

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060820\
 Data File : VD065778.D
 Acq On : 08 Jun 2020 14:08
 Operator : VA/SY
 Sample : VD0608SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/9/2020 2:50:43 PM

Quant Time: Jun 09 06:58:40 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	221976	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	350174	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	318865	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	157848	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	113861	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
35) Dibromofluoromethane	7.91	113	114951	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
50) Toluene-d8	10.34	98	437244	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	
62) 4-Bromofluorobenzene	12.64	95	144696	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	39407	24.373	ug/l	94
3) Chloromethane	2.21	50	61926	21.652	ug/l	100
4) Vinyl Chloride	2.35	62	71583	21.858	ug/l	97
5) Bromomethane	2.76	94	49190	21.477	ug/l	89
6) Chloroethane	2.93	64	46387	20.948	ug/l	97
7) Trichlorofluoromethane	3.27	101	79675	21.473	ug/l	98
8) Diethyl Ether	3.71	74	19732	20.227	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	46039	20.808	ug/l	99
10) Methyl Iodide	4.30	142	44899	20.840	ug/l	98
11) Tert butyl alcohol	5.22	59	16086	111.064	ug/l #	74
12) 1,1-Dichloroethene	4.06	96	43358	21.501	ug/l	94
13) Acrolein	3.93	56	11395	92.491	ug/l	92
14) Allyl chloride	4.72	41	70446	21.136	ug/l	99
15) Acrylonitrile	5.43	53	42887	96.795	ug/l	96
16) Acetone	4.16	43	41328	99.886	ug/l	95
17) Carbon Disulfide	4.41	76	144459	21.344	ug/l	100
18) Methyl Acetate	4.71	43	19151	18.212	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	92024	20.147	ug/l	100
20) Methylene Chloride	4.97	84	52344	21.265	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	50360	21.324	ug/l	93
22) Diisopropyl ether	6.36	45	138623	20.585	ug/l	91
23) Vinyl Acetate	6.30	43	390579	102.709	ug/l	99
24) 1,1-Dichloroethane	6.27	63	84922	20.697	ug/l	98
25) 2-Butanone	7.22	43	55429	97.004	ug/l	97
26) 2,2-Dichloropropane	7.21	77	75108	20.644	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	52172	20.537	ug/l	98
28) Bromochloromethane	7.55	49	31740	20.028	ug/l	97
29) Tetrahydrofuran	7.56	42	35715	98.894	ug/l	97
30) Chloroform	7.71	83	88440	20.795	ug/l	99
31) Cyclohexane	7.99	56	81617	20.749	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	79190	20.250	ug/l	97
36) 1,1-Dichloropropene	8.11	75	70965	21.156	ug/l	99
37) Ethyl Acetate	7.30	43	26868	20.335	ug/l	98
38) Carbon Tetrachloride	8.10	117	72346	20.493	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	83087	20.921	ug/l	99
40) Benzene	8.35	78	189528	20.667	ug/l	97
41) Methacrylonitrile	7.54	41	14930m	18.977	ug/l	
42) 1,2-Dichloroethane	8.43	62	55614	20.099	ug/l	99
43) Isopropyl Acetate	8.46	43	51431	19.575	ug/l	99
44) Trichloroethene	9.11	130	53203	20.847	ug/l	98
45) 1,2-Dichloropropane	9.39	63	46545	20.200	ug/l	96
46) Dibromomethane	9.48	93	24404	19.528	ug/l	97
47) Bromodichloromethane	9.66	83	67241	20.079	ug/l #	98
48) Methyl methacrylate	9.46	41	23240	18.274	ug/l	93
49) 1,4-Dioxane	9.47	88	5148	387.028	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	122413	95.083	ug/l	97
52) Toluene	10.40	92	122886	20.623	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	61173	20.173	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	73626	20.558	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	34560	20.697	ug/l	96
56) Ethyl methacrylate	10.66	69	37716	19.204	ug/l	95
57) 1,3-Dichloropropane	10.95	76	57401	19.842	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	91102	99.773	ug/l	98
59) 2-Hexanone	10.98	43	84201	97.009	ug/l	99
60) Dibromochloromethane	11.14	129	43449	19.262	ug/l	99
61) 1,2-Dibromoethane	11.25	107	33457	20.388	ug/l	96
64) Tetrachloroethene	10.88	164	44895	20.822	ug/l	99
65) Chlorobenzene	11.67	112	130113	20.902	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	47221	20.350	ug/l	99
67) Ethyl Benzene	11.75	91	231491	20.817	ug/l	98
68) m/p-Xylenes	11.86	106	177287	41.389	ug/l	98
69) o-Xylene	12.18	106	80379	20.812	ug/l	98
70) Styrene	12.20	104	141999	21.239	ug/l	99
71) Bromoform	12.36	173	24511	19.183	ug/l #	97
73) Isopropylbenzene	12.48	105	224959	21.256	ug/l	98
74) N-amyl acetate	12.29	43	46343	19.683	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	34911	19.533	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	29492m	24.024	ug/l	
77) Bromobenzene	12.77	156	51571	20.596	ug/l	97
78) n-propylbenzene	12.83	91	271000	21.273	ug/l	99
79) 2-Chlorotoluene	12.91	91	149223	21.353	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	185957	21.115	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	10770	18.956	ug/l	96
82) 4-Chlorotoluene	13.01	91	158818	21.172	ug/l	99
83) tert-Butylbenzene	13.23	119	163277	21.367	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	186198	21.123	ug/l	98
85) sec-Butylbenzene	13.41	105	227509	21.393	ug/l	99
86) p-Isopropyltoluene	13.52	119	207842	21.323	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	102349	20.730	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	101648	20.697	ug/l	97
89) n-Butylbenzene	13.85	91	199357	21.445	ug/l	99
90) Hexachloroethane	14.12	117	40153	20.580	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	88259	20.772	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5499	18.487	ug/l	98

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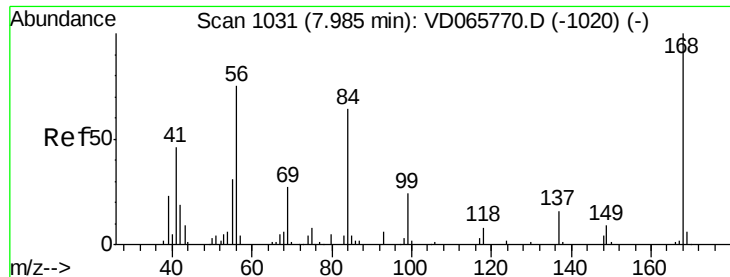
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	58816	20.358	ug/l	99
94) Hexachlorobutadiene	15.27	225	33683	19.286	ug/l	97
95) Naphthalene	15.41	128	97646	19.953	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	50785	20.410	ug/l	99

(#) = 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: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBSD01

Tot Ion:168 Resp: 221976

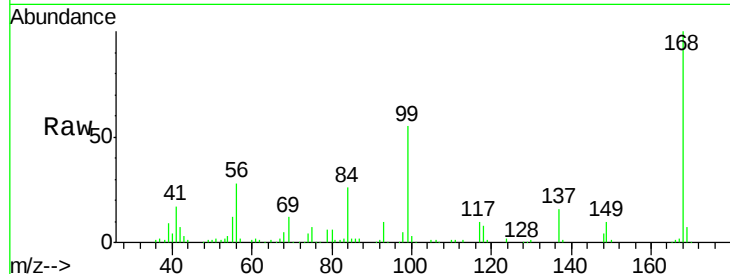
Ion Ratio Lower Upper

168 100

99 54.6 45.3 67.9

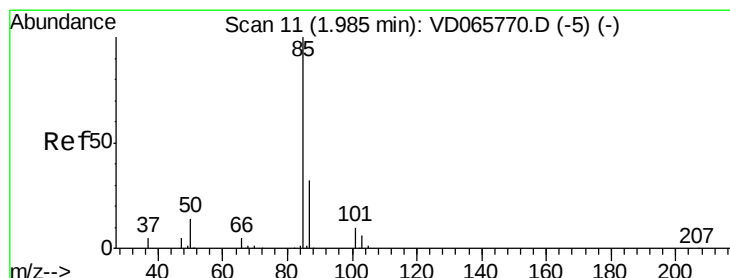
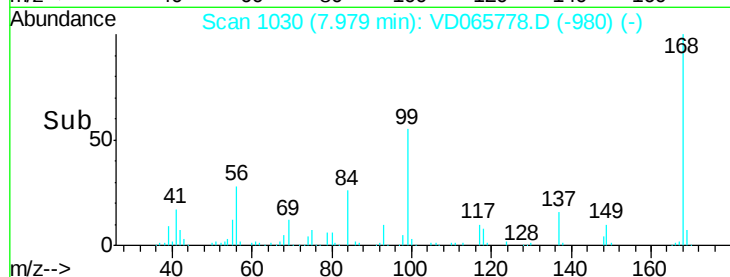
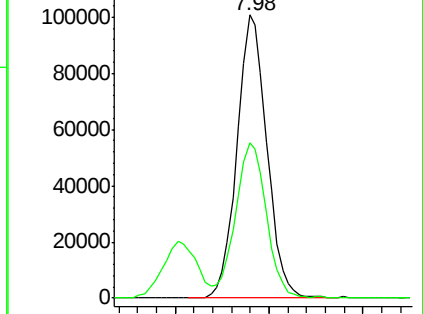
Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 24.373 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065778.D

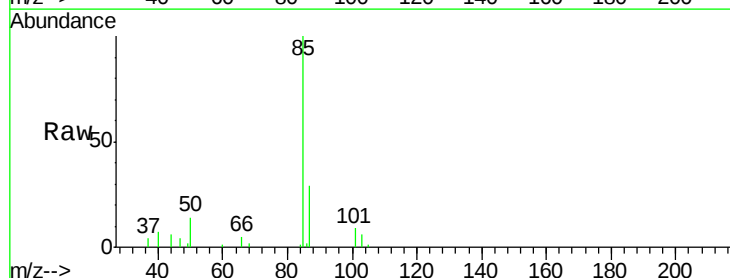
Acq: 08 Jun 2020 14:08

Tgt Ion: 85 Resp: 39407

Ion Ratio Lower Upper

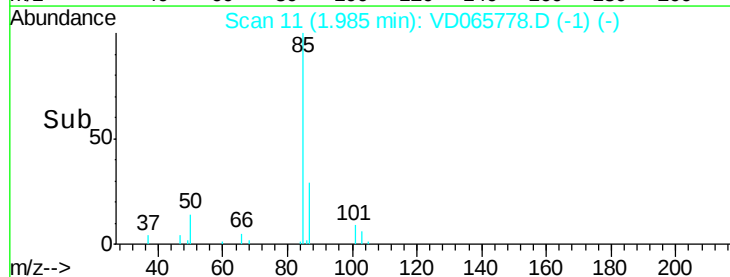
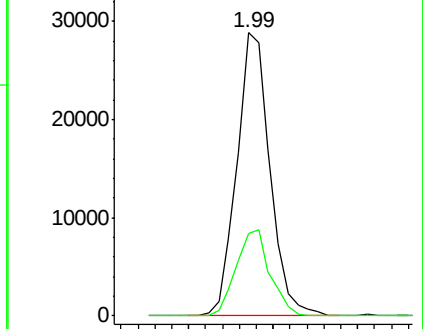
85 100

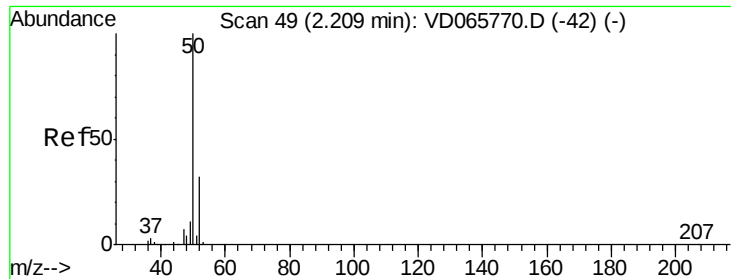
87 29.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.652 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBSD01

Tot Ion: 50 Resp: 61926

Ion Ratio Lower Upper

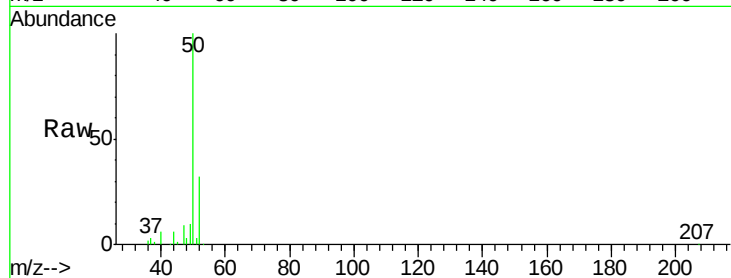
50 100

52 31.8 25.6 38.4

Manual Integrations
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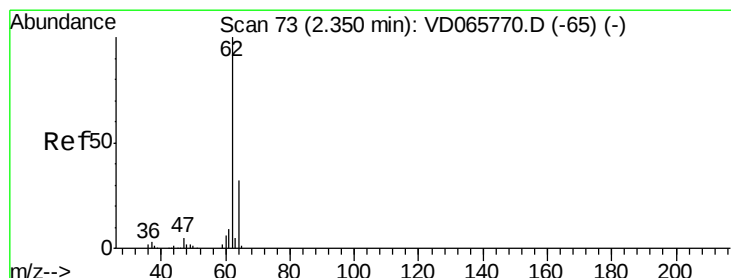
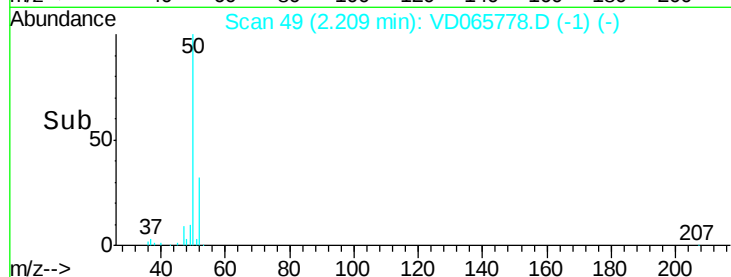
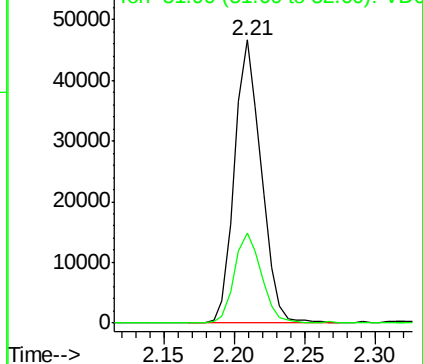
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.858 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065778.D

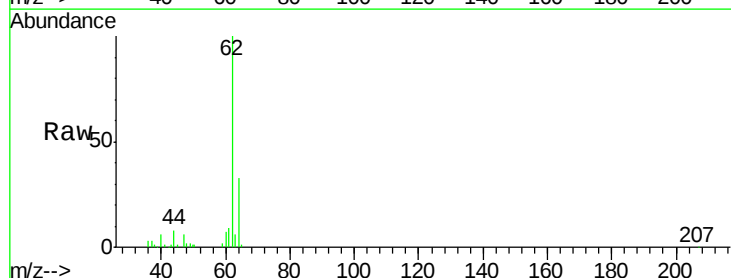
Acq: 08 Jun 2020 14:08

Tgt Ion: 62 Resp: 71583

Ion Ratio Lower Upper

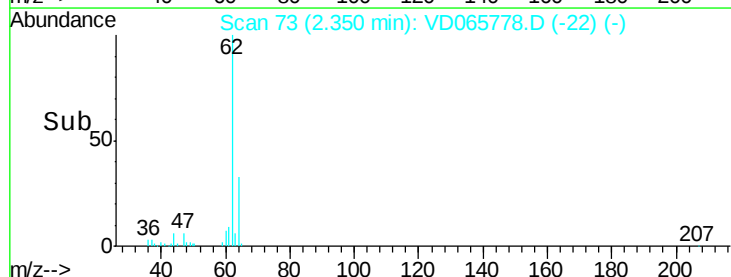
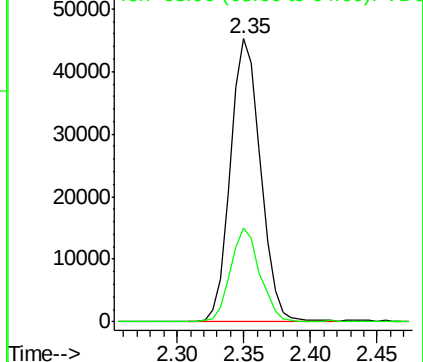
62 100

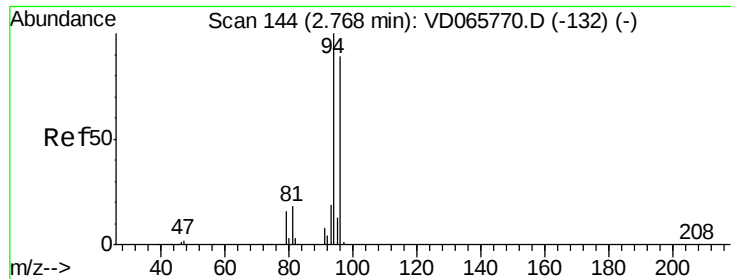
64 33.2 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.477 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBSD01

Tot Ion: 94 Resp: 49190

Ion Ratio Lower Upper

94 100

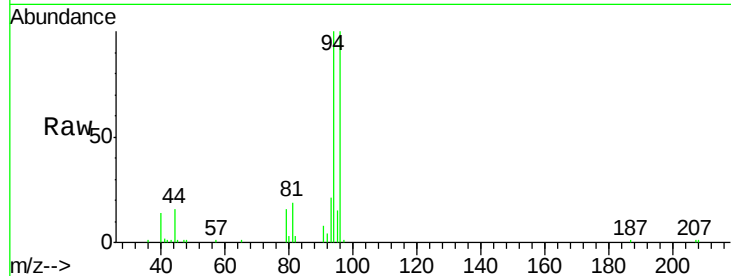
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Manual Integrations

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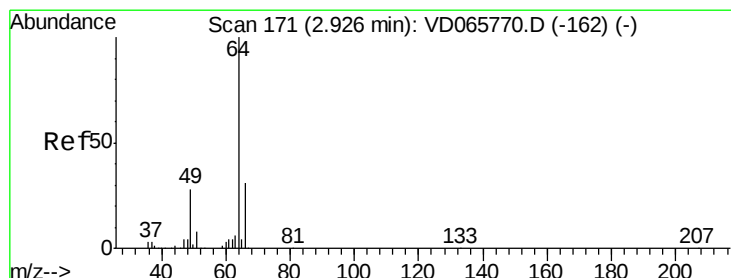
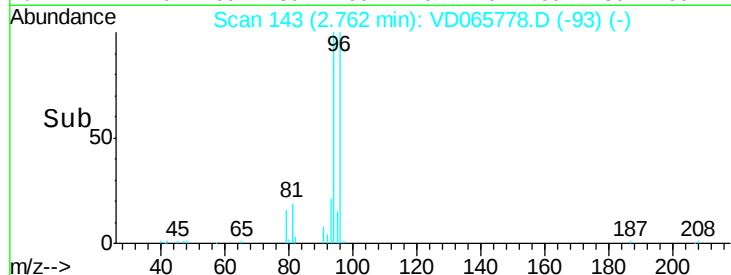
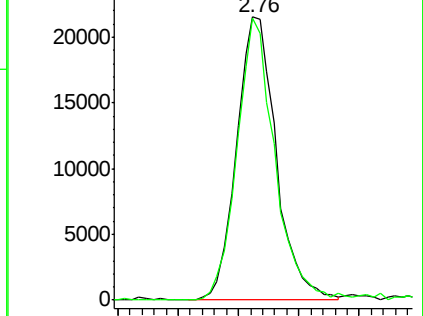
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.948 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065778.D

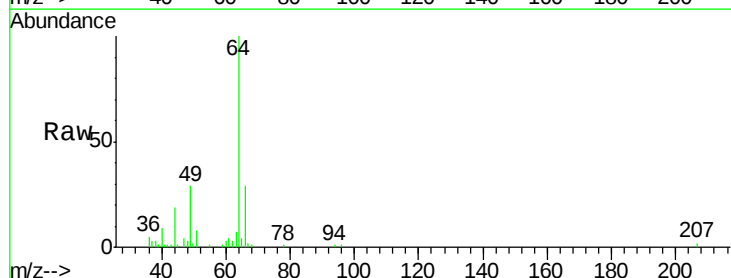
Acq: 08 Jun 2020 14:08

Tgt Ion: 64 Resp: 46387

Ion Ratio Lower Upper

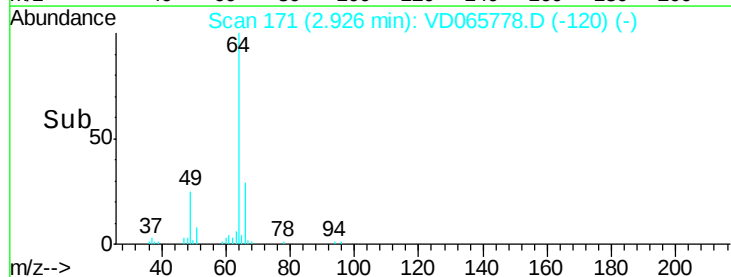
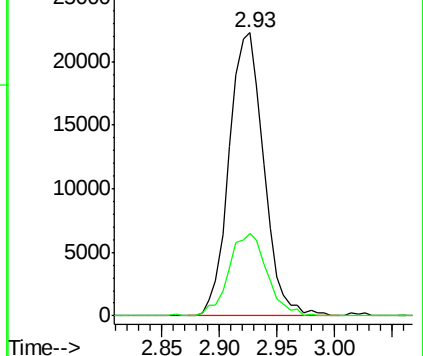
64 100

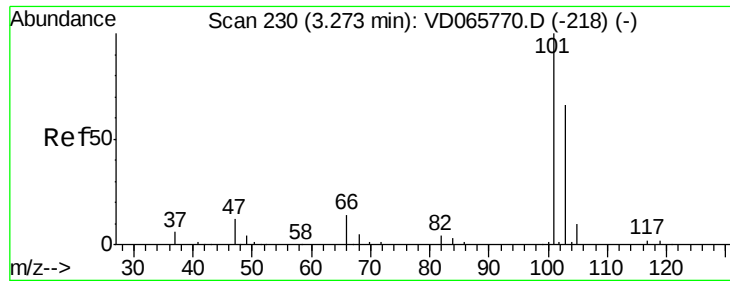
66 28.9 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

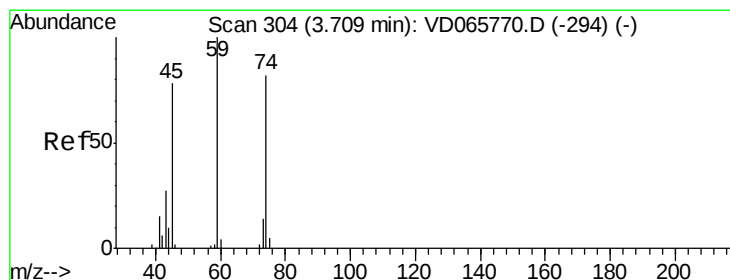
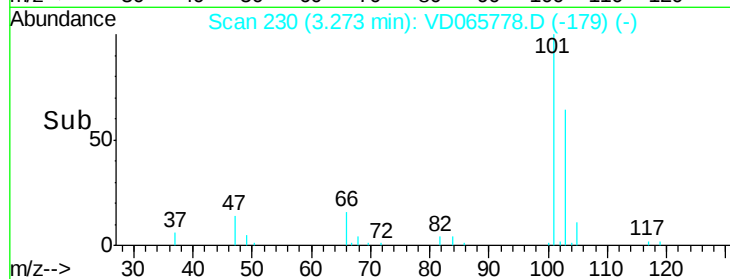
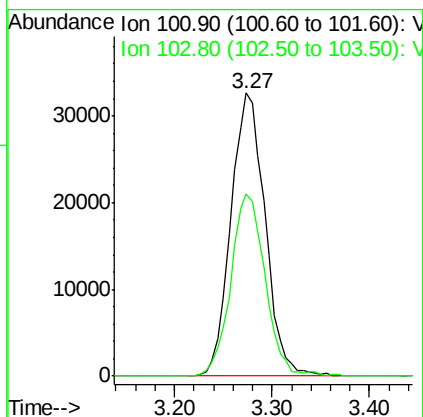
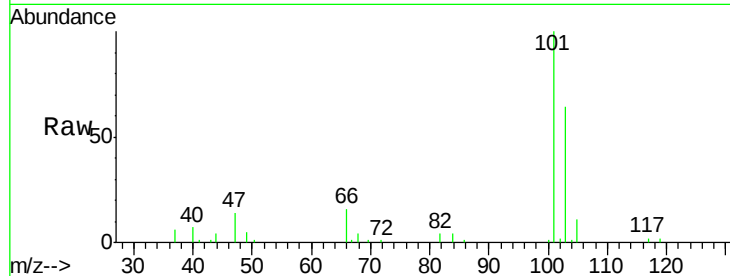
Trichlorofluoromethane
Concen: 21.473 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Instrument :
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VD0608SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	53.1	79.7

Manual Integrations
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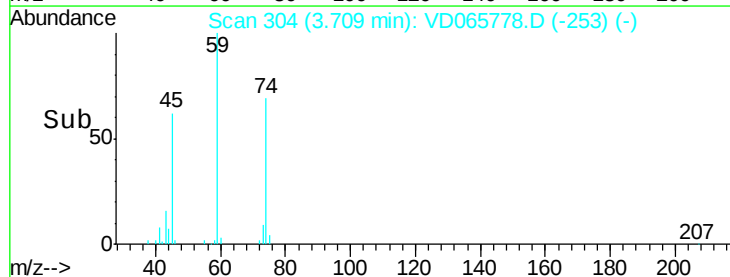
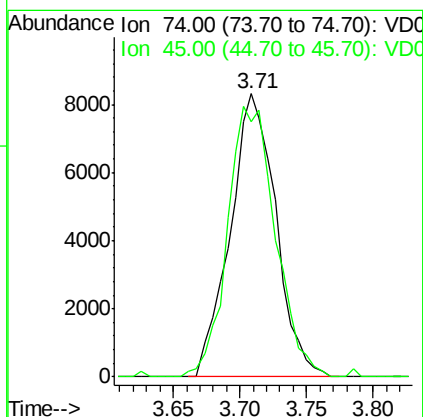
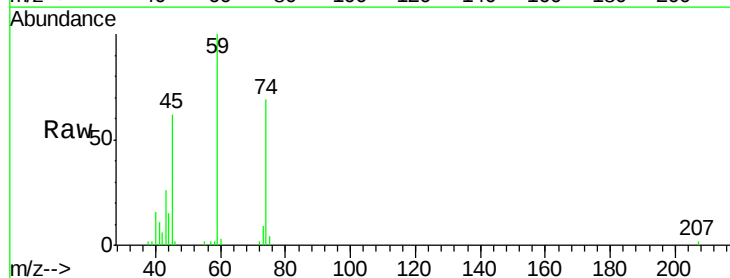
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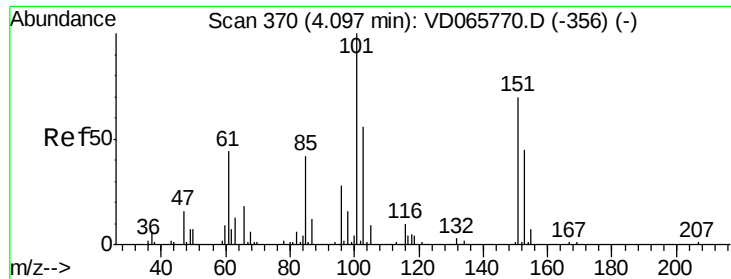


#8

Diethyl Ether
Concen: 20.227 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.5	47.9	143.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.808 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD065778.D

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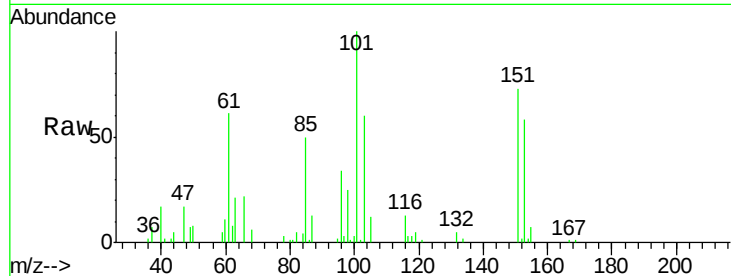
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VD0608SBSD01

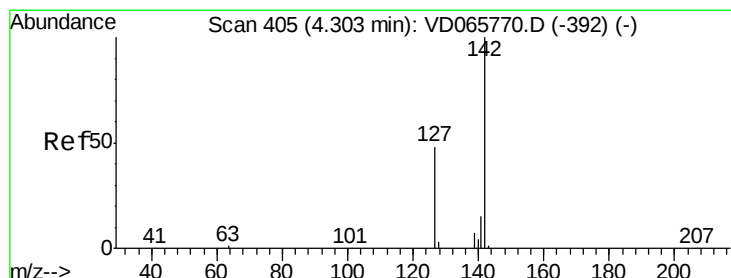
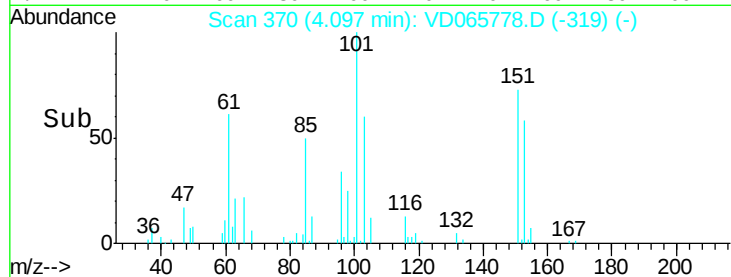
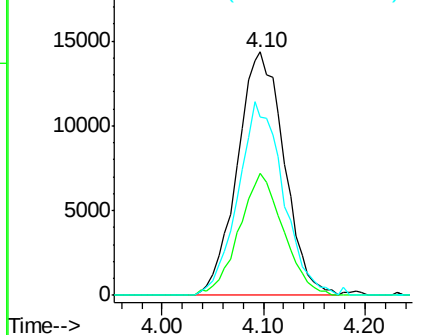
Tot Ion:	101	Resp:	46039
Ion Ratio	Lower	Upper	
101	100		
85	47.3	36.5	54.7
151	76.6	61.8	92.6

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.840 ug/l

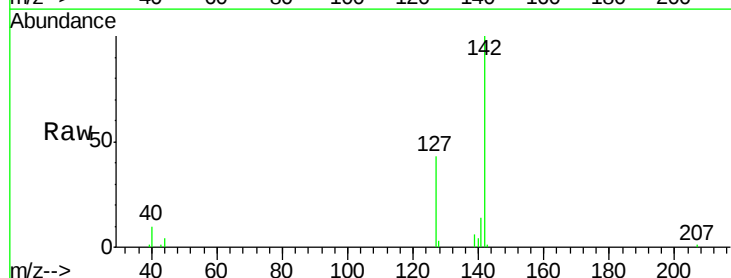
RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

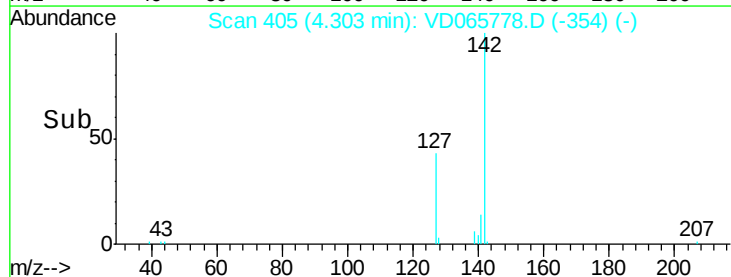
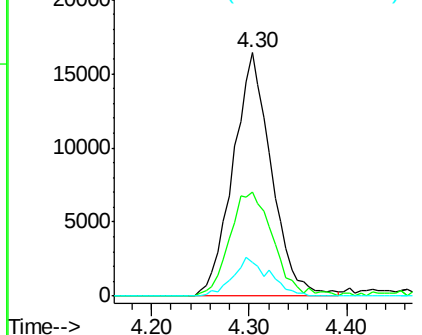
Lab File: VD065778.D

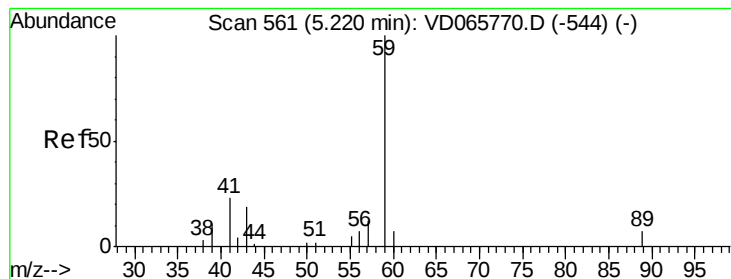
Acq: 08 Jun 2020 14:08

Tgt Ion:	142	Resp:	44899
Ion Ratio	Lower	Upper	
142	100		
127	48.3	37.6	56.4
141	15.1	12.1	18.1



