

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091422\
 Data File : VD074281.D
 Acq On : 14 Sep 2022 13:29
 Operator : VA/SY
 Sample : VD0914SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 15 04:13:25 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)

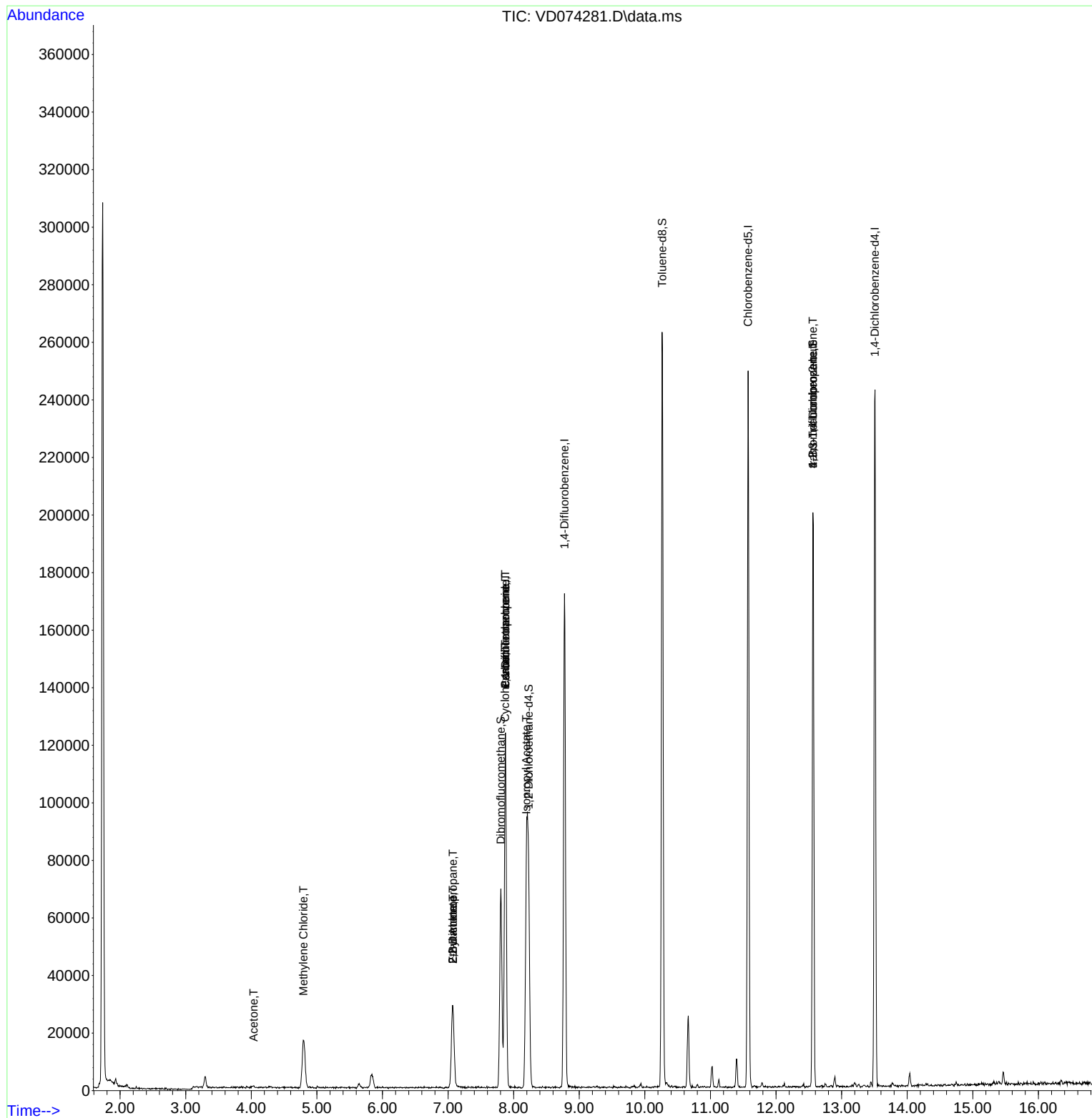
Internal Standards						
1) Pentafluorobenzene	7.875	168	90648	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	155416	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	138157	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.504	152	66415	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	47421	51.312	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.620%	
35) Dibromofluoromethane	7.804	113	48672	46.571	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 93.140%	
50) Toluene-d8	10.263	98	186123	48.855	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.700%	
62) 4-Bromofluorobenzene	12.563	95	58941	43.383	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 86.760%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	1844	Below Cal	83	
16) Acetone	4.034	43	1105	5.793	ug/l #	42
20) Methylene Chloride	4.793	84	13419	6.235	ug/l	95
25) 2-Butanone	7.075	43	1711	5.378	ug/l #	48
26) 2,2-Dichloropropane	7.075	77	2276	1.284	ug/l #	53
31) Cyclohexane	7.869	56	2260	1.183	ug/l #	35
36) 1,1-Dichloropropene	7.875	75	7343	4.365	ug/l #	49
37) Ethyl Acetate	7.075	43	1711	2.346	ug/l #	21
38) Carbon Tetrachloride	7.875	117	8805	5.785	ug/l #	15
43) Isopropyl Acetate	8.193	43	2144	1.522	ug/l #	13
76) 1,2,3-Trichloropropane	12.563	75	31032	45.578	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.563	75	31032	112.376	ug/l #	100

