

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091322\
 Data File : VD074269.D
 Acq On : 13 Sep 2022 16:46
 Operator : VA/SY
 Sample : N4561-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11976

Quant Time: Sep 14 01:56:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 04:45:19 2022
 Response via : Initial Calibration

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

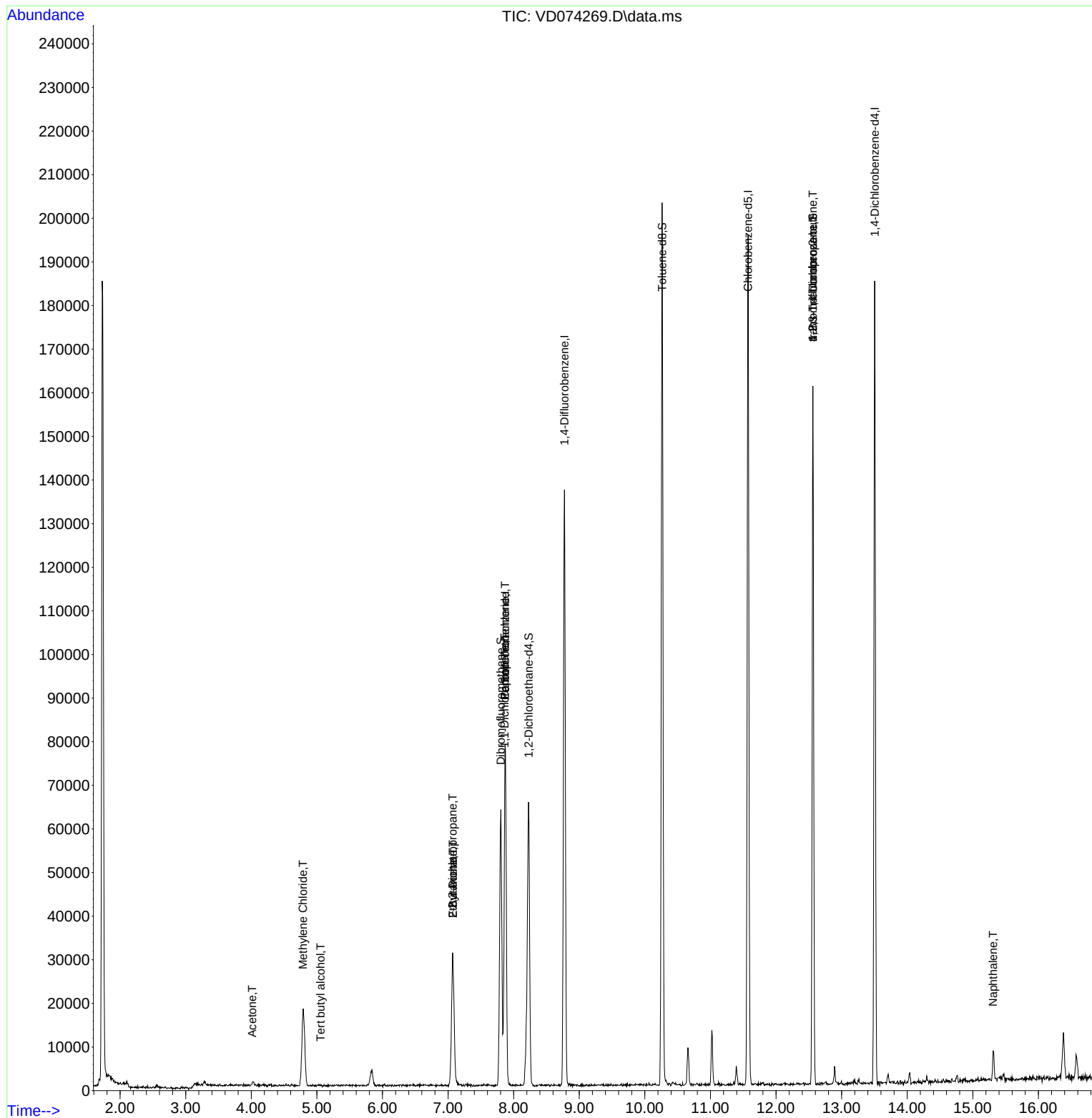
Internal Standards						
1) Pentafluorobenzene	7.869	168	62848	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	120123	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	113446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.504	152	49173	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	48979	76.441	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 152.880%	
35) Dibromofluoromethane	7.805	113	45750	57.400	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.800%	
50) Toluene-d8	10.263	98	139622	47.417	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 94.840%	
62) 4-Bromofluorobenzene	12.563	95	46365	44.295	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 88.600%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.058	59	112	2.143	ug/l #	74
16) Acetone	4.016	43	623	4.711	ug/l	89
20) Methylene Chloride	4.787	84	13643	12.368	ug/l	94
25) 2-Butanone	7.075	43	1670	7.571	ug/l	98
26) 2,2-Dichloropropane	7.069	77	1843	1.499	ug/l #	53
36) 1,1-Dichloropropene	7.863	75	4950	3.807	ug/l #	46
37) Ethyl Acetate	7.075	43	1670	2.962	ug/l #	1
38) Carbon Tetrachloride	7.869	117	6145	5.224	ug/l #	11
76) 1,2,3-Trichloropropane	12.563	75	24648	48.895	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.563	75	24648	120.554	ug/l #	100
95) Naphthalene	15.310	128	6359	3.040	ug/l	99

