

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062220\
 Data File : VD065849.D
 Acq On : 22 Jun 2020 17:24
 Operator : VA/SY
 Sample : VD0622SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/23/2020 11:02:18 AM

Quant Time: Jun 23 07:12:47 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	181157	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	295027	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	272251	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	137610	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	98093	54.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.60%	
35) Dibromofluoromethane	7.91	113	96638	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
50) Toluene-d8	10.34	98	371991	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
62) 4-Bromofluorobenzene	12.64	95	125186	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	30914	23.262	ug/l	97
3) Chloromethane	2.21	50	56036	24.712	ug/l	99
4) Vinyl Chloride	2.35	62	64451	24.114	ug/l	99
5) Bromomethane	2.75	94	44366	23.736	ug/l	97
6) Chloroethane	2.92	64	44525	24.638	ug/l	95
7) Trichlorofluoromethane	3.27	101	68809	22.723	ug/l	98
8) Diethyl Ether	3.70	74	18359	23.060	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.09	101	41011	22.713	ug/l	97
10) Methyl Iodide	4.30	142	37394	21.267	ug/l	98
11) Tert butyl alcohol	5.20	59	15799	142.102	ug/l #	93
12) 1,1-Dichloroethene	4.07	96	36533	22.199	ug/l	97
13) Acrolein	3.92	56	7516	74.752	ug/l	88
14) Allyl chloride	4.71	41	62849	23.106	ug/l	99
15) Acrylonitrile	5.42	53	41864	115.776	ug/l	96
16) Acetone	4.16	43	37060	109.754	ug/l	90
17) Carbon Disulfide	4.40	76	118239	21.406	ug/l	98
18) Methyl Acetate	4.71	43	20333	24.871	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	83769	22.472	ug/l	99
20) Methylene Chloride	4.97	84	46637	23.663	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	43902	22.779	ug/l	98
22) Diisopropyl ether	6.36	45	126284	22.978	ug/l	96
23) Vinyl Acetate	6.31	43	358303	115.452	ug/l	95
24) 1,1-Dichloroethane	6.26	63	75658	22.593	ug/l	97
25) 2-Butanone	7.21	43	52454	112.481	ug/l	91
26) 2,2-Dichloropropane	7.21	77	66491	22.394	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	46746	22.547	ug/l	96
28) Bromochloromethane	7.54	49	28867	22.320	ug/l	98
29) Tetrahydrofuran	7.57	42	34433	116.828	ug/l	95
30) Chloroform	7.71	83	80094	23.076	ug/l	92
31) Cyclohexane	7.99	56	71978	22.421	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	71405	22.373	ug/l	97
36) 1,1-Dichloropropene	8.11	75	61922	21.910	ug/l	100
37) Ethyl Acetate	7.29	43	22161	19.908	ug/l #	94
38) Carbon Tetrachloride	8.10	117	63683	21.411	ug/l	99

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Manual Integrations
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MMDadoda
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 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)
39) Methylcyclohexane	9.36	83	70020	20.926	ug/l	96
40) Benzene	8.35	78	169474	21.935	ug/l	99
41) Methacrylonitrile	7.53	41	14162	21.366	ug/l	92
42) 1,2-Dichloroethane	8.43	62	51018	21.885	ug/l	99
43) Isopropyl Acetate	8.46	43	47650	21.526	ug/l	99
44) Trichloroethene	9.11	130	46380	21.571	ug/l	96
45) 1,2-Dichloropropane	9.39	63	41912	21.589	ug/l	95
46) Dibromomethane	9.48	93	22420	21.294	ug/l	94
47) Bromodichloromethane	9.67	83	59885	21.225	ug/l	94
48) Methyl methacrylate	9.46	41	21525	20.089	ug/l	91
49) 1,4-Dioxane	9.46	88	5043	450.003	ug/l	88
51) 4-Methyl-2-Pentanone	10.23	43	120503	111.095	ug/l	98
52) Toluene	10.41	92	110267	21.965	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	56856	22.254	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	66562	22.059	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	30744	21.854	ug/l	96
56) Ethyl methacrylate	10.66	69	35389	21.387	ug/l	97
57) 1,3-Dichloropropane	10.95	76	52596	21.580	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	87353	113.549	ug/l	98
59) 2-Hexanone	10.98	43	81610	111.598	ug/l	99
60) Dibromochloromethane	11.14	129	40731	21.432	ug/l	95
61) 1,2-Dibromoethane	11.25	107	28558	20.656	ug/l	98
64) Tetrachloroethene	10.88	164	38639	20.988	ug/l	96
65) Chlorobenzene	11.67	112	113353	21.327	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.74	131	42682	21.544	ug/l	99
67) Ethyl Benzene	11.75	91	205161	21.608	ug/l	95
68) m/p-Xylenes	11.86	106	159822	43.700	ug/l	99
69) o-Xylene	12.18	106	71181	21.586	ug/l	97
70) Styrene	12.20	104	127228	22.288	ug/l	100
71) Bromoform	12.36	173	22982	21.065	ug/l #	97
73) Isopropylbenzene	12.48	105	196866	21.338	ug/l	100
74) N-amyl acetate	12.29	43	44730	21.792	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	34413	22.086	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	19924m	18.617	ug/l	
77) Bromobenzene	12.77	156	47187	21.616	ug/l	98
78) n-propylbenzene	12.83	91	244313	21.999	ug/l	100
79) 2-Chlorotoluene	12.91	91	133963	21.988	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	167692	21.841	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	11233	22.678	ug/l	96
82) 4-Chlorotoluene	13.01	91	144196	22.050	ug/l	98
83) tert-Butylbenzene	13.23	119	143801	21.586	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	167277	21.767	ug/l	100
85) sec-Butylbenzene	13.41	105	205208	22.134	ug/l	98
86) p-Isopropyltoluene	13.52	119	184592	21.723	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	93817	21.797	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	91631	21.401	ug/l	99
89) n-Butylbenzene	13.85	91	176557	21.785	ug/l	98
90) Hexachloroethane	14.11	117	36626	21.533	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	81286	21.944	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5262	20.292	ug/l	95

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MSVOA_D
ClientSampleId :
VD0622SBSD01

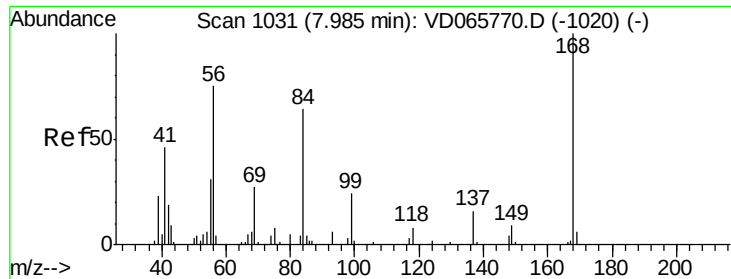
Manual Integrations
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6/23/2020 11:02:18 AM

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Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.17	180	51912	20.611	ug/l	99
94) Hexachlorobutadiene	15.27	225	29824	19.588	ug/l	99
95) Naphthalene	15.41	128	86853	20.358	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	43840	20.210	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: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion:168 Resp: 181157

Ion Ratio Lower Upper

168 100

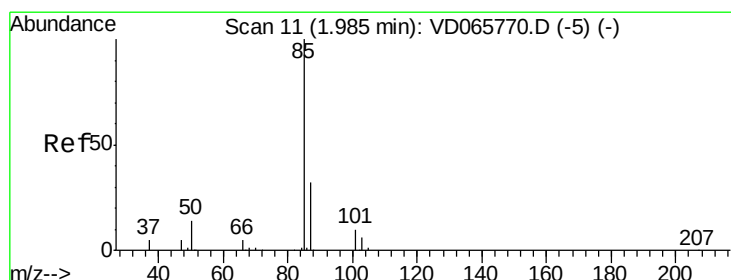
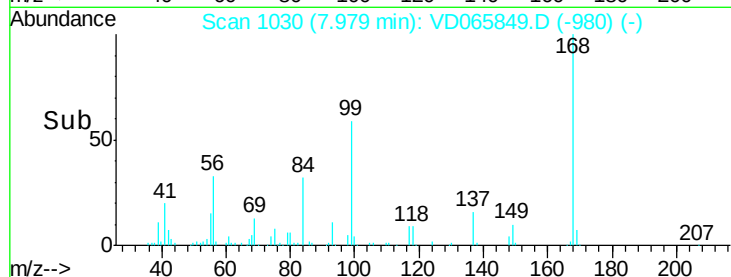
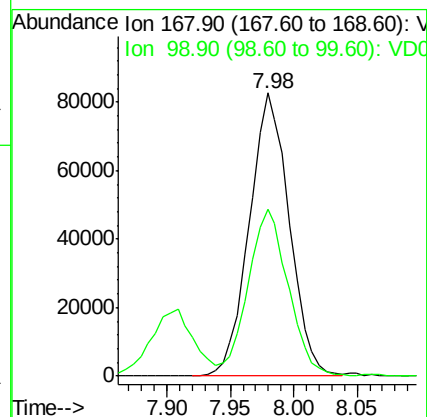
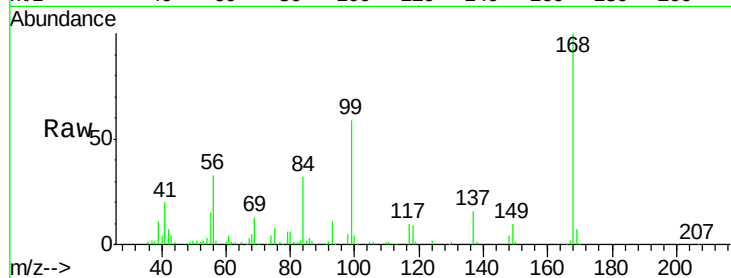
99 58.5 45.3 67.9

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 23.262 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065849.D

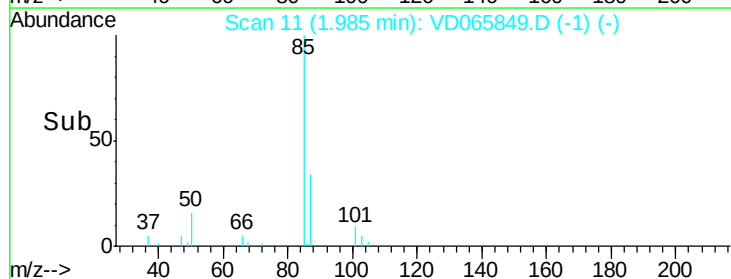
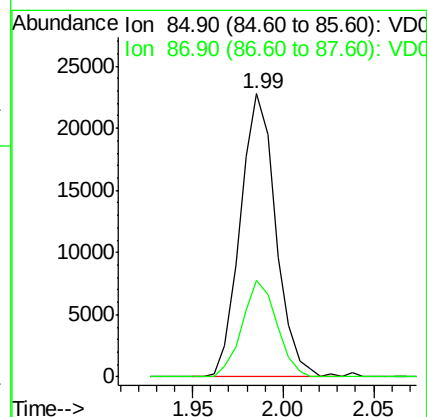
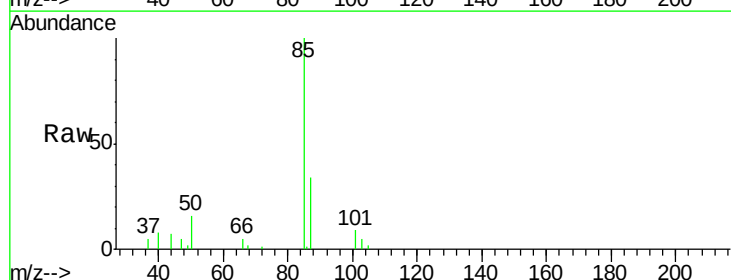
Acq: 22 Jun 2020 17:24

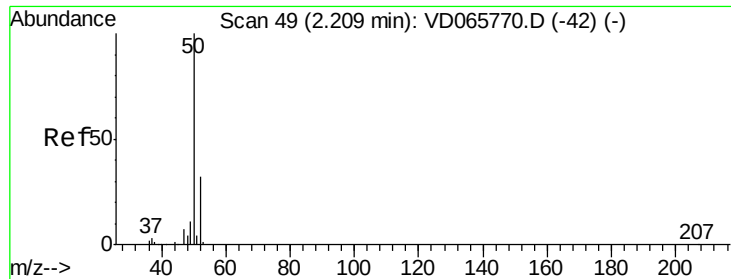
Tgt Ion: 85 Resp: 30914

Ion Ratio Lower Upper

85 100

87 34.0 16.2 48.5





#3

Chloromethane

Concen: 24.712 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 50 Resp: 56036

Ion Ratio Lower Upper

50 100

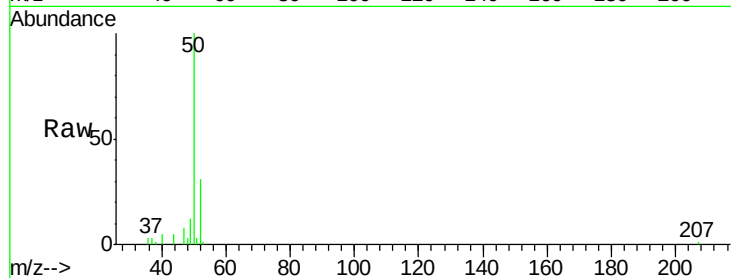
52 31.2 25.6 38.4

Manual Integrations

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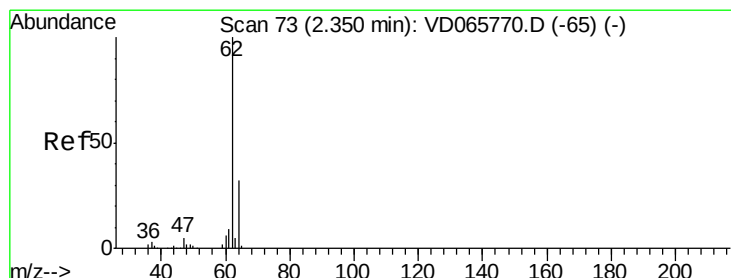
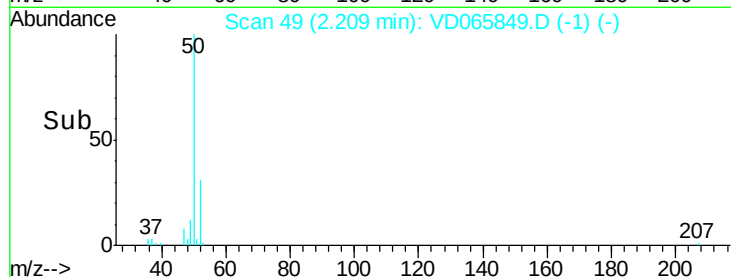
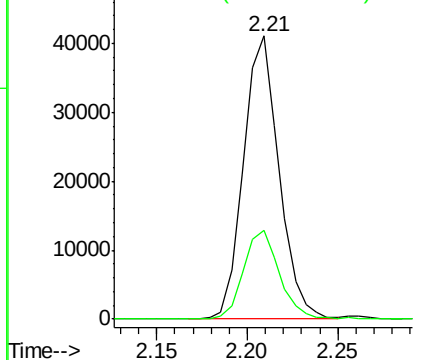
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 24.114 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065849.D

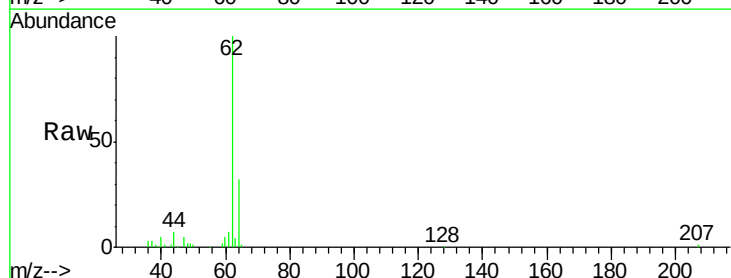
Acq: 22 Jun 2020 17:24

Tgt Ion: 62 Resp: 64451

Ion Ratio Lower Upper

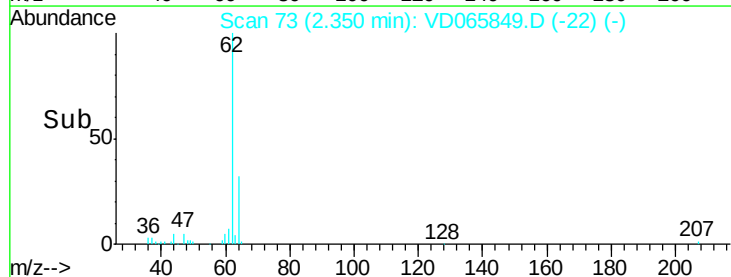
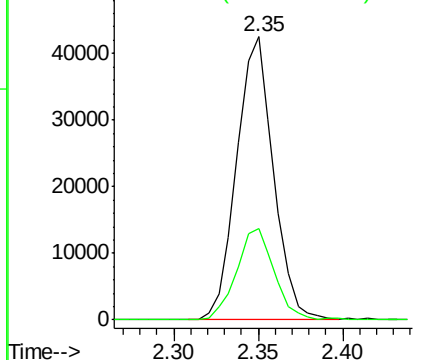
62 100

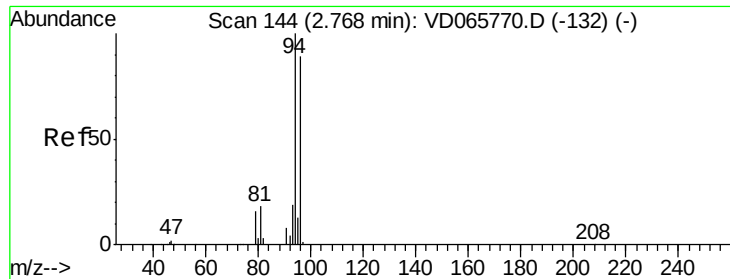
64 32.3 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 23.736 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 94 Resp: 44366

Ion Ratio Lower Upper

94 100

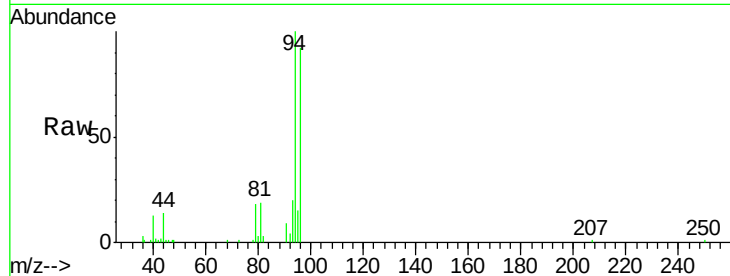
96 92.3 71.4 107.0

Manual Integrations

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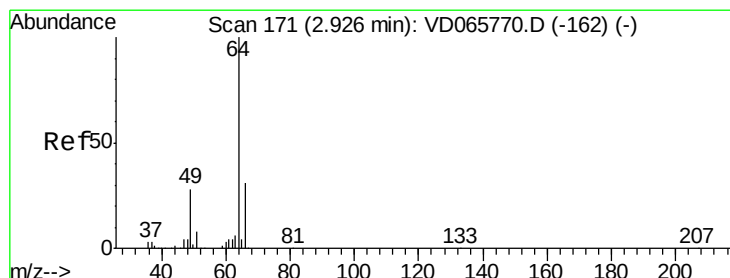
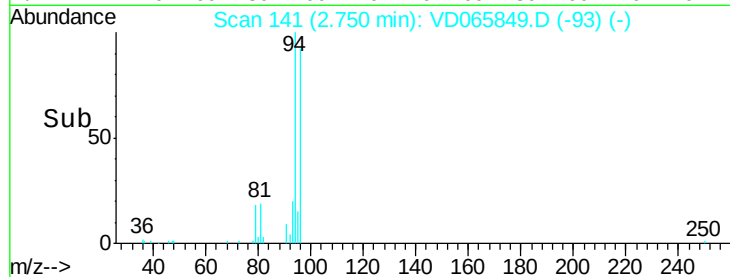
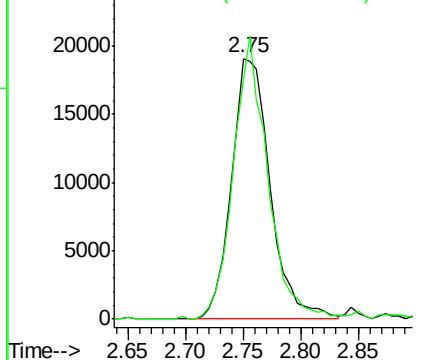
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 24.638 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065849.D

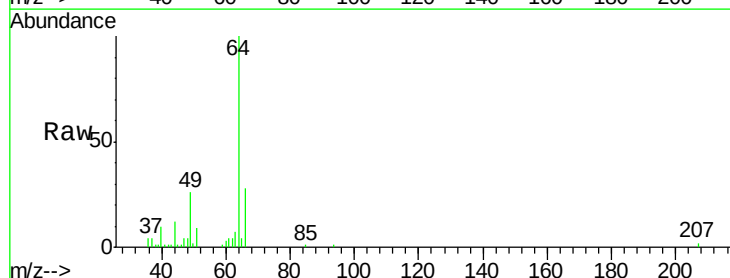
Acq: 22 Jun 2020 17:24

Tgt Ion: 64 Resp: 44525

Ion Ratio Lower Upper

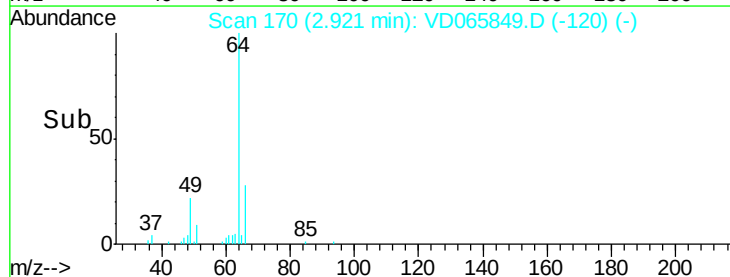
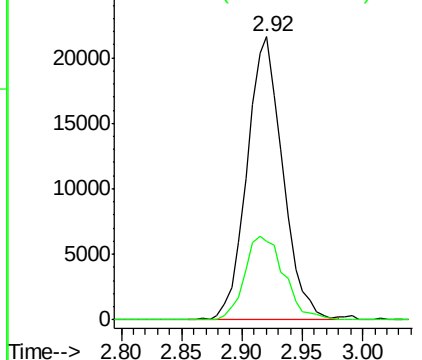
64 100

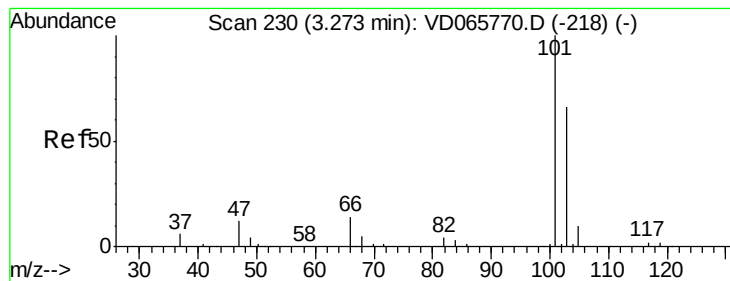
66 27.6 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

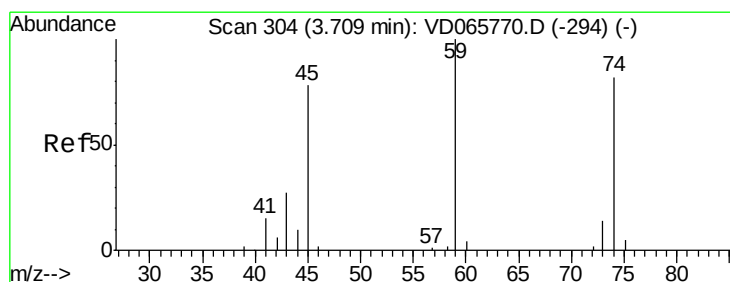
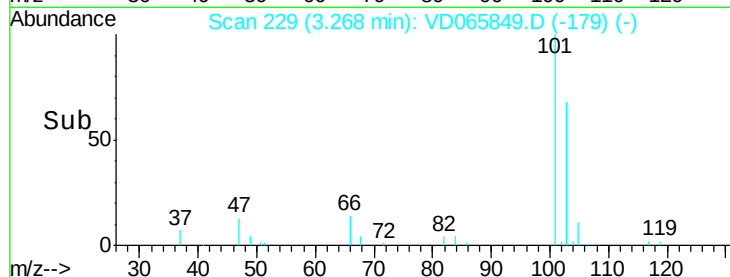
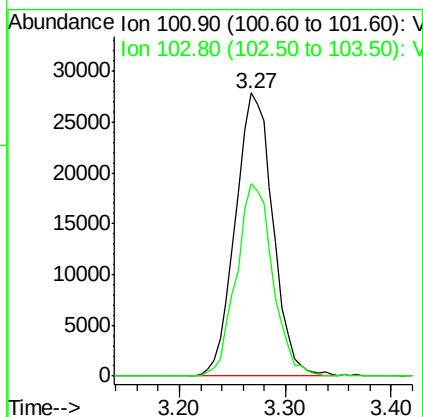
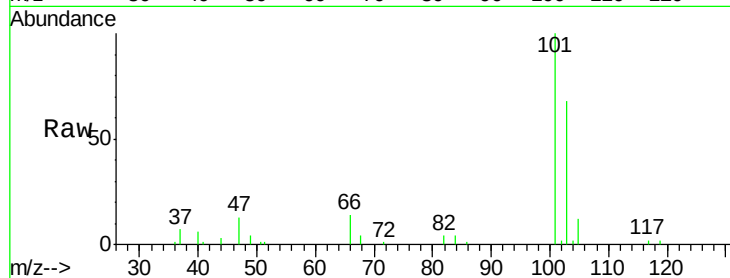
Trichlorofluoromethane
Concen: 22.723 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

Tot Ion:101 Resp: 68809
Ion Ratio Lower Upper
101 100
103 68.1 53.1 79.7

Manual Integrations
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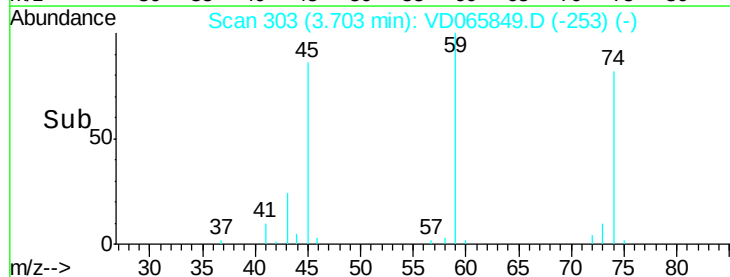
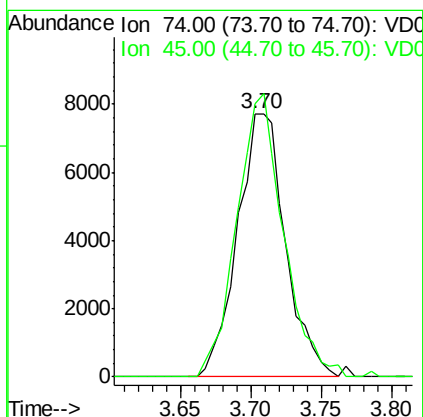
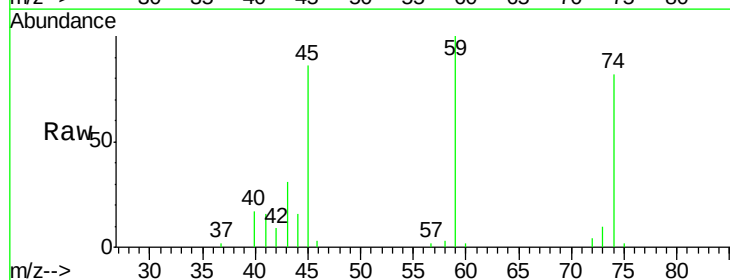
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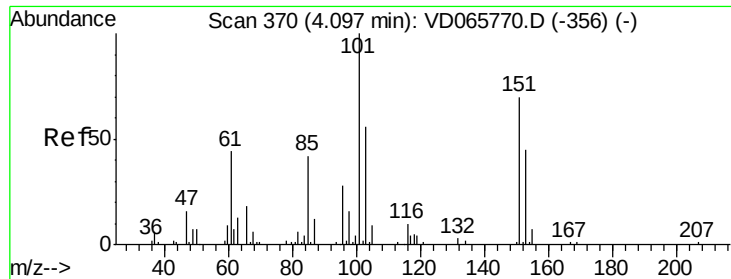


#8

Diethyl Ether
Concen: 23.060 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Tgt Ion: 74 Resp: 18359
Ion Ratio Lower Upper
74 100
45 104.9 47.9 143.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.713 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

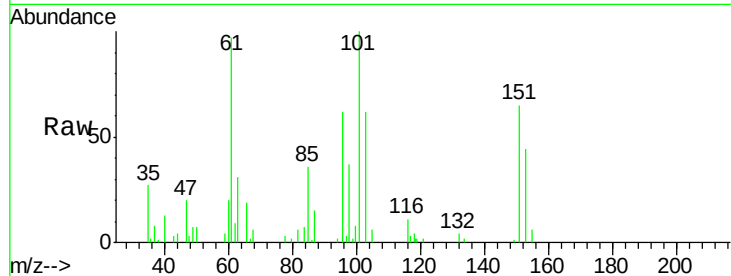
ClientSampleId :

VD0622SBS01

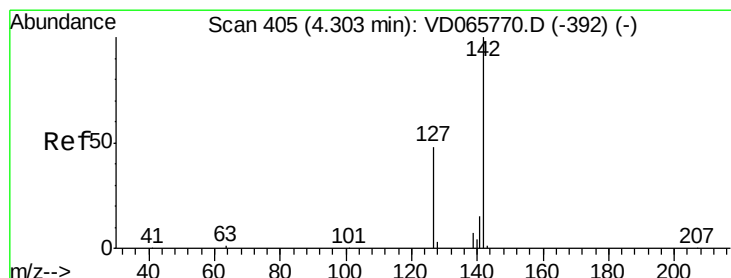
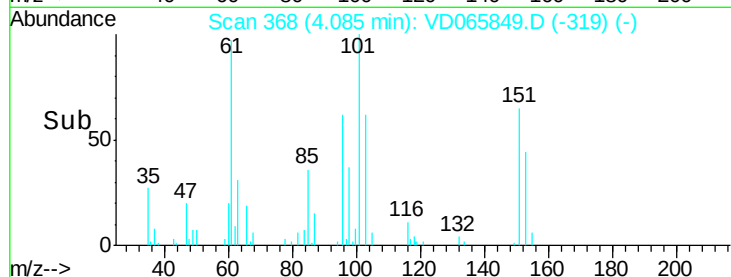
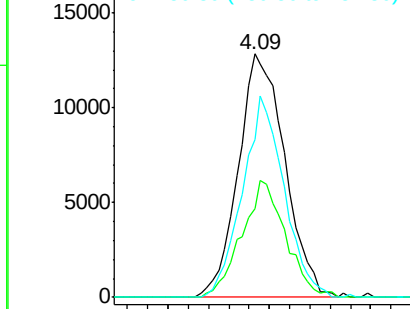
Tot Ion:	101	Resp:	41011
Ion Ratio	Lower	Upper	
101	100		
85	45.2	36.5	54.7
151	74.0	61.8	92.6

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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: 21.267 ug/l

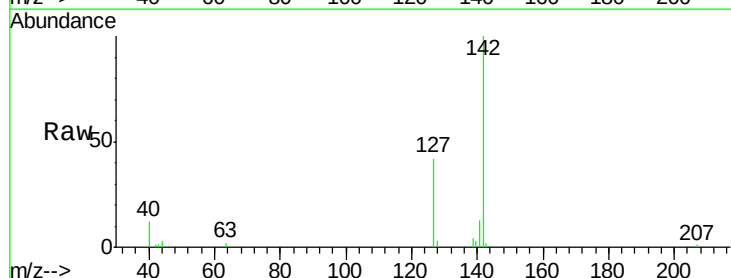
RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

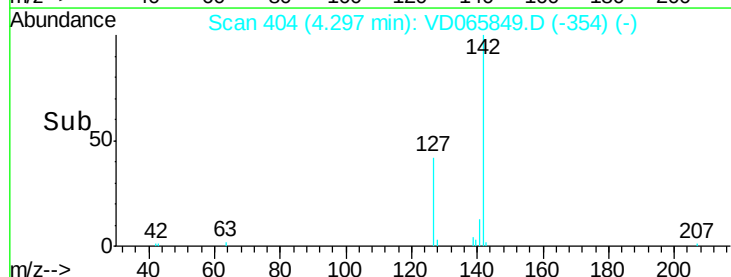
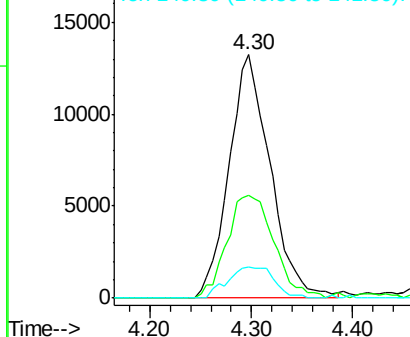
Lab File: VD065849.D

