

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
 Data File : VD070387.D
 Acq On : 20 Sep 2021 16:42
 Operator : VA/SY
 Sample : M3798-06
 Misc : 6.85G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SUB-SLAB-01-(15-17)

Quant Time: Sep 21 03:35:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

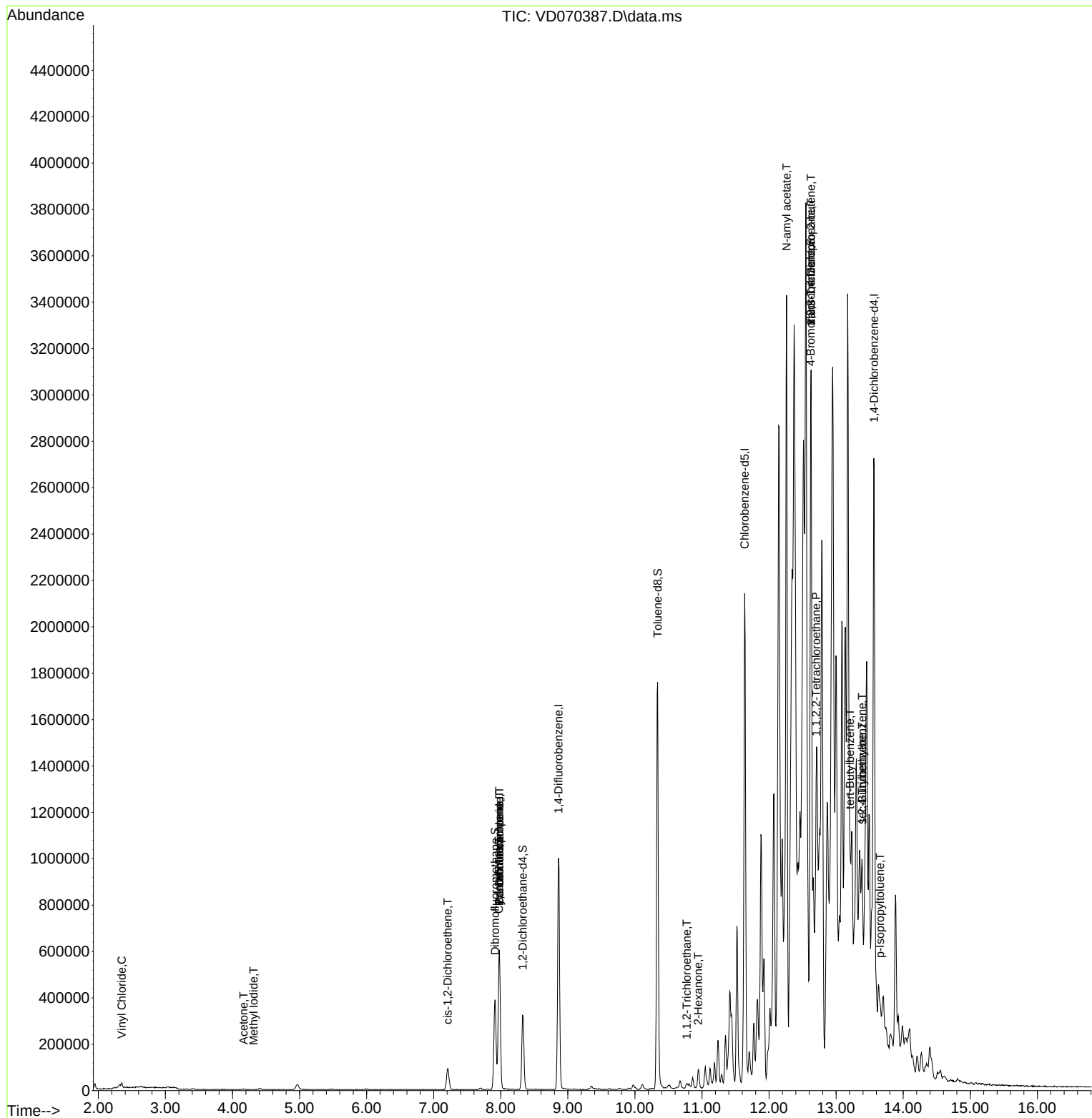
Internal Standards						
1) Pentafluorobenzene	7.979	168	416829	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	854641	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1236834	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	639628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	261045	48.774	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.540%
35) Dibromofluoromethane	7.914	113	284495	46.765	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.540%
50) Toluene-d8	10.338	98	1181651	53.499	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.000%
62) 4-Bromofluorobenzene	12.620	95	734931	95.207	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	190.420%#
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	184	Below Cal	#	43
3) Chloromethane	2.209	50	1152	Below Cal	#	42
4) Vinyl Chloride	2.350	62	11645	1.776	ug/l	99
5) Bromomethane	2.768	94	1785	Below Cal		96
6) Chloroethane	2.926	64	165	Below Cal	#	43
10) Methyl Iodide	4.314	142	362	1.098	ug/l #	56
16) Acetone	4.167	43	4307	4.507	ug/l	88
18) Methyl Acetate	4.726	43	71	Below Cal	#	48
20) Methylene Chloride	4.967	84	19155	Below Cal	#	92
27) cis-1,2-Dichloroethene	7.208	96	57498	9.266	ug/l	90
31) Cyclohexane	7.973	56	10066	1.092	ug/l #	8
36) 1,1-Dichloropropene	7.979	75	36322	3.976	ug/l #	49
38) Carbon Tetrachloride	7.979	117	45438	5.029	ug/l #	17
55) 1,1,2-Trichloroethane	10.773	97	7252	1.458	ug/l #	22
59) 2-Hexanone	10.944	43	28001	12.841	ug/l #	25
74) N-amyl acetate	12.261	43	620861	63.525	ug/l #	63
75) 1,1,2,2-Tetrachloroethane	12.702	83	45327	4.718	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	322496	49.845	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	322496	124.892	ug/l #	22
83) tert-Butylbenzene	13.208	119	43392	1.398	ug/l	86
84) 1,2,4-Trimethylbenzene	13.390	105	127062	3.333	ug/l #	32
85) sec-Butylbenzene	13.390	105	127062	2.575	ug/l #	57
86) p-Isopropyltoluene	13.655	119	41983	1.059	ug/l	85

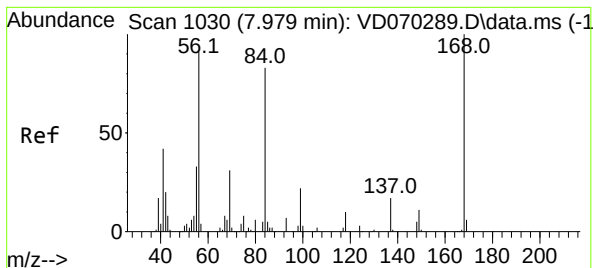
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 09 03:07:09 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.000 min

Lab File: VD070387.D

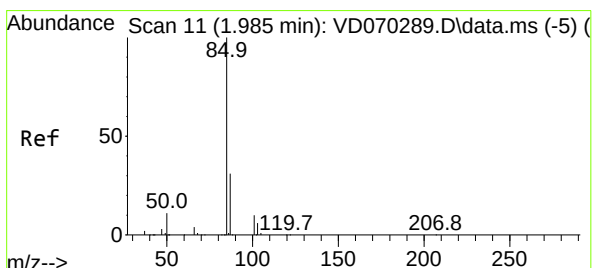
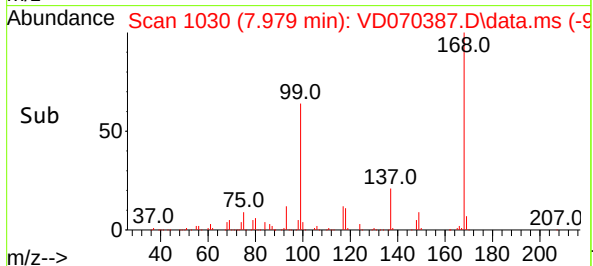
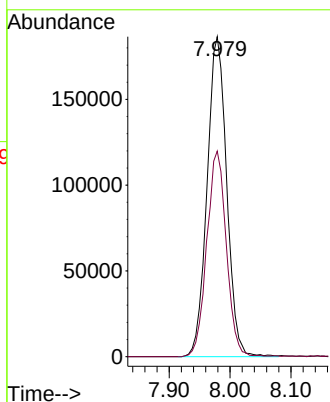
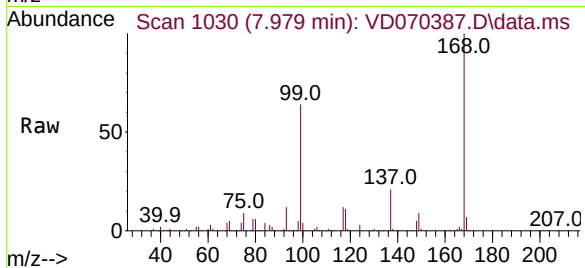
Acq: 20 Sep 2021 16:42

Tgt Ion:168 Resp: 416829

Ion Ratio Lower Upper

168 100

99 64.2 50.8 76.2



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.985 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD070387.D

