

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091922\
 Data File : VD074356.D
 Acq On : 19 Sep 2022 19:55
 Operator : VA/SY
 Sample : N4656-31
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-4

Quant Time: Sep 19 23:03:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091622S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 17 04:16:54 2022
 Response via : Initial Calibration

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

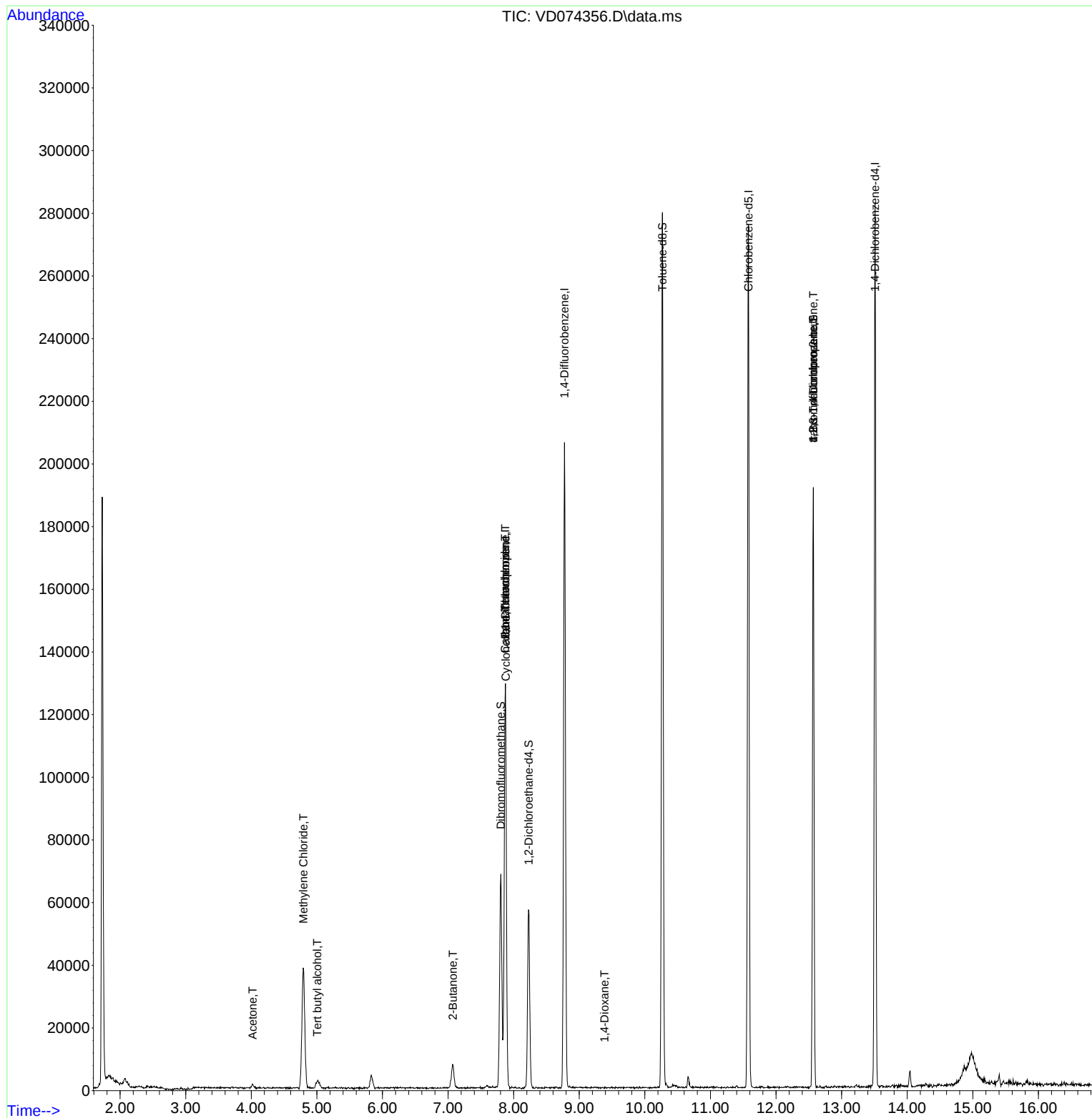
Internal Standards						
1) Pentafluorobenzene	7.875	168	103047	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	182310	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	161174	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	75508	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	44645	44.481	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.960%		
35) Dibromofluoromethane	7.804	113	49215	40.988	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	81.980%		
50) Toluene-d8	10.269	98	196111	47.335	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.680%		
62) 4-Bromofluorobenzene	12.569	95	55965	38.550	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	77.100%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.005	59	2850	42.017	ug/l #	74
16) Acetone	4.022	43	2000	8.845	ug/l	90
20) Methylene Chloride	4.793	84	29249	14.461	ug/l	93
25) 2-Butanone	7.075	43	650	1.930	ug/l #	48
31) Cyclohexane	7.881	56	2148	1.020	ug/l #	18
36) 1,1-Dichloropropene	7.875	75	7796	4.253	ug/l #	49
38) Carbon Tetrachloride	7.869	117	10029	6.175	ug/l #	11
49) 1,4-Dioxane	9.387	88	59	8.109	ug/l #	24
76) 1,2,3-Trichloropropane	12.569	75	30375	43.479	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	30375	108.969	ug/l #	100

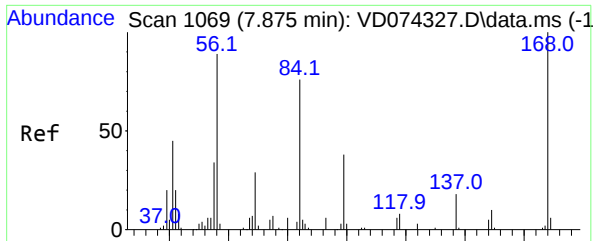
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

