

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060721\
 Data File : VD069363.D
 Acq On : 07 Jun 2021 12:54
 Operator : VA/SY
 Sample : M2598-07RE
 Misc : 4.44G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 13RE

Quant Time: Jun 08 04:50:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 02 02:17:36 2021
 Response via : Initial Calibration

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

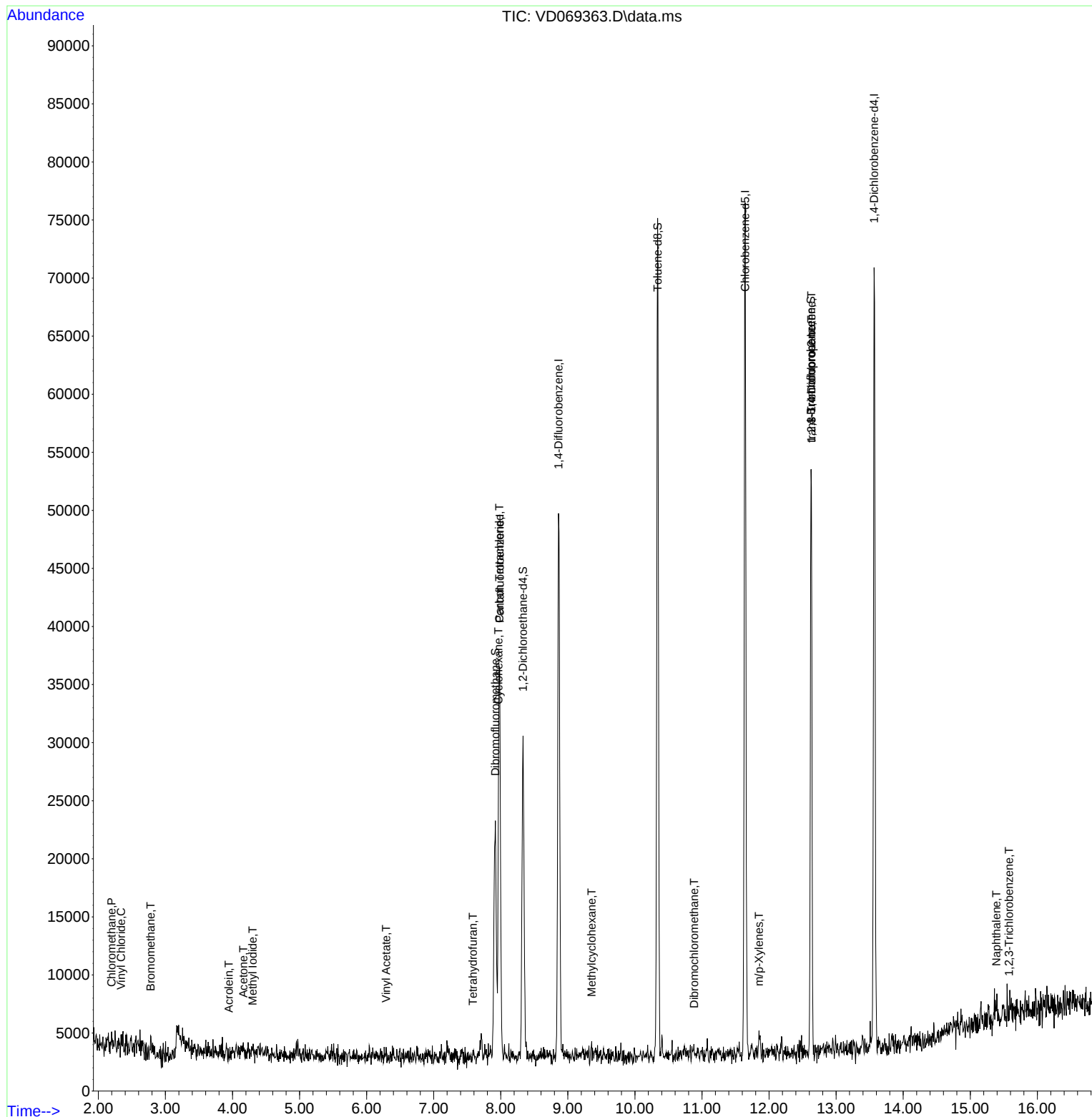
Internal Standards						
1) Pentafluorobenzene	7.985	168	26249	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	42305	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	44758	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	19414	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	21057	83.605	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 167.200%#			
35) Dibromofluoromethane	7.920	113	15222	57.298	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.600%			
50) Toluene-d8	10.338	98	50273	52.039	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.080%			
62) 4-Bromofluorobenzene	12.626	95	15959	50.415	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.840%			
Target Compounds						Qvalue
3) Chloromethane	2.197	50	638	3.059	ug/l #	41
4) Vinyl Chloride	2.338	62	287	1.351	ug/l #	42
5) Bromomethane	2.779	94	588	3.793	ug/l	88
10) Methyl Iodide	4.303	142	463	3.990	ug/l #	39
13) Acrolein	3.944	56	57	20.302	ug/l #	16
16) Acetone	4.162	43	861	19.589	ug/l #	40
20) Methylene Chloride	4.979	84	624	Below Cal	#	48
23) Vinyl Acetate	6.291	43	58	11.754	ug/l #	67
29) Tetrahydrofuran	7.585	42	80	2.407	ug/l #	27
31) Cyclohexane	7.967	56	996	2.489	ug/l #	36
38) Carbon Tetrachloride	7.979	117	2718	6.122	ug/l #	11
39) Methylcyclohexane	9.355	83	587	1.395	ug/l #	67
60) Dibromochloromethane	10.885	129	351	1.236	ug/l #	10
68) m/p-Xylenes	11.849	106	738	1.199	ug/l #	65
76) 1,2,3-Trichloropropane	12.632	75	8345	49.474	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.632	75	8345	109.634	ug/l #	18
95) Naphthalene	15.390	128	1392	5.264	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.579	180	303	1.028	ug/l	97

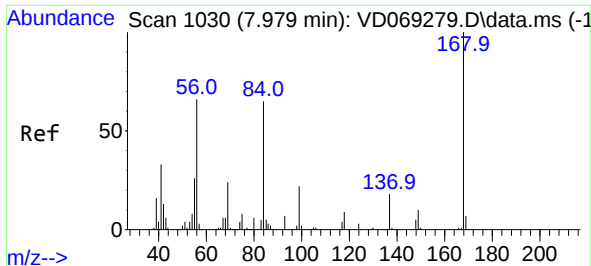
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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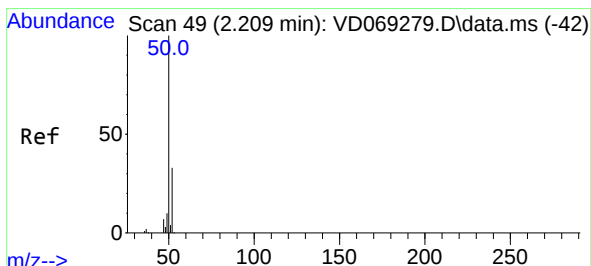
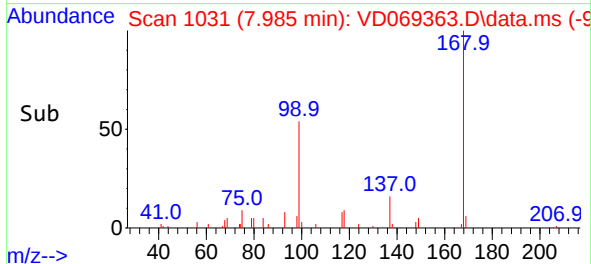
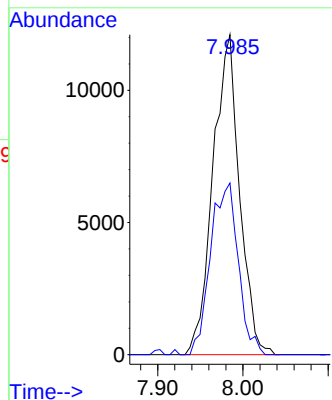
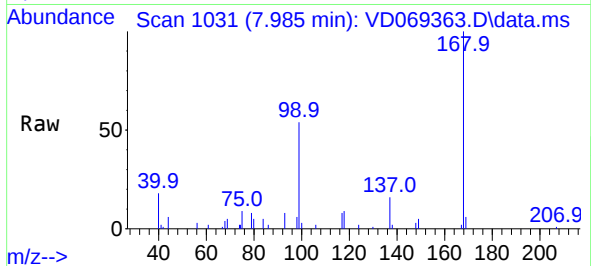