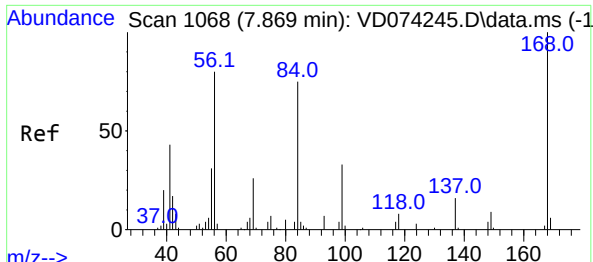
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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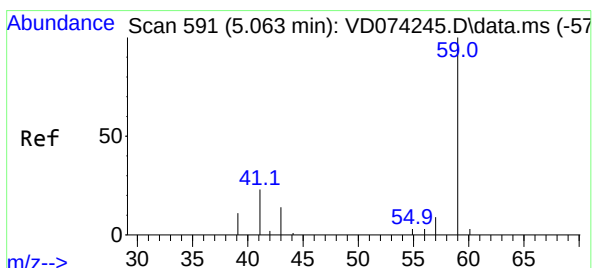
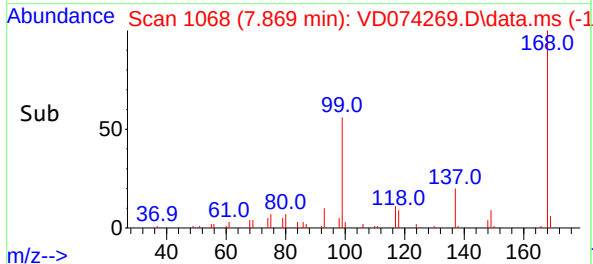
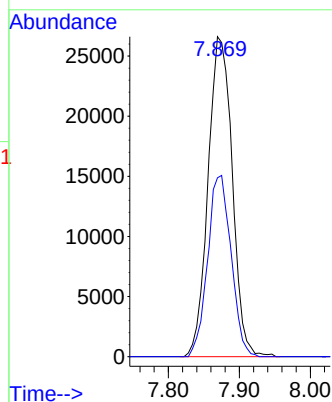
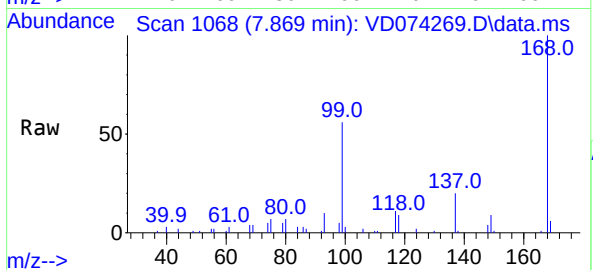




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VD074269.D
Acq: 13 Sep 2022 16:46

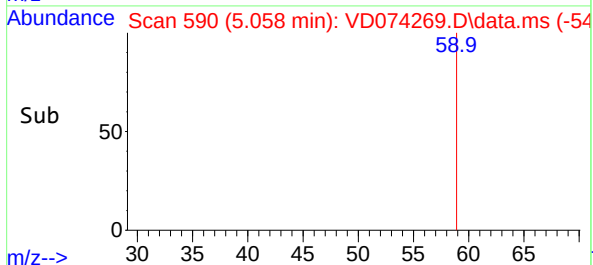
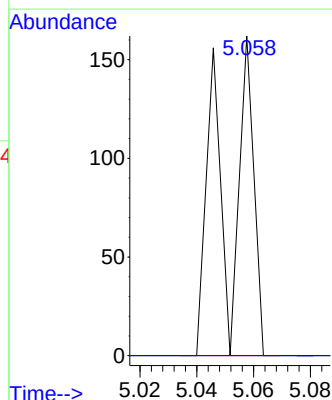
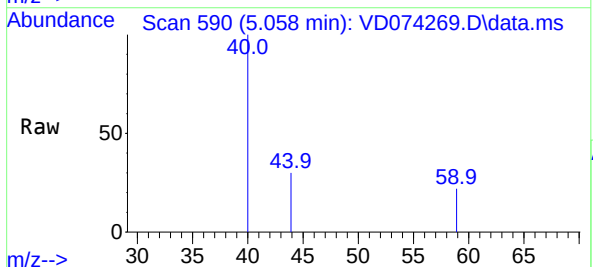
Instrument :
MSVOA_D
ClientSampleId :
72-11976

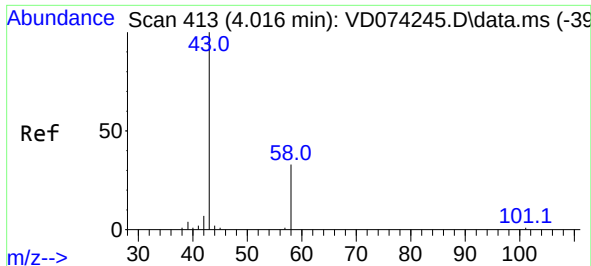
Tgt Ion:168 Resp: 62848
Ion Ratio Lower Upper
168 100
99 55.9 43.0 64.6



#11
Tert butyl alcohol
Concen: 2.143 ug/l
RT: 5.058 min Scan# 590
Delta R.T. -0.006 min
Lab File: VD074269.D
Acq: 13 Sep 2022 16:46

Tgt Ion: 59 Resp: 112
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

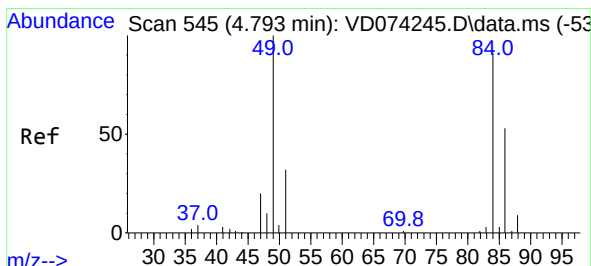
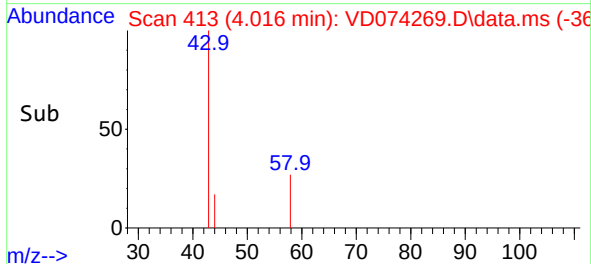
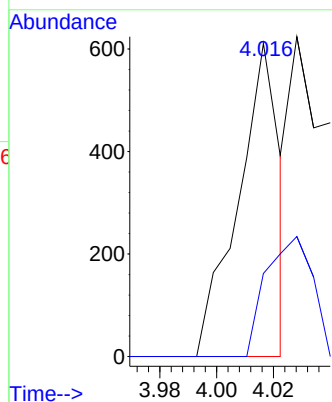
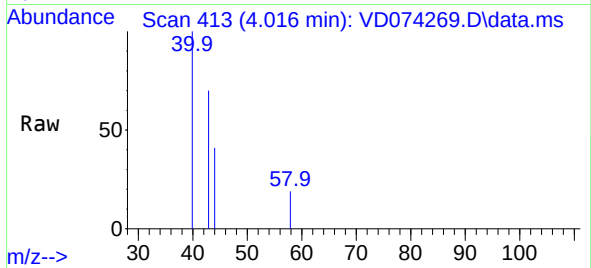