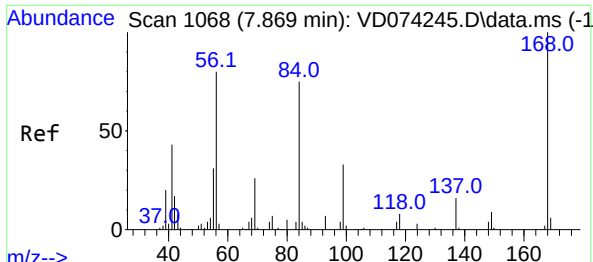
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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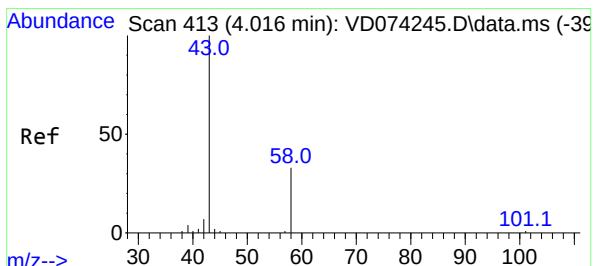
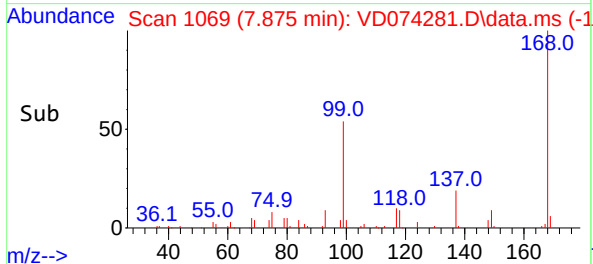
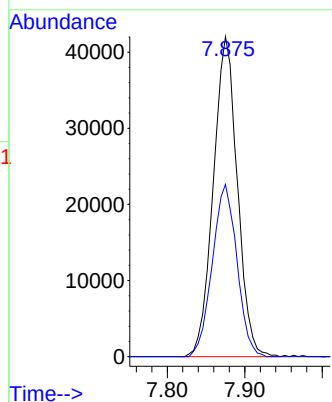
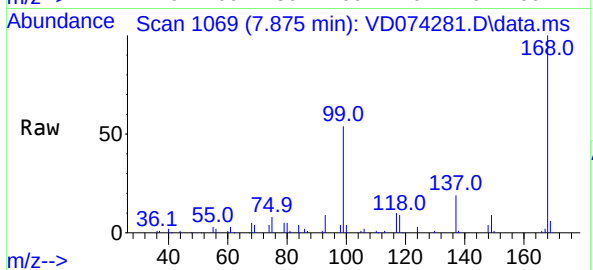




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1068
Delta R.T. 0.006 min
Lab File: VD074281.D
Acq: 14 Sep 2022 13:29

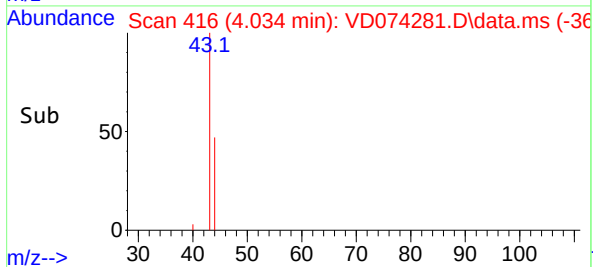
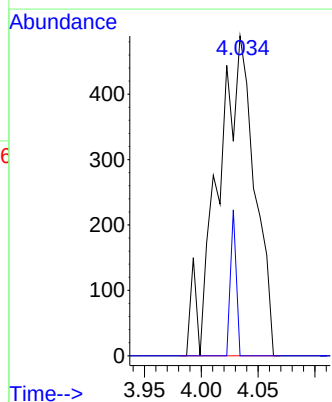
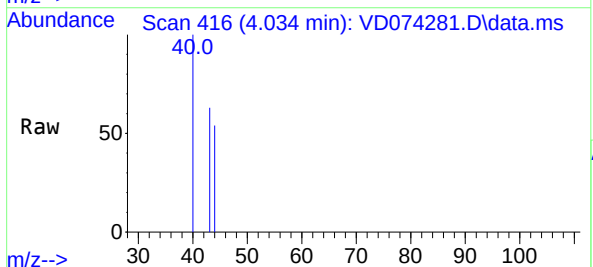
Instrument :
MSVOA_D
ClientSampleId :

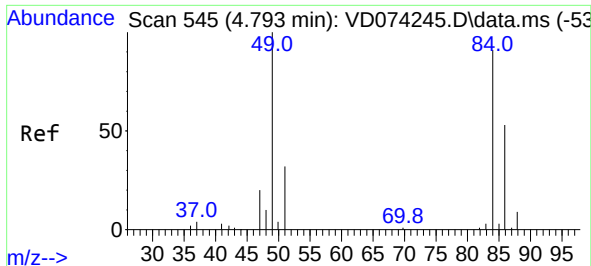
Tgt Ion:168 Resp: 90648
Ion Ratio Lower Upper
168 100
99 53.9 43.0 64.6



#16
Acetone
Concen: 5.793 ug/l
RT: 4.034 min Scan# 416
Delta R.T. 0.018 min
Lab File: VD074281.D
Acq: 14 Sep 2022 13:29

Tgt Ion: 43 Resp: 1105
Ion Ratio Lower Upper
43 100
58 0.0 26.4 39.6#





#20

Methylene Chloride

Concen: 6.235 ug/l

RT: 4.793 min Scan# 545

Delta R.T. -0.000 min

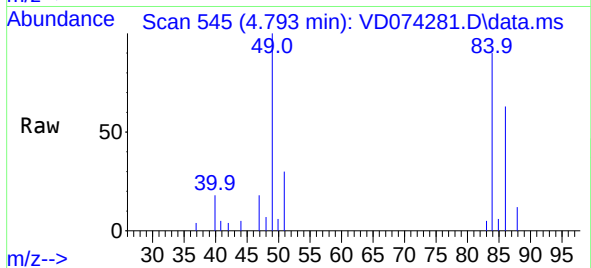
Lab File: VD074281.D

Acq: 14 Sep 2022 13:29

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 84 Resp: 13419

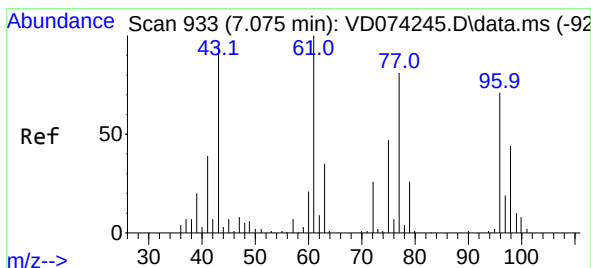
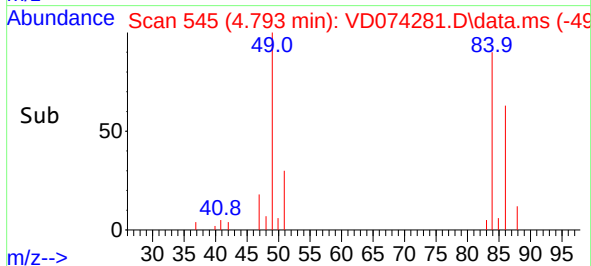
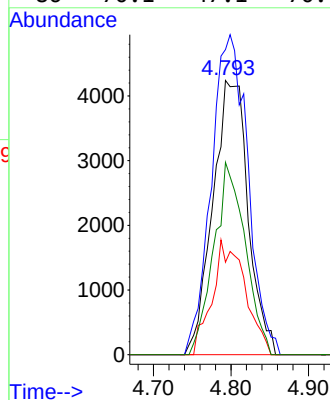
Ion Ratio Lower Upper

