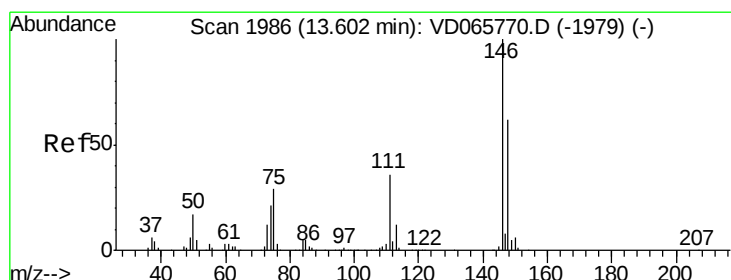
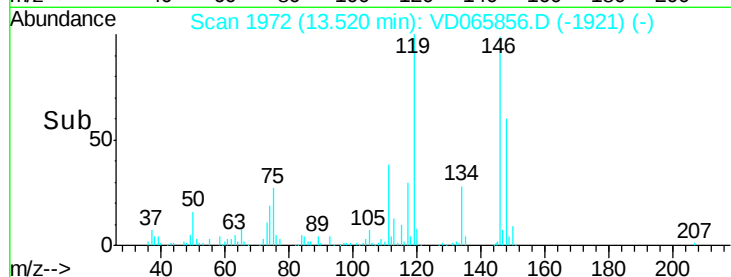
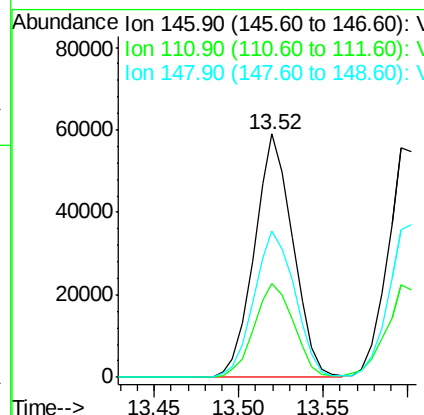
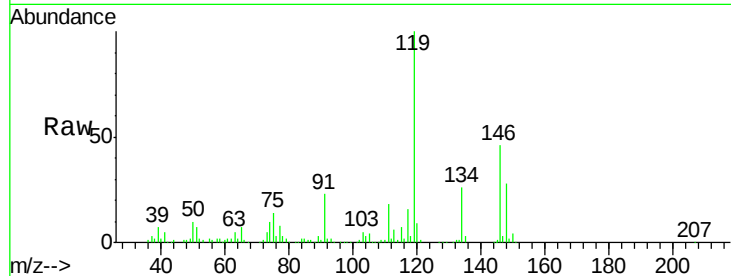
Instrument :
MSVOA_D

ClientSampleId :
VD0623SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.2	57.6
148	63.7	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 21.478 ug/l

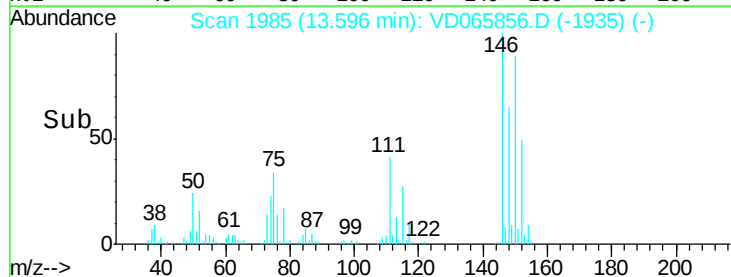
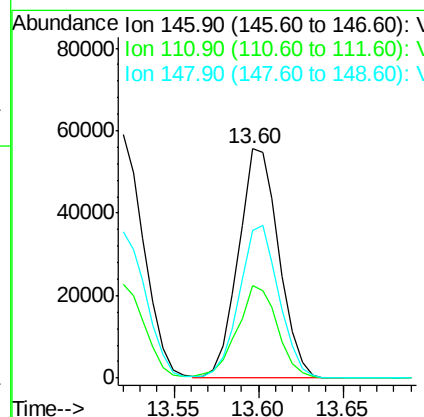
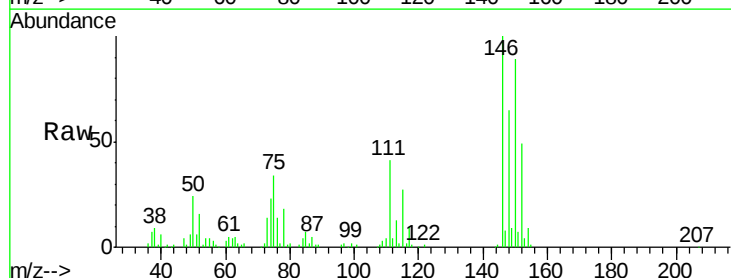
RT: 13.60 min Scan# 1985