#16
Acetone
Concen: 4.711 ug/l
RT: 4.016 min Scan# 413
Delta R.T. 0.000 min
Lab File: VD074269.D
Acq: 13 Sep 2022 16:46

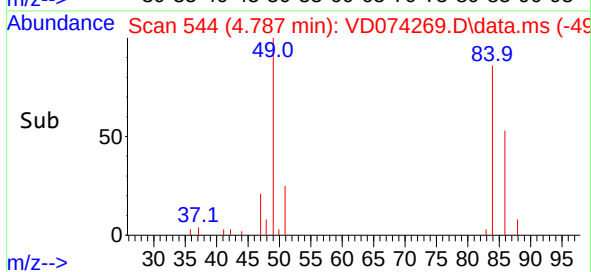
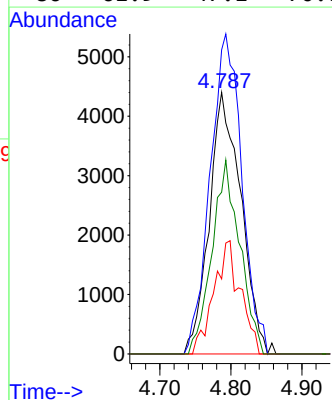
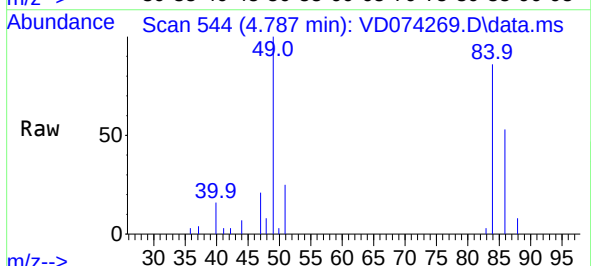
Instrument :
MSVOA_D
ClientSampleId :
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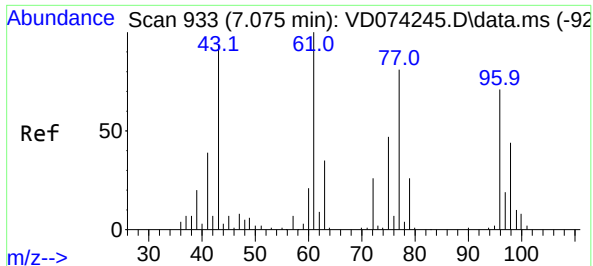
Tgt Ion: 43 Resp: 623
Ion Ratio Lower Upper
43 100
58 26.5 26.4 39.6



#20
Methylene Chloride
Concen: 12.368 ug/l
RT: 4.787 min Scan# 544
Delta R.T. -0.006 min
Lab File: VD074269.D
Acq: 13 Sep 2022 16:46

Tgt Ion: 84 Resp: 13643
Ion Ratio Lower Upper
84 100
49 116.3 88.4 132.6
51 28.7 28.0 42.0
86 61.9 47.1 70.7

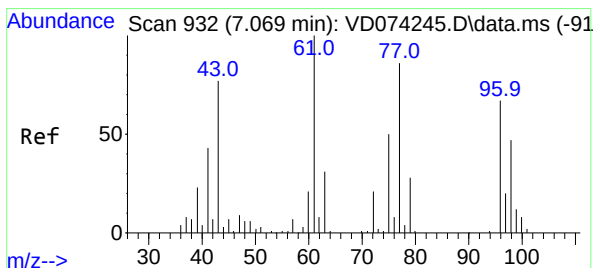
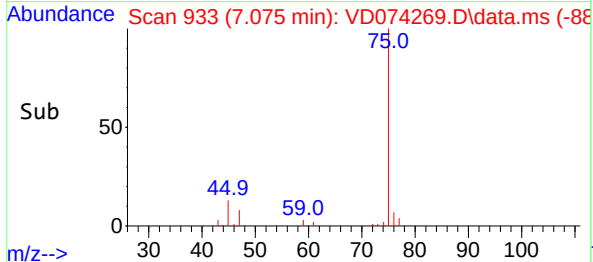
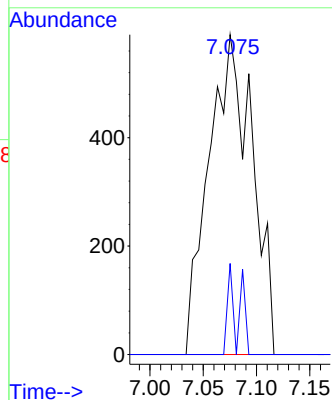
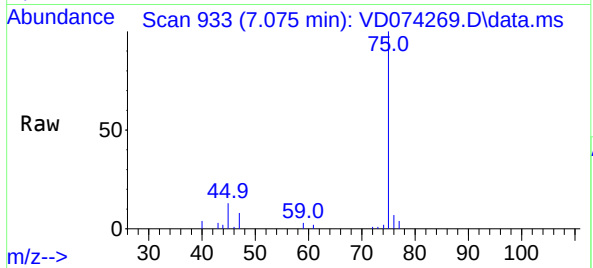




#25
2-Butanone
Concen: 7.571 ug/l
RT: 7.075 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD074269.D
Acq: 13 Sep 2022 16:46

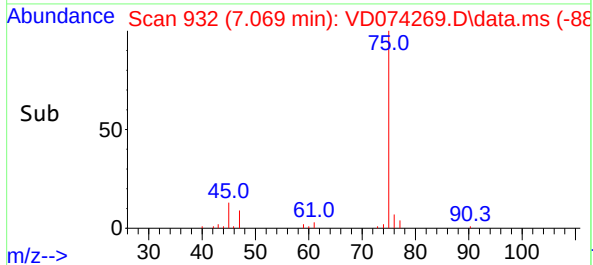
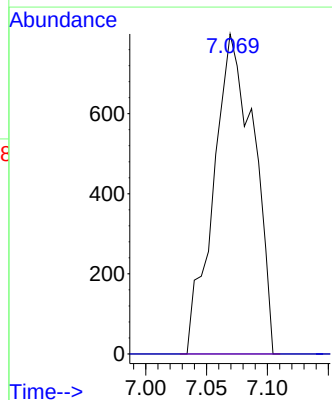
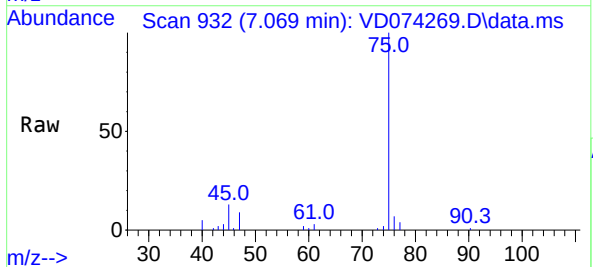
Instrument :
MSVOA_D
ClientSampleId :
72-11976