84 100

49 111.2 88.4 132.6

51 33.7 28.0 42.0

86 70.1 47.1 70.7



#25

2-Butanone

Concen: 5.378 ug/l

RT: 7.075 min Scan# 933

Delta R.T. -0.000 min

Lab File: VD074281.D

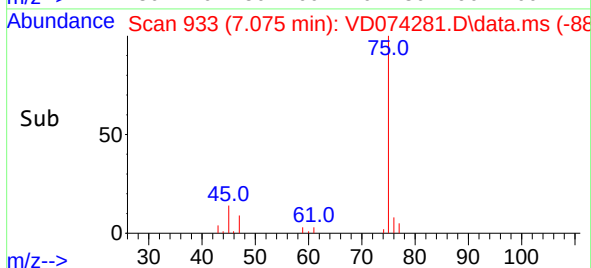
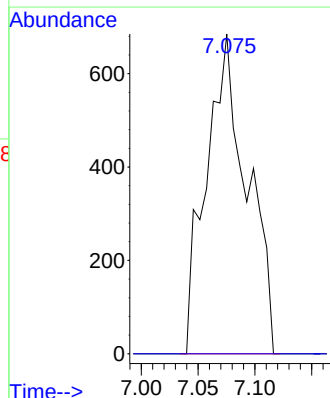
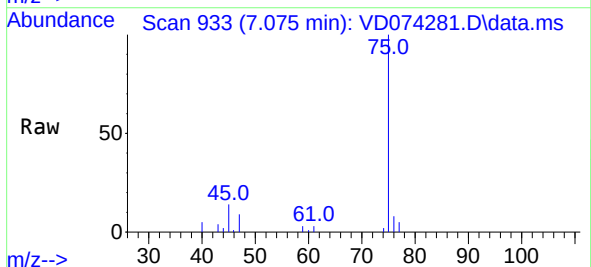
Acq: 14 Sep 2022 13:29

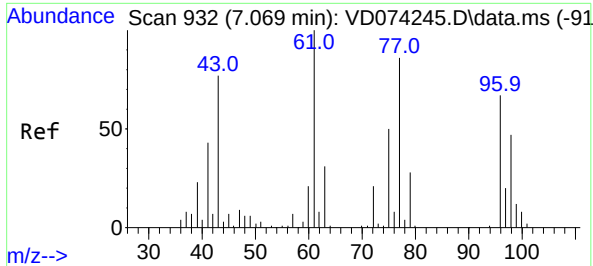
Tgt Ion: 43 Resp: 1711

Ion Ratio Lower Upper

43 100

72 0.0 21.8 32.6#

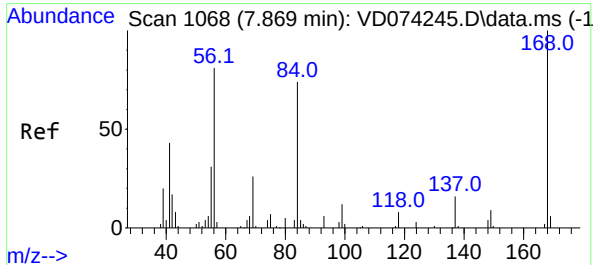
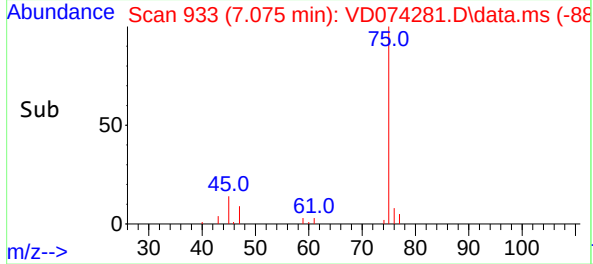
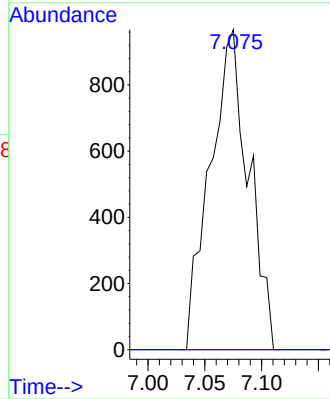
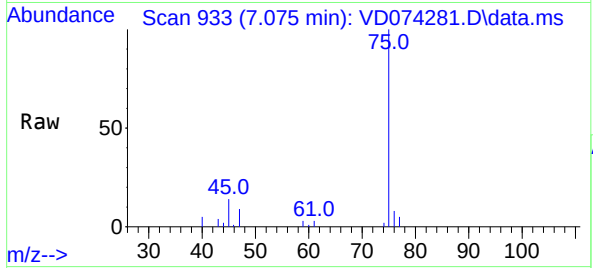




#26
2,2-Dichloropropane
Concen: 1.284 ug/l
RT: 7.075 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD074281.D
Acq: 14 Sep 2022 13:29

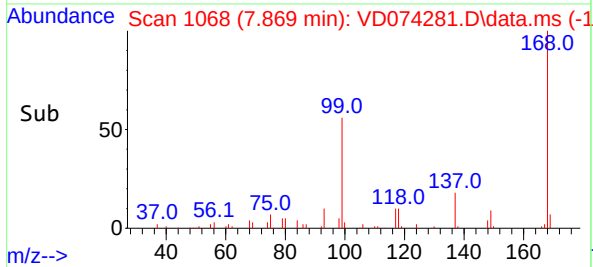
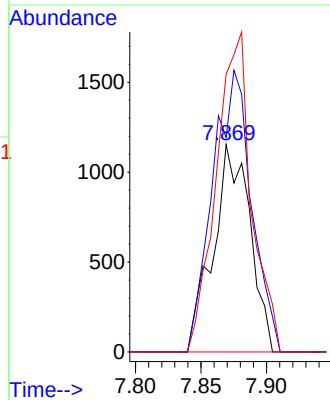
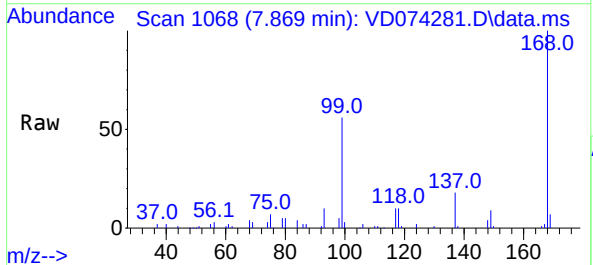
Instrument :
MSVOA_D
ClientSampleId :