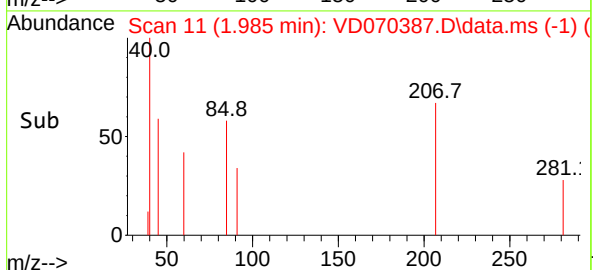
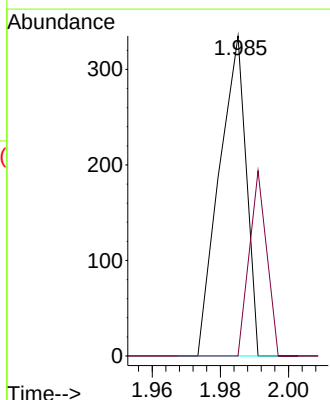
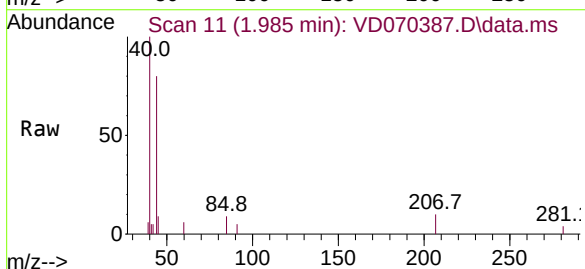
Acq: 20 Sep 2021 16:42

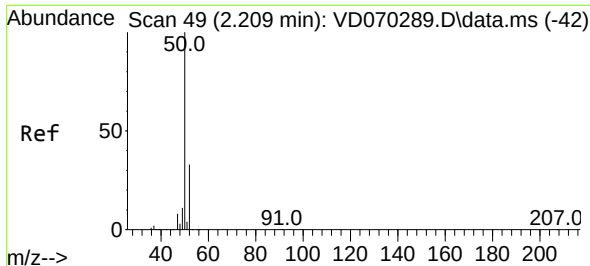
Tgt Ion: 85 Resp: 184

Ion Ratio Lower Upper

85 100

87 0.0 15.6 46.8#

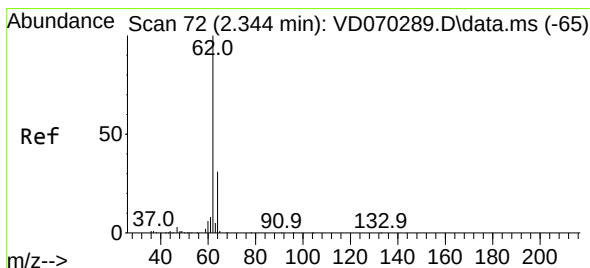
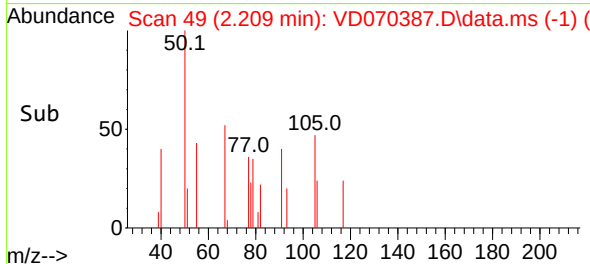
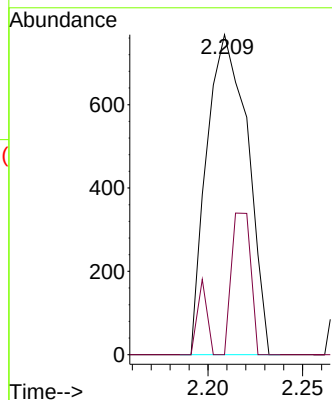
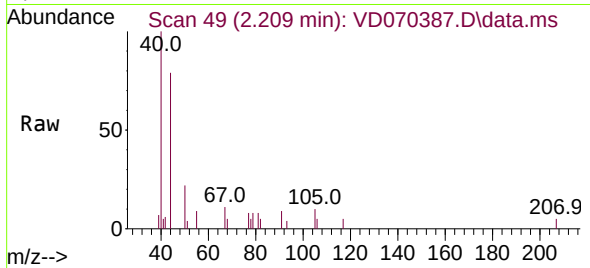




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070387.D
Acq: 20 Sep 2021 16:42

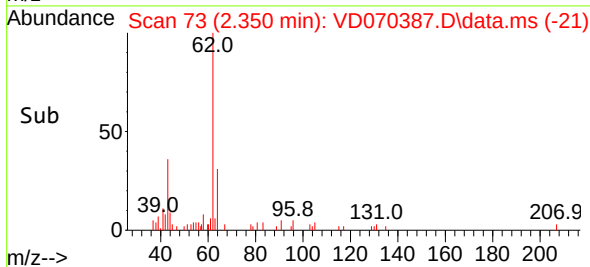
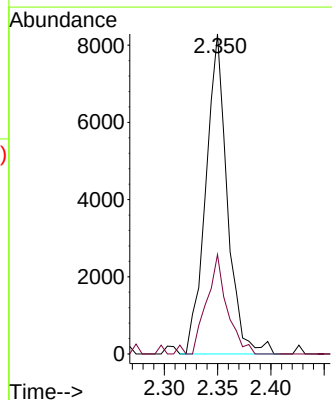
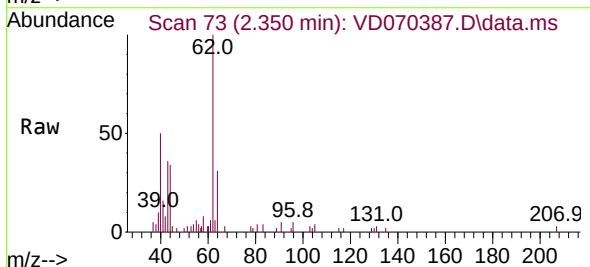
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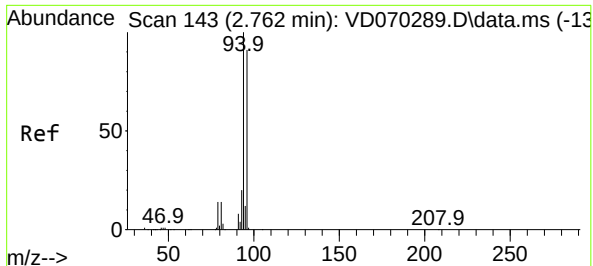
Tgt Ion: 50 Resp: 1152
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.2#



#4
Vinyl Chloride
Concen: 1.776 ug/l
RT: 2.350 min Scan# 73
Delta R.T. 0.006 min
Lab File: VD070387.D
Acq: 20 Sep 2021 16:42

Tgt Ion: 62 Resp: 11645
Ion Ratio Lower Upper
62 100
64 31.0 24.6 36.8

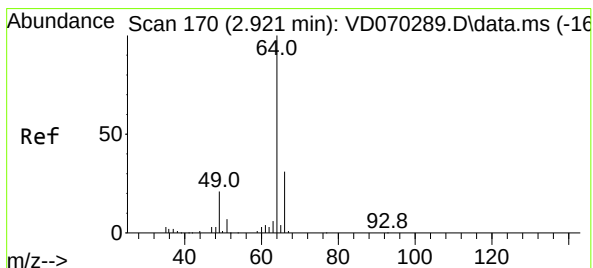
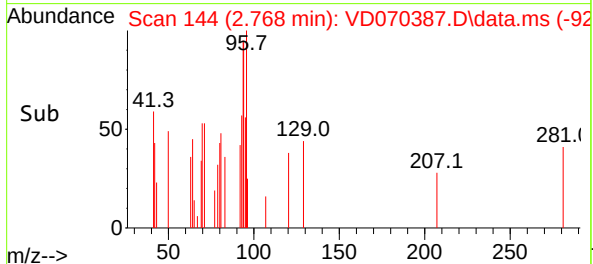
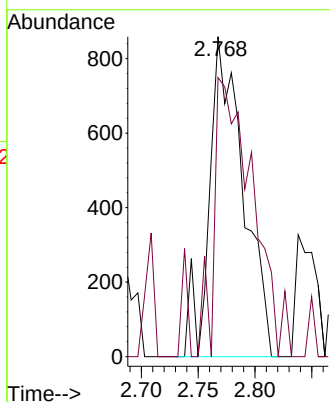
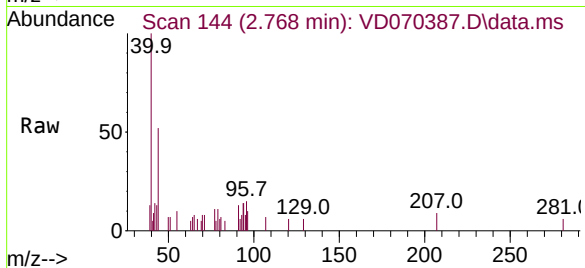




#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 144
Delta R.T. 0.006 min
Lab File: VD070387.D
Acq: 20 Sep 2021 16:42

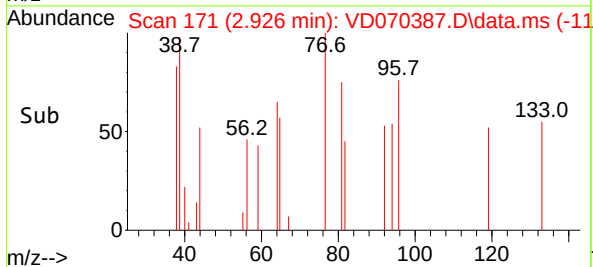
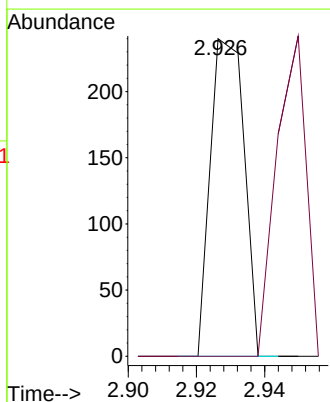
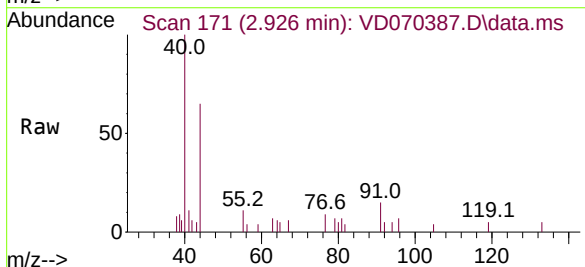
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-01-(15-17)