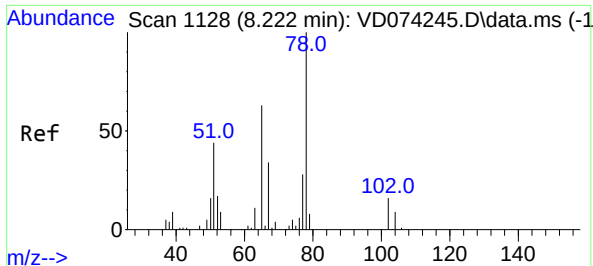
Tgt Ion: 43 Resp: 1670
Ion Ratio Lower Upper
43 100
72 28.5 21.8 32.6



#26
2,2-Dichloropropane
Concen: 1.499 ug/l
RT: 7.069 min Scan# 932
Delta R.T. 0.000 min
Lab File: VD074269.D
Acq: 13 Sep 2022 16:46

Tgt Ion: 77 Resp: 1843
Ion Ratio Lower Upper
77 100
97 0.0 11.5 34.4#

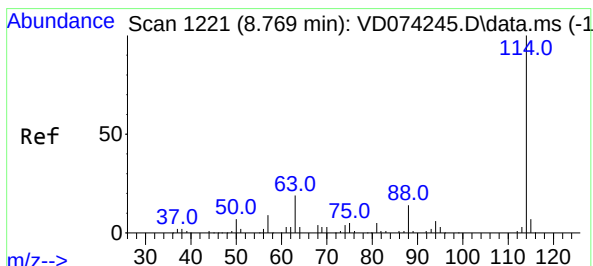
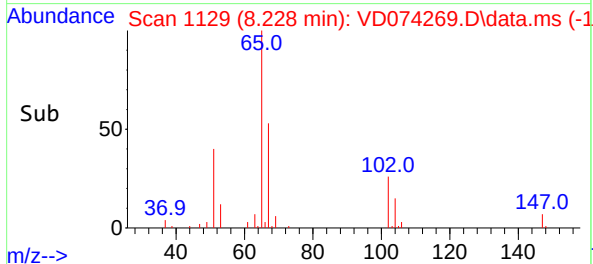
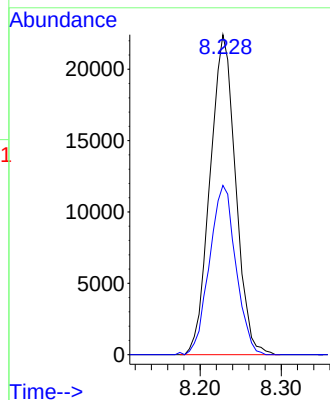
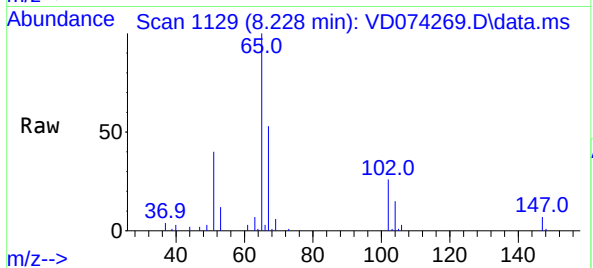




#33
1,2-Dichloroethane-d4
Concen: 76.441 ug/l
RT: 8.228 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VD074269.D
Acq: 13 Sep 2022 16:46

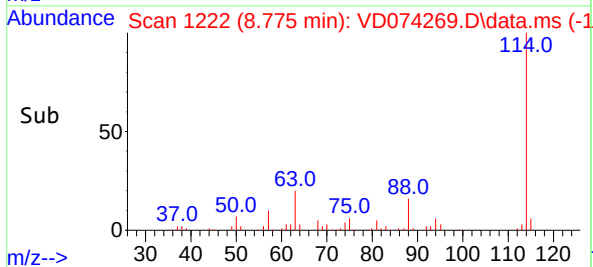
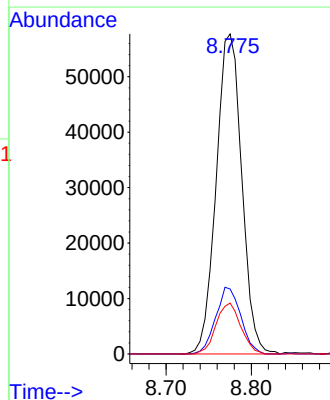
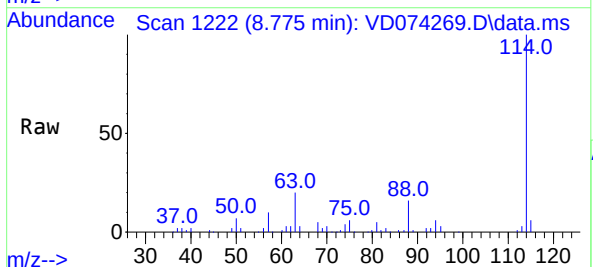
Instrument :
MSVOA_D
ClientSampleId :
72-11976

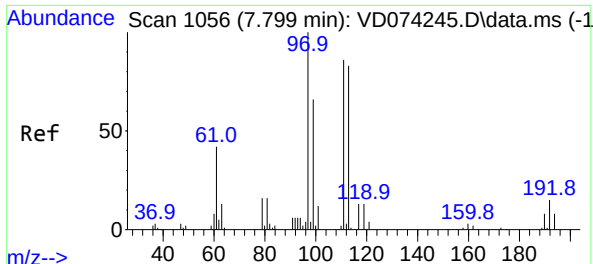
Tgt Ion: 65 Resp: 48979
Ion Ratio Lower Upper
65 100
67 54.7 0.0 110.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 1222
Delta R.T. 0.006 min
Lab File: VD074269.D
Acq: 13 Sep 2022 16:46