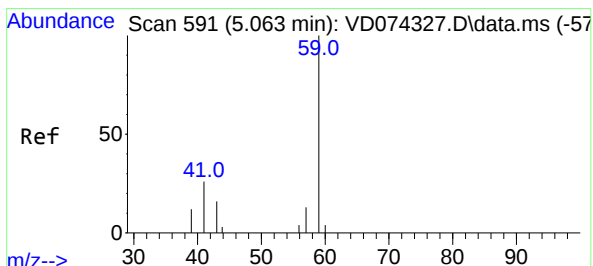
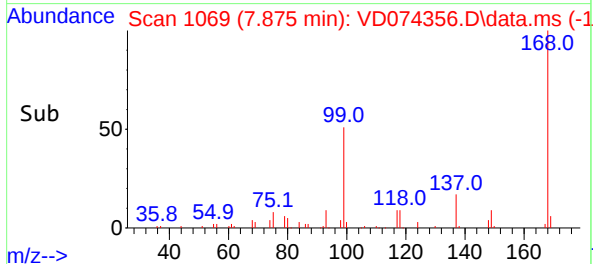
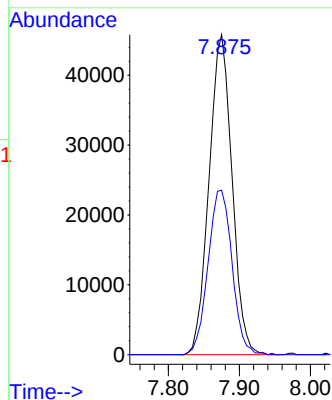
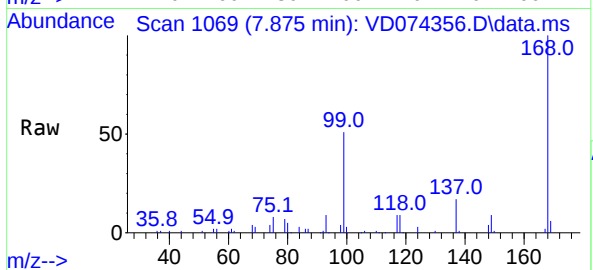




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074356.D
Acq: 19 Sep 2022 19:55

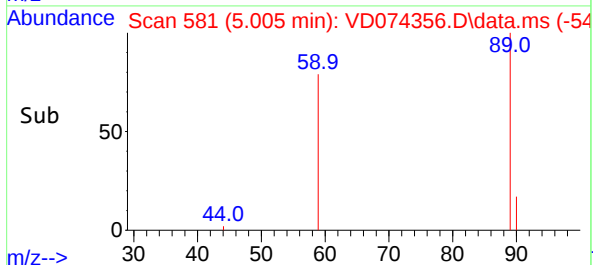
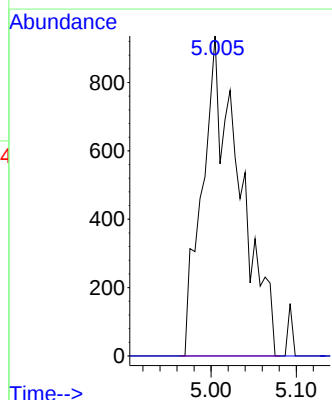
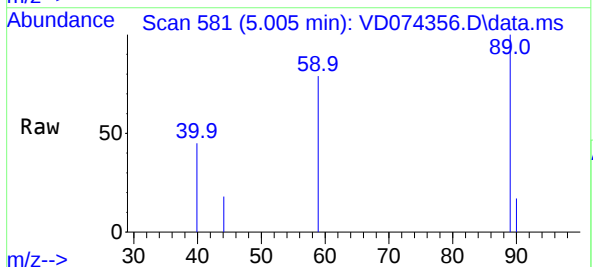
Instrument :
MSVOA_D
ClientSampleId :
SP-4

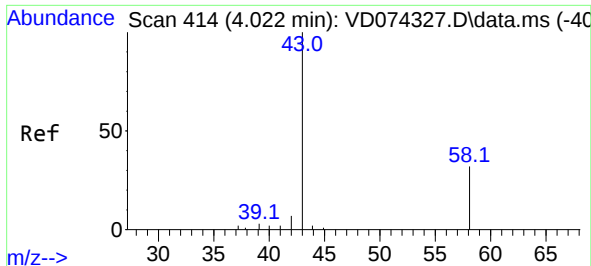
Tgt Ion:168 Resp: 103047
Ion Ratio Lower Upper
168 100
99 51.4 43.0 64.6



#11
Tert butyl alcohol
Concen: 42.017 ug/l
RT: 5.005 min Scan# 581
Delta R.T. -0.058 min
Lab File: VD074356.D
Acq: 19 Sep 2022 19:55

Tgt Ion: 59 Resp: 2850
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

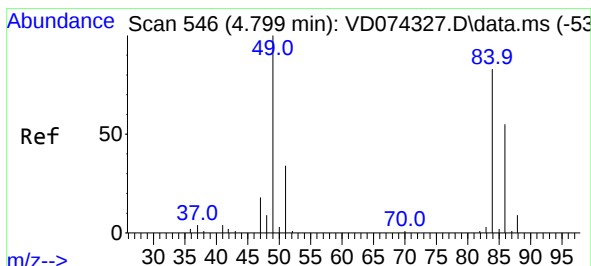
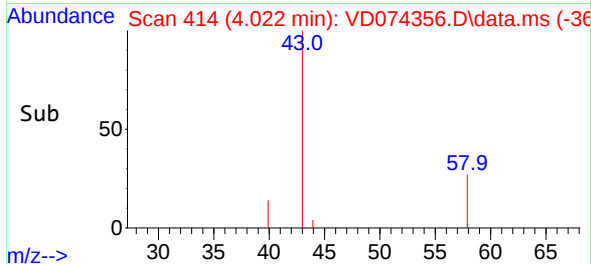
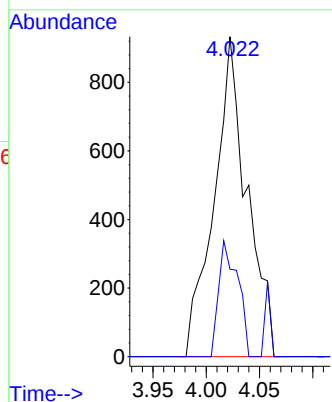
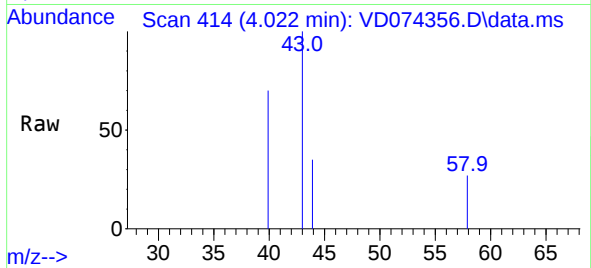




