

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041923\
 Data File : VD075754.D
 Acq On : 19 Apr 2023 17:43
 Operator : KP/SY
 Sample : 02393-01
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 20 06:01:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 14:16:29 2023
 Response via : Initial Calibration

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

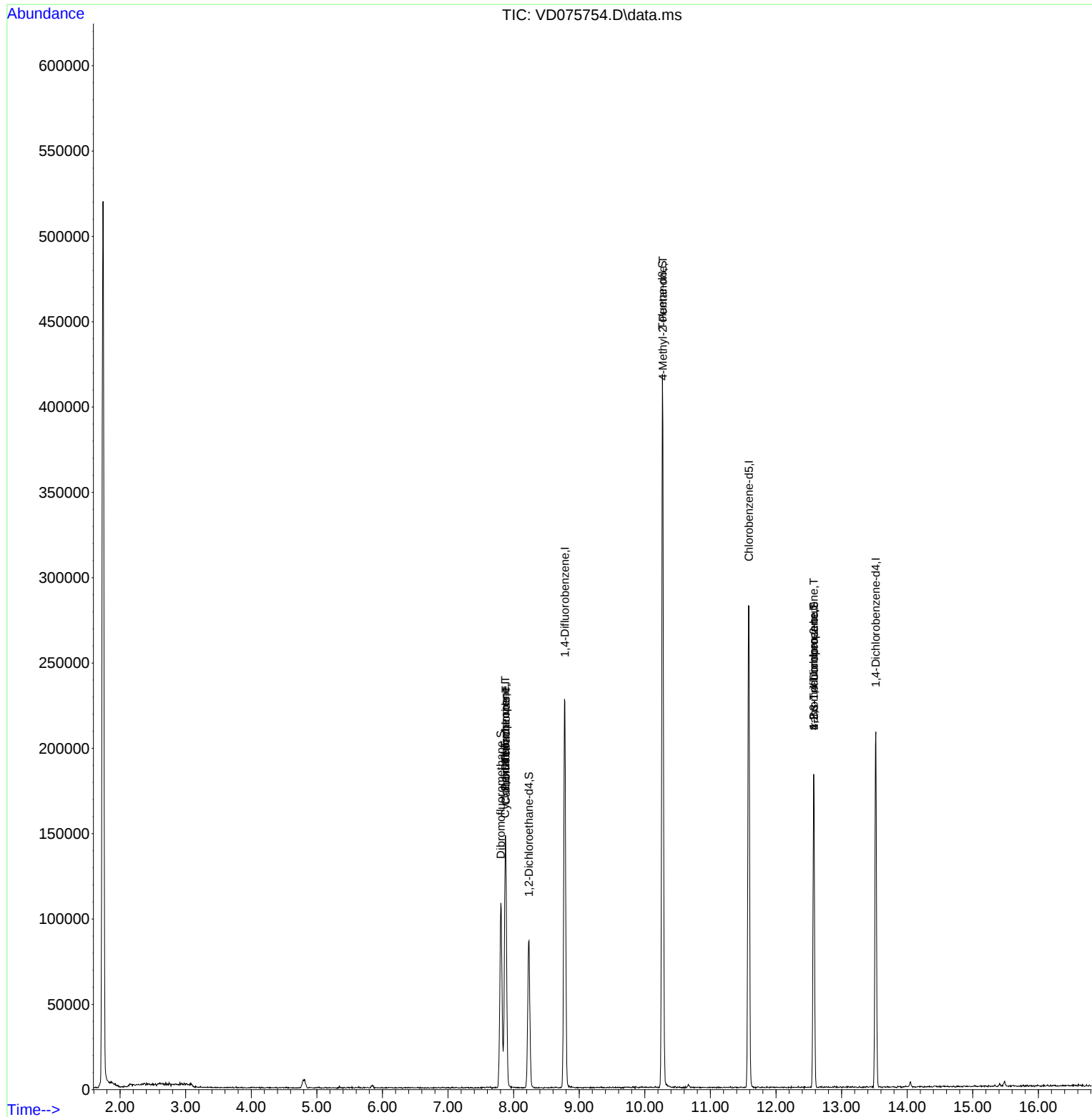
Internal Standards						
1) Pentafluorobenzene	7.875	168	123039	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	225044	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	191236	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	62644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	66989	57.360	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.720%	
35) Dibromofluoromethane	7.805	113	79824	52.736	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.480%	
50) Toluene-d8	10.269	98	314001	51.802	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.600%	
62) 4-Bromofluorobenzene	12.575	95	55512	34.455	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 68.920%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.799	84	2806	Below Cal	#	68
31) Cyclohexane	7.869	56	2227	1.215	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	9238	4.424	ug/l #	49
38) Carbon Tetrachloride	7.881	117	10982	5.972	ug/l #	17
51) 4-Methyl-2-Pentanone	10.275	43	864	1.398	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	28430	55.652	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	28430	120.620	ug/l #	5