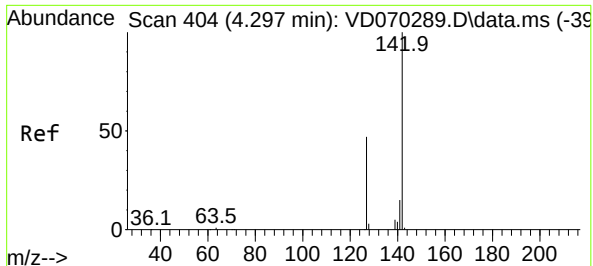
Tgt Ion: 94 Resp: 1785
Ion Ratio Lower Upper
94 100
96 87.2 73.0 109.6



#6
Chloroethane
Concen: Below Cal
RT: 2.926 min Scan# 171
Delta R.T. 0.005 min
Lab File: VD070387.D
Acq: 20 Sep 2021 16:42

Tgt Ion: 64 Resp: 165
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#

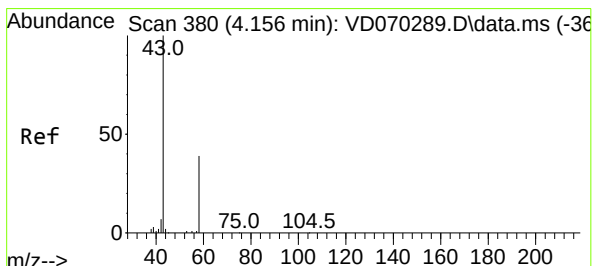
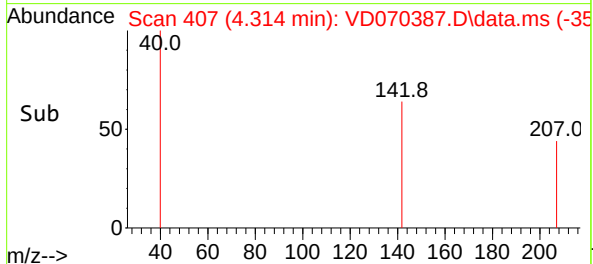
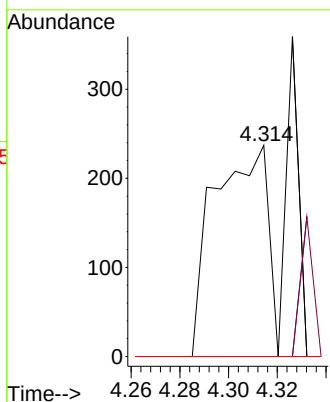
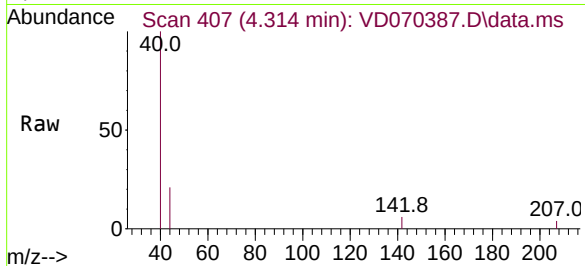




#10
Methyl Iodide
Concen: 1.098 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.017 min
Lab File: VD070387.D
Acq: 20 Sep 2021 16:42

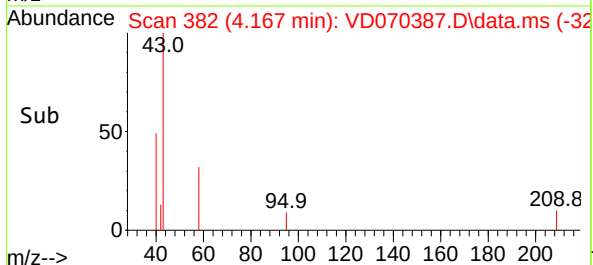
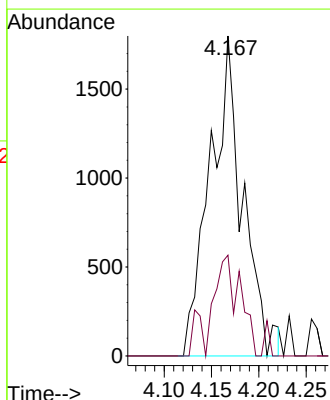
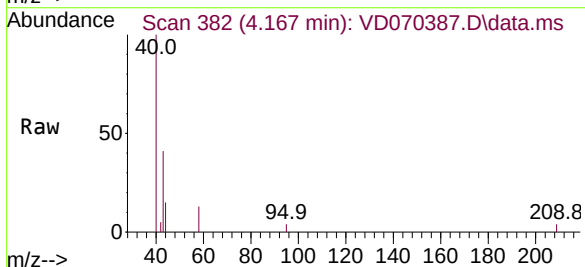
Instrument :
MSVOA_D
ClientSampleId :
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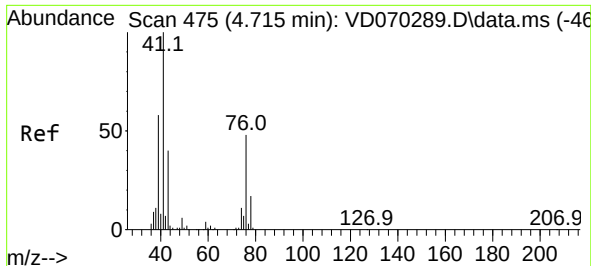
Tgt Ion:142 Resp: 362
Ion Ratio Lower Upper
142 100
127 15.2 36.9 55.3#
141 0.0 11.8 17.6#



#16
Acetone
Concen: 4.507 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070387.D
Acq: 20 Sep 2021 16:42

Tgt Ion: 43 Resp: 4307
Ion Ratio Lower Upper
43 100
58 31.5 30.9 46.3

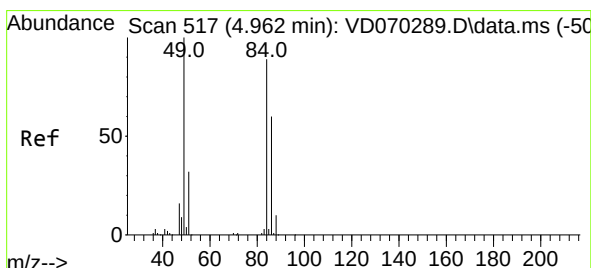
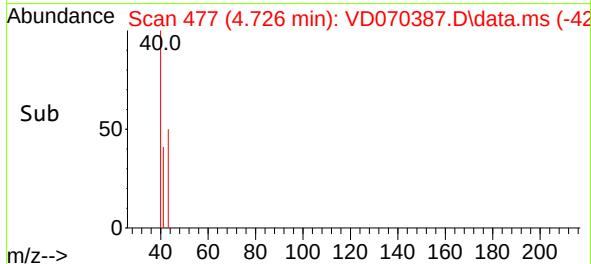
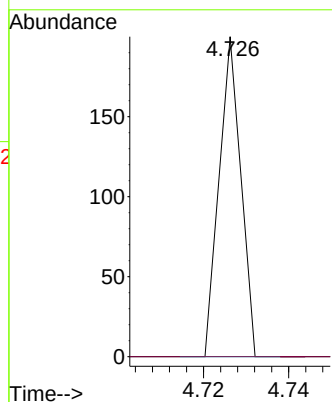
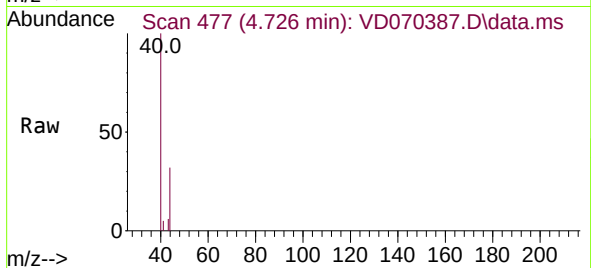




#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 477
Delta R.T. 0.011 min
Lab File: VD070387.D
Acq: 20 Sep 2021 16:42

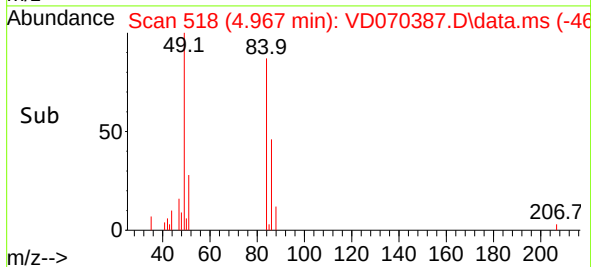
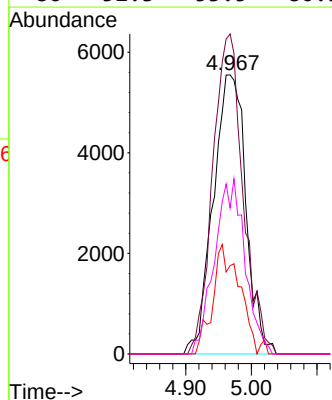
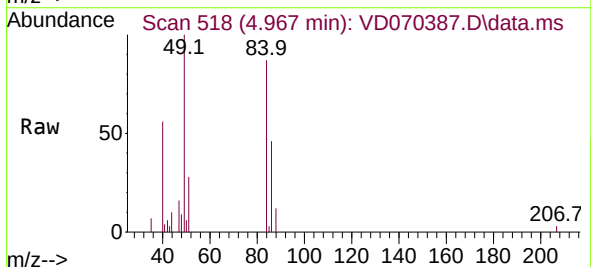
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-01-(15-17)

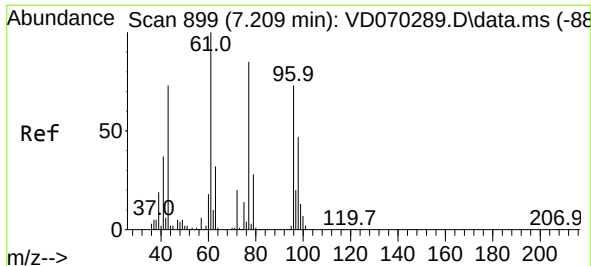
Tgt Ion: 43 Resp: 71
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD070387.D
Acq: 20 Sep 2021 16:42