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD069363.D
Acq: 07 Jun 2021 12:54

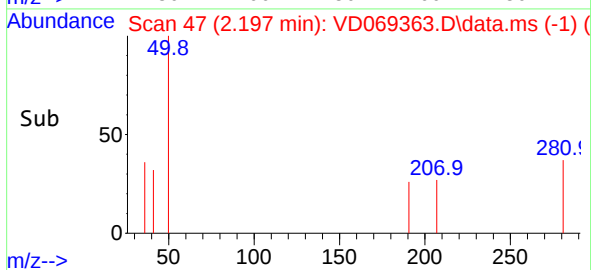
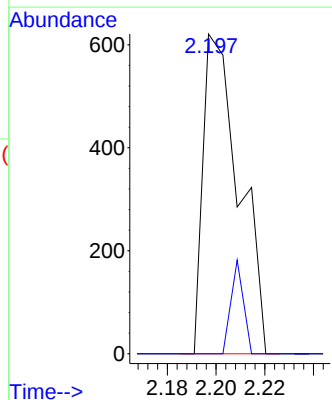
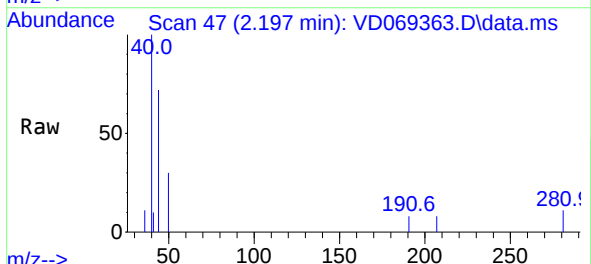
Instrument :
MSVOA_D
ClientSampled :
13RE

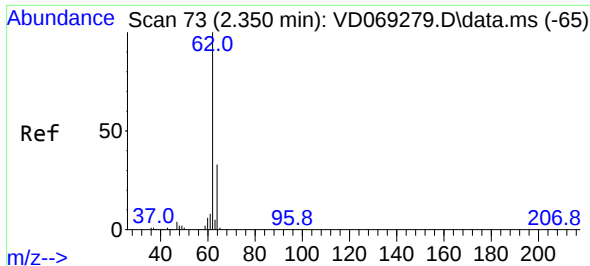
Tgt Ion:168 Resp: 26249
Ion Ratio Lower Upper
168 100
99 53.6 46.2 69.2



#3
Chloromethane
Concen: 3.059 ug/l
RT: 2.197 min Scan# 47
Delta R.T. -0.012 min
Lab File: VD069363.D
Acq: 07 Jun 2021 12:54

Tgt Ion: 50 Resp: 638
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#

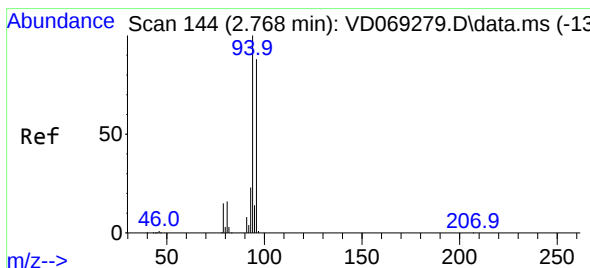
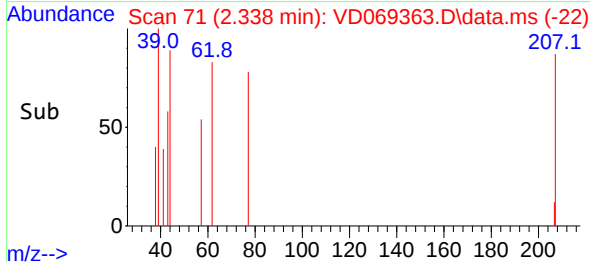
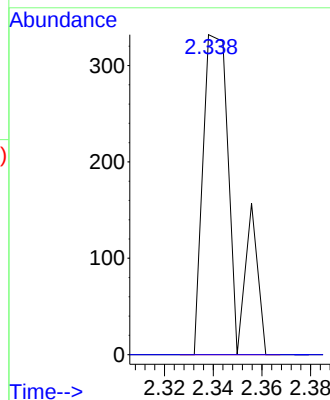
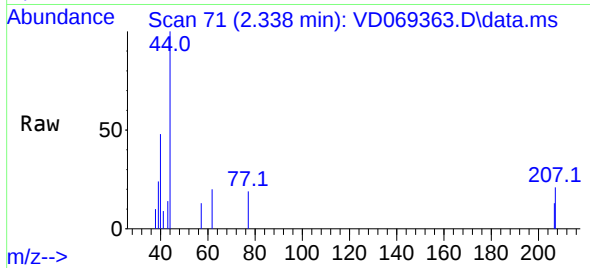




#4
 Vinyl Chloride
 Concen: 1.351 ug/l
 RT: 2.338 min Scan# 71
 Delta R.T. -0.012 min
 Lab File: VD069363.D
 Acq: 07 Jun 2021 12:54

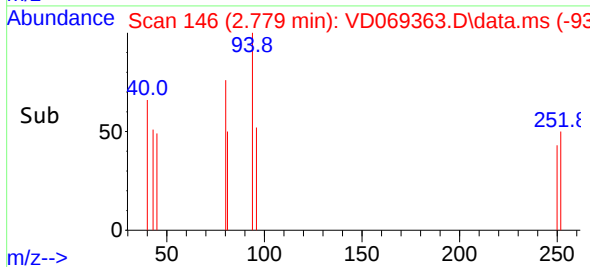
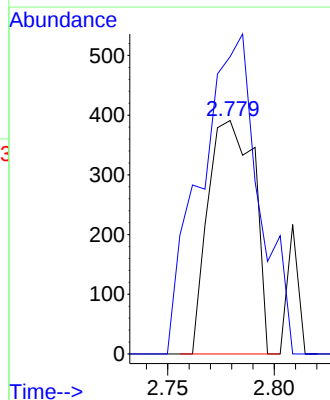
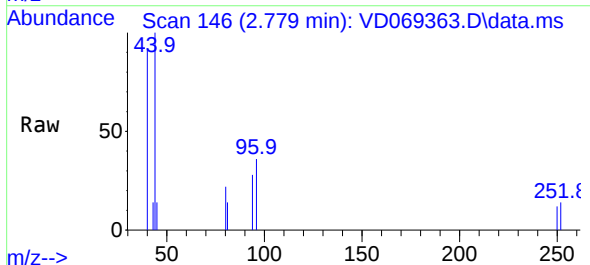
Instrument :
 MSVOA_D
 ClientSampled :
 13RE

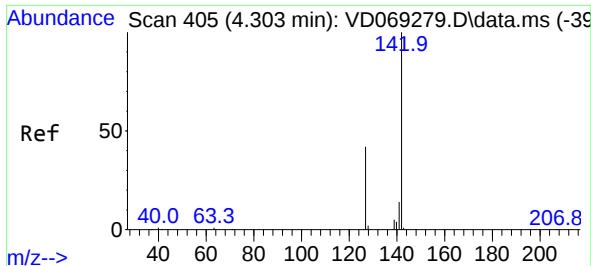
Tgt Ion: 62 Resp: 287
 Ion Ratio Lower Upper
 62 100
 64 0.0 26.2 39.4#



#5
 Bromomethane
 Concen: 3.793 ug/l
 RT: 2.779 min Scan# 146
 Delta R.T. 0.012 min
 Lab File: VD069363.D
 Acq: 07 Jun 2021 12:54

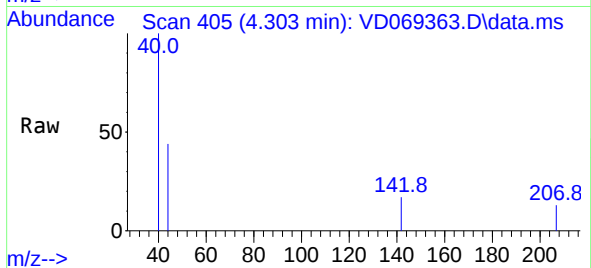
Tgt Ion: 94 Resp: 588
 Ion Ratio Lower Upper
 94 100
 96 76.7 70.3 105.5