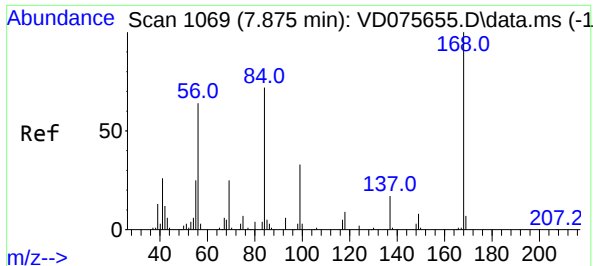
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

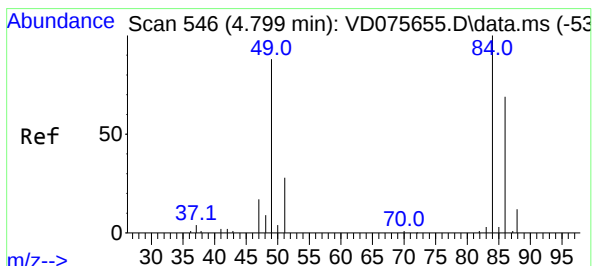
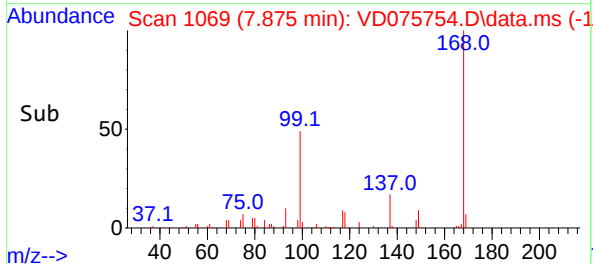
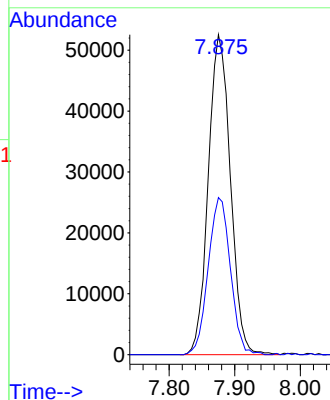
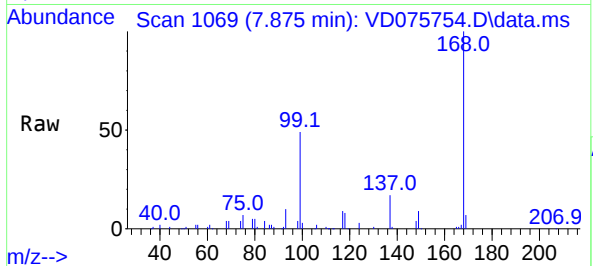




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075754.D
Acq: 19 Apr 2023 17:43