Tgt Ion: 84 Resp: 19155
Ion Ratio Lower Upper
84 100
49 114.7 89.6 134.4
51 31.6 28.6 43.0
86 52.3 53.5 80.3#





#27

cis-1,2-Dichloroethene

Concen: 9.266 ug/l

RT: 7.208 min Scan# 899

Delta R.T. -0.000 min

Lab File: VD070387.D

Acq: 20 Sep 2021 16:42

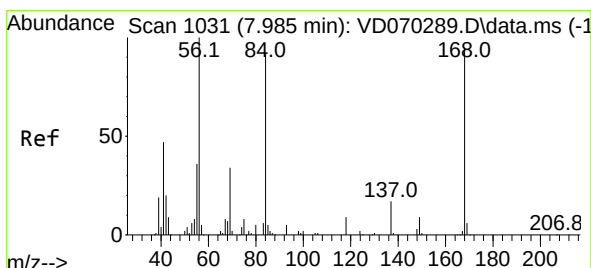
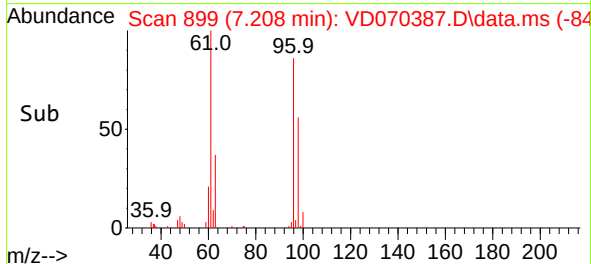
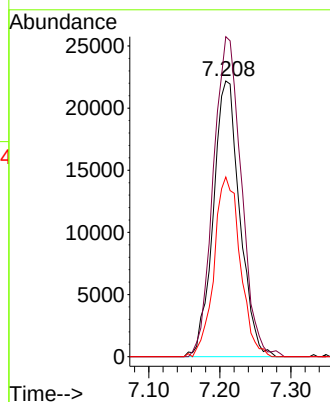
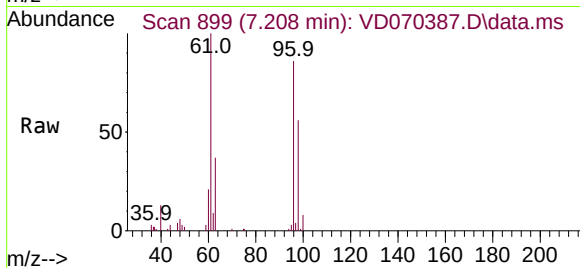
Instrument :

MSVOA_D

ClientSampleId :

SUB-SLAB-01-(15-17)

Tgt Ion:	96	Resp:	57498
Ion	Ratio	Lower	Upper
96	100		
61	122.1	0.0	277.4
98	64.0	0.0	130.0



#31

Cyclohexane

Concen: 1.092 ug/l

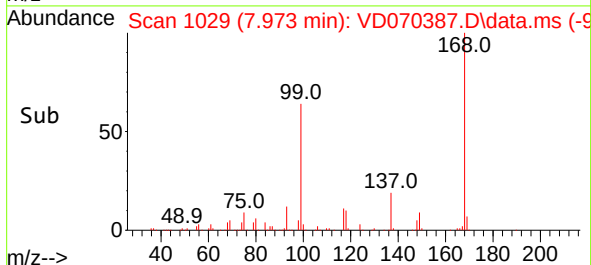
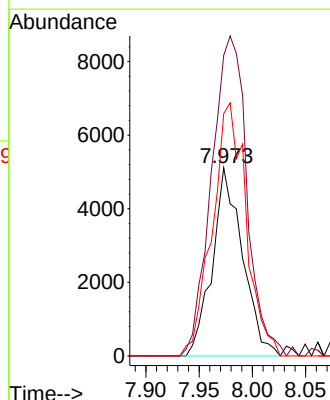
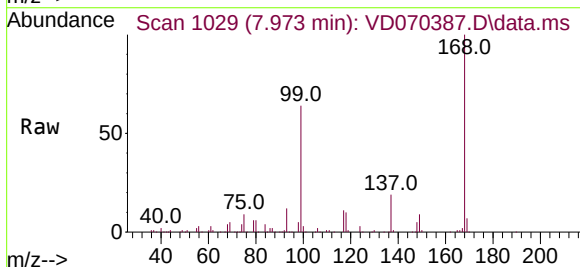
RT: 7.973 min Scan# 1029

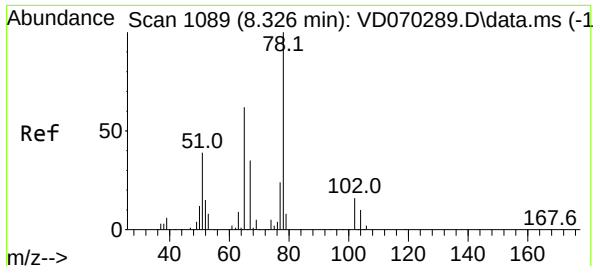
Delta R.T. -0.012 min

Lab File: VD070387.D

Acq: 20 Sep 2021 16:42

Tgt Ion:	56	Resp:	10066
Ion	Ratio	Lower	Upper
56	100		
69	159.8	26.9	40.3#
84	135.0	73.6	110.4#

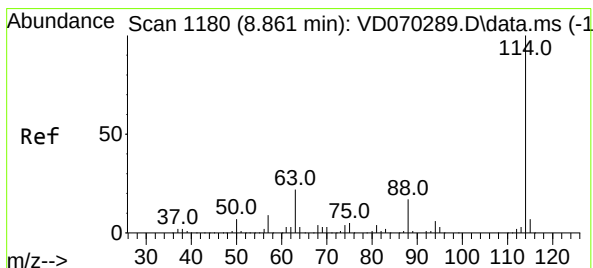
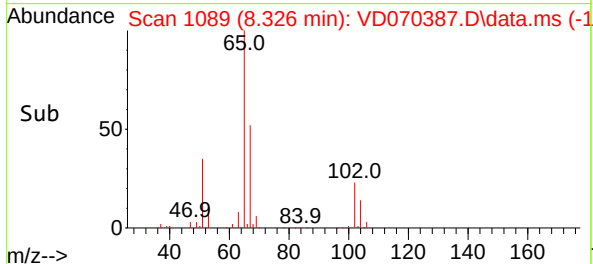
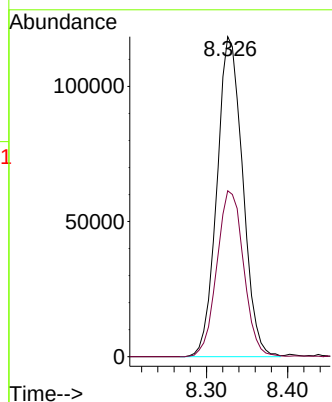
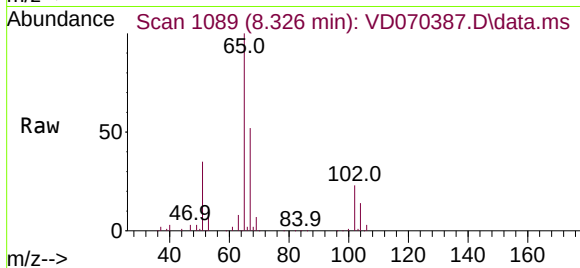




#33
 1,2-Dichloroethane-d4
 Concen: 48.774 ug/l
 RT: 8.326 min Scan# 1089
 Delta R.T. -0.000 min
 Lab File: VD070387.D
 Acq: 20 Sep 2021 16:42

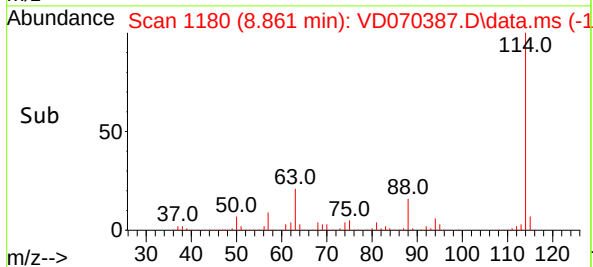
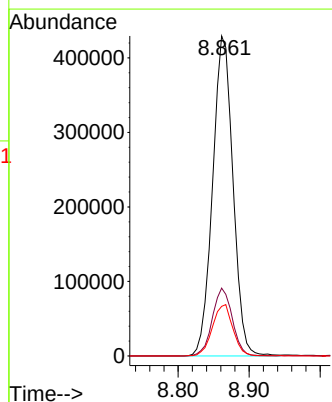
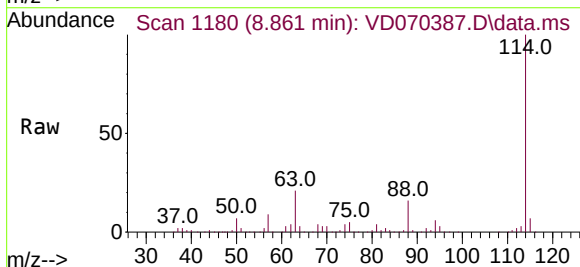
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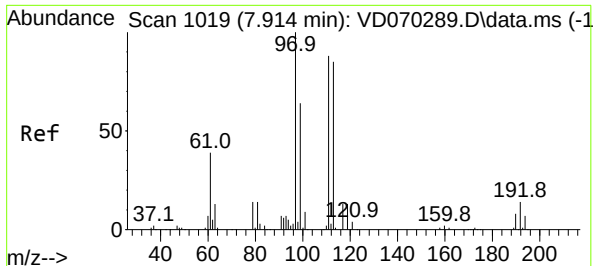
Tgt Ion: 65 Resp: 261045
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 111.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.861 min Scan# 1180
 Delta R.T. -0.000 min
 Lab File: VD070387.D
 Acq: 20 Sep 2021 16:42