#16
Acetone
Concen: 8.845 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD074356.D
Acq: 19 Sep 2022 19:55

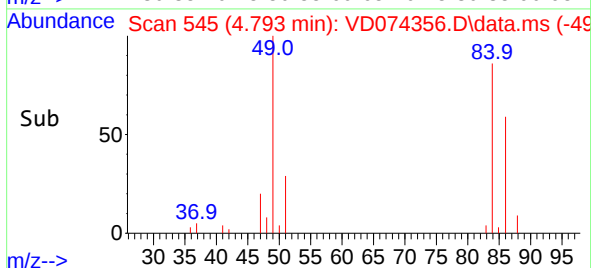
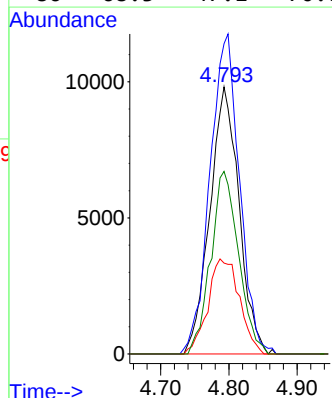
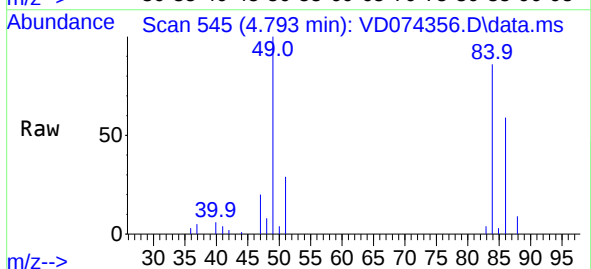
Instrument :
MSVOA_D
ClientSampleId :
SP-4

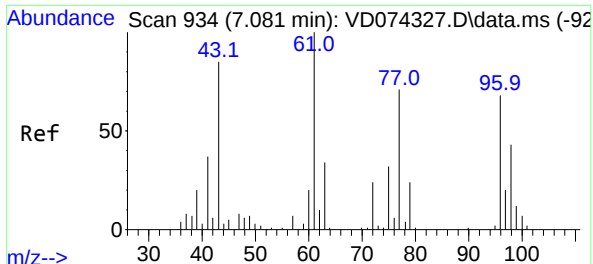
Tgt Ion: 43 Resp: 2000
Ion Ratio Lower Upper
43 100
58 27.3 26.4 39.6



#20
Methylene Chloride
Concen: 14.461 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD074356.D
Acq: 19 Sep 2022 19:55

Tgt Ion: 84 Resp: 29249
Ion Ratio Lower Upper
84 100
49 116.2 88.4 132.6
51 34.1 28.0 42.0
86 68.3 47.1 70.7

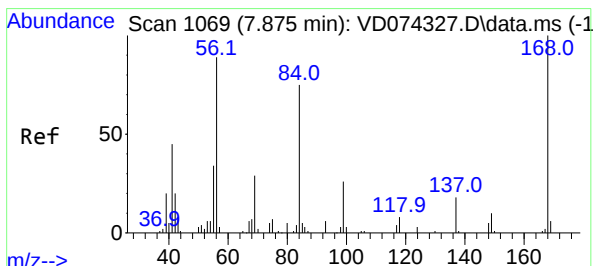
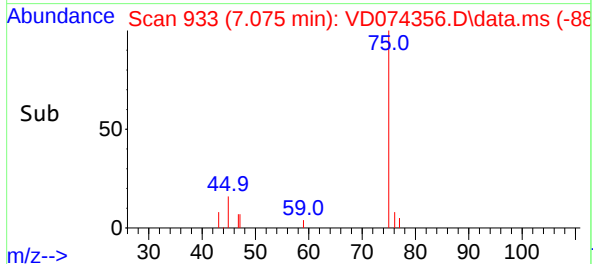
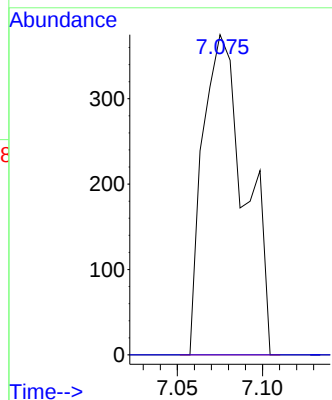
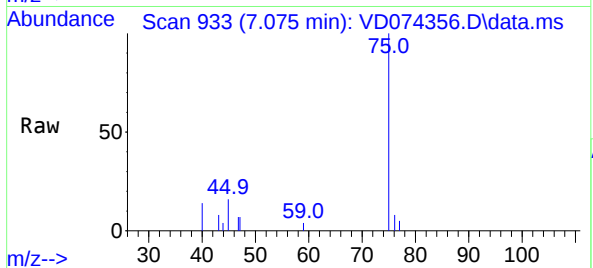