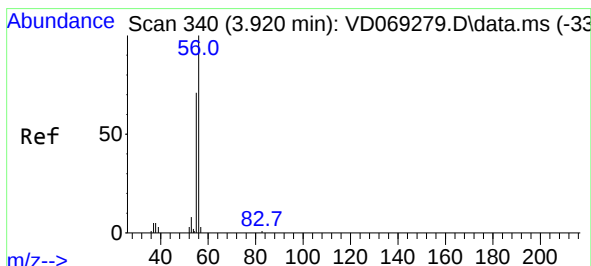
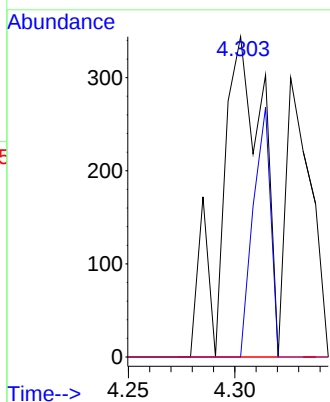
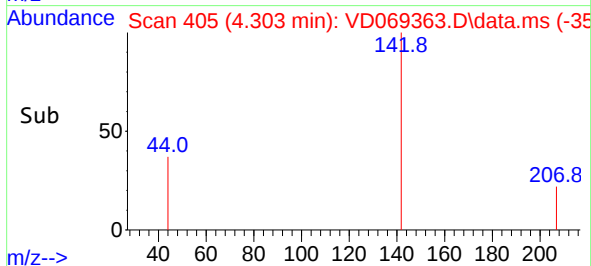


#10
Methyl Iodide
Concen: 3.990 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD069363.D
Acq: 07 Jun 2021 12:54

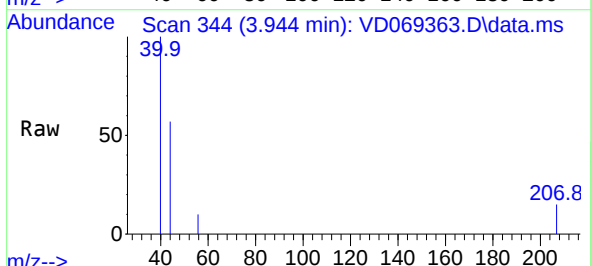
Instrument :
MSVOA_D
ClientSampled :
13RE



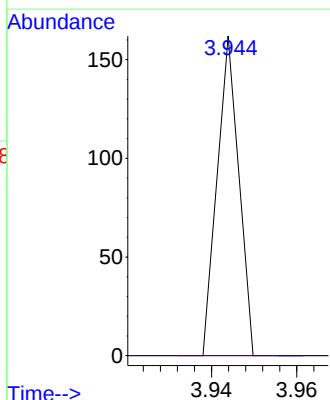
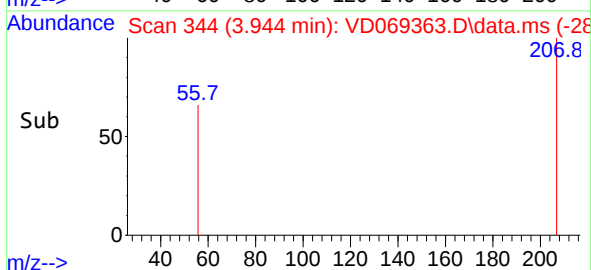
Tgt Ion:142 Resp: 463
Ion Ratio Lower Upper
142 100
127 0.0 36.2 54.2#
141 0.0 12.2 18.2#

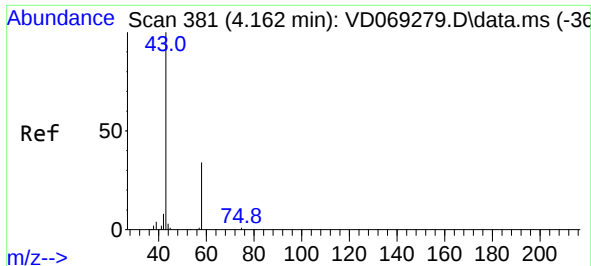


#13
Acrolein
Concen: 20.302 ug/l
RT: 3.944 min Scan# 344
Delta R.T. 0.024 min
Lab File: VD069363.D
Acq: 07 Jun 2021 12:54



Tgt Ion: 56 Resp: 57
Ion Ratio Lower Upper
56 100
55 0.0 53.8 80.8#

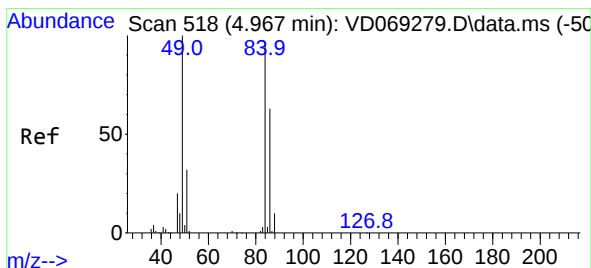
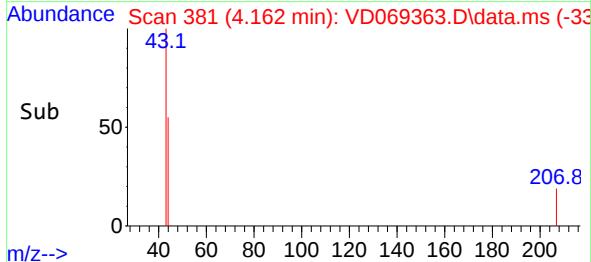
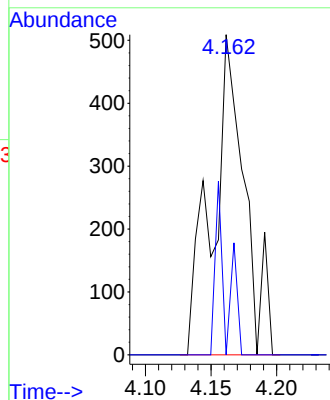
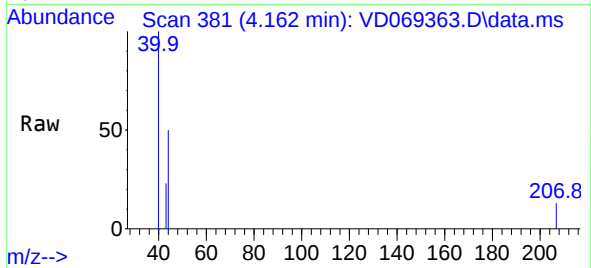




#16
Acetone
Concen: 19.589 ug/l
RT: 4.162 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD069363.D
Acq: 07 Jun 2021 12:54

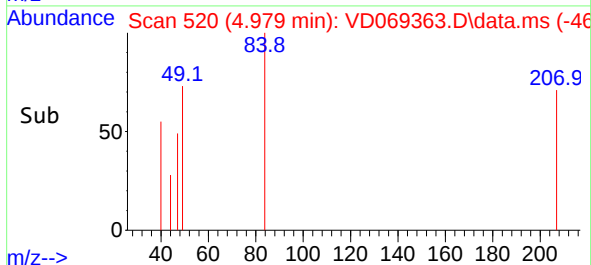
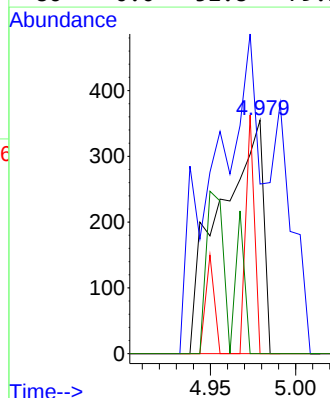
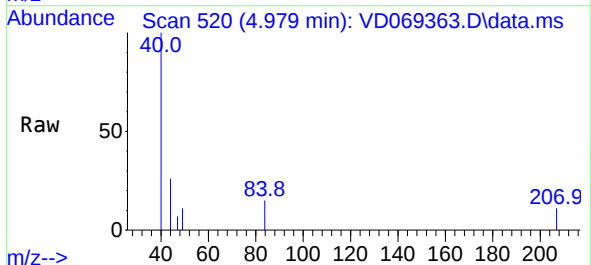
Instrument :
MSVOA_D
ClientSampled :
13RE