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

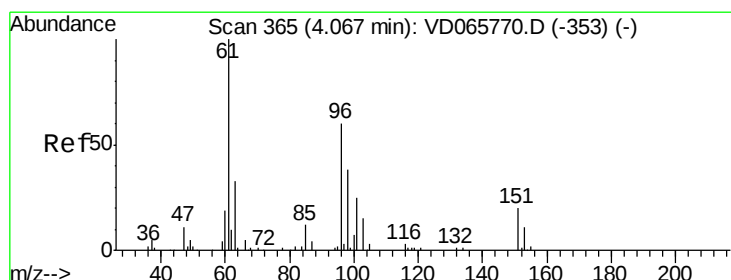
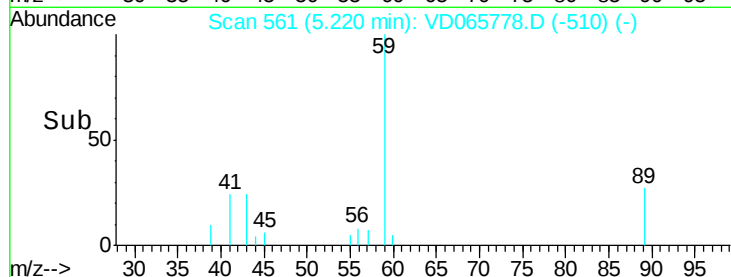
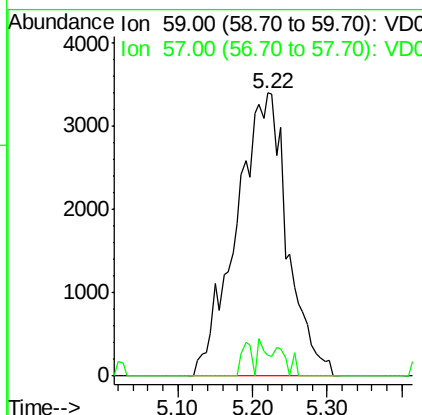
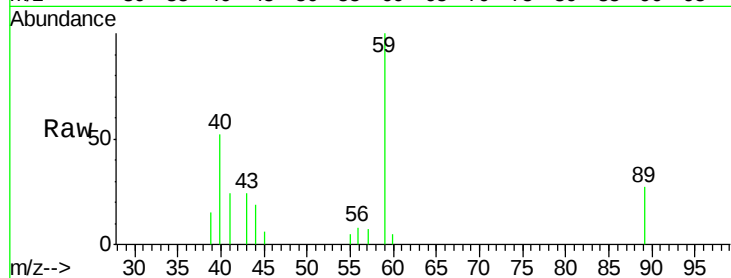
Tert butyl alcohol
 Concen: 111.064 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.5	11.3#

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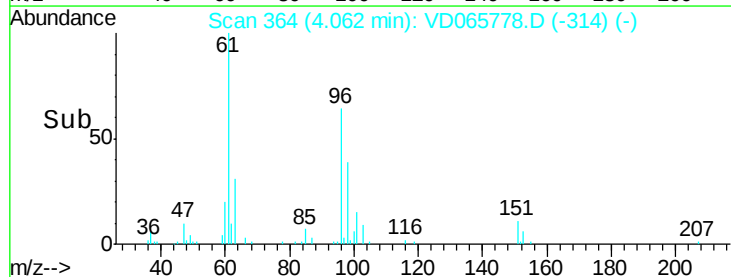
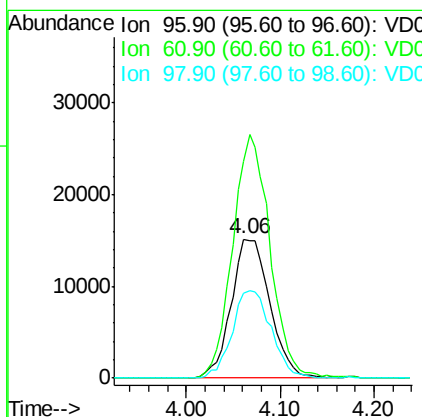
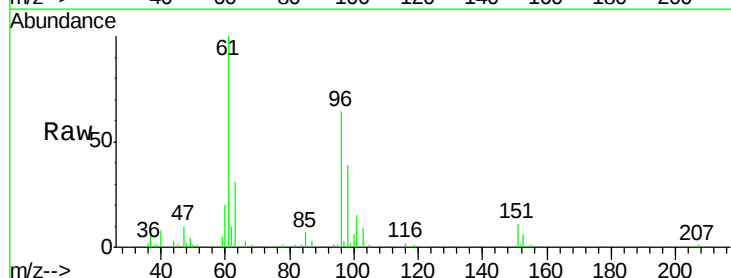
MMDadoda
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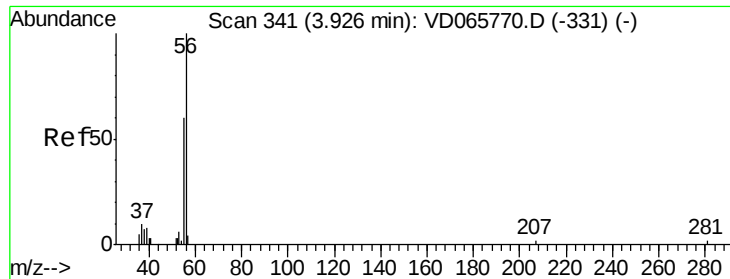


#12

1,1-Dichloroethene
 Concen: 21.501 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.7	132.3	198.5
98	61.0	50.7	76.1





#13

Acrolein

Concen: 92.491 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBSD01

Tot Ion: 56 Resp: 11395

Ion Ratio Lower Upper

56 100

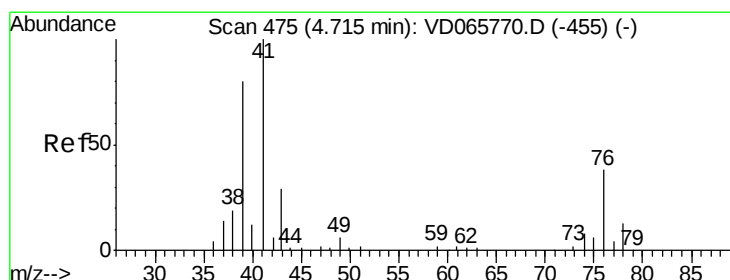
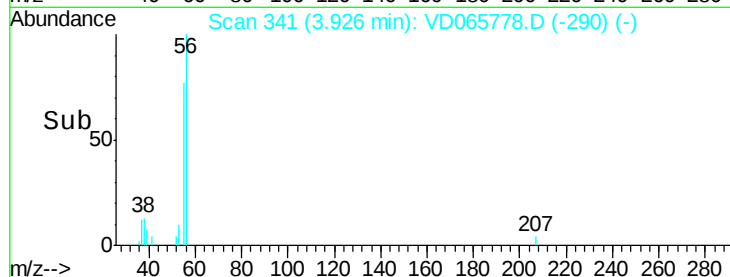
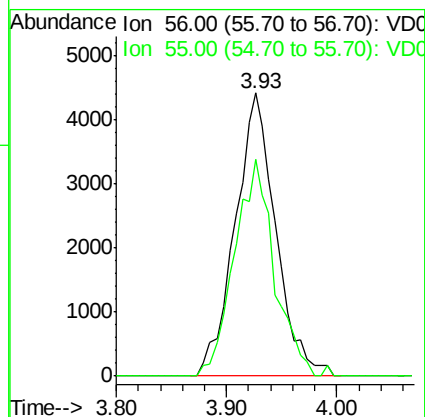
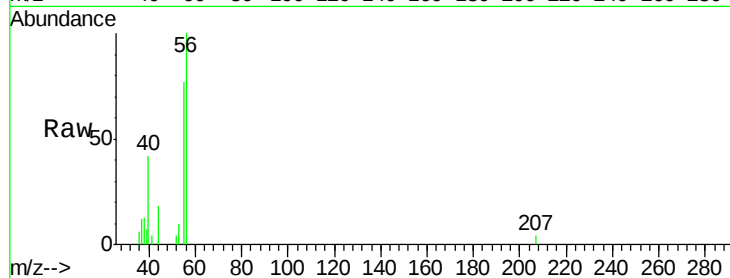
55 75.1 54.8 82.2

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#14

Allyl chloride

Concen: 21.136 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

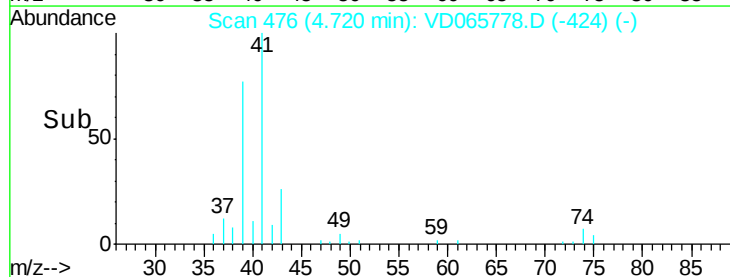
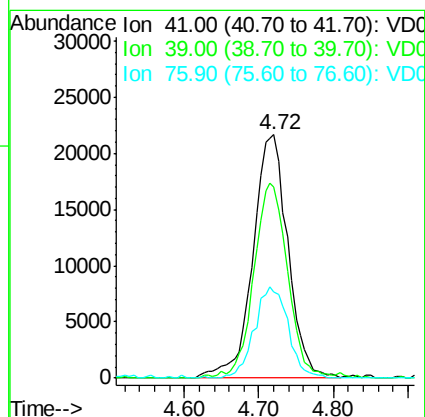
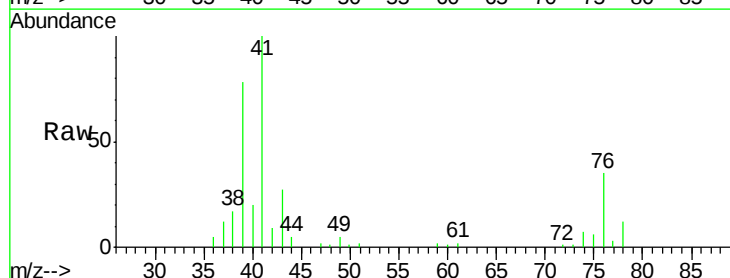
Tgt Ion: 41 Resp: 70446

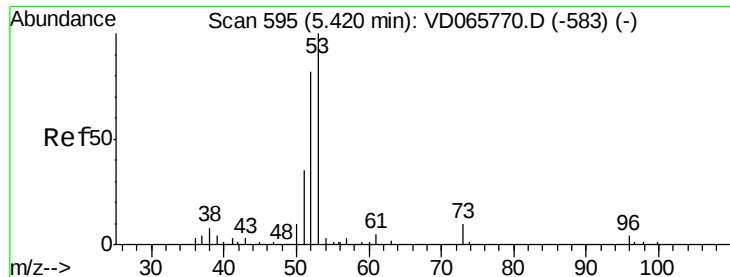
Ion Ratio Lower Upper

41 100

39 77.5 60.9 91.3

76 36.1 28.9 43.3





#15

Acrylonitrile

Concen: 96.795 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

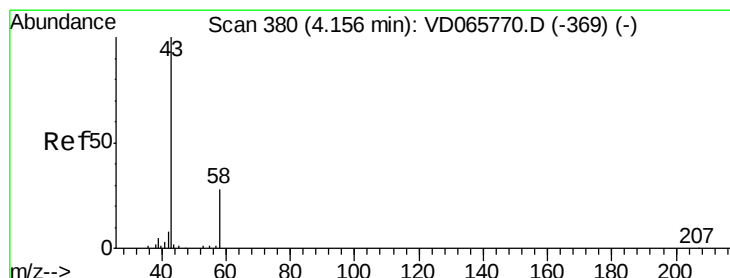
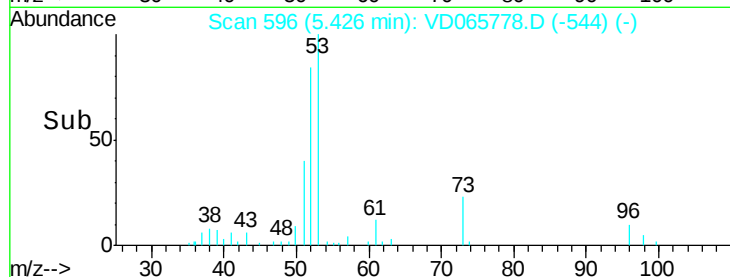
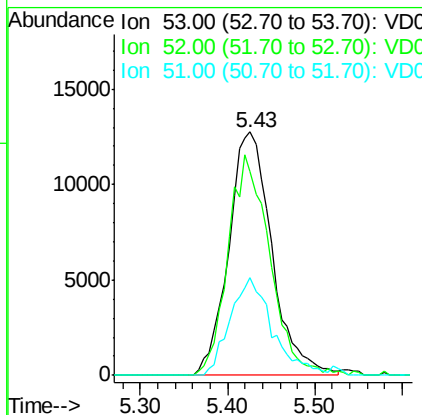
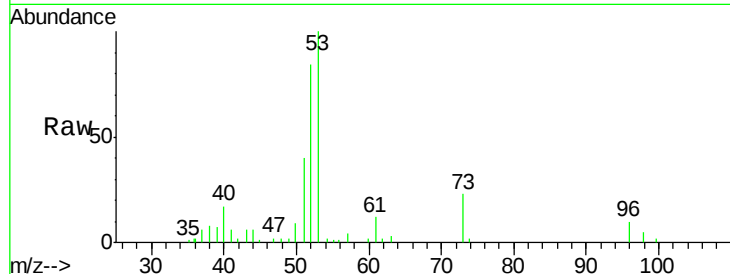
ClientSampleId :

VD0608SBSD01

Tot Ion:	53	Resp:	42887
Ion	Ratio	Lower	Upper
53	100		
52	87.6	66.2	99.2
51	39.5	30.7	46.1

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#16

Acetone

Concen: 99.886 ug/l

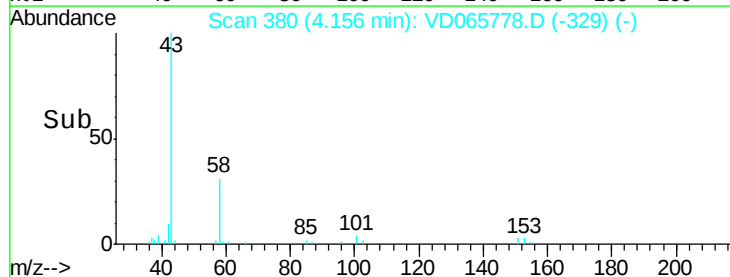
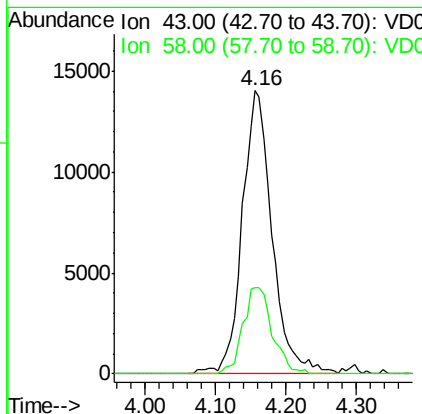
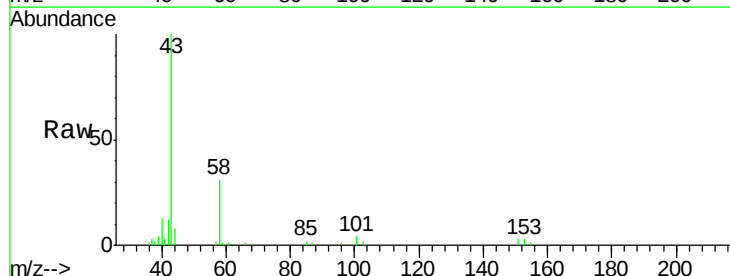
RT: 4.16 min Scan# 380

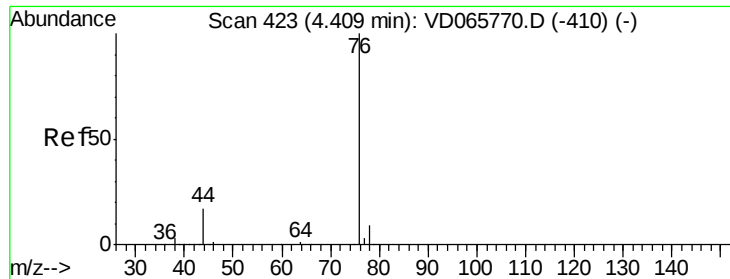
Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Tgt Ion:	43	Resp:	41328
Ion	Ratio	Lower	Upper
43	100		
58	30.6	22.3	33.5





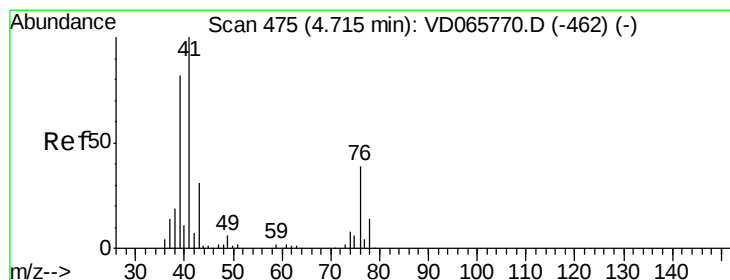
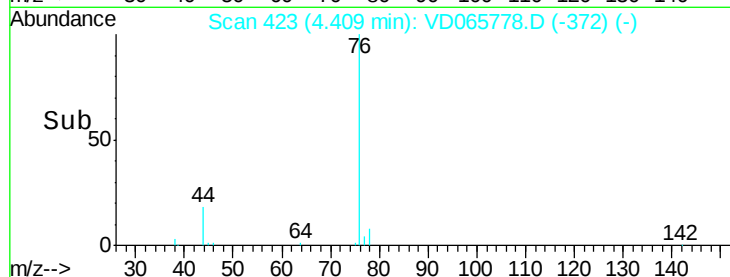
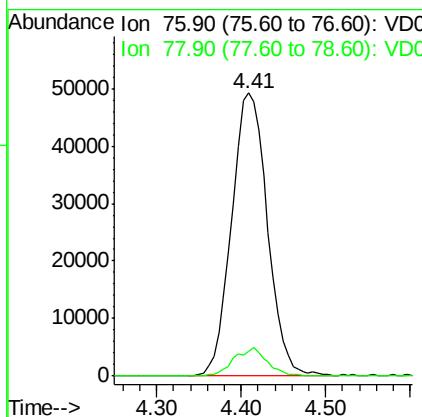
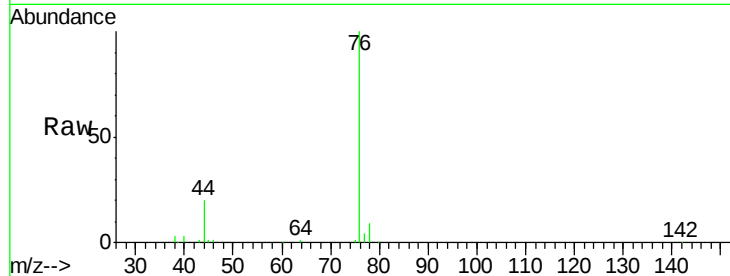
#17
Carbon Disulfide
Concen: 21.344 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7

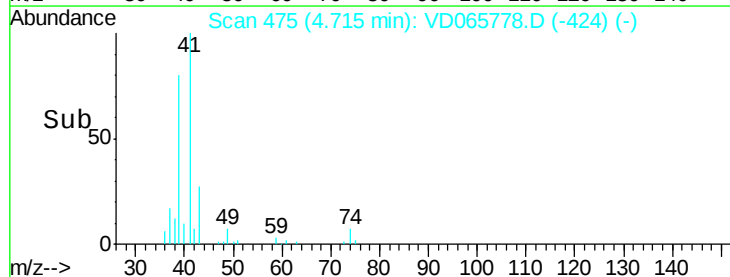
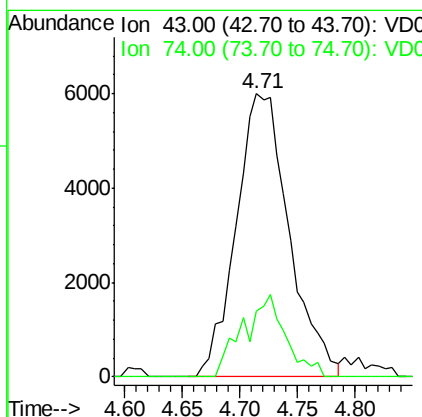
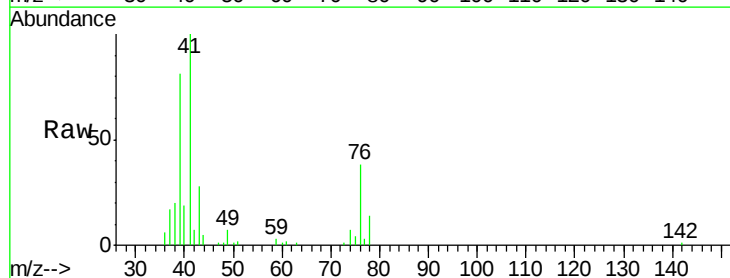
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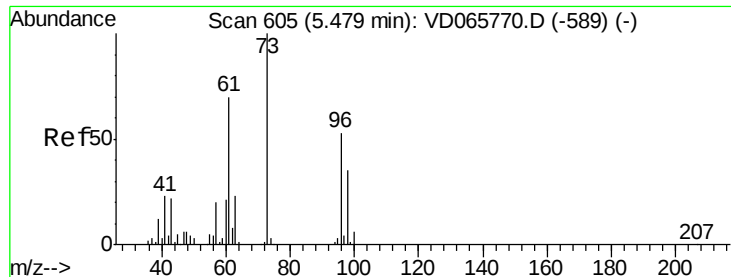
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#18
Methyl Acetate
Concen: 18.212 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	18.7	28.1





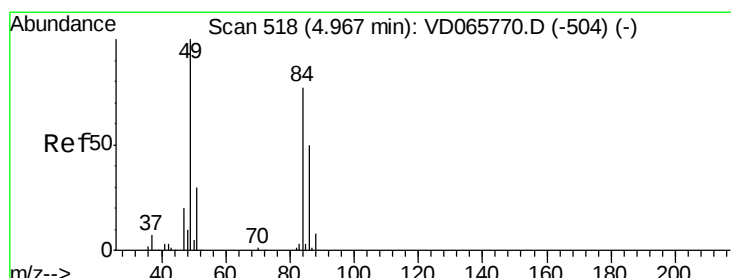
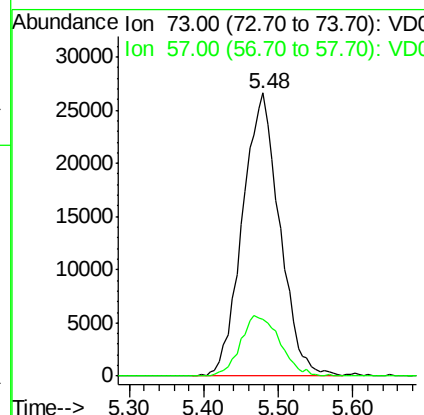
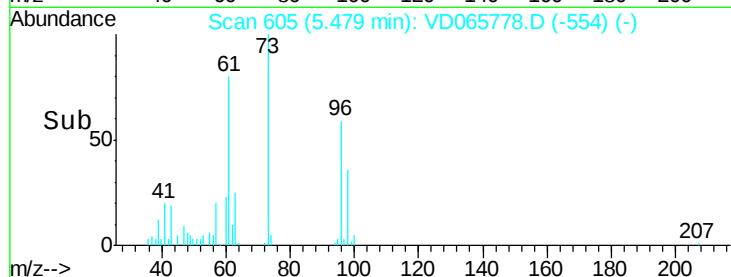
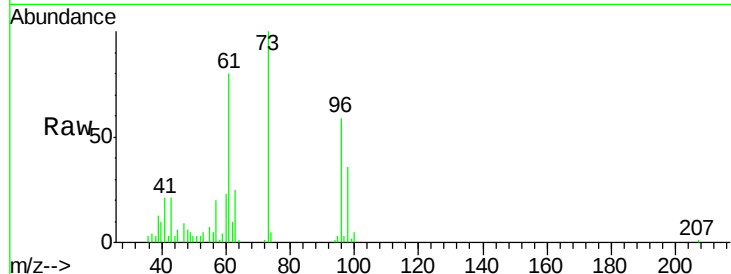
#19
Methvl tert-butvl Ether
Concen: 20.147 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

Tot Ion: 73 Resp: 92024
Ion Ratio Lower Upper
73 100
57 20.2 16.2 24.2

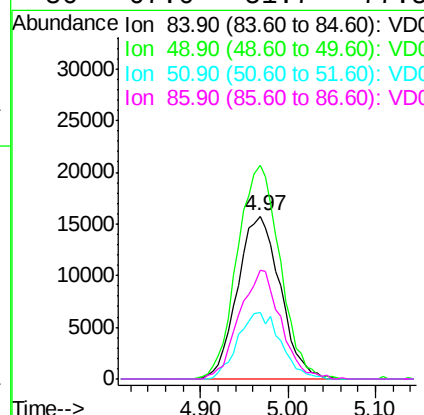
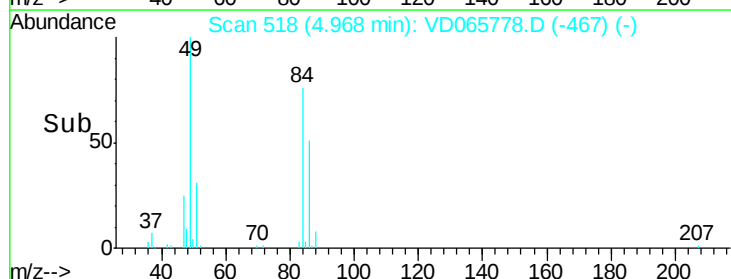
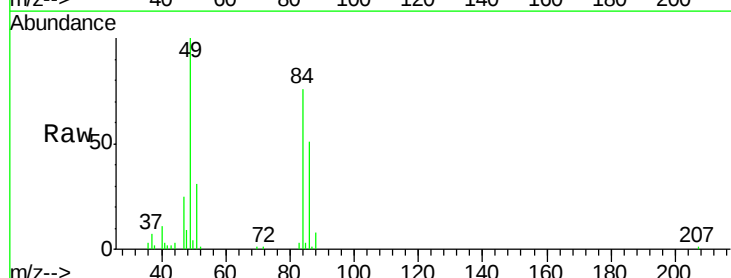
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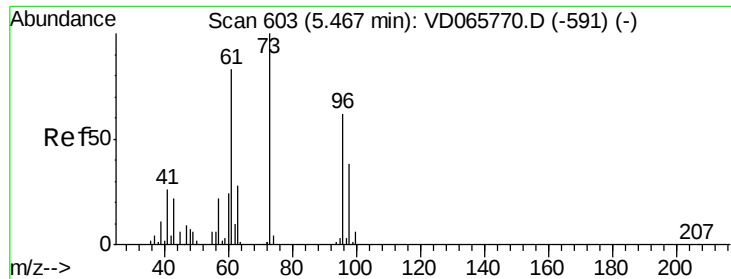
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#20
Methylene Chloride
Concen: 21.265 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Tgt Ion: 84 Resp: 52344
Ion Ratio Lower Upper
84 100
49 131.0 103.4 155.0
51 40.9 31.4 47.2
86 67.0 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 21.324 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

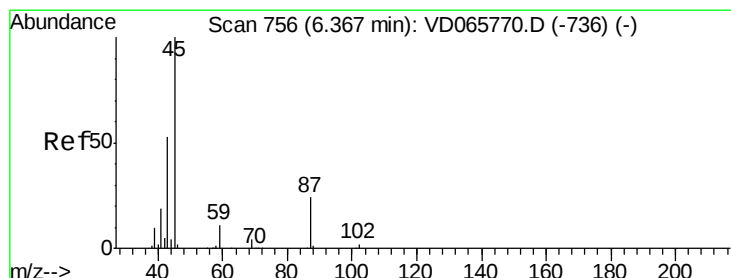
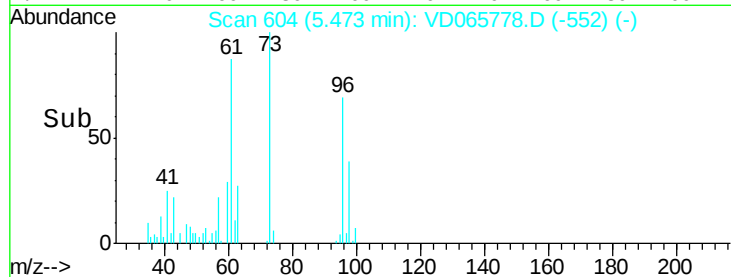
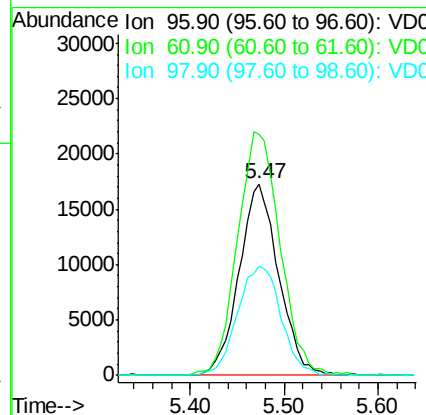
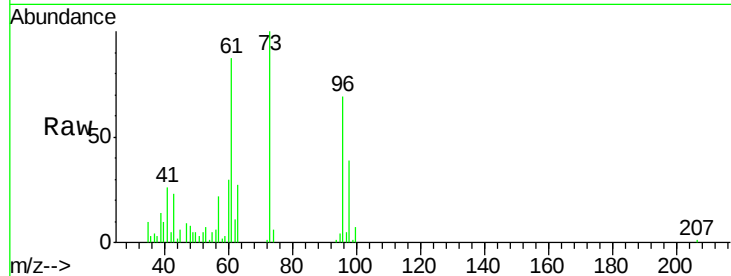
ClientSampleId :

VD0608SBS01

Tot Ion:	96	Resp:	50360
Ion	Ratio	Lower	Upper
96	100		
61	125.2	107.7	161.5
98	57.3	49.3	73.9

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#22

Diisopropyl ether

Concen: 20.585 ug/l

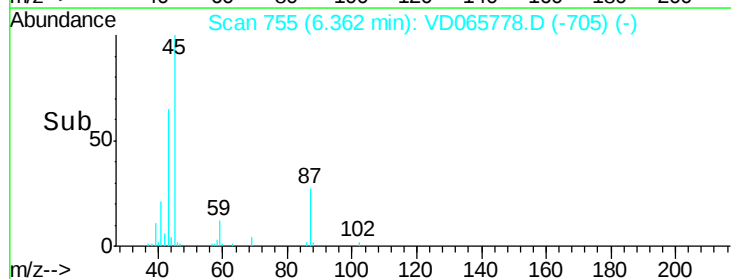
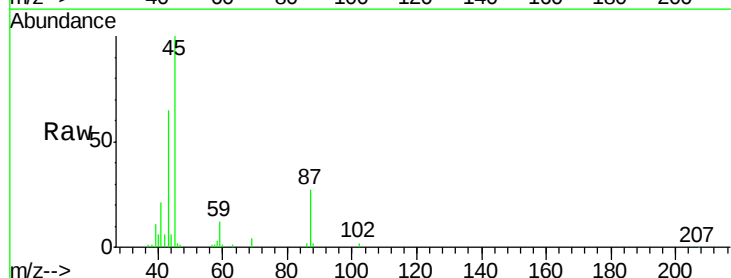
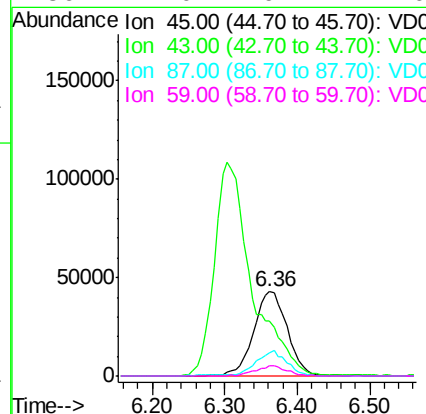
RT: 6.36 min Scan# 755

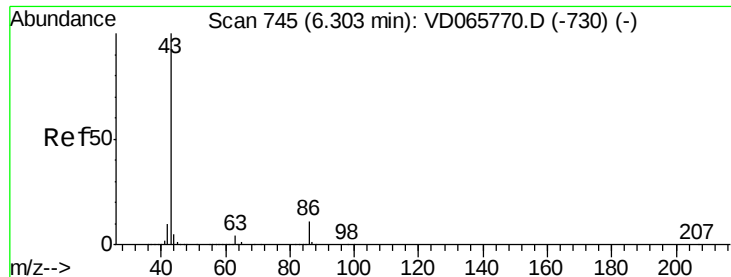
Delta R.T. -0.01 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Tgt Ion:	45	Resp:	138623
Ion	Ratio	Lower	Upper
45	100		
43	64.4	43.4	65.0
87	26.6	20.2	30.4
59	12.0	9.4	14.0