Tgt Ion: 114 Resp: 854641
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.4
 88 15.5 0.0 33.4





#35

Dibromofluoromethane

Concen: 46.765 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070387.D

Acq: 20 Sep 2021 16:42

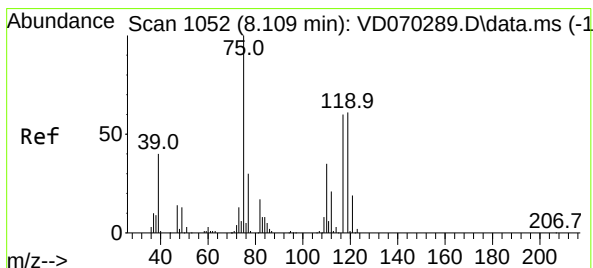
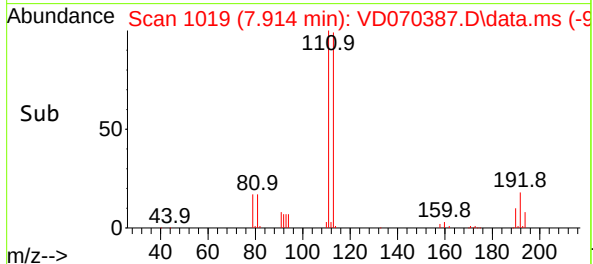
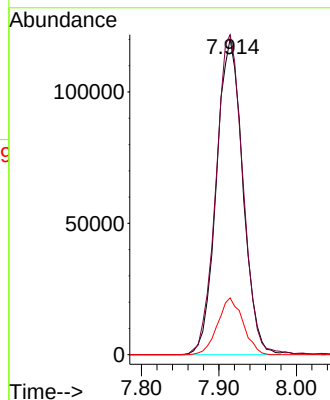
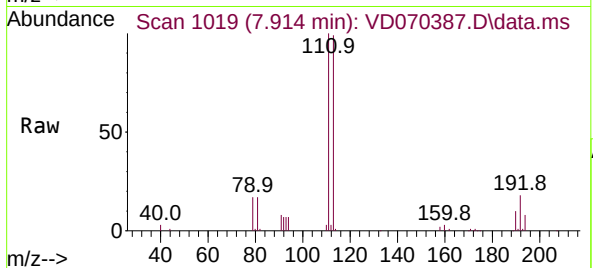
Tgt Ion:	113	Resp:	284495
Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.4	122.2
192	17.3	13.0	19.6

Instrument :

MSVOA_D

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#36

1,1-Dichloropropene

Concen: 3.976 ug/l

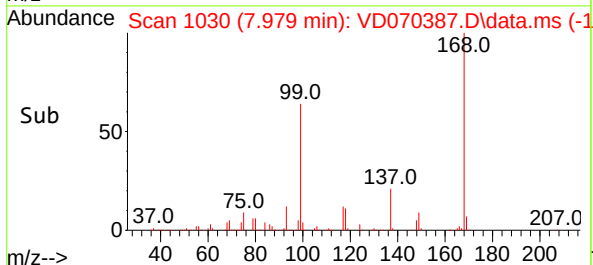
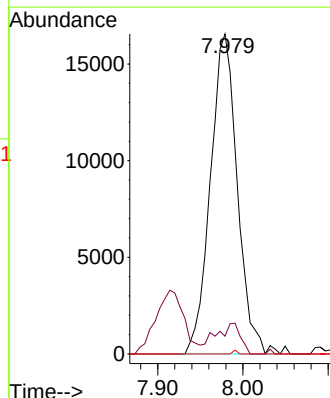
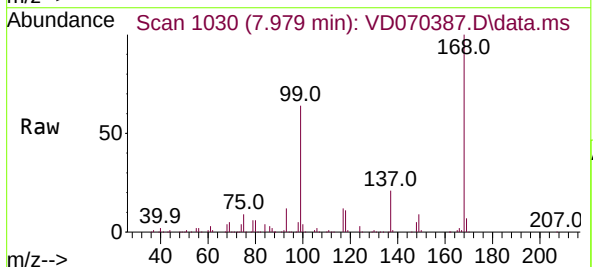
RT: 7.979 min Scan# 1030

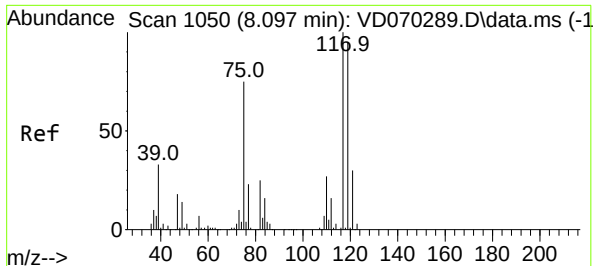
Delta R.T. -0.130 min

Lab File: VD070387.D

Acq: 20 Sep 2021 16:42

Tgt Ion:	75	Resp:	36322
Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.9	53.7#
77	0.2	25.3	37.9#

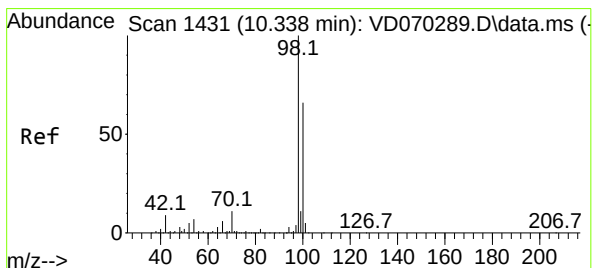
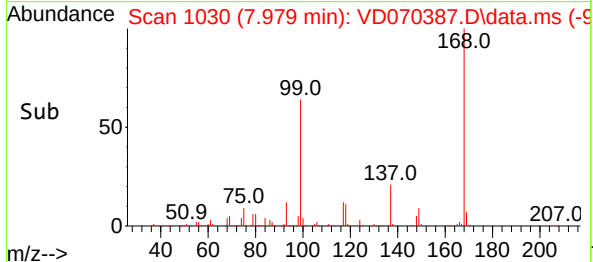
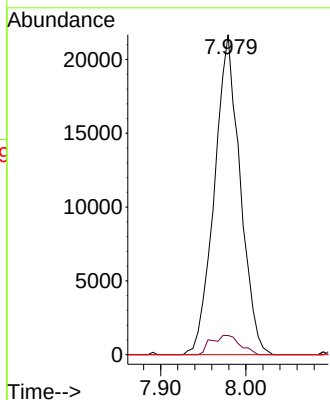
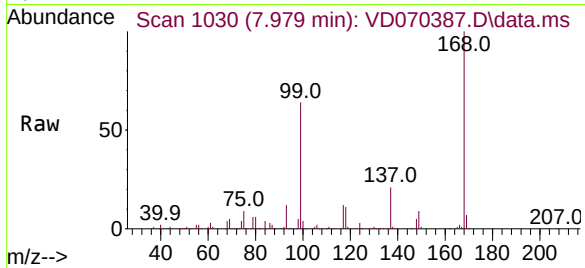




#38
Carbon Tetrachloride
Concen: 5.029 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070387.D
Acq: 20 Sep 2021 16:42

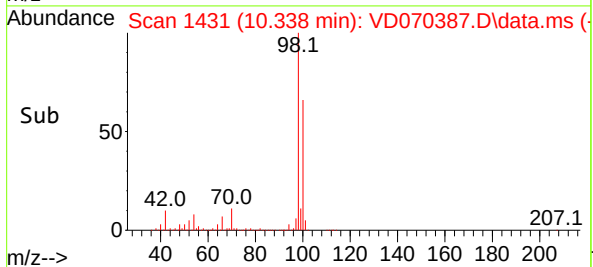
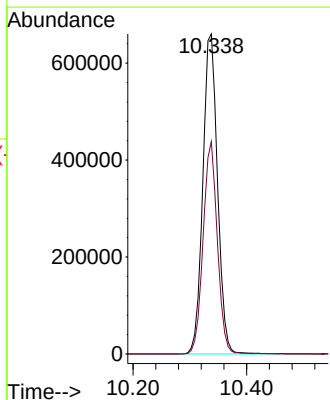
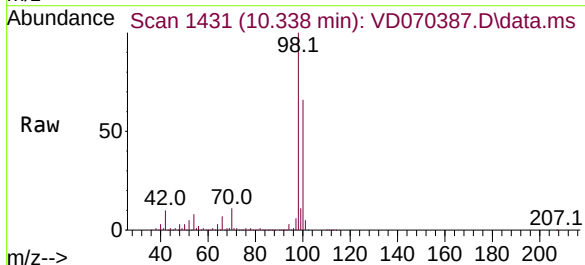
Instrument :
MSVOA_D
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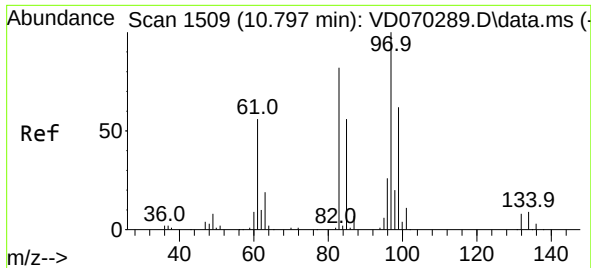
Tgt Ion:117 Resp: 45438
Ion Ratio Lower Upper
117 100
119 6.0 76.1 114.1#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 53.499 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070387.D
Acq: 20 Sep 2021 16:42