#25
2-Butanone
Concen: 1.930 ug/l
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD074356.D
Acq: 19 Sep 2022 19:55

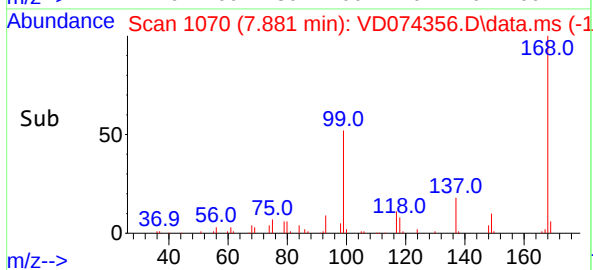
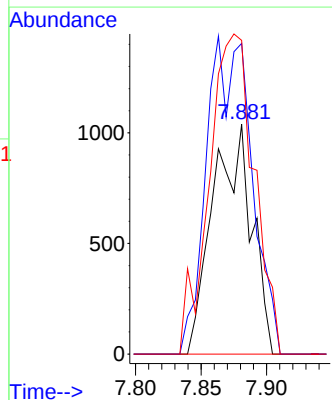
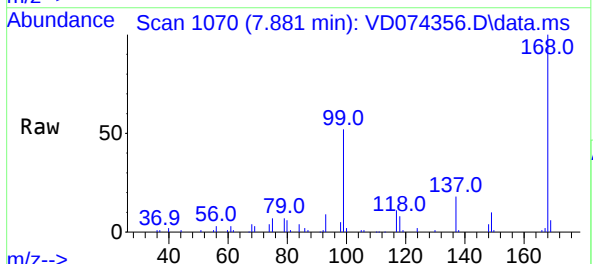
Instrument :
MSVOA_D
ClientSampleId :
SP-4

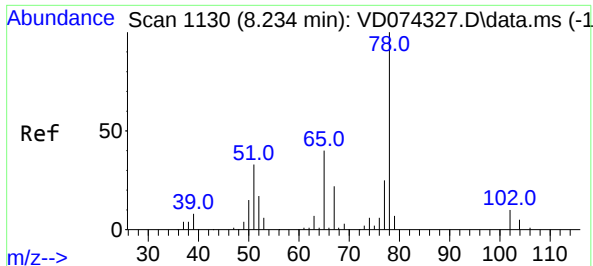
Tgt Ion: 43 Resp: 650
Ion Ratio Lower Upper
43 100
72 0.0 21.8 32.6#



#31
Cyclohexane
Concen: 1.020 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD074356.D
Acq: 19 Sep 2022 19:55

Tgt Ion: 56 Resp: 2148
Ion Ratio Lower Upper
56 100
69 135.1 25.7 38.5#
84 136.5 73.9 110.9#





#33

1,2-Dichloroethane-d4

Concen: 44.481 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD074356.D

Acq: 19 Sep 2022 19:55

Instrument :

MSVOA_D

ClientSampleId :

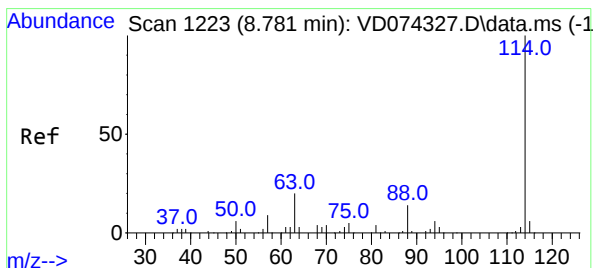
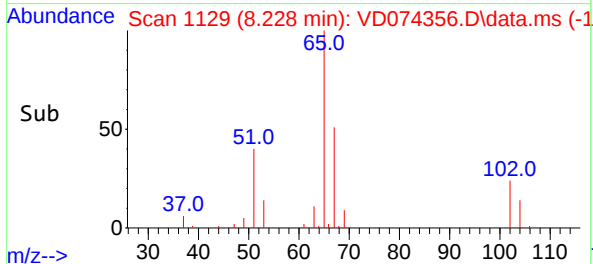
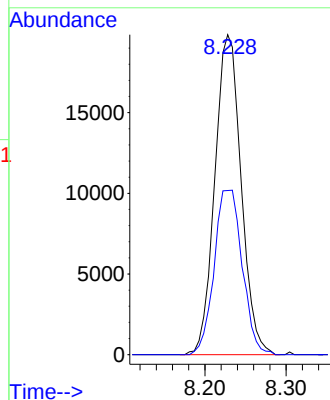
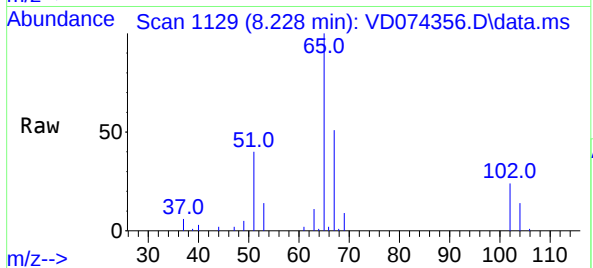
SP-4