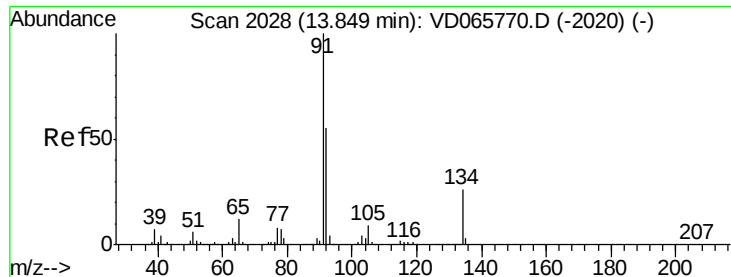
Delta R.T. -0.01 min

Lab File: VD065856.D

Acq: 23 Jun 2020 13:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	18.9	56.7
148	65.5	31.6	94.7





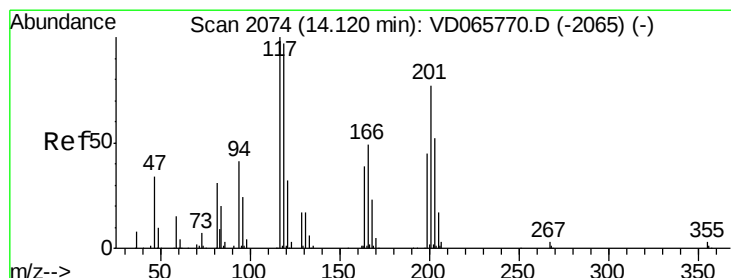
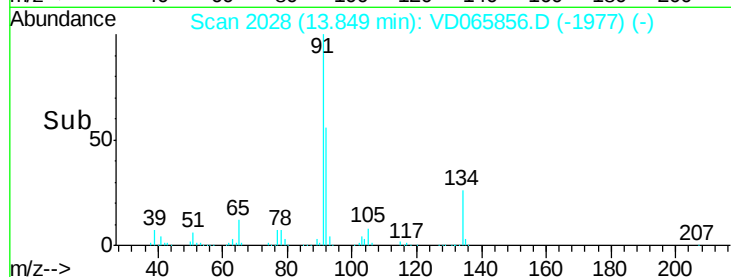
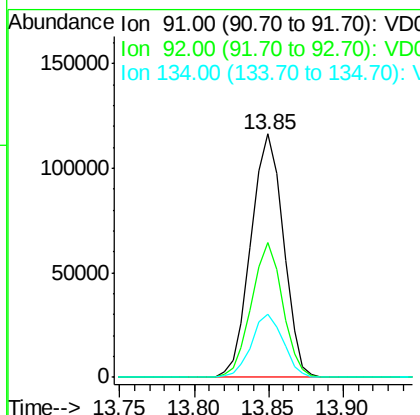
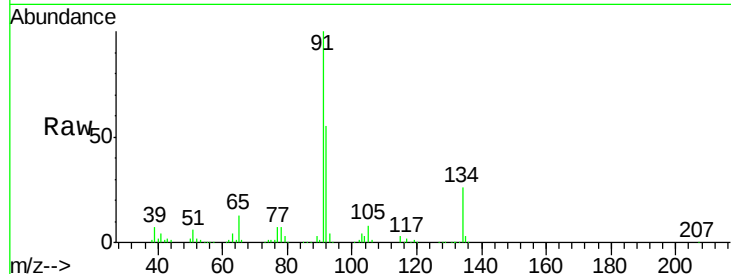
#89
n-Butylbenzene
Concen: 21.499 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD065856.D
Acq: 23 Jun 2020 13:25

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	27.0	81.0
134	25.3	13.0	39.0