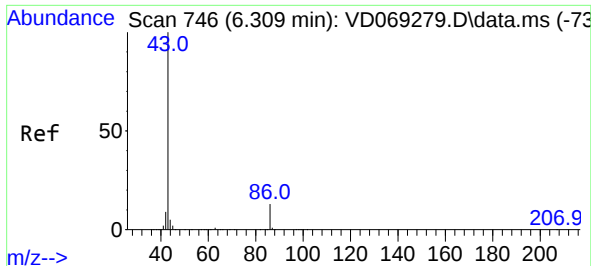
Tgt Ion: 43 Resp: 861
Ion Ratio Lower Upper
43 100
58 0.0 27.5 41.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.979 min Scan# 520
Delta R.T. 0.012 min
Lab File: VD069363.D
Acq: 07 Jun 2021 12:54

Tgt Ion: 84 Resp: 624
Ion Ratio Lower Upper
84 100
49 72.7 83.7 125.5#
51 0.0 26.4 39.6#
86 0.0 52.8 79.2#

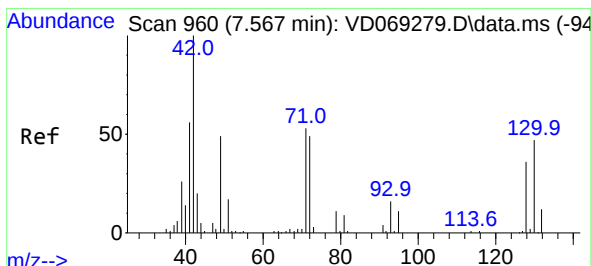
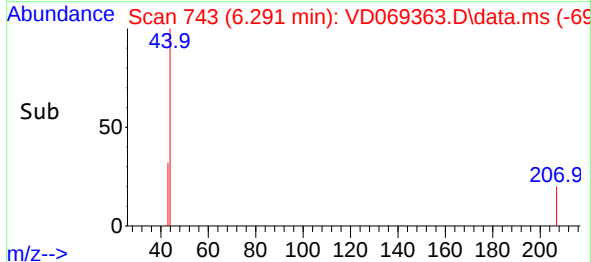
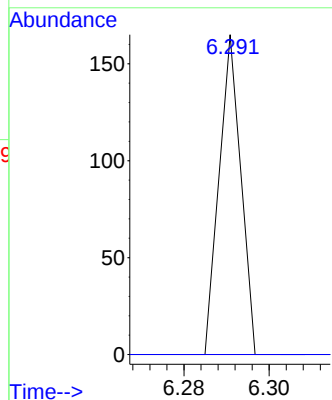
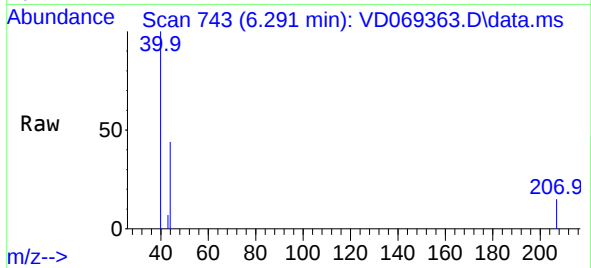




#23
 Vinyl Acetate
 Concen: 11.754 ug/l
 RT: 6.291 min Scan# 743
 Delta R.T. -0.018 min
 Lab File: VD069363.D
 Acq: 07 Jun 2021 12:54

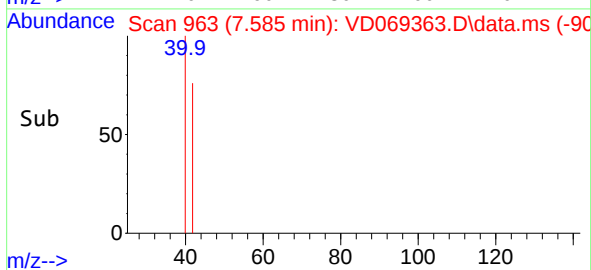
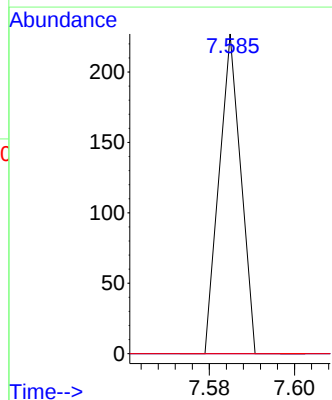
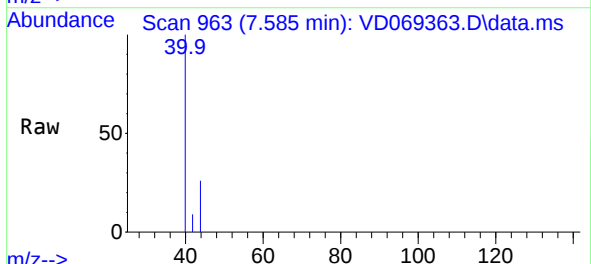
Instrument :
 MSVOA_D
 ClientSampleId :
 13RE

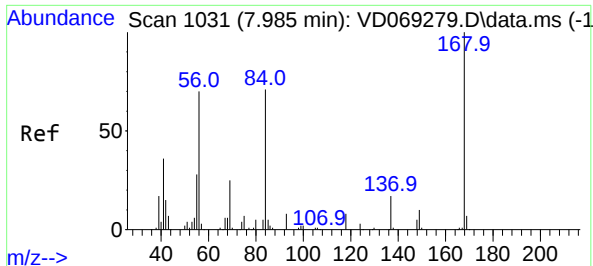
Tgt Ion: 43 Resp: 58
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.5 15.7#



#29
 Tetrahydrofuran
 Concen: 2.407 ug/l
 RT: 7.585 min Scan# 963
 Delta R.T. 0.018 min
 Lab File: VD069363.D
 Acq: 07 Jun 2021 12:54

Tgt Ion: 42 Resp: 80
 Ion Ratio Lower Upper
 42 100
 72 0.0 41.0 61.6#
 71 0.0 38.9 58.3#





#31

Cyclohexane

Concen: 2.489 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.018 min

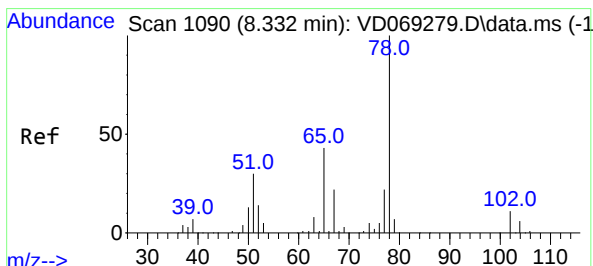
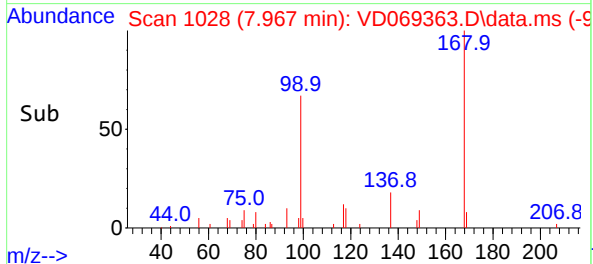
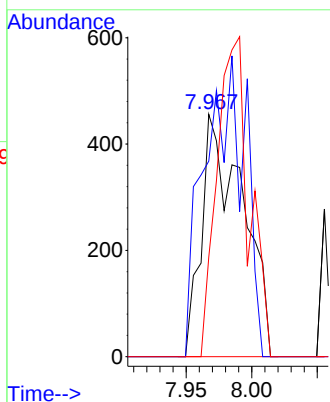
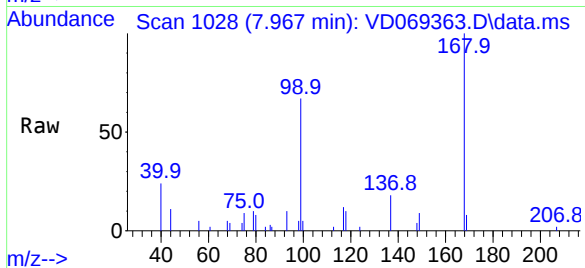
Lab File: VD069363.D