Tgt Ion: 114 Resp: 120123
Ion Ratio Lower Upper
114 100
63 20.3 0.0 37.6
88 15.9 0.0 28.4

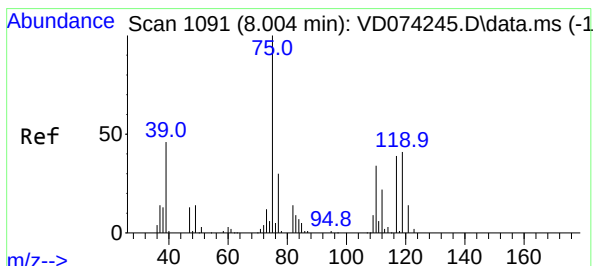
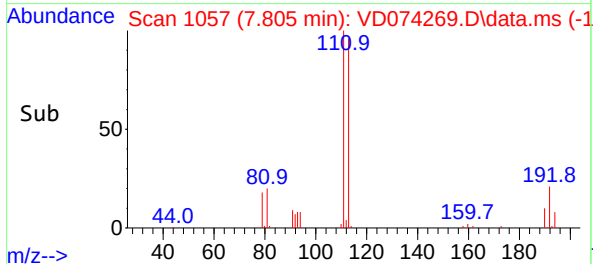
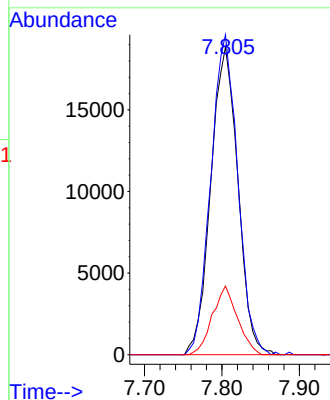
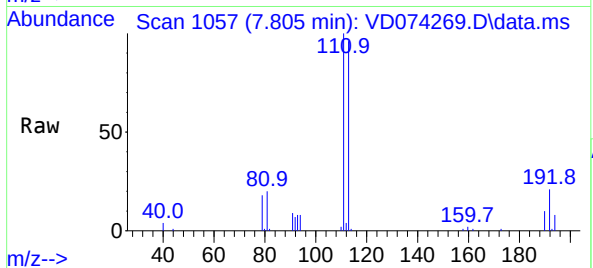




#35
Dibromofluoromethane
Concen: 57.400 ug/l
RT: 7.805 min Scan# 1056
Delta R.T. 0.005 min
Lab File: VD074269.D
Acq: 13 Sep 2022 16:46

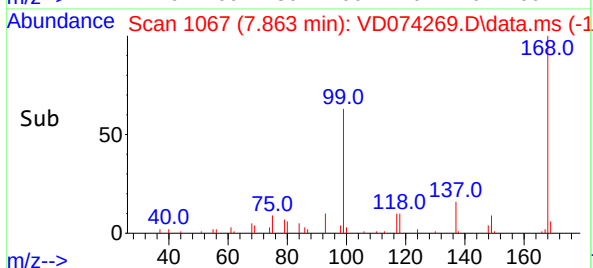
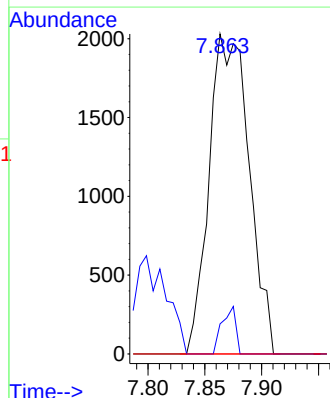
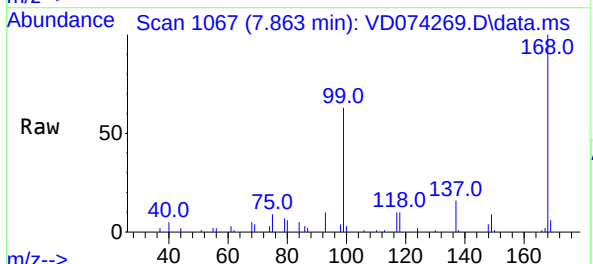
Instrument :
MSVOA_D
ClientSampleId :
72-11976

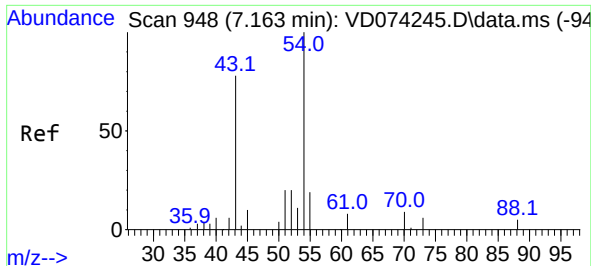
Tgt Ion:113 Resp: 45750
Ion Ratio Lower Upper
113 100
111 103.4 83.0 124.6
192 20.7 16.2 24.2



#36
1,1-Dichloropropene
Concen: 3.807 ug/l
RT: 7.863 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VD074269.D
Acq: 13 Sep 2022 16:46

Tgt Ion: 75 Resp: 4950
Ion Ratio Lower Upper
75 100
110 5.1 17.5 52.5#
77 0.0 24.8 37.2#

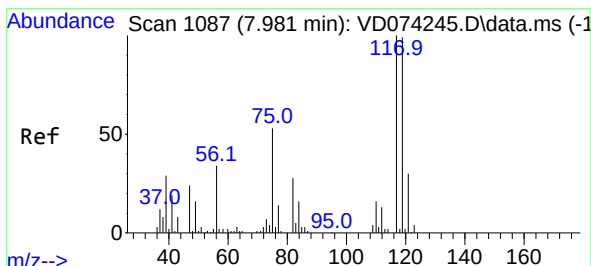
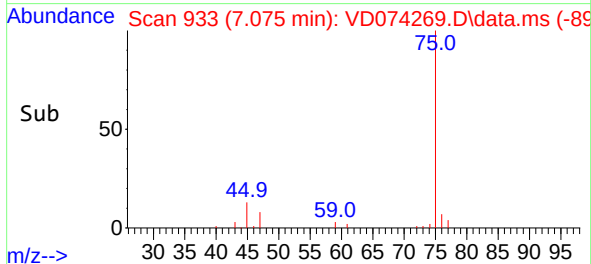
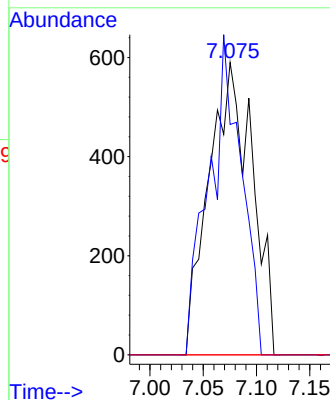
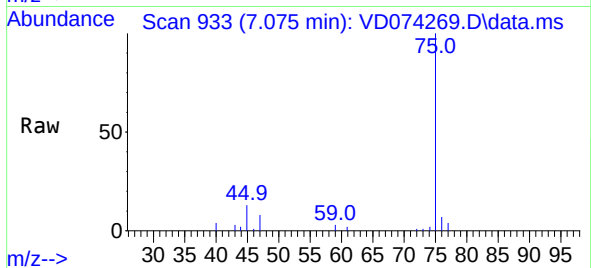