#23

Vinyl Acetate

Concen: 102.709 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS01

Tot Ion: 43 Resp: 390579

Ion Ratio Lower Upper

43 100

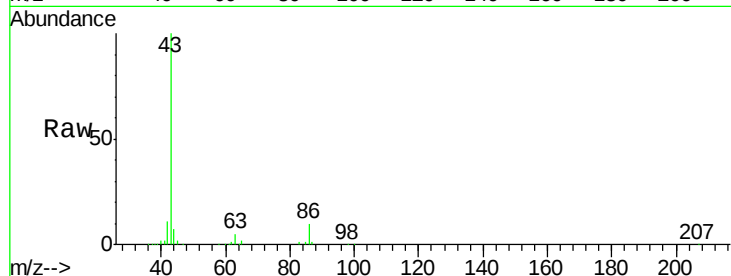
86 10.3 8.5 12.7

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

120000

100000

80000

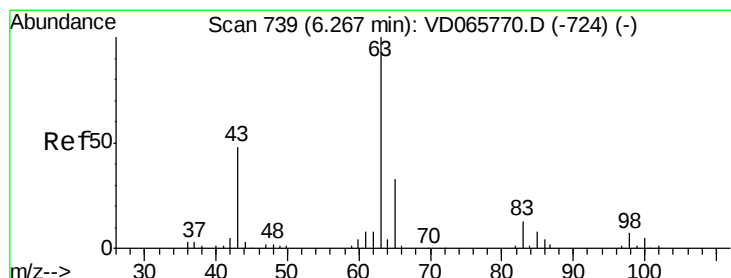
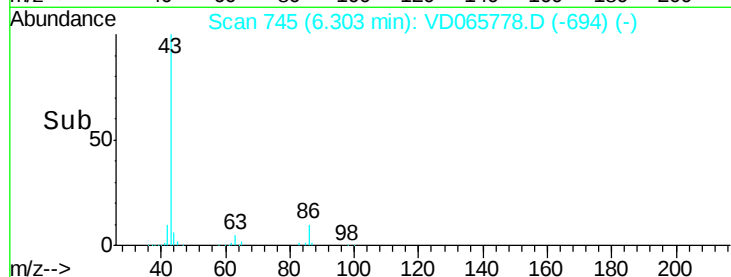
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.697 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

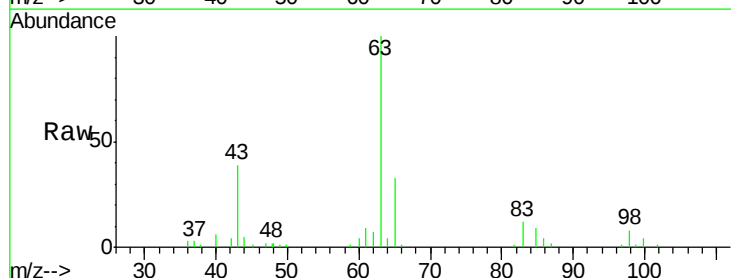
Tgt Ion: 63 Resp: 84922

Ion Ratio Lower Upper

63 100

98 7.7 3.5 10.5

100 4.2 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

40000

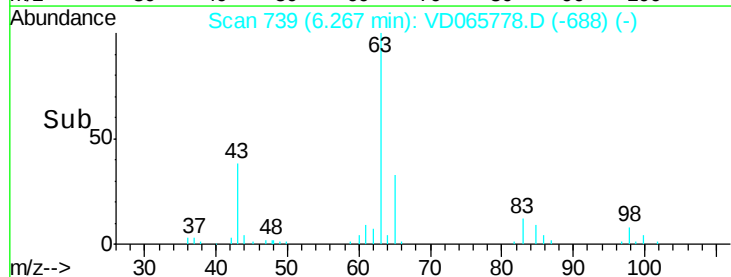
30000

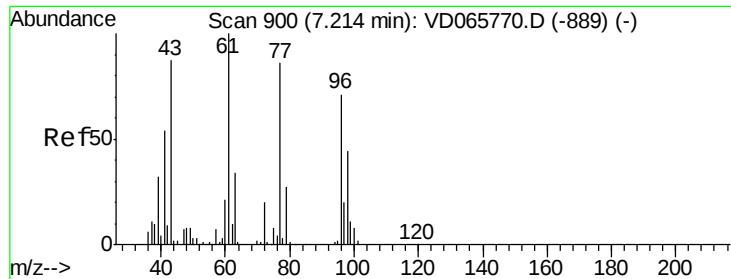
20000

10000

0

Time-->





#25

2-Butanone

Concen: 97.004 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS01

Tot Ion: 43 Resp: 55429

Ion Ratio Lower Upper

43 100

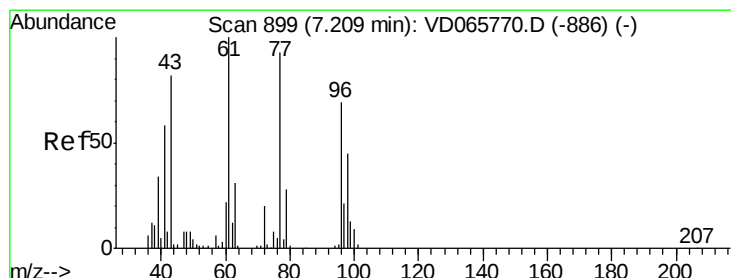
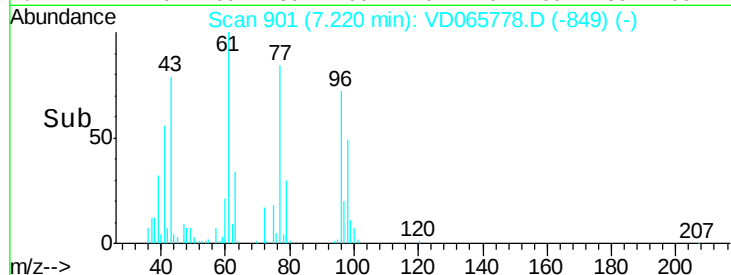
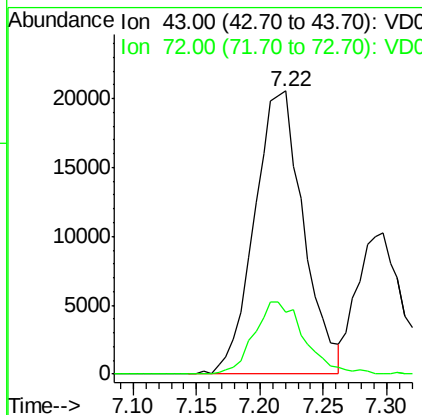
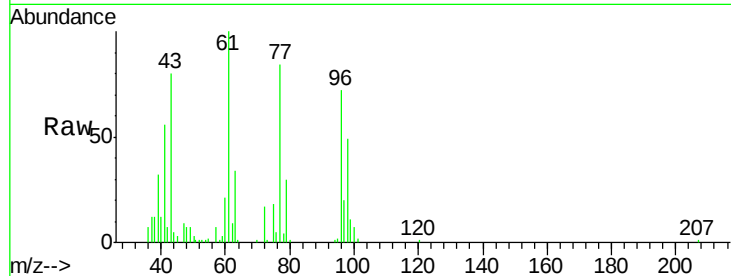
72 21.8 18.5 27.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.644 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065778.D

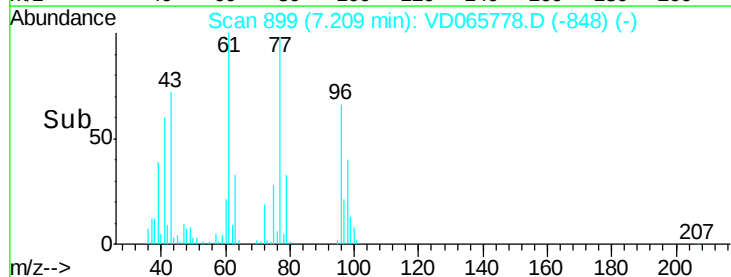
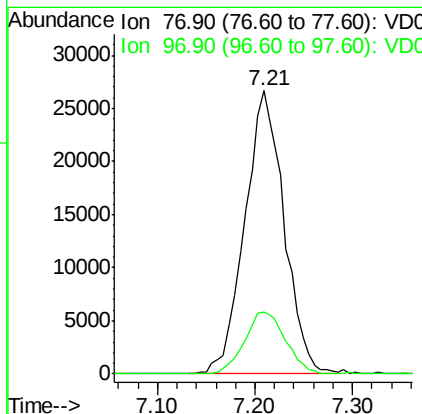
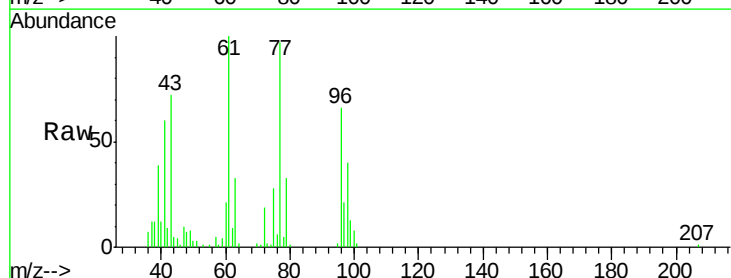
Acq: 08 Jun 2020 14:08

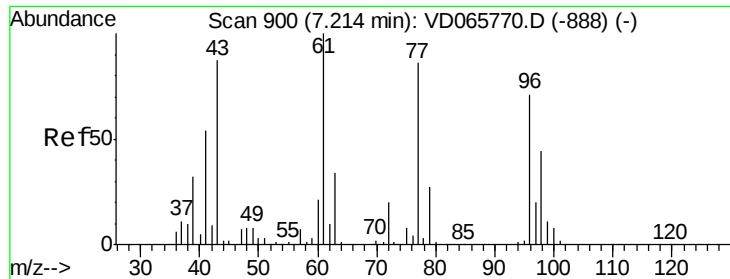
Tgt Ion: 77 Resp: 75108

Ion Ratio Lower Upper

77 100

97 22.7 10.9 32.7





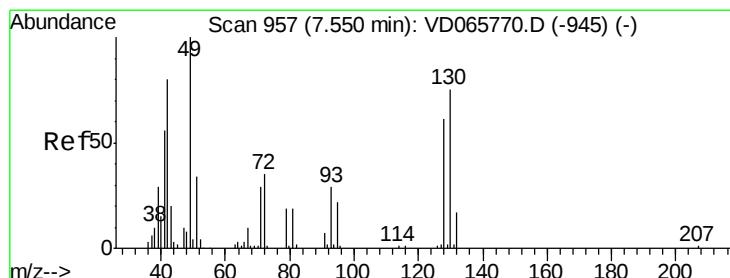
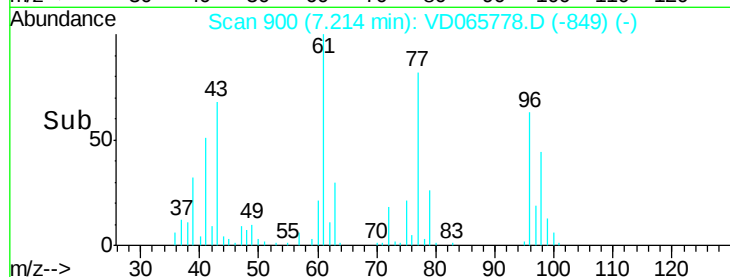
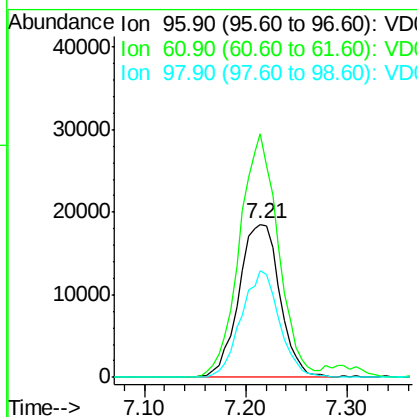
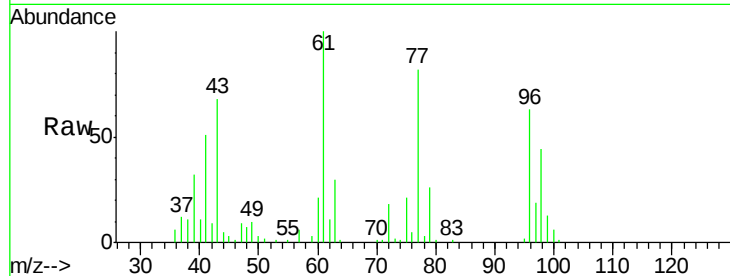
#27
 cis-1,2-Dichloroethene
 Concen: 20.537 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.7	0.0	291.2
98	64.6	0.0	128.8

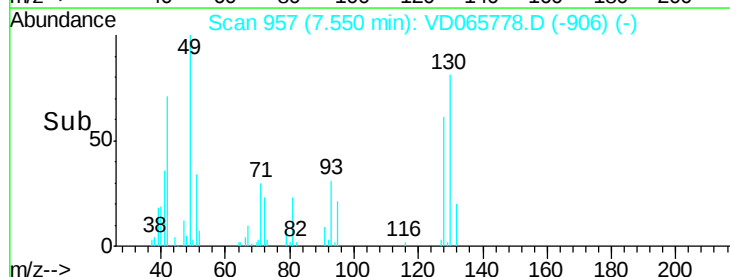
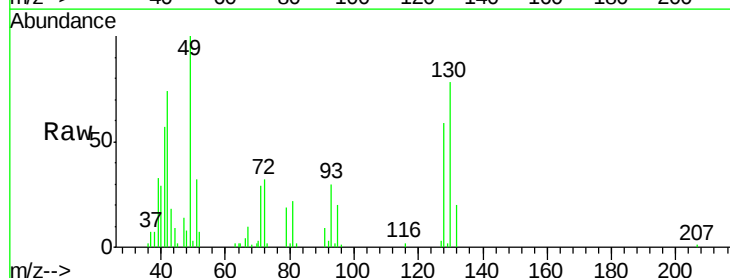
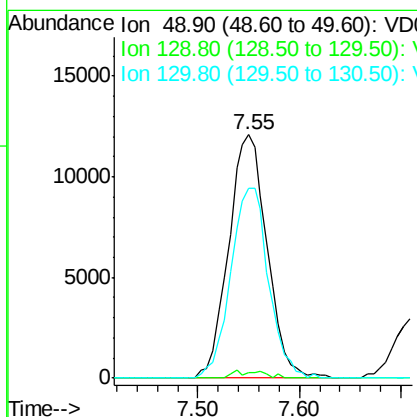
Manual Integrations
 APPROVED

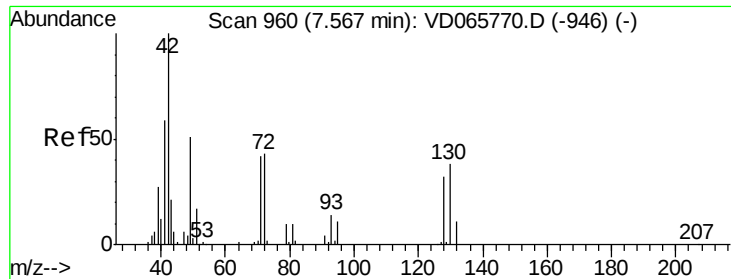
MMDadoda
 6/9/2020 2:50:43 PM



#28
 Bromochloromethane
 Concen: 20.028 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.6
130	77.1	59.5	89.3





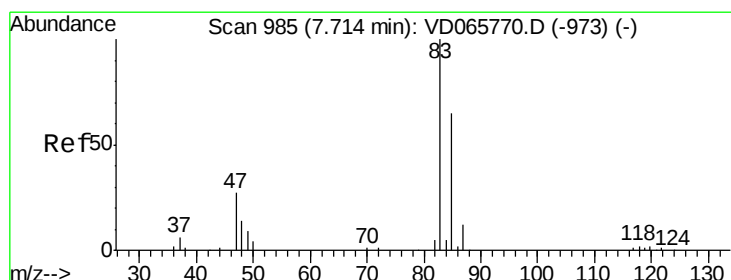
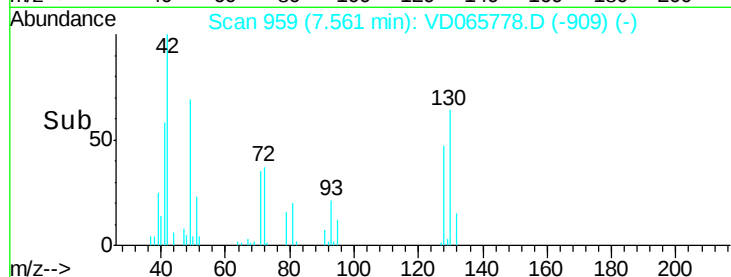
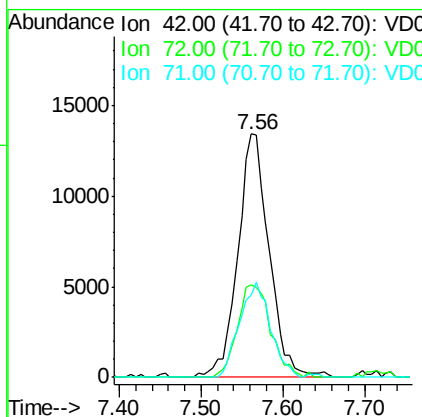
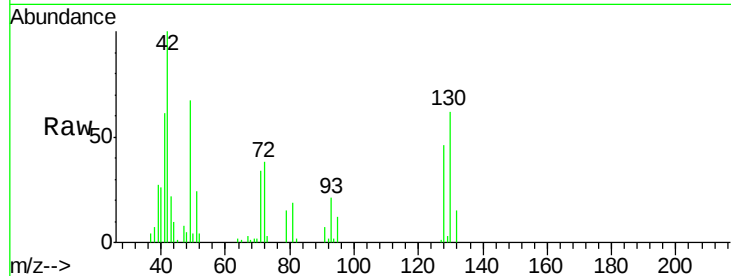
#29
Tetrahydrofuran
Concen: 98.894 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	34.9	52.3
71	38.6	31.2	46.8

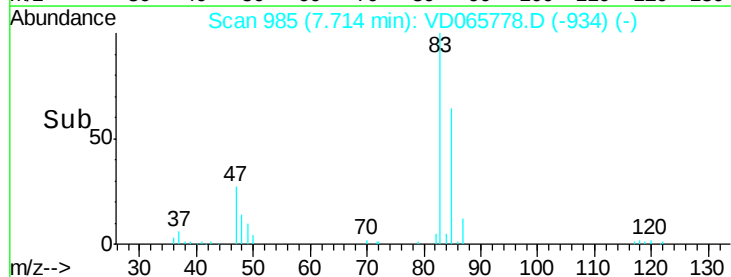
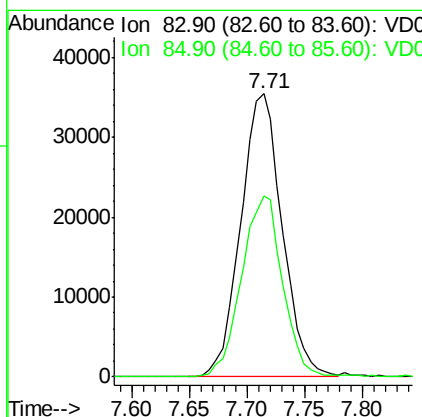
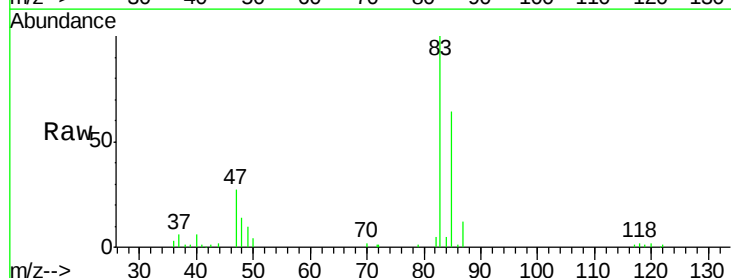
Manual Integrations
APPROVED

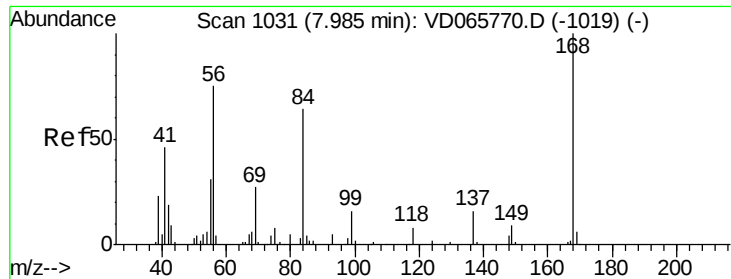
MMDadoda
6/9/2020 2:50:43 PM



#30
Chloroform
Concen: 20.795 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.9	77.9





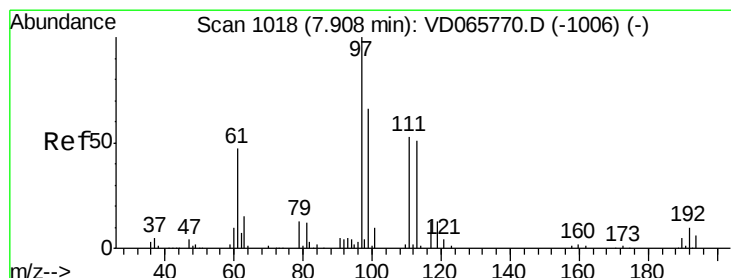
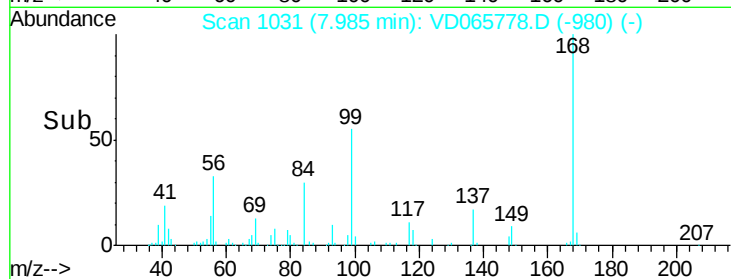
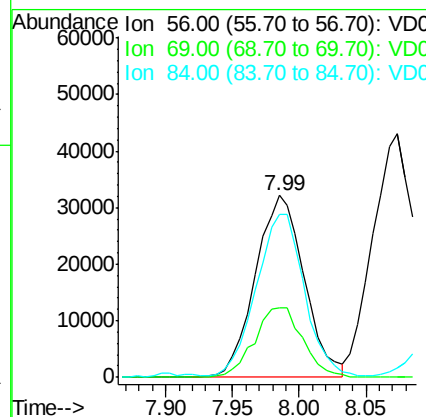
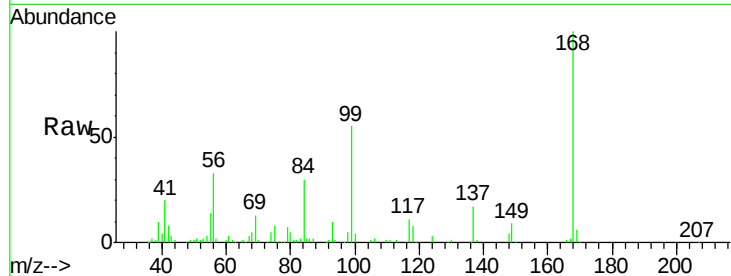
#31
Cyclohexane
Concen: 20.749 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBSD01

Tot Ion	56	Resp	81617
Ion	Ratio	Lower	Upper
56	100		
69	38.4	28.5	42.7
84	88.0	68.4	102.6

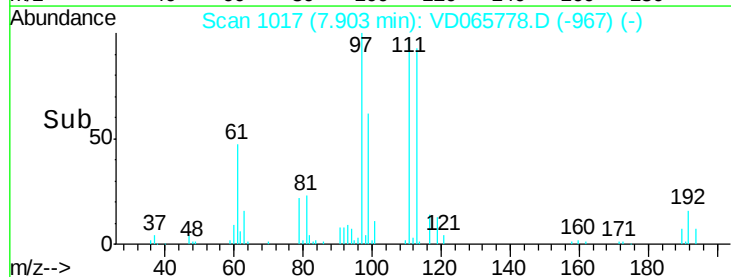
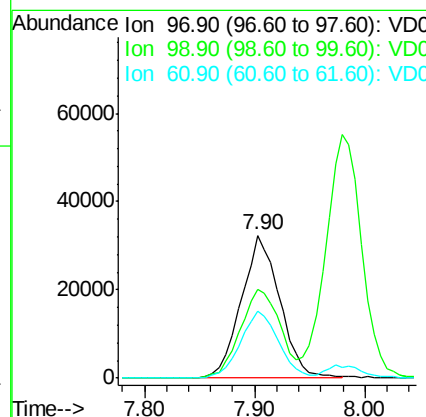
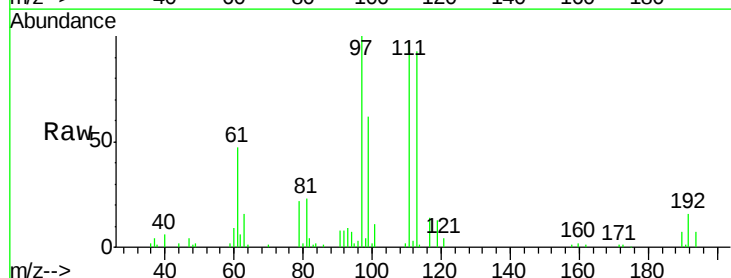
Manual Integrations
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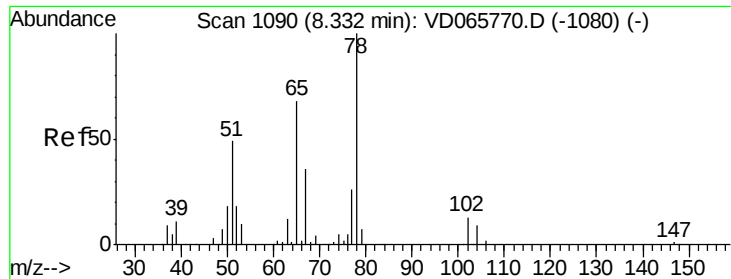
MMDadoda
6/9/2020 2:50:43 PM



#32
1,1,1-Trichloroethane
Concen: 20.250 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Tgt Ion	97	Resp	79190
Ion	Ratio	Lower	Upper
97	100		
99	64.5	49.2	73.8
61	46.2	36.0	54.0





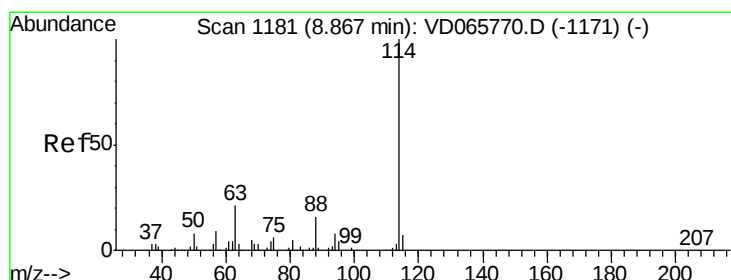
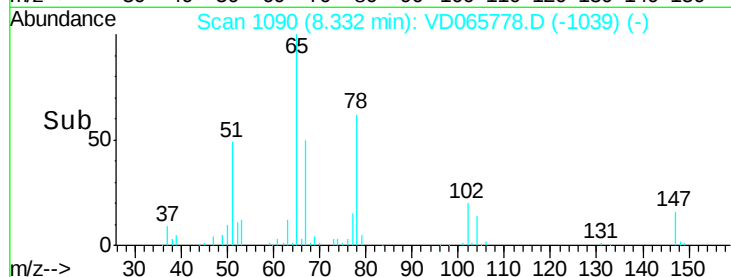
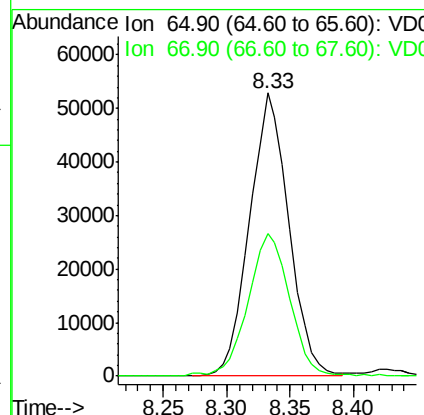
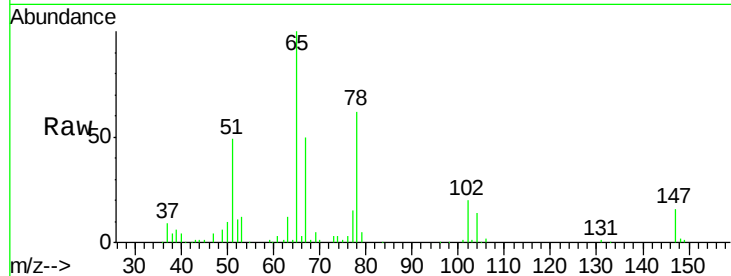
#33
 1,2-Dichloroethane-d4
 Concen: 51.910 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	113861		
67	53.1	0.0	103.6	

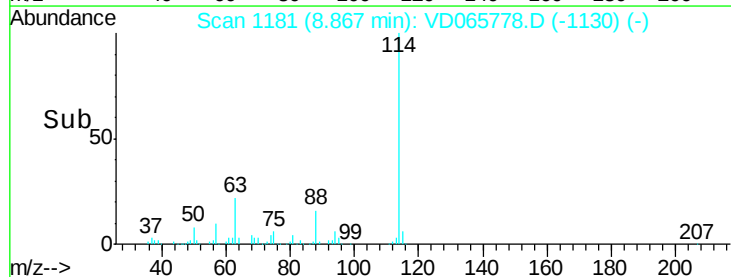
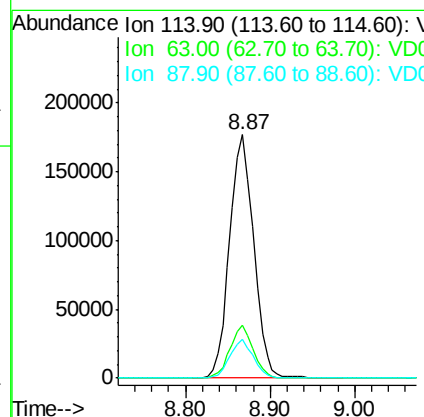
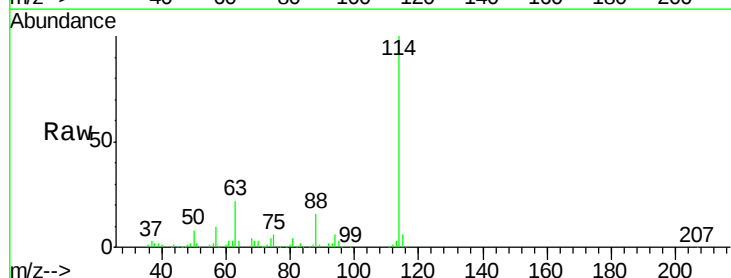
Manual Integrations
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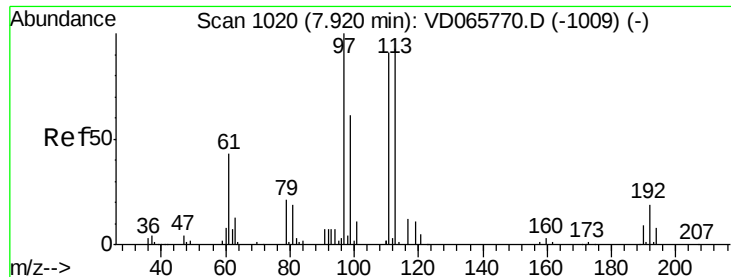
MMDadoda
 6/9/2020 2:50:43 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	350174		
63	21.5	0.0	41.8	
88	16.0	0.0	32.0	