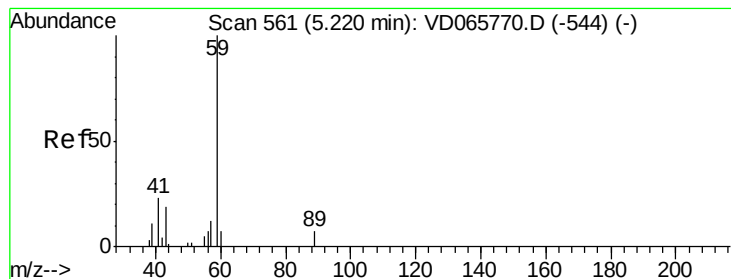
Acq: 22 Jun 2020 17:24

Tgt Ion:	142	Resp:	37394
Ion Ratio	Lower	Upper	
142	100		
127	48.1	37.6	56.4
141	14.4	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

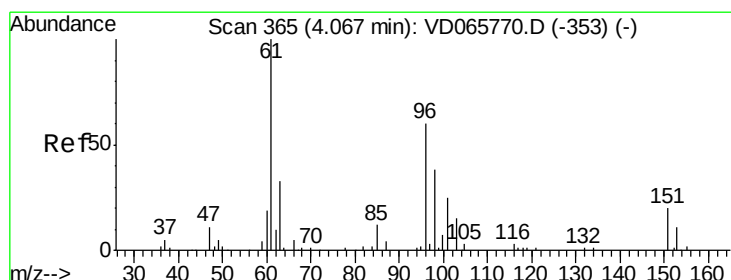
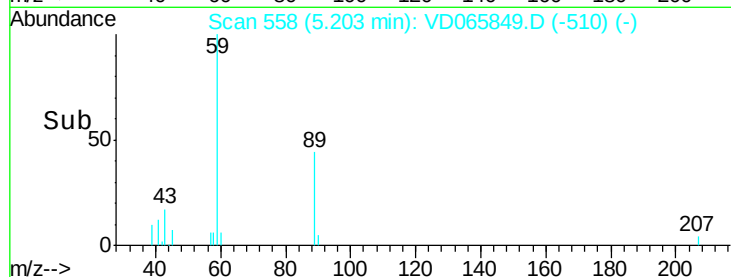
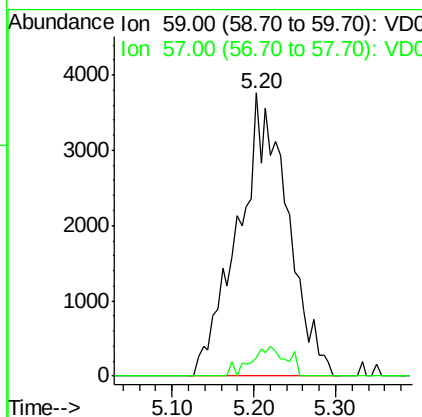
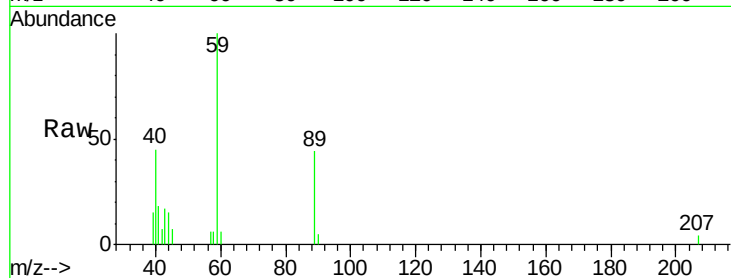
Tert butyl alcohol
Concen: 142.102 ug/l
RT: 5.20 min Scan# 558
Delta R.T. -0.02 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion: 59 Resp: 15799
Ion Ratio Lower Upper
59 100
57 7.0 7.5 11.3#

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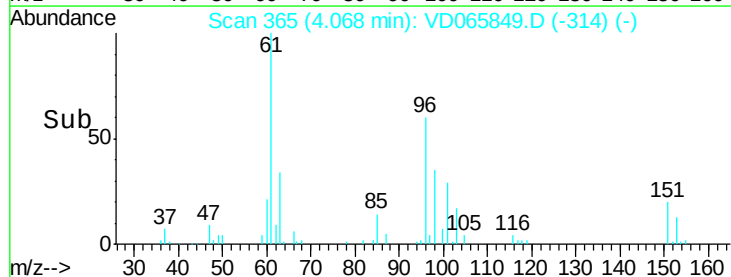
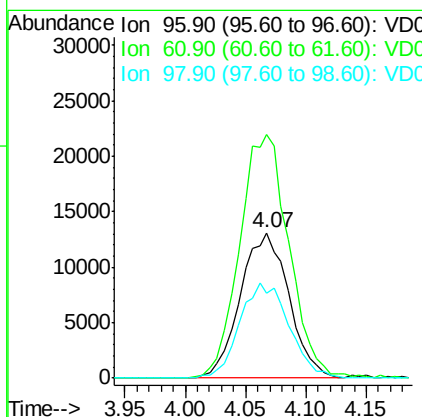
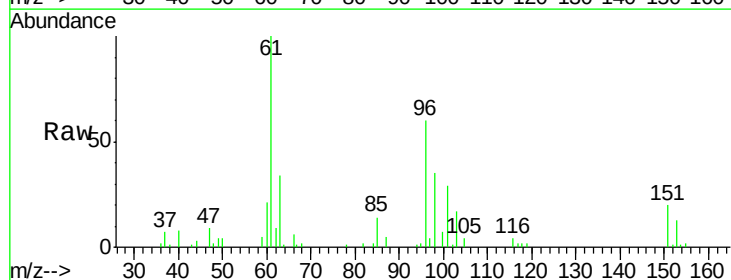
MMDadoda
6/23/2020 11:02:18 AM

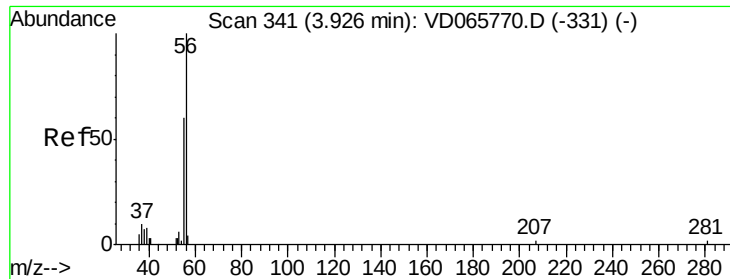


#12

1,1-Dichloroethene
Concen: 22.199 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Tgt Ion: 96 Resp: 36533
Ion Ratio Lower Upper
96 100
61 167.4 132.3 198.5
98 58.3 50.7 76.1





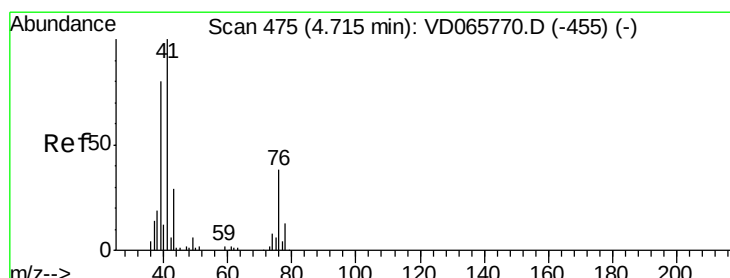
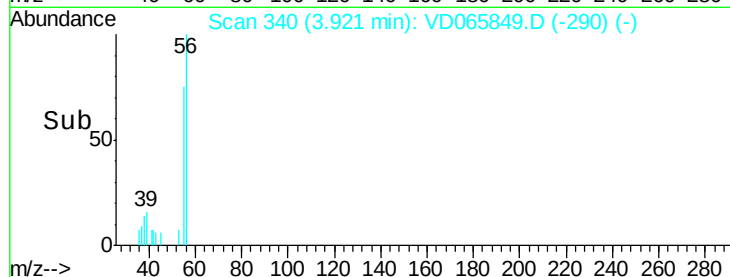
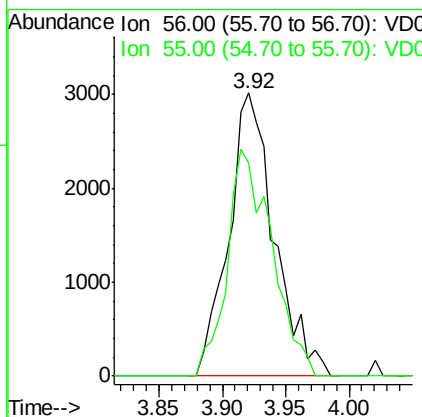
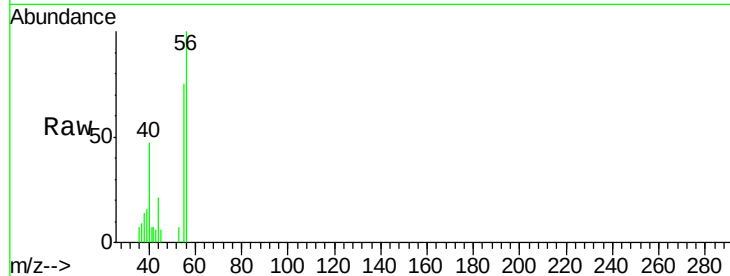
#13
Acrolein
Concen: 74.752 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	56	Resp	7516
Ion	Ratio	Lower	Upper
56	100		
55	78.4	54.8	82.2

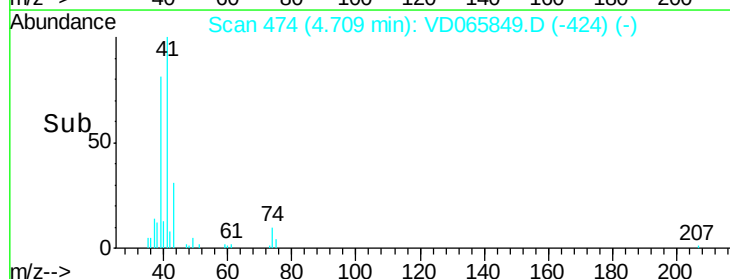
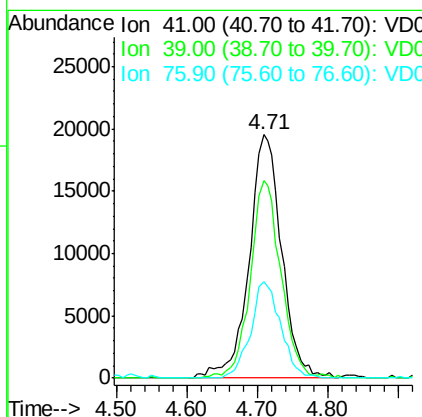
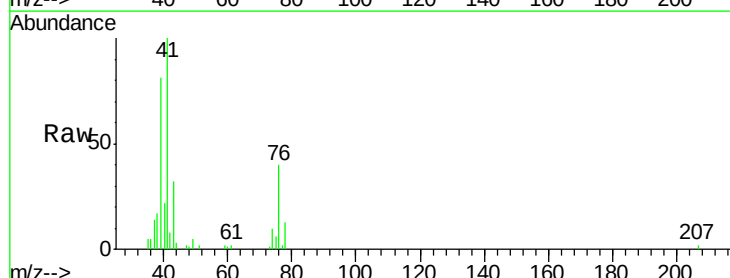
Manual Integrations
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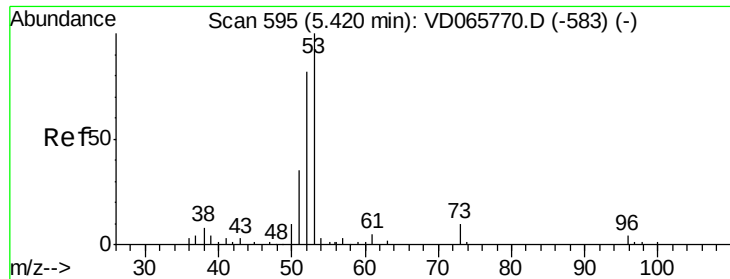
MMDadoda
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#14
Allyl chloride
Concen: 23.106 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Tgt Ion	41	Resp	62849
Ion	Ratio	Lower	Upper
41	100		
39	76.5	60.9	91.3
76	36.6	28.9	43.3





#15

Acrylonitrile

Concen: 115.776 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

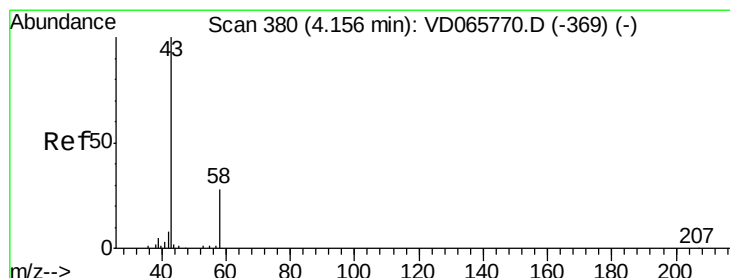
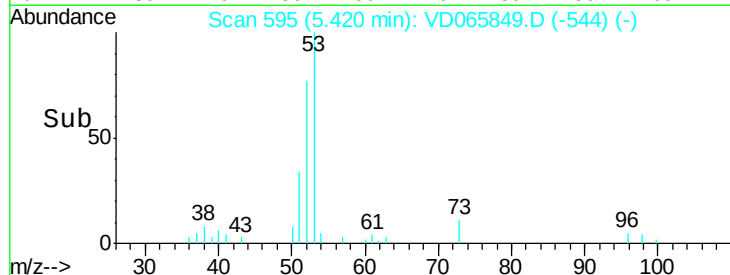
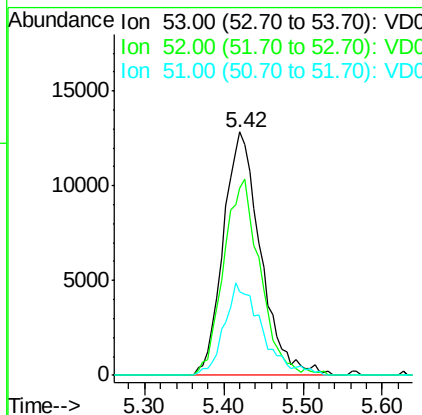
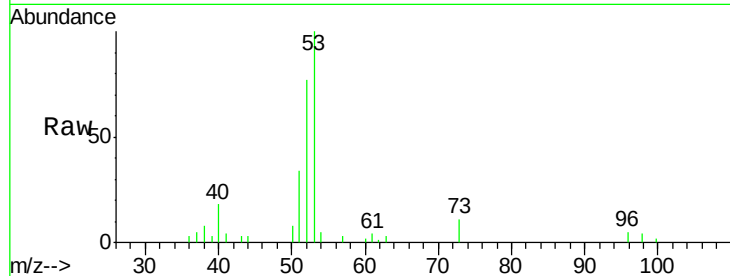
ClientSampleId :

VD0622SBS01

Tot Ion:	53	Resp:	41864
Ion	Ratio	Lower	Upper
53	100		
52	78.2	66.2	99.2
51	38.3	30.7	46.1

Manual Integrations
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6/23/2020 11:02:18 AM



#16

Acetone

Concen: 109.754 ug/l

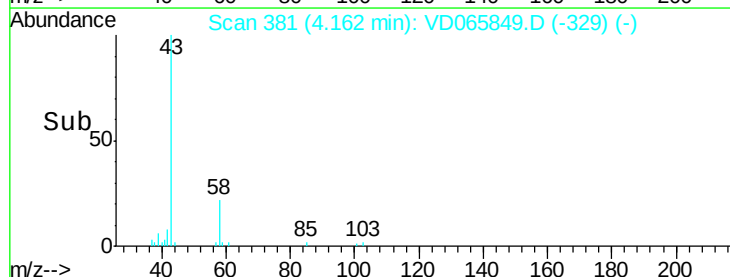
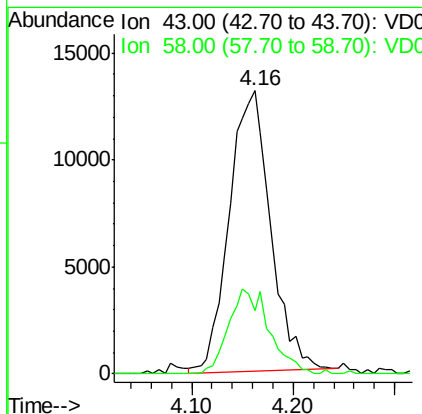
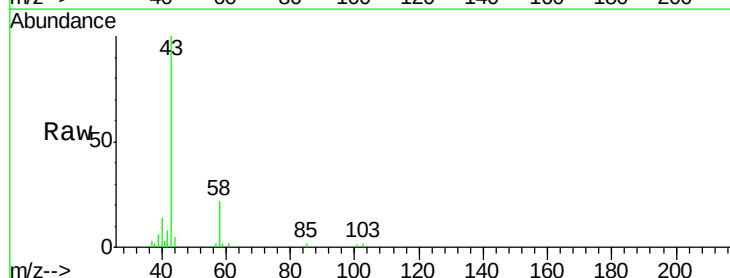
RT: 4.16 min Scan# 381

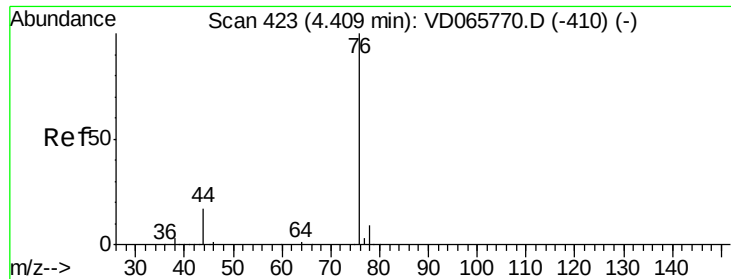
Delta R.T. 0.01 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Tgt Ion:	43	Resp:	37060
Ion	Ratio	Lower	Upper
43	100		
58	22.9	22.3	33.5





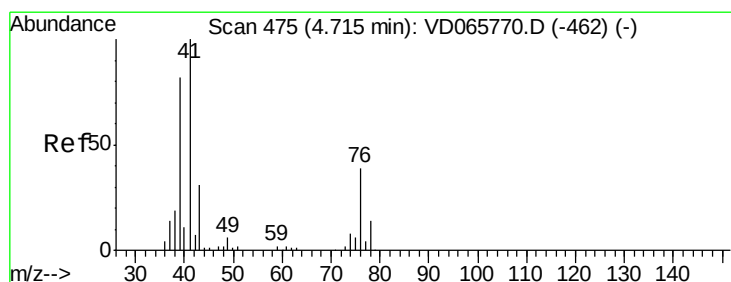
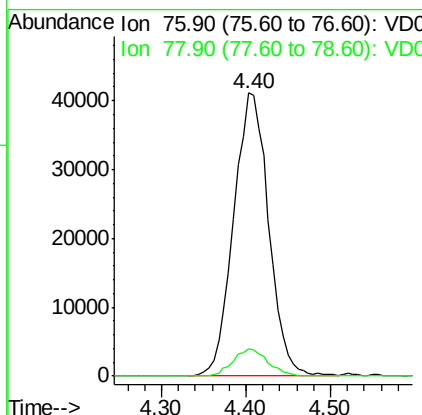
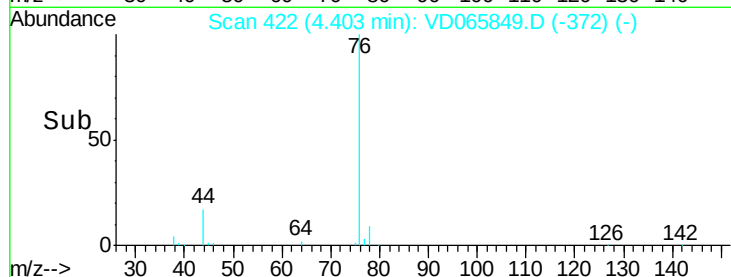
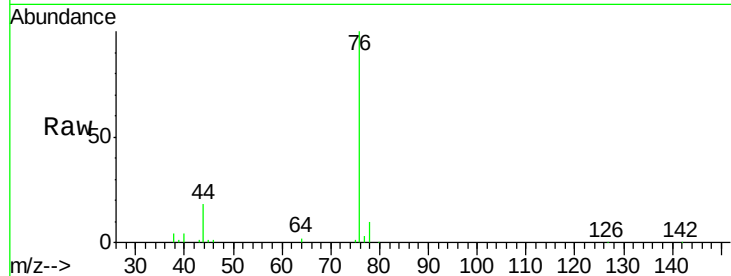
#17
Carbon Disulfide
Concen: 21.406 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.1	10.7

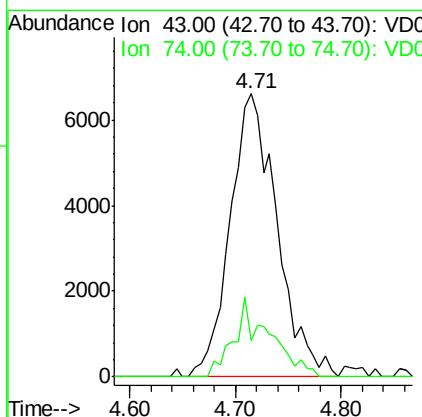
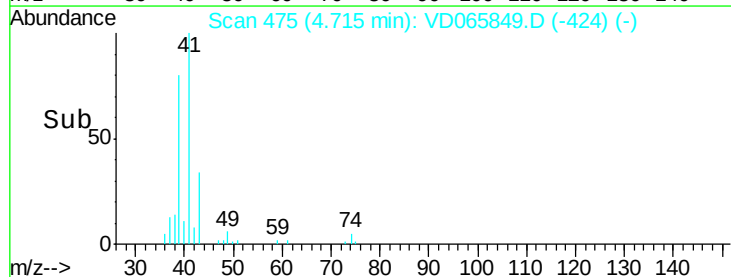
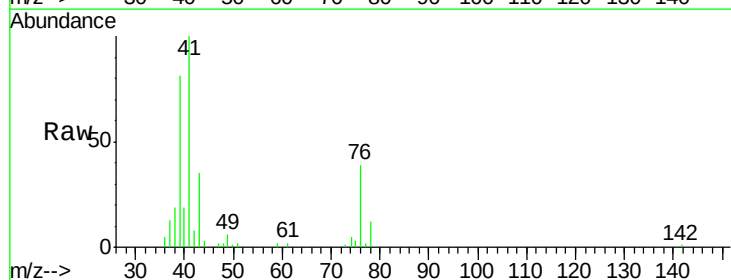
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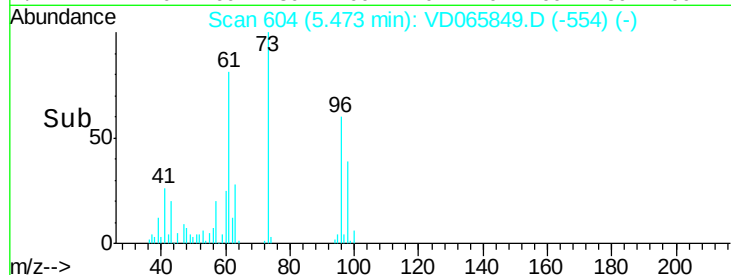
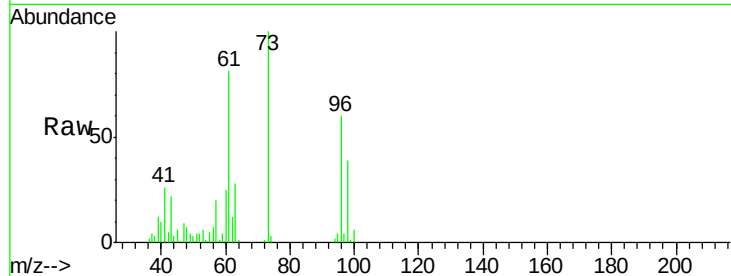
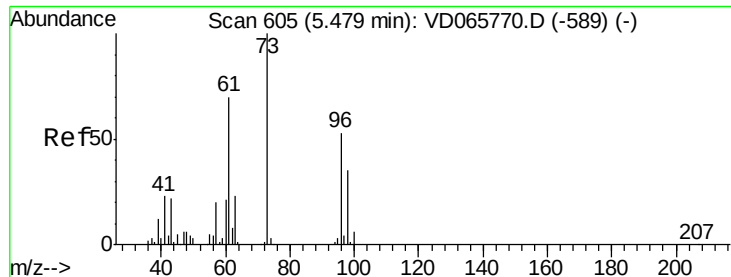
MMDadoda
6/23/2020 11:02:18 AM



#18
Methyl Acetate
Concen: 24.871 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.3	18.7	28.1





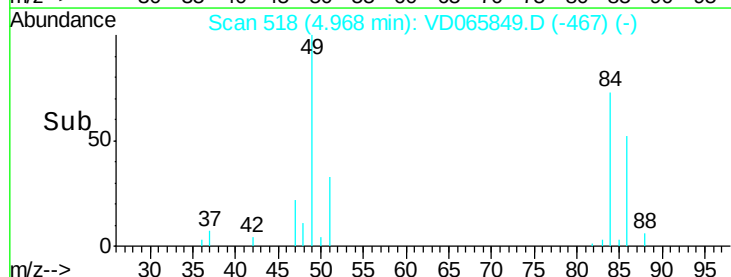
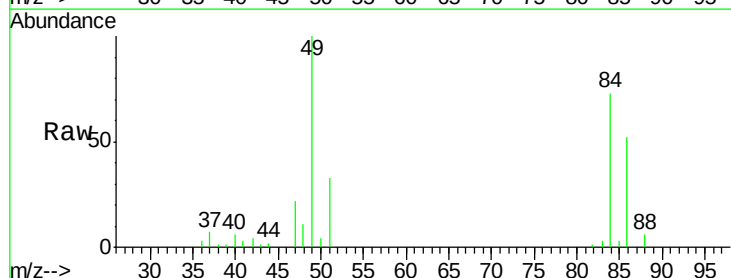
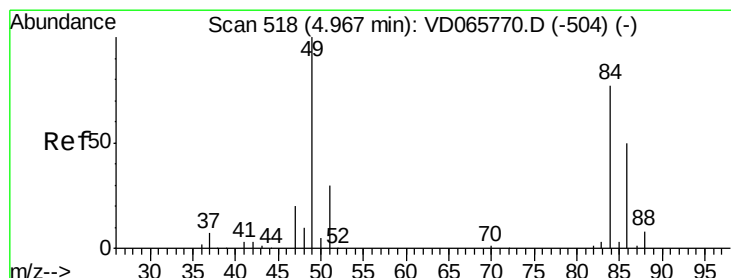
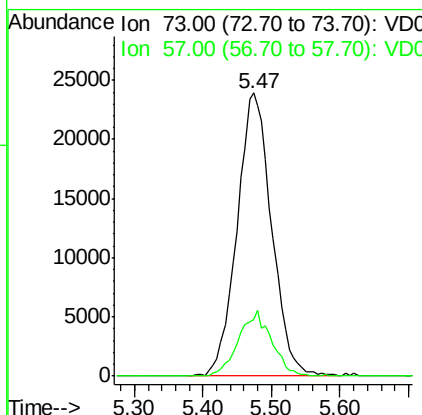
#19
Methyl tert-butyl Ether
Concen: 22.472 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Tot Ion: 73 Resp: 83769
Ion Ratio Lower Upper
73 100
57 19.9 16.2 24.2

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

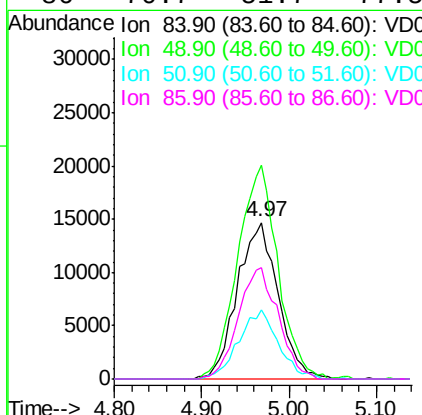
Manual Integrations
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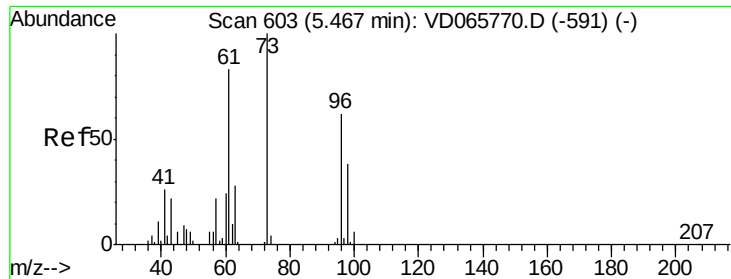
MMDadoda
6/23/2020 11:02:18 AM



#20
Methylene Chloride
Concen: 23.663 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Tgt Ion: 84 Resp: 46637
Ion Ratio Lower Upper
84 100
49 136.4 103.4 155.0
51 44.5 31.4 47.2
86 70.7 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 22.779 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

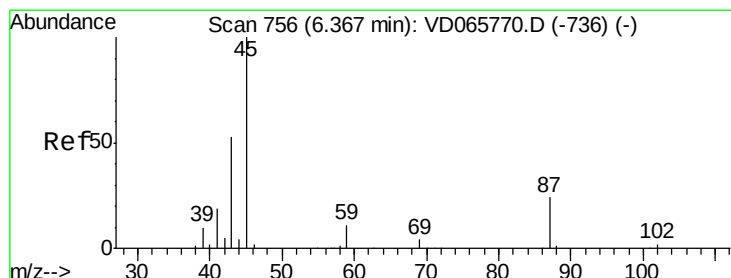
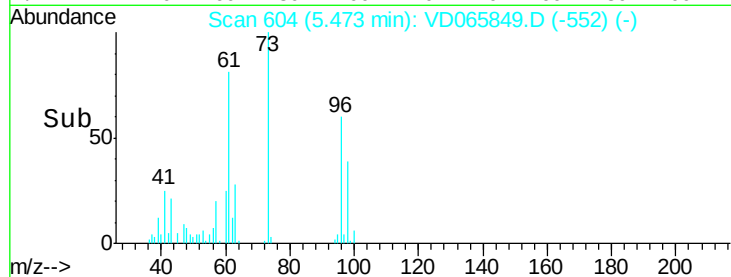
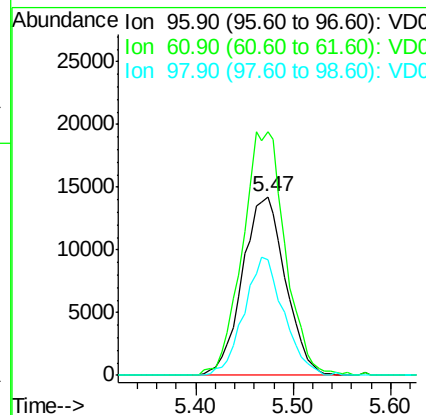
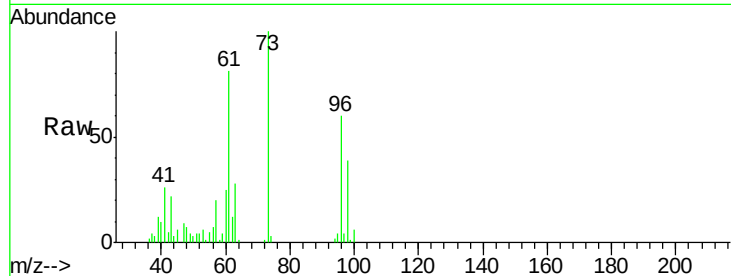
ClientSampleId :

VD0622SBS01

Tot Ion:	96	Resp:	43902
Ion	Ratio	Lower	Upper
96	100		
61	136.1	107.7	161.5
98	64.6	49.3	73.9

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#22

Diisopropyl ether

Concen: 22.978 ug/l

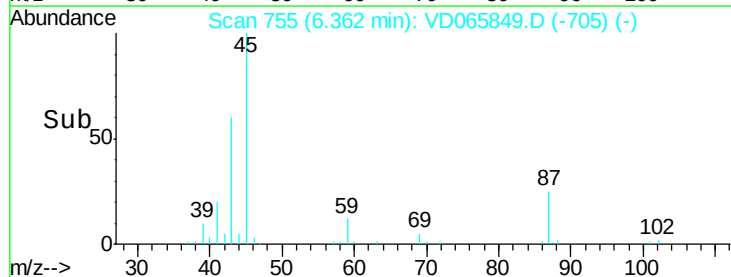
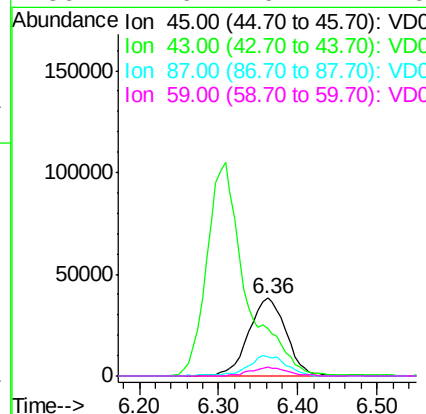
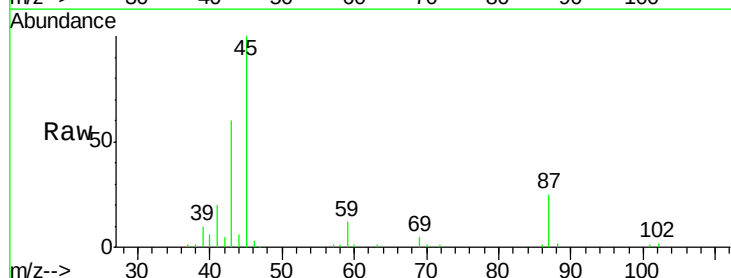
RT: 6.36 min Scan# 755