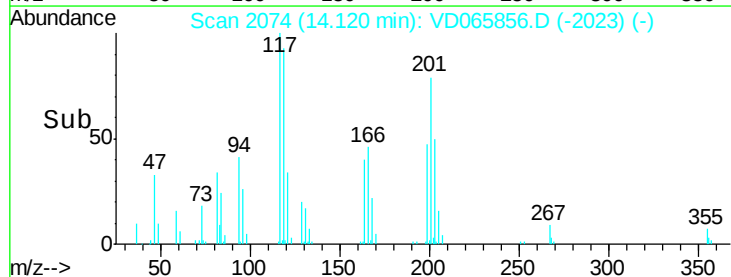
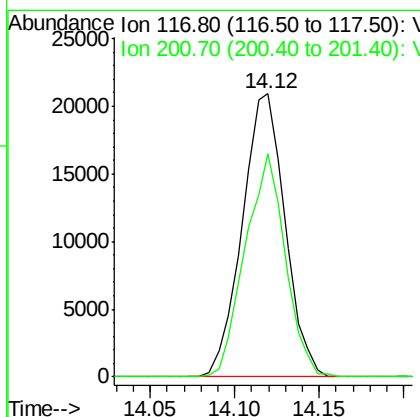
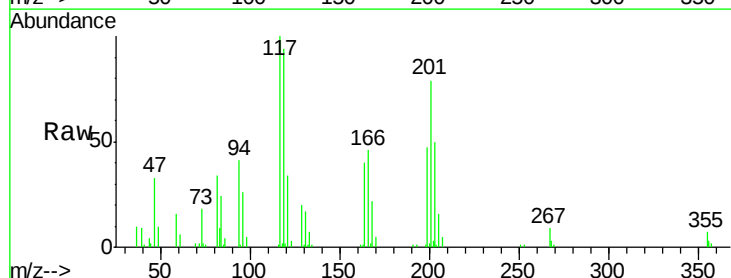
Manual Integrations
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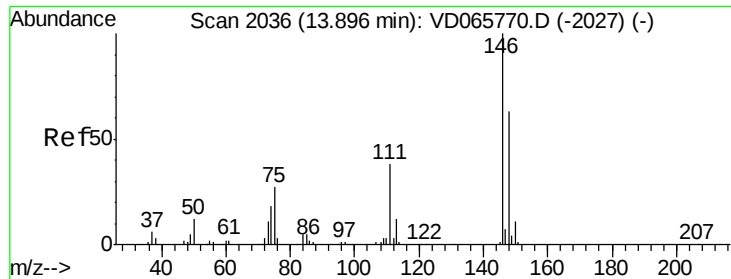
MMDadoda
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#90
Hexachloroethane
Concen: 21.551 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065856.D
Acq: 23 Jun 2020 13:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.0	37.1	111.5





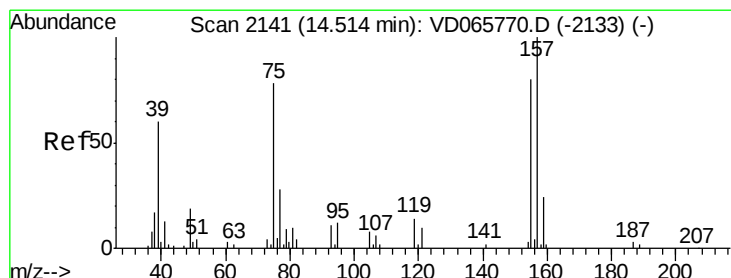
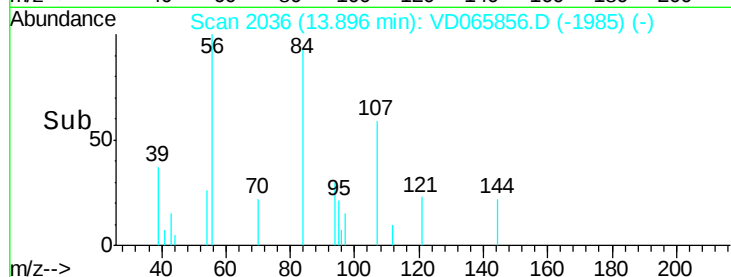
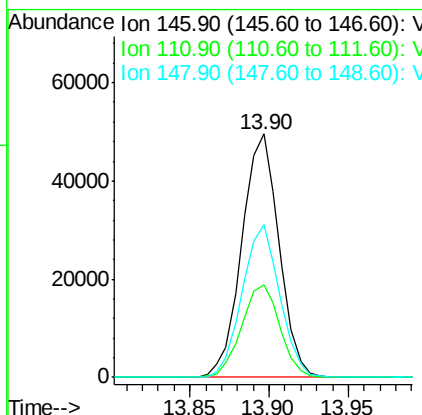
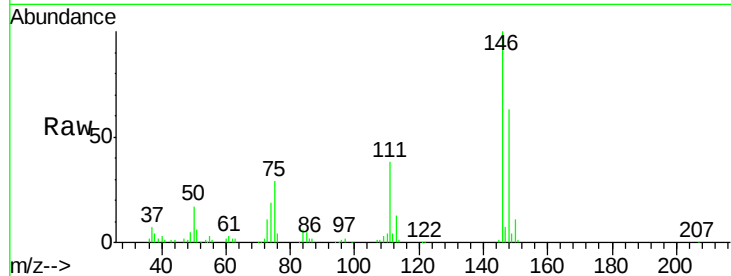
#91
 1,2-Dichlorobenzene
 Concen: 21.685 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065856.D
 Acq: 23 Jun 2020 13:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.8	59.4
148	63.0	31.9	95.7