#37
Ethyl Acetate
Concen: 2.962 ug/l
RT: 7.075 min Scan# 91
Delta R.T. -0.088 min
Lab File: VD074269.D
Acq: 13 Sep 2022 16:46

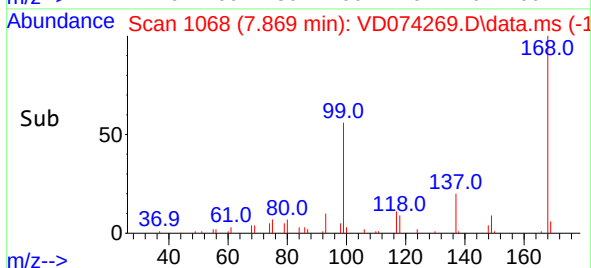
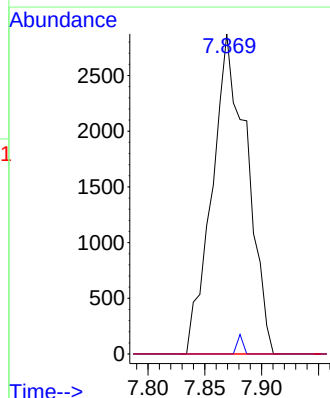
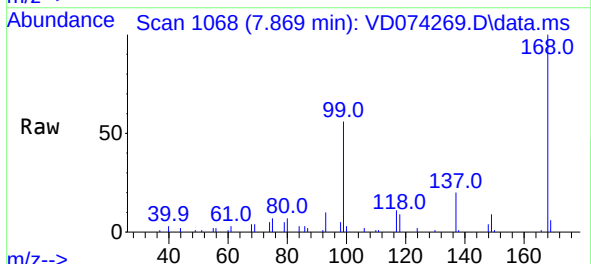
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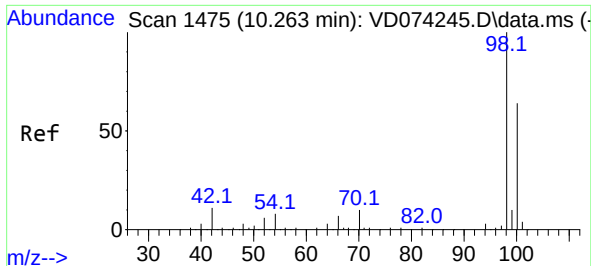
Tgt Ion: 43 Resp: 1670
Ion Ratio Lower Upper
43 100
61 81.9 12.1 18.1#
70 0.0 8.5 12.7#



#38
Carbon Tetrachloride
Concen: 5.224 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.112 min
Lab File: VD074269.D
Acq: 13 Sep 2022 16:46

Tgt Ion: 117 Resp: 6145
Ion Ratio Lower Upper
117 100
119 0.0 78.8 118.2#
121 0.0 23.9 35.9#

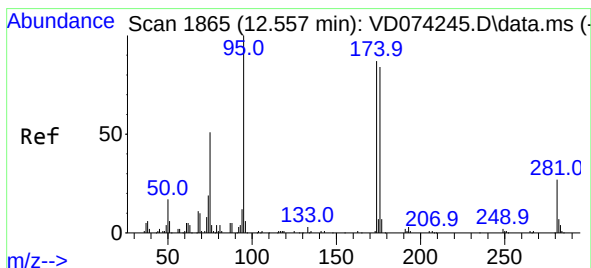
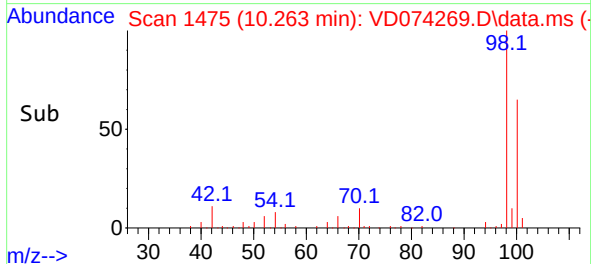
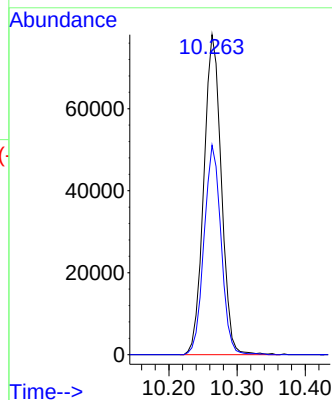
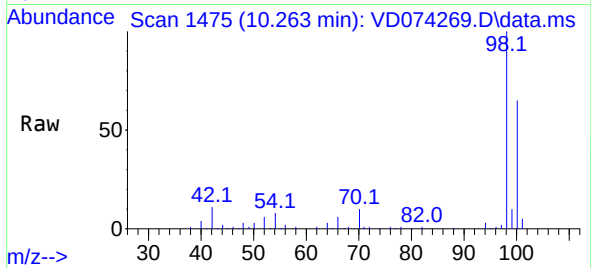




#50
Toluene-d8
Concen: 47.417 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VD074269.D
Acq: 13 Sep 2022 16:46