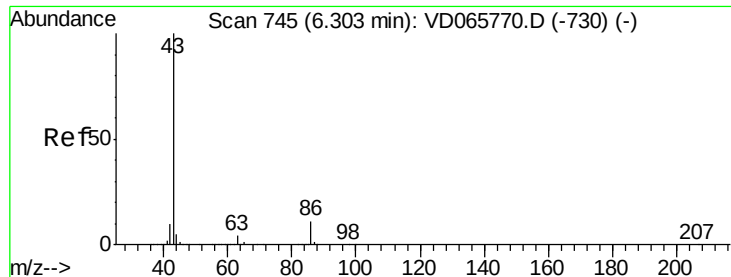
Delta R.T. -0.01 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Tgt Ion:	45	Resp:	126284
Ion	Ratio	Lower	Upper
45	100		
43	58.6	43.4	65.0
87	24.6	20.2	30.4
59	11.6	9.4	14.0





#23

Vinyl Acetate

Concen: 115.452 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 43 Resp: 358303

Ion Ratio Lower Upper

43 100

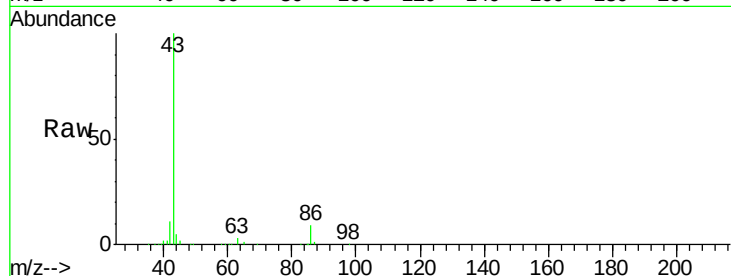
86 8.6 8.5 12.7

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

120000

100000

80000

60000

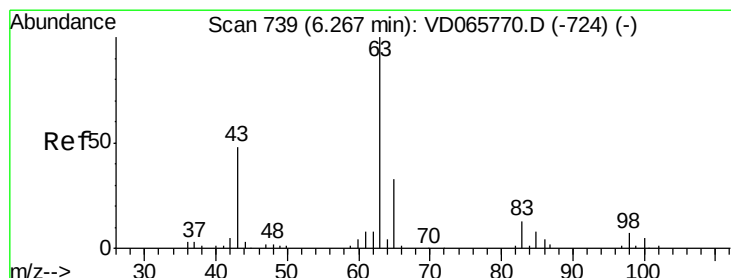
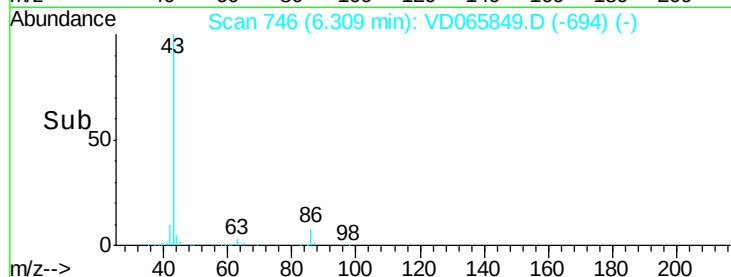
40000

20000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 22.593 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

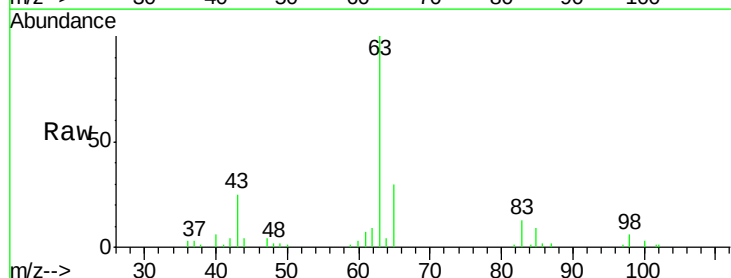
Tgt Ion: 63 Resp: 75658

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.5

100 3.2 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

30000

25000

20000

15000

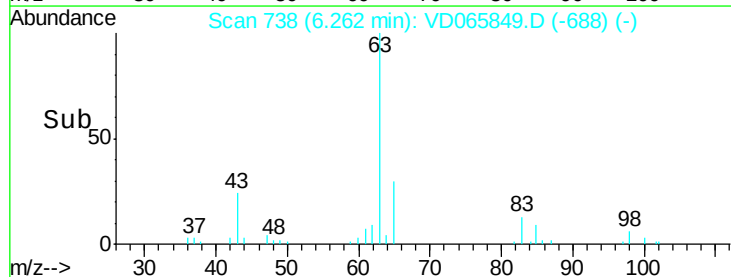
10000

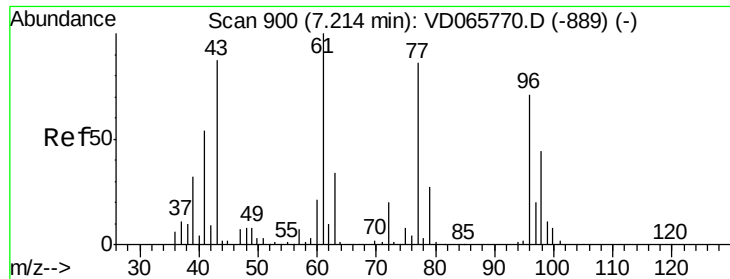
5000

0

6.10 6.20 6.30 6.40

Time-->





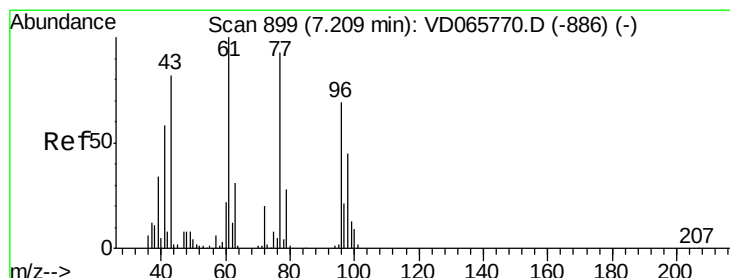
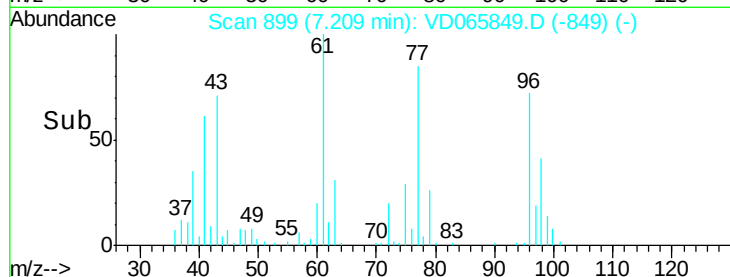
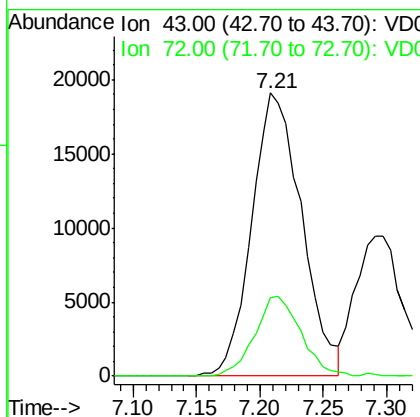
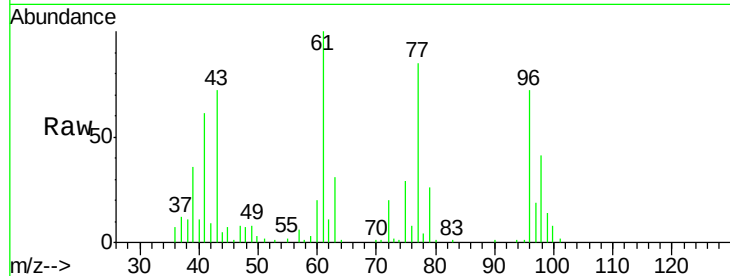
#25
2-Butanone
Concen: 112.481 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

Tot Ion: 43 Resp: 52454
Ion Ratio Lower Upper
43 100
72 27.6 18.5 27.7

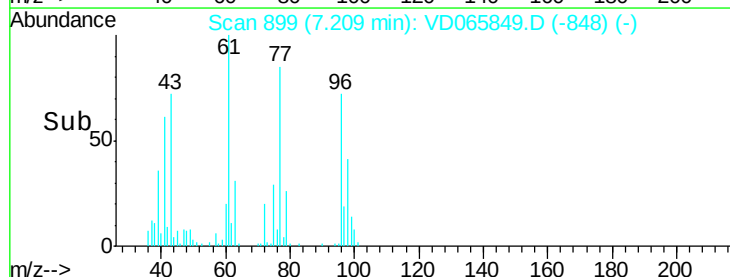
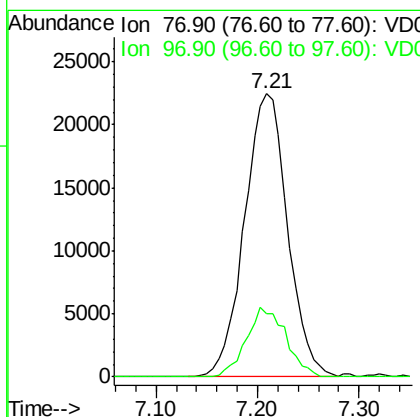
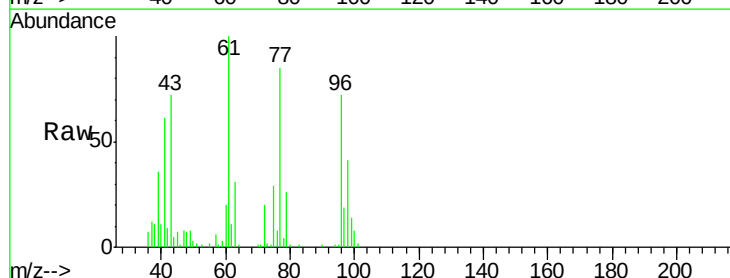
Manual Integrations
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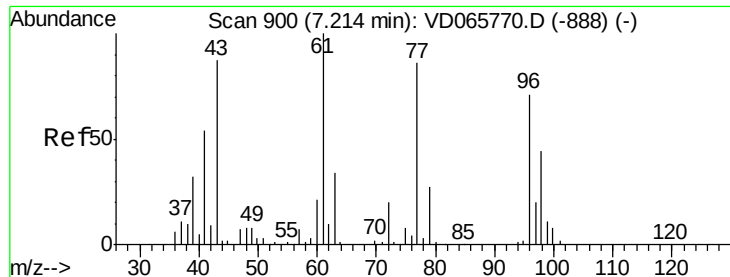
MMDadoda
6/23/2020 11:02:18 AM



#26
2,2-Dichloropropane
Concen: 22.394 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Tgt Ion: 77 Resp: 66491
Ion Ratio Lower Upper
77 100
97 22.4 10.9 32.7





#27

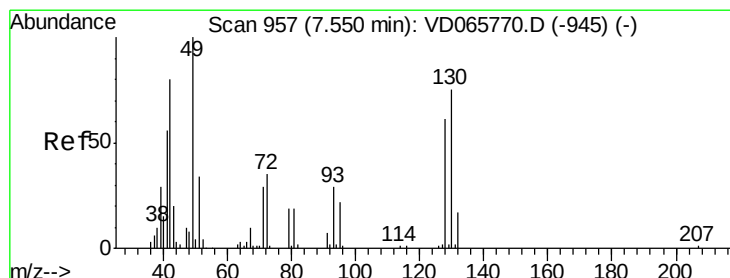
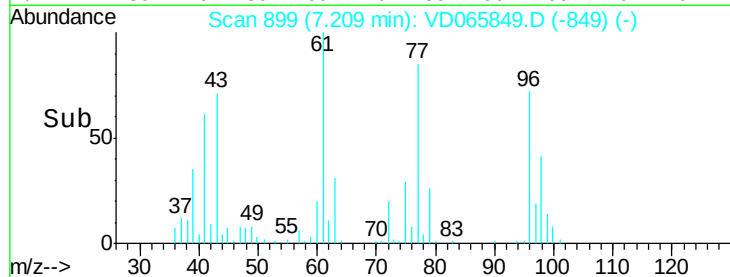
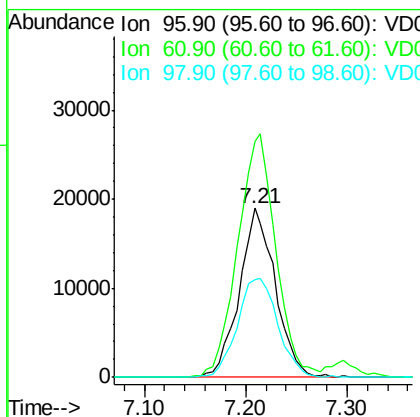
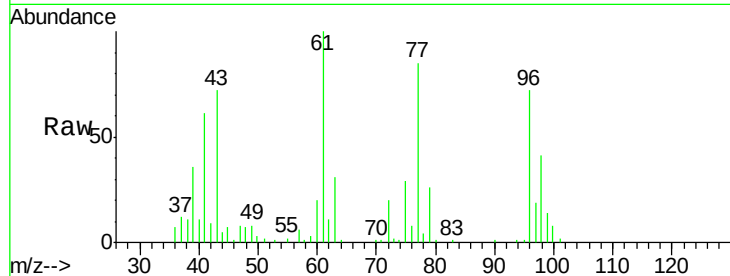
cis-1,2-Dichloroethene
Concen: 22.547 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.8	0.0	291.2
98	65.6	0.0	128.8

Manual Integrations
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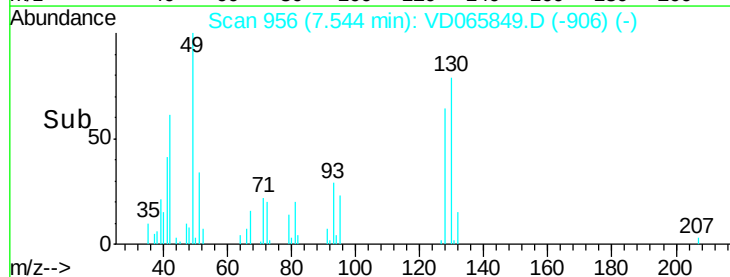
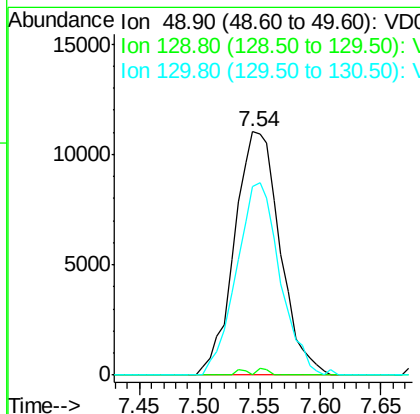
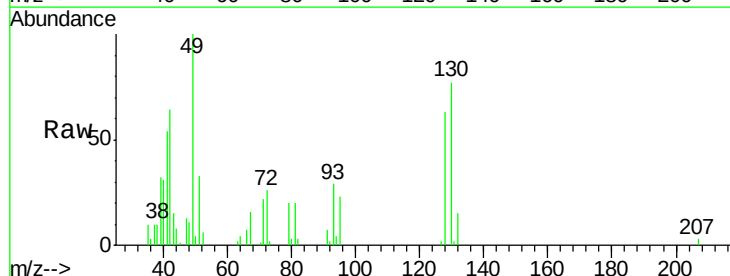
MMDadoda
6/23/2020 11:02:18 AM

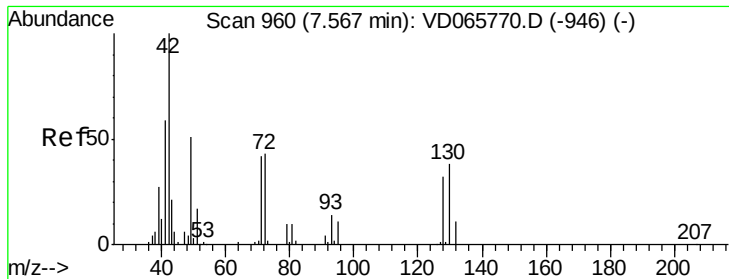


#28

Bromochloromethane
Concen: 22.320 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	4.6
130	75.7	59.5	89.3





#29

Tetrahydrofuran

Concen: 116.828 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

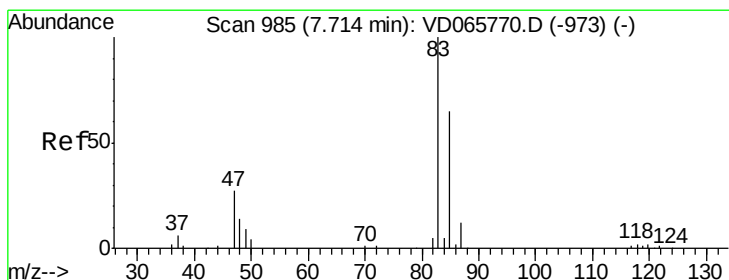
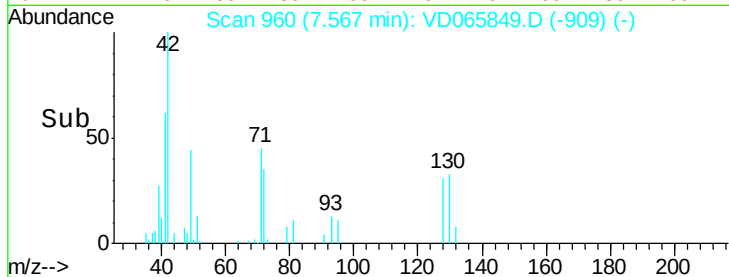
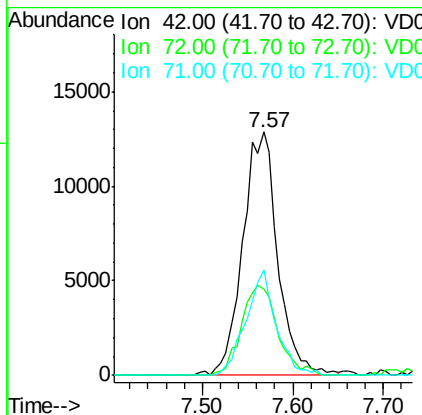
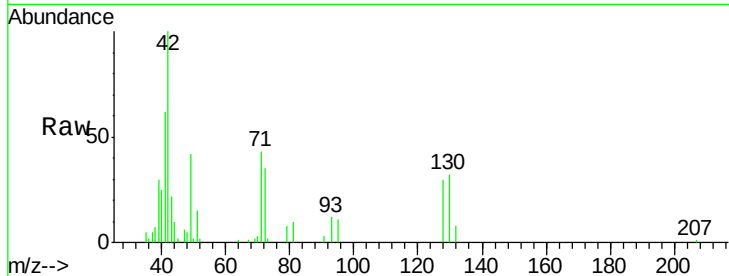
ClientSampleId :

VD0622SBS01

Tot Ion:	42	Resp:	34433
Ion	Ratio	Lower	Upper
42	100		
72	38.6	34.9	52.3
71	37.4	31.2	46.8

Manual Integrations
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#30

Chloroform

Concen: 23.076 ug/l

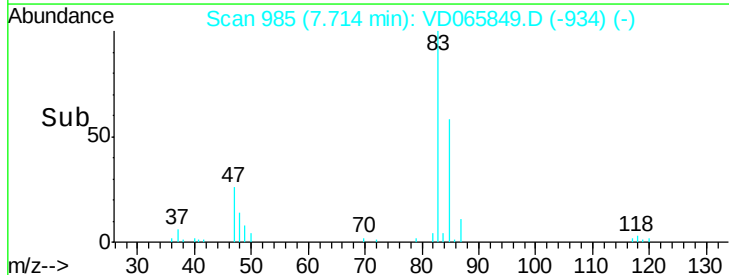
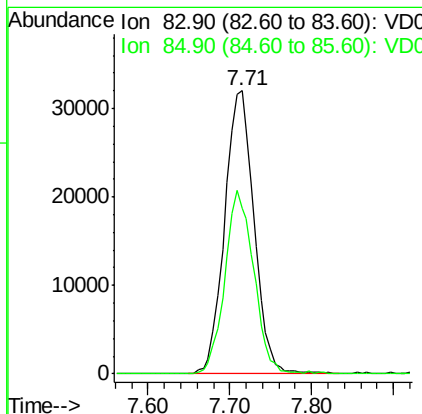
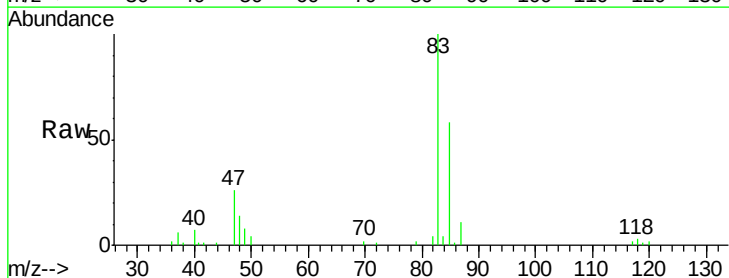
RT: 7.71 min Scan# 985

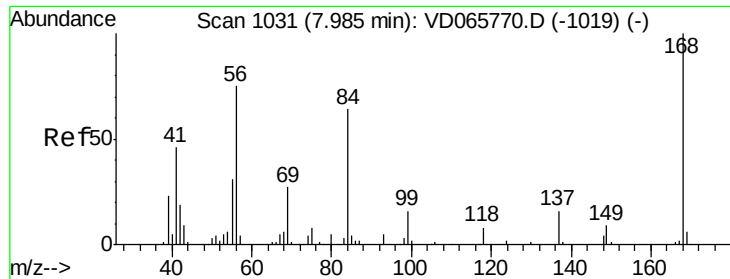
Delta R.T. 0.00 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Tgt Ion:	83	Resp:	80094
Ion	Ratio	Lower	Upper
83	100		
85	58.4	51.9	77.9





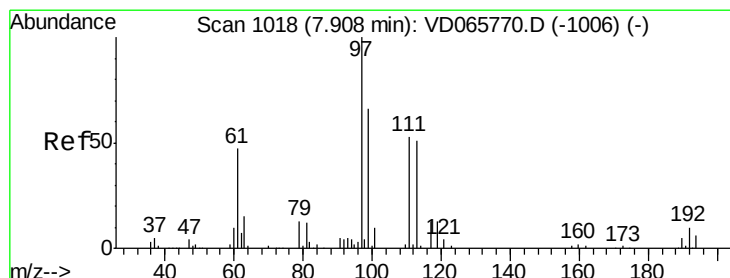
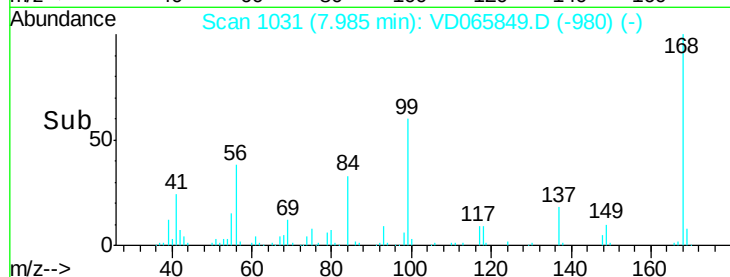
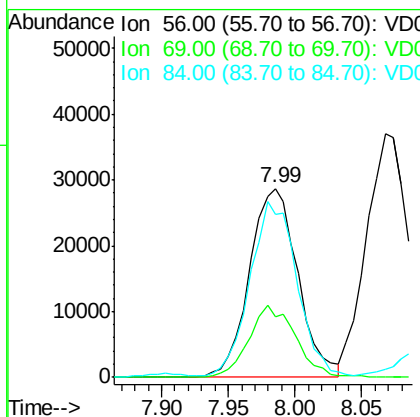
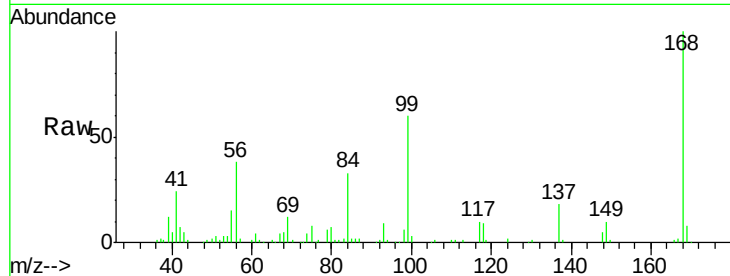
#31
Cyclohexane
Concen: 22.421 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	56	69	84
Resp	71978		
Ratio	100	31.8	85.3
Lower		28.5	68.4
Upper		42.7	102.6

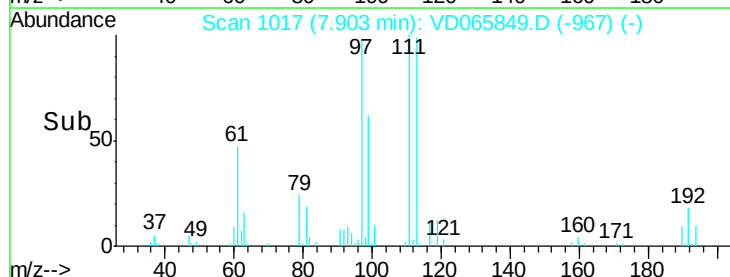
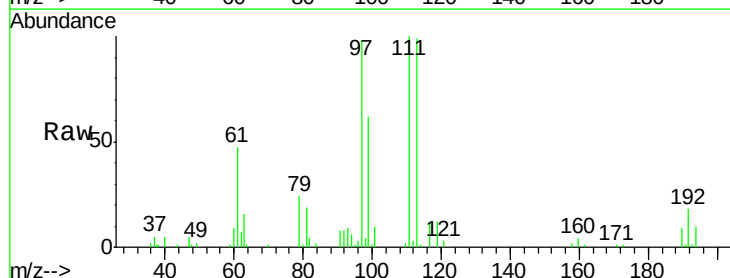
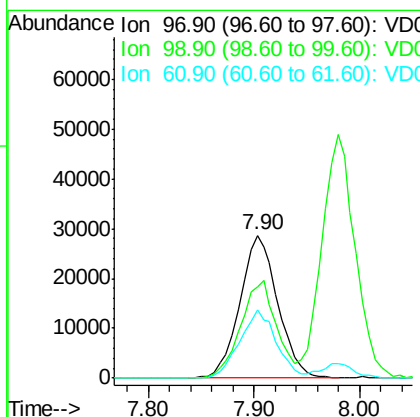
Manual Integrations
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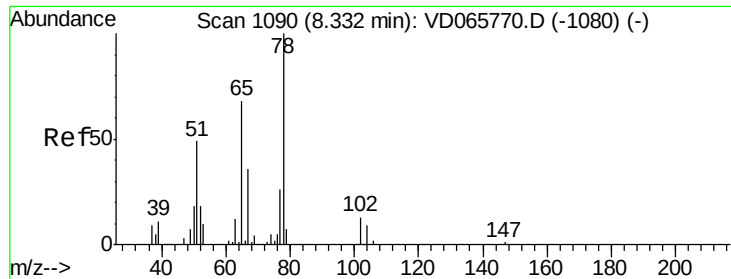
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 22.373 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Tgt Ion	97	99	61
Resp	71405		
Ratio	100	64.5	46.0
Lower		49.2	36.0
Upper		73.8	54.0





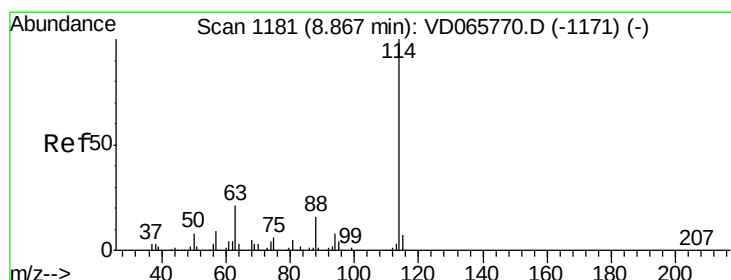
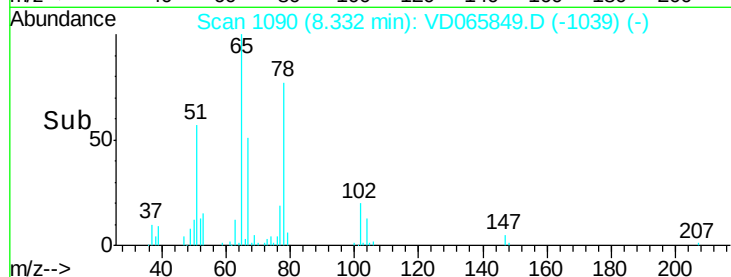
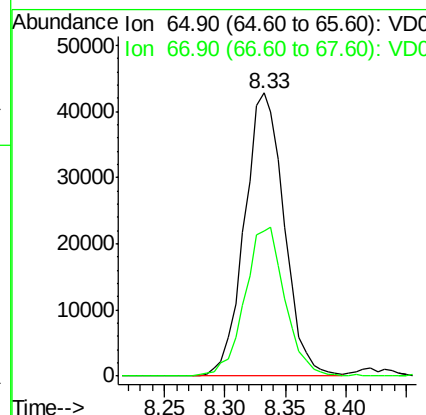
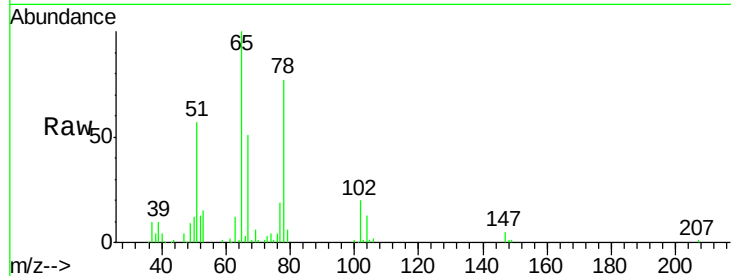
#33
 1,2-Dichloroethane-d4
 Concen: 54.798 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065849.D
 Acq: 22 Jun 2020 17:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	98093		
67	53.0	0.0	103.6	

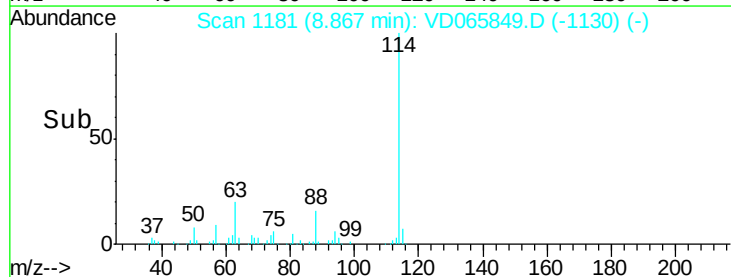
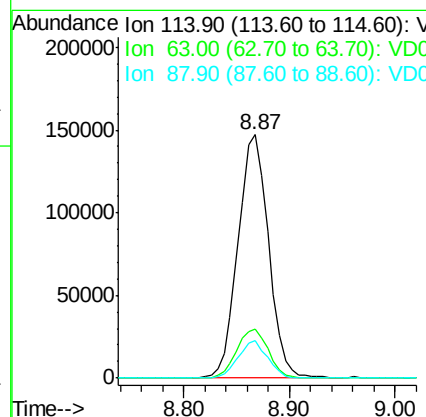
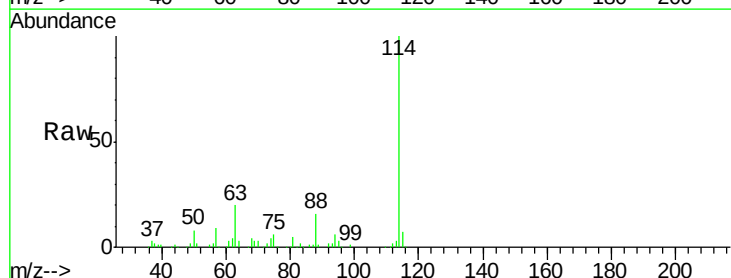
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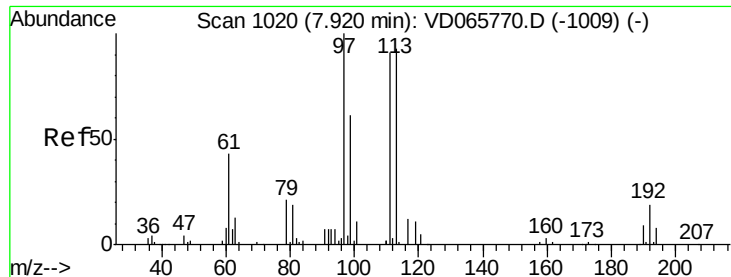
MMDadoda
 6/23/2020 11:02:18 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065849.D
 Acq: 22 Jun 2020 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	295027		
63	20.3	0.0	41.8	
88	15.6	0.0	32.0	