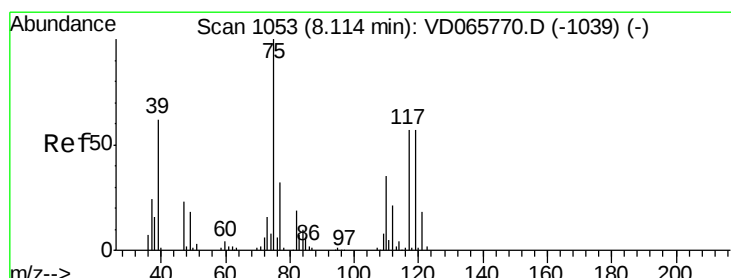
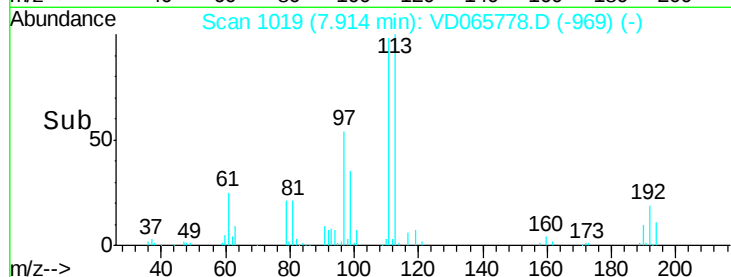
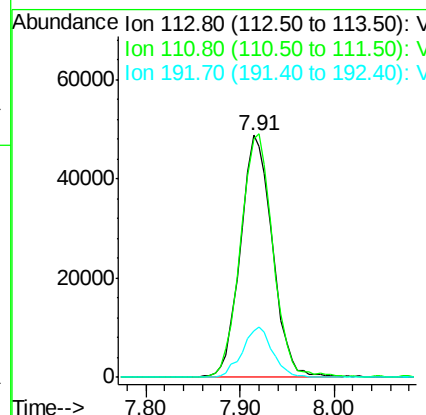
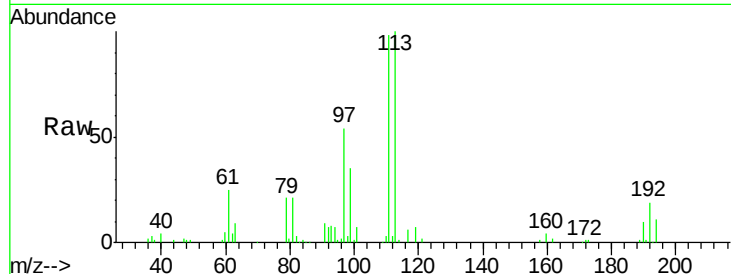
#35
 Dibromofluoromethane
 Concen: 51.969 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.4	125.0
192	19.4	15.7	23.5

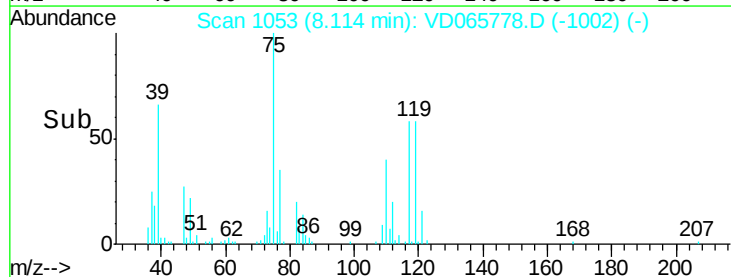
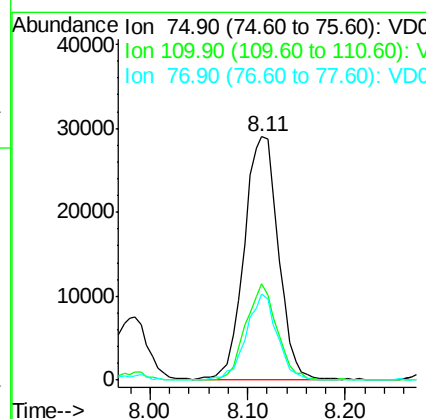
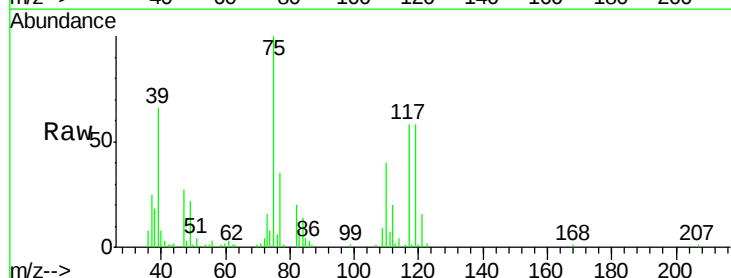
Manual Integrations
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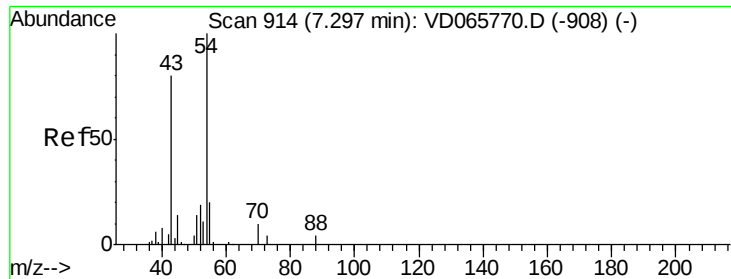
MMDadoda
 6/9/2020 2:50:43 PM



#36
 1,1-Dichloropropene
 Concen: 21.156 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	17.6	52.8
77	31.9	25.1	37.7





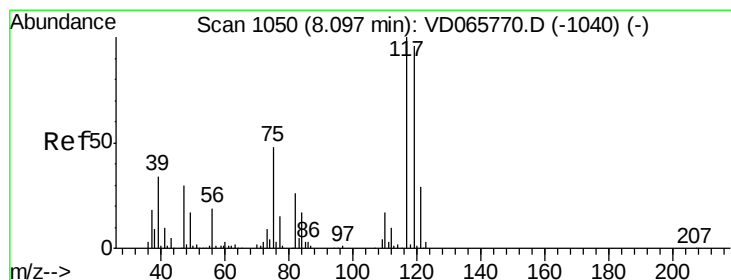
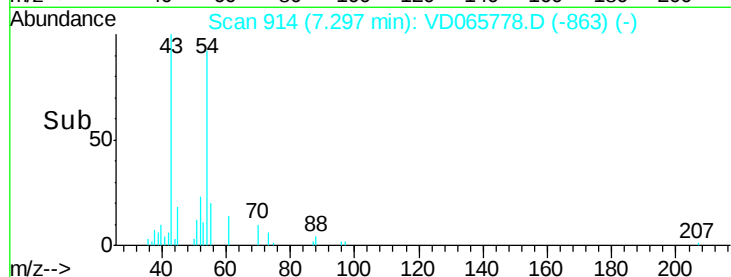
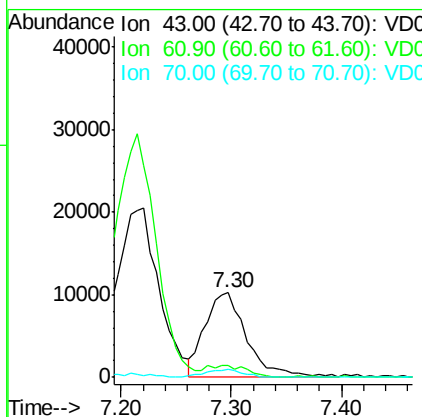
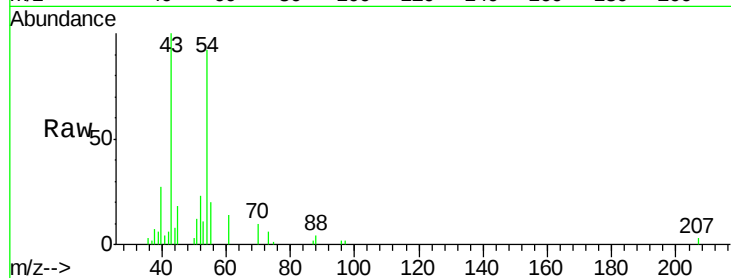
#37
Ethyl Acetate
Concen: 20.335 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.6	15.8
70	8.5	7.5	11.3

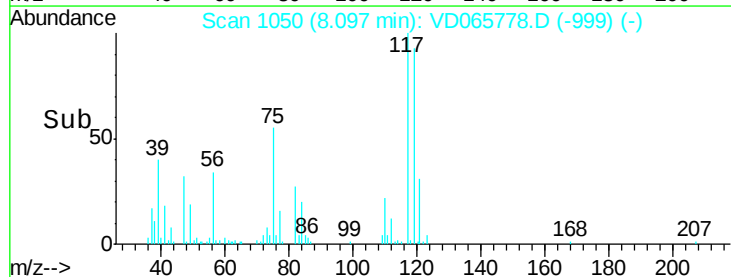
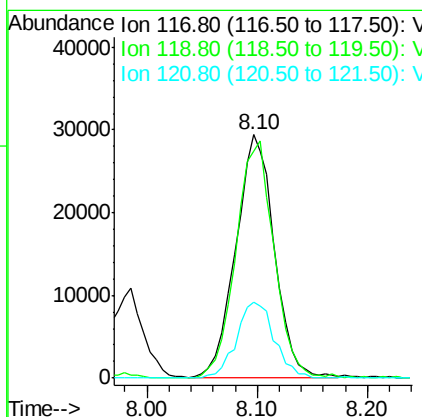
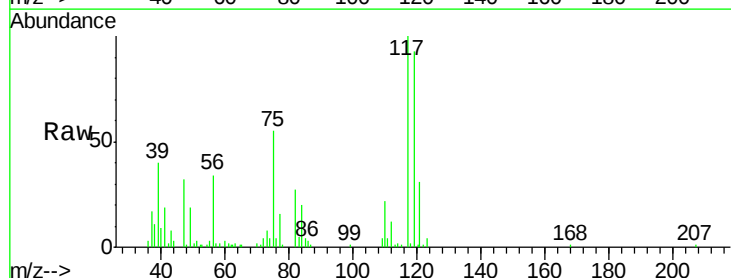
Manual Integrations
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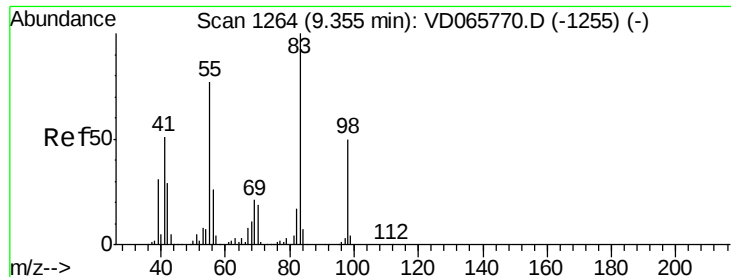
MMDadoda
6/9/2020 2:50:43 PM



#38
Carbon Tetrachloride
Concen: 20.493 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	76.8	115.2
121	31.1	23.4	35.2





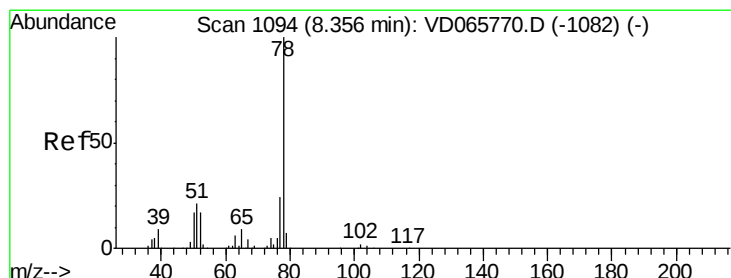
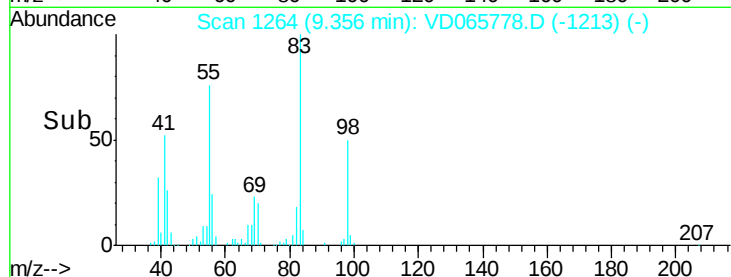
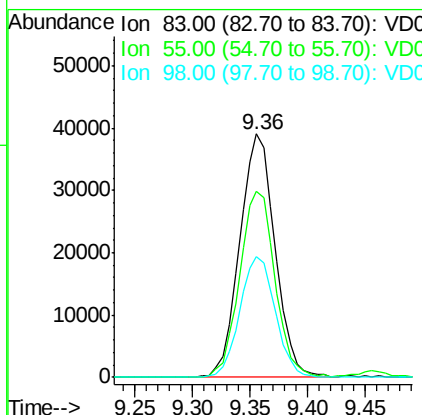
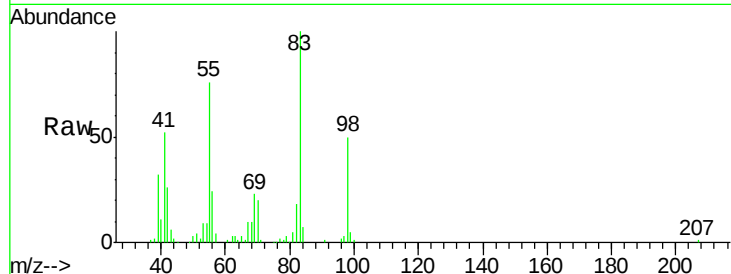
#39
Methvlcvclohexane
Concen: 20.921 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.5	61.6	92.4
98	49.8	40.2	60.2

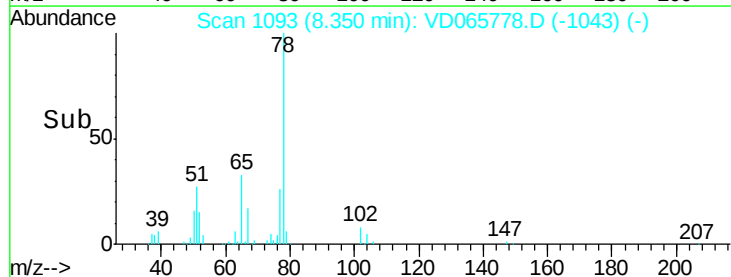
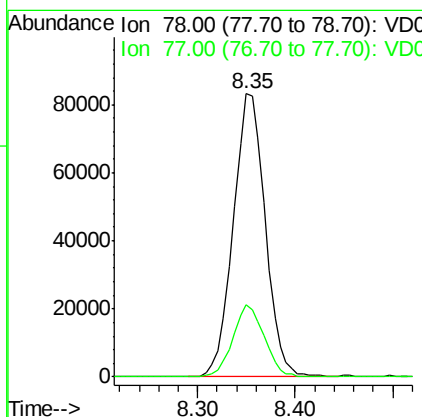
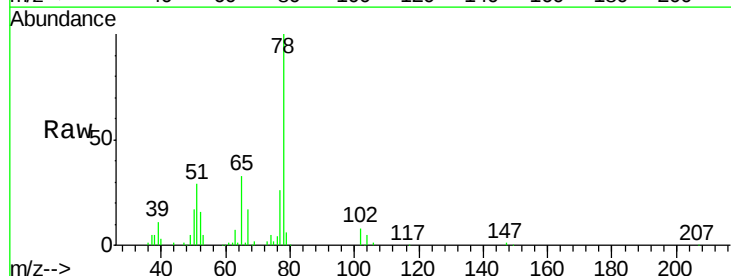
Manual Integrations
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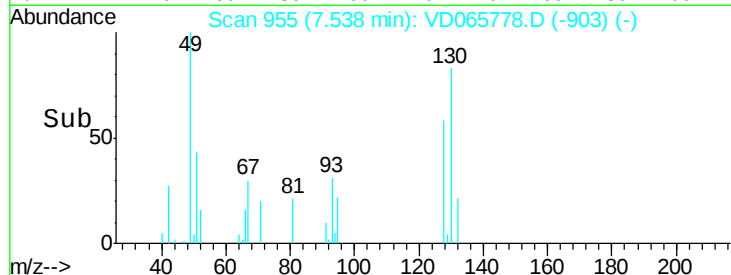
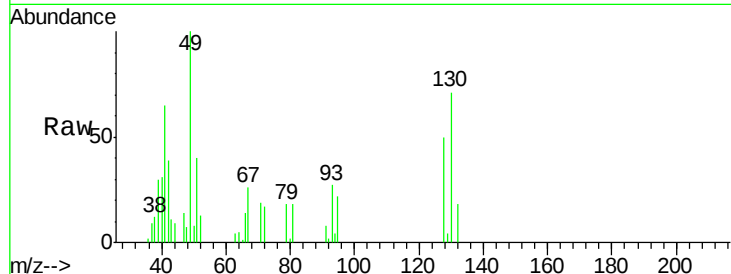
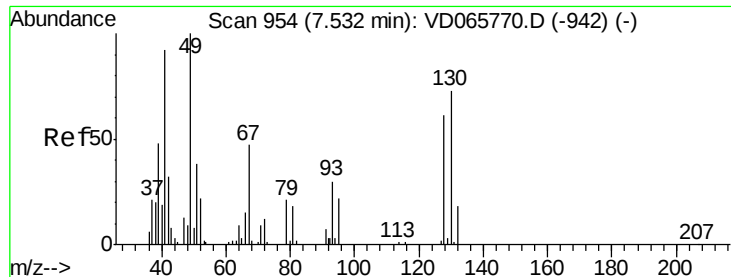
MMDadoda
6/9/2020 2:50:43 PM



#40
Benzene
Concen: 20.667 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.7	19.2	28.8





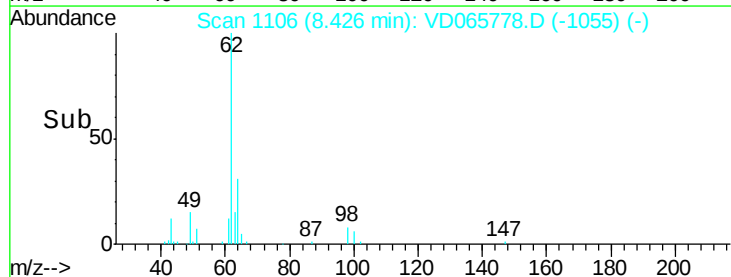
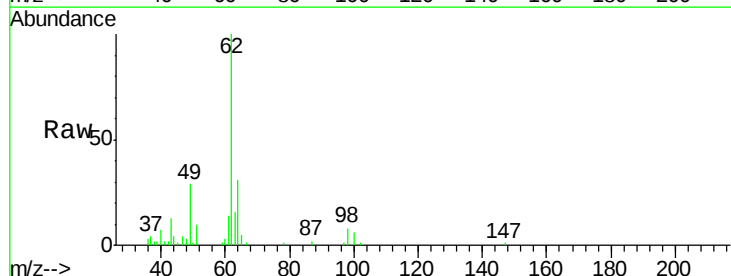
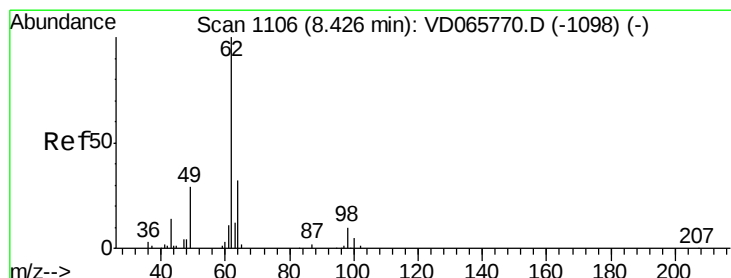
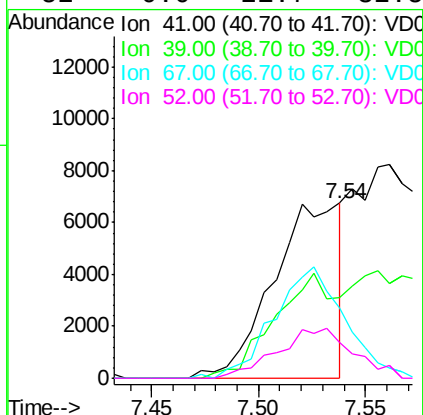
#41
Methacrylonitrile
Concen: 18.977 ug/l m
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Tot Ion	Ratio	Lower	Upper
41	100		
39	72.0	38.3	57.5#
67	0.0	49.8	74.6#
52	0.0	21.7	32.5#

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

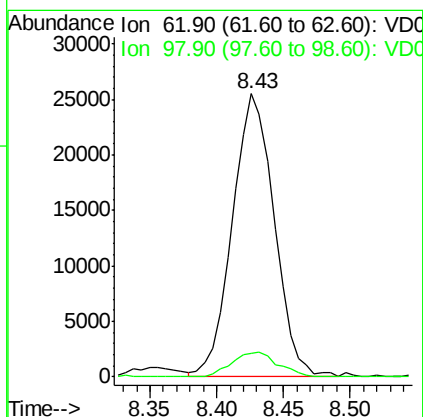
Manual Integrations
APPROVED

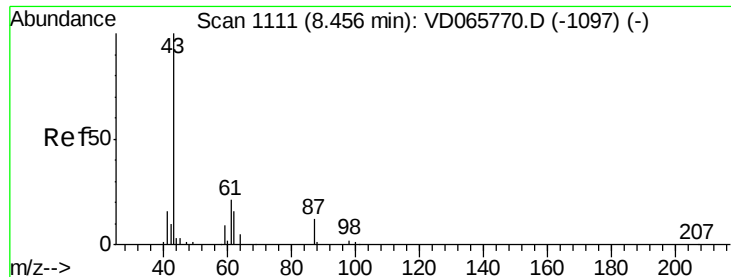
MMDadoda
6/9/2020 2:50:43 PM



#42
1,2-Dichloroethane
Concen: 20.099 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.6





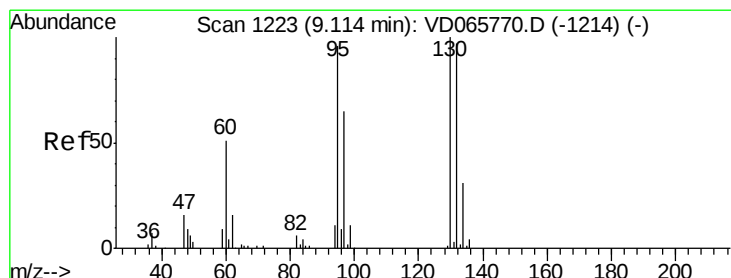
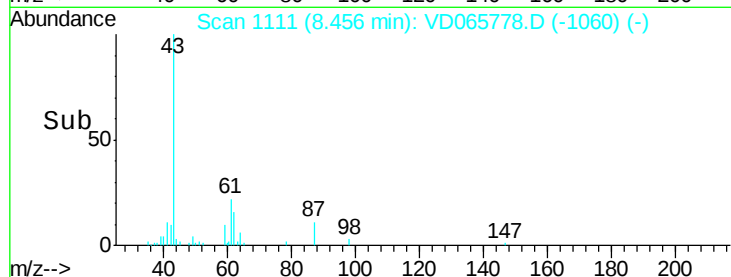
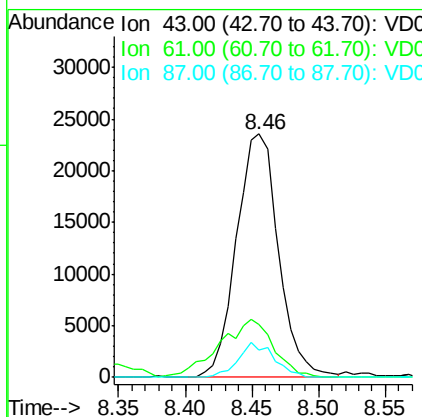
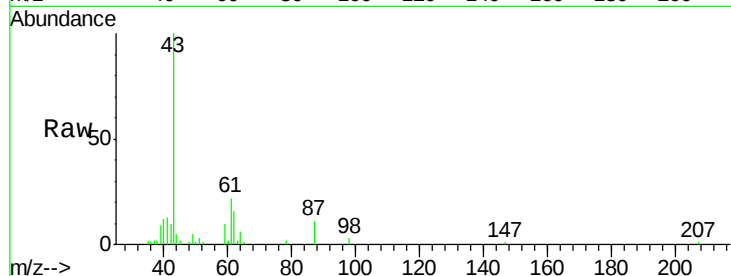
#43
Isopropyl Acetate
Concen: 19.575 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.9	24.2	36.4
87	12.1	9.5	14.3

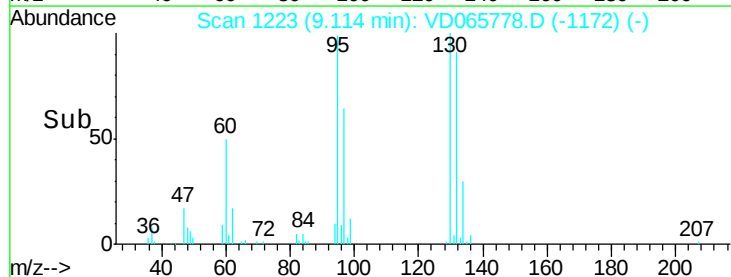
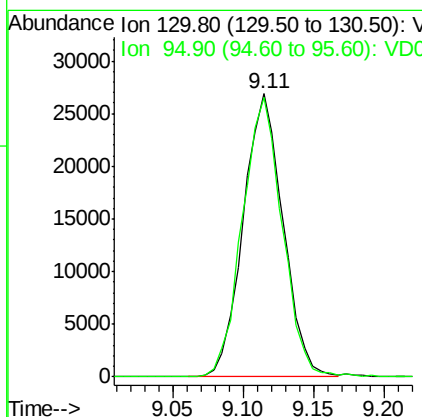
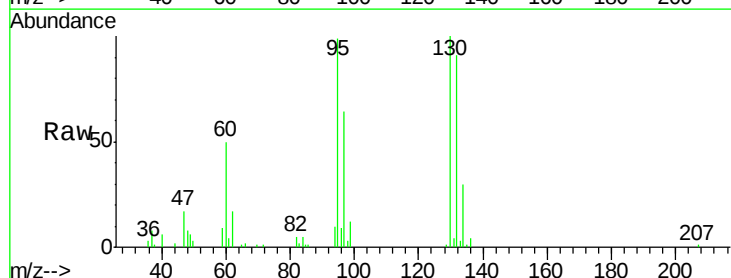
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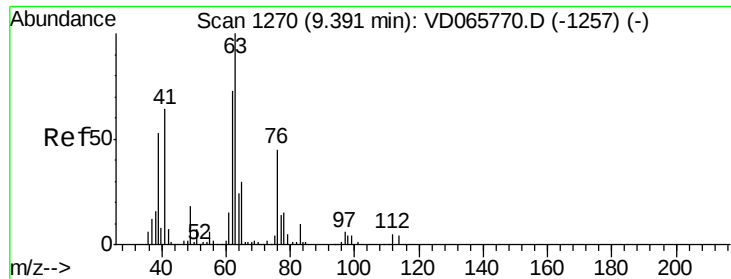
MMDadoda
6/9/2020 2:50:43 PM



#44
Trichloroethene
Concen: 20.847 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	192.8





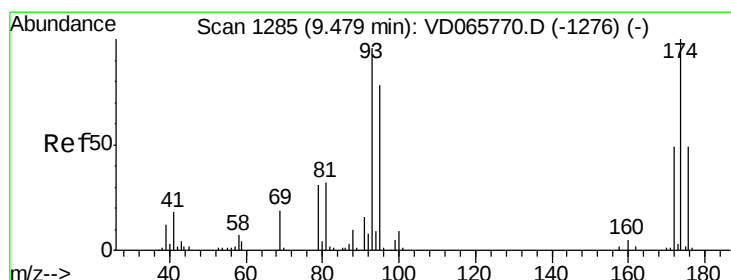
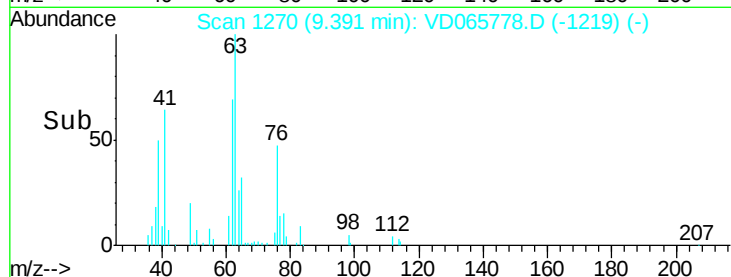
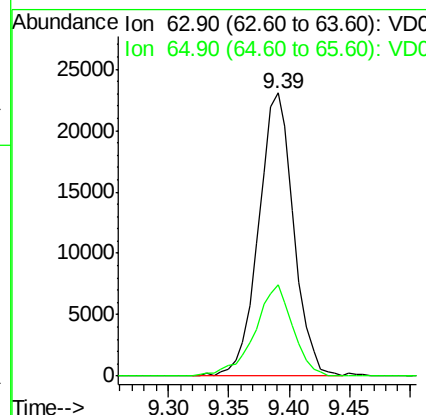
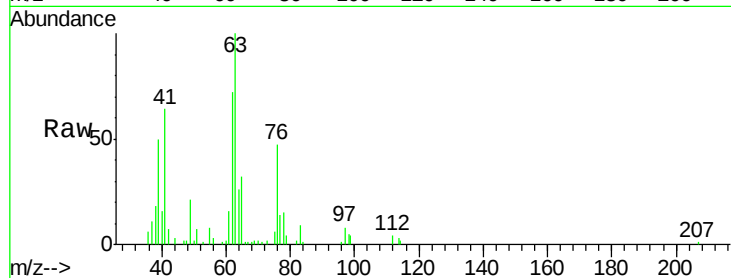
#45
 1,2-Dichloropropane
 Concen: 20.200 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.2	36.2

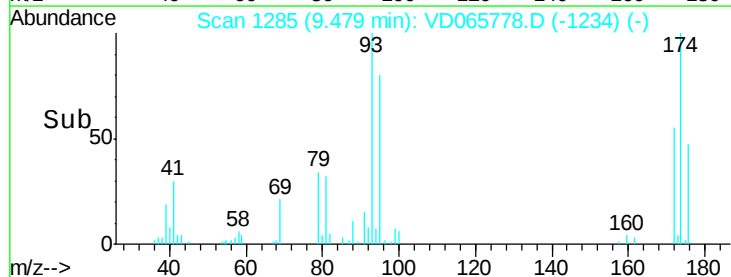
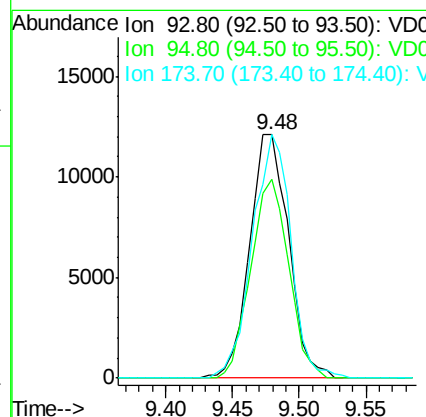
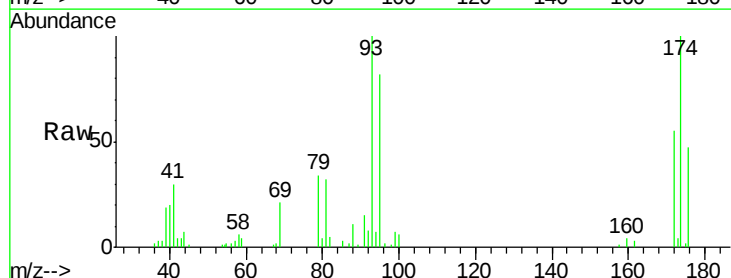
Manual Integrations
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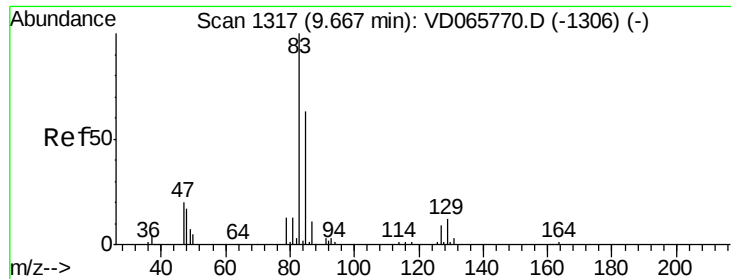
MMDadoda
 6/9/2020 2:50:43 PM



#46
 Dibromomethane
 Concen: 19.528 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