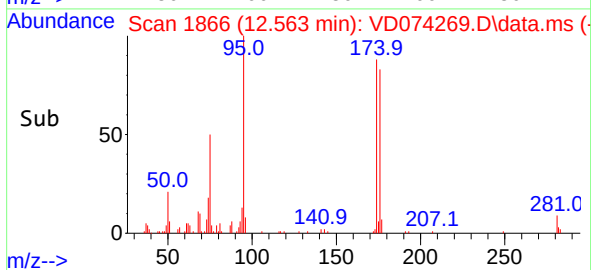
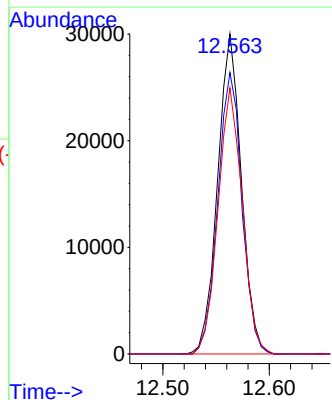
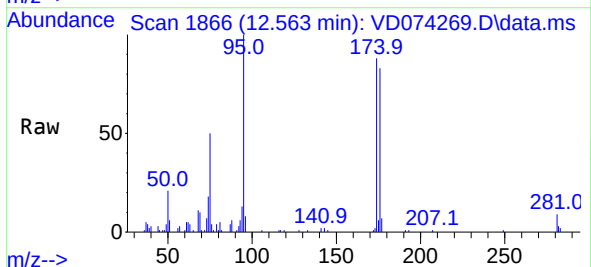
Instrument :
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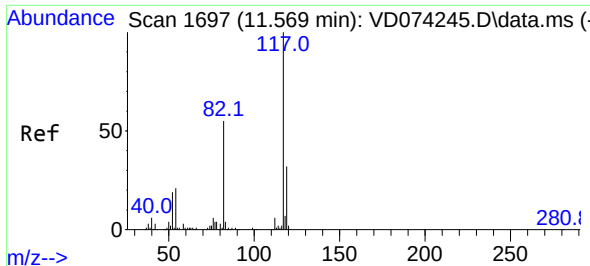
Tgt Ion: 98 Resp: 139622
Ion Ratio Lower Upper
98 100
100 63.7 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 44.295 ug/l
RT: 12.563 min Scan# 1866
Delta R.T. 0.006 min
Lab File: VD074269.D
Acq: 13 Sep 2022 16:46

Tgt Ion: 95 Resp: 46365
Ion Ratio Lower Upper
95 100
174 89.4 0.0 179.2
176 84.9 0.0 171.4

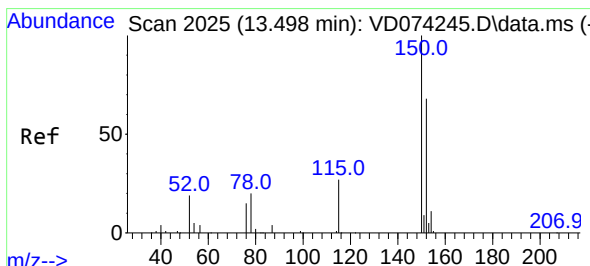
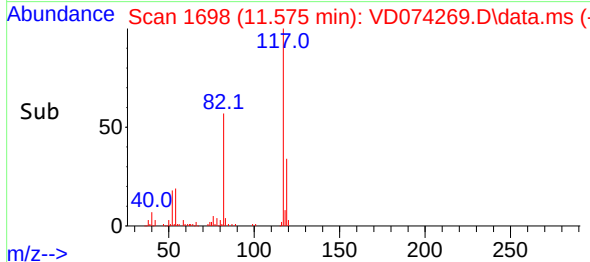
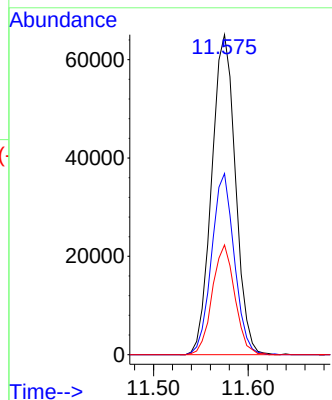
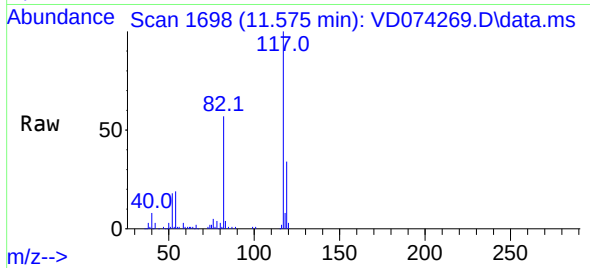




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.575 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD074269.D
Acq: 13 Sep 2022 16:46

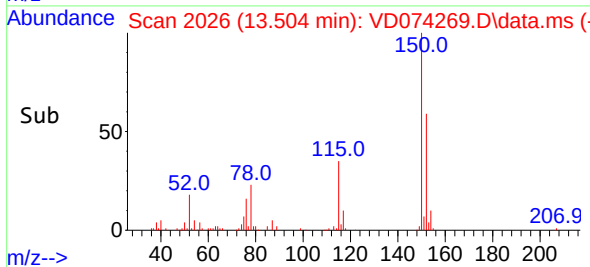
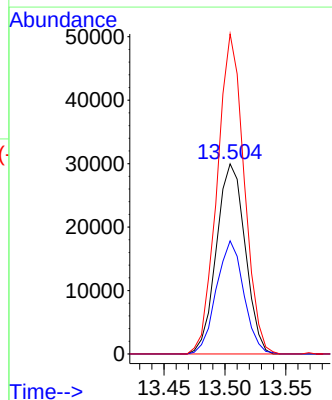
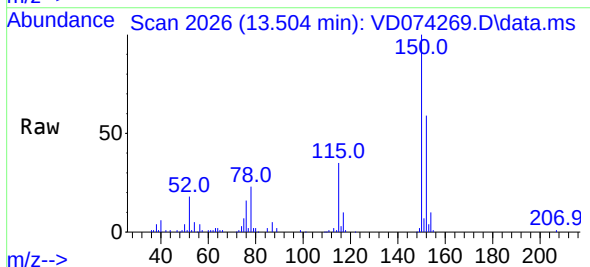
Instrument :
MSVOA_D
ClientSampleId :
72-11976