Acq: 07 Jun 2021 12:54

Instrument :
MSVOA_D
ClientSampled :
13RE

Tgt Ion: 56 Resp: 996

Ion	Ratio	Lower	Upper
56	100		
69	80.7	29.0	43.4#
84	41.0	81.1	121.7#



#33

1,2-Dichloroethane-d4

Concen: 83.605 ug/l

RT: 8.332 min Scan# 1090

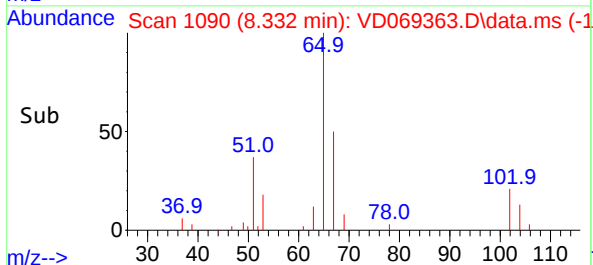
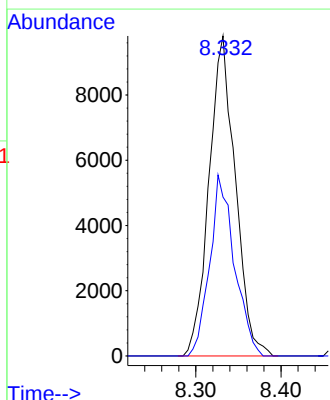
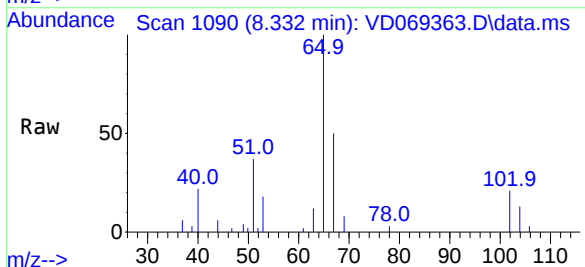
Delta R.T. -0.000 min

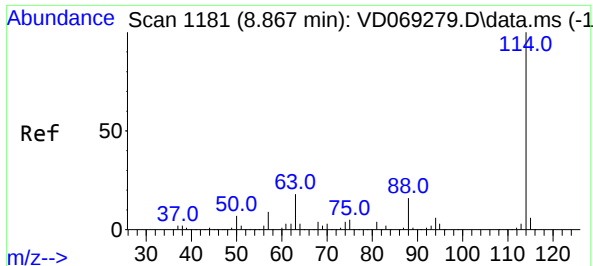
Lab File: VD069363.D

Acq: 07 Jun 2021 12:54

Tgt Ion: 65 Resp: 21057

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	105.8



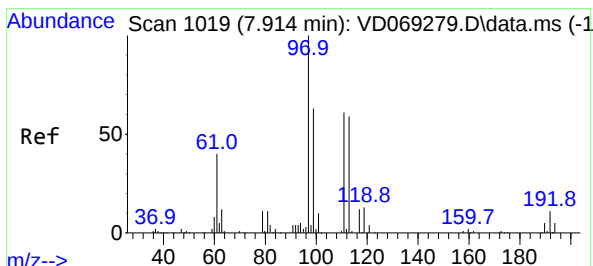
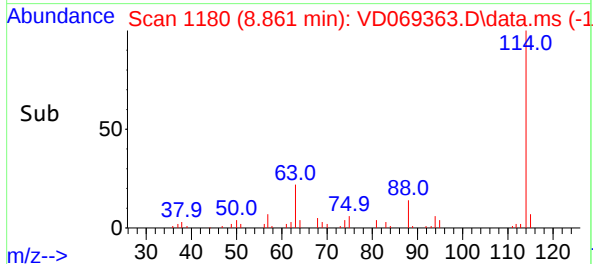
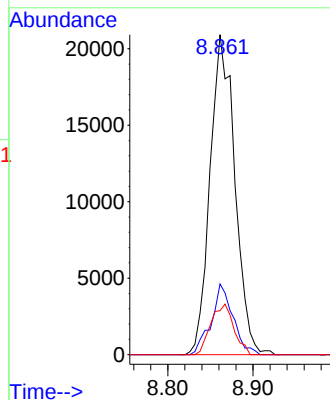
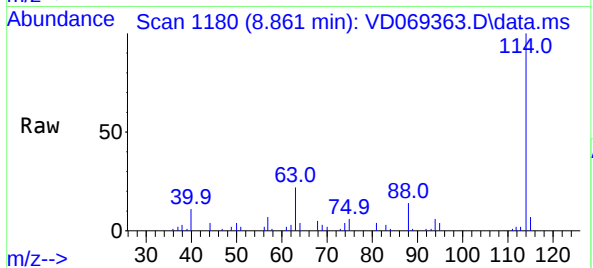


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069363.D
Acq: 07 Jun 2021 12:54

Instrument :
MSVOA_D
ClientSampled :
13RE

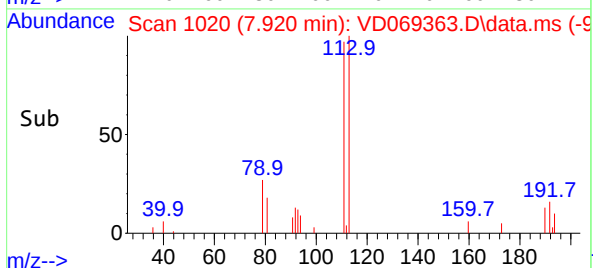
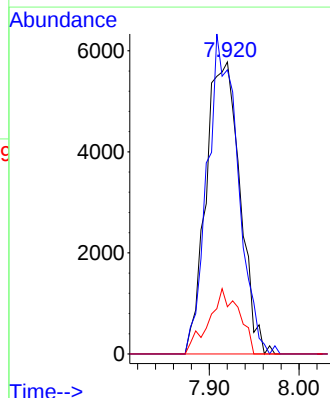
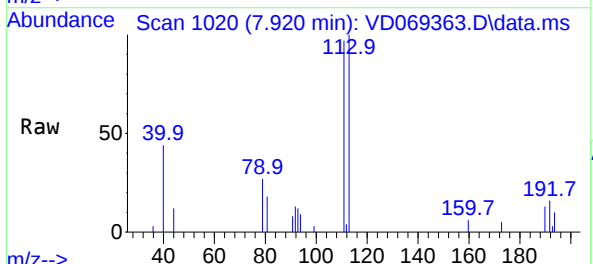
Tgt Ion:114	Resp:	42305
Ion Ratio	Lower	Upper
114	100	
63	22.1	0.0 35.6
88	13.7	0.0 31.2

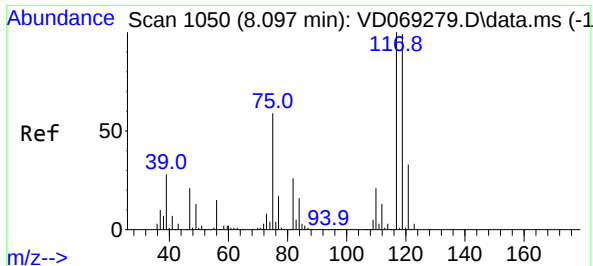


#35

Dibromofluoromethane
Concen: 57.298 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VD069363.D
Acq: 07 Jun 2021 12:54

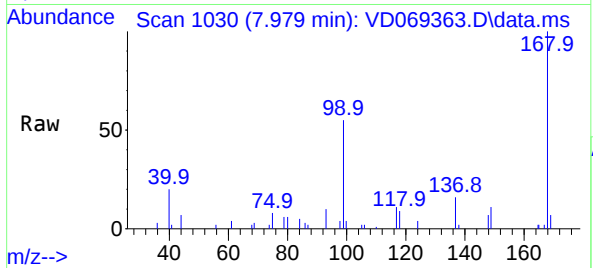
Tgt Ion:113	Resp:	15222
Ion Ratio	Lower	Upper
113	100	
111	98.6	83.0 124.6
192	19.7	15.1 22.7



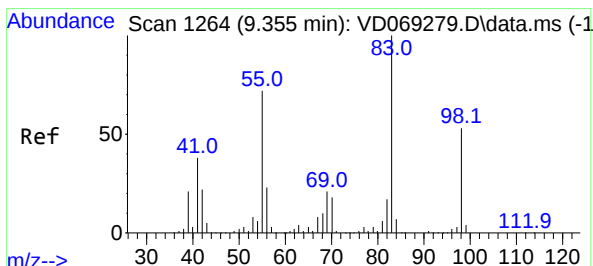
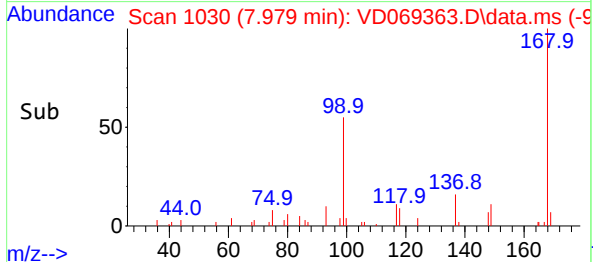
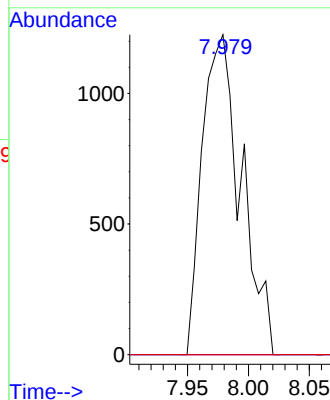