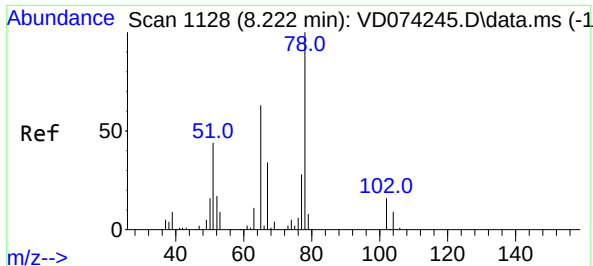
Tgt Ion: 77 Resp: 2276
Ion Ratio Lower Upper
77 100
97 0.0 11.5 34.4#



#31
Cyclohexane
Concen: 1.183 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VD074281.D
Acq: 14 Sep 2022 13:29

Tgt Ion: 56 Resp: 2260
Ion Ratio Lower Upper
56 100
69 103.5 25.7 38.5#
84 133.8 73.9 110.9#





#33

1,2-Dichloroethane-d4

Concen: 51.312 ug/l

RT: 8.228 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VD074281.D

Acq: 14 Sep 2022 13:29

Instrument :

MSVOA_D

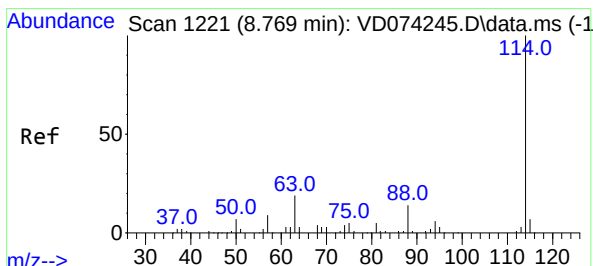
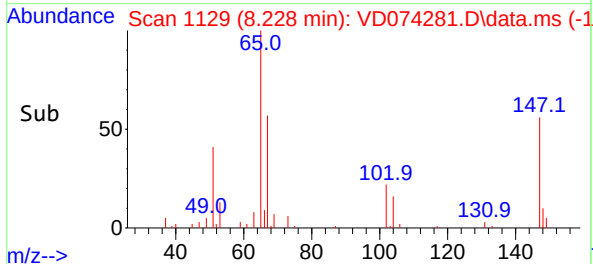
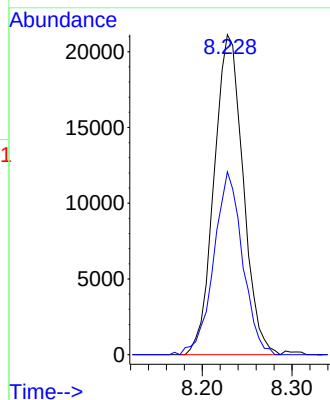
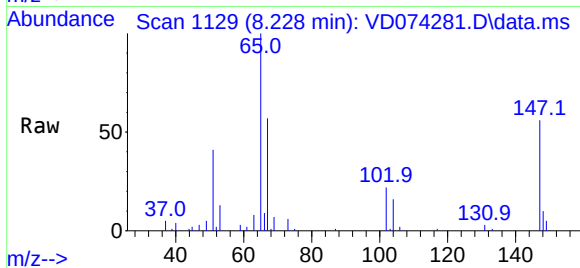
ClientSampleId :

Tgt Ion: 65 Resp: 47421

Ion Ratio Lower Upper

65 100

67 56.7 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: VD074281.D

Acq: 14 Sep 2022 13:29

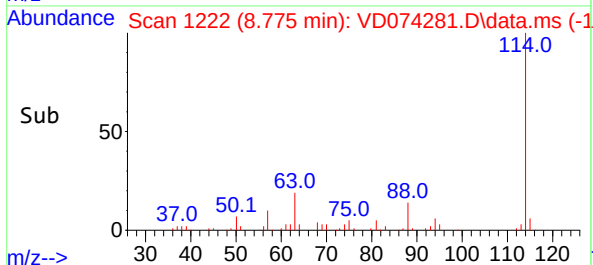
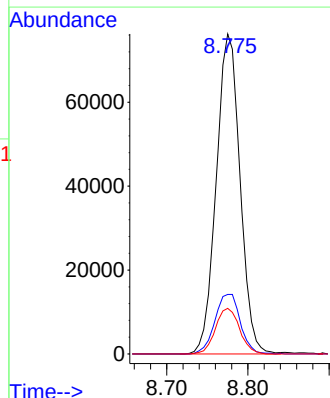
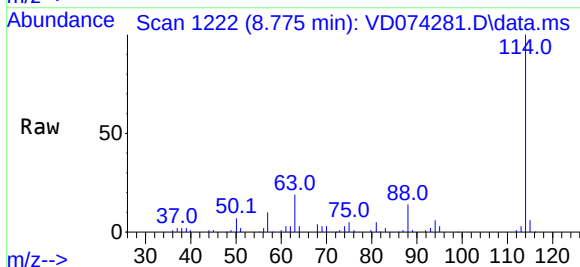
Tgt Ion: 114 Resp: 155416