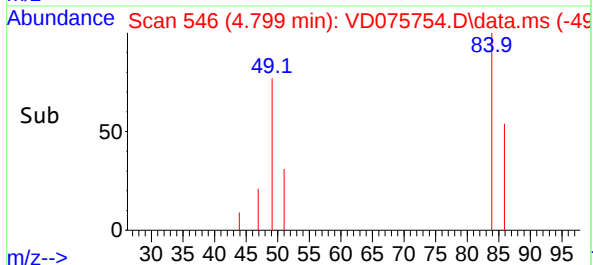
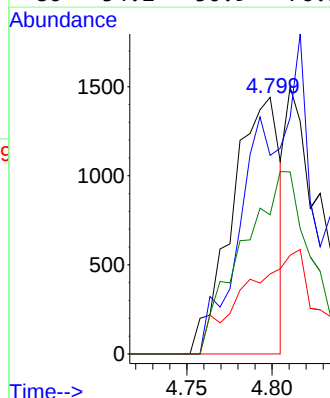
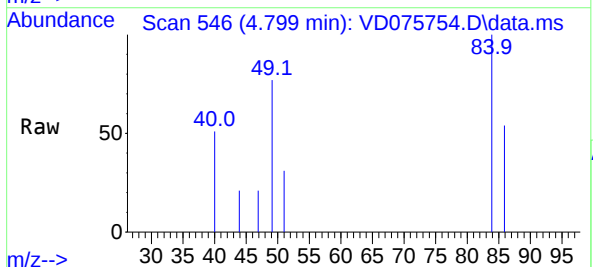
Instrument :
MSVOA_D
ClientSampleId :

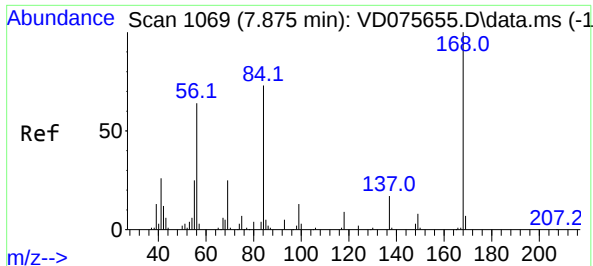
Tgt Ion:168 Resp: 123039
Ion Ratio Lower Upper
168 100
99 49.1 43.8 65.6



#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD075754.D
Acq: 19 Apr 2023 17:43

Tgt Ion: 84 Resp: 2806
Ion Ratio Lower Upper
84 100
49 77.4 106.4 159.6#
51 31.2 32.4 48.6#
86 54.2 50.9 76.3





#31

Cyclohexane

Concen: 1.215 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.006 min

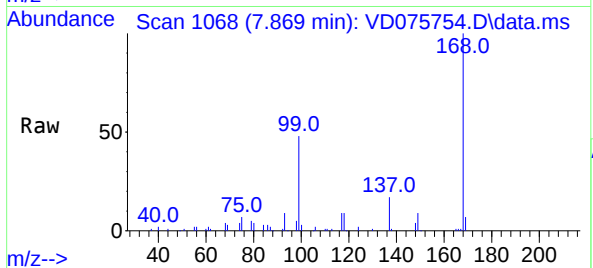
Lab File: VD075754.D

Acq: 19 Apr 2023 17:43

Instrument :

MSVOA_D

ClientSampleId :