#38
Carbon Tetrachloride
Concen: 6.122 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069363.D
Acq: 07 Jun 2021 12:54

Instrument :
MSVOA_D
ClientSampled :
13RE

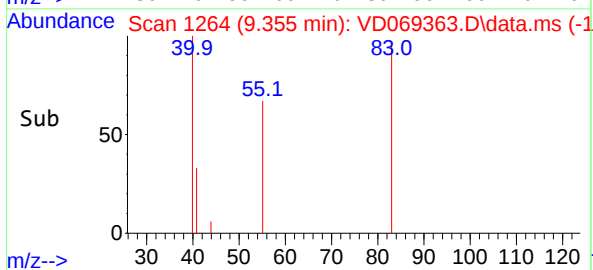
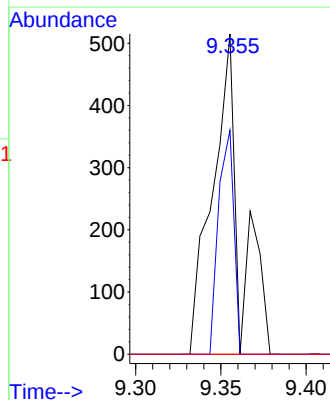
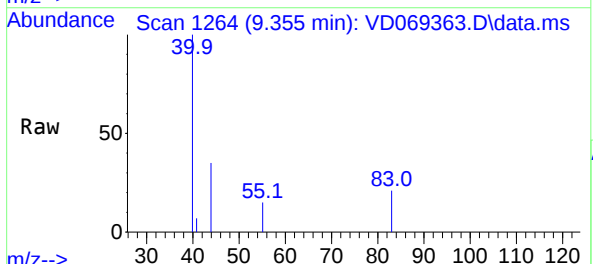


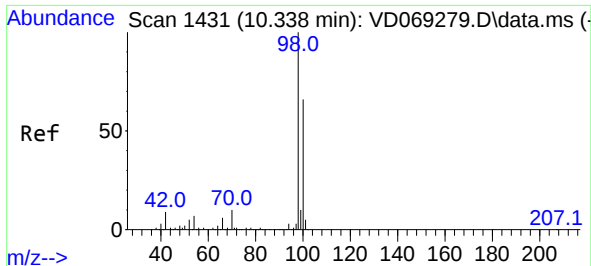
Tgt Ion:117 Resp: 2718
Ion Ratio Lower Upper
117 100
119 0.0 79.4 119.2#
121 0.0 26.1 39.1#



#39
Methylcyclohexane
Concen: 1.395 ug/l
RT: 9.355 min Scan# 1264
Delta R.T. -0.000 min
Lab File: VD069363.D
Acq: 07 Jun 2021 12:54

Tgt Ion: 83 Resp: 587
Ion Ratio Lower Upper
83 100
55 69.9 57.4 86.2
98 0.0 42.2 63.2#

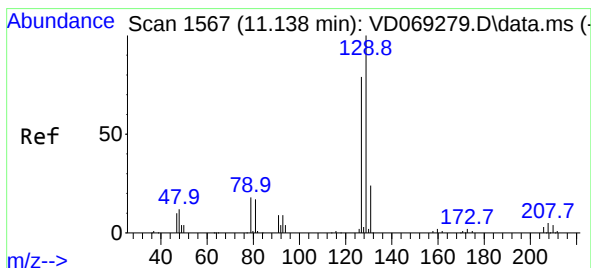
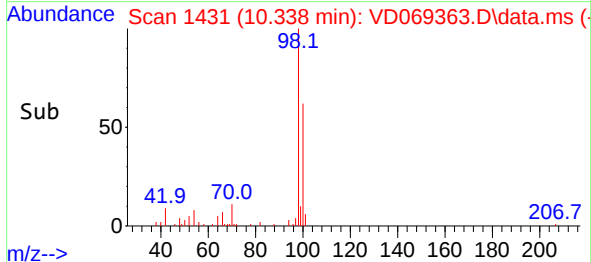
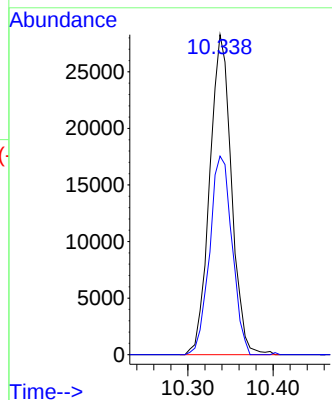
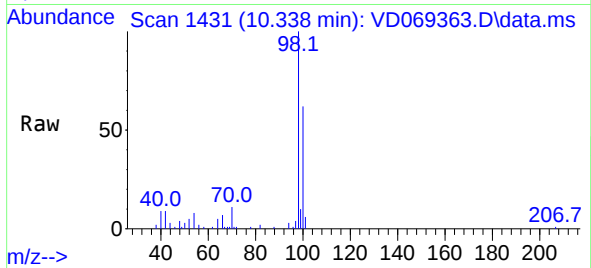




#50
Toluene-d8
Concen: 52.039 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069363.D
Acq: 07 Jun 2021 12:54

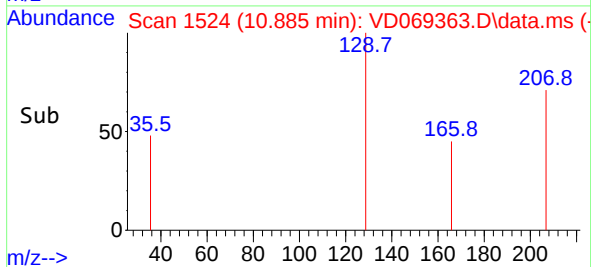
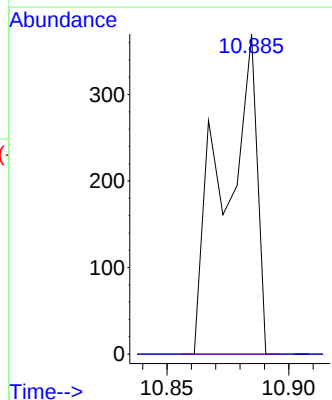
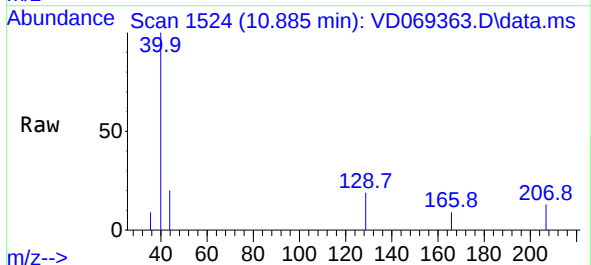
Instrument :
MSVOA_D
ClientSampleId :
13RE

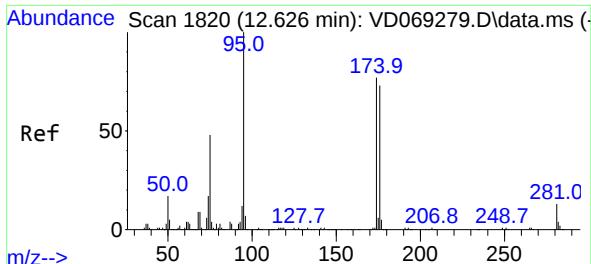
Tgt Ion: 98 Resp: 50273
Ion Ratio Lower Upper
98 100
100 63.8 52.1 78.1



#60
Dibromochloromethane
Concen: 1.236 ug/l
RT: 10.885 min Scan# 1524
Delta R.T. -0.253 min
Lab File: VD069363.D
Acq: 07 Jun 2021 12:54