Tgt Ion: 65 Resp: 44645

Ion Ratio Lower Upper

65 100

67 54.9 0.0 110.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD074356.D

Acq: 19 Sep 2022 19:55

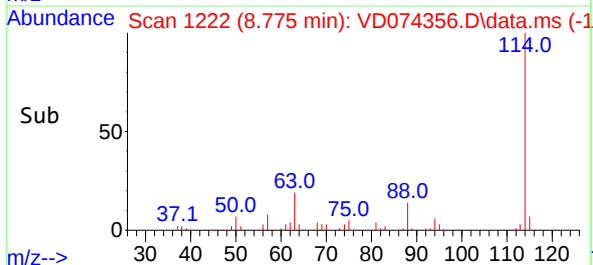
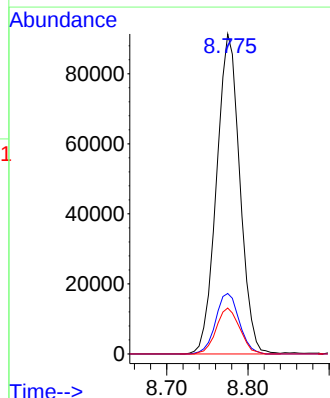
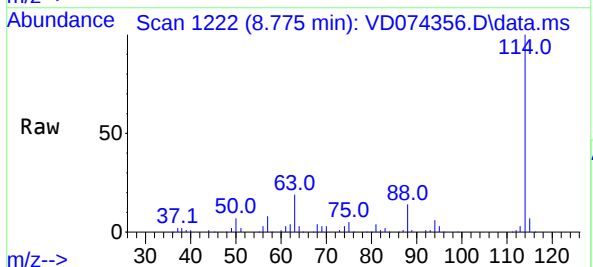
Tgt Ion:114 Resp: 182310

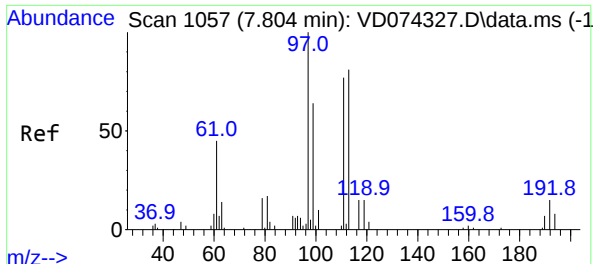
Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.6

88 14.4 0.0 28.4

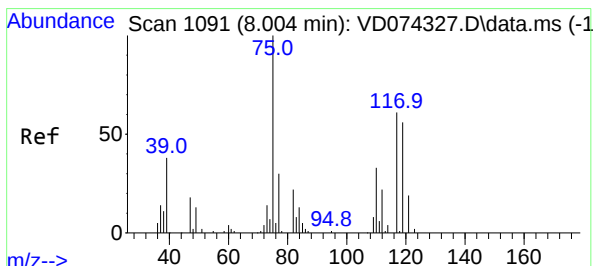
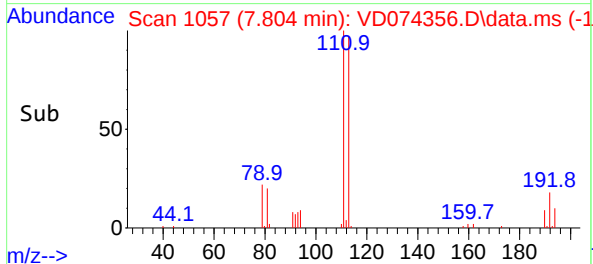
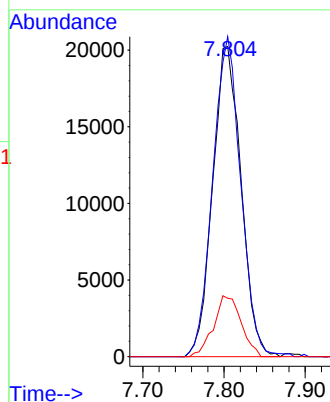
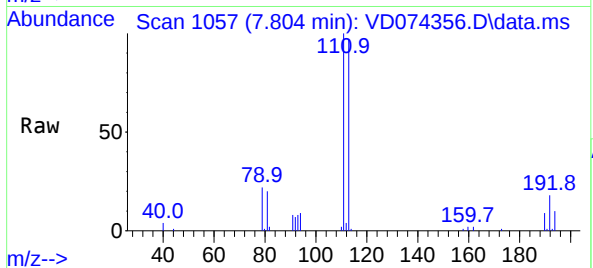




#35
Dibromofluoromethane
Concen: 40.988 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD074356.D
Acq: 19 Sep 2022 19:55

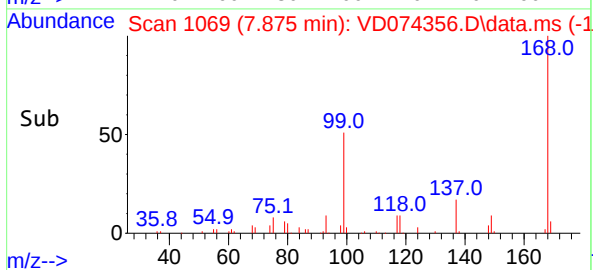
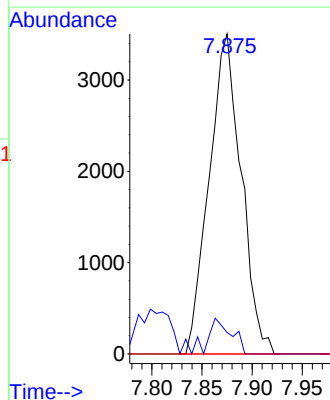
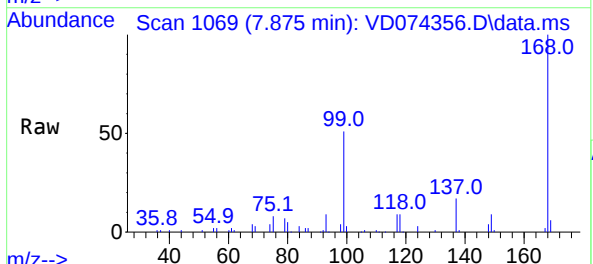
Instrument :
MSVOA_D
ClientSampleId :
SP-4

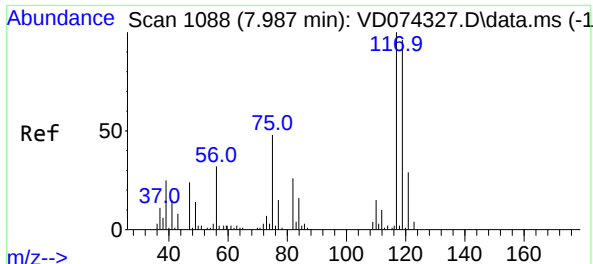
Tgt Ion:	113	Resp:	49215
Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.0	124.6
192	19.0	16.2	24.2