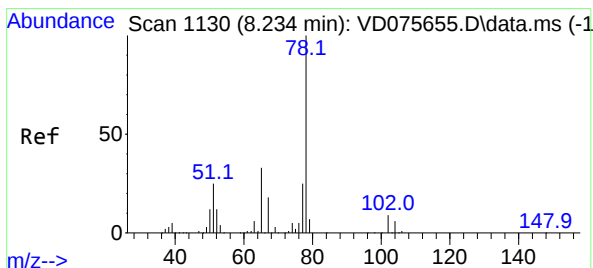
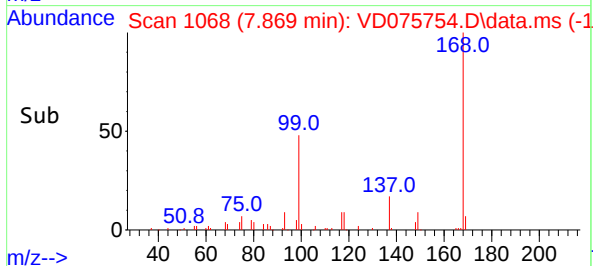
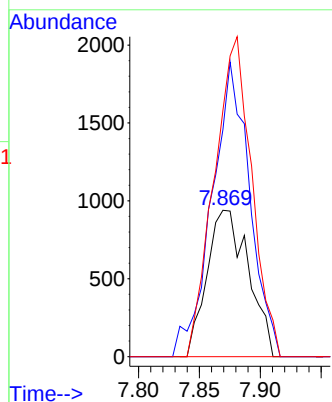
Tgt Ion: 56 Resp: 2227

Ion Ratio Lower Upper

56 100

69 155.0 25.5 38.3#

84 168.1 69.6 104.4#



#33

1,2-Dichloroethane-d4

Concen: 57.360 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD075754.D

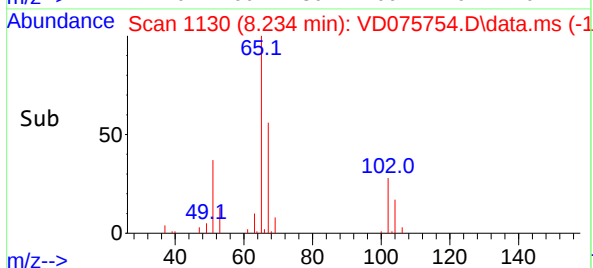
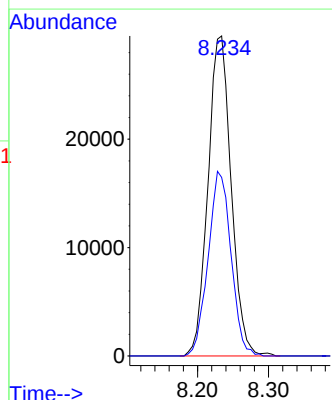
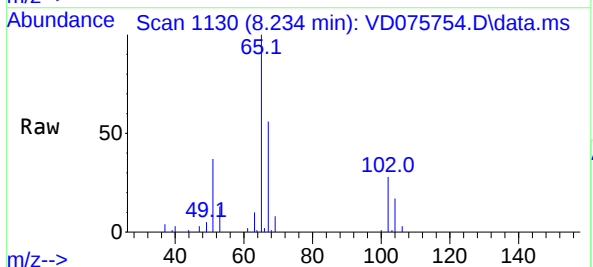
Acq: 19 Apr 2023 17:43