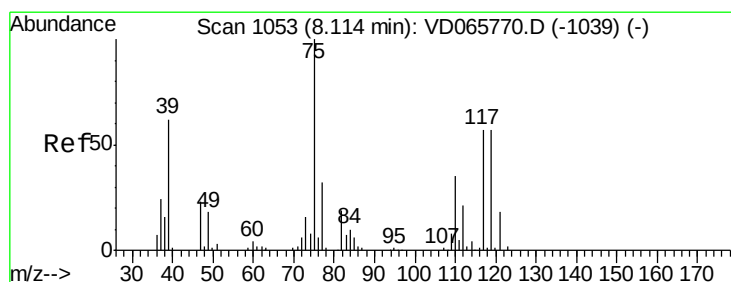
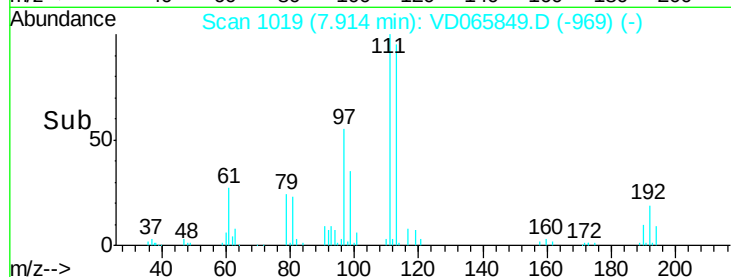
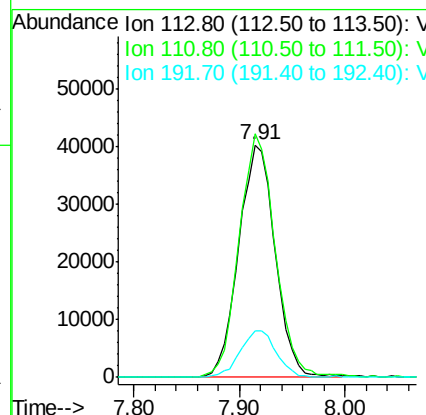
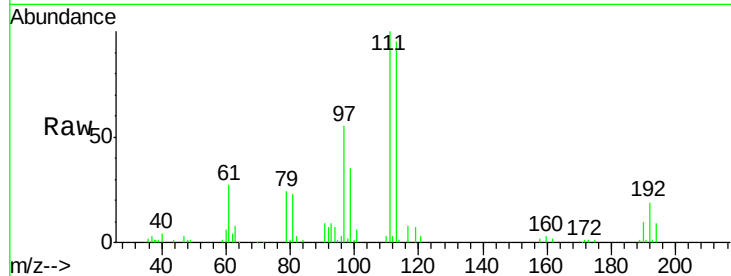
#35
 Dibromofluoromethane
 Concen: 51.856 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065849.D
 Acq: 22 Jun 2020 17:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.4	125.0
192	20.0	15.7	23.5

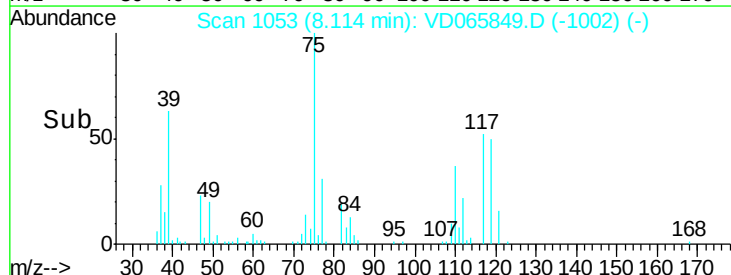
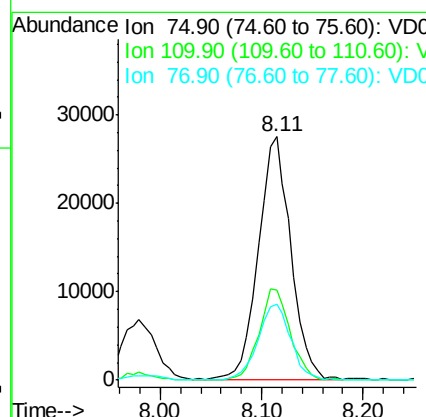
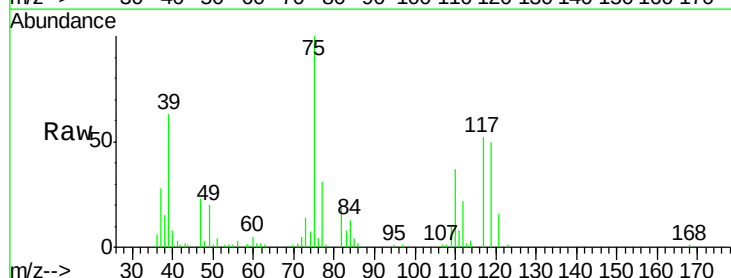
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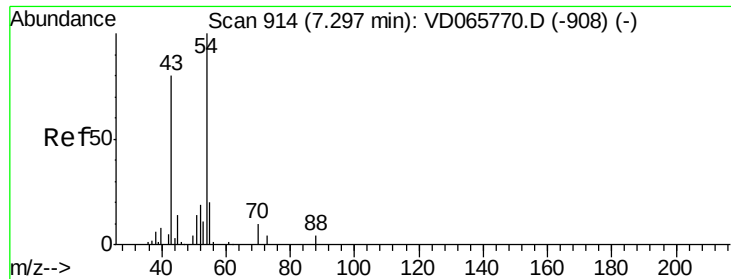
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 6/23/2020 11:02:18 AM



#36
 1,1-Dichloropropene
 Concen: 21.910 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065849.D
 Acq: 22 Jun 2020 17:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.6	52.8
77	31.4	25.1	37.7





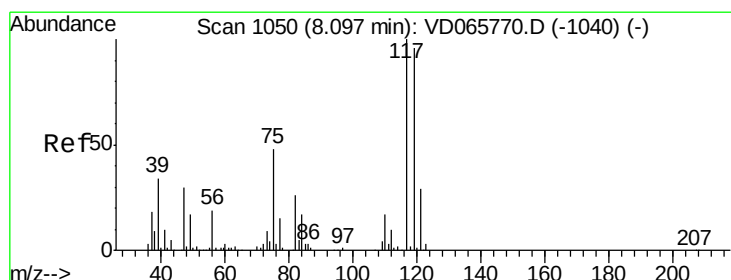
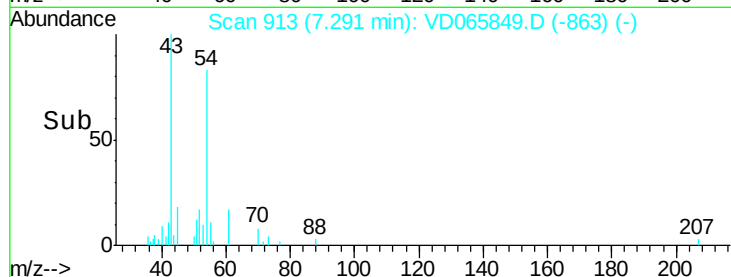
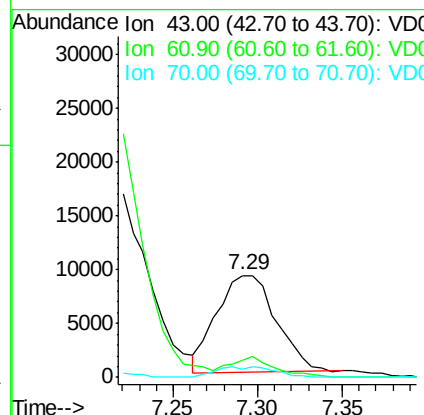
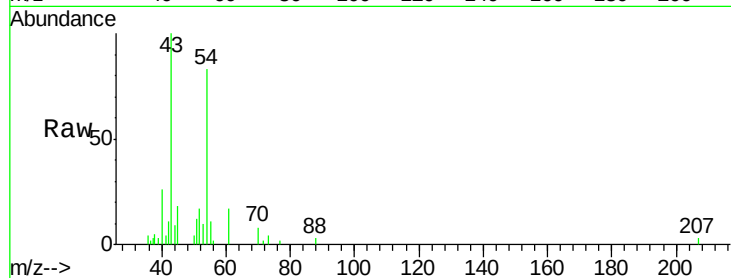
#37
Ethyl Acetate
Concen: 19.908 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.2	10.6	15.8#
70	10.7	7.5	11.3

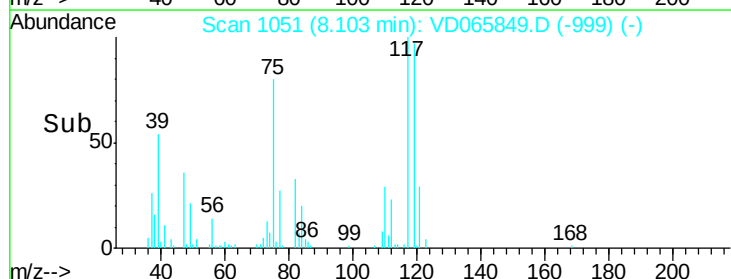
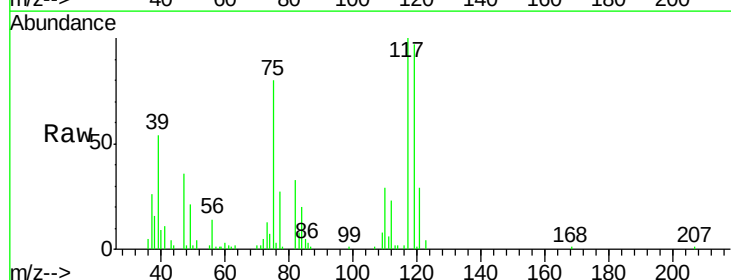
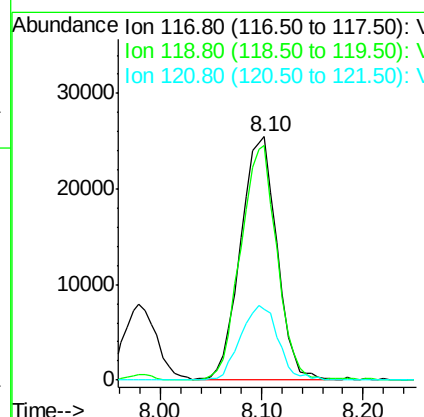
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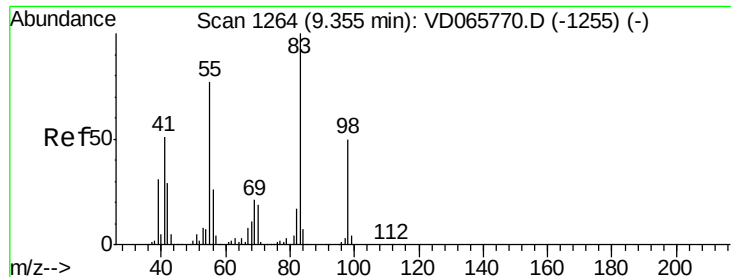
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#38
Carbon Tetrachloride
Concen: 21.411 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.8	115.2
121	29.1	23.4	35.2





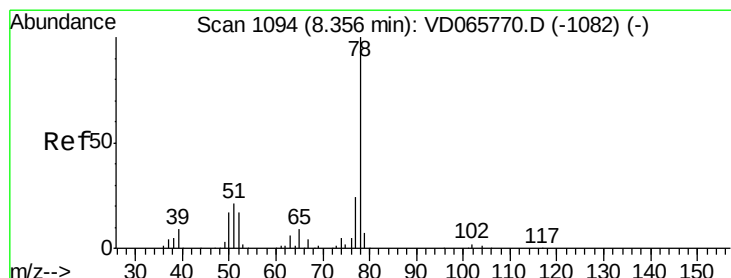
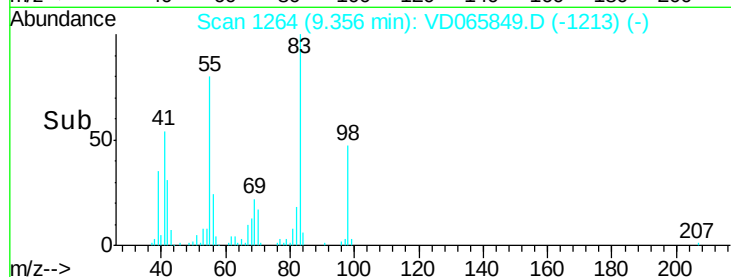
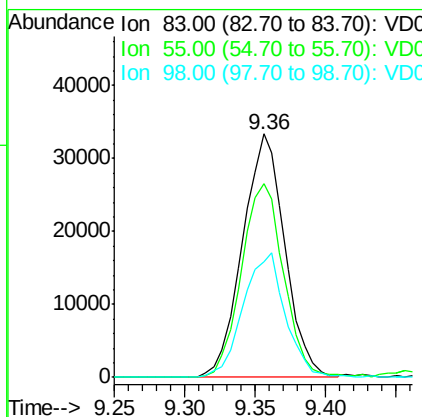
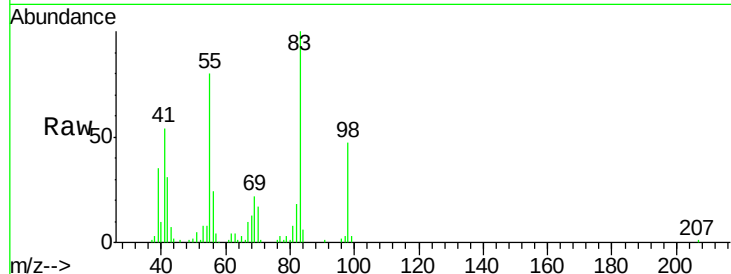
#39
Methylvlcyclohexane
Concen: 20.926 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	83	Resp	70020
Ion	Ratio	Lower	Upper
83	100		
55	79.8	61.6	92.4
98	47.3	40.2	60.2

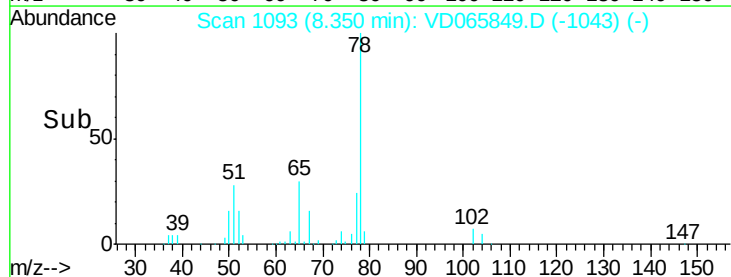
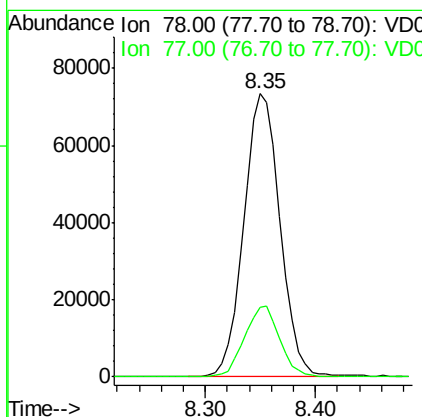
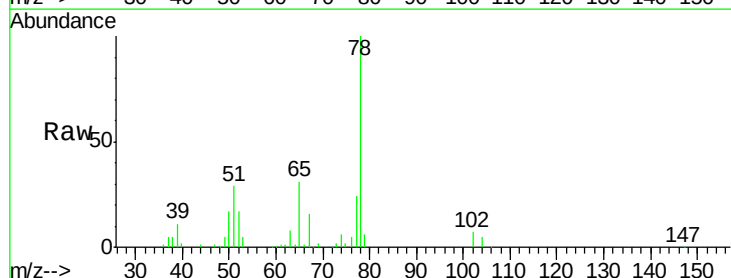
Manual Integrations
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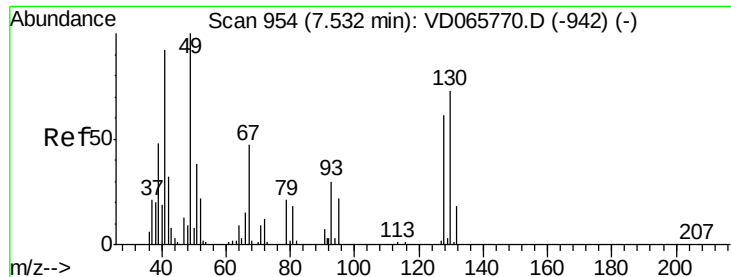
MMDadoda
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#40
Benzene
Concen: 21.935 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Tgt Ion	78	Resp	169474
Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.2	28.8





#41

Methacrylonitrile

Concen: 21.366 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 41 Resp: 14162

Ion Ratio Lower Upper

41 100

39 50.3 38.3 57.5

67 70.5 49.8 74.6

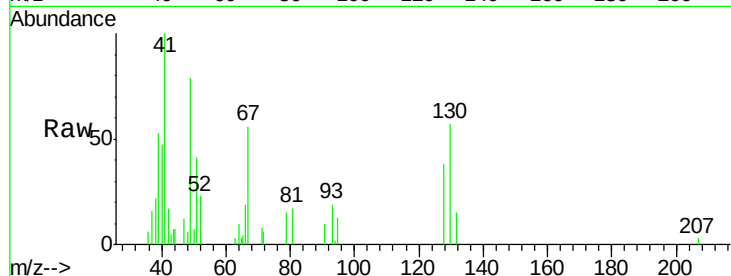
52 31.2 21.7 32.5

Manual Integrations

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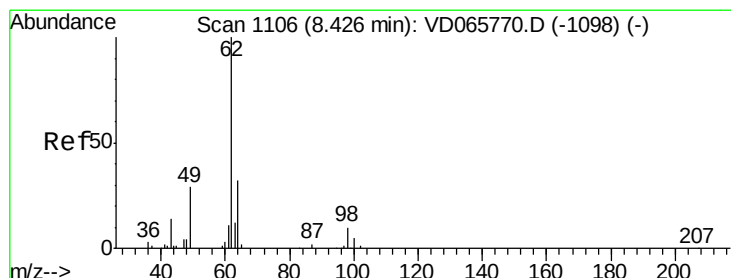
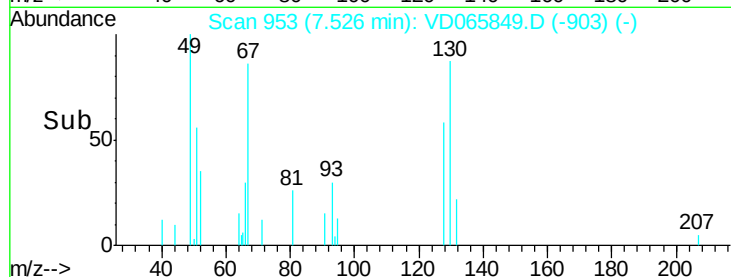
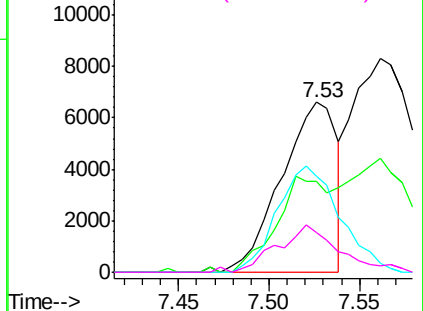


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.885 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD065849.D

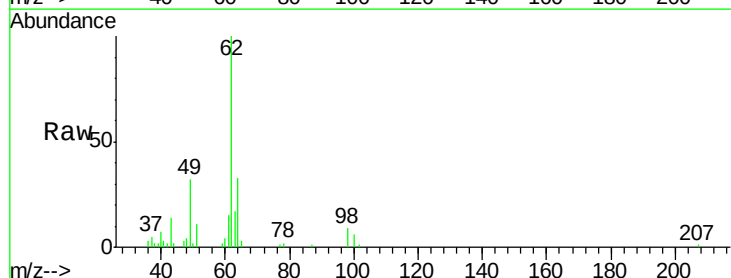
Acq: 22 Jun 2020 17:24

Tgt Ion: 62 Resp: 51018

Ion Ratio Lower Upper

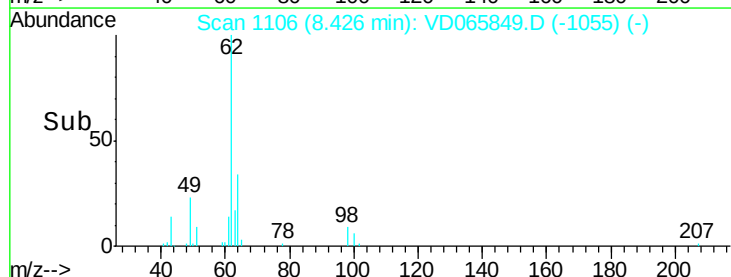
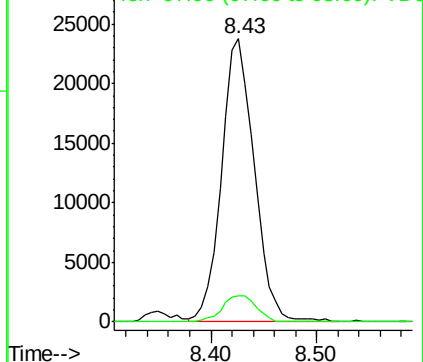
62 100

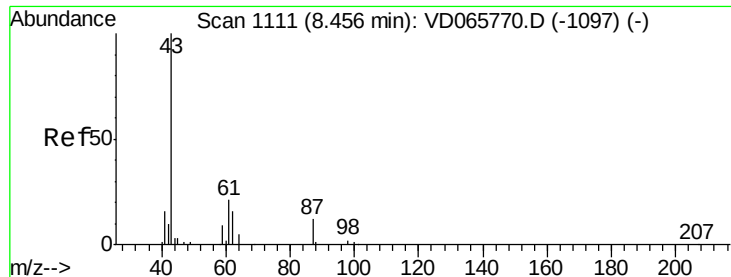
98 9.7 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 21.526 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

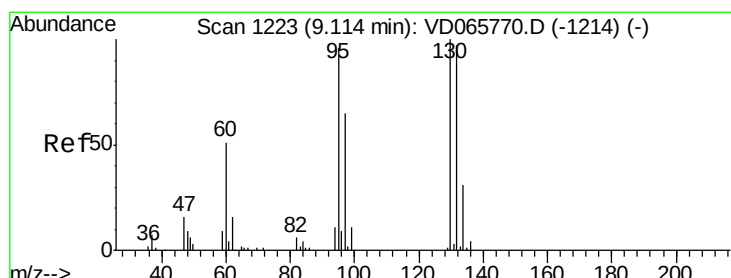
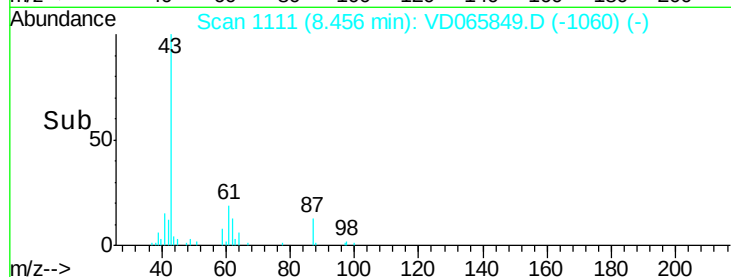
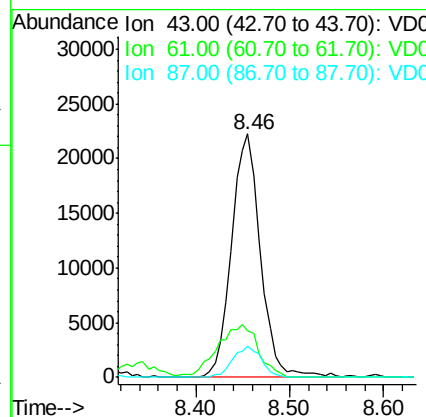
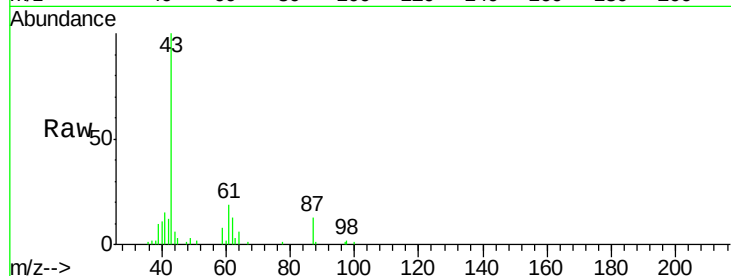
ClientSampleId :

VD0622SBS01

Tot Ion:	43	Resp:	47650
Ion	Ratio	Lower	Upper
43	100		
61	30.5	24.2	36.4
87	12.4	9.5	14.3

Manual Integrations
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MMDadoda
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#44

Trichloroethene

Concen: 21.571 ug/l

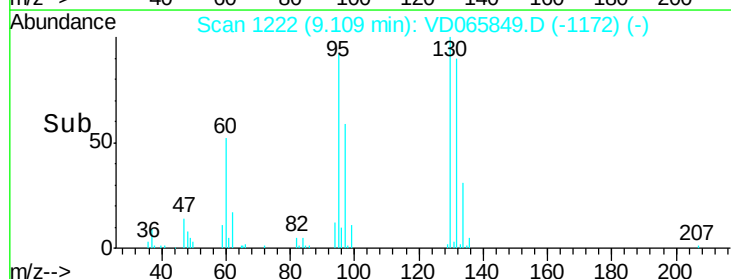
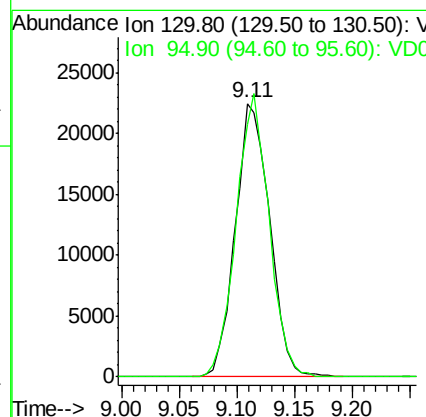
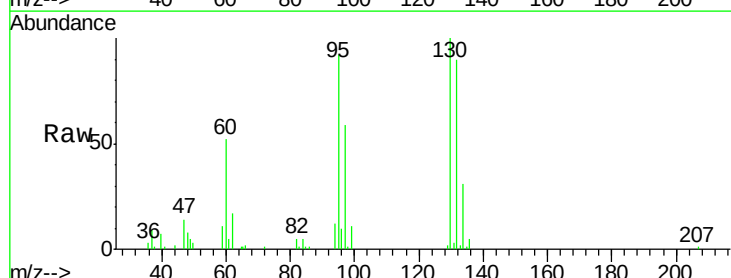
RT: 9.11 min Scan# 1222

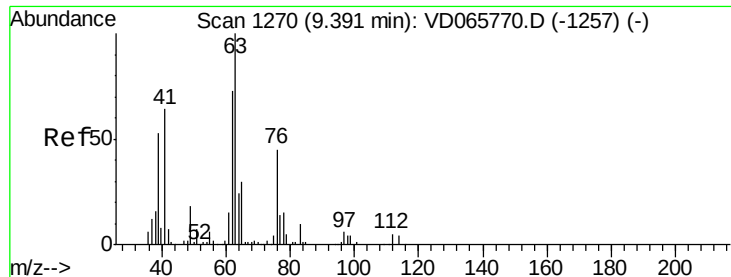
Delta R.T. -0.01 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Tgt Ion:	130	Resp:	46380
Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	192.8





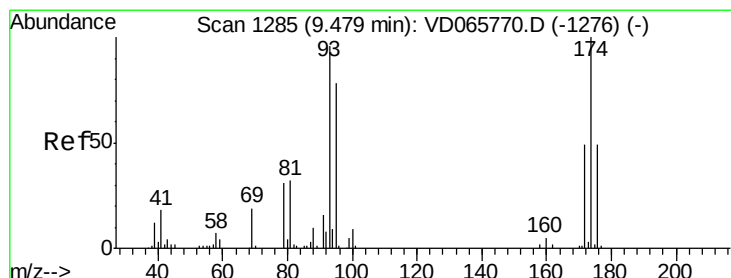
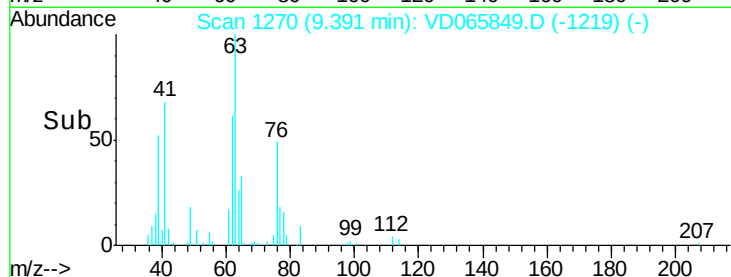
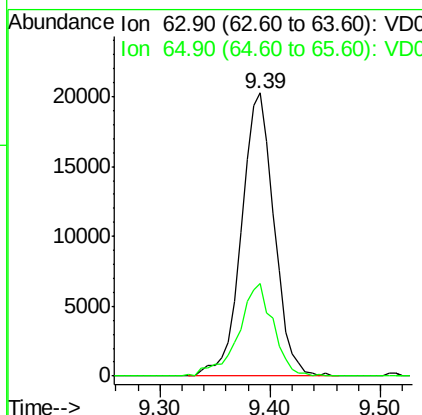
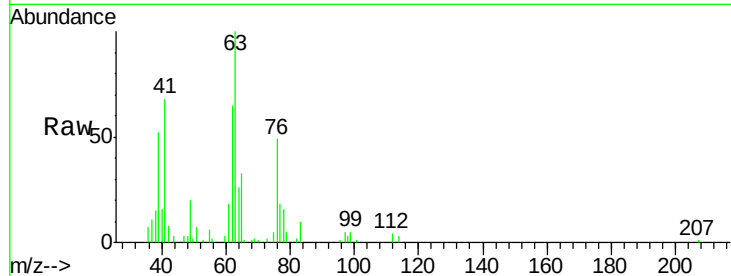
#45
 1,2-Dichloropropane
 Concen: 21.589 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065849.D
 Acq: 22 Jun 2020 17:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

Tot Ion: 63 Resp: 41912
 Ion Ratio Lower Upper
 63 100
 65 32.9 24.2 36.2

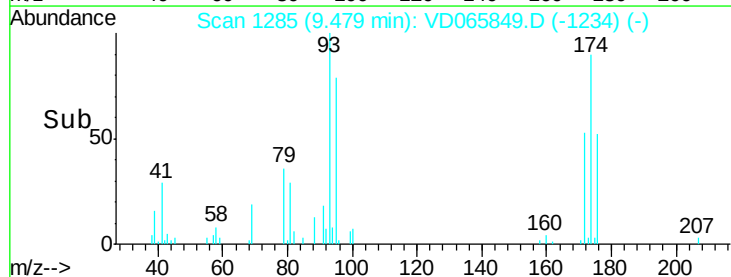
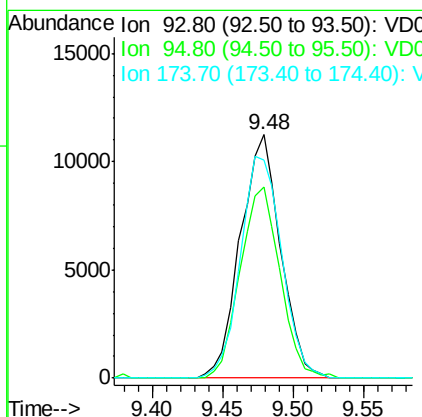
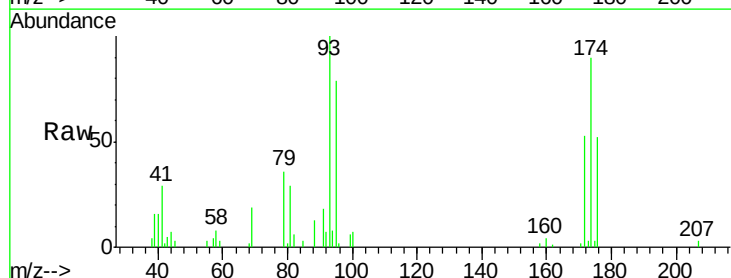
Manual Integrations
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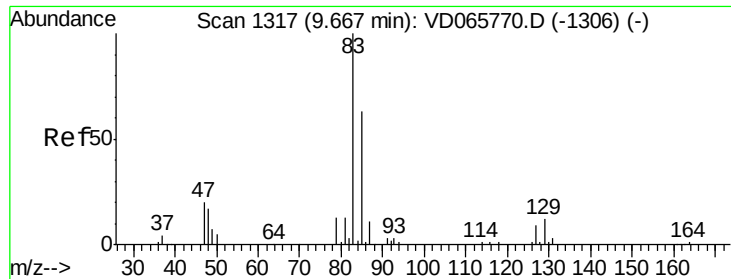
MMDadoda
 6/23/2020 11:02:18 AM



#46
 Dibromomethane
 Concen: 21.294 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065849.D
 Acq: 22 Jun 2020 17:24

Tgt Ion: 93 Resp: 22420
 Ion Ratio Lower Upper
 93 100
 95 78.0 65.8 98.6
 174 93.8 80.9 121.3