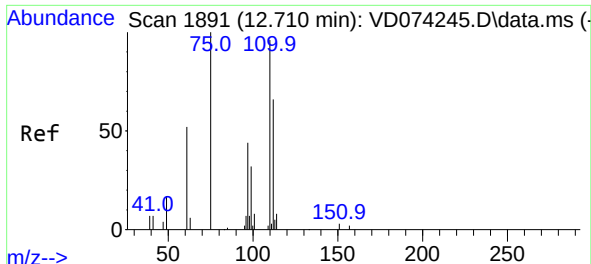
Tgt Ion:	117	Resp:	113446
Ion	Ratio	Lower	Upper
117	100		
82	56.6	44.2	66.2
119	34.3	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.504 min Scan# 2026
Delta R.T. 0.006 min
Lab File: VD074269.D
Acq: 13 Sep 2022 16:46

Tgt Ion:	152	Resp:	49173
Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.4	85.2
150	158.6	0.0	351.0

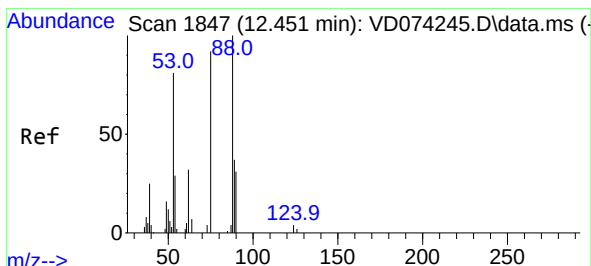
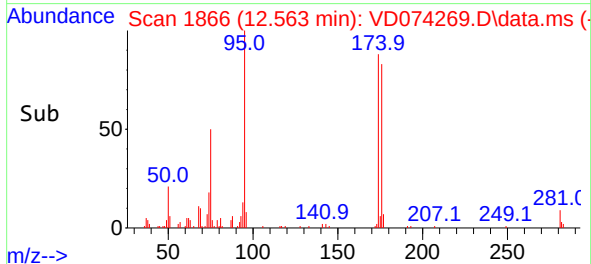
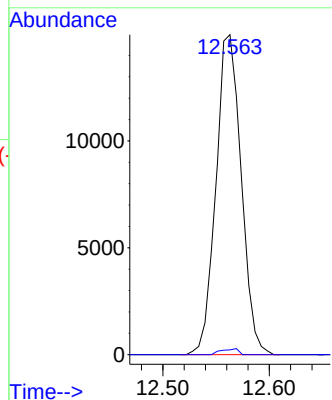
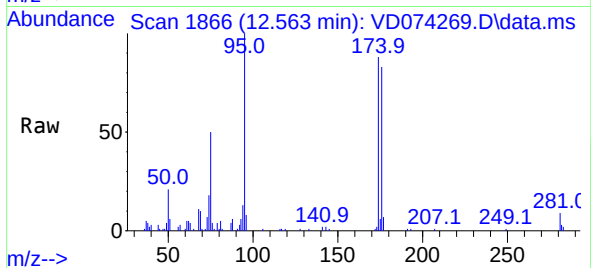




#76
1,2,3-Trichloropropane
Concen: 48.895 ug/l
RT: 12.563 min Scan# 1866
Delta R.T. -0.147 min
Lab File: VD074269.D
Acq: 13 Sep 2022 16:46

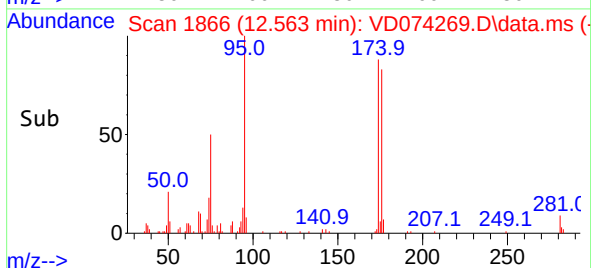
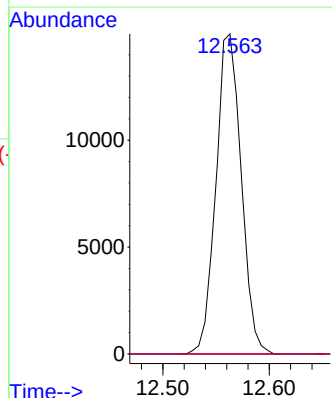
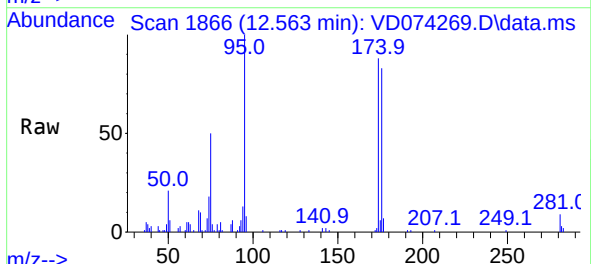
Instrument :
MSVOA_D
ClientSampleId :
72-11976

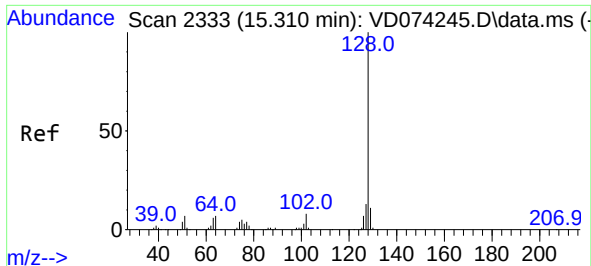
Tgt Ion: 75 Resp: 24648
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 120.554 ug/l
RT: 12.563 min Scan# 1866
Delta R.T. 0.112 min
Lab File: VD074269.D
Acq: 13 Sep 2022 16:46

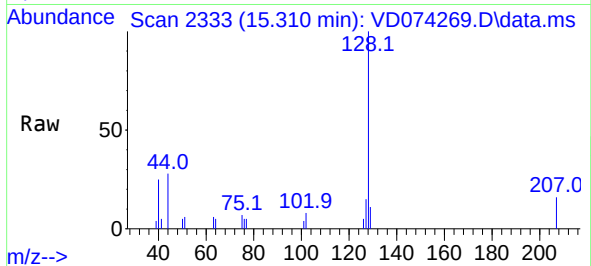
Tgt Ion: 75 Resp: 24648
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0





#95
Naphthalene
Concen: 3.040 ug/l
RT: 15.310 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD074269.D
Acq: 13 Sep 2022 16:46

Instrument :
MSVOA_D
ClientSampleId :
72-11976



Tgt Ion:	128	Resp:	6359
Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.9	16.3
129	10.9	8.8	13.2