Tgt Ion: 98 Resp: 1181651
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0

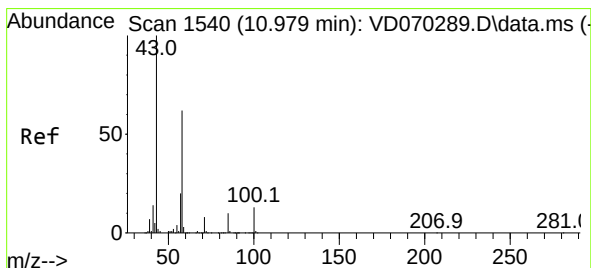
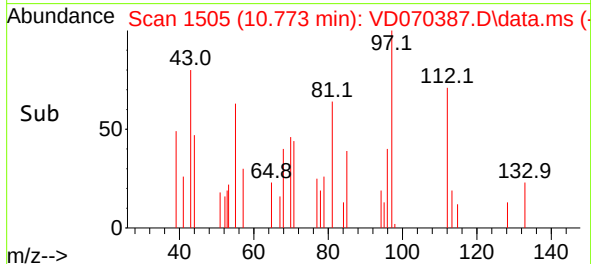
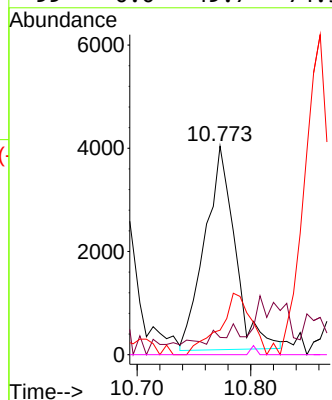
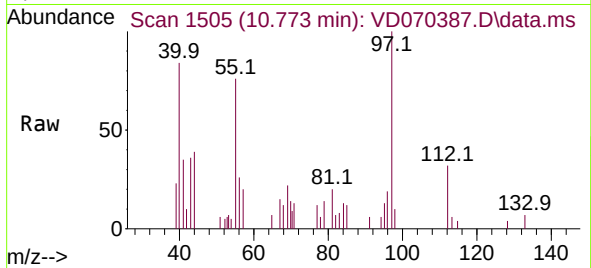




#55
1,1,2-Trichloroethane
Concen: 1.458 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.024 min
Lab File: VD070387.D
Acq: 20 Sep 2021 16:42

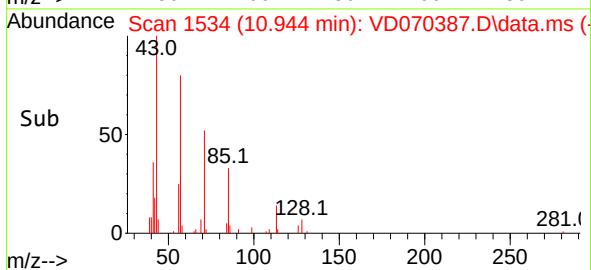
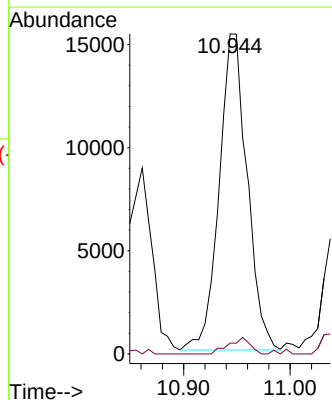
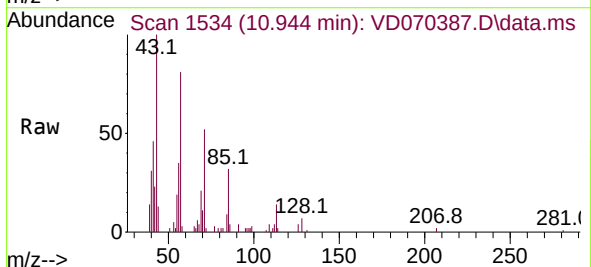
Instrument :
MSVOA_D
ClientSampleId :
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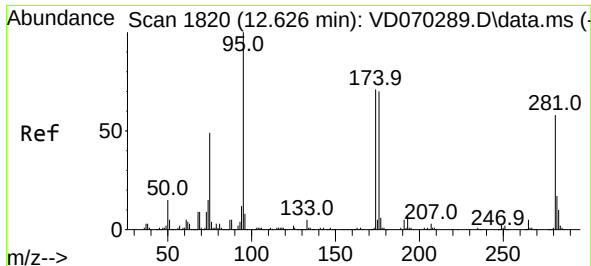
Tgt Ion:	97	Resp:	7252
Ion	Ratio	Lower	Upper
97	100		
83	3.7	65.3	97.9#
85	12.3	44.8	67.2#
99	0.0	49.7	74.5#



#59
2-Hexanone
Concen: 12.841 ug/l
RT: 10.944 min Scan# 1534
Delta R.T. -0.035 min
Lab File: VD070387.D
Acq: 20 Sep 2021 16:42

Tgt Ion:	43	Resp:	28001
Ion	Ratio	Lower	Upper
43	100		
58	4.0	30.6	91.6#

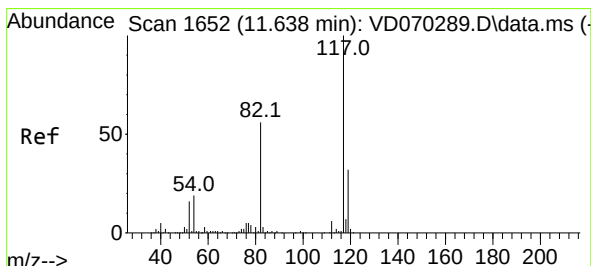
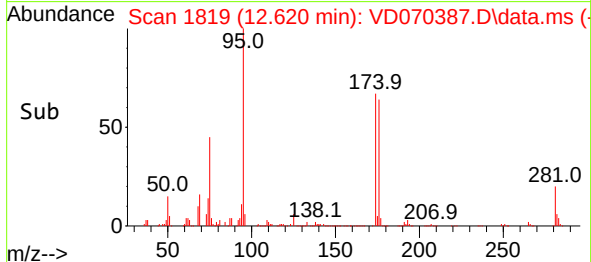
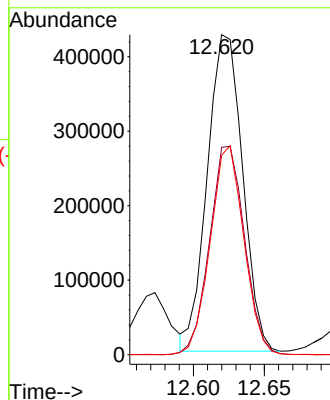
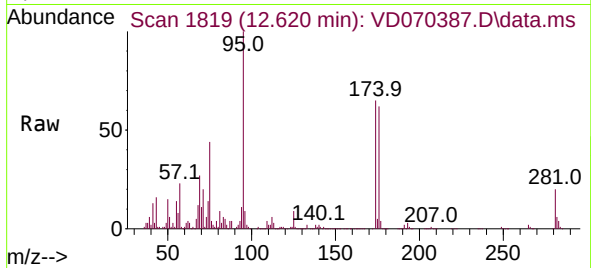




#62
4-Bromofluorobenzene
Concen: 95.207 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070387.D
Acq: 20 Sep 2021 16:42

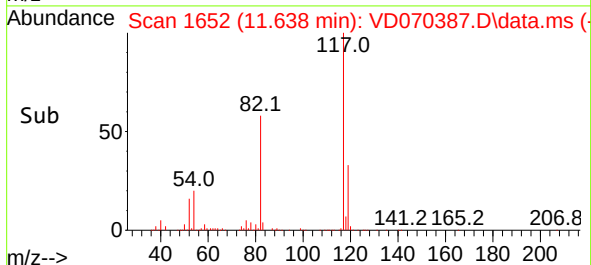
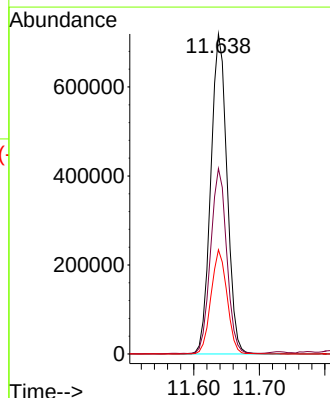
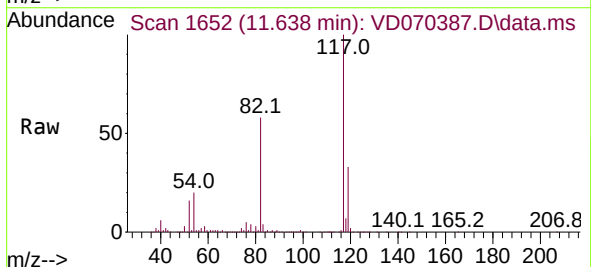
Instrument :
MSVOA_D
ClientSampleId :
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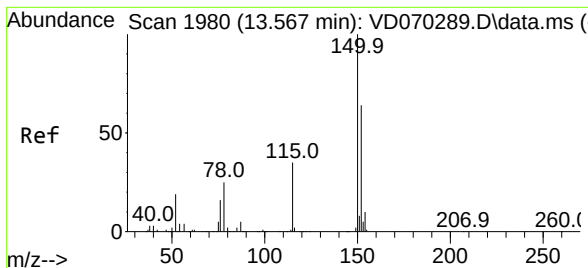
Tgt Ion: 95 Resp: 734931
Ion Ratio Lower Upper
95 100
174 65.4 0.0 140.6
176 62.8 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070387.D
Acq: 20 Sep 2021 16:42

Tgt Ion:117 Resp: 1236834
Ion Ratio Lower Upper
117 100
82 57.8 45.0 67.4
119 32.6 25.2 37.8