Tgt Ion	Ratio	Lower	Upper
93	100		
95	79.6	65.8	98.6
174	98.8	80.9	121.3





#47

Bromodichloromethane

Concen: 20.079 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

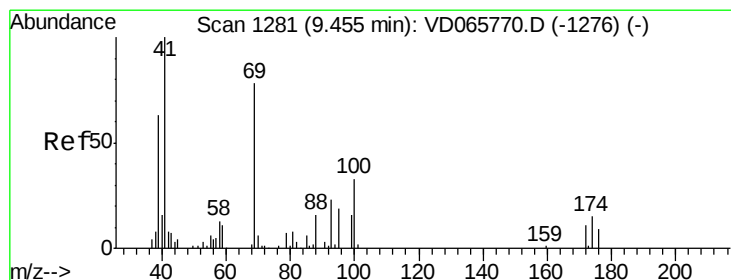
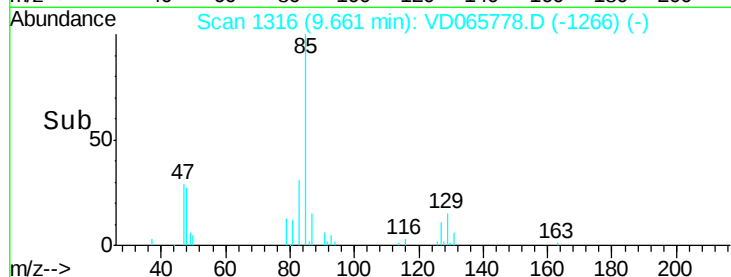
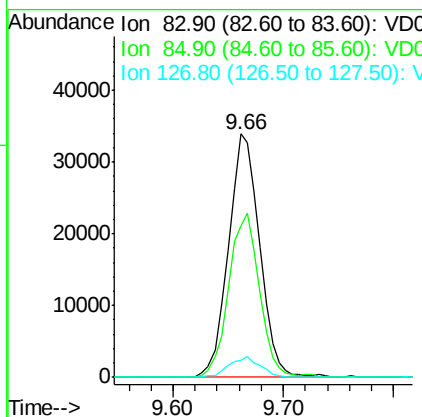
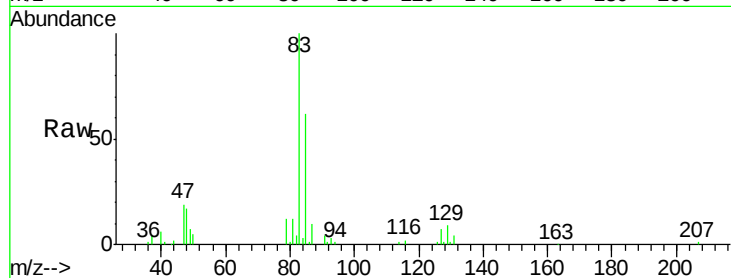
ClientSampleId :

VD0608SBS01

Tot Ion:	83	Resp:	67241
Ion	Ratio	Lower	Upper
83	100		
85	62.1	50.7	76.1
127	6.8	7.1	10.7#

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#48

Methyl methacrylate

Concen: 18.274 ug/l

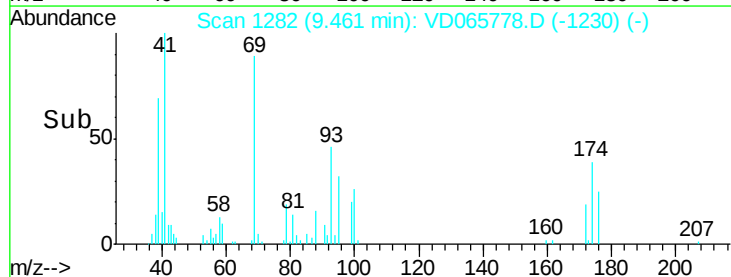
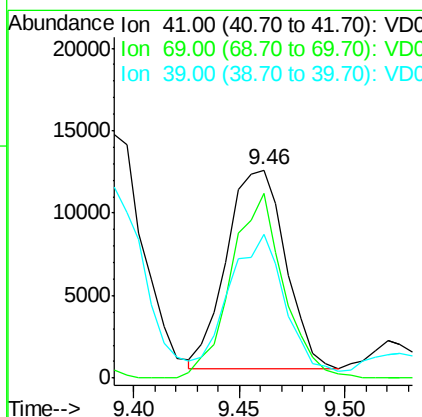
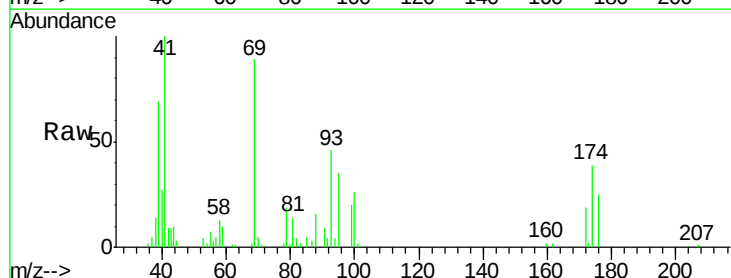
RT: 9.46 min Scan# 1282

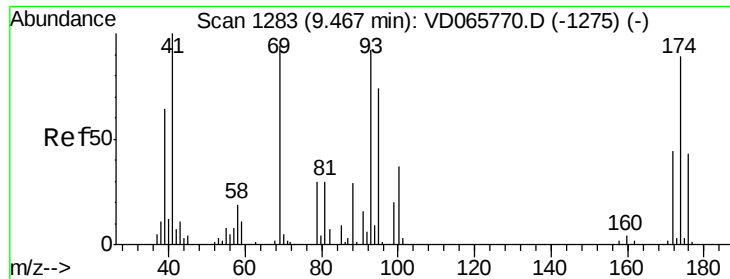
Delta R.T. 0.01 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Tgt Ion:	41	Resp:	23240
Ion	Ratio	Lower	Upper
41	100		
69	83.0	60.9	91.3
39	64.2	48.1	72.1





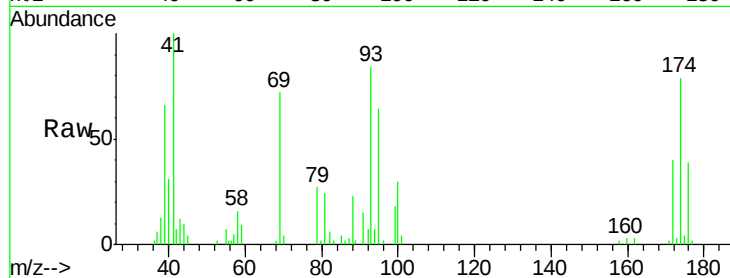
#49
1,4-Dioxane
Concen: 387.028 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBSD01

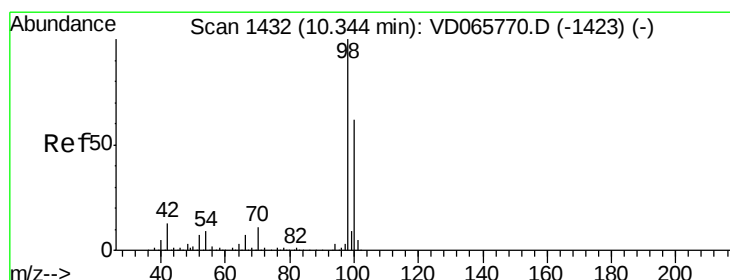
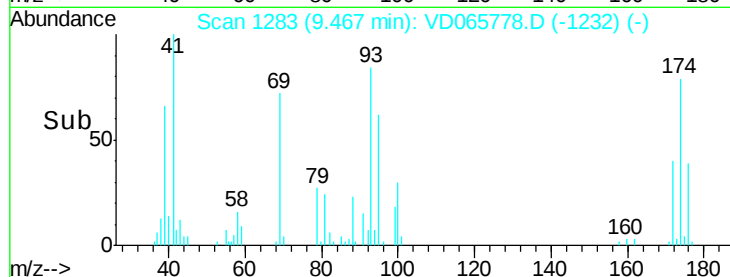
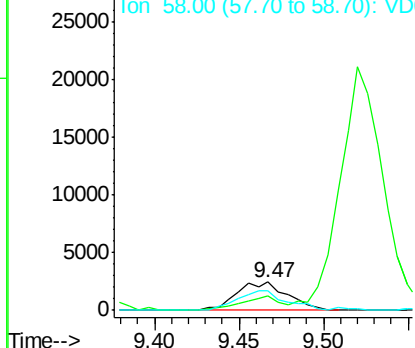
Tot Ion	Ratio	Lower	Upper
88	100		
43	39.9	32.2	48.4
58	65.7	54.9	82.3

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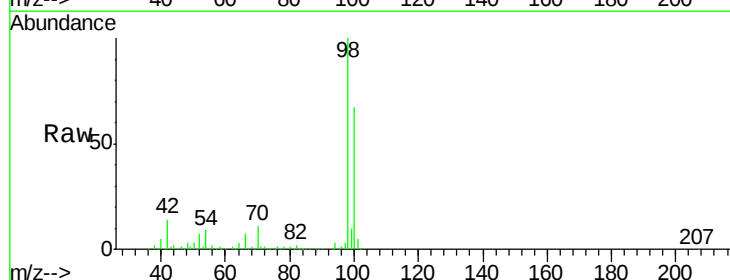


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

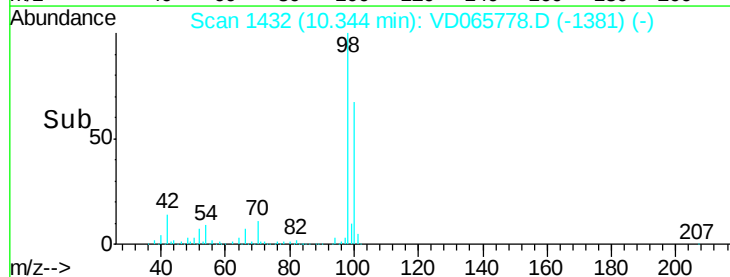
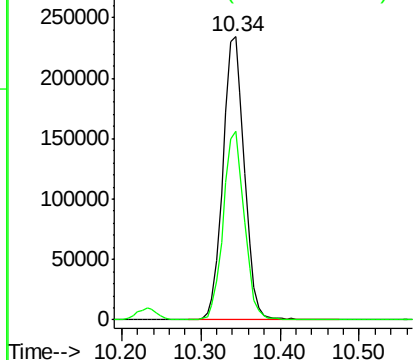


#50
Toluene-d8
Concen: 53.012 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	51.4	77.2



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 95.083 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS01

Tot Ion: 43 Resp: 122413

Ion Ratio Lower Upper

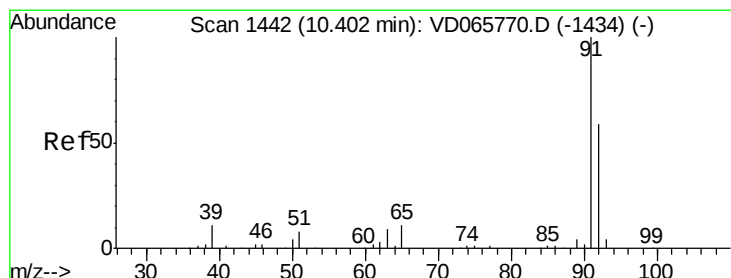
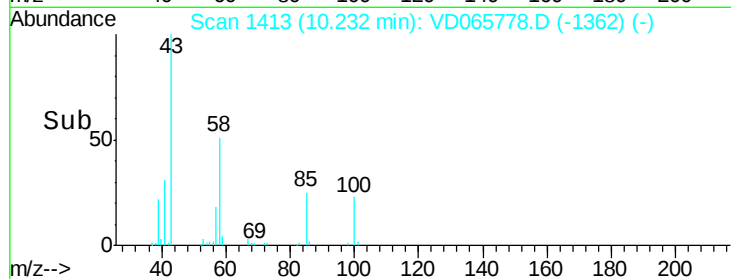
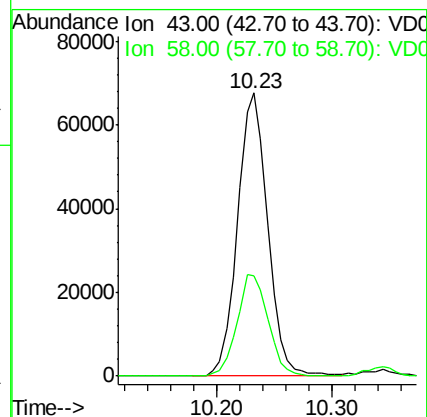
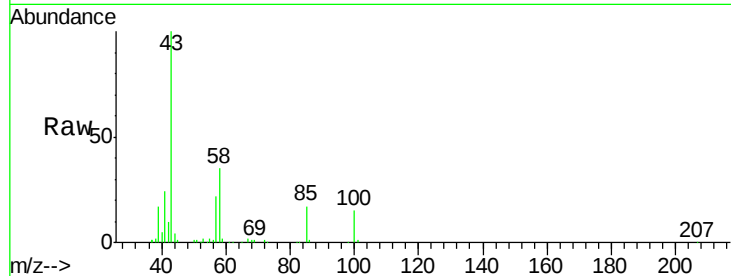
43 100

58 36.8 30.7 46.1

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#52

Toluene

Concen: 20.623 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD065778.D

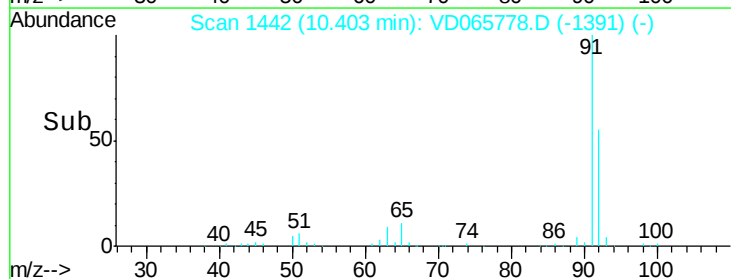
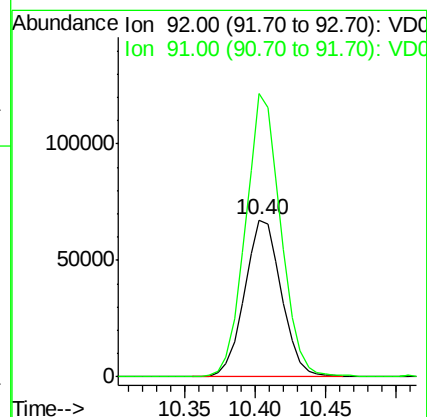
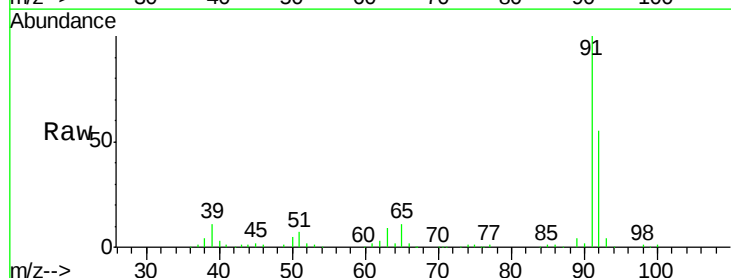
Acq: 08 Jun 2020 14:08

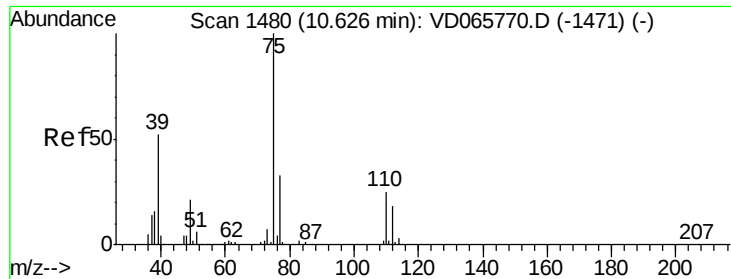
Tgt Ion: 92 Resp: 122886

Ion Ratio Lower Upper

92 100

91 173.2 137.8 206.8





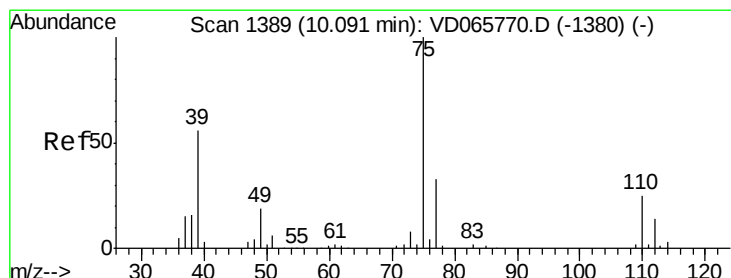
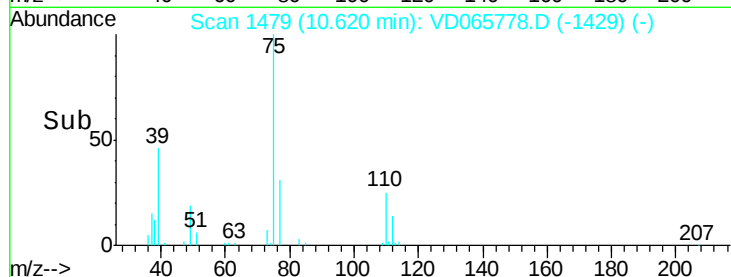
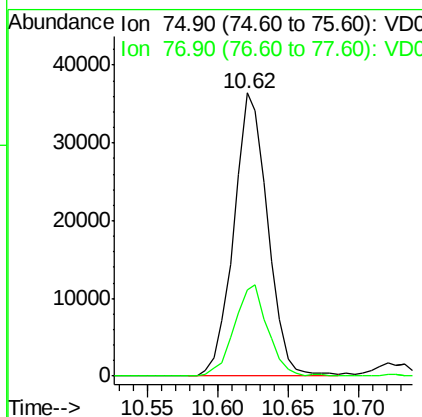
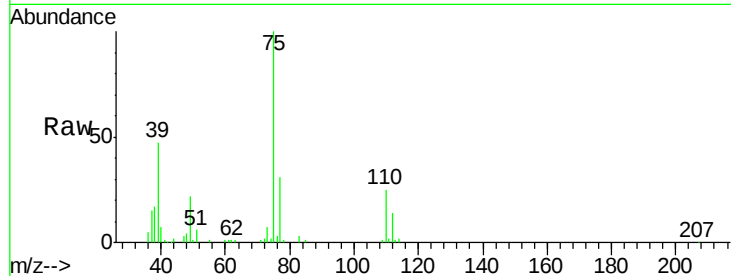
#53
t-1,3-Dichloropropene
Concen: 20.173 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBSD01

Tot Ion: 75 Resp: 61173
Ion Ratio Lower Upper
75 100
77 30.5 26.4 39.6

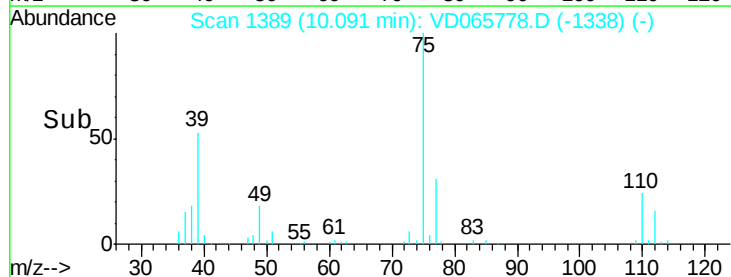
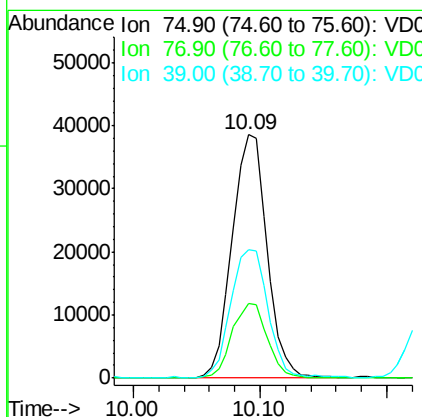
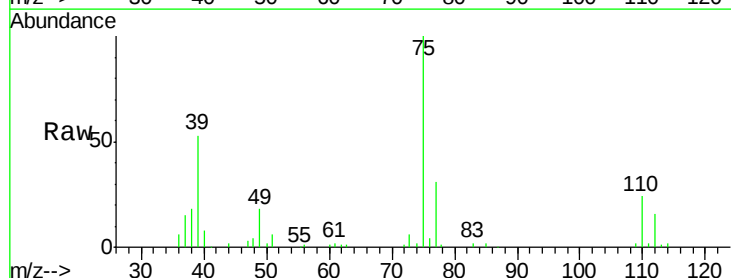
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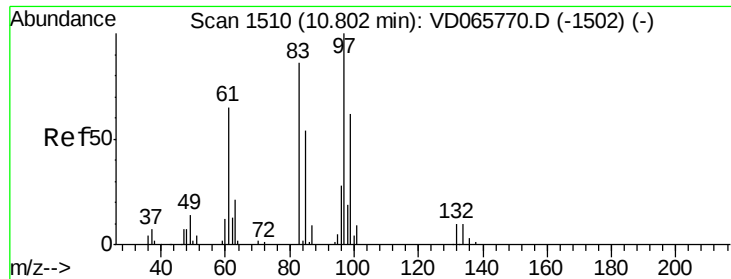
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.558 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Tgt Ion: 75 Resp: 73626
Ion Ratio Lower Upper
75 100
77 30.7 26.0 39.0
39 52.7 45.0 67.6





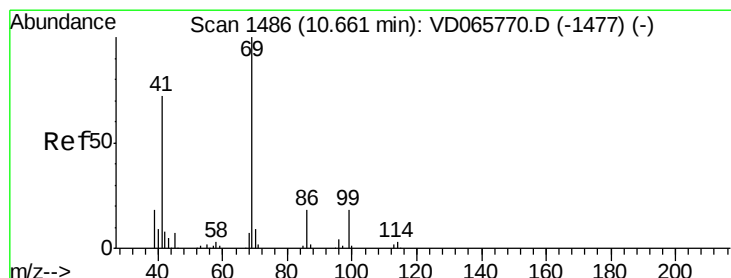
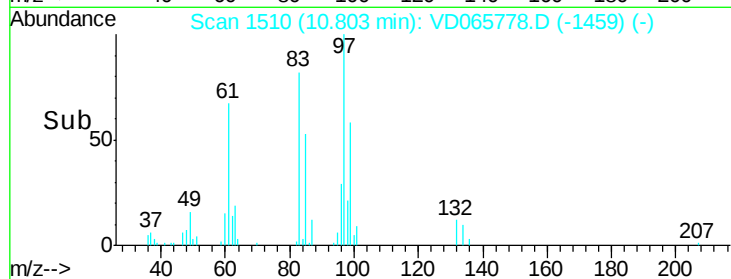
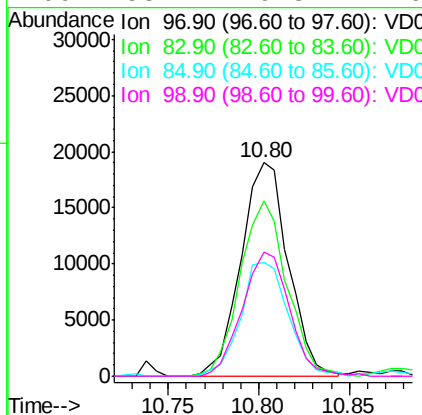
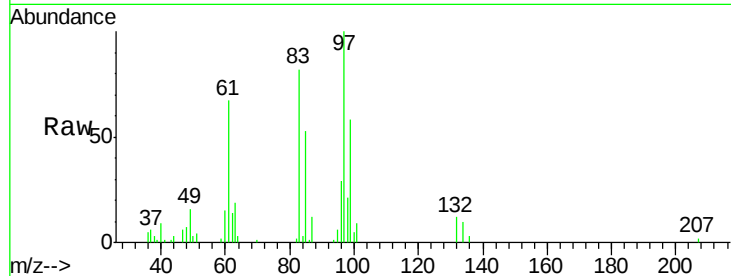
#55
 1,1,2-Trichloroethane
 Concen: 20.697 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.1	68.7	103.1
85	53.1	43.0	64.6
99	58.4	49.8	74.6

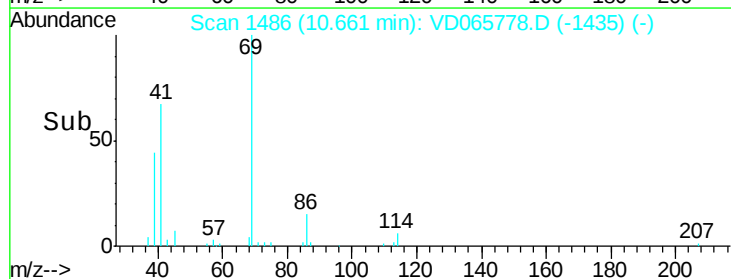
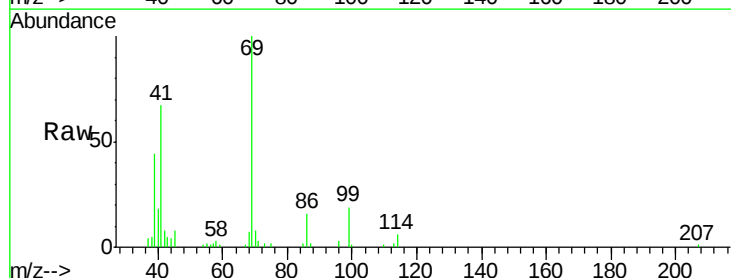
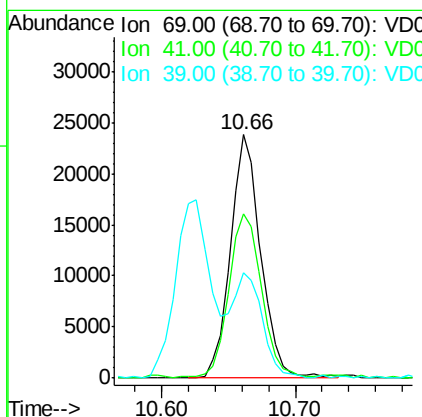
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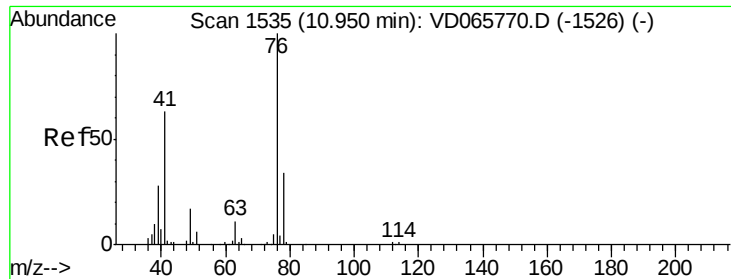
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#56
 Ethyl methacrylate
 Concen: 19.204 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

Tgt Ion	Ratio	Lower	Upper
69	100		
41	73.3	56.9	85.3
39	38.9	36.0	54.0





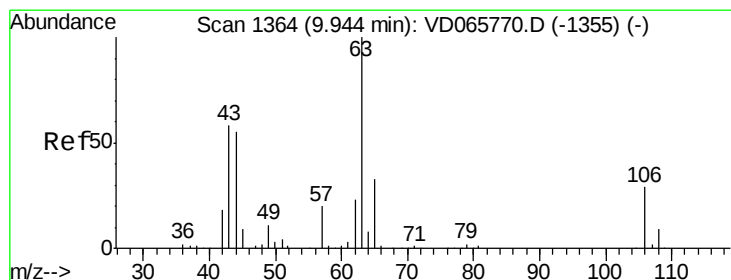
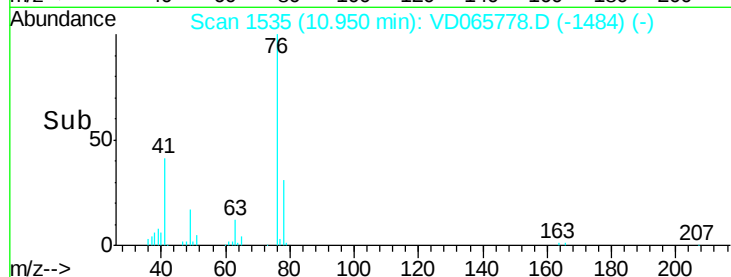
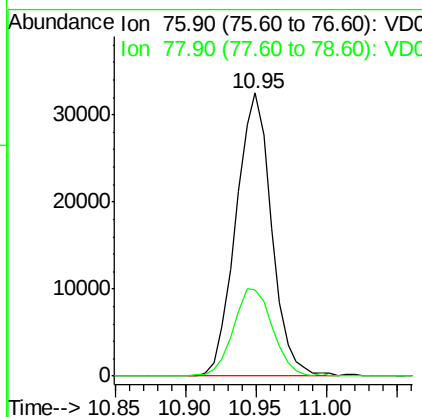
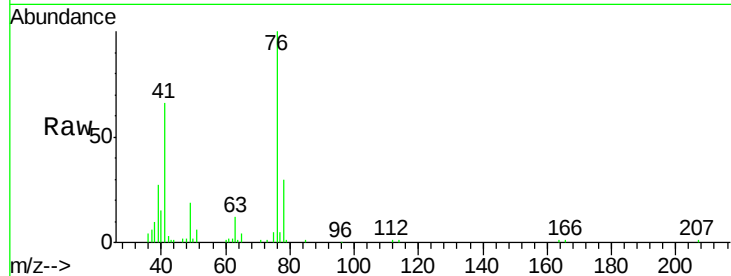
#57
 1,3-Dichloropropane
 Concen: 19.842 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBSD01

Tot Ion: 76 Resp: 57401
 Ion Ratio Lower Upper
 76 100
 78 33.8 26.3 39.5

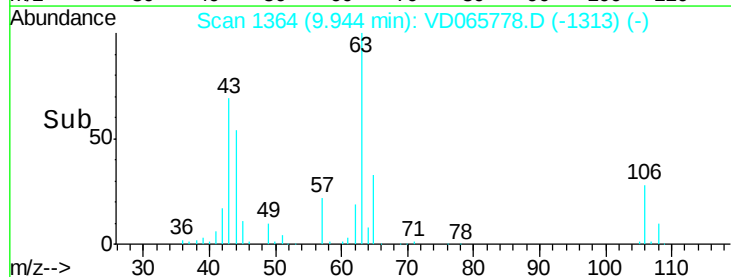
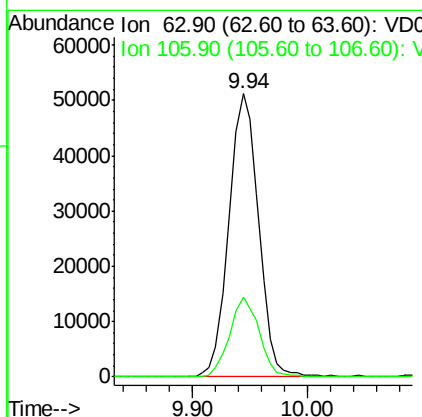
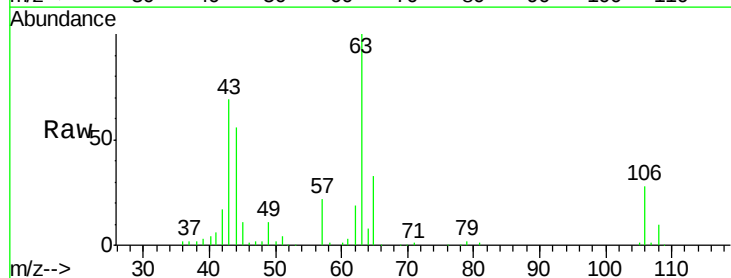
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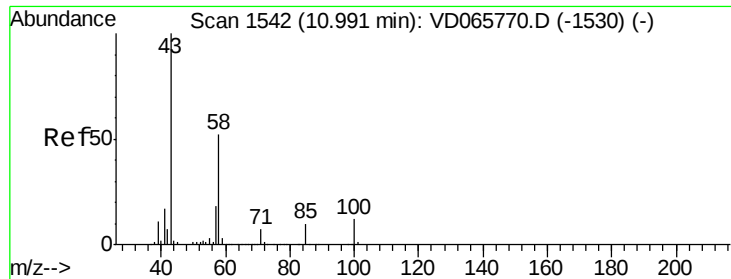
MMDadoda
 6/9/2020 2:50:43 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.773 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

Tgt Ion: 63 Resp: 91102
 Ion Ratio Lower Upper
 63 100
 106 27.9 23.2 34.8





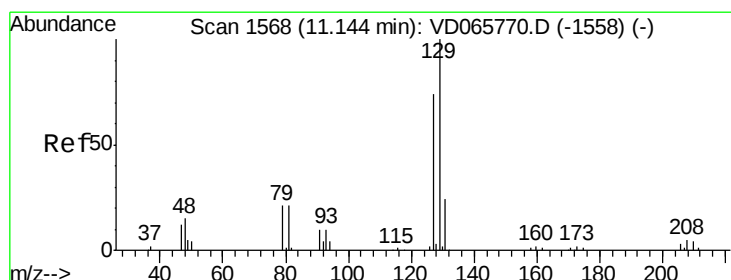
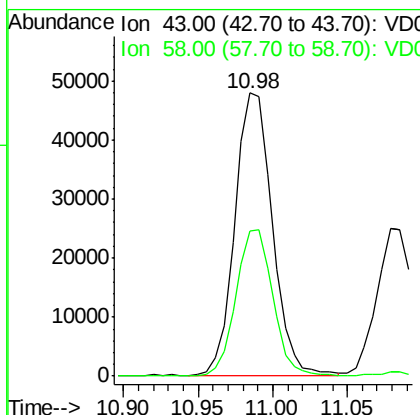
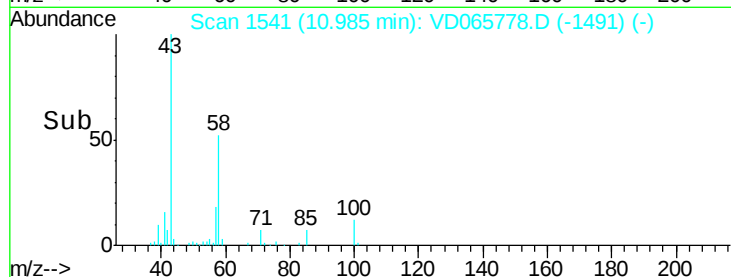
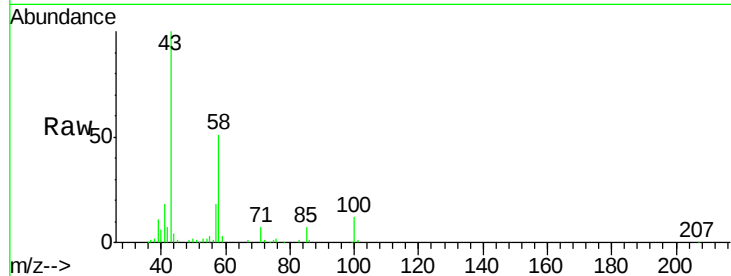
#59
2-Hexanone
Concen: 97.009 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBSD01