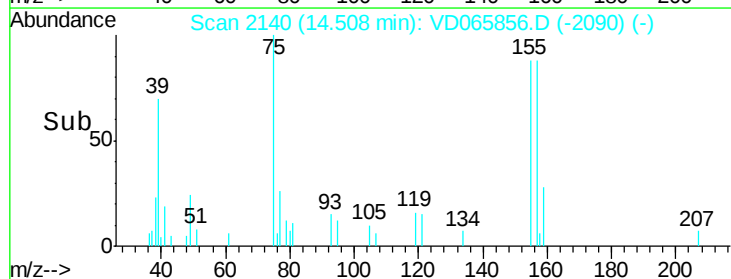
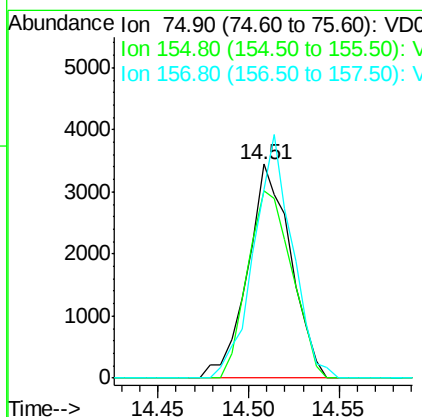
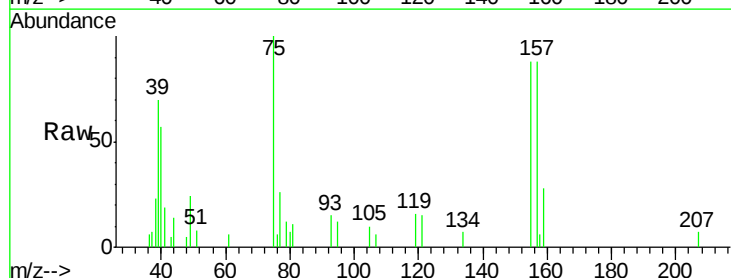
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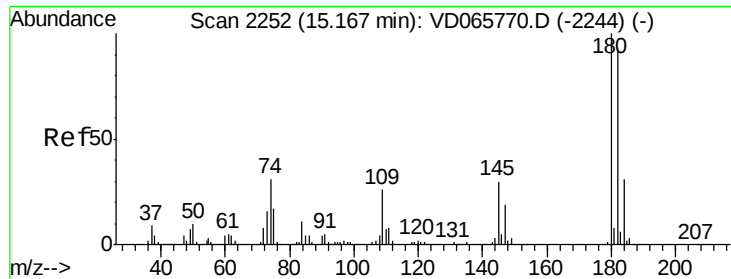
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.777 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD065856.D
 Acq: 23 Jun 2020 13:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.5	46.3	138.9
157	101.5	58.1	174.3