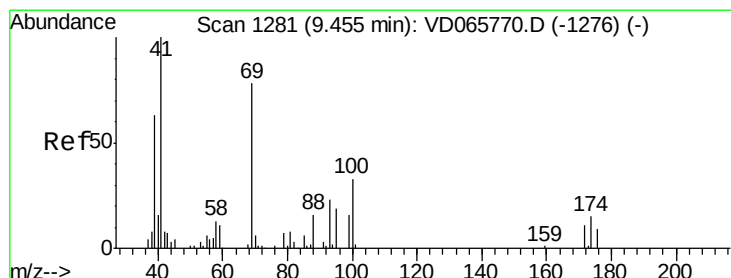
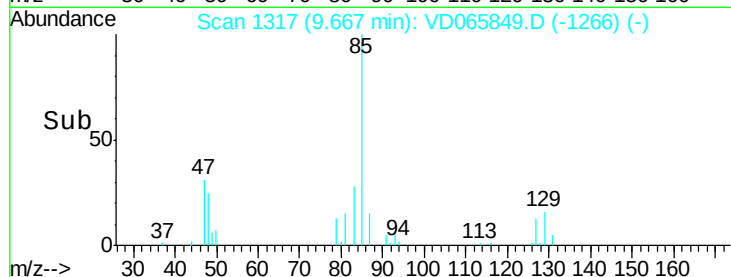
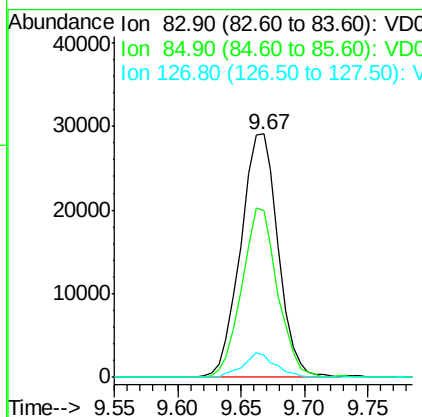
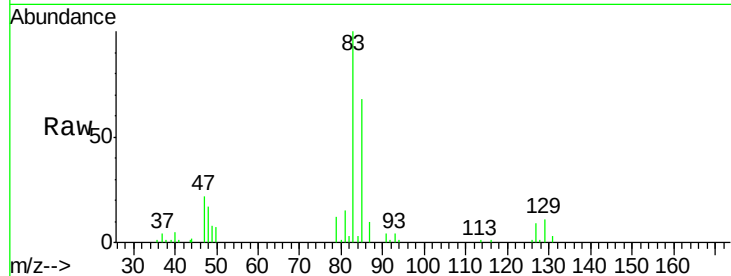
#47
Bromodichloromethane
Concen: 21.225 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	68.4	50.7	76.1
127	8.9	7.1	10.7

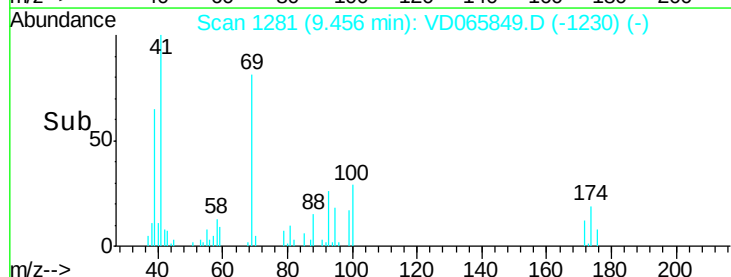
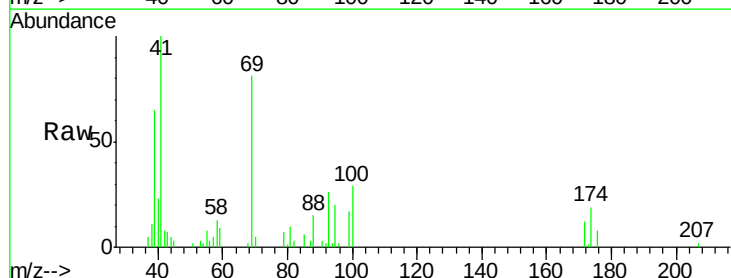
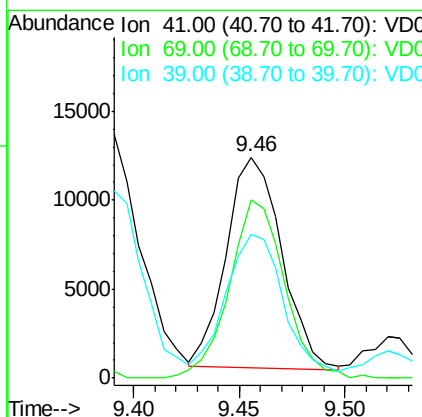
Manual Integrations
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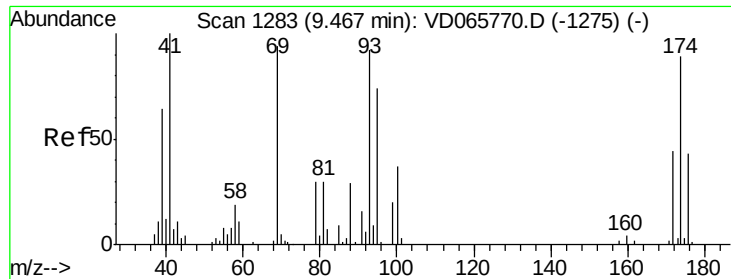
MMDadoda
6/23/2020 11:02:18 AM



#48
Methyl methacrylate
Concen: 20.089 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Tgt Ion	Ratio	Lower	Upper
41	100		
69	84.6	60.9	91.3
39	66.3	48.1	72.1





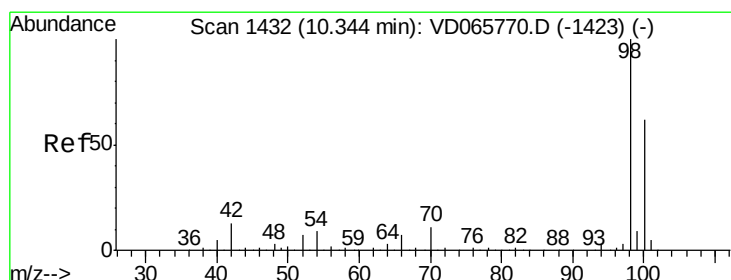
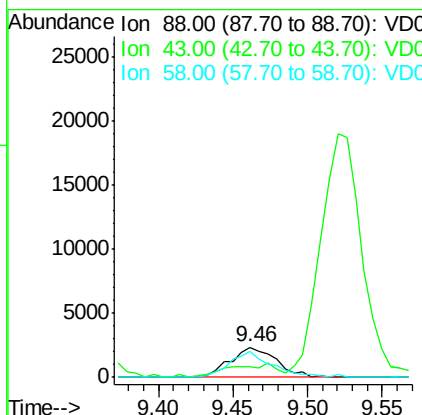
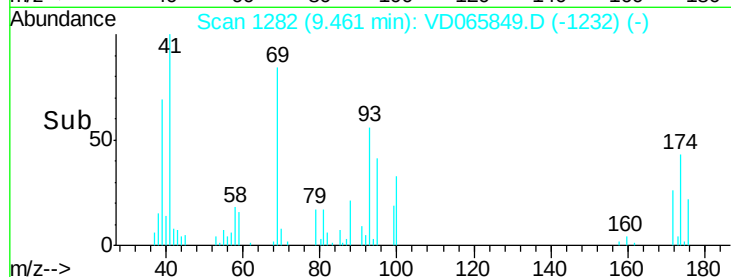
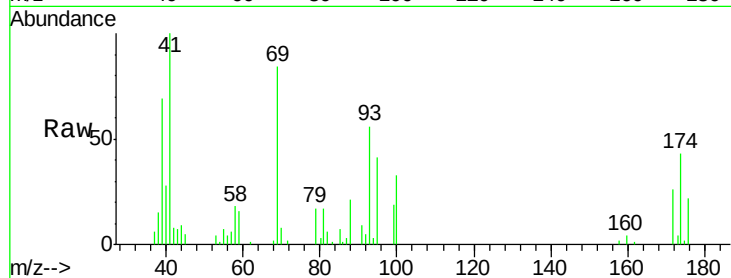
#49
1,4-Dioxane
Concen: 450.003 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	47.4	32.2	48.4
58	78.7	54.9	82.3

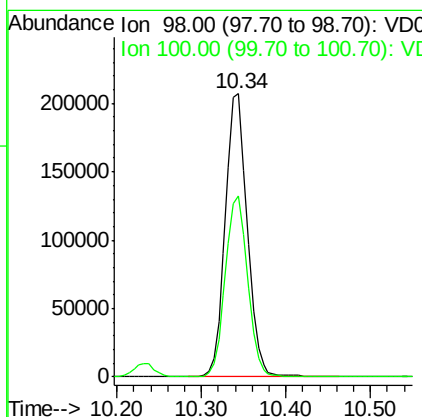
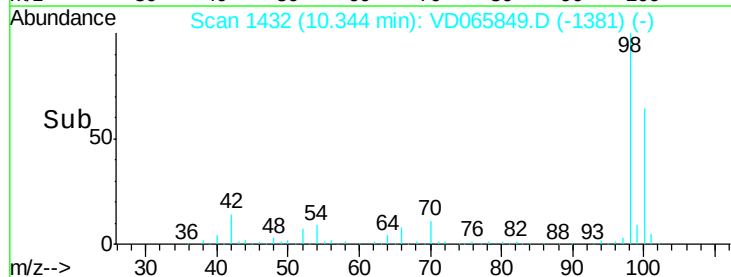
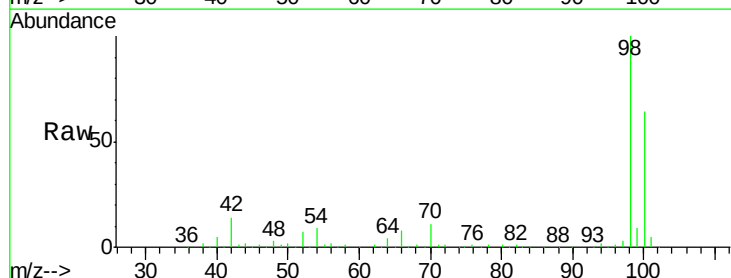
Manual Integrations
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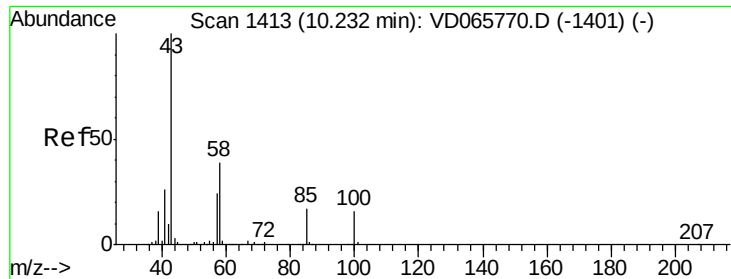
MMDadoda
6/23/2020 11:02:18 AM



#50
Toluene-d8
Concen: 53.531 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.4	77.2





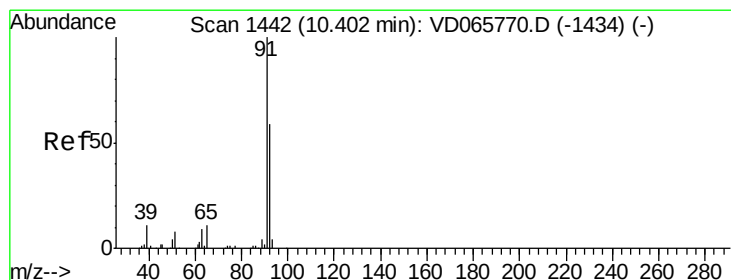
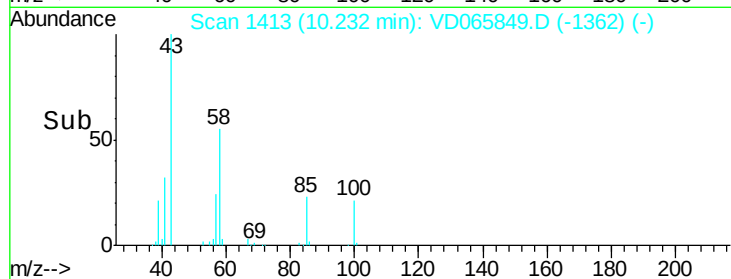
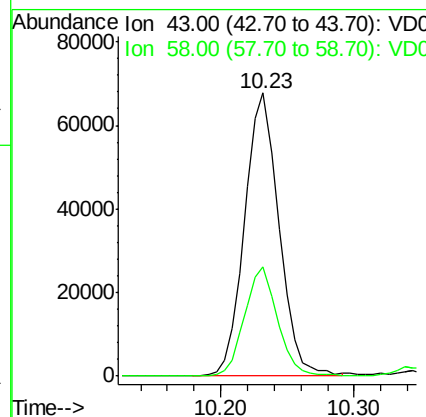
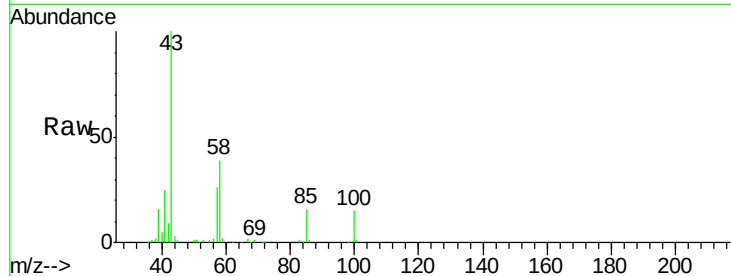
#51
4-Methyl-2-Pentanone
Concen: 111.095 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.0	30.7	46.1

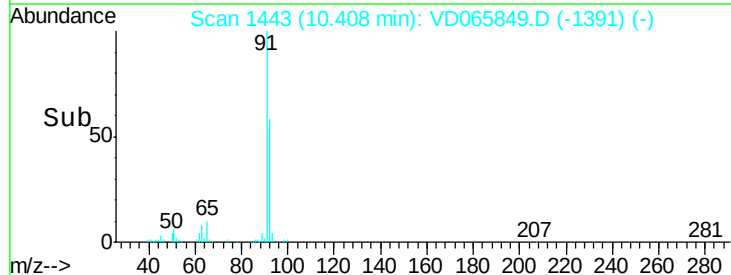
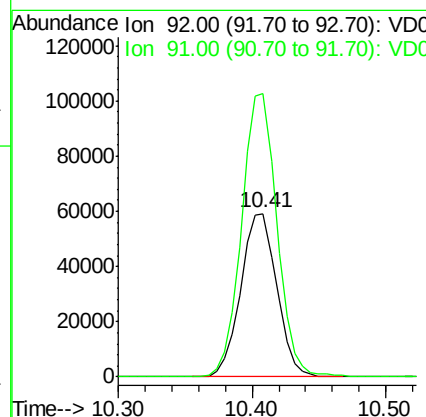
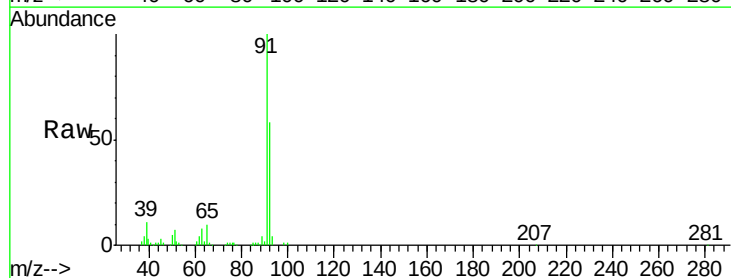
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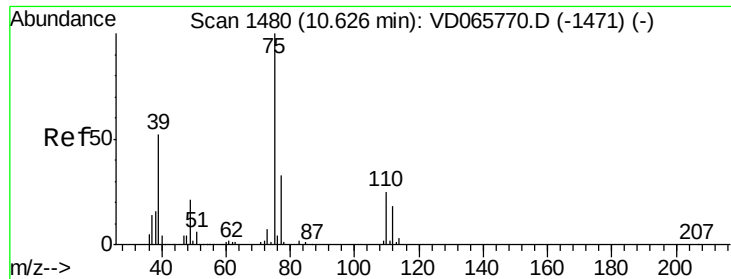
MMDadoda
6/23/2020 11:02:18 AM



#52
Toluene
Concen: 21.965 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.01 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.6	137.8	206.8





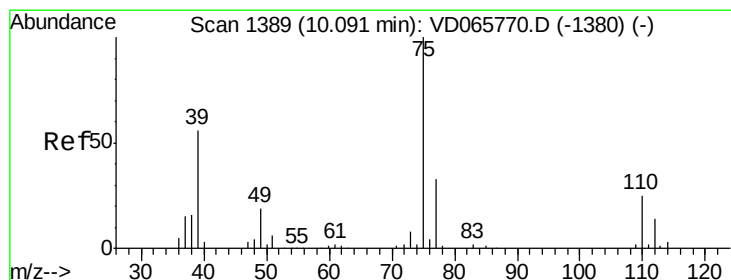
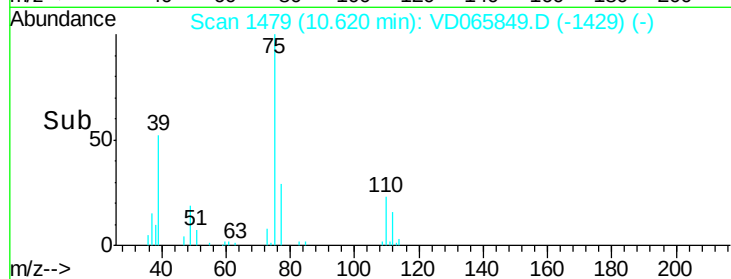
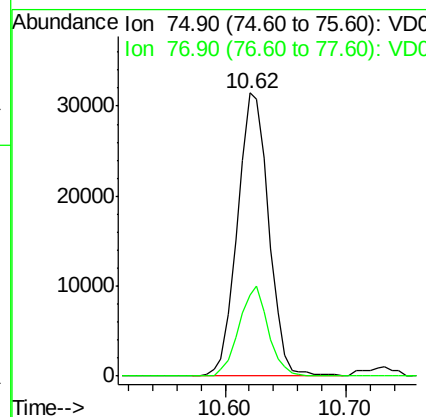
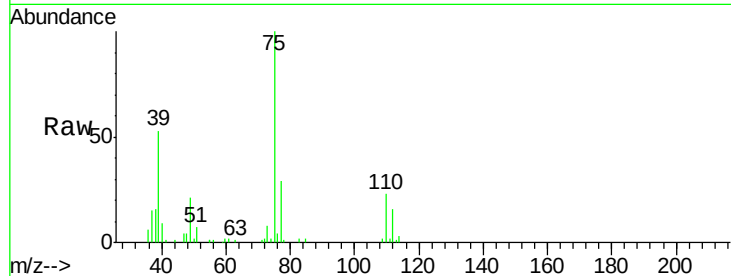
#53
t-1,3-Dichloropropene
Concen: 22.254 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

Tot Ion: 75 Resp: 56856
Ion Ratio Lower Upper
75 100
77 28.8 26.4 39.6

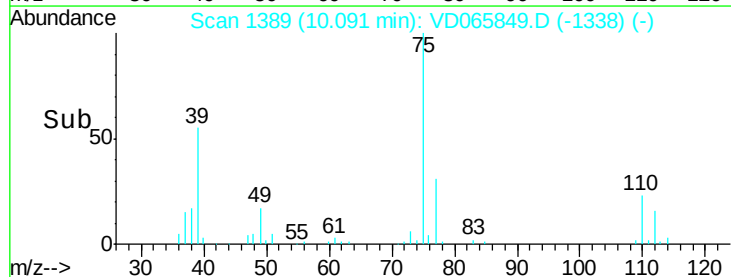
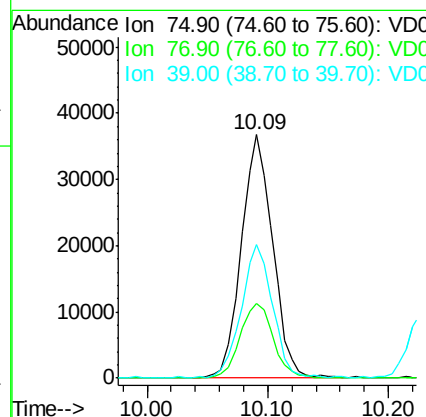
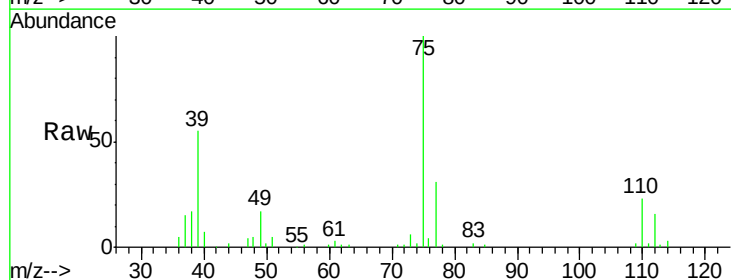
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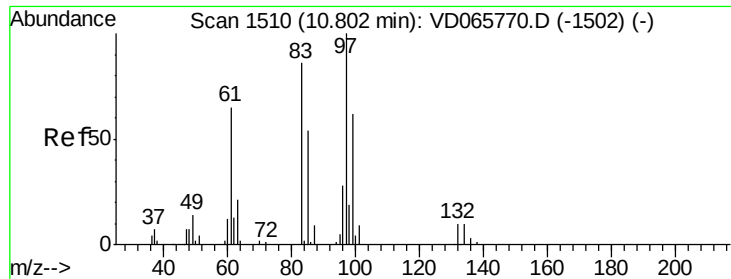
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 22.059 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Tgt Ion: 75 Resp: 66562
Ion Ratio Lower Upper
75 100
77 30.9 26.0 39.0
39 54.7 45.0 67.6





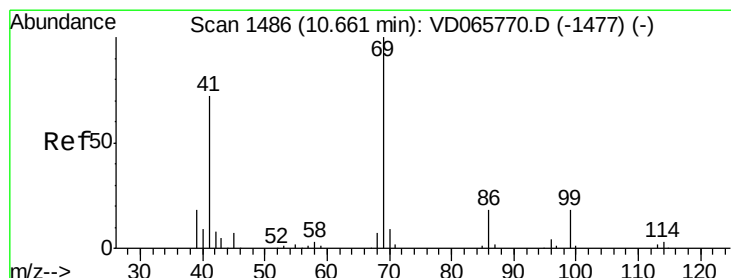
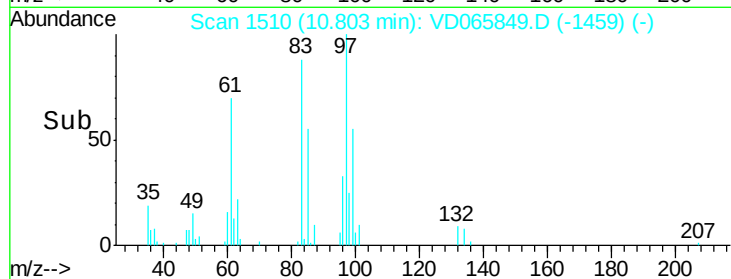
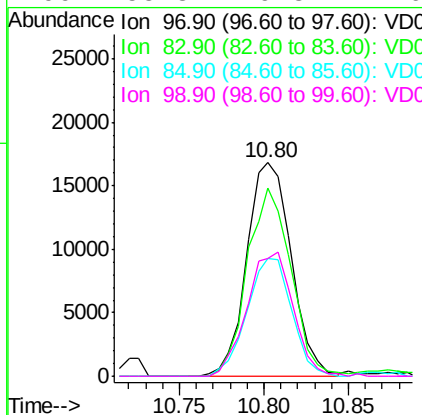
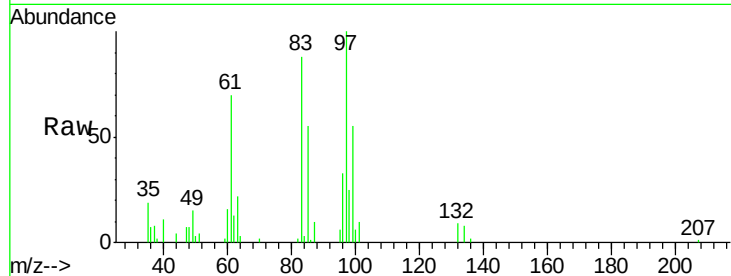
#55
 1,1,2-Trichloroethane
 Concen: 21.854 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065849.D
 Acq: 22 Jun 2020 17:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		30744		
83	88.3	68.7	103.1		
85	55.3	43.0	64.6		
99	55.3	49.8	74.6		

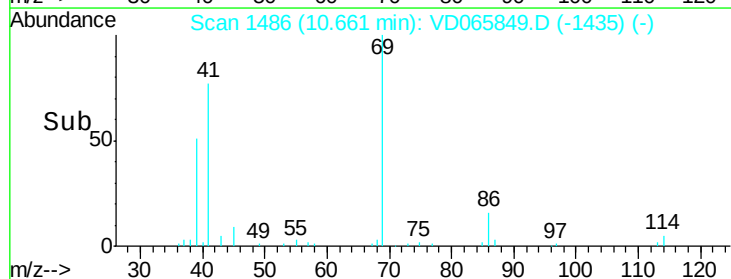
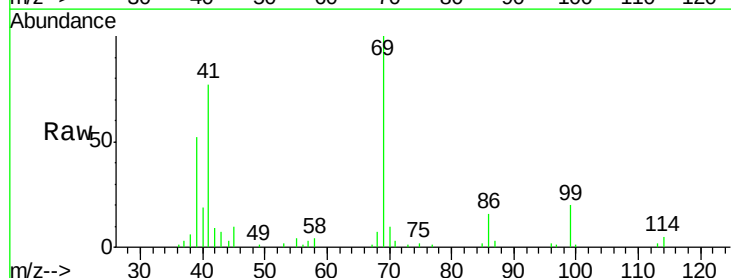
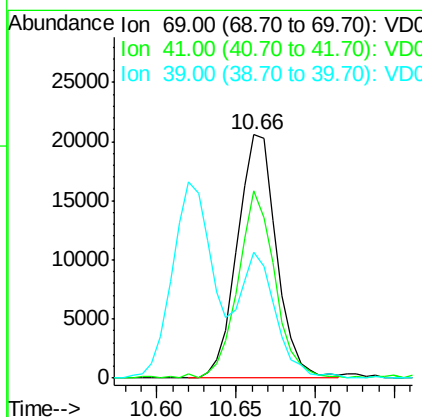
Manual Integrations
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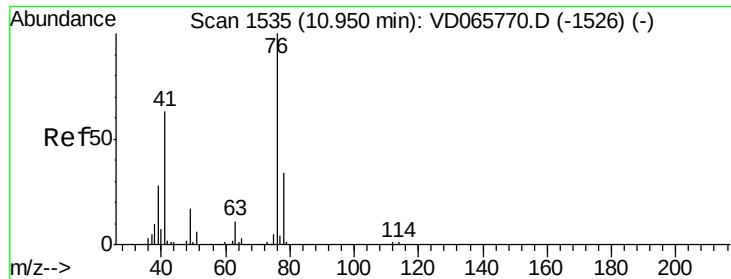
MMDadoda
 6/23/2020 11:02:18 AM



#56
 Ethyl methacrylate
 Concen: 21.387 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD065849.D
 Acq: 22 Jun 2020 17:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		35389		
41	72.5	56.9	85.3		
39	47.8	36.0	54.0		





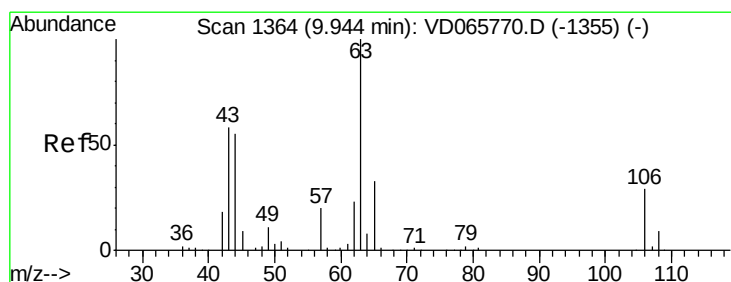
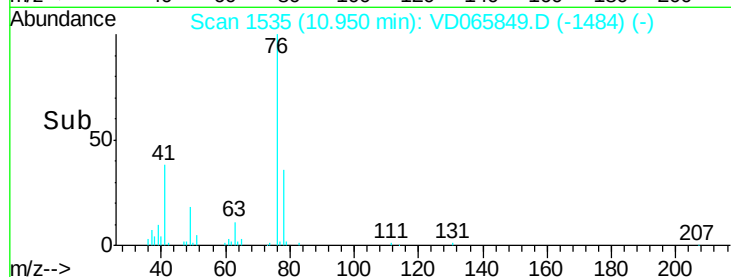
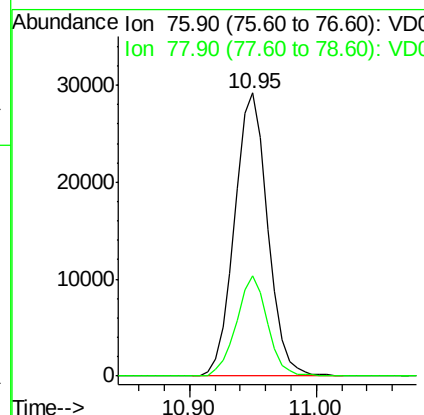
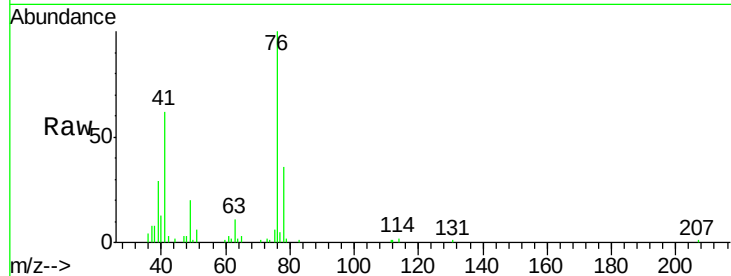
#57
 1,3-Dichloropropane
 Concen: 21.580 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065849.D
 Acq: 22 Jun 2020 17:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

Tot Ion: 76 Resp: 52596
 Ion Ratio Lower Upper
 76 100
 78 33.3 26.3 39.5

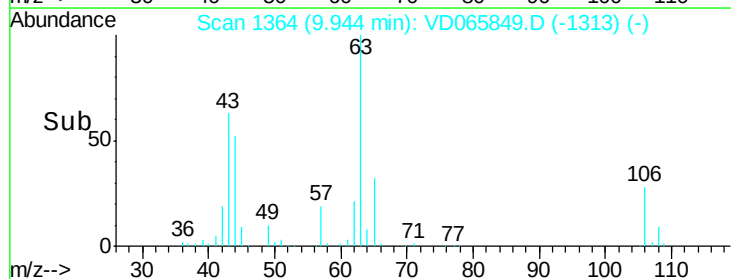
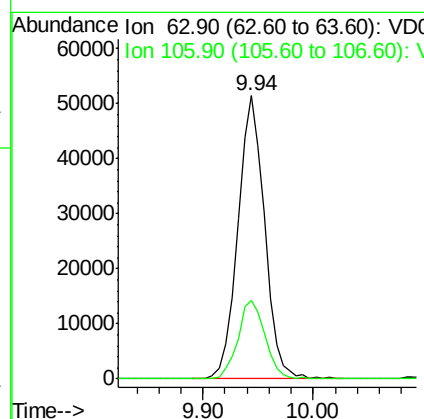
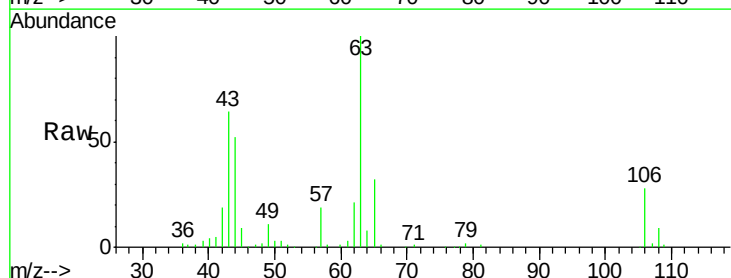
Manual Integrations
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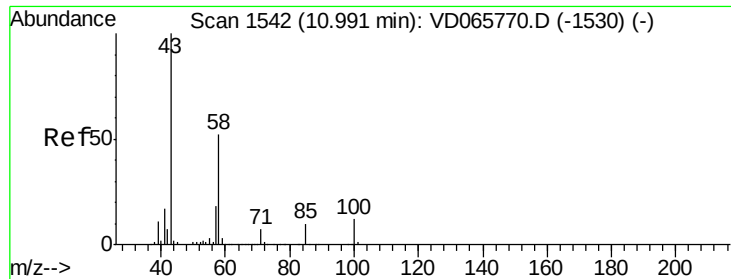
MMDadoda
 6/23/2020 11:02:18 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 113.549 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065849.D
 Acq: 22 Jun 2020 17:24