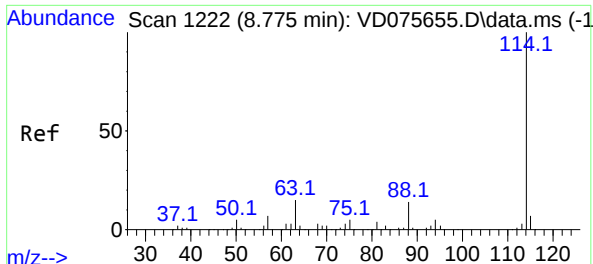
Tgt Ion: 65 Resp: 66989

Ion Ratio Lower Upper

65 100

67 57.0 0.0 102.2

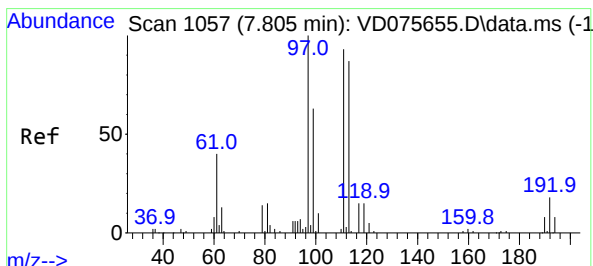
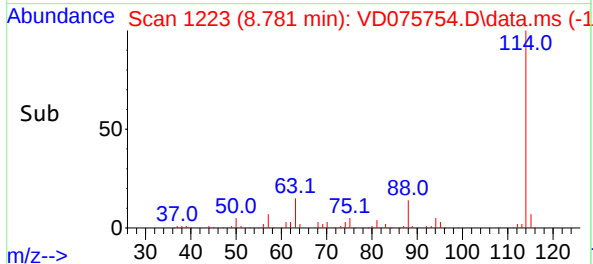
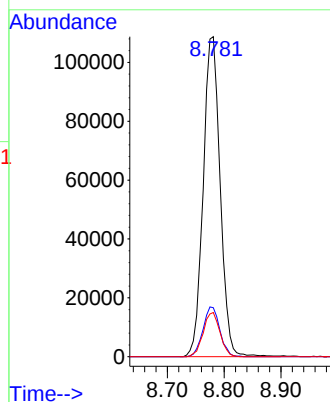
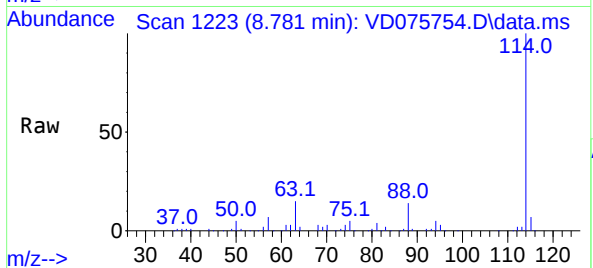




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD075754.D
Acq: 19 Apr 2023 17:43

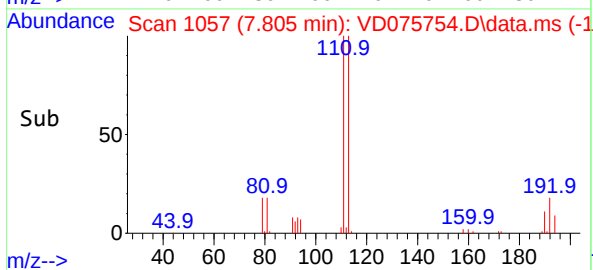
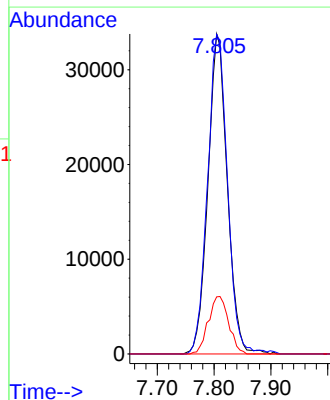
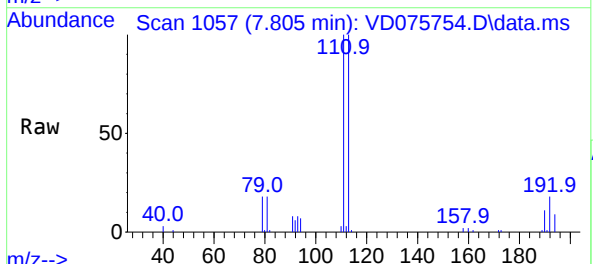
Instrument :
MSVOA_D
ClientSampleId :

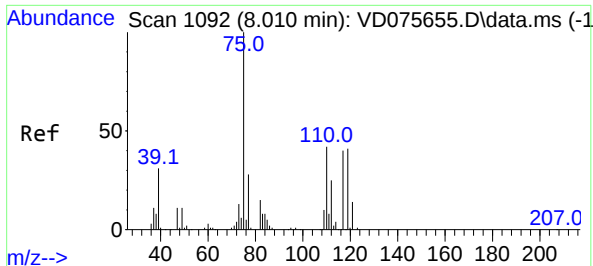
Tgt Ion:114 Resp: 225044
Ion Ratio Lower Upper
114 100
63 15.3 0.0 41.6
88 13.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 52.736 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD075754.D
Acq: 19 Apr 2023 17:43