Tgt Ion: 129 Resp: 351
Ion Ratio Lower Upper
129 100
127 0.0 39.6 118.7#

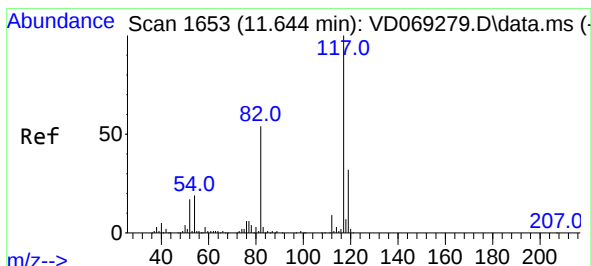
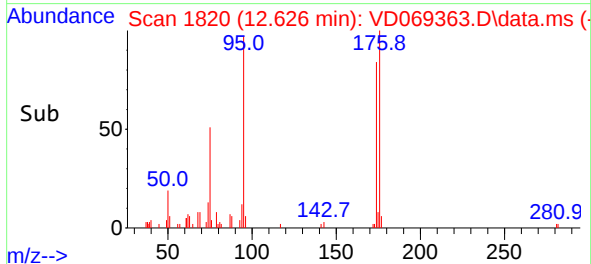
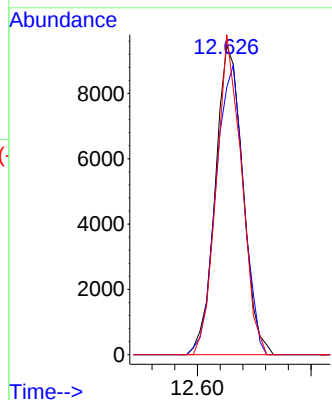
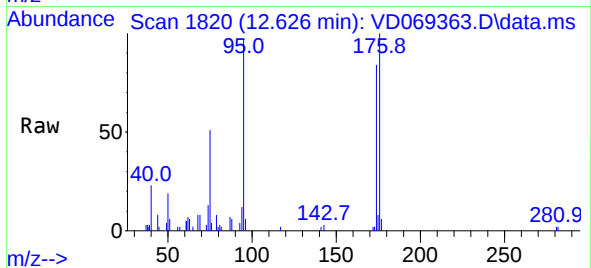




#62
4-Bromofluorobenzene
Concen: 50.415 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069363.D
Acq: 07 Jun 2021 12:54

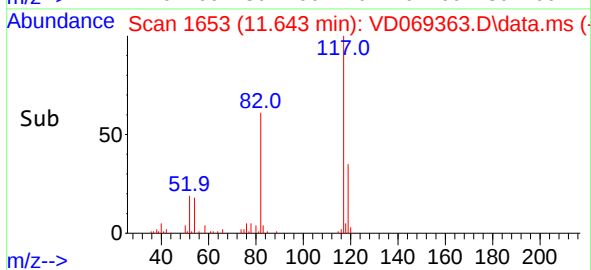
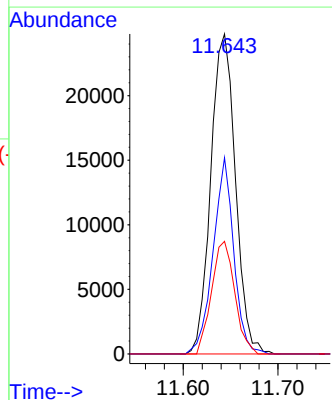
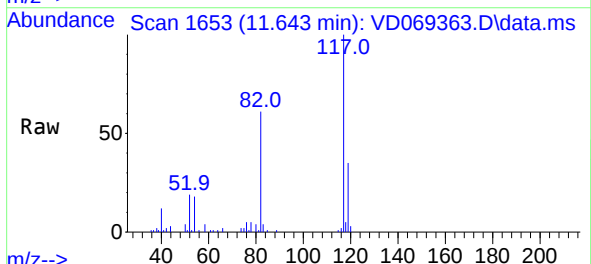
Instrument :
MSVOA_D
ClientSampled :
13RE

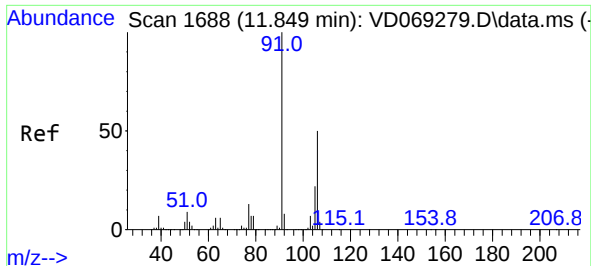
Tgt Ion:	95	Resp:	15959
Ion	Ratio	Lower	Upper
95	100		
174	94.6	0.0	162.8
176	94.1	0.0	154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069363.D
Acq: 07 Jun 2021 12:54

Tgt Ion:	117	Resp:	44758
Ion	Ratio	Lower	Upper
117	100		
82	61.3	43.3	64.9
119	35.2	25.3	37.9

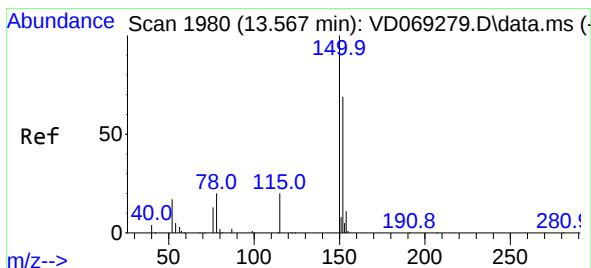
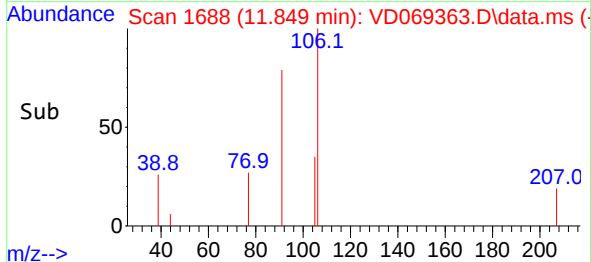
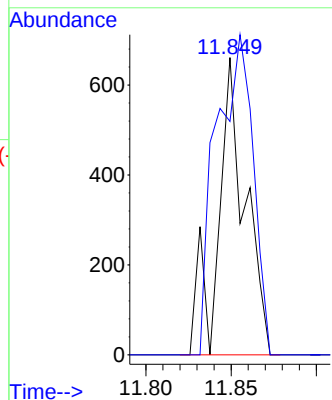
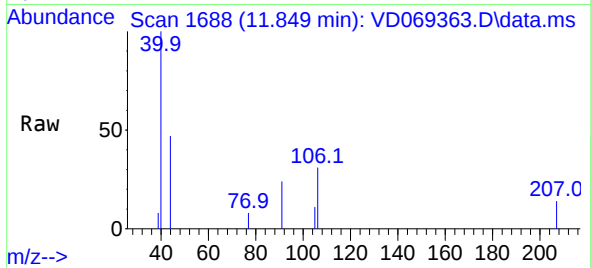




#68
m/p-Xylenes
Concen: 1.199 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VD069363.D
Acq: 07 Jun 2021 12:54

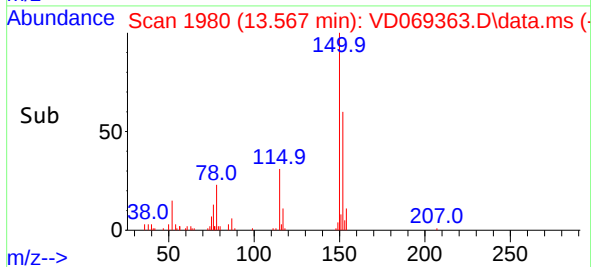
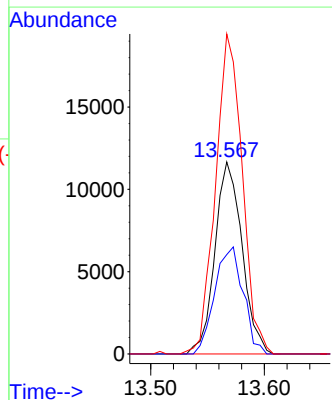
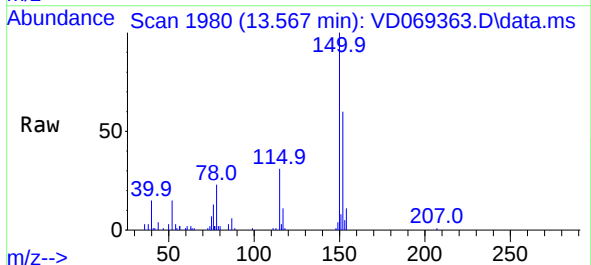
Instrument :
MSVOA_D
ClientSampled :
13RE