Tgt Ion: 63 Resp: 87353
 Ion Ratio Lower Upper
 63 100
 106 27.9 23.2 34.8





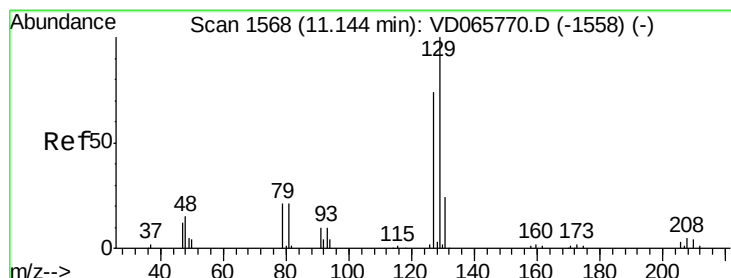
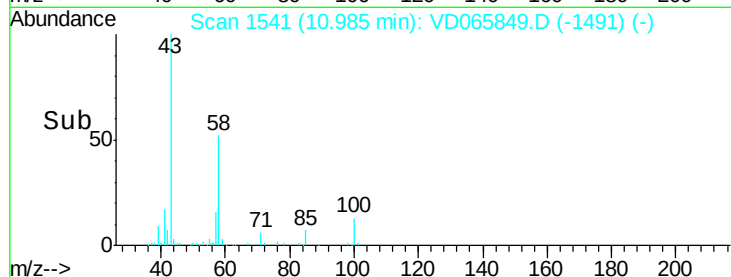
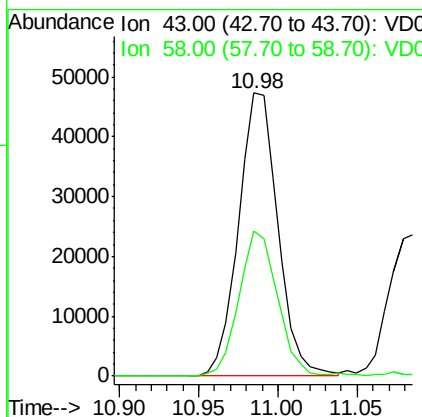
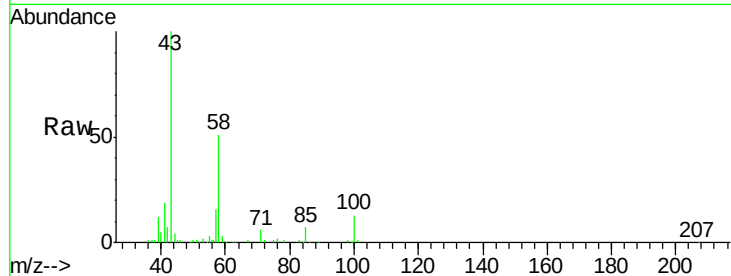
#59
2-Hexanone
Concen: 111.598 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

Tot Ion: 43 Resp: 81610
Ion Ratio Lower Upper
43 100
58 50.5 25.7 77.0

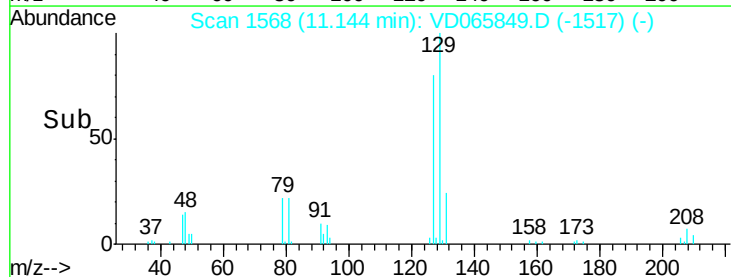
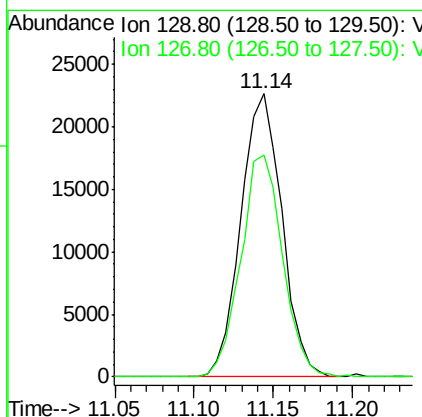
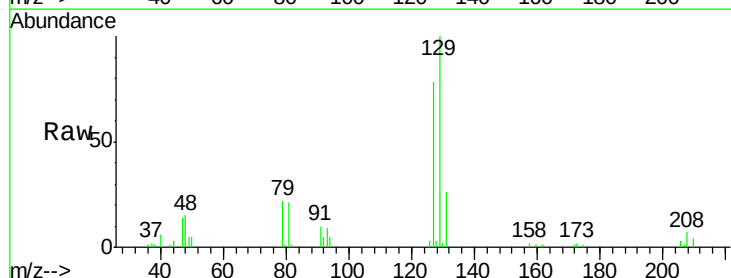
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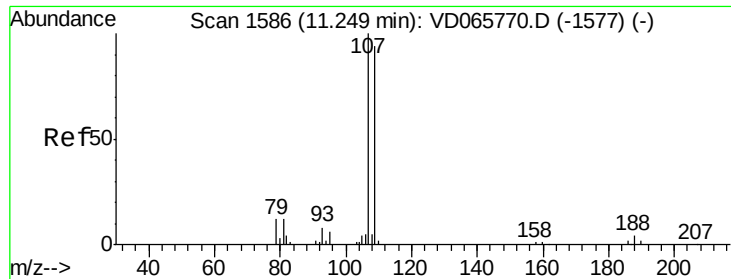
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#60
Dibromochloromethane
Concen: 21.432 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Tgt Ion:129 Resp: 40731
Ion Ratio Lower Upper
129 100
127 80.0 38.0 113.9





#61

1,2-Dibromoethane

Concen: 20.656 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBSD01

Tot Ion: 107 Resp: 28558

Ion Ratio Lower Upper

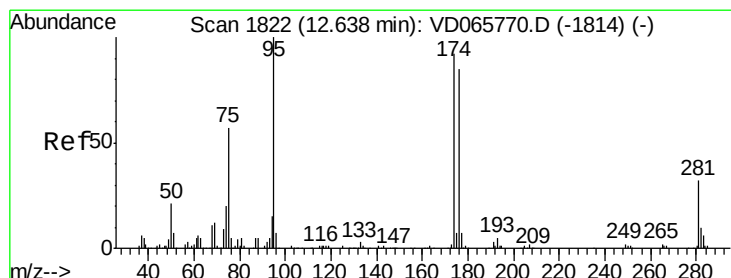
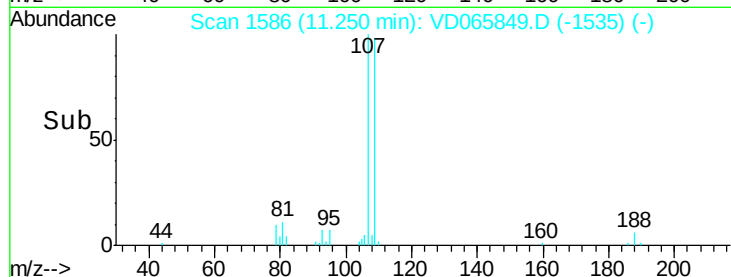
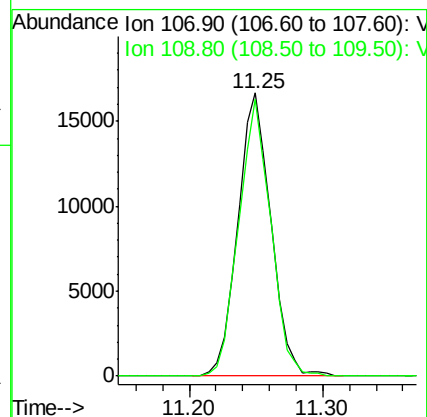
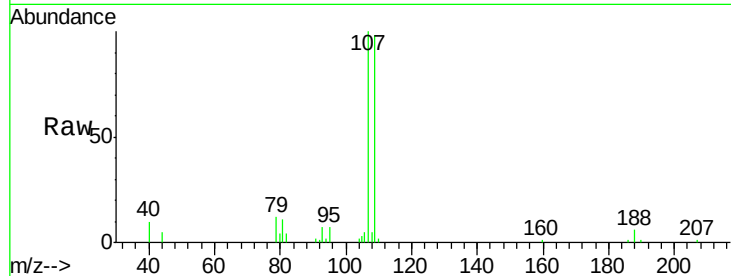
107 100

109 95.1 74.4 111.6

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#62

4-Bromofluorobenzene

Concen: 53.120 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

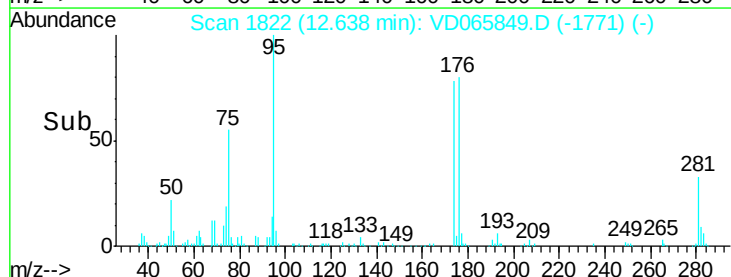
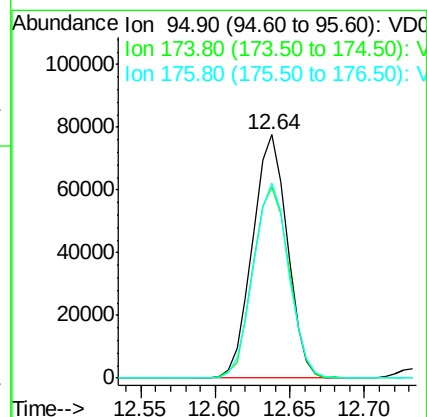
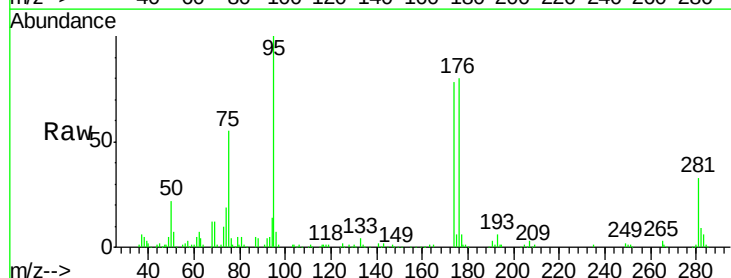
Tgt Ion: 95 Resp: 125186

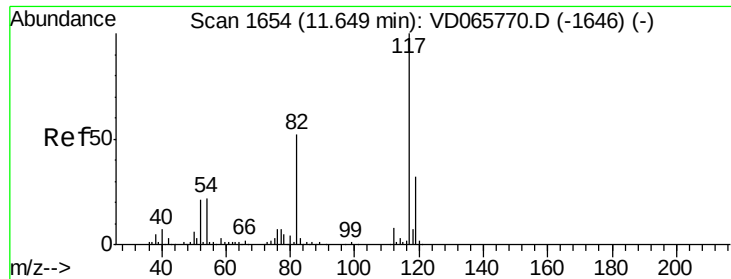
Ion Ratio Lower Upper

95 100

174 81.6 0.0 175.2

176 81.4 0.0 163.0





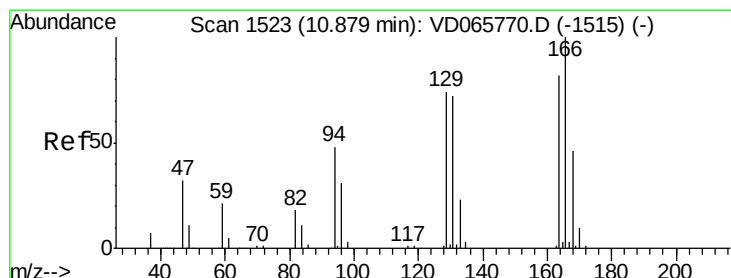
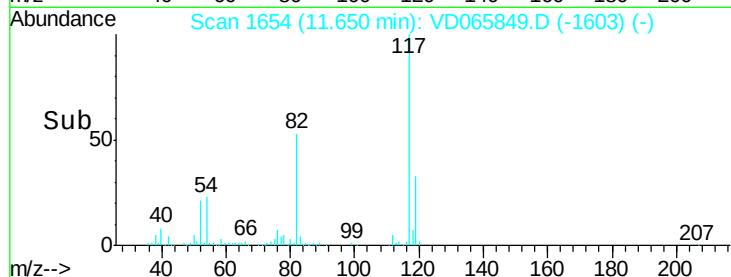
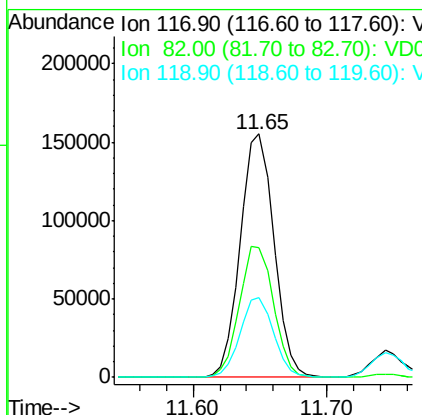
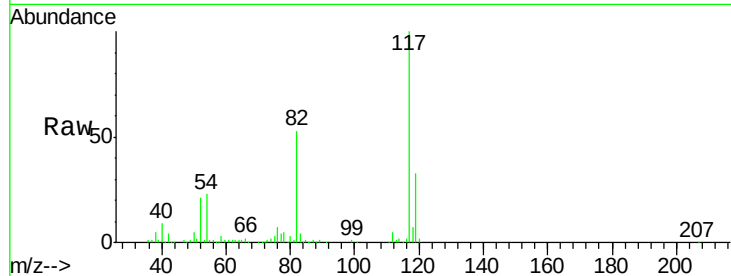
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	272251		
82	53.5		41.9	62.9
119	32.6		25.3	37.9

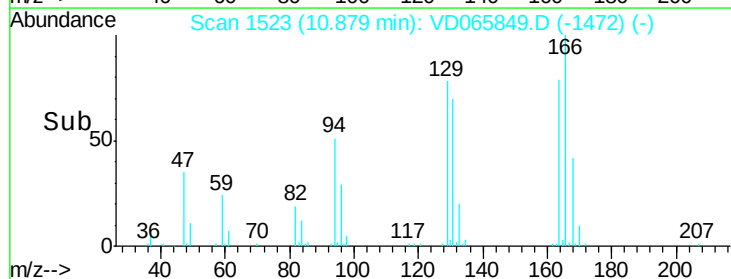
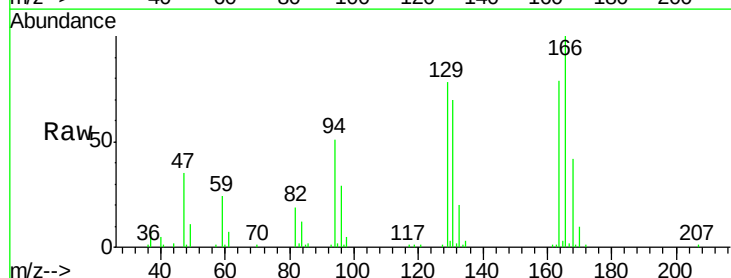
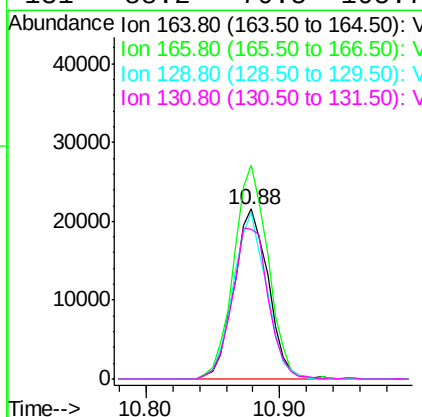
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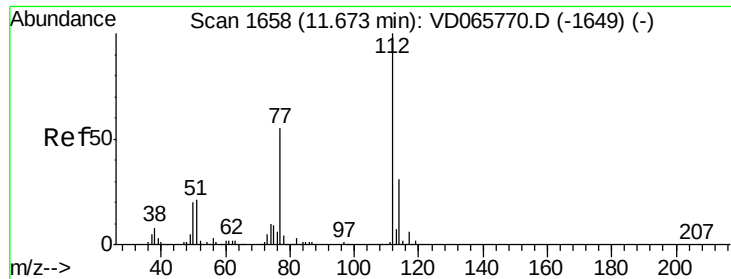
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#64
Tetrachloroethene
Concen: 20.988 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	38639		
166	125.9		98.2	147.2
129	98.1		72.3	108.5
131	88.2		70.5	105.7





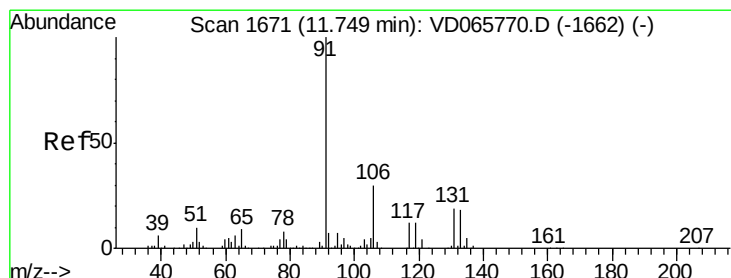
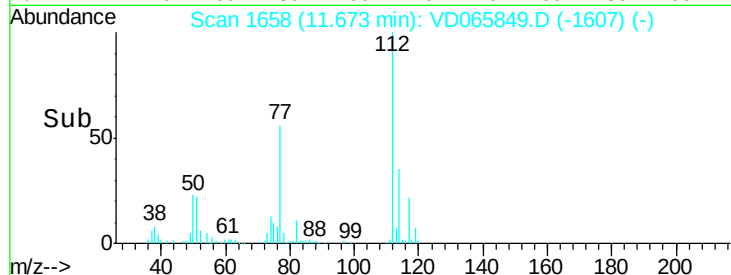
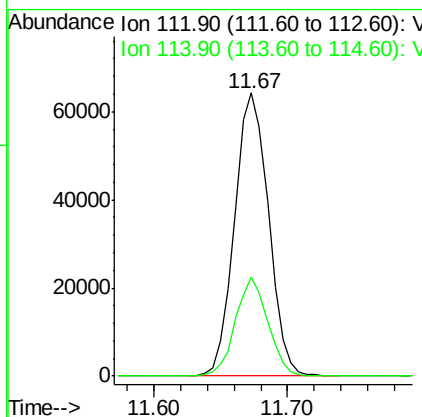
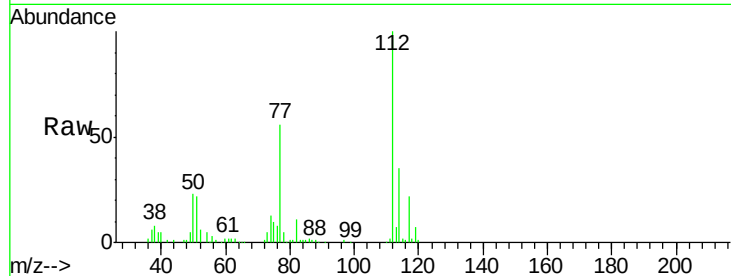
#65
Chlorobenzene
Concen: 21.327 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

Tot Ion:112 Resp: 113353
Ion Ratio Lower Upper
112 100
114 34.8 24.7 37.1

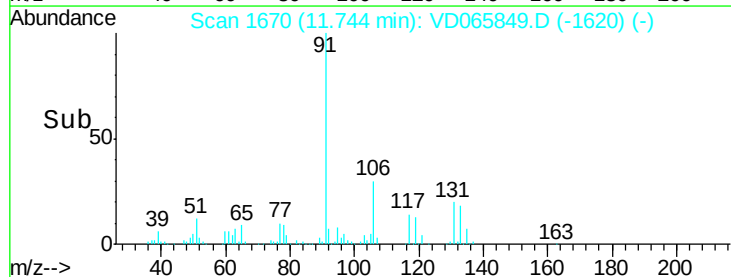
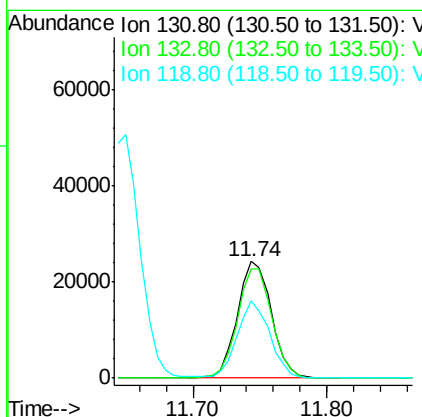
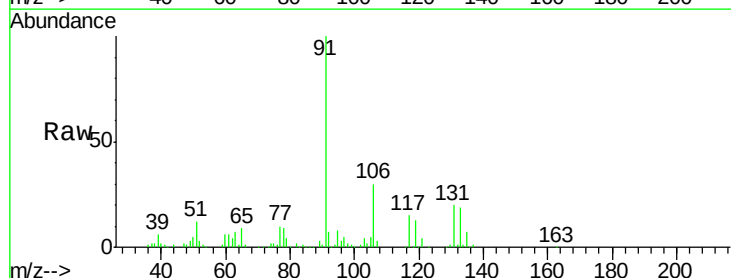
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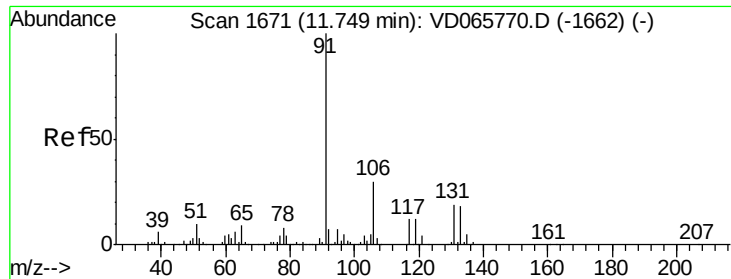
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.544 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Tgt Ion:131 Resp: 42682
Ion Ratio Lower Upper
131 100
133 95.3 47.3 141.9
119 63.6 31.6 94.8





#67

Ethyl Benzene

Concen: 21.608 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 91 Resp: 205161

Ion Ratio Lower Upper

91 100

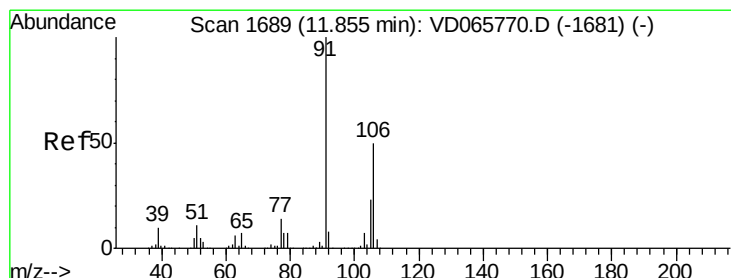
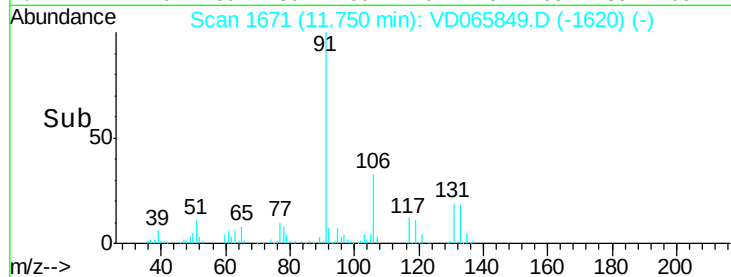
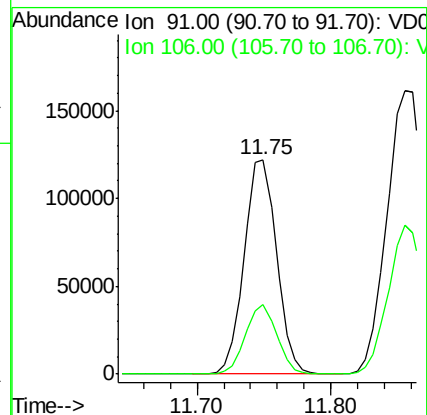
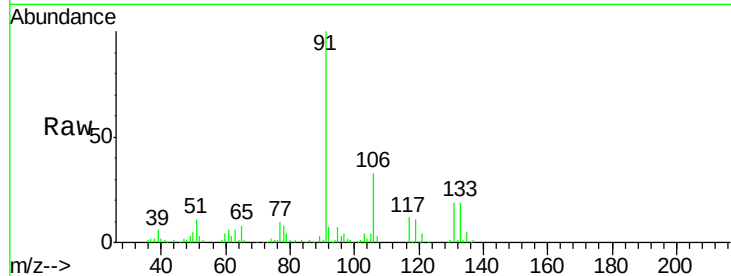
106 32.7 24.1 36.1

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#68

m/p-Xylenes

Concen: 43.700 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065849.D

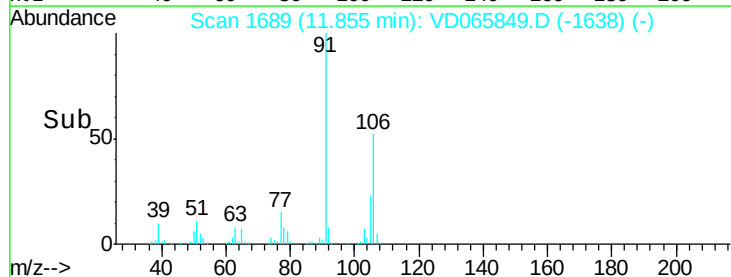
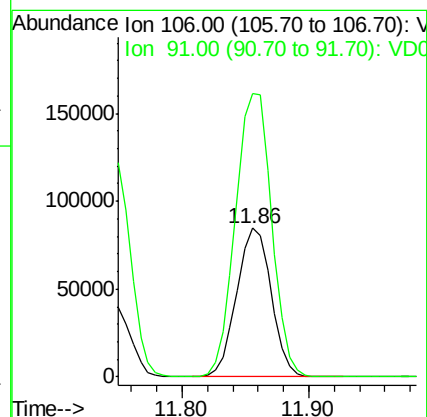
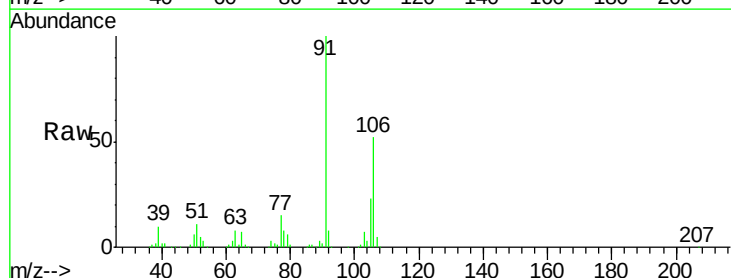
Acq: 22 Jun 2020 17:24

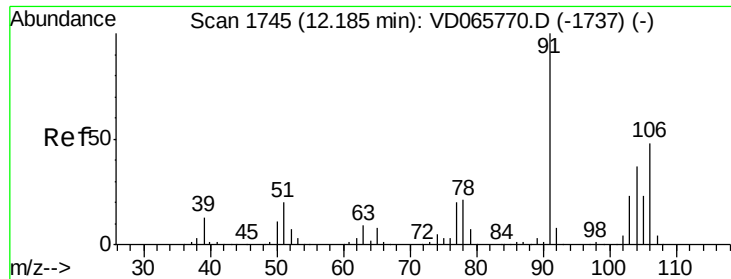
Tgt Ion: 106 Resp: 159822

Ion Ratio Lower Upper

106 100

91 200.1 159.4 239.2





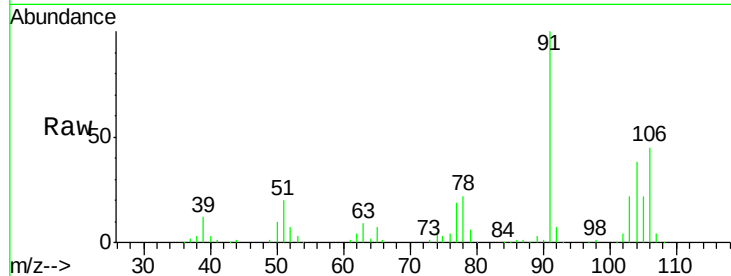
#69
o-Xylene
Concen: 21.586 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

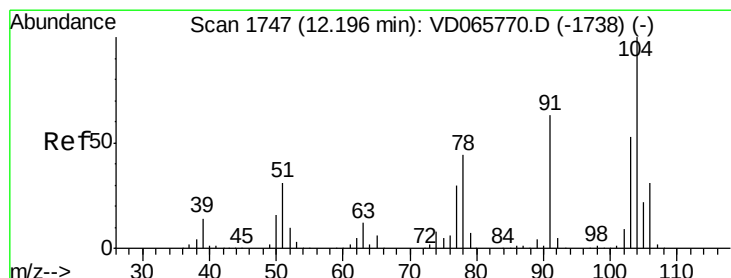
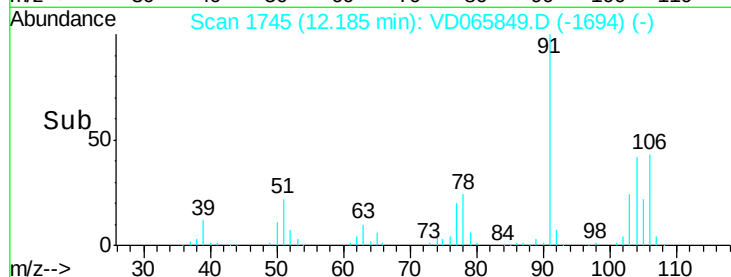
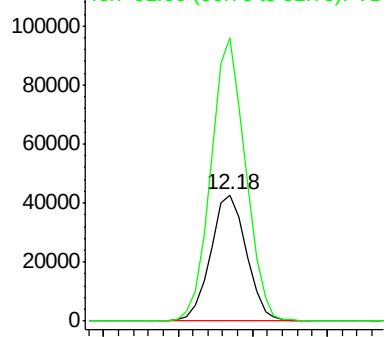
Tot Ion:106 Resp: 71181
Ion Ratio Lower Upper
106 100
91 214.9 105.3 315.8

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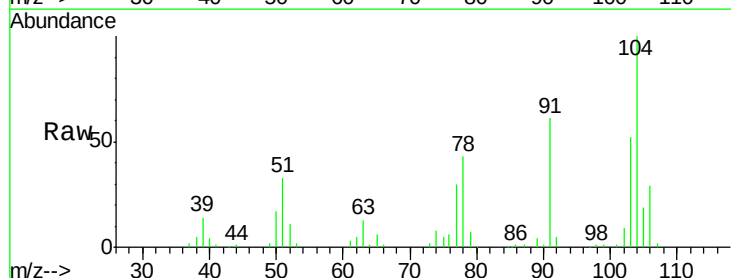


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

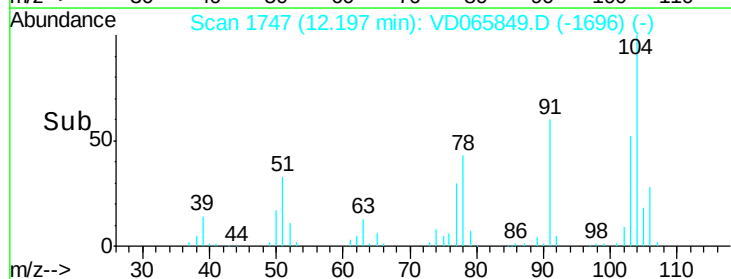
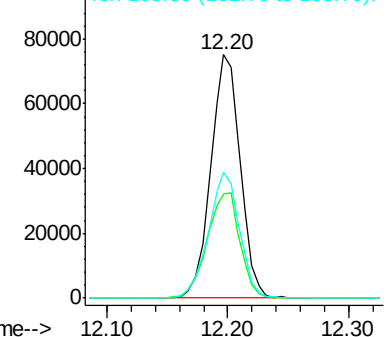


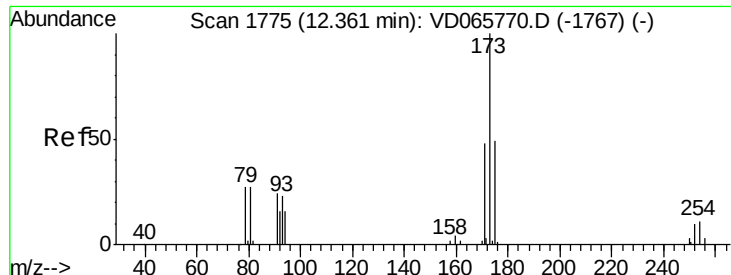
#70
Styrene
Concen: 22.288 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Tgt Ion:104 Resp: 127228
Ion Ratio Lower Upper
104 100
78 48.1 38.6 58.0
103 54.7 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 21.065 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion:173 Resp: 22982