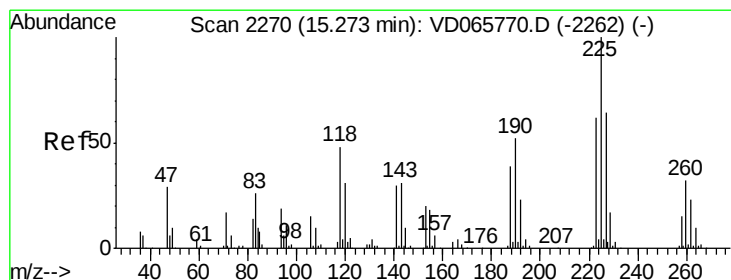
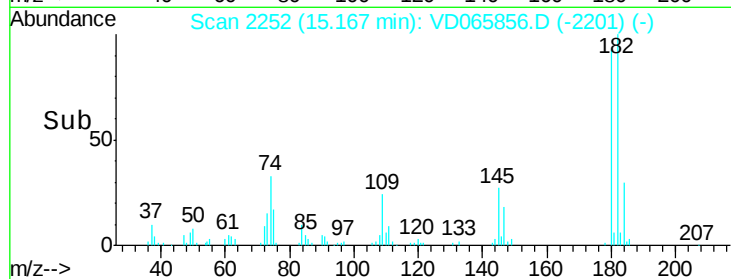
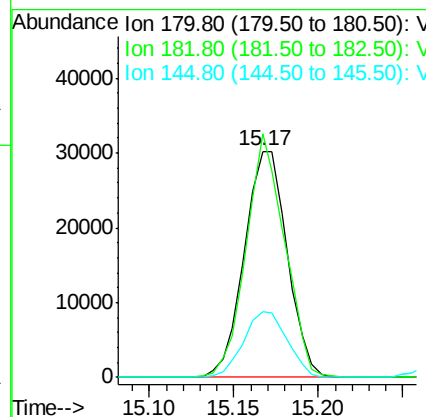
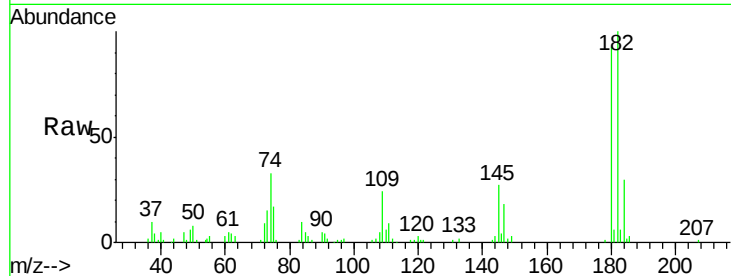
#93
 1,2,4-Trichlorobenzene
 Concen: 21.172 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD065856.D
 Acq: 23 Jun 2020 13:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.0	144.2
145	29.4	14.9	44.9

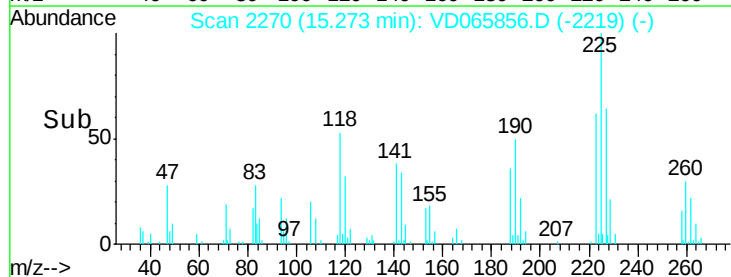
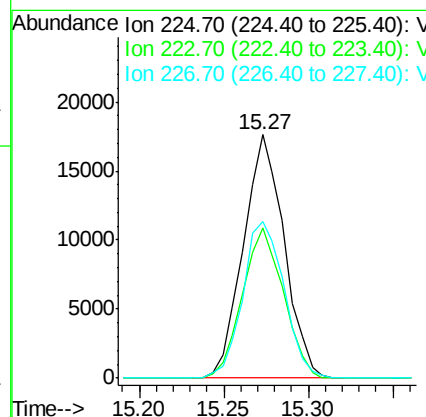
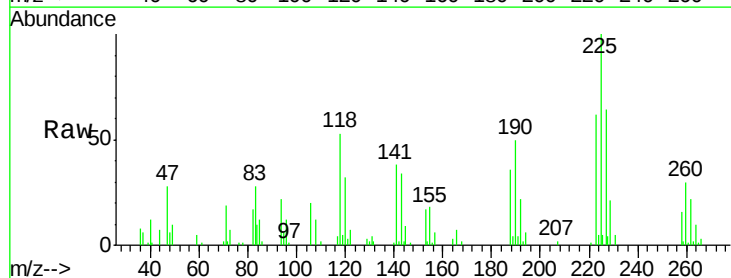
Manual Integrations
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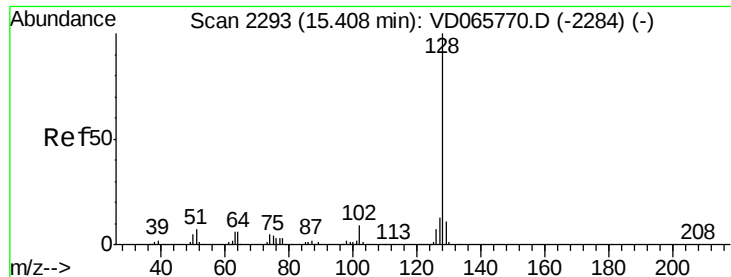
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#94
 Hexachlorobutadiene
 Concen: 19.313 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD065856.D
 Acq: 23 Jun 2020 13:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	30.9	92.7
227	64.8	31.9	95.7