#36
1,1-Dichloropropene
Concen: 4.253 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD074356.D
Acq: 19 Sep 2022 19:55

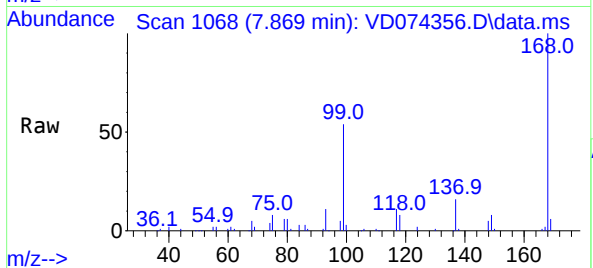
Tgt Ion:	75	Resp:	7796
Ion	Ratio	Lower	Upper
75	100		
110	8.1	17.5	52.5#
77	0.0	24.8	37.2#



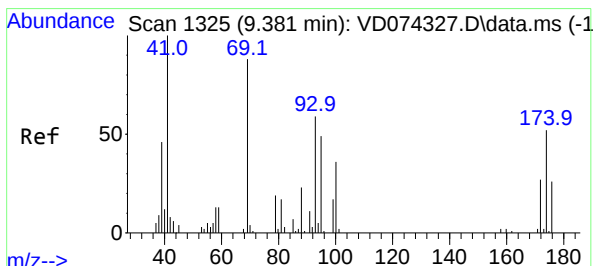
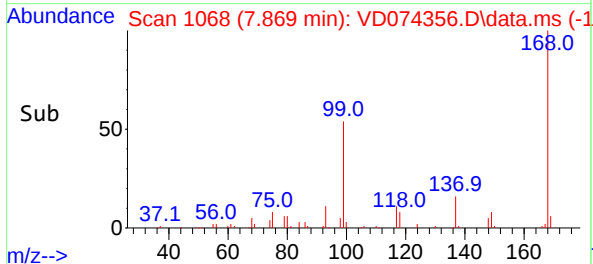
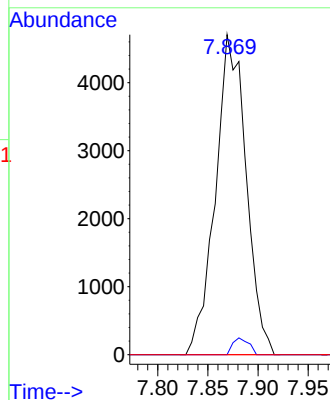


#38
Carbon Tetrachloride
Concen: 6.175 ug/l
RT: 7.869 min Scan# 1088
Delta R.T. -0.118 min
Lab File: VD074356.D
Acq: 19 Sep 2022 19:55

Instrument :
MSVOA_D
ClientSampleId :
SP-4

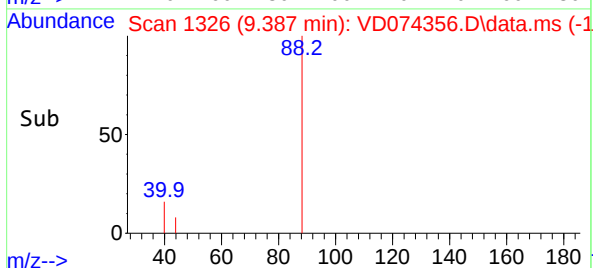
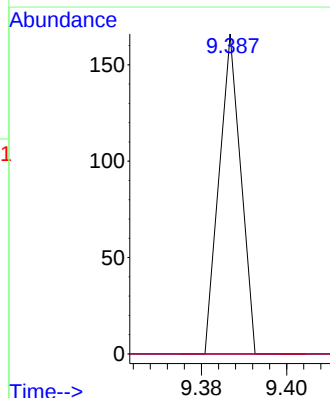
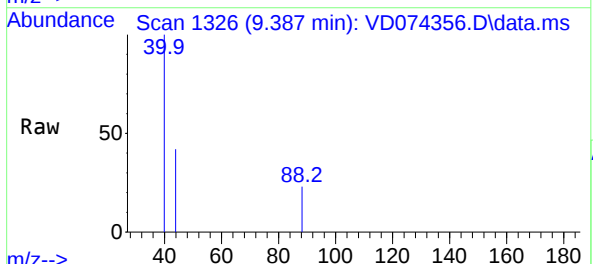


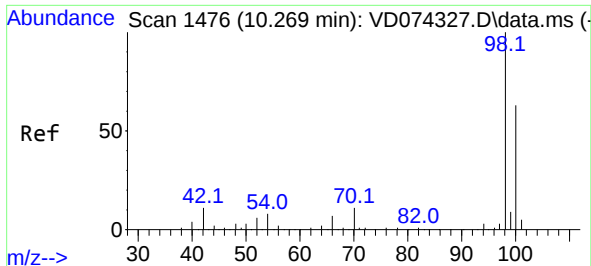
Tgt Ion:117 Resp: 10029
Ion Ratio Lower Upper
117 100
119 0.0 78.8 118.2#
121 0.0 23.9 35.9#



#49
1,4-Dioxane
Concen: 8.109 ug/l
RT: 9.387 min Scan# 1326
Delta R.T. 0.006 min
Lab File: VD074356.D
Acq: 19 Sep 2022 19:55

Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 0.0 27.0 40.4#
58 0.0 54.2 81.2#