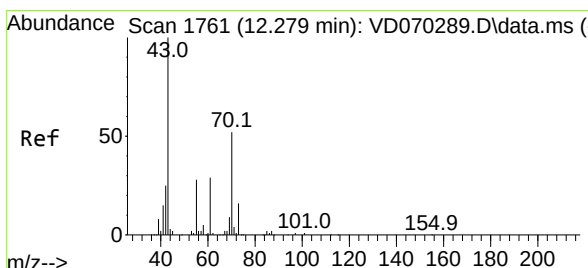
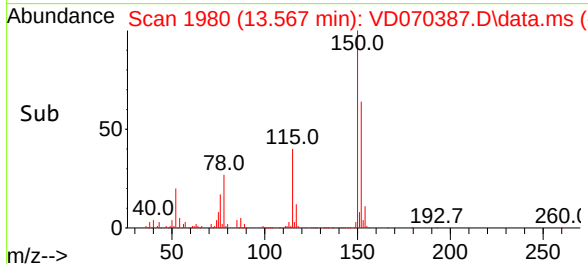
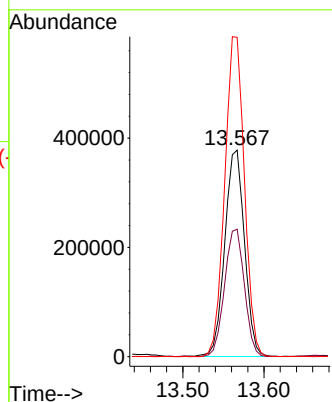
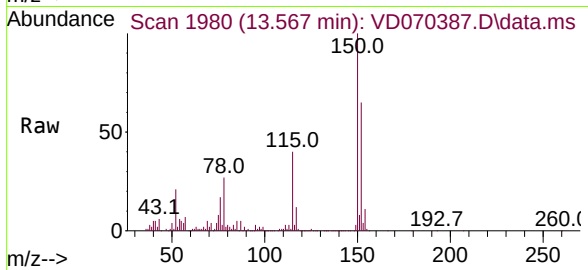




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070387.D
Acq: 20 Sep 2021 16:42

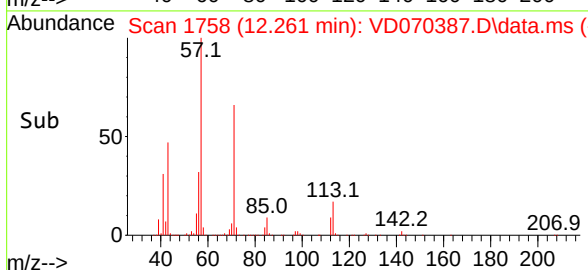
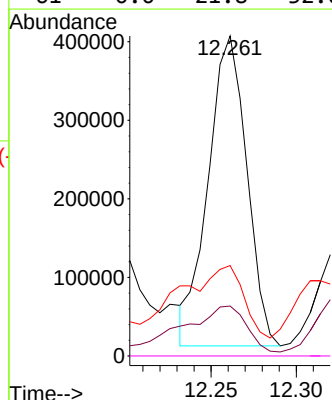
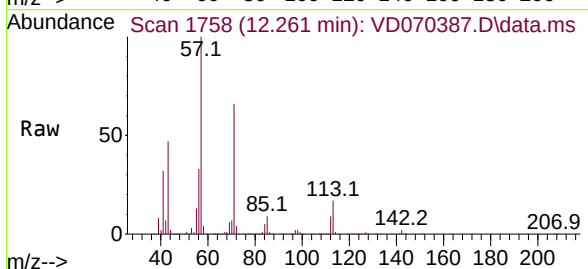
Instrument :
MSVOA_D
ClientSampleId :
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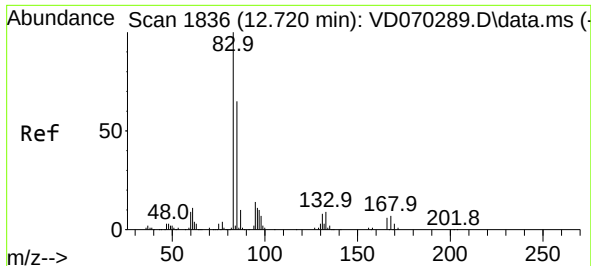
Tgt Ion:152 Resp: 639628
Ion Ratio Lower Upper
152 100
115 61.9 32.1 96.3
150 154.4 0.0 350.6



#74
N-ethyl acetate
Concen: 63.525 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD070387.D
Acq: 20 Sep 2021 16:42

Tgt Ion: 43 Resp: 620861
Ion Ratio Lower Upper
43 100
70 23.9 41.4 62.0#
55 38.2 22.8 34.2#
61 0.0 21.8 32.6#

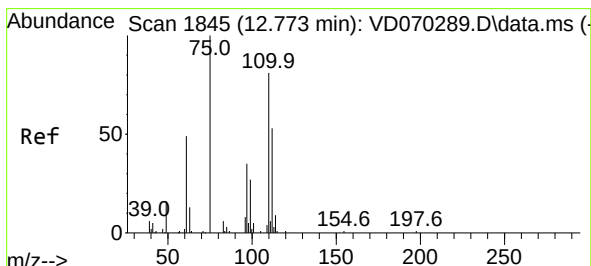
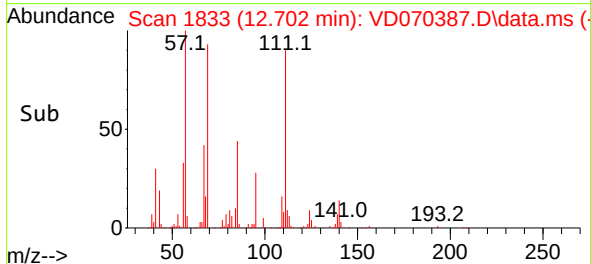
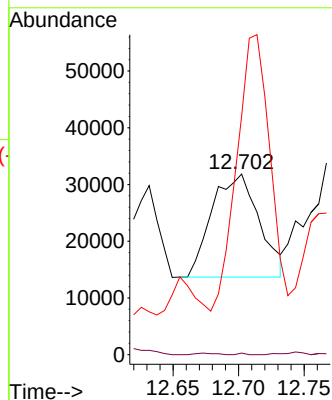
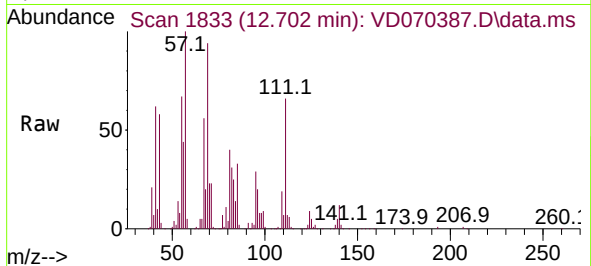




#75
1,1,2,2-Tetrachloroethane
Concen: 4.718 ug/l
RT: 12.702 min Scan# 1833
Delta R.T. -0.018 min
Lab File: VD070387.D
Acq: 20 Sep 2021 16:42

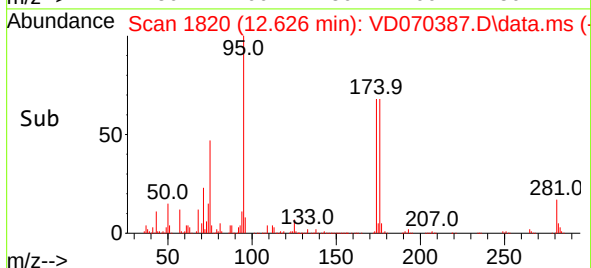
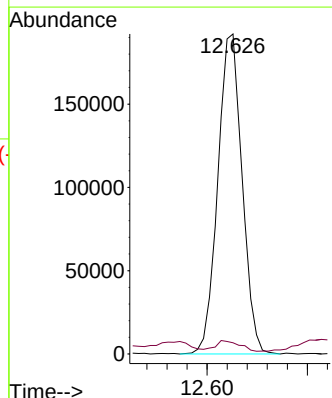
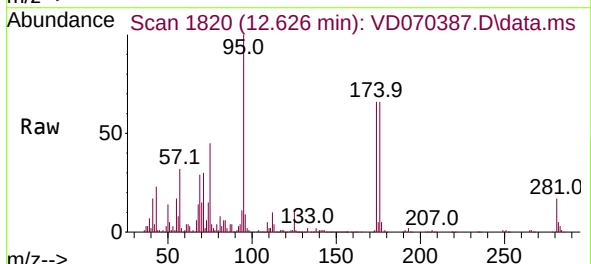
Instrument :
MSVOA_D
ClientSampleId :
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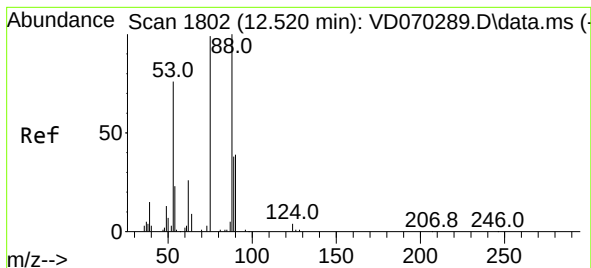
Tgt Ion: 83 Resp: 45327
Ion Ratio Lower Upper
83 100
131 0.2 4.8 14.4#
85 227.4 32.1 96.3#



#76
1,2,3-Trichloropropane
Concen: 49.845 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070387.D
Acq: 20 Sep 2021 16:42