Tgt Ion:113 Resp: 79824
Ion Ratio Lower Upper
113 100
111 103.2 81.4 122.0
192 18.8 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.424 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

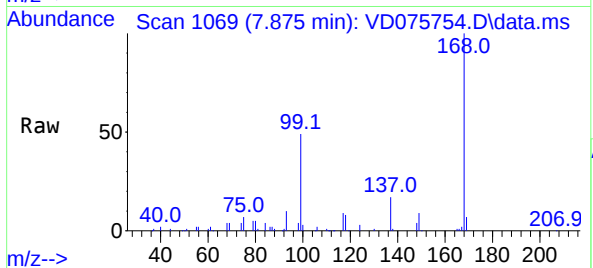
Lab File: VD075754.D

Acq: 19 Apr 2023 17:43

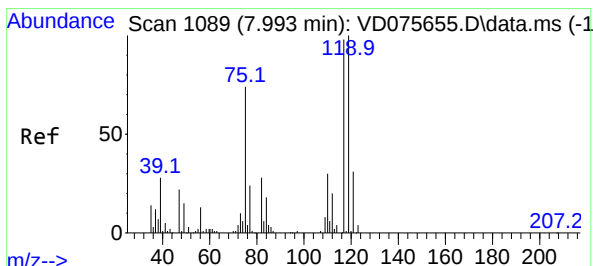
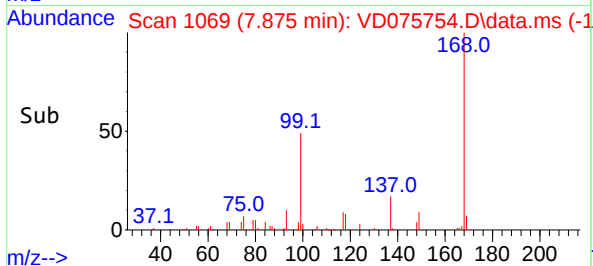
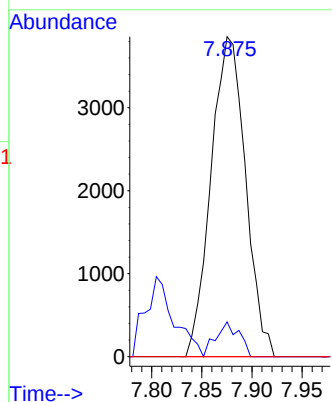
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	9238
Ion	Ratio	Lower	Upper
75	100		
110	7.3	17.1	51.2#
77	0.0	24.6	36.8#



#38

Carbon Tetrachloride

Concen: 5.972 ug/l

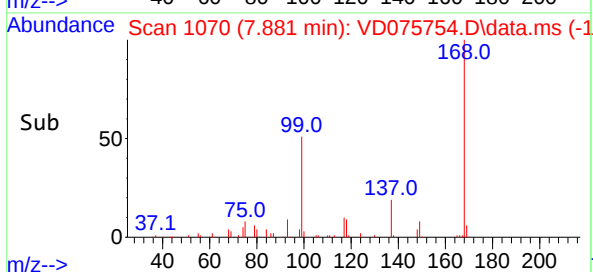
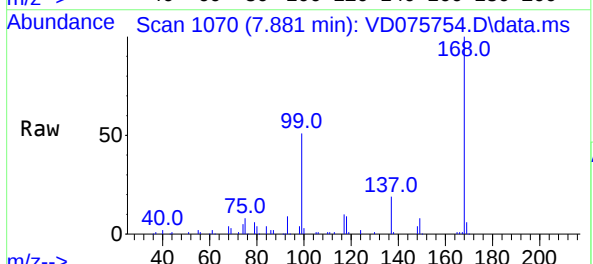
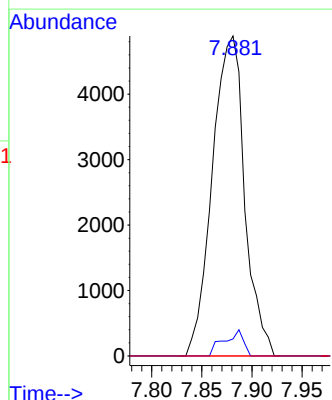
RT: 7.881 min Scan# 1070