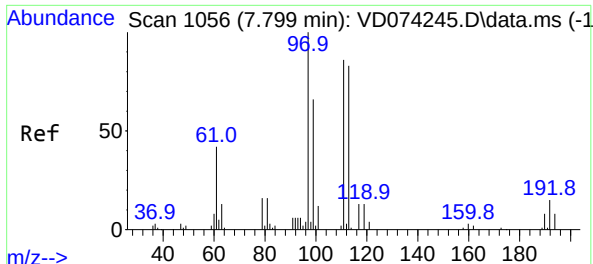
Ion Ratio Lower Upper

114 100

63 18.6 0.0 37.6

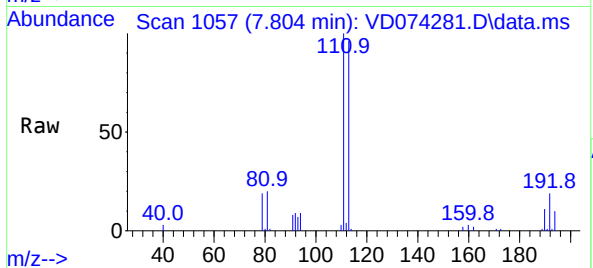
88 14.2 0.0 28.4



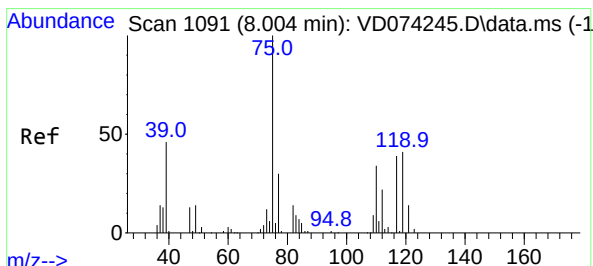
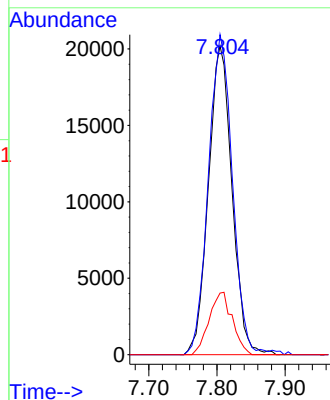
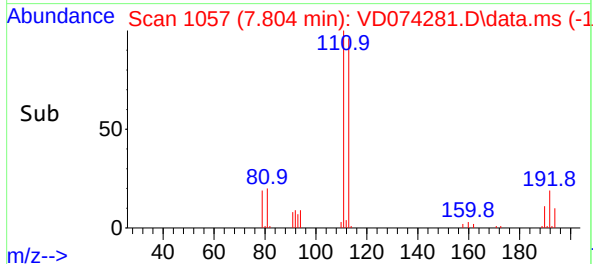


#35
Dibromofluoromethane
Concen: 46.571 ug/l
RT: 7.804 min Scan# 1069
Delta R.T. 0.005 min
Lab File: VD074281.D
Acq: 14 Sep 2022 13:29

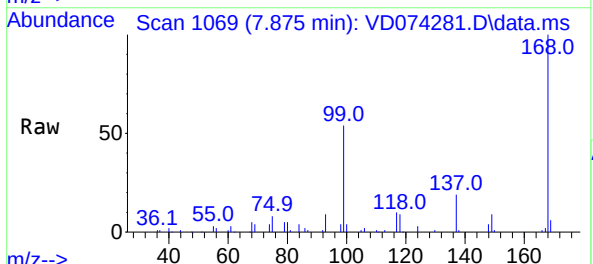
Instrument :
MSVOA_D
ClientSampleId :



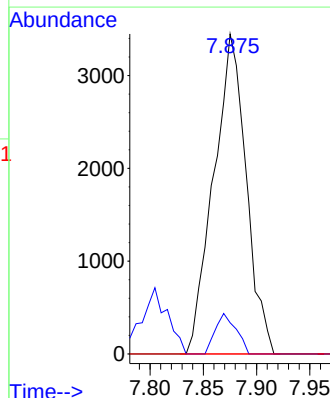
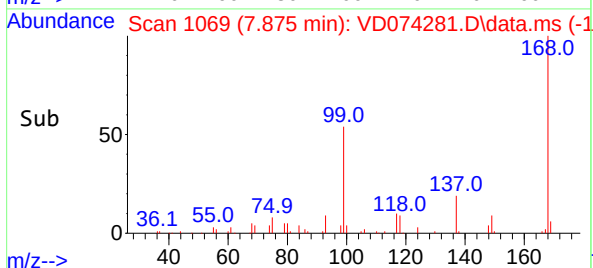
Tgt Ion:113 Resp: 48672
Ion Ratio Lower Upper
113 100
111 105.3 83.0 124.6
192 19.9 16.2 24.2

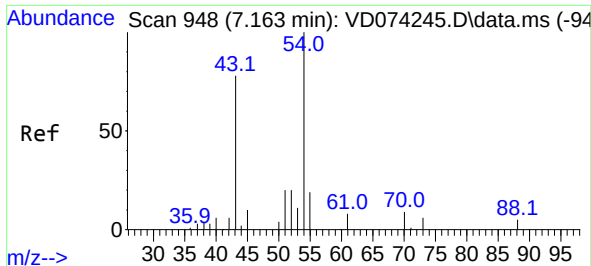


#36
1,1-Dichloropropene
Concen: 4.365 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD074281.D
Acq: 14 Sep 2022 13:29



Tgt Ion: 75 Resp: 7343
Ion Ratio Lower Upper
75 100
110 8.1 17.5 52.5#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 2.346 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.088 min

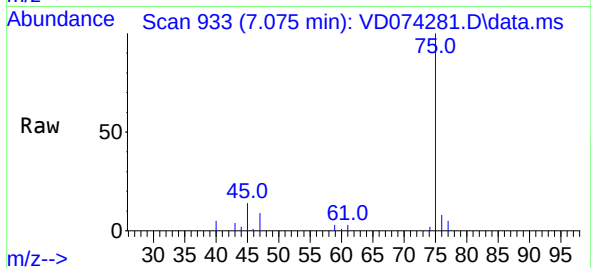
Lab File: VD074281.D

Acq: 14 Sep 2022 13:29

Instrument :

MSVOA_D

ClientSampleId :