Tgt Ion: 75 Resp: 322496
Ion Ratio Lower Upper
75 100
77 3.1 174.9 524.7#

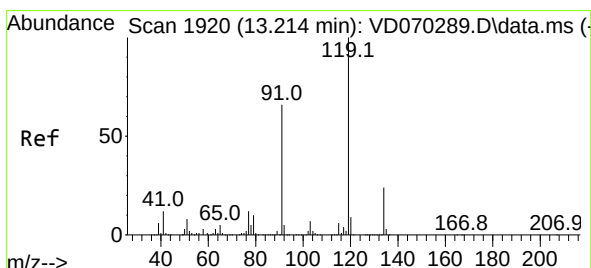
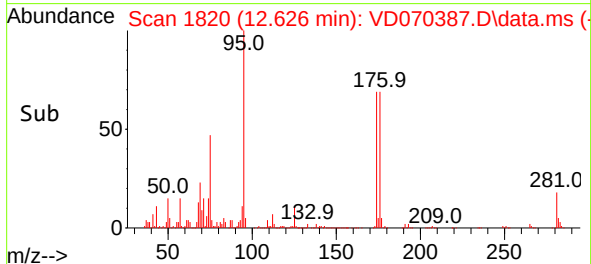
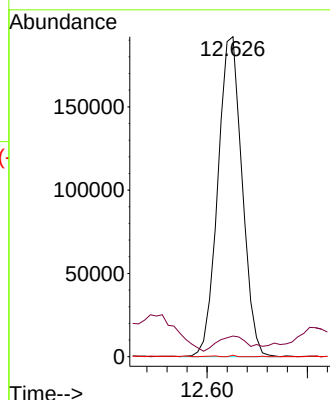
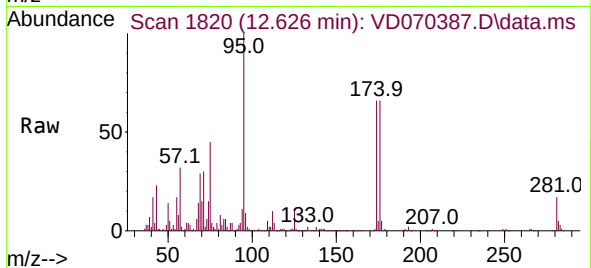




#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.892 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070387.D
 Acq: 20 Sep 2021 16:42

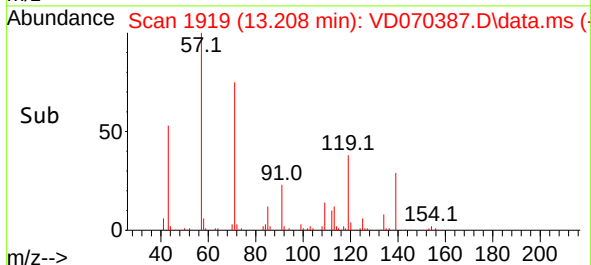
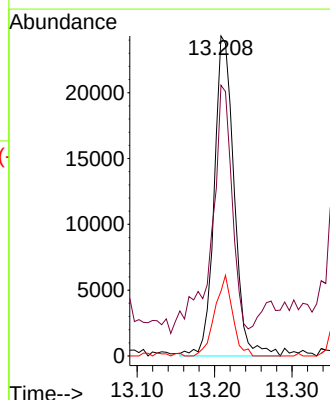
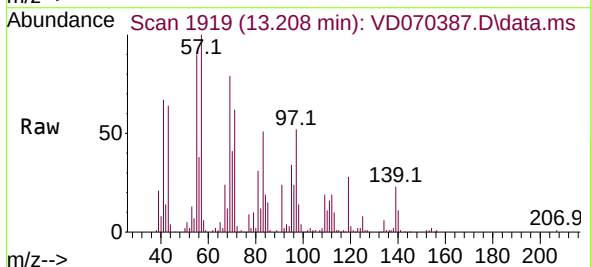
Instrument :
 MSVOA_D
 ClientSampleId :
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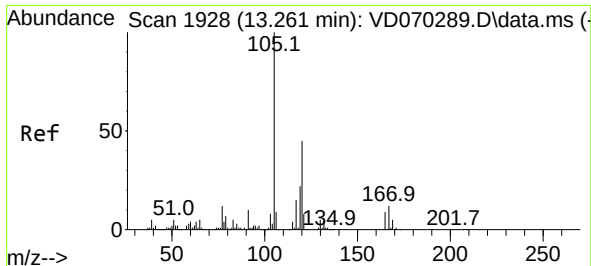
Tgt Ion: 75 Resp: 322496
 Ion Ratio Lower Upper
 75 100
 53 6.0 64.2 96.2#
 89 0.1 35.6 53.4#



#83
 tert-Butylbenzene
 Concen: 1.398 ug/l
 RT: 13.208 min Scan# 1919
 Delta R.T. -0.006 min
 Lab File: VD070387.D
 Acq: 20 Sep 2021 16:42

Tgt Ion: 119 Resp: 43392
 Ion Ratio Lower Upper
 119 100
 91 80.5 33.7 101.0
 134 22.5 13.2 39.5

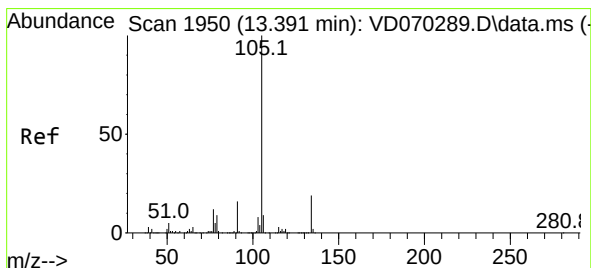
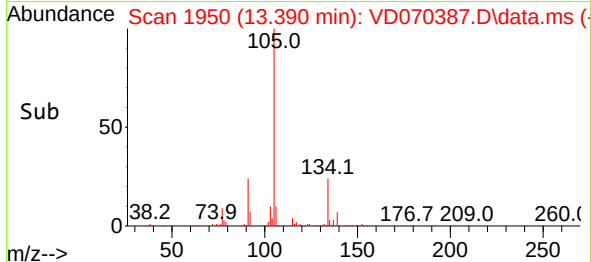
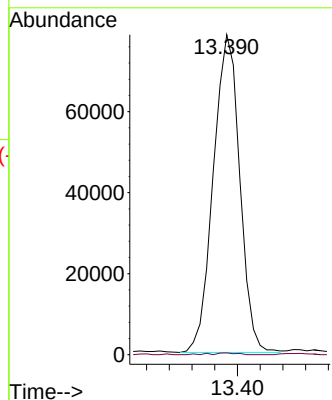
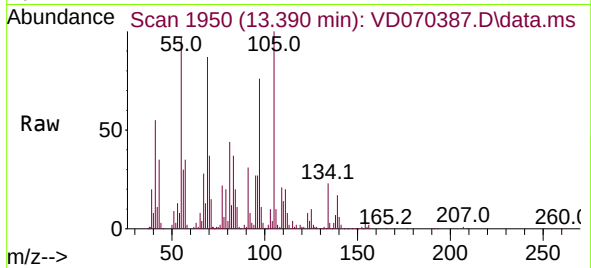




#84
1,2,4-Trimethylbenzene
Concen: 3.333 ug/l
RT: 13.390 min Scan# 1950
Delta R.T. 0.129 min
Lab File: VD070387.D
Acq: 20 Sep 2021 16:42

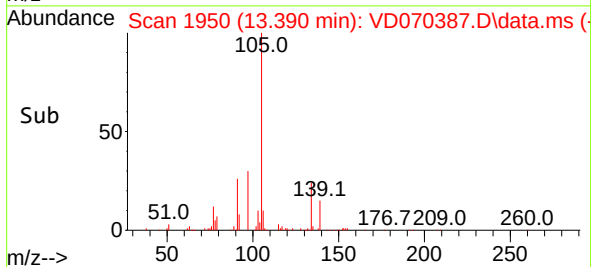
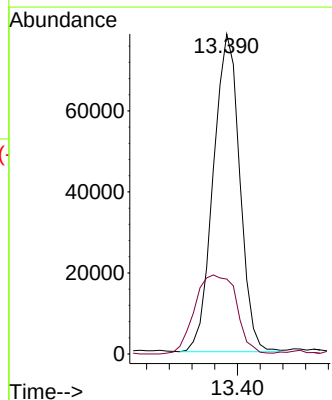
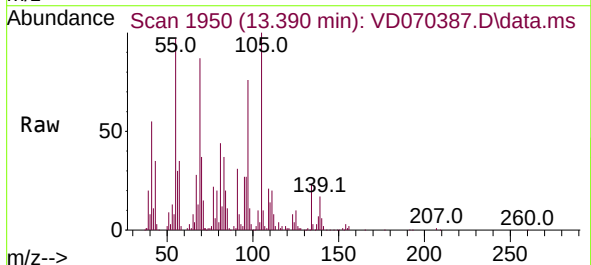
Instrument :
MSVOA_D
ClientSampleId :
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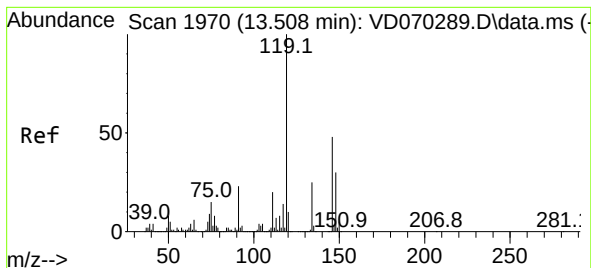
Tgt Ion:105 Resp: 127062
Ion Ratio Lower Upper
105 100
120 0.5 22.3 66.8#



#85
sec-Butylbenzene
Concen: 2.575 ug/l
RT: 13.390 min Scan# 1950
Delta R.T. -0.000 min
Lab File: VD070387.D
Acq: 20 Sep 2021 16:42

Tgt Ion:105 Resp: 127062
Ion Ratio Lower Upper
105 100
134 39.2 9.8 29.3#





#86
 p-Isopropyltoluene
 Concen: 1.059 ug/l
 RT: 13.655 min Scan# 1995
 Delta R.T. 0.147 min
 Lab File: VD070387.D
 Acq: 20 Sep 2021 16:42

Instrument :
 MSVOA_D
 ClientSampleId :
 SUB-SLAB-01-(15-17)

Tgt Ion:119 Resp: 41983

Ion	Ratio	Lower	Upper
119	100		
134	29.3	12.7	38.0
91	34.7	11.8	35.3