Tot Ion: 43 Resp: 84201
Ion Ratio Lower Upper
43 100
58 50.8 25.7 77.0

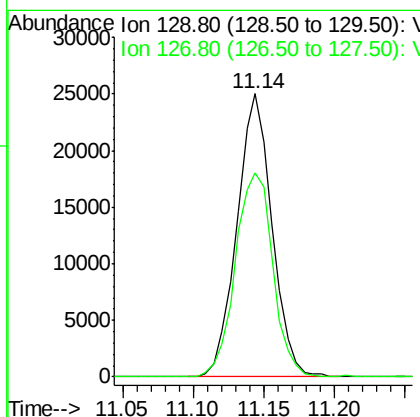
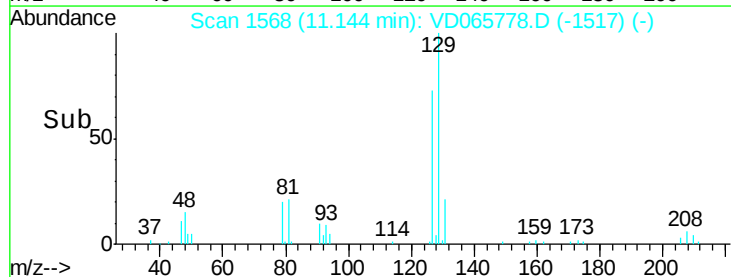
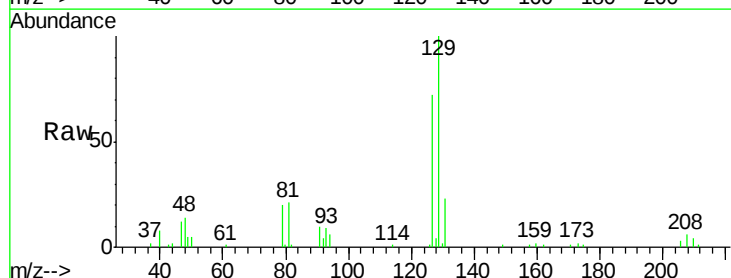
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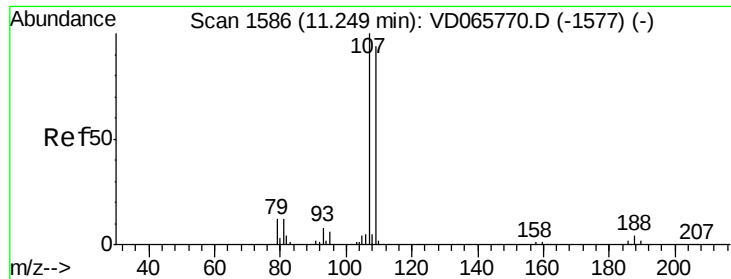
MMDadoda
6/9/2020 2:50:43 PM



#60
Dibromochloromethane
Concen: 19.262 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Tgt Ion: 129 Resp: 43449
Ion Ratio Lower Upper
129 100
127 76.9 38.0 113.9





#61

1,2-Dibromoethane

Concen: 20.388 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS01

Tot Ion: 107 Resp: 33457

Ion Ratio Lower Upper

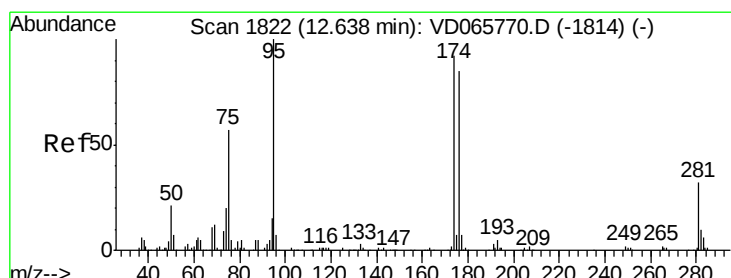
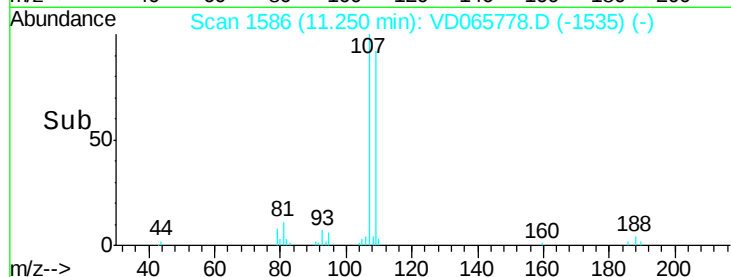
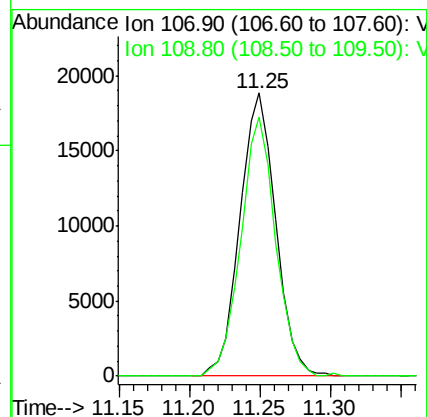
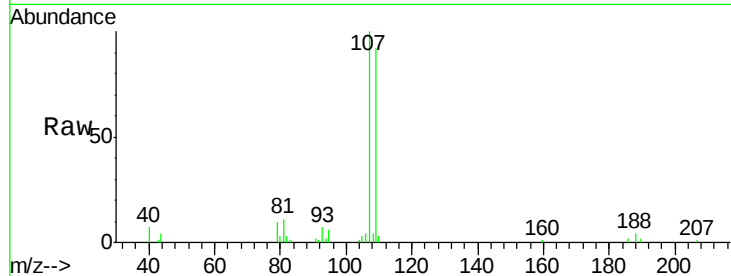
107 100

109 89.1 74.4 111.6

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 51.730 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

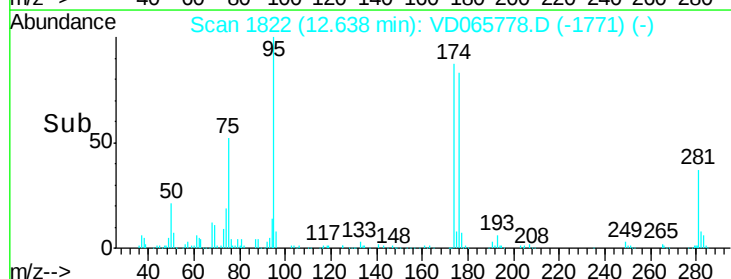
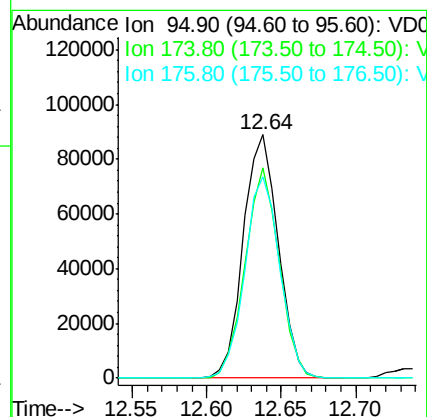
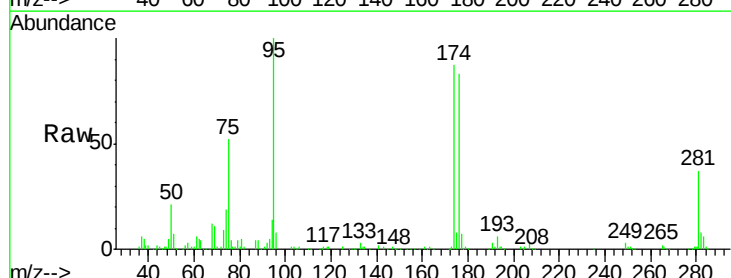
Tgt Ion: 95 Resp: 144696

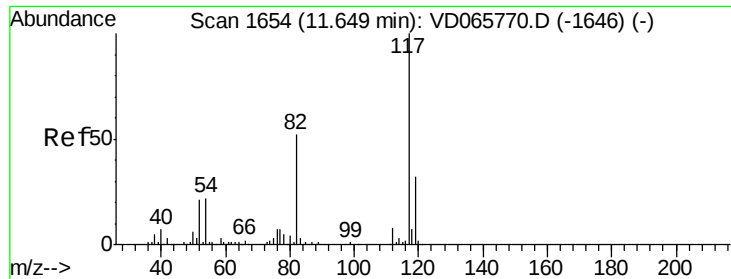
Ion Ratio Lower Upper

95 100

174 83.9 0.0 175.2

176 82.5 0.0 163.0





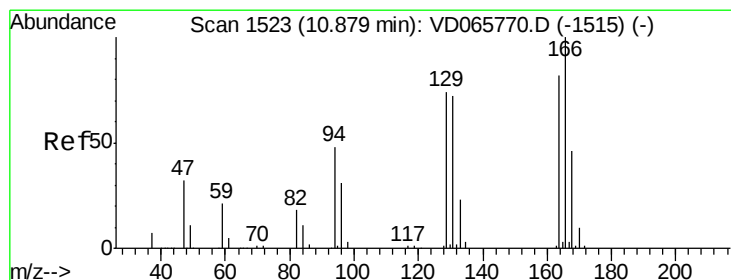
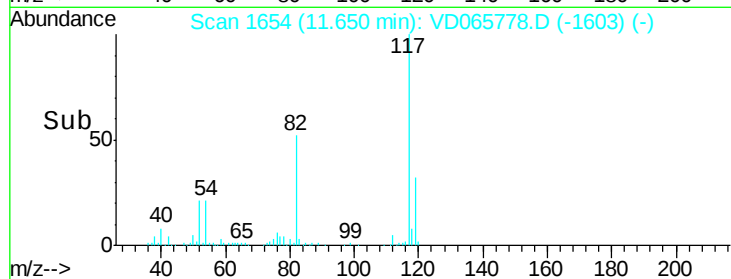
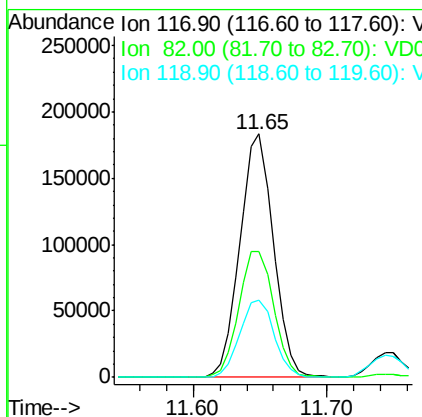
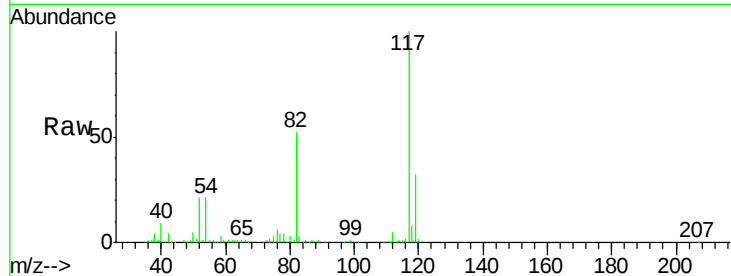
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	318865		
82	51.9		41.9	62.9
119	31.9		25.3	37.9

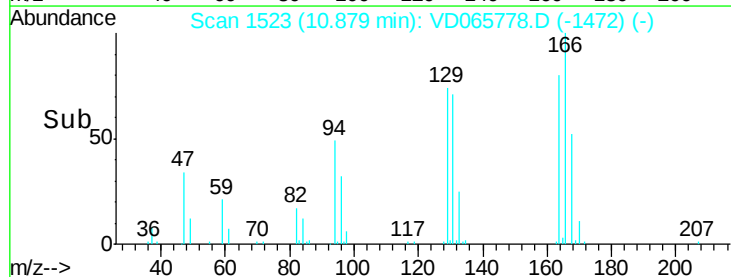
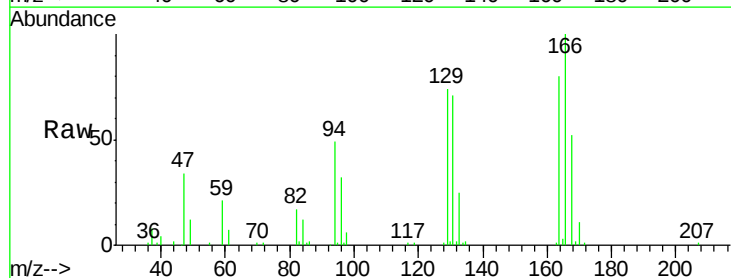
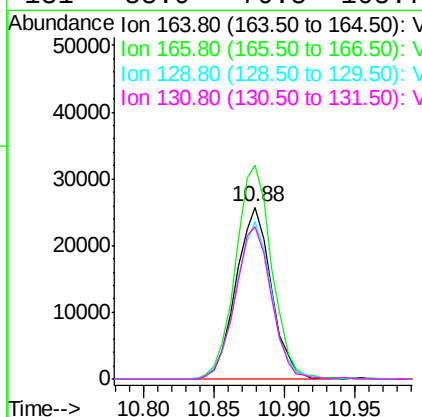
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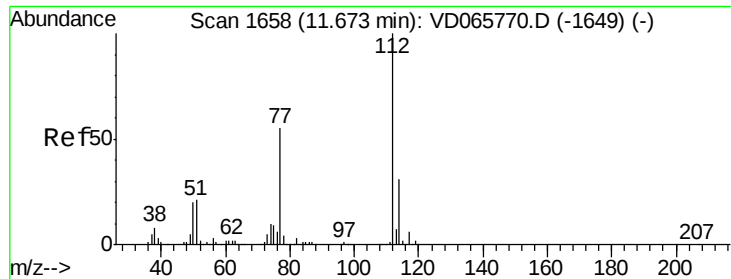
MMDadoda
6/9/2020 2:50:43 PM



#64
Tetrachloroethene
Concen: 20.822 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	44895		
166	124.5		98.2	147.2
129	91.9		72.3	108.5
131	88.9		70.5	105.7





#65

Chlorobenzene

Concen: 20.902 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBSD01

Tot Ion:112 Resp: 130113

Ion Ratio Lower Upper

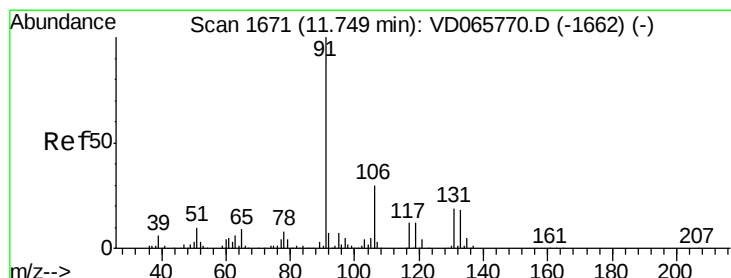
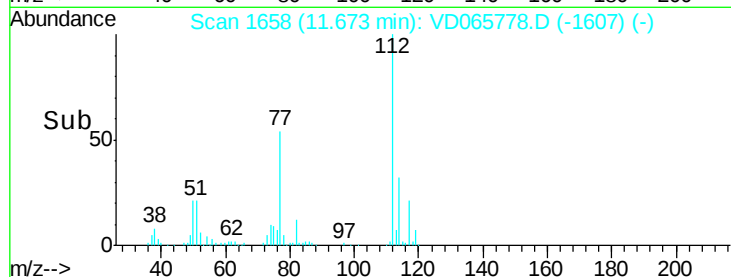
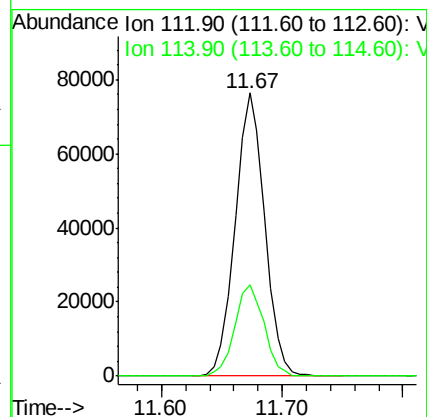
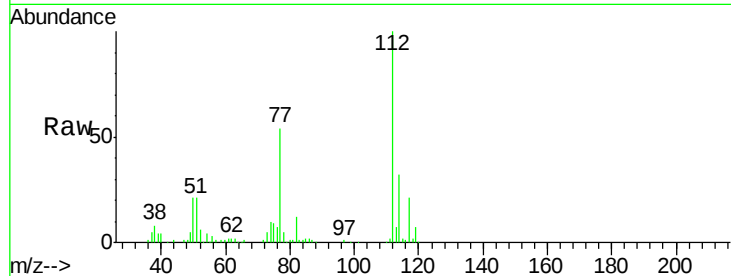
112 100

114 32.1 24.7 37.1

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 20.350 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

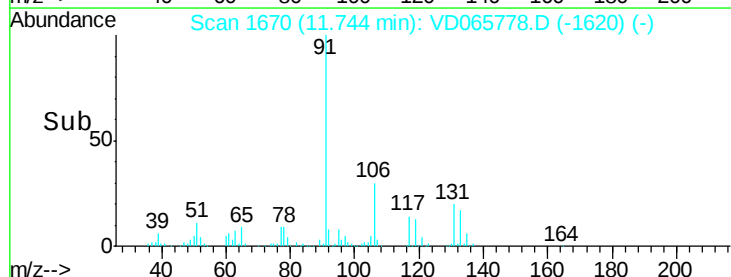
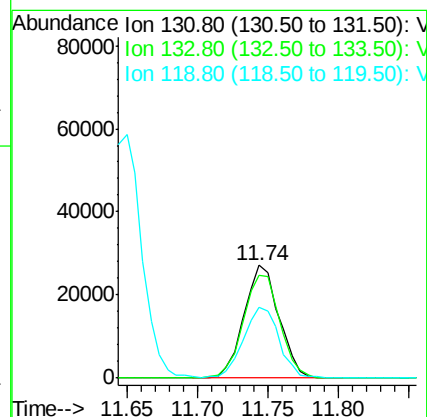
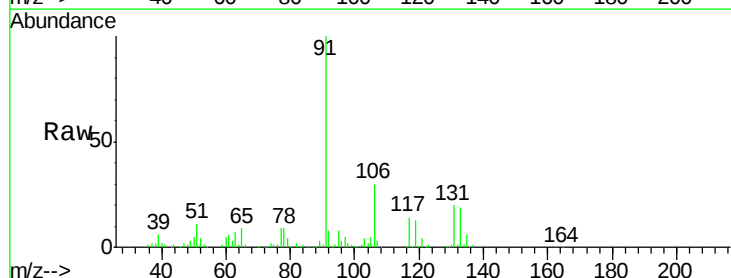
Tgt Ion:131 Resp: 47221

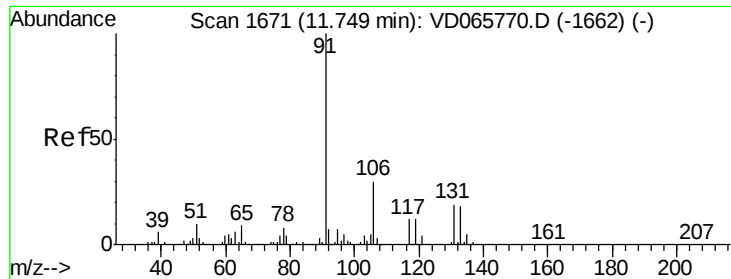
Ion Ratio Lower Upper

131 100

133 95.5 47.3 141.9

119 63.8 31.6 94.8





#67

Ethyl Benzene

Concen: 20.817 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS01

Tot Ion: 91 Resp: 231491

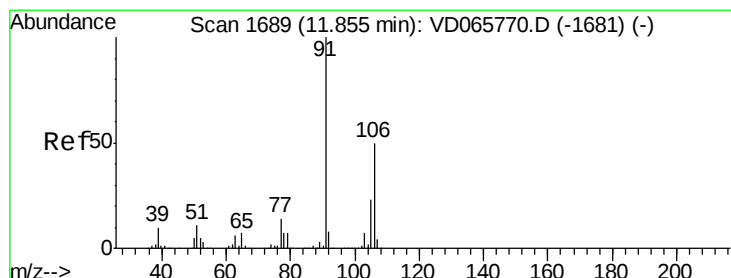
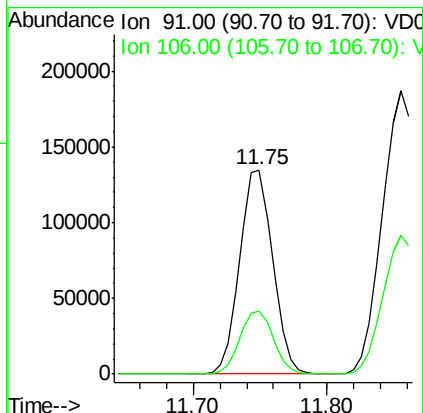
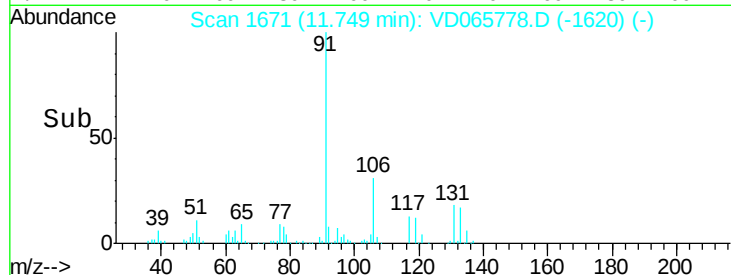
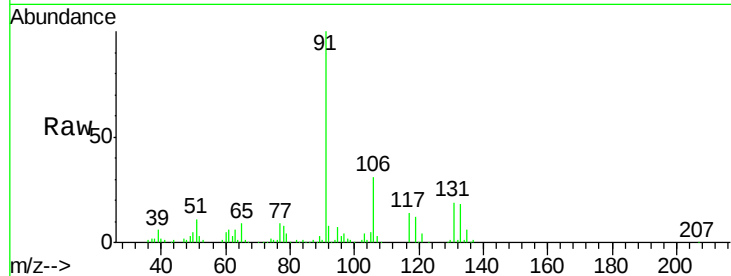
Ion Ratio Lower Upper

91 100

106 31.2 24.1 36.1

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#68

m/p-Xylenes

Concen: 41.389 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065778.D

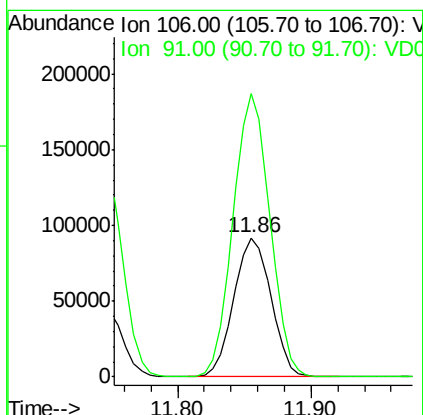
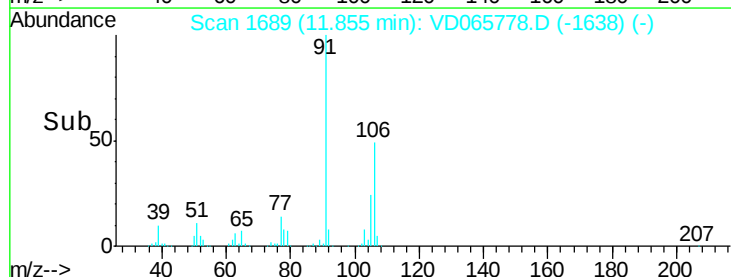
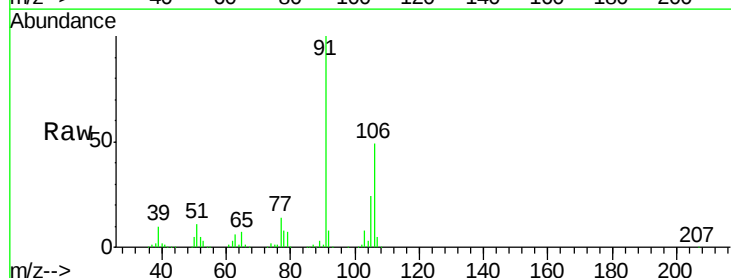
Acq: 08 Jun 2020 14:08

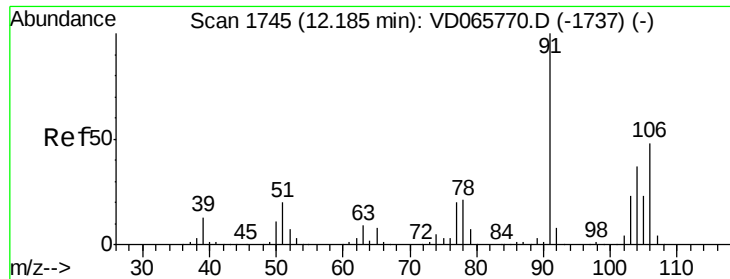
Tgt Ion: 106 Resp: 177287

Ion Ratio Lower Upper

106 100

91 201.7 159.4 239.2





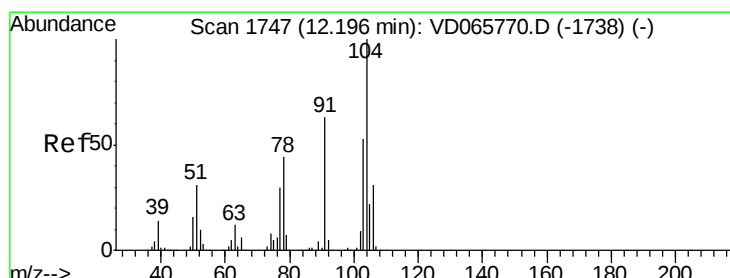
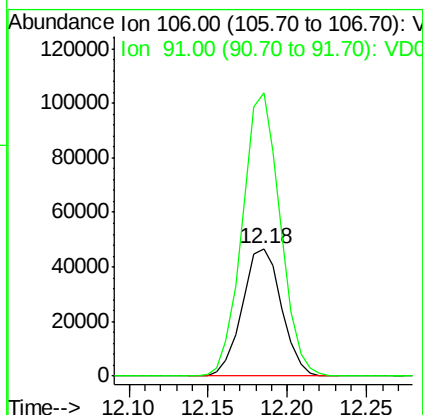
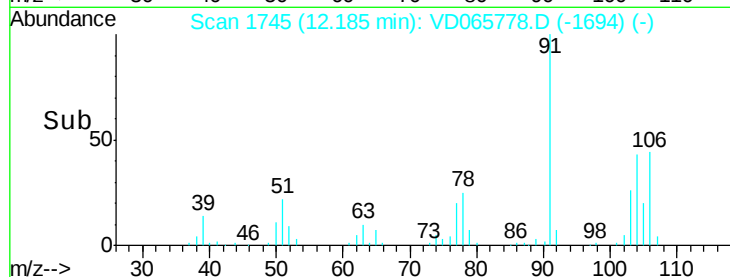
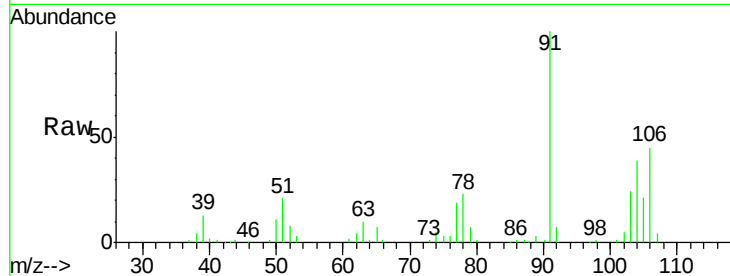
#69
o-Xylene
Concen: 20.812 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBSD01

Tot Ion:106 Resp: 80379
Ion Ratio Lower Upper
106 100
91 214.0 105.3 315.8

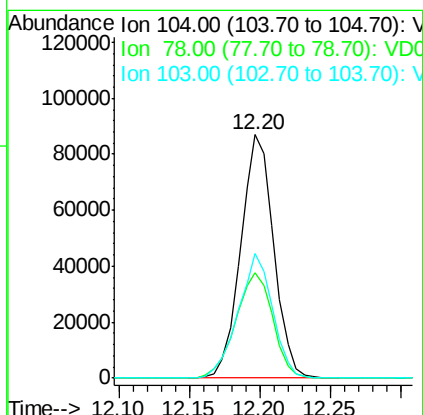
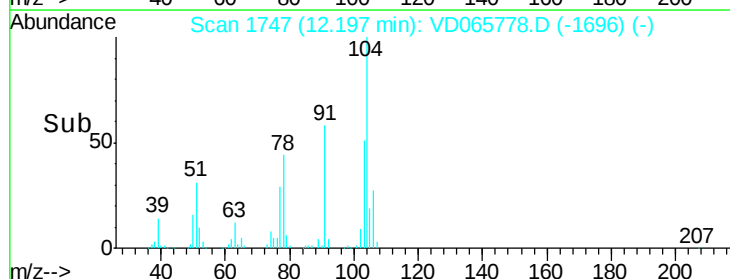
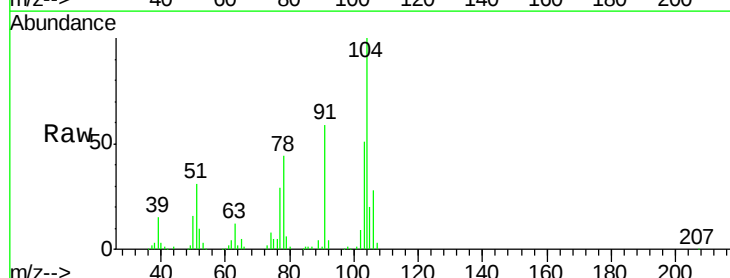
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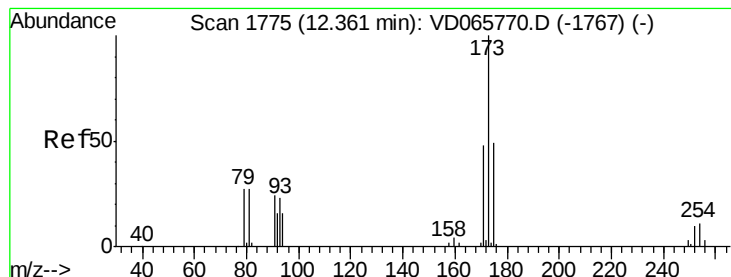
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#70
Styrene
Concen: 21.239 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Tgt Ion:104 Resp: 141999
Ion Ratio Lower Upper
104 100
78 48.8 38.6 58.0
103 53.4 43.9 65.9





#71

Bromoform

Concen: 19.183 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS01

Tot Ion:173 Resp: 24511

Ion Ratio Lower Upper

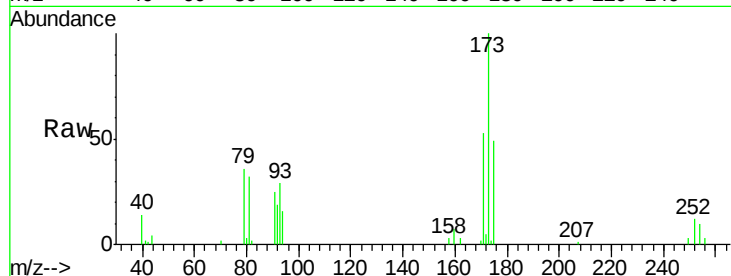
173 100

175 47.5 24.8 74.4

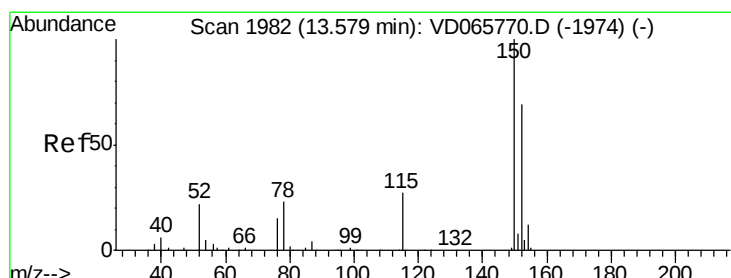
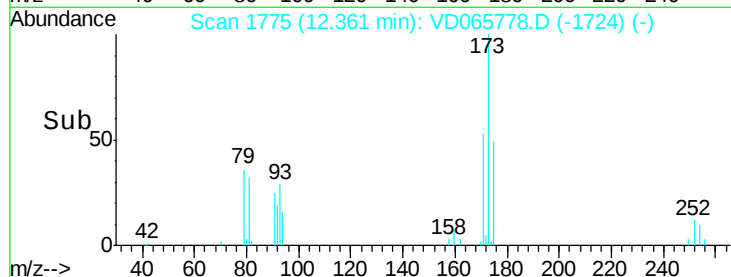
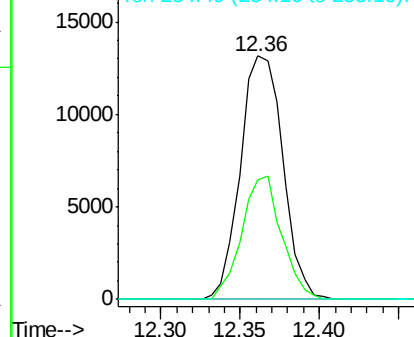
254 0.0 0.0 0.0