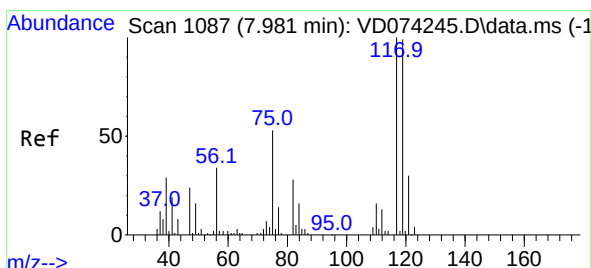
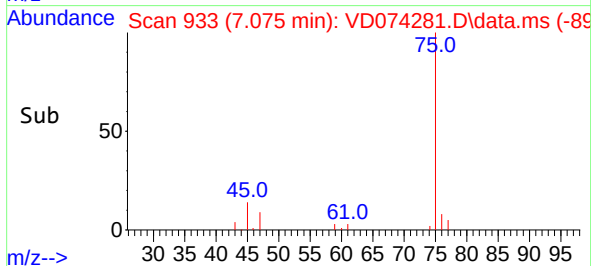
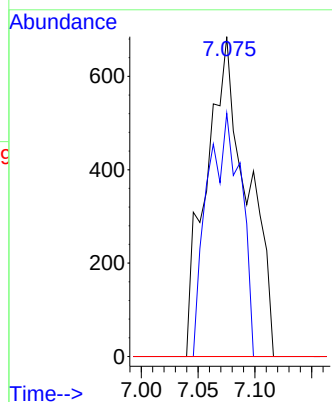
Tgt Ion: 43 Resp: 1711

Ion Ratio Lower Upper

43 100

61 62.6 12.1 18.1#

70 0.0 8.5 12.7#



#38

Carbon Tetrachloride

Concen: 5.785 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.106 min

Lab File: VD074281.D

Acq: 14 Sep 2022 13:29

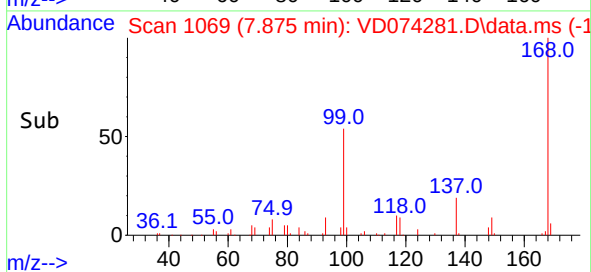
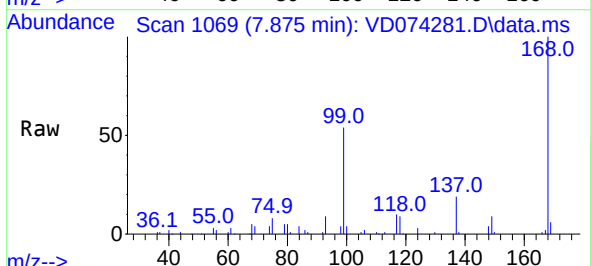
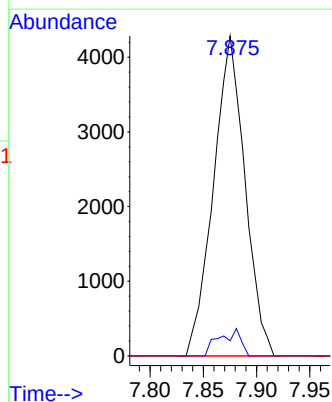
Tgt Ion: 117 Resp: 8805

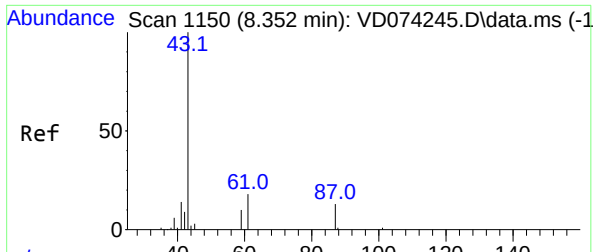
Ion Ratio Lower Upper

117 100

119 4.8 78.8 118.2#

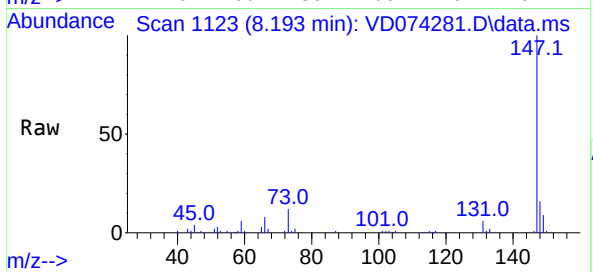
121 0.0 23.9 35.9#



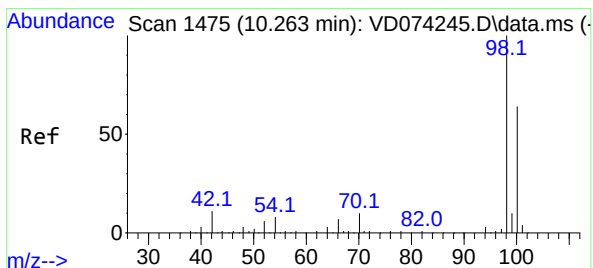
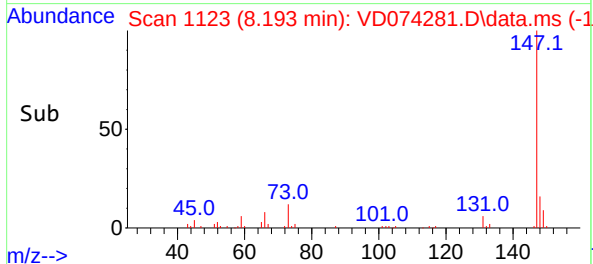
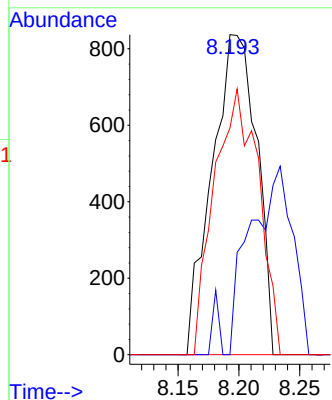


#43
Isopropyl Acetate
Concen: 1.522 ug/l
RT: 8.193 min Scan# 1150
Delta R.T. -0.159 min
Lab File: VD074281.D
Acq: 14 Sep 2022 13:29

Instrument :
MSVOA_D
ClientSampleId :