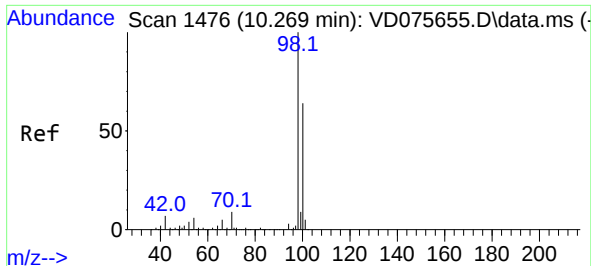
Delta R.T. -0.112 min

Lab File: VD075754.D

Acq: 19 Apr 2023 17:43

Tgt Ion:	117	Resp:	10982
Ion	Ratio	Lower	Upper
117	100		
119	5.3	74.7	112.1#
121	0.0	25.9	38.9#

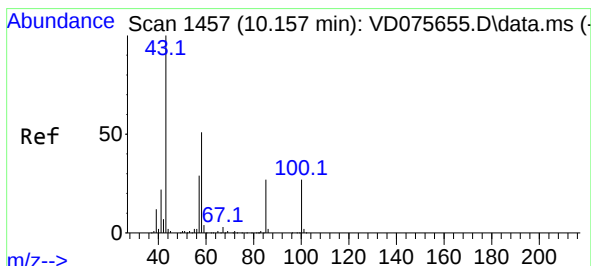
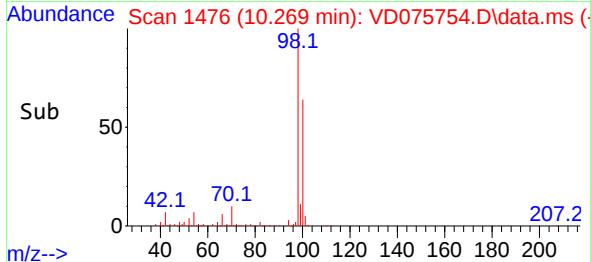
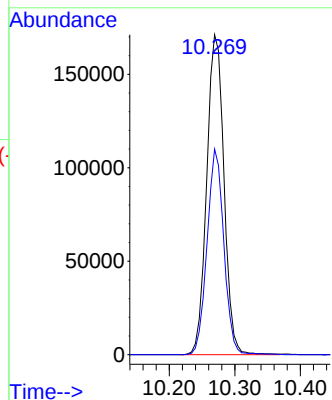
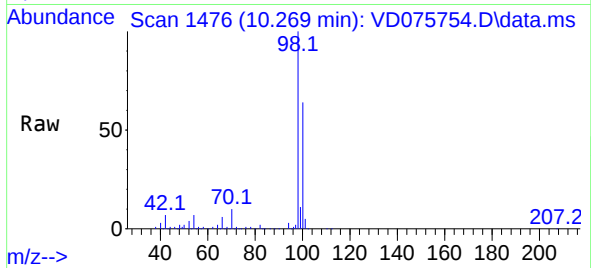




#50
Toluene-d8
Concen: 51.802 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075754.D
Acq: 19 Apr 2023 17:43