Ion Ratio Lower Upper

173 100

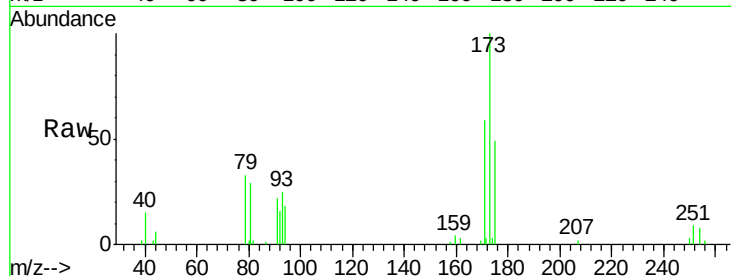
175 47.8 24.8 74.4

254 0.0 0.0 0.0

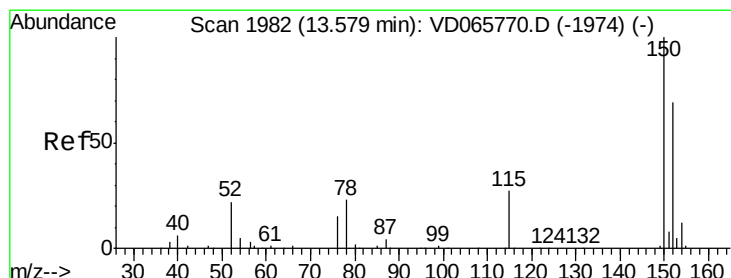
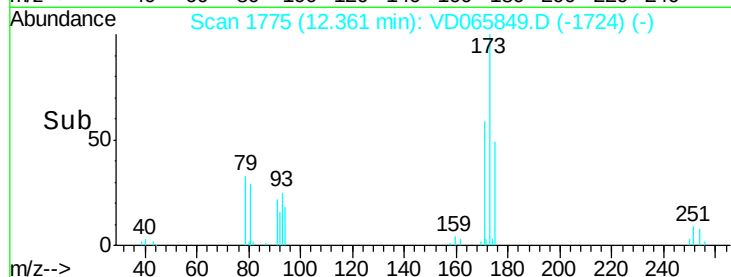
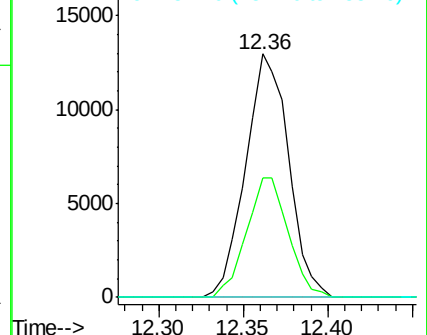
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

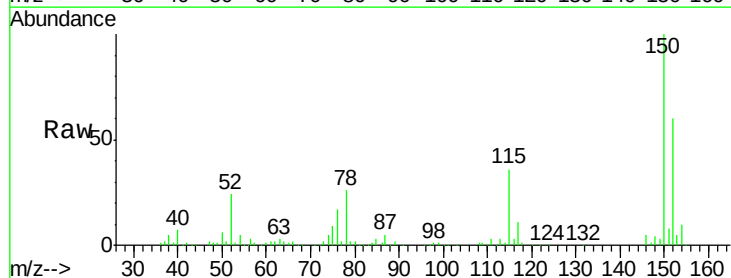
Tgt Ion:152 Resp: 137610

Ion Ratio Lower Upper

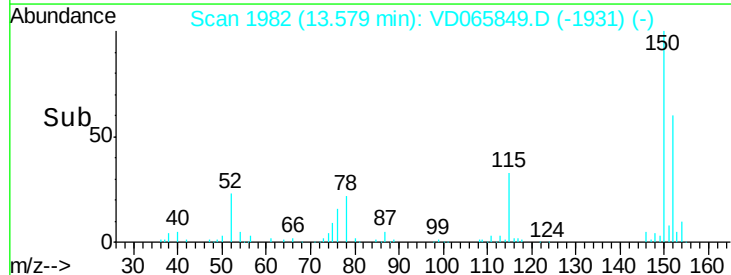
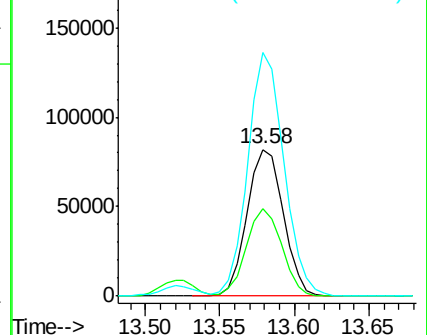
152 100

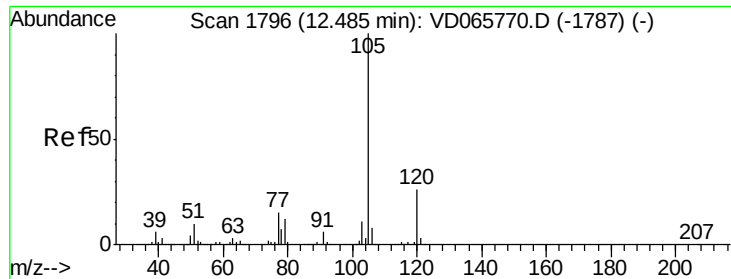
115 58.3 28.7 86.1

150 165.5 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: 21.338 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 105 Resp: 196866

Ion Ratio Lower Upper

105 100

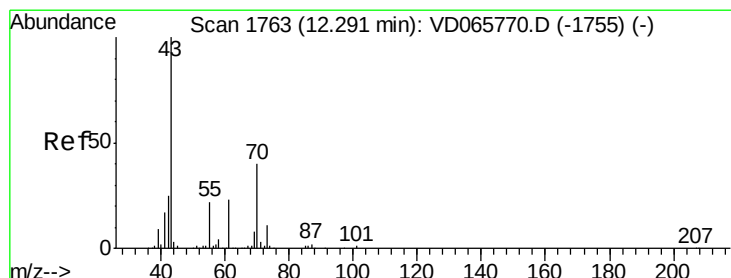
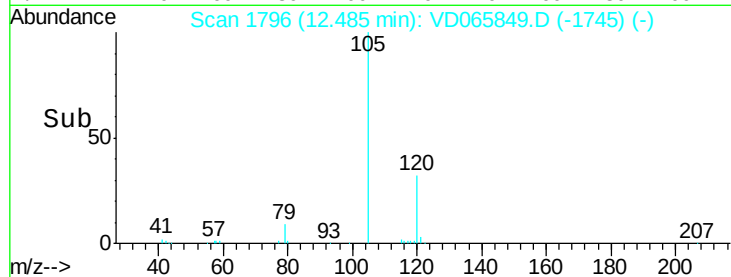
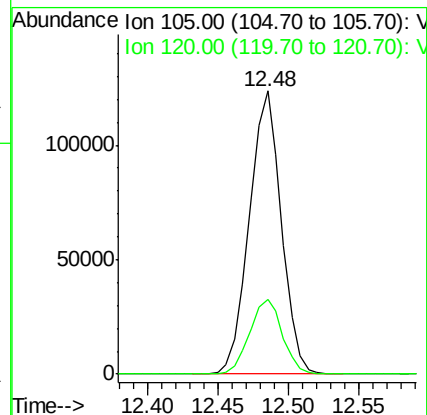
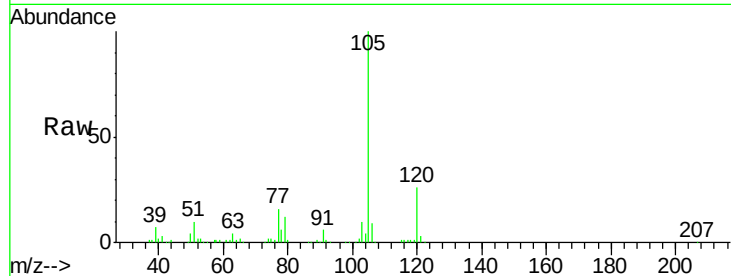
120 26.7 13.5 40.5

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#74

N-ethyl acetate

Concen: 21.792 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Tgt Ion: 43 Resp: 44730

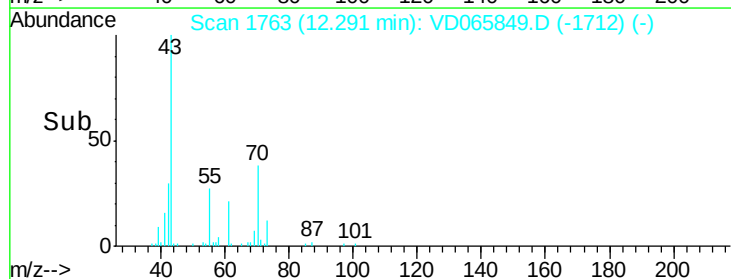
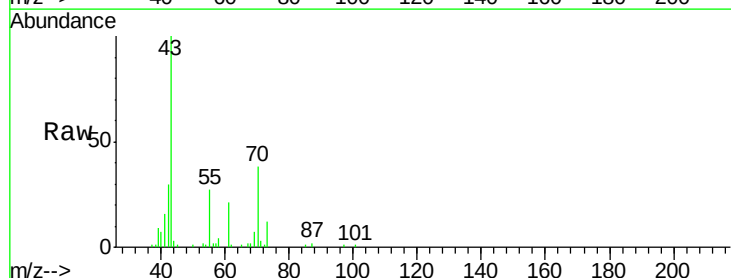
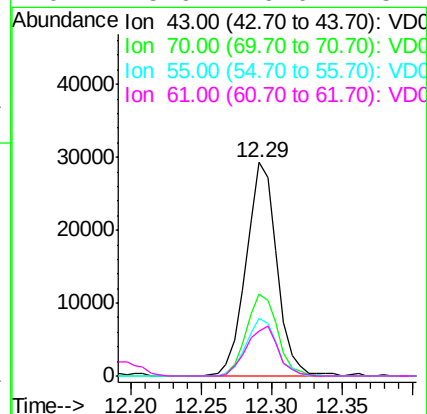
Ion Ratio Lower Upper

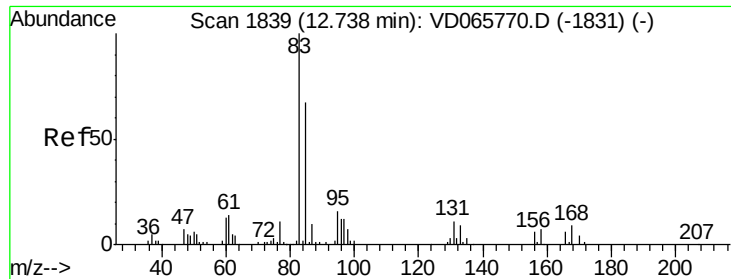
43 100

70 38.9 32.3 48.5

55 26.7 19.0 28.4

61 23.9 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.086 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

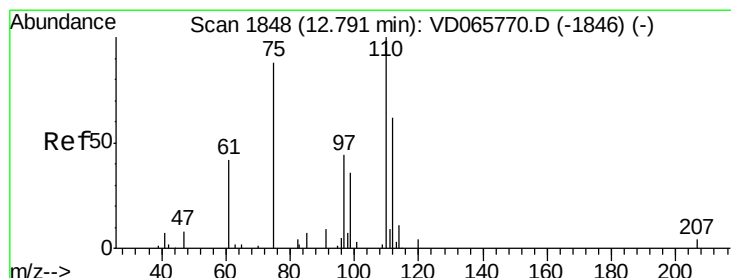
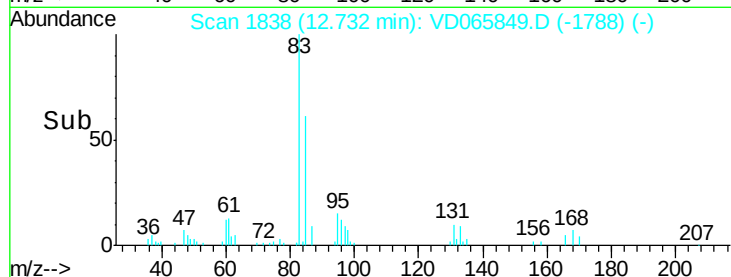
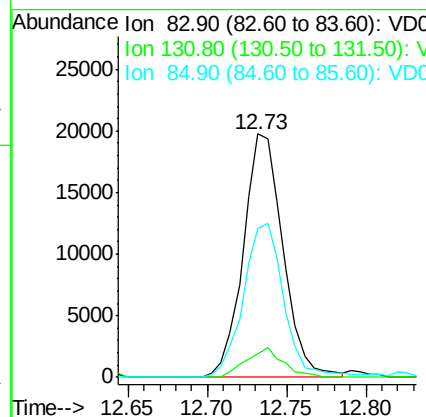
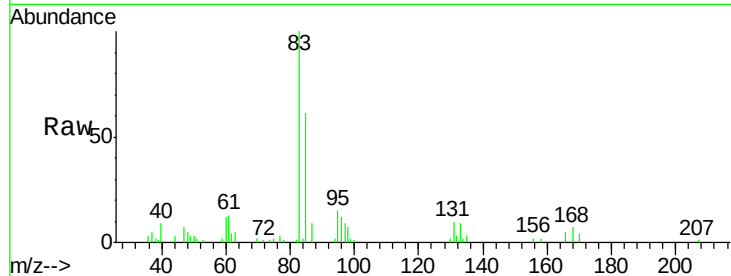
ClientSampleId :

VD0622SBSD01

Tot Ion:	83	Resp:	34413
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.5	16.4
85	64.2	32.5	97.5

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#76

1,2,3-Trichloropropane

Concen: 18.617 ug/l m

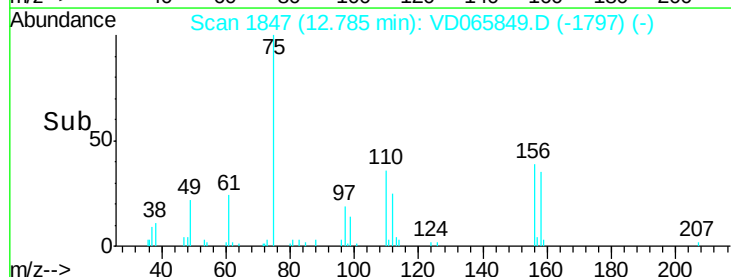
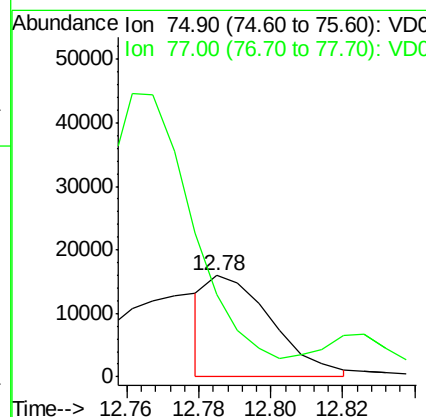
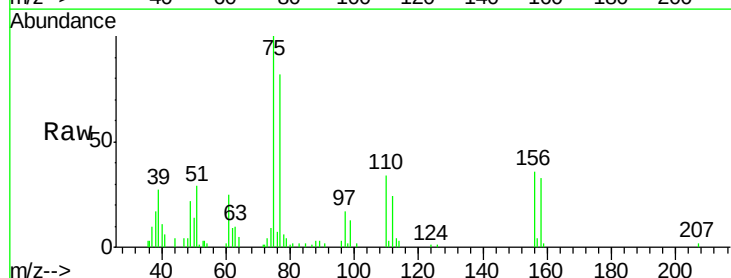
RT: 12.78 min Scan# 1847

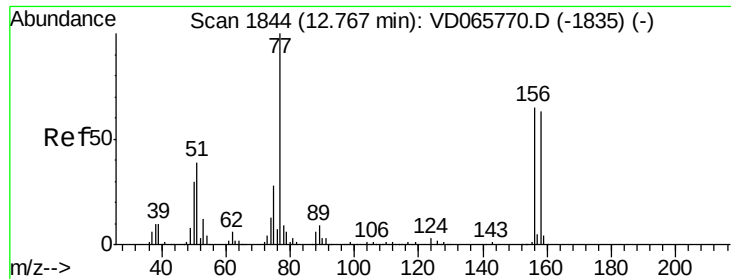
Delta R.T. -0.01 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Tgt Ion:	75	Resp:	19924
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.616 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

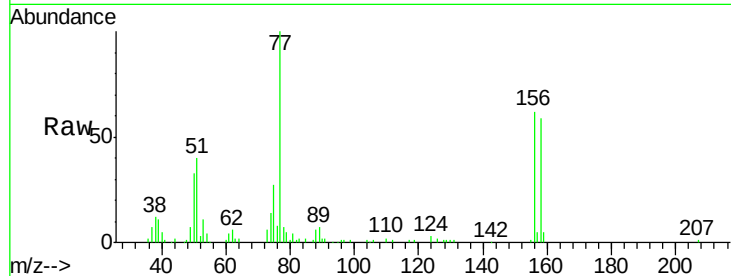
ClientSampleId :

VD0622SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	178.4	87.3	261.8	
158	96.3	48.0	144.0	

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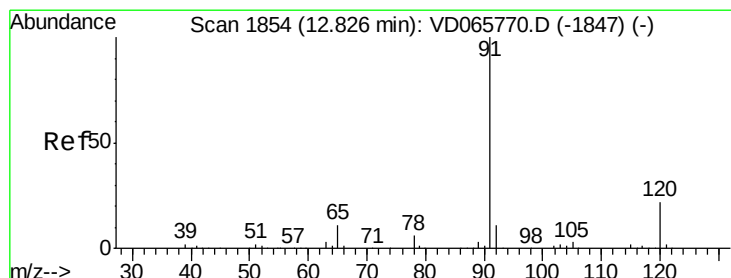
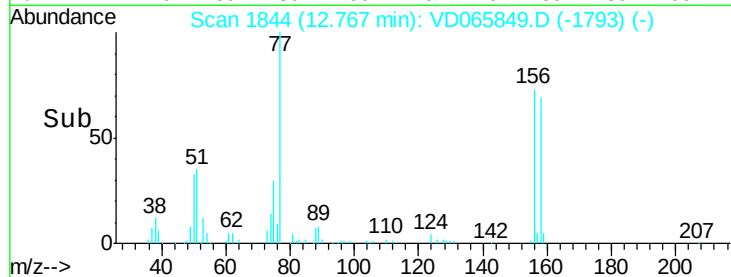
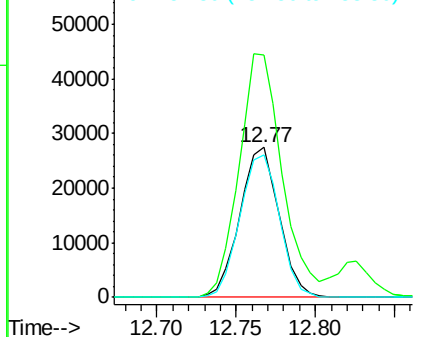
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.999 ug/l

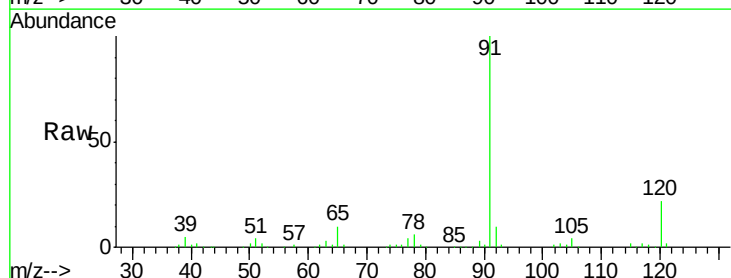
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065849.D

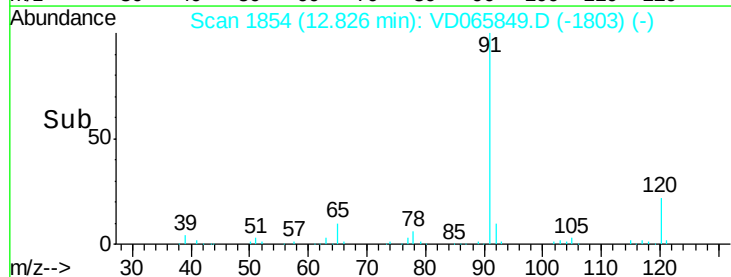
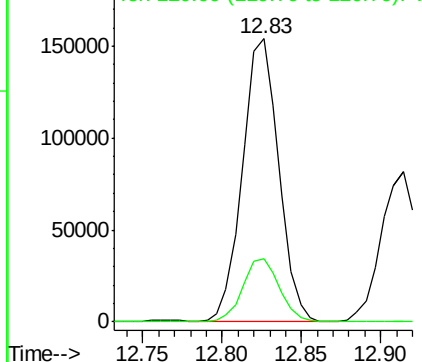
Acq: 22 Jun 2020 17:24

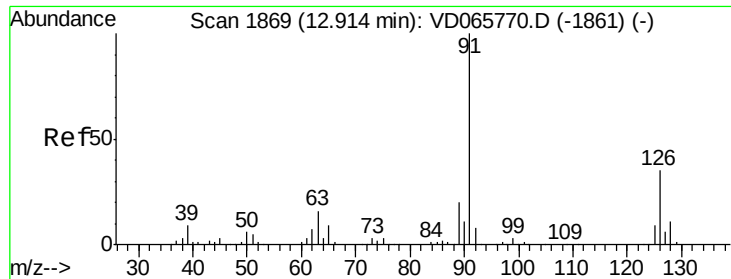
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.5	11.3	33.8	



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.988 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 91 Resp: 133963

Ion Ratio Lower Upper

91 100

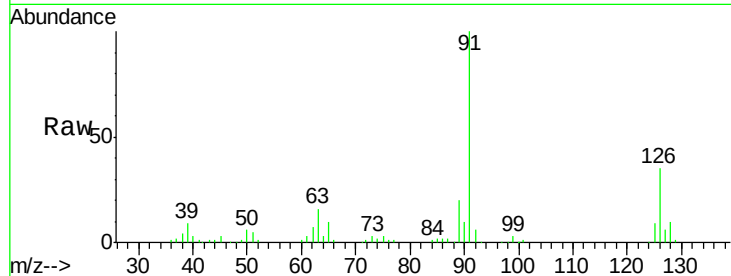
126 33.4 17.5 52.6

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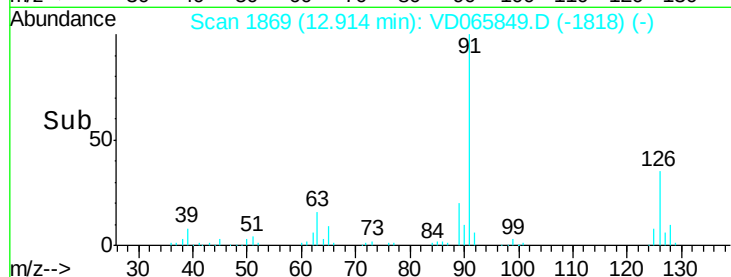
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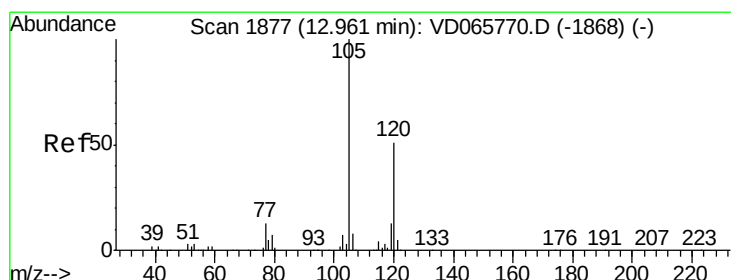
Abundance Ion 91.00 (90.70 to 91.70): VD065770.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD065770.D (-1861) (-)

Time-->



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.841 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD065849.D

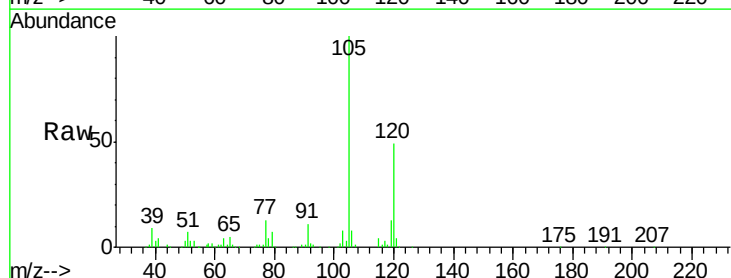
Acq: 22 Jun 2020 17:24

Tgt Ion: 105 Resp: 167692

Ion Ratio Lower Upper

105 100

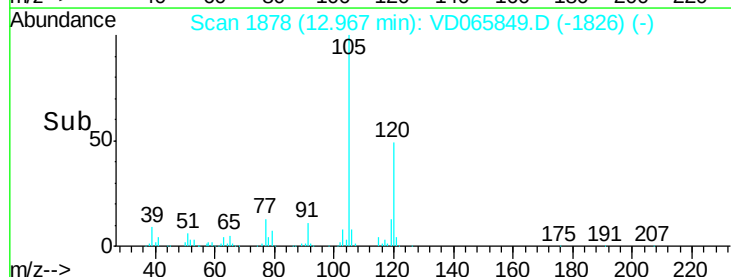
120 49.0 25.4 76.0



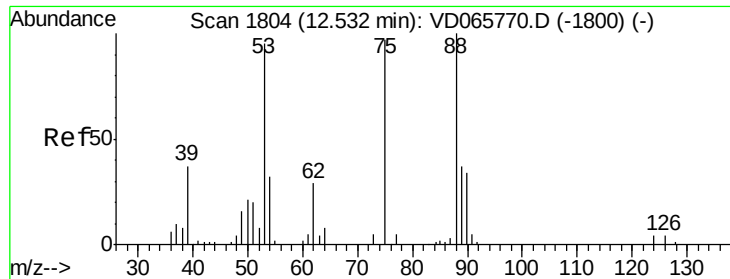
Abundance Ion 105.00 (104.70 to 105.70): VD065770.D (-1868) (-)

Ion 120.00 (119.70 to 120.70): VD065770.D (-1868) (-)

Time-->



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 22.678 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

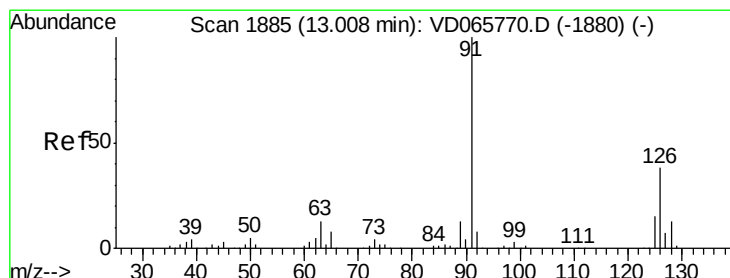
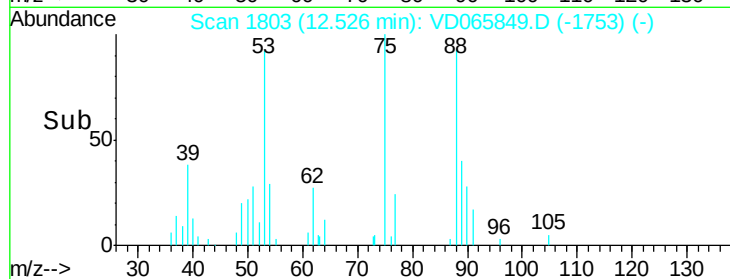
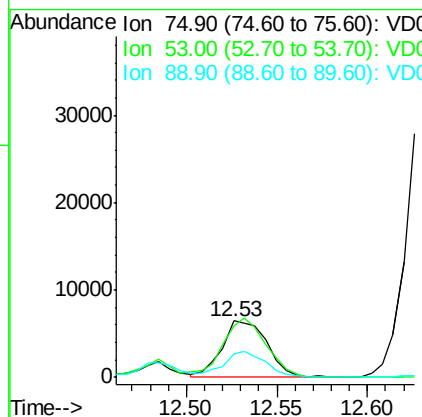
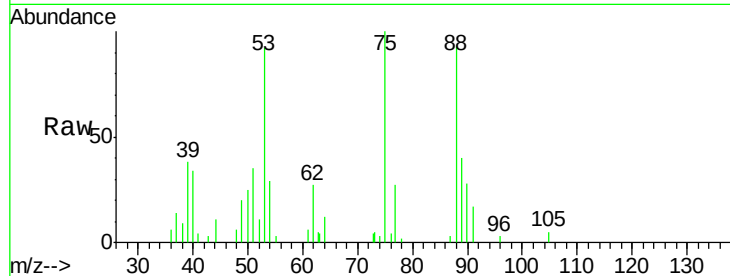
ClientSampleId :

VD0622SBSD01

Tot Ion:	75	Resp:	11233
Ion Ratio	Lower	Upper	
75	100		
53	100.3	82.6	123.8
89	41.3	35.9	53.9

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#82

4-Chlorotoluene

Concen: 22.050 ug/l

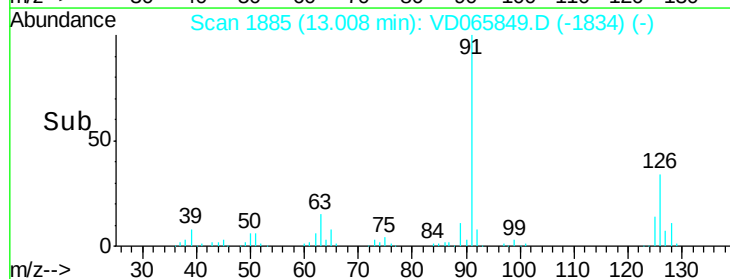
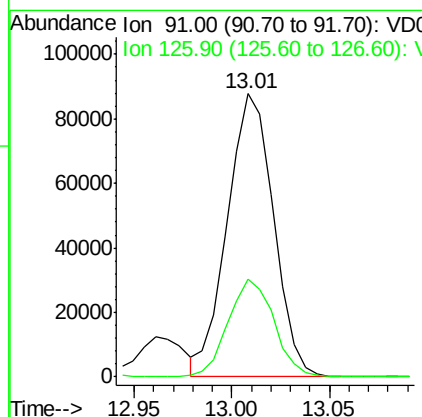
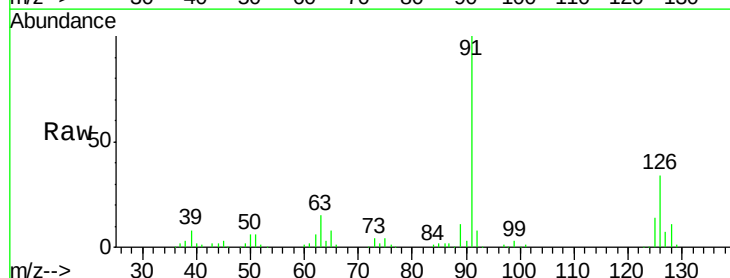
RT: 13.01 min Scan# 1885

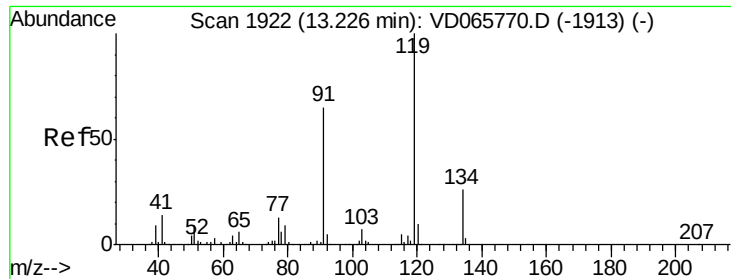
Delta R.T. 0.00 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Tgt Ion:	91	Resp:	144196
Ion Ratio	Lower	Upper	
91	100		
126	34.1	17.6	52.8





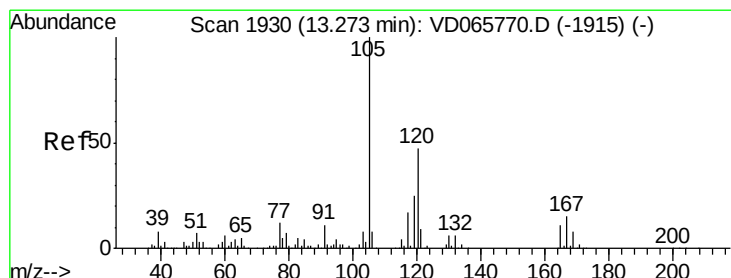
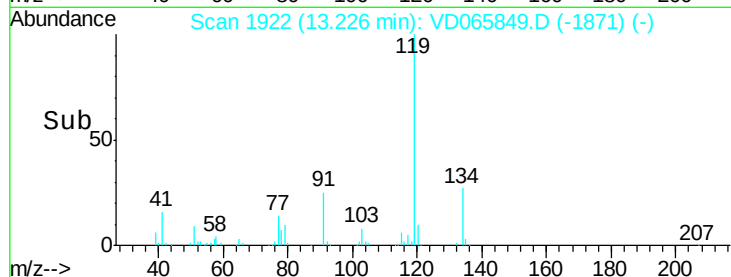
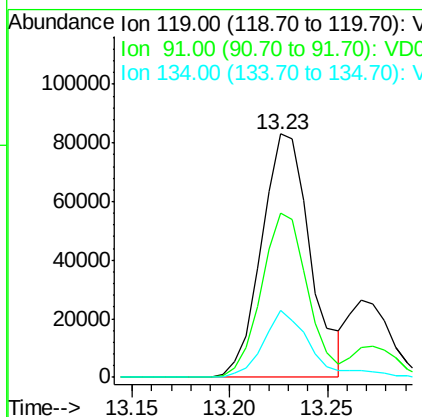
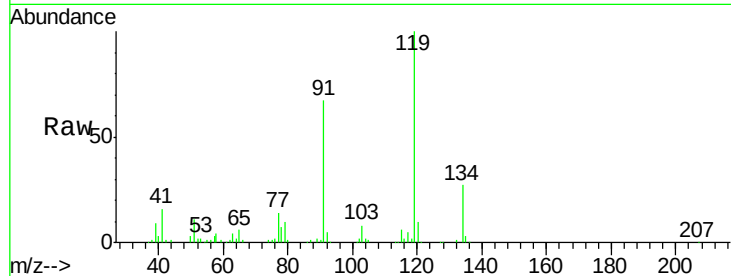
#83
 tert-Butylbenzene
 Concen: 21.586 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD065849.D
 Acq: 22 Jun 2020 17:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	143801		
91	63.9		32.0	96.0
134	27.1		13.8	41.4