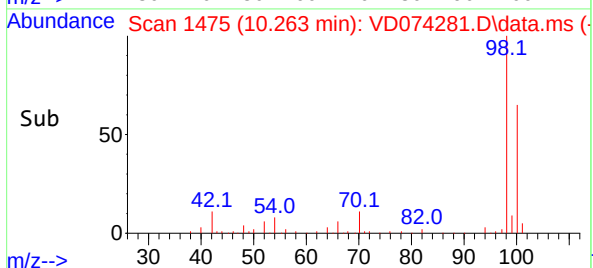
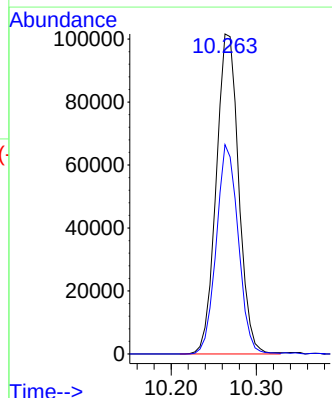
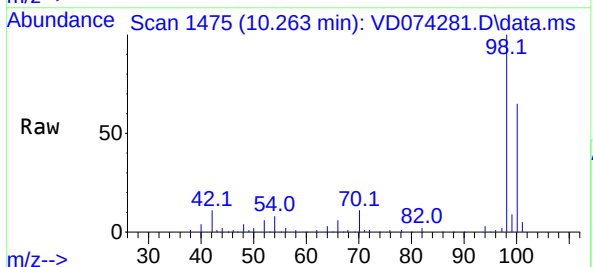


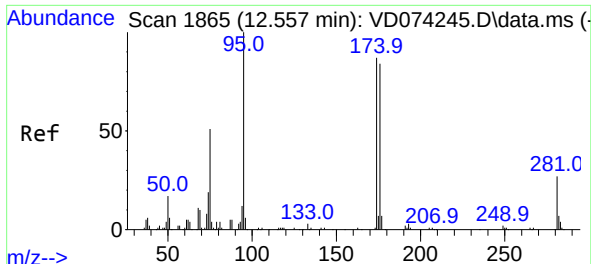
Tgt Ion: 43 Resp: 2144
Ion Ratio Lower Upper
43 100
61 2.8 24.5 36.7#
87 82.0 10.8 16.2#



#50
Toluene-d8
Concen: 48.855 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VD074281.D
Acq: 14 Sep 2022 13:29

Tgt Ion: 98 Resp: 186123
Ion Ratio Lower Upper
98 100
100 63.7 51.8 77.8

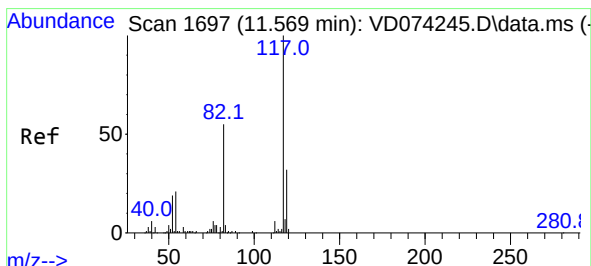
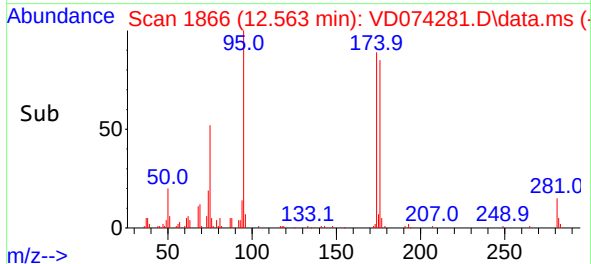
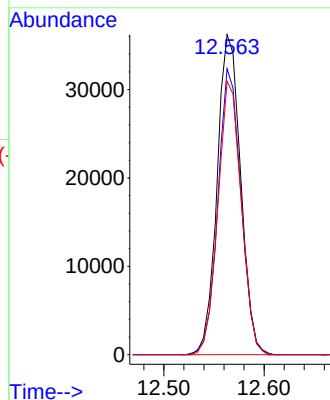
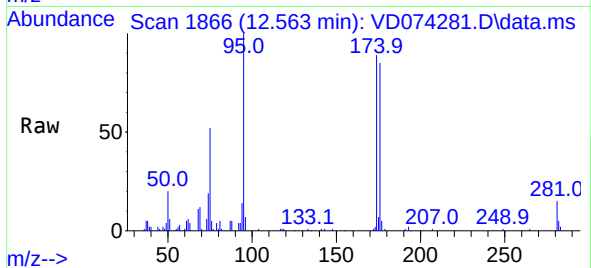




#62
4-Bromofluorobenzene
Concen: 43.383 ug/l
RT: 12.563 min Scan# 1866
Delta R.T. 0.006 min
Lab File: VD074281.D
Acq: 14 Sep 2022 13:29

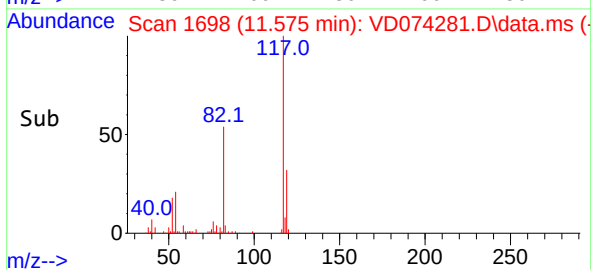
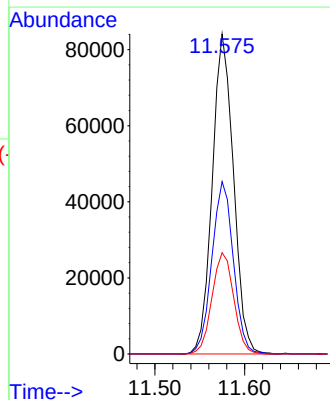
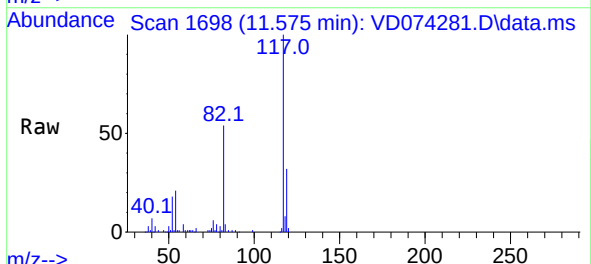
Instrument :
MSVOA_D
ClientSampleId :