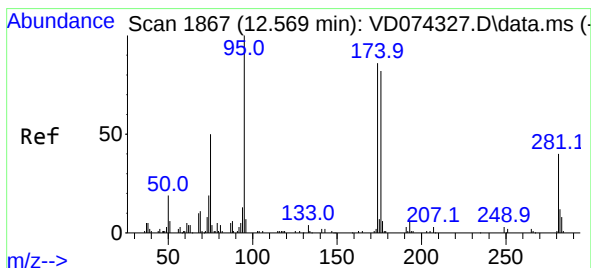
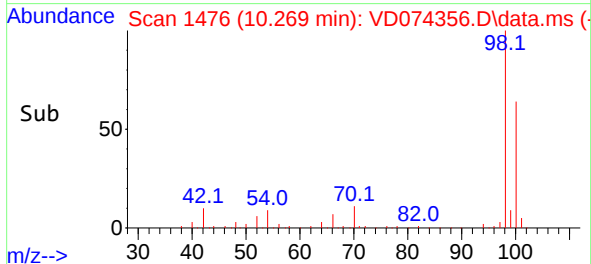
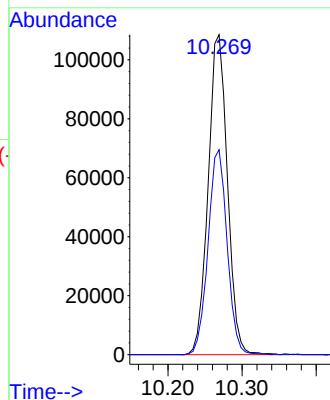
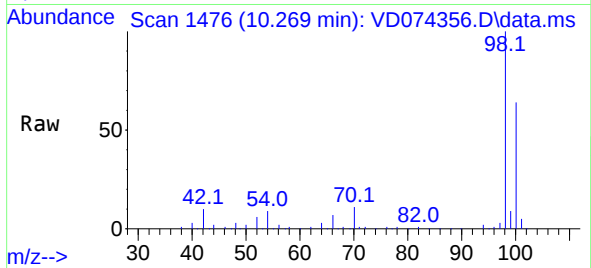




#50
Toluene-d8
Concen: 47.335 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074356.D
Acq: 19 Sep 2022 19:55

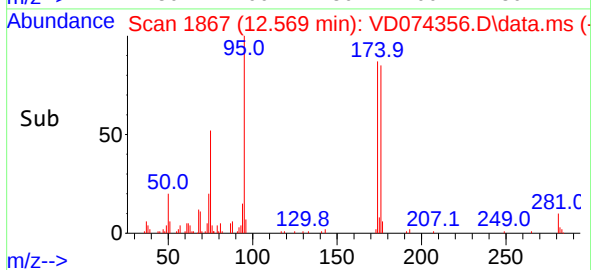
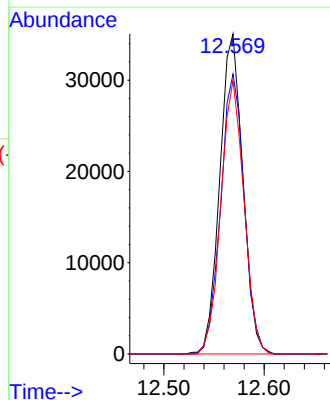
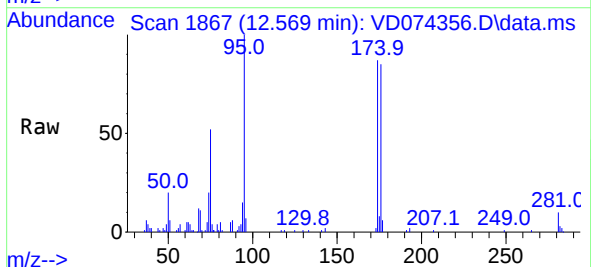
Instrument :
MSVOA_D
ClientSampleId :
SP-4

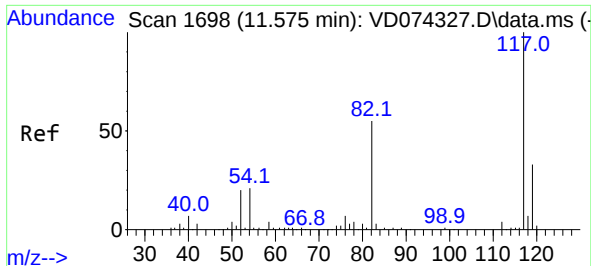
Tgt Ion: 98 Resp: 196111
Ion Ratio Lower Upper
98 100
100 63.4 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 38.550 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD074356.D
Acq: 19 Sep 2022 19:55

Tgt Ion: 95 Resp: 55965
Ion Ratio Lower Upper
95 100
174 88.9 0.0 179.2
176 85.7 0.0 171.4

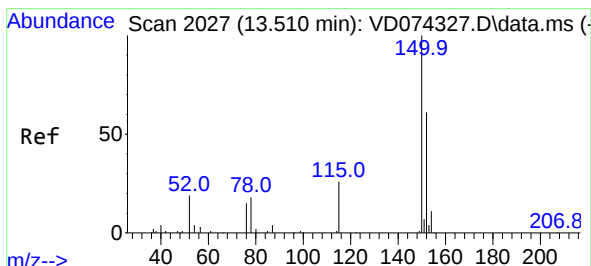
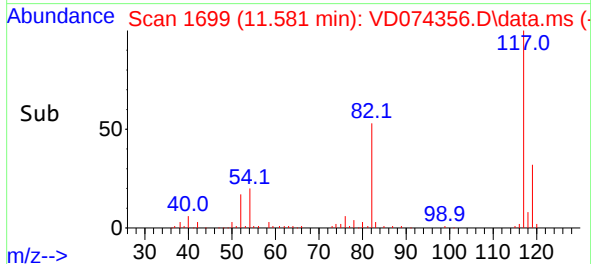
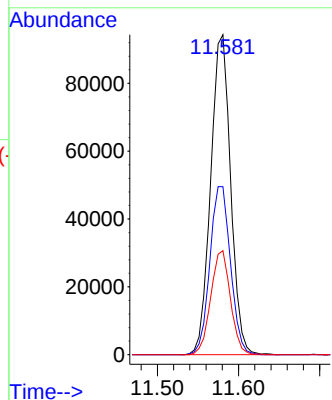
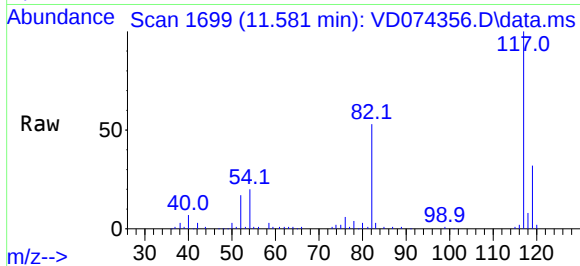