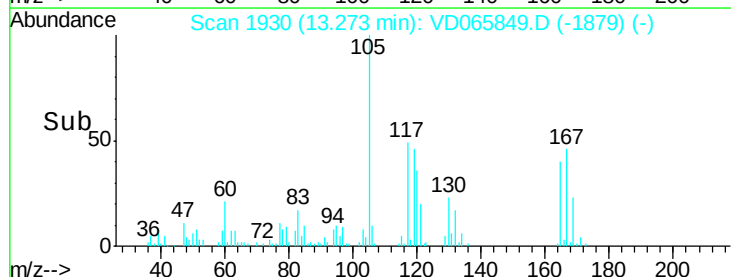
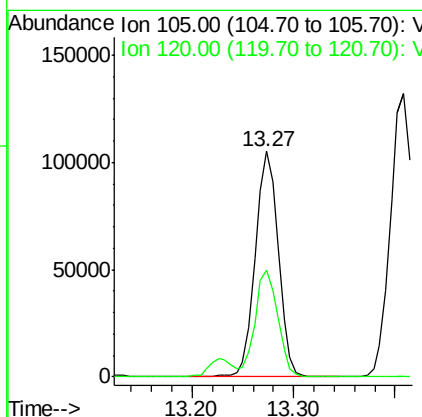
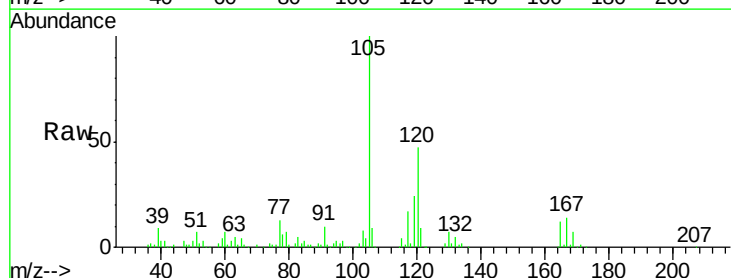
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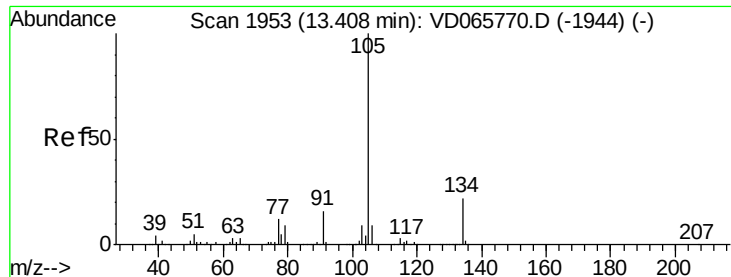
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.767 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD065849.D
 Acq: 22 Jun 2020 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	167277		
120	46.7		23.3	69.8





#85

sec-Butylbenzene

Concen: 22.134 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion:105 Resp: 205208

Ion Ratio Lower Upper

105 100

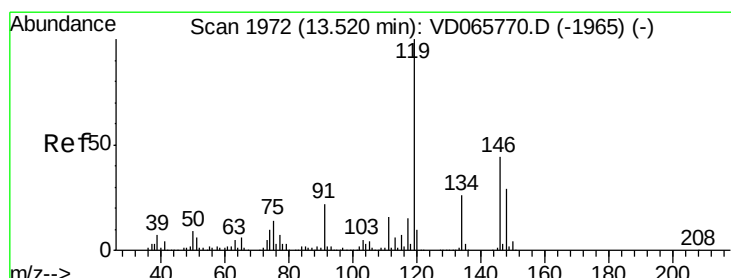
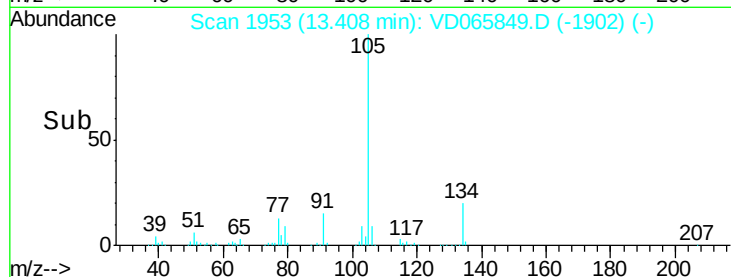
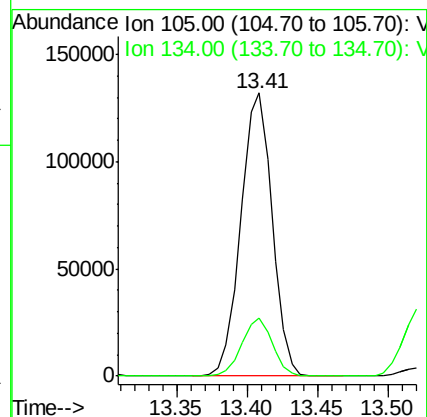
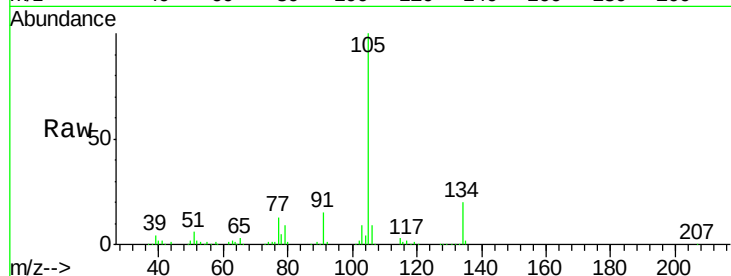
134 20.1 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 21.723 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

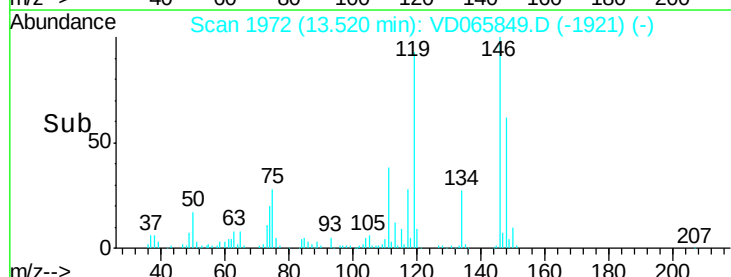
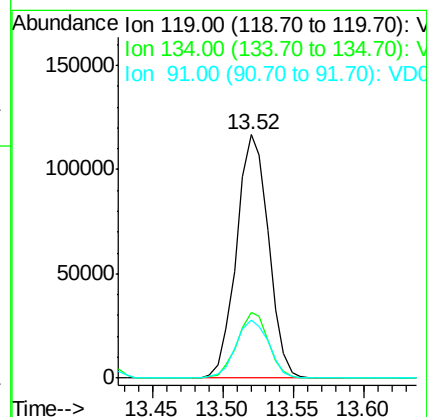
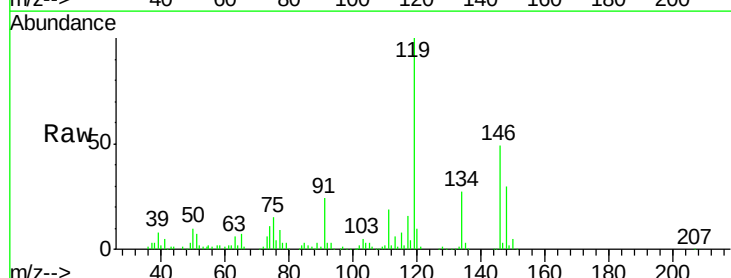
Tgt Ion:119 Resp: 184592

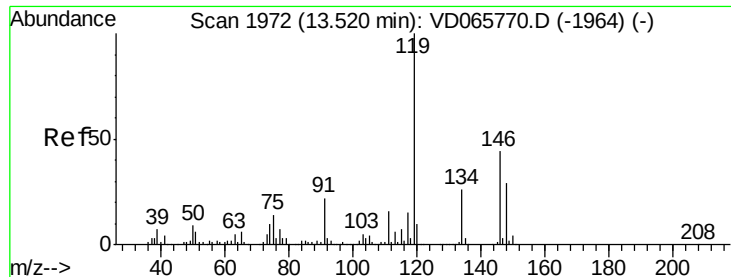
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

91 24.5 11.8 35.4





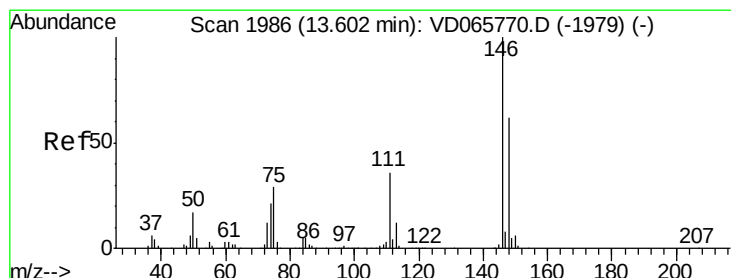
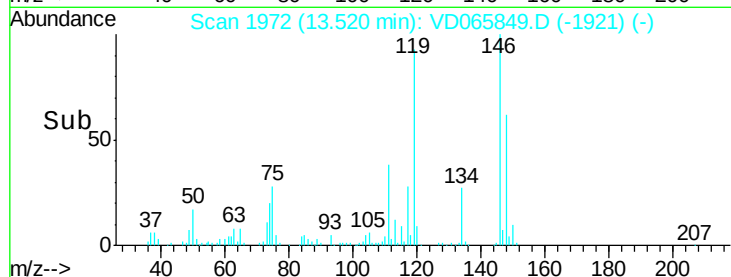
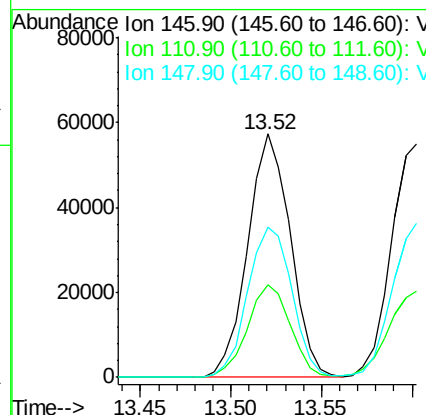
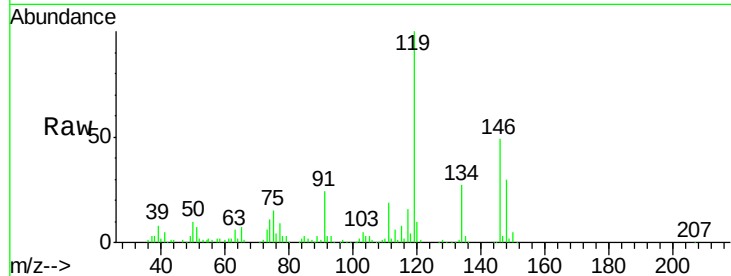
#87
 1,3-Dichlorobenzene
 Concen: 21.797 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065849.D
 Acq: 22 Jun 2020 17:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.2	57.6
148	64.1	32.1	96.3

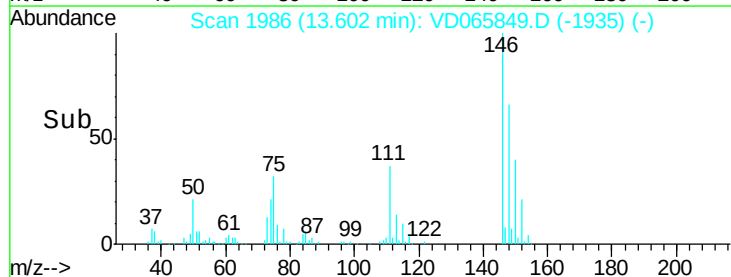
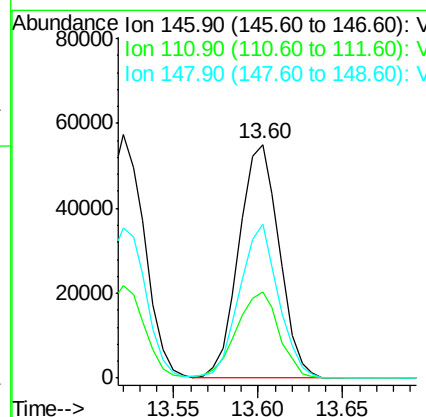
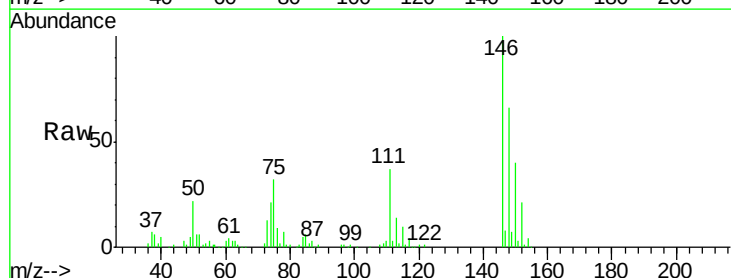
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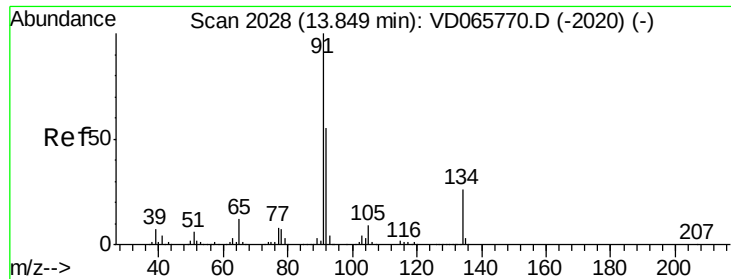
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#88
 1,4-Dichlorobenzene
 Concen: 21.401 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065849.D
 Acq: 22 Jun 2020 17:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	18.9	56.7
148	63.7	31.6	94.7





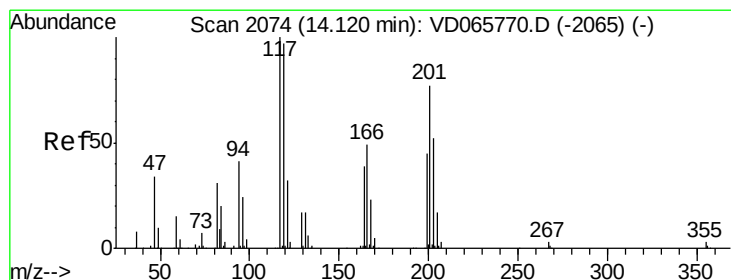
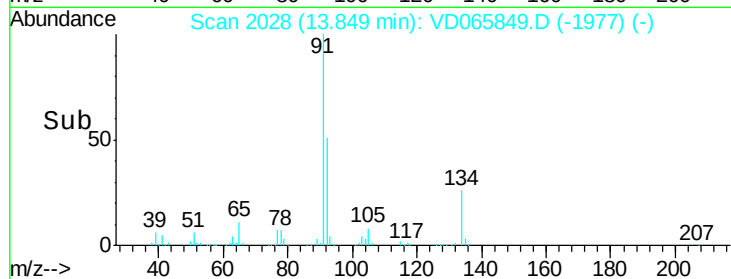
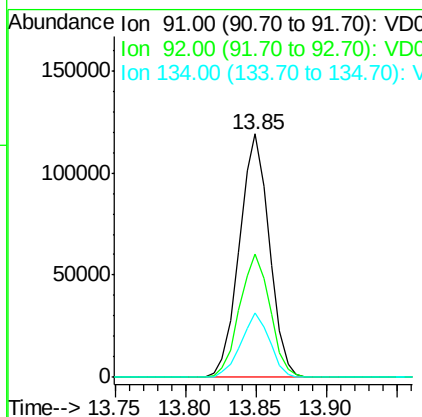
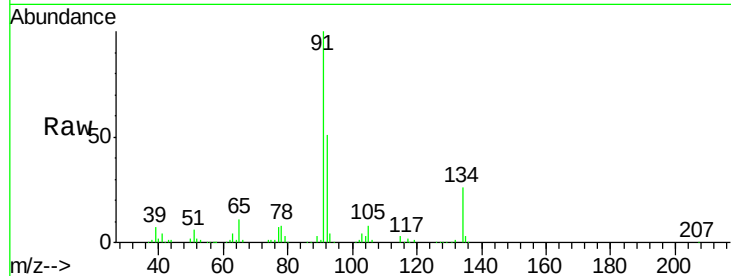
#89
n-Butylbenzene
Concen: 21.785 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	176557		
92	51.8		27.0	81.0
134	25.4		13.0	39.0

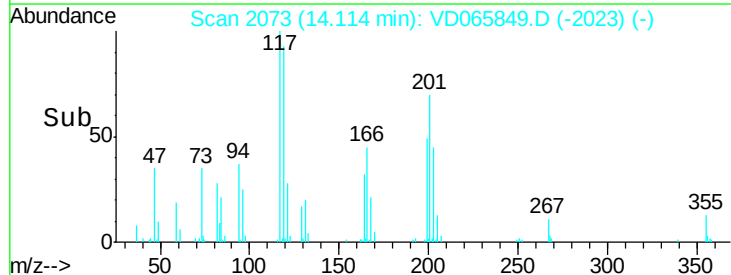
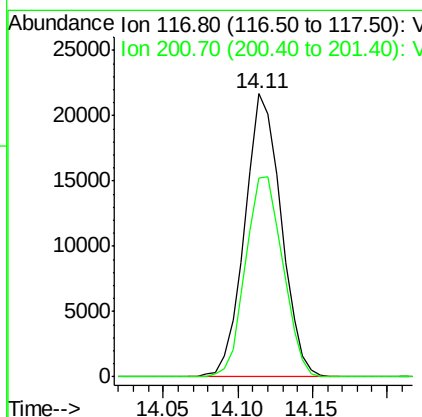
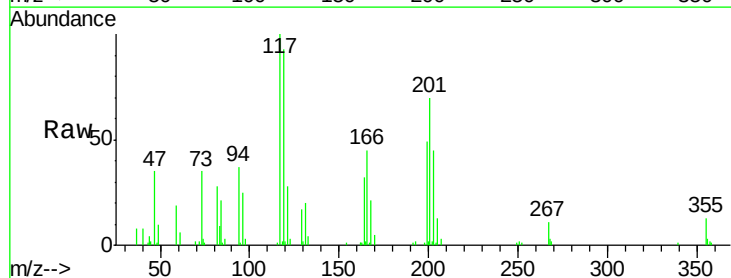
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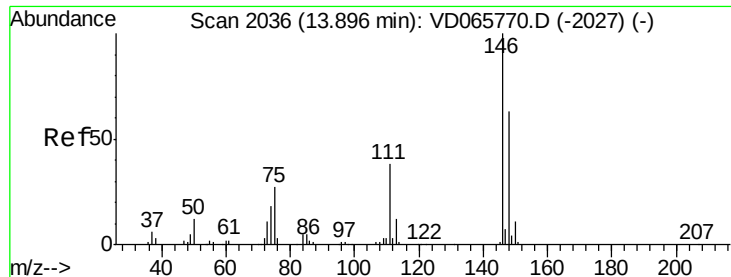
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#90
Hexachloroethane
Concen: 21.533 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	36626		
201	72.3		37.1	111.5





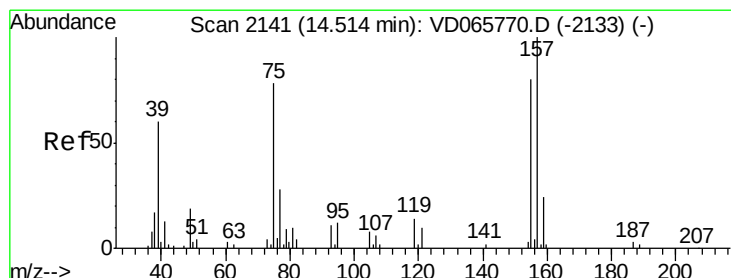
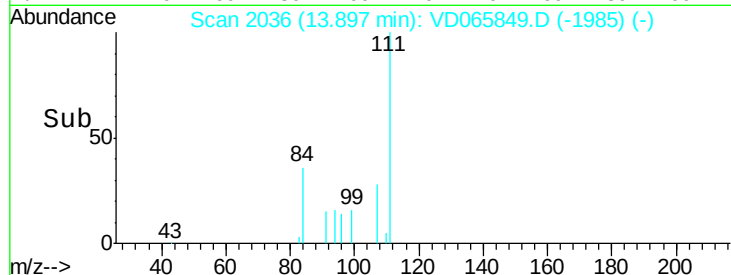
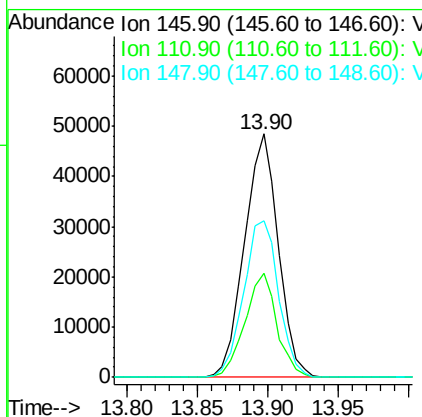
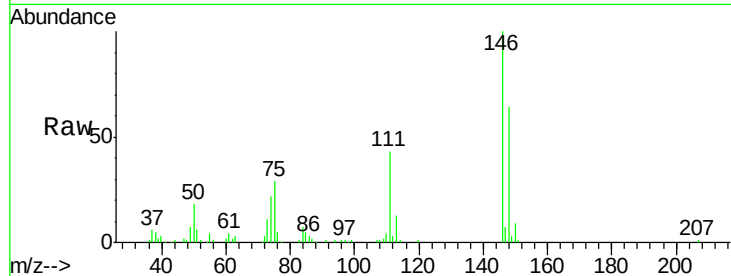
#91
 1,2-Dichlorobenzene
 Concen: 21.944 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD065849.D
 Acq: 22 Jun 2020 17:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.8	59.4
148	66.5	31.9	95.7

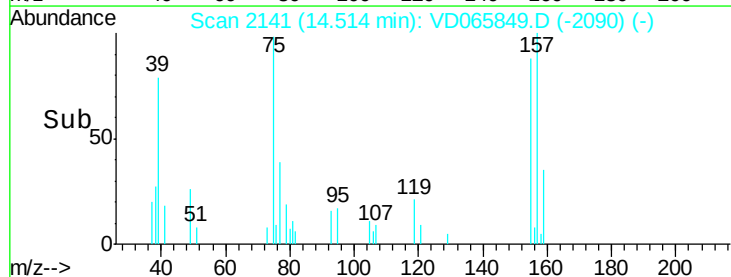
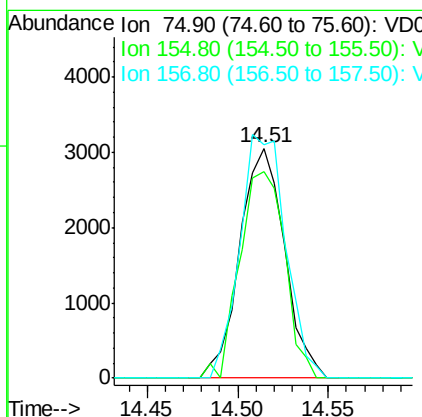
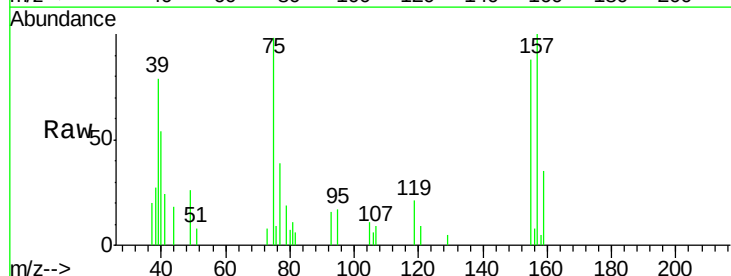
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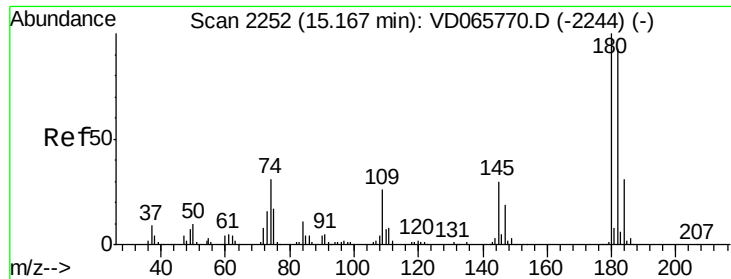
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.292 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD065849.D
 Acq: 22 Jun 2020 17:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.2	46.3	138.9
157	108.0	58.1	174.3





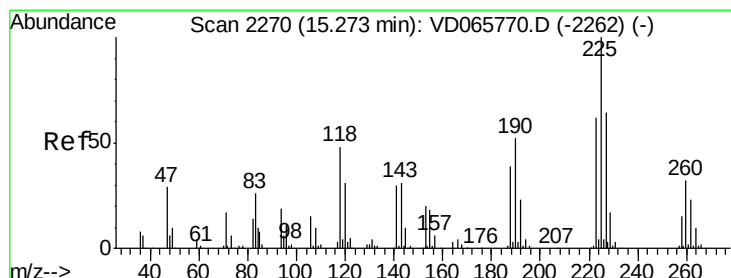
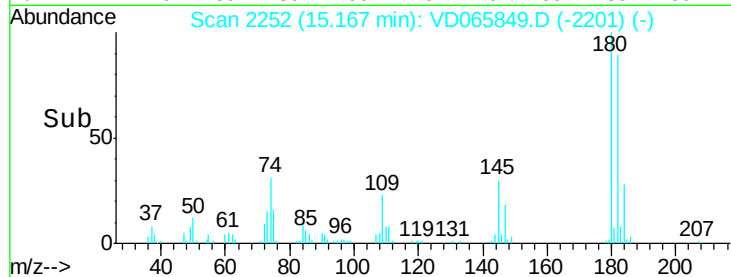
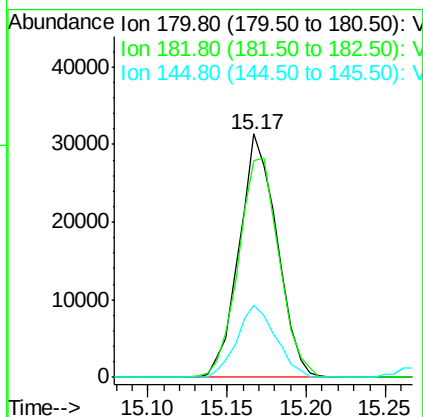
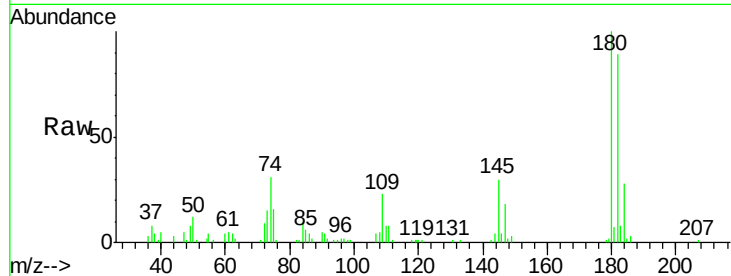
#93
 1,2,4-Trichlorobenzene
 Concen: 20.611 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD065849.D
 Acq: 22 Jun 2020 17:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	48.0	144.2
145	30.3	14.9	44.9

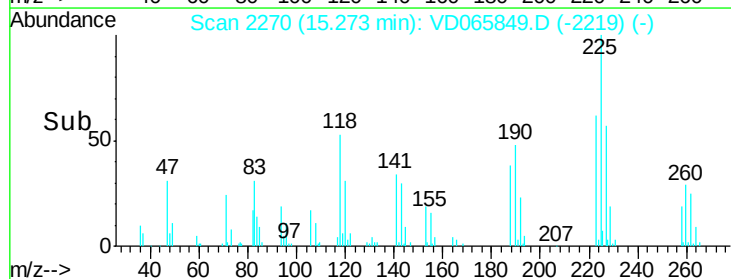
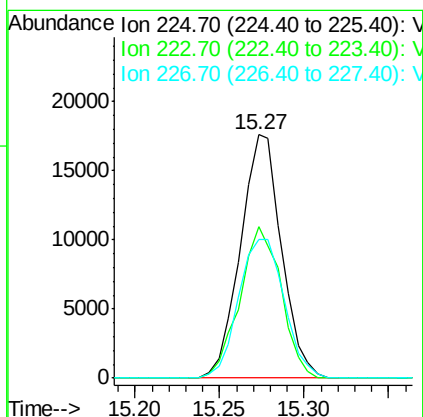
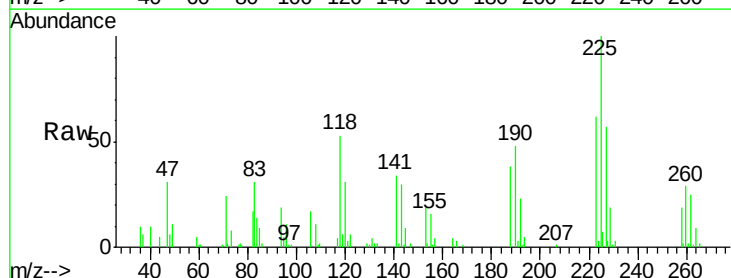
Manual Integrations
 APPROVED

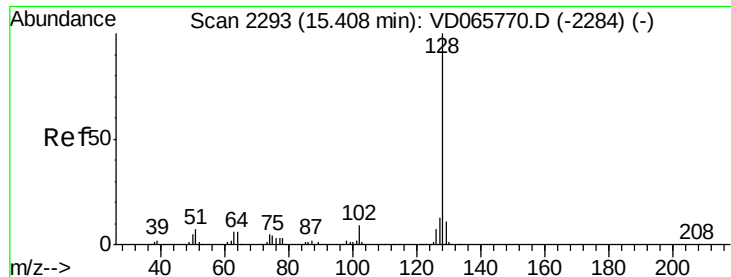
MMDadoda
 6/23/2020 11:02:18 AM



#94
 Hexachlorobutadiene
 Concen: 19.588 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD065849.D
 Acq: 22 Jun 2020 17:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	30.9	92.7
227	63.3	31.9	95.7





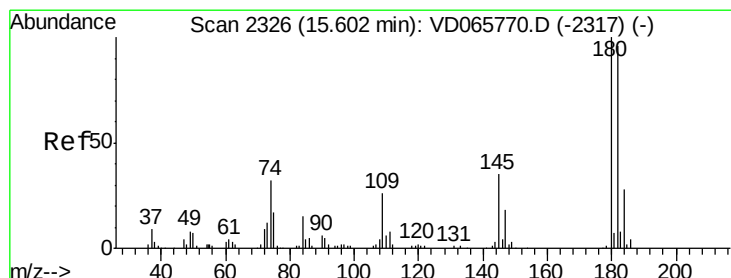
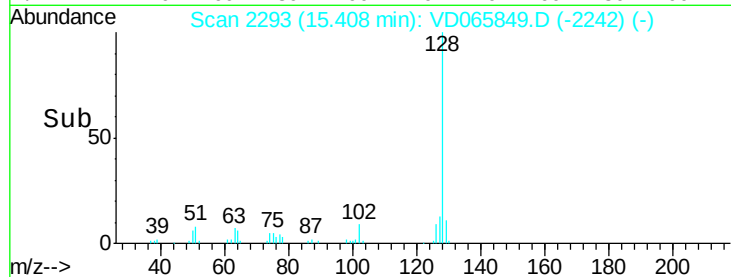
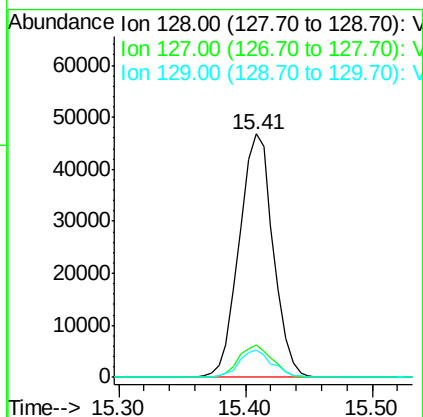
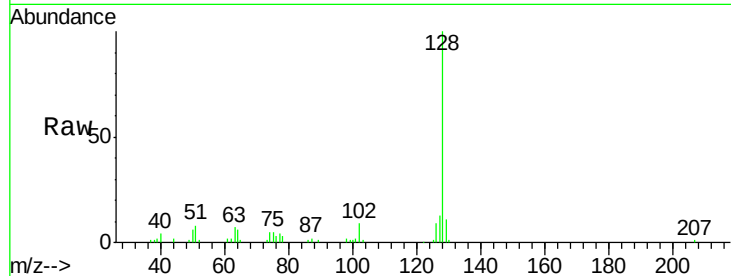
#95
Naphthalene
Concen: 20.358 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.7	16.1
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
6/23/2020 11:02:18 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.210 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.0	141.2
145	33.7	16.2	48.6