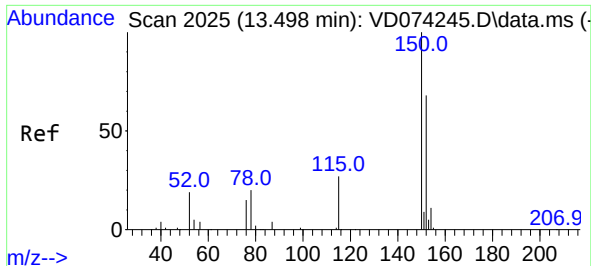
Tgt Ion: 95 Resp: 58941
Ion Ratio Lower Upper
95 100
174 87.0 0.0 179.2
176 84.7 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.575 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VD074281.D
Acq: 14 Sep 2022 13:29

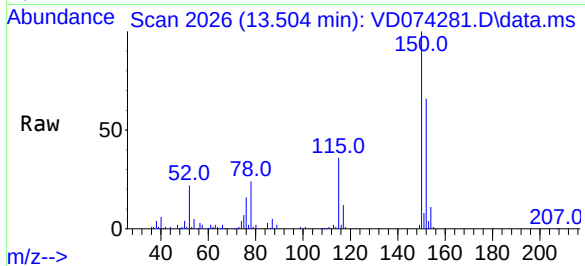
Tgt Ion: 117 Resp: 138157
Ion Ratio Lower Upper
117 100
82 53.9 44.2 66.2
119 31.7 25.4 38.0



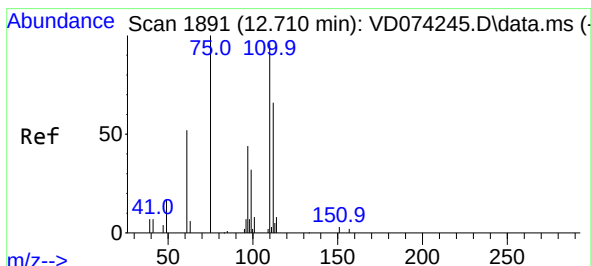
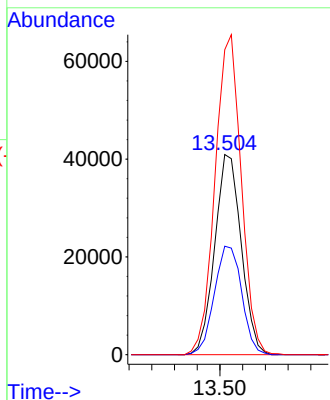
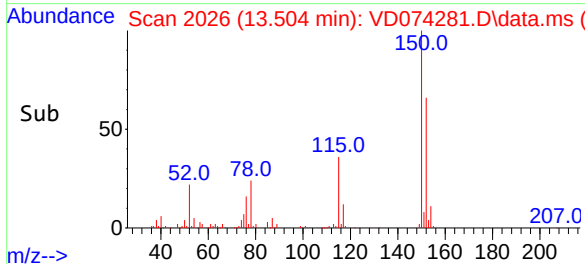


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.504 min Scan# 20
Delta R.T. 0.006 min
Lab File: VD074281.D
Acq: 14 Sep 2022 13:29

Instrument :
MSVOA_D
ClientSampleId :

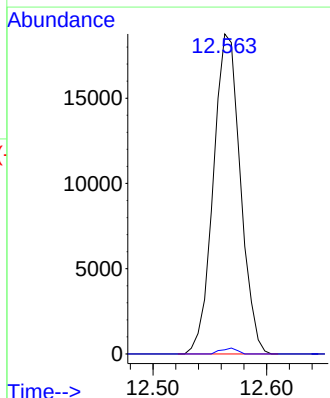
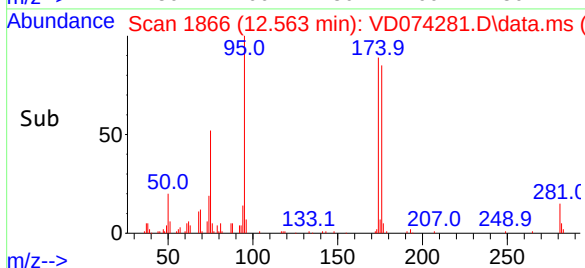
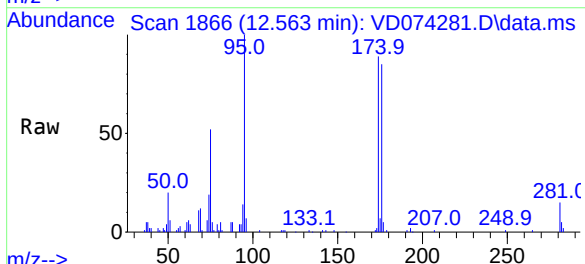


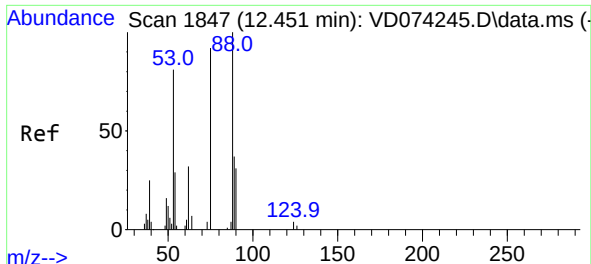
Tgt Ion:152 Resp: 66415
Ion Ratio Lower Upper
152 100
115 56.0 28.4 85.2
150 158.1 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 45.578 ug/l
RT: 12.563 min Scan# 1866
Delta R.T. -0.147 min
Lab File: VD074281.D
Acq: 14 Sep 2022 13:29

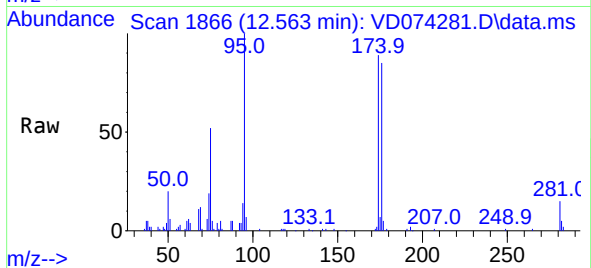
Tgt Ion: 75 Resp: 31032
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.376 ug/l
 RT: 12.563 min Scan# 1866
 Delta R.T. 0.112 min
 Lab File: VD074281.D
 Acq: 14 Sep 2022 13:29

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	31032
Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