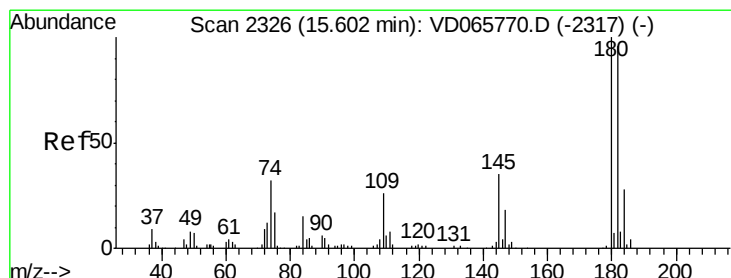
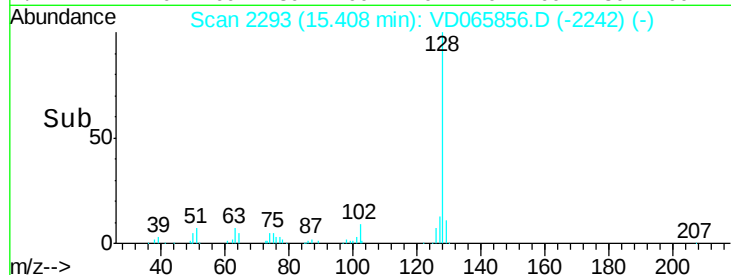
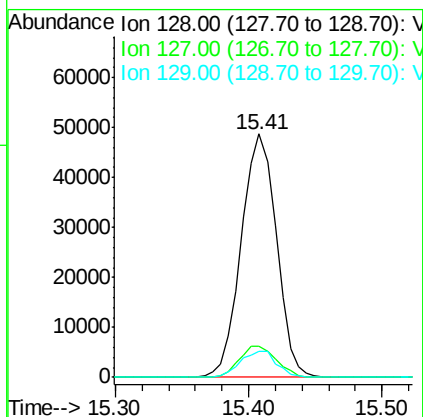
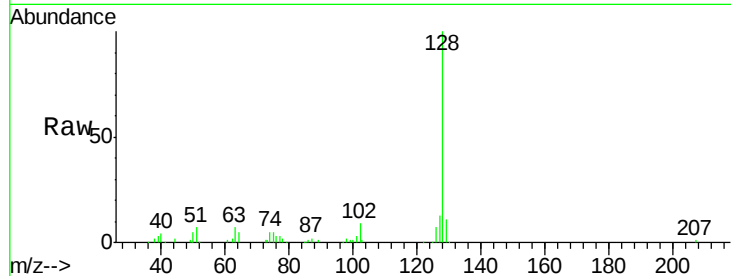
#95
Naphthalene
Concen: 20.752 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD065856.D
Acq: 23 Jun 2020 13:25

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.7	16.1
129	11.1	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.048 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD065856.D
Acq: 23 Jun 2020 13:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.0	141.2#
145	31.1	16.2	48.6