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VD074356.D
Acq: 19 Sep 2022 19:55

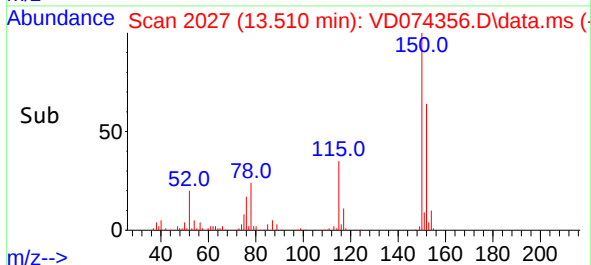
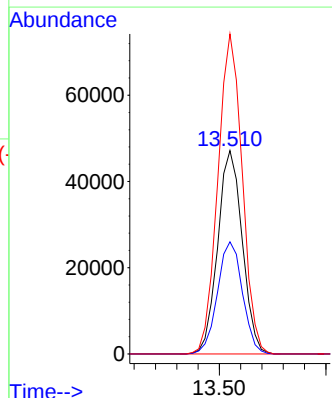
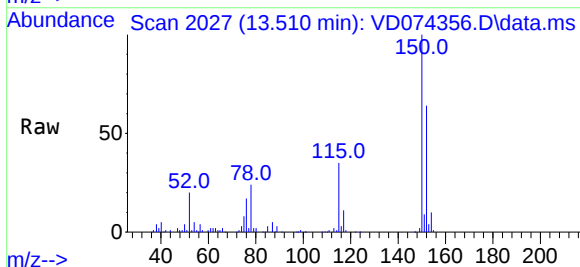
Instrument :
MSVOA_D
ClientSampleId :
SP-4

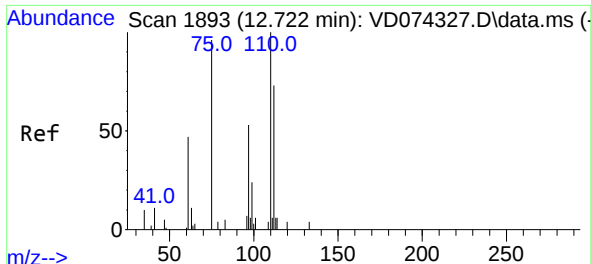
Tgt Ion:117 Resp: 161174
Ion Ratio Lower Upper
117 100
82 52.5 44.2 66.2
119 32.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.510 min Scan# 2027
Delta R.T. 0.000 min
Lab File: VD074356.D
Acq: 19 Sep 2022 19:55

Tgt Ion:152 Resp: 75508
Ion Ratio Lower Upper
152 100
115 56.1 28.4 85.2
150 155.9 0.0 351.0

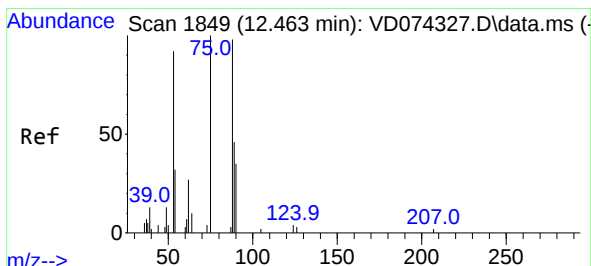
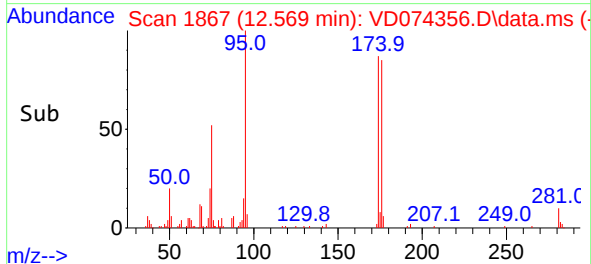
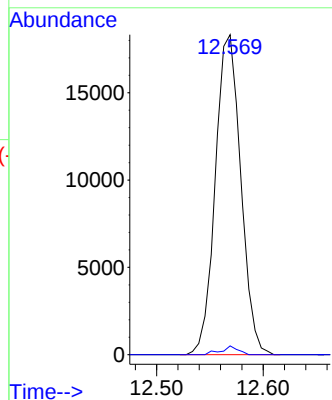
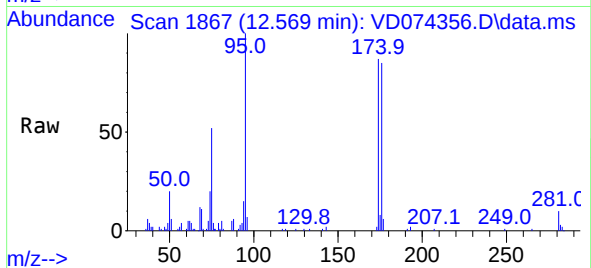




#76
1,2,3-Trichloropropane
Concen: 43.479 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD074356.D
Acq: 19 Sep 2022 19:55

Instrument :
MSVOA_D
ClientSampleId :
SP-4

Tgt Ion: 75 Resp: 30375
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.969 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.106 min
Lab File: VD074356.D
Acq: 19 Sep 2022 19:55

Tgt Ion: 75 Resp: 30375
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