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

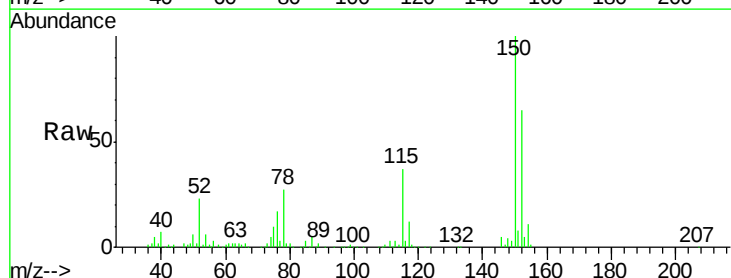
Tgt Ion:152 Resp: 157848

Ion Ratio Lower Upper

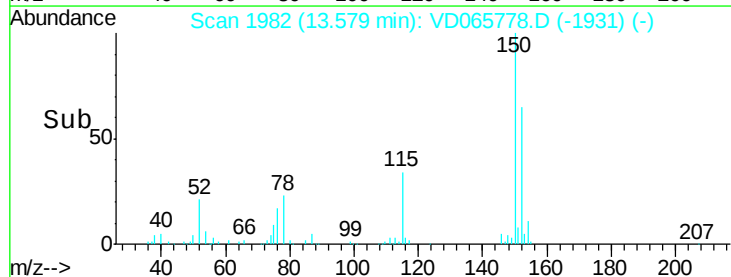
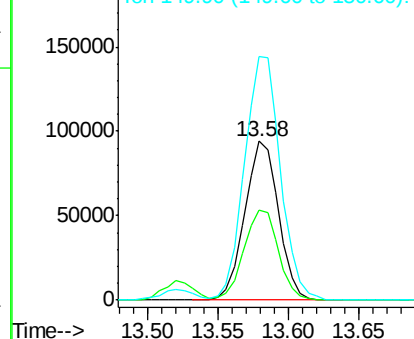
152 100

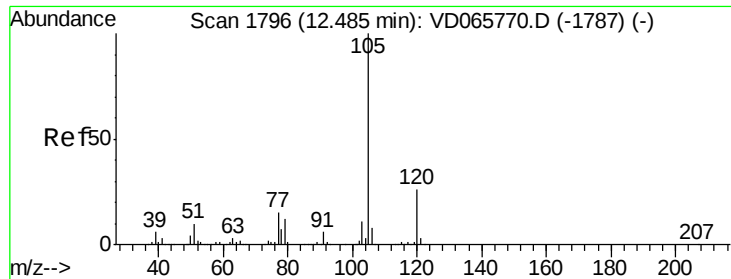
115 57.8 28.7 86.1

150 162.7 0.0 348.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





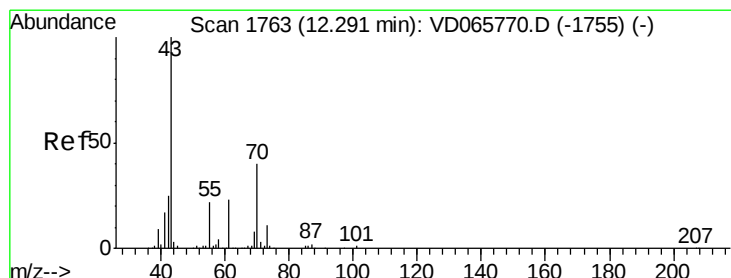
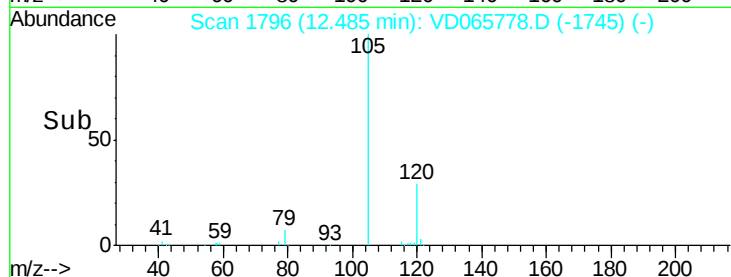
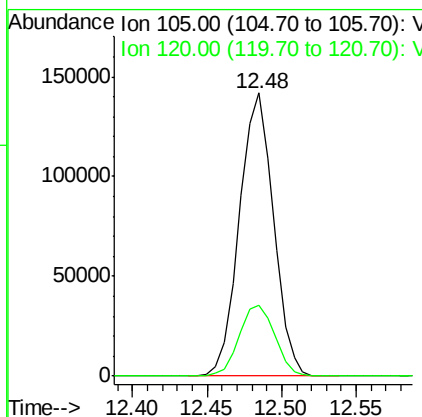
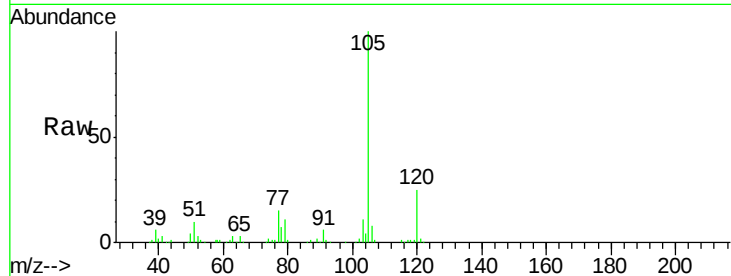
#73
Isopropylbenzene
Concen: 21.256 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	224959		
120	26.1		13.5	40.5

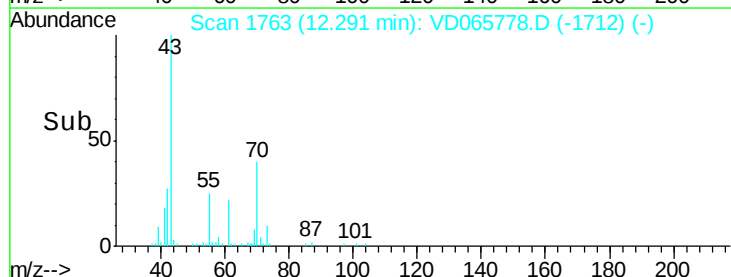
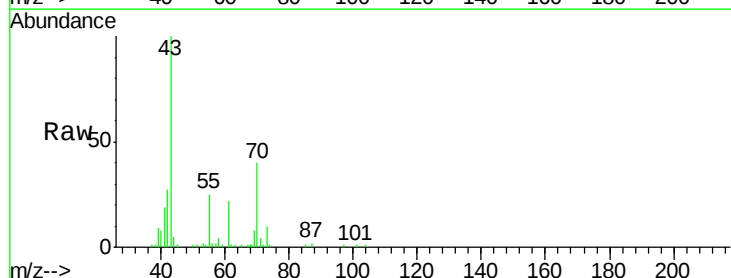
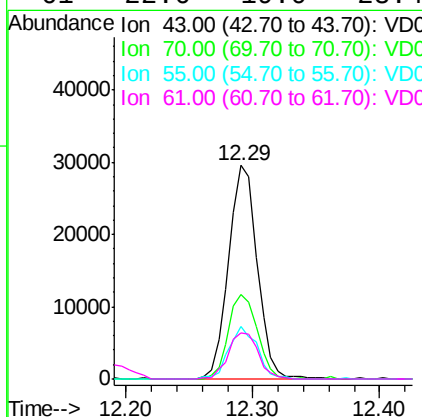
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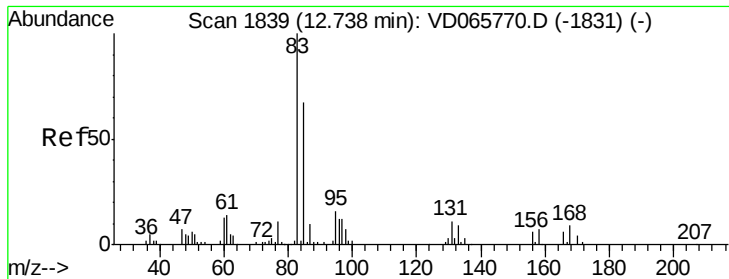
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#74
N-ethyl acetate
Concen: 19.683 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	46343		
70	40.2		32.3	48.5
55	24.4		19.0	28.4
61	22.6		19.0	28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.533 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

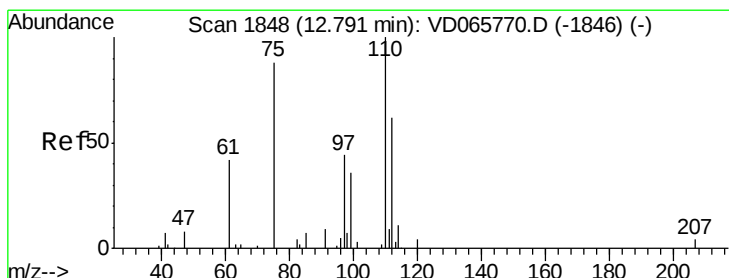
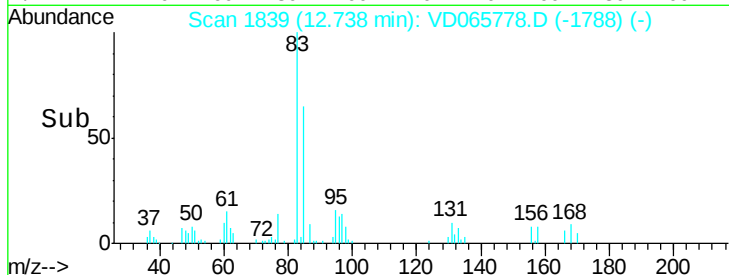
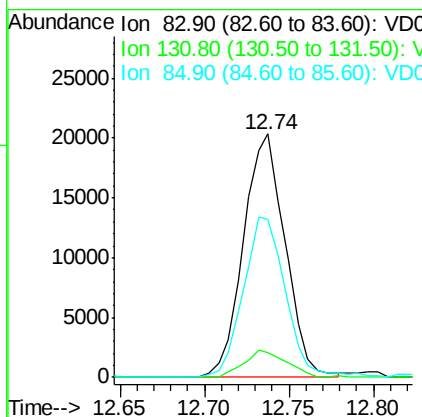
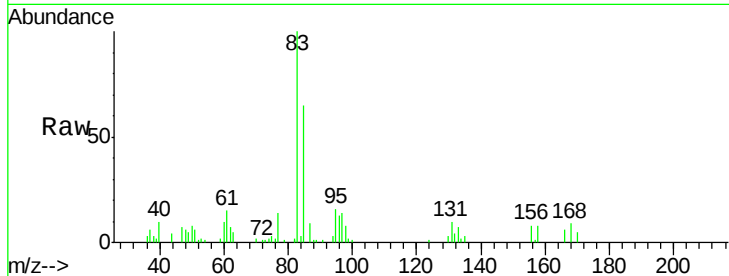
ClientSampleId :

VD0608SBSD01

Tot Ion:	83	Resp:	34911
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.5	16.4
85	67.1	32.5	97.5

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#76

1,2,3-Trichloropropane

Concen: 24.024 ug/l m

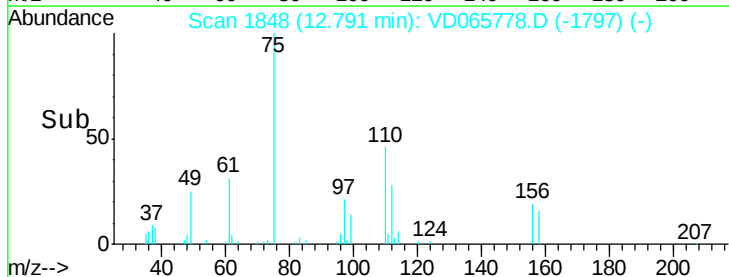
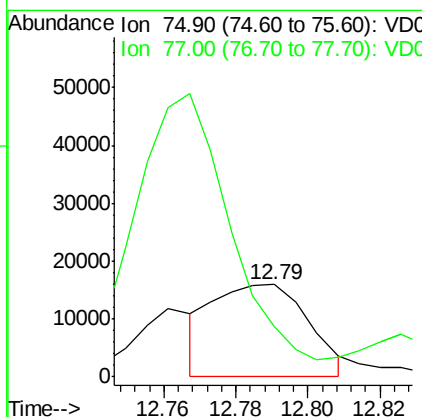
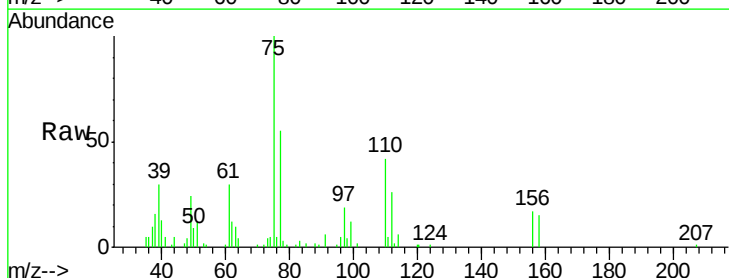
RT: 12.79 min Scan# 1848

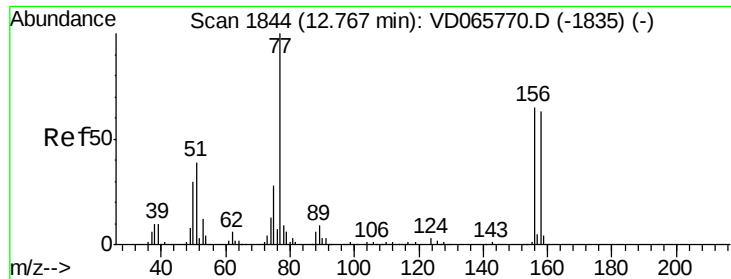
Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Tgt Ion:	75	Resp:	29492
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.596 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

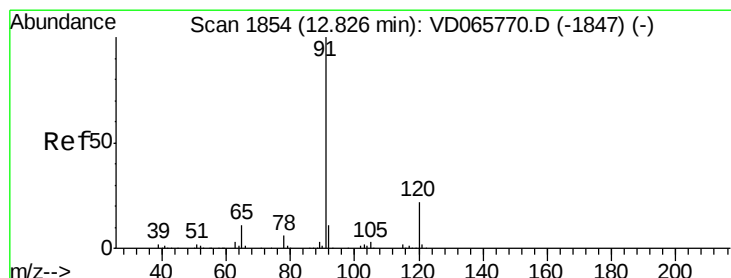
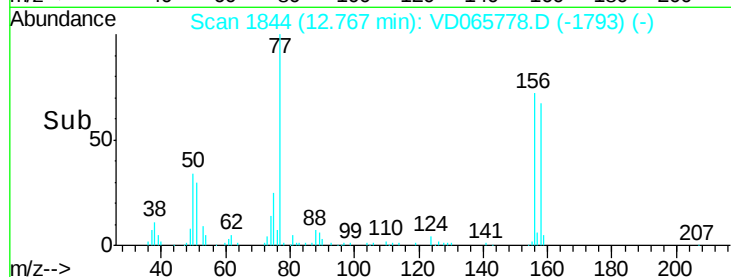
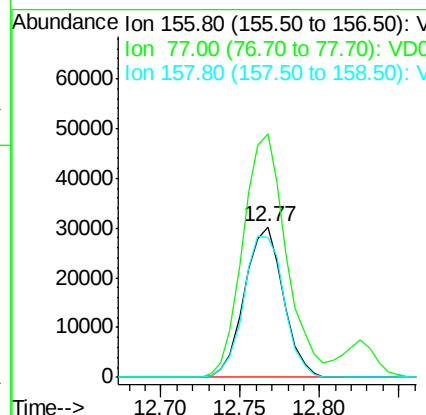
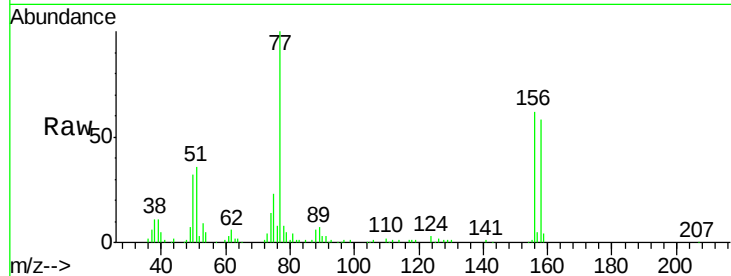
ClientSampleId :

VD0608SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	179.8	87.3	261.8
158	97.5	48.0	144.0

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#78

n-propylbenzene

Concen: 21.273 ug/l

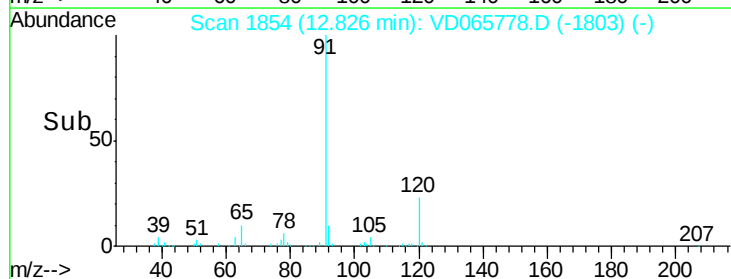
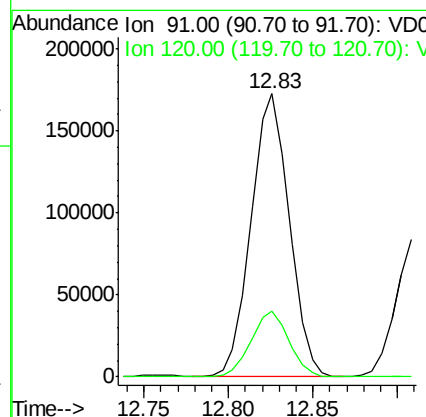
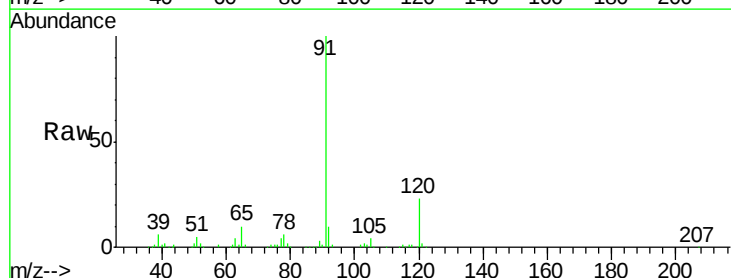
RT: 12.83 min Scan# 1854

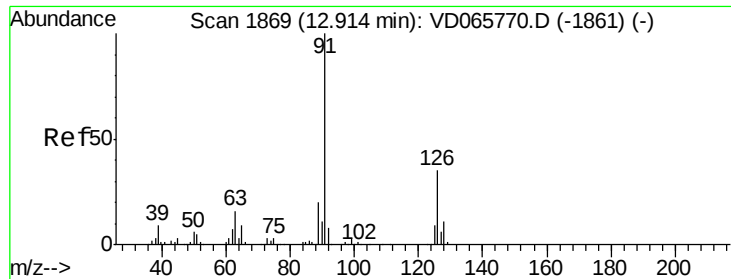
Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.3	33.8





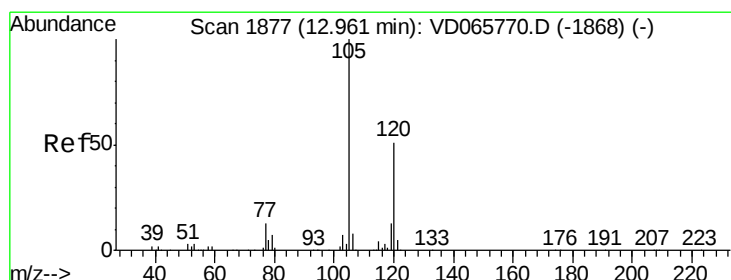
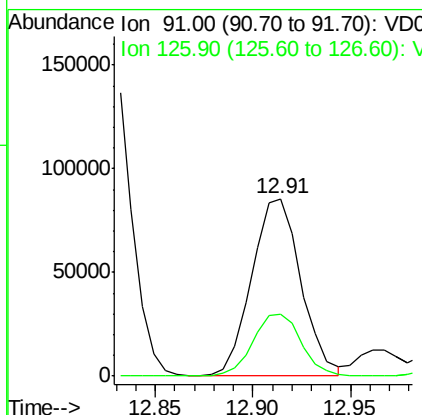
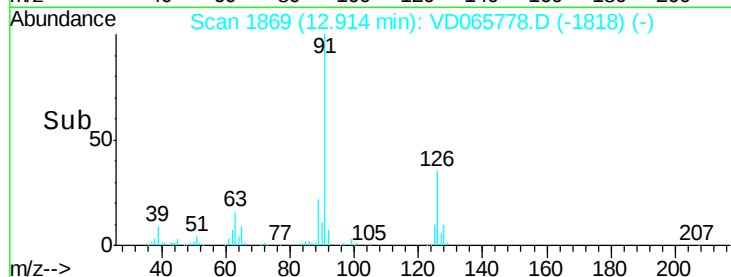
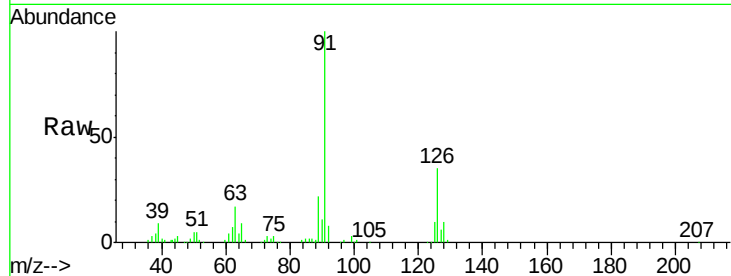
#79
2-Chlorotoluene
Concen: 21.353 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

Tot Ion: 91 Resp: 149223
Ion Ratio Lower Upper
91 100
126 34.4 17.5 52.6

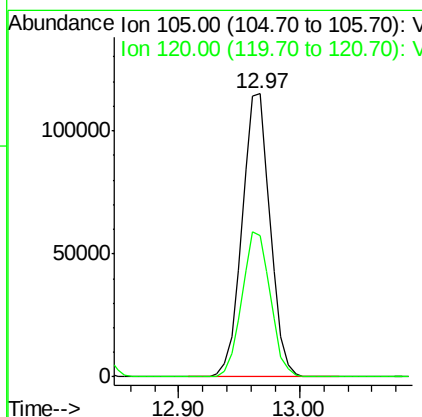
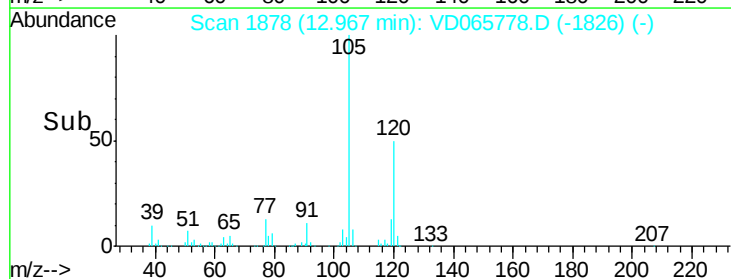
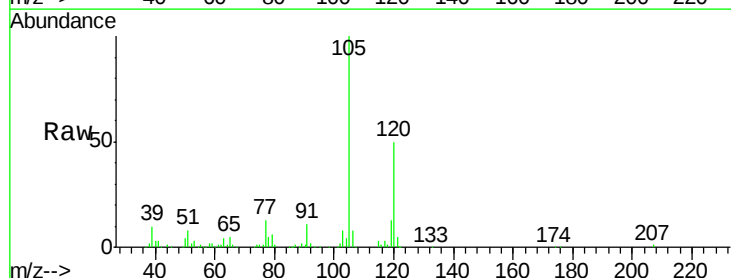
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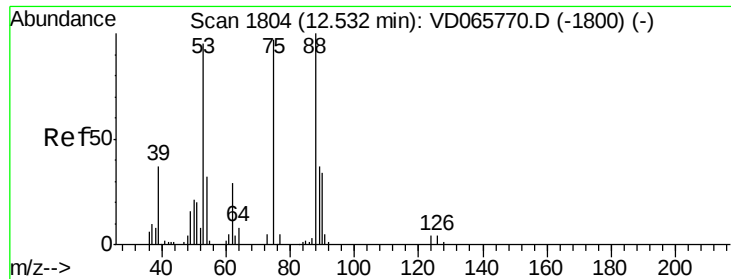
MMDadoda
6/9/2020 2:50:43 PM



#80
1,3,5-Trimethylbenzene
Concen: 21.115 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.01 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Tgt Ion: 105 Resp: 185957
Ion Ratio Lower Upper
105 100
120 52.1 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.956 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD065778.D

Acq: 08 Jun 2020 14:08

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBSD01

Tot Ion: 75 Resp: 10770

Ion Ratio Lower Upper

75 100

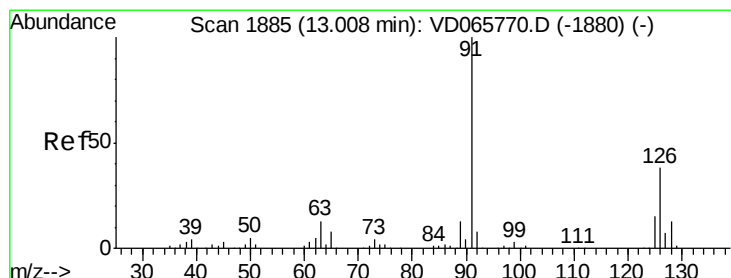
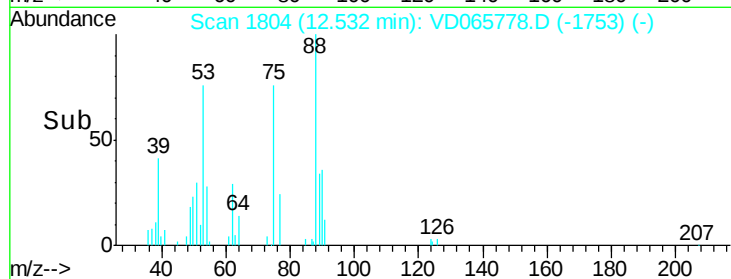
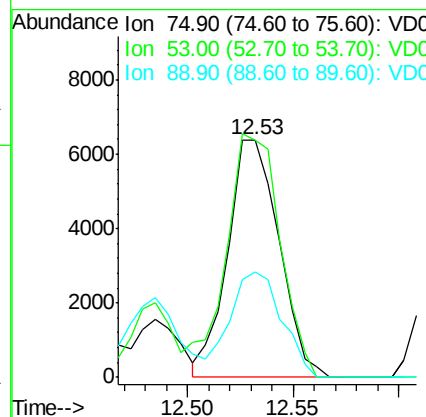
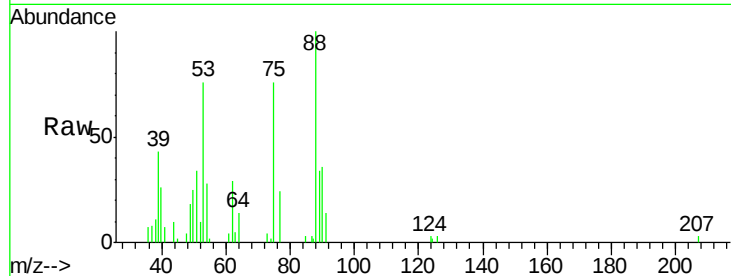
53 108.5 82.6 123.8

89 44.7 35.9 53.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.172 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD065778.D

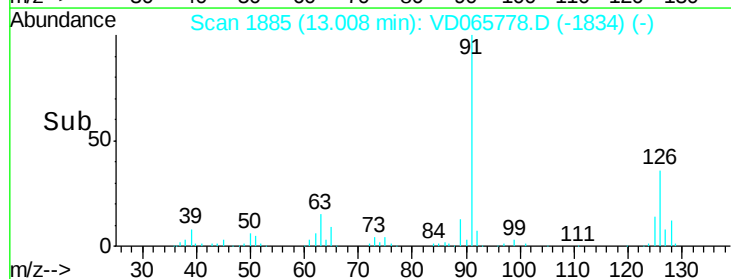
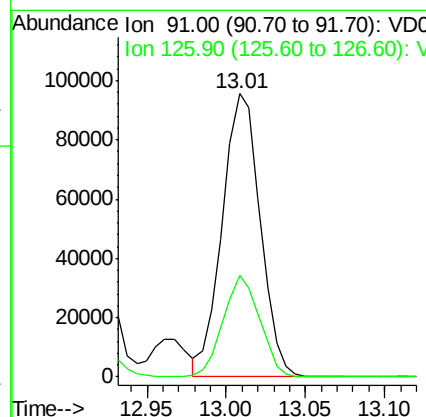
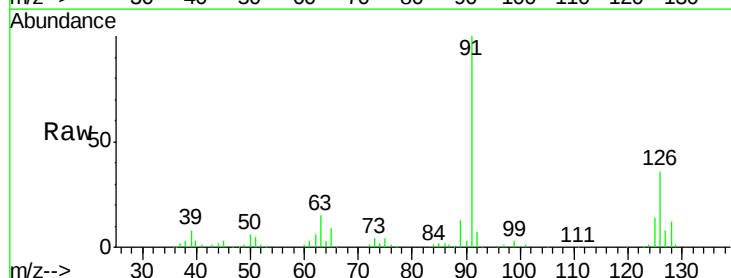
Acq: 08 Jun 2020 14:08

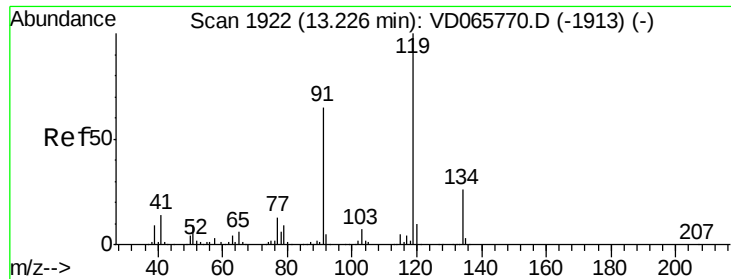
Tgt Ion: 91 Resp: 158818

Ion Ratio Lower Upper

91 100

126 34.5 17.6 52.8





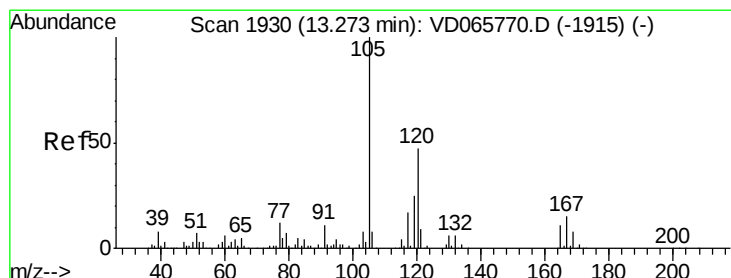
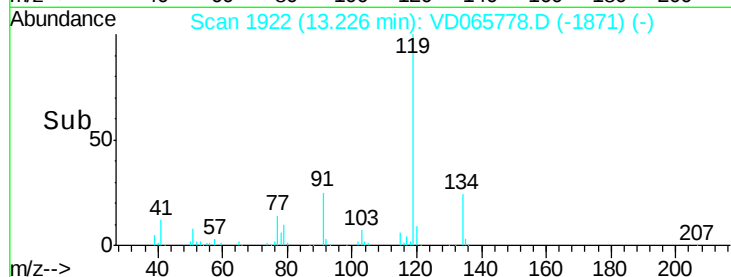
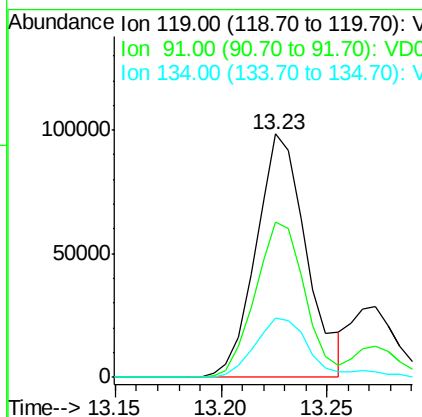
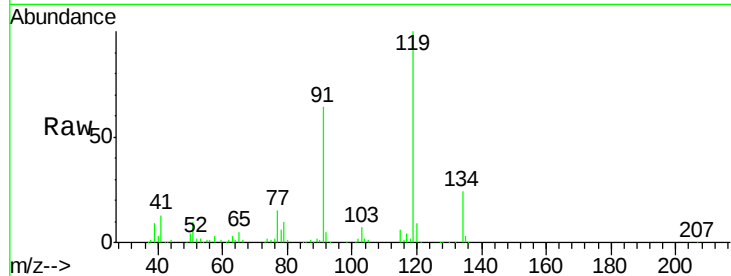
#83
tert-Butylbenzene
Concen: 21.367 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	163277		
91	62.9		32.0	96.0
134	27.2		13.8	41.4