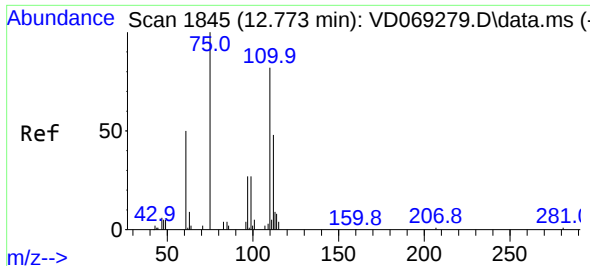
Tgt Ion:106 Resp: 738
Ion Ratio Lower Upper
106 100
91 144.7 158.3 237.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069363.D
Acq: 07 Jun 2021 12:54

Tgt Ion:152 Resp: 19414
Ion Ratio Lower Upper
152 100
115 58.2 29.4 88.3
150 164.1 0.0 355.0

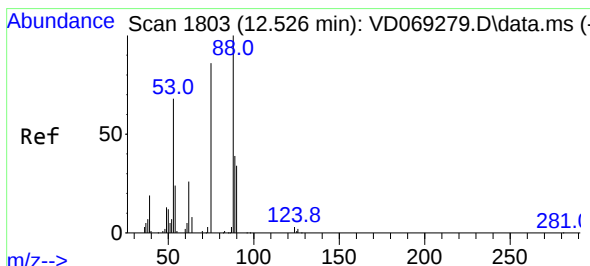
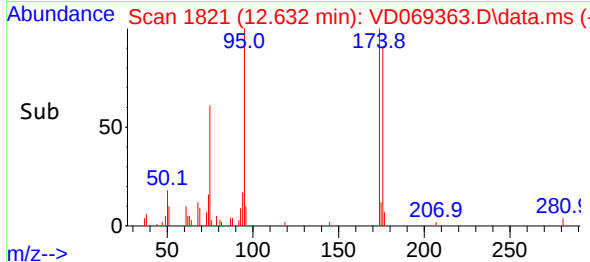
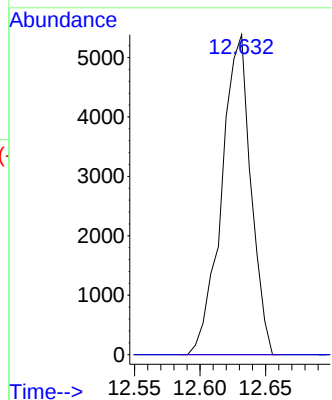
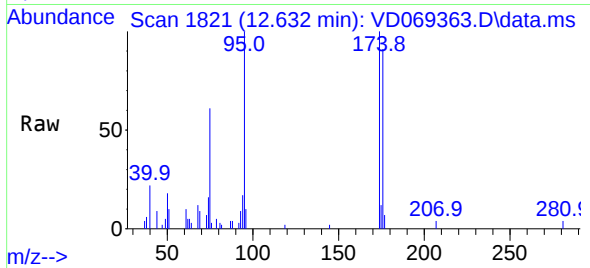




#76
1,2,3-Trichloropropane
Concen: 49.474 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.141 min
Lab File: VD069363.D
Acq: 07 Jun 2021 12:54

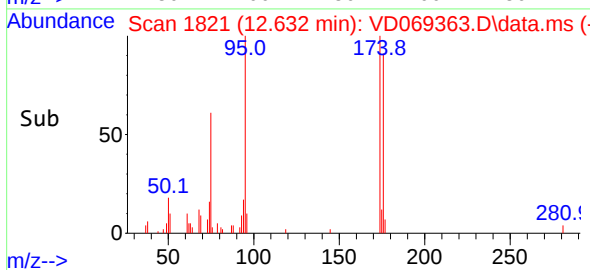
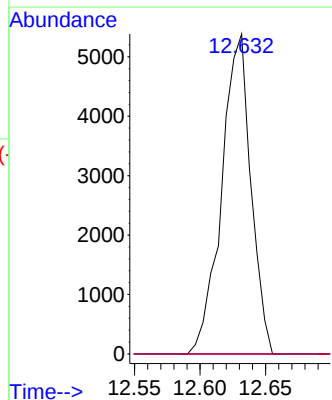
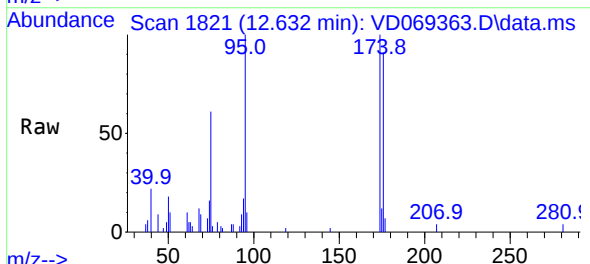
Instrument :
MSVOA_D
ClientSampled :
13RE

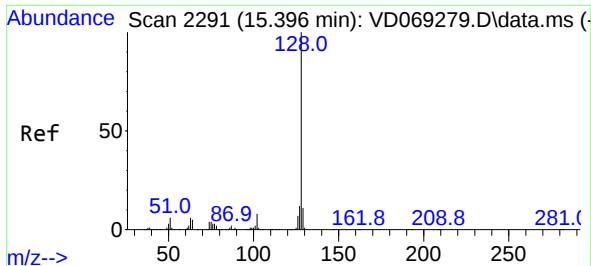
Tgt Ion: 75 Resp: 8345
Ion Ratio Lower Upper
75 100
77 0.0 183.8 551.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 109.634 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD069363.D
Acq: 07 Jun 2021 12:54

Tgt Ion: 75 Resp: 8345
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 35.6 53.4#

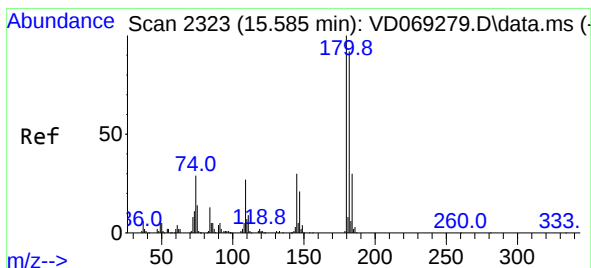
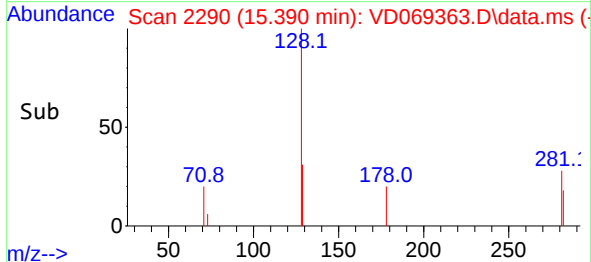
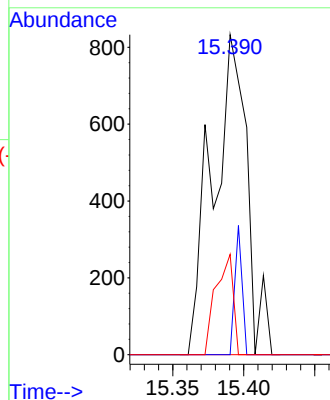
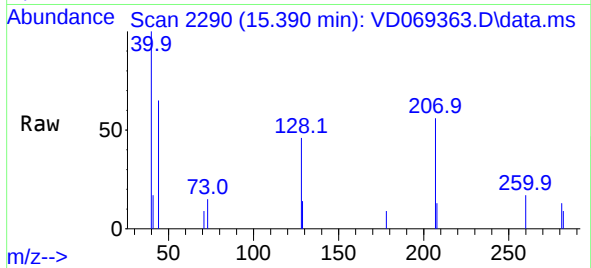




#95
Naphthalene
Concen: 5.264 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. -0.006 min
Lab File: VD069363.D
Acq: 07 Jun 2021 12:54

Instrument :
MSVOA_D
ClientSampled :
13RE

Tgt Ion:	128	Resp:	1392
Ion	Ratio	Lower	Upper
128	100		
127	8.5	10.4	15.6#
129	15.9	8.8	13.2#



#96
1,2,3-Trichlorobenzene
Concen: 1.028 ug/l
RT: 15.579 min Scan# 2322
Delta R.T. -0.006 min
Lab File: VD069363.D
Acq: 07 Jun 2021 12:54

Tgt Ion:	180	Resp:	303
Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.0	141.0
145	26.1	15.9	47.7