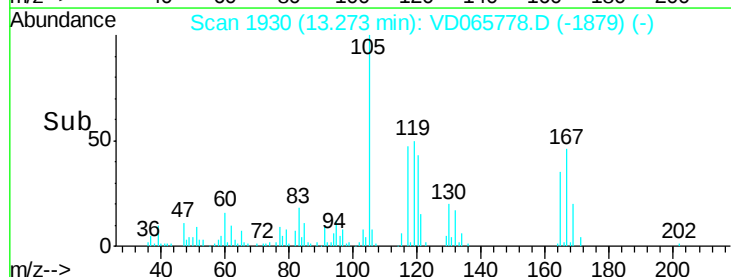
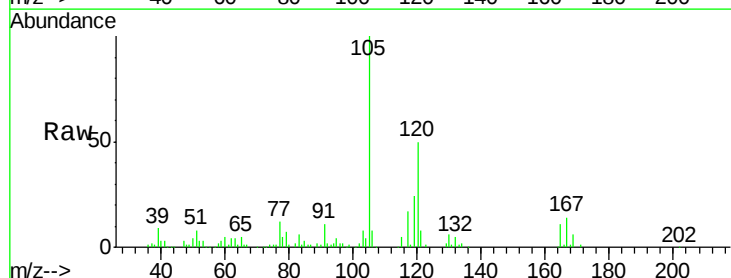
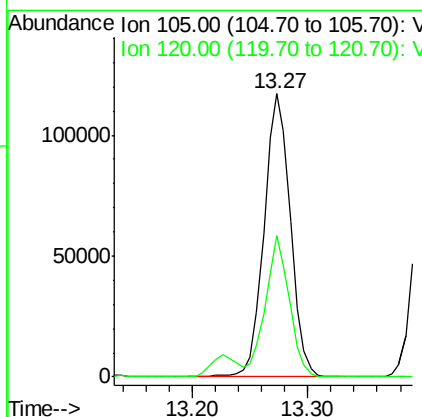
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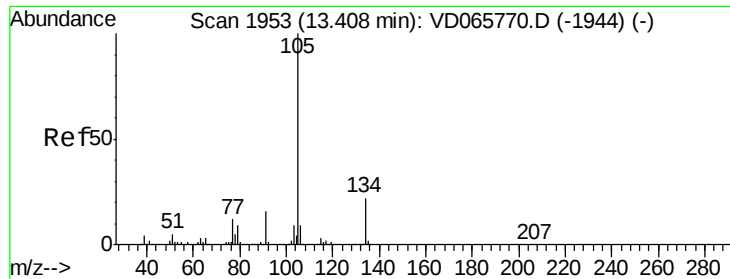
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.123 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	186198		
120	45.5		23.3	69.8





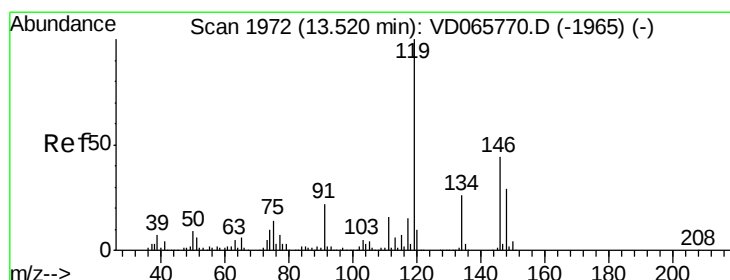
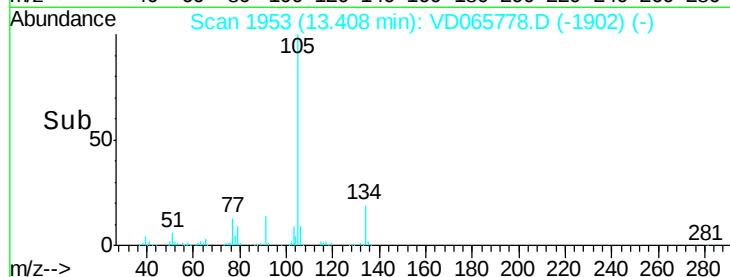
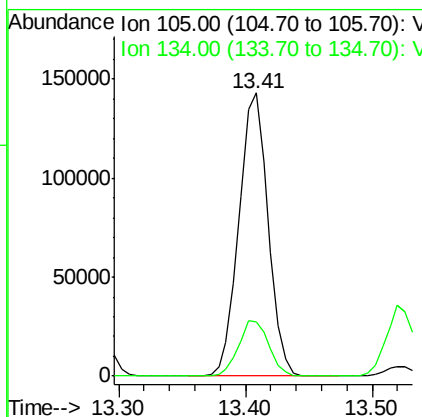
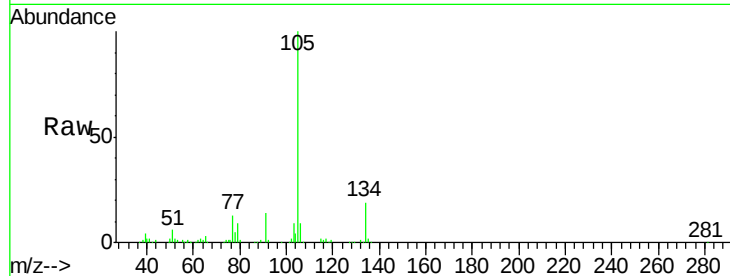
#85
 sec-Butylbenzene
 Concen: 21.393 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.4	31.4

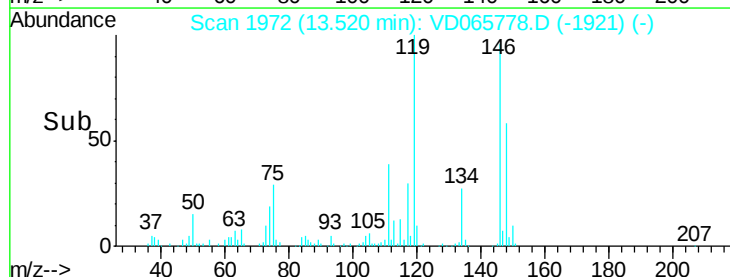
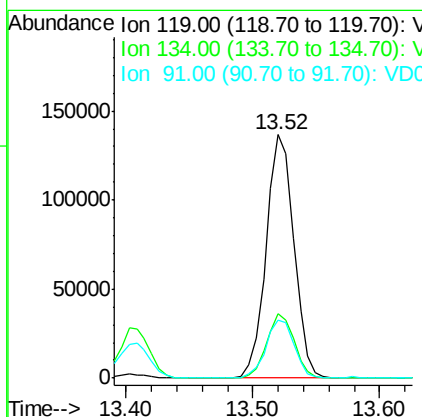
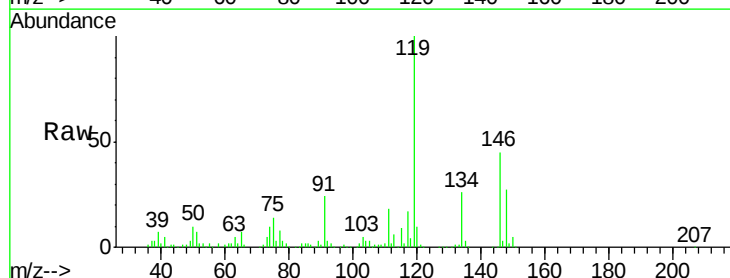
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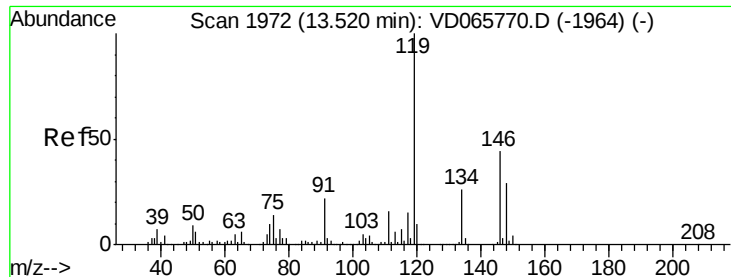
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 21.323 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.3	39.9
91	24.5	11.8	35.4





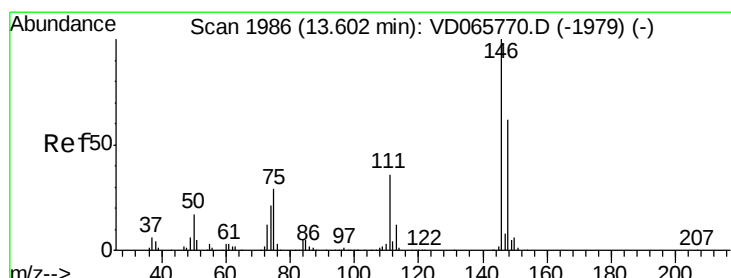
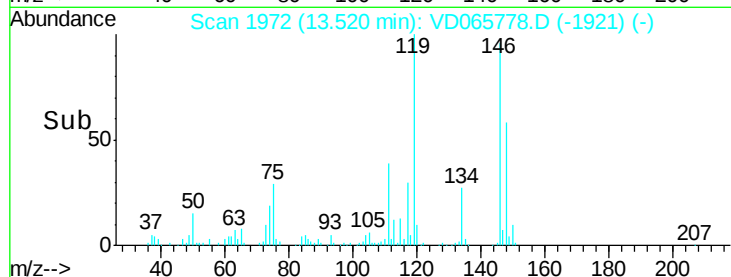
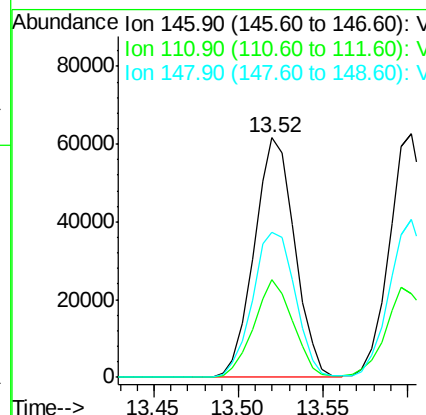
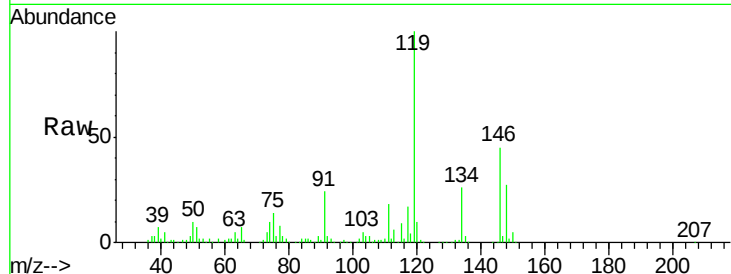
#87
 1,3-Dichlorobenzene
 Concen: 20.730 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.2	57.6
148	64.0	32.1	96.3

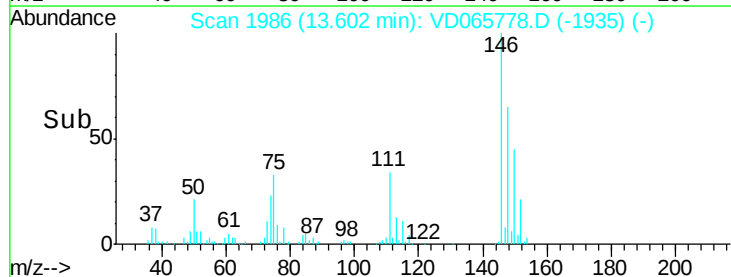
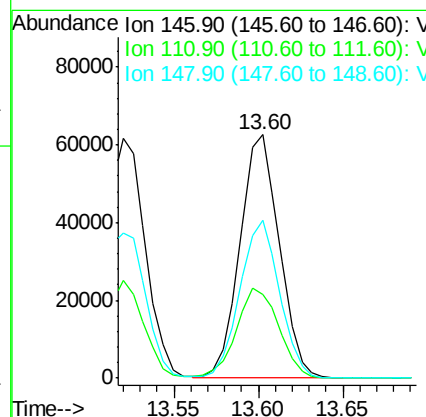
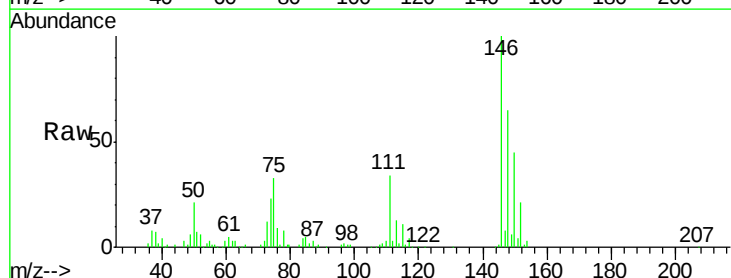
Manual Integrations
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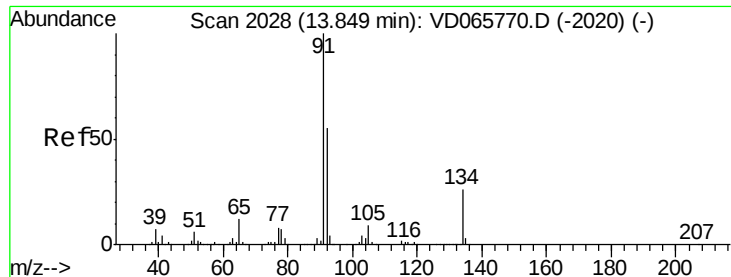
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#88
 1,4-Dichlorobenzene
 Concen: 20.697 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	18.9	56.7
148	65.4	31.6	94.7





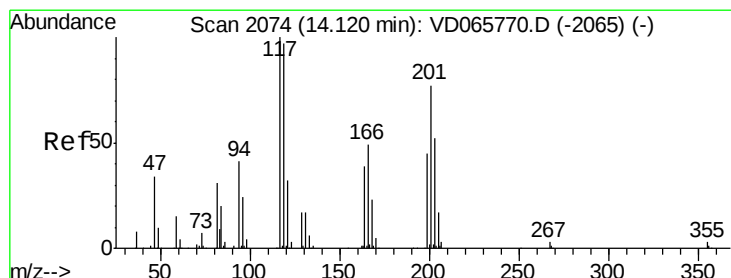
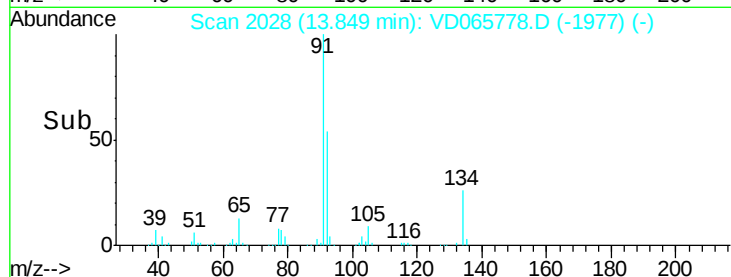
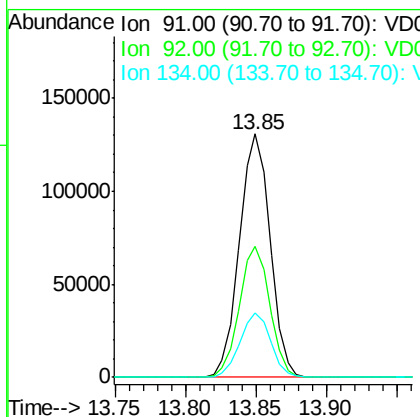
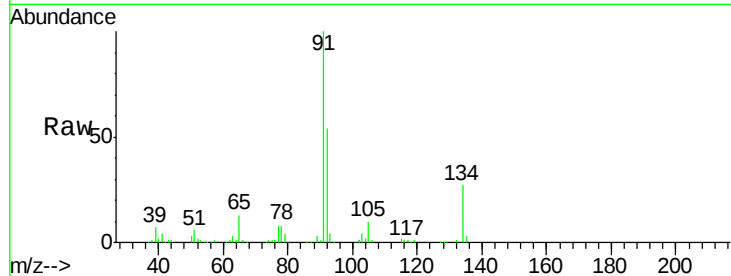
#89
n-Butylbenzene
Concen: 21.445 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	199357		
92	53.1		27.0	81.0
134	26.5		13.0	39.0

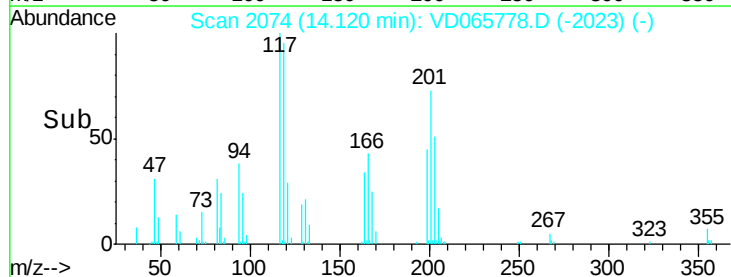
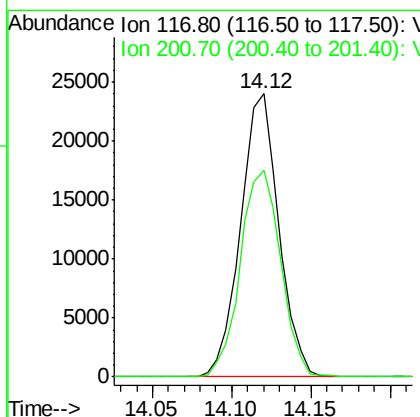
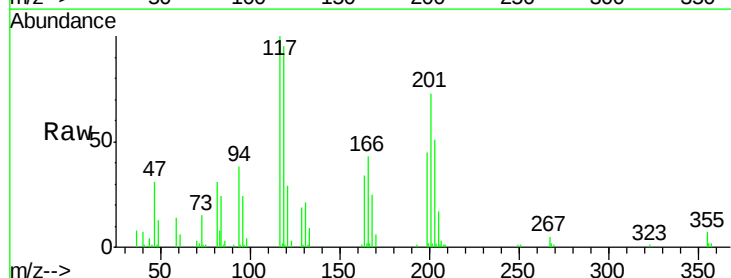
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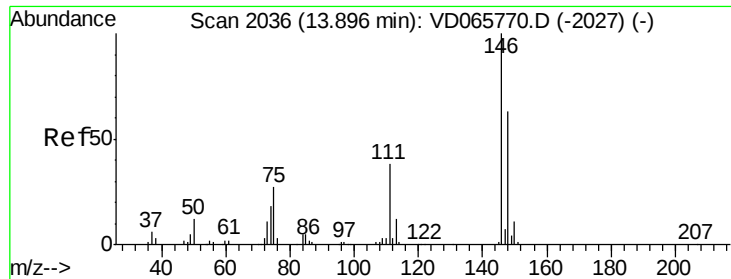
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#90
Hexachloroethane
Concen: 20.580 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	40153		
201	77.4		37.1	111.5





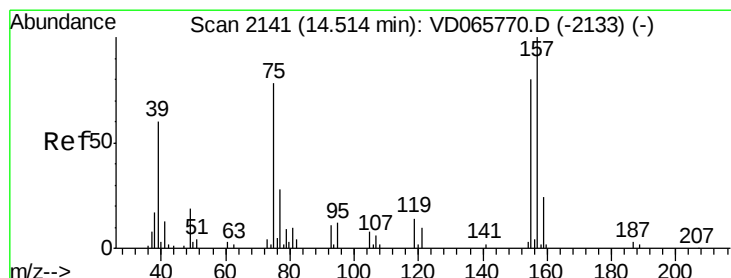
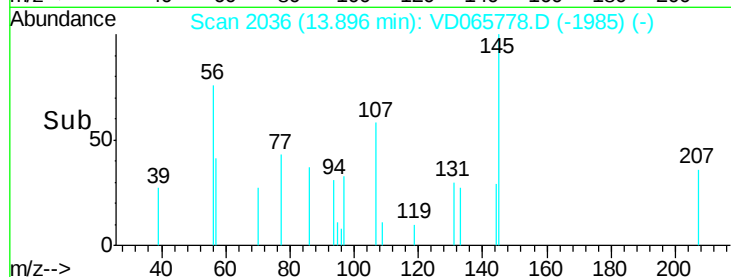
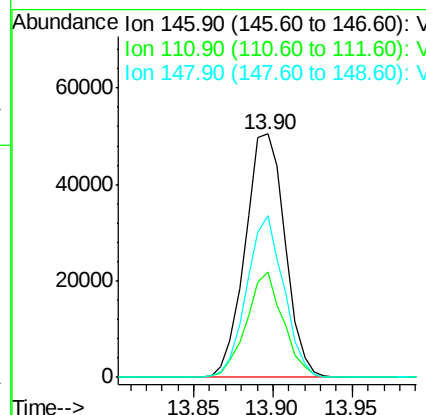
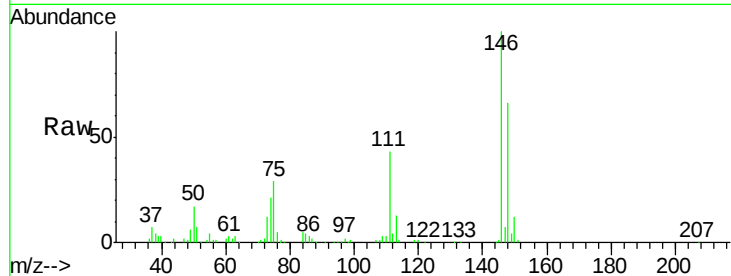
#91
 1,2-Dichlorobenzene
 Concen: 20.772 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.8	59.4
148	61.4	31.9	95.7

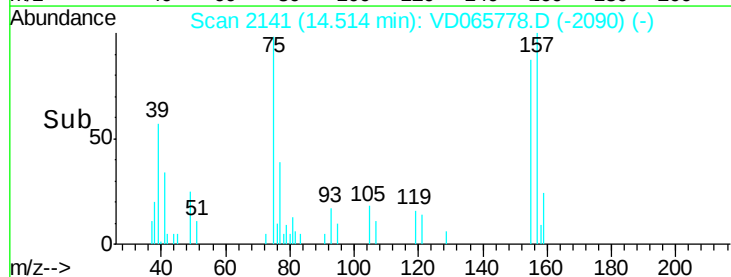
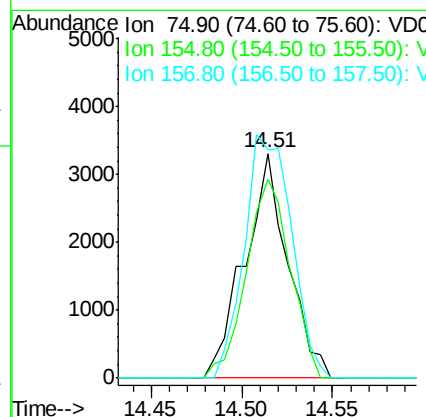
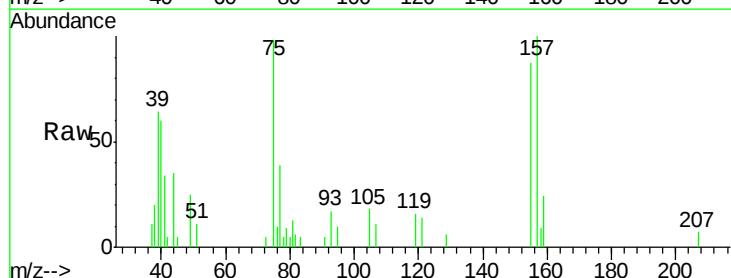
Manual Integrations
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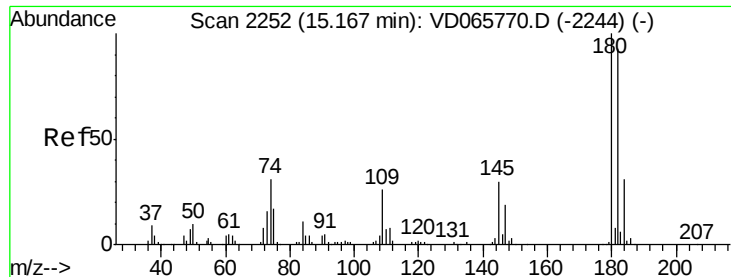
MMDadoda
 6/9/2020 2:50:43 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.487 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.7	46.3	138.9
157	118.0	58.1	174.3





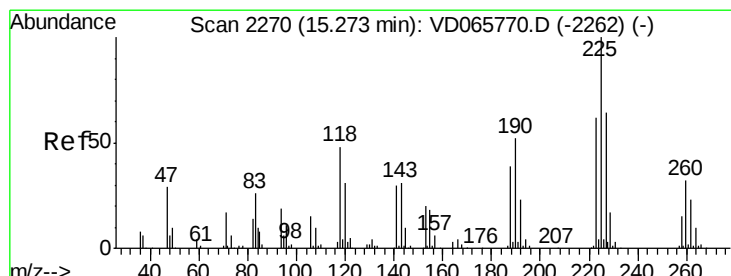
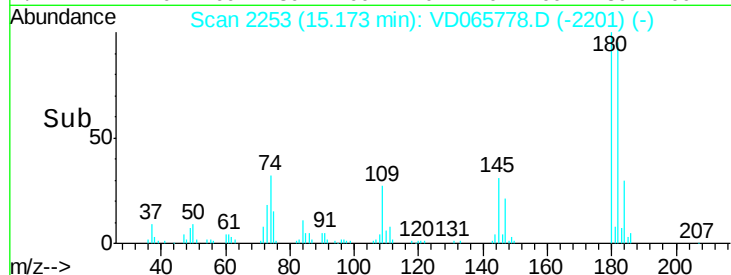
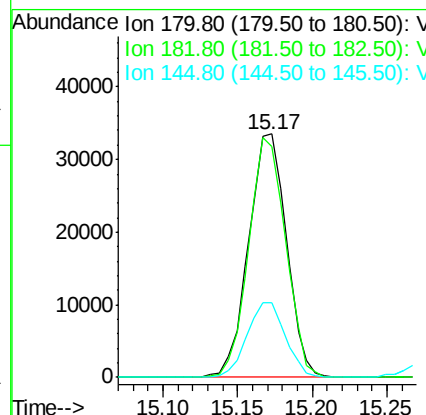
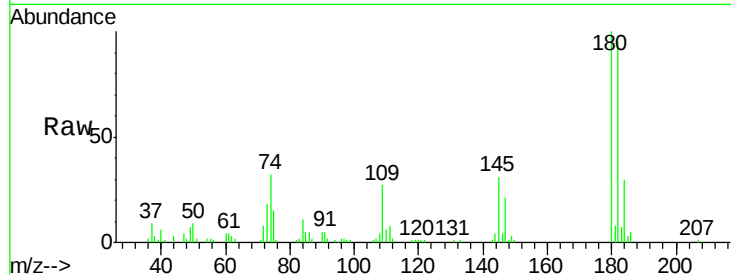
#93
 1,2,4-Trichlorobenzene
 Concen: 20.358 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.0	144.2
145	31.1	14.9	44.9

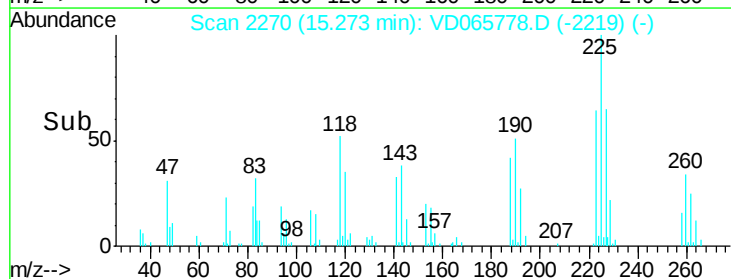
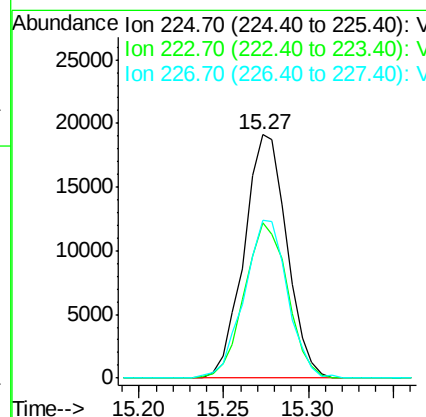
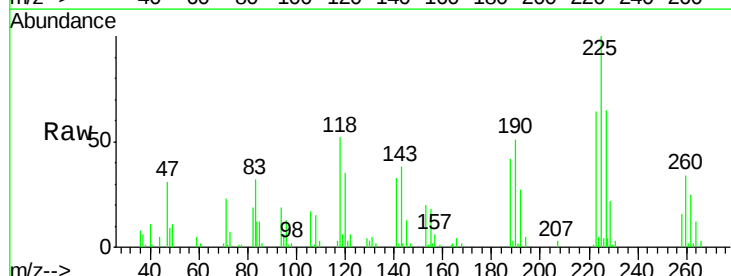
Manual Integrations
 APPROVED

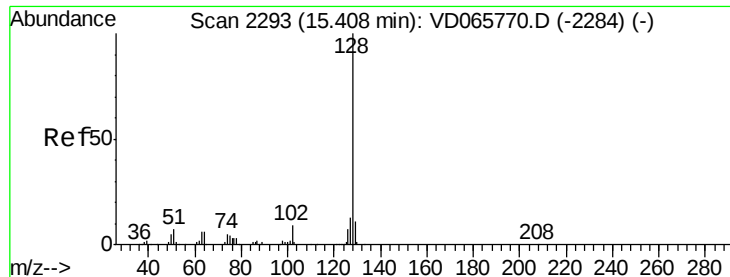
MMDadoda
 6/9/2020 2:50:43 PM



#94
 Hexachlorobutadiene
 Concen: 19.286 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD065778.D
 Acq: 08 Jun 2020 14:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	30.9	92.7
227	65.6	31.9	95.7





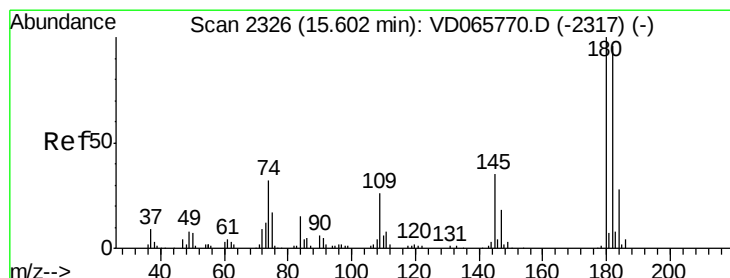
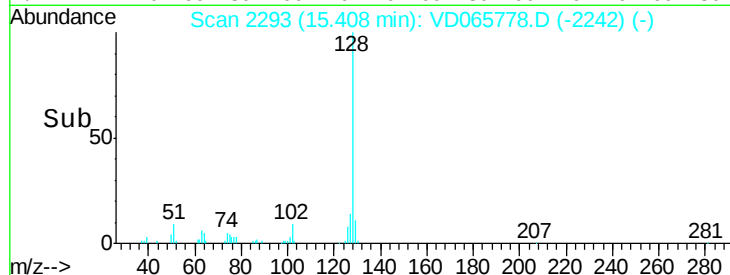
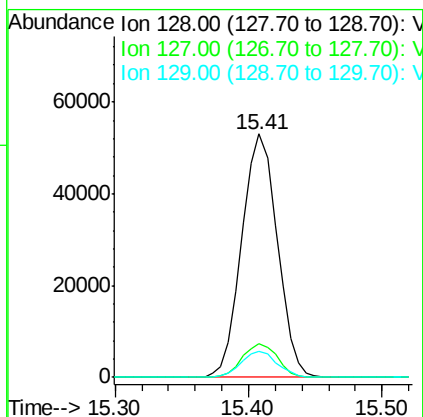
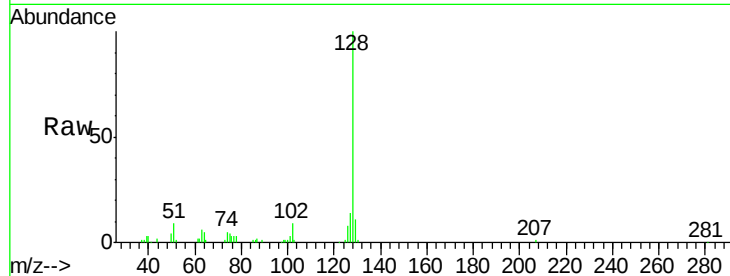
#95
Naphthalene
Concen: 19.953 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.7	16.1
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
6/9/2020 2:50:43 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.410 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD065778.D
Acq: 08 Jun 2020 14:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.0	141.2
145	30.9	16.2	48.6