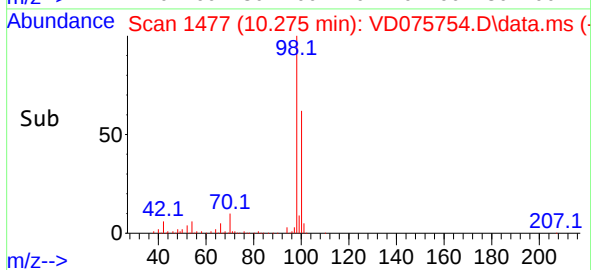
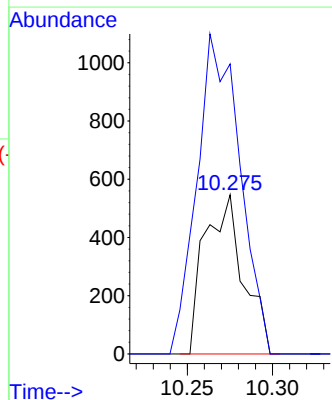
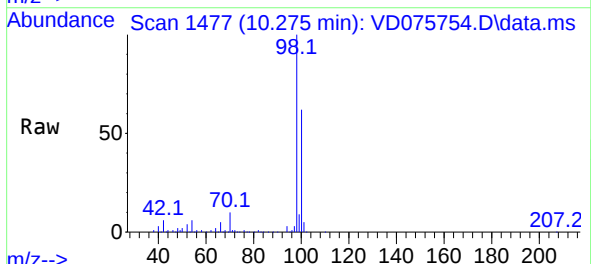
Instrument :
MSVOA_D
ClientSampleId :

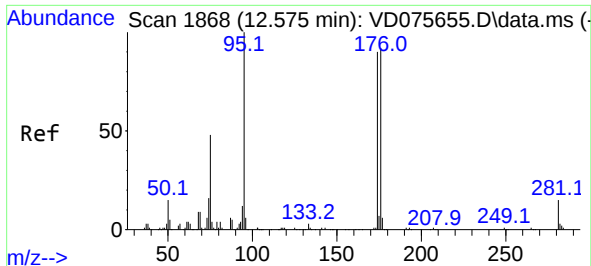
Tgt Ion: 98 Resp: 314001
Ion Ratio Lower Upper
98 100
100 62.4 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.398 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.118 min
Lab File: VD075754.D
Acq: 19 Apr 2023 17:43

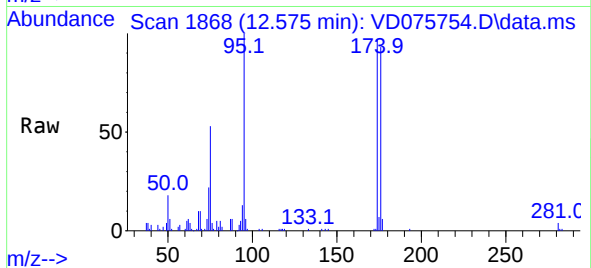
Tgt Ion: 43 Resp: 864
Ion Ratio Lower Upper
43 100
58 223.0 29.5 44.3#



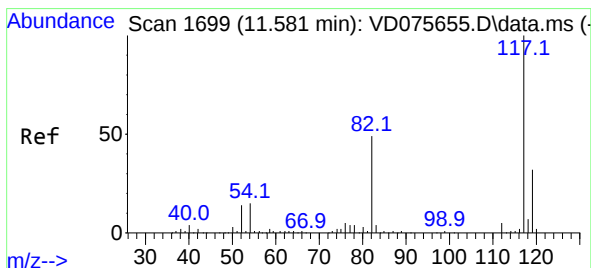
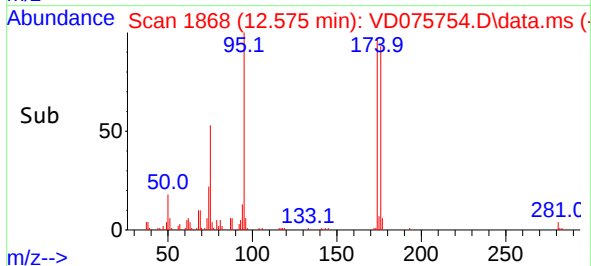
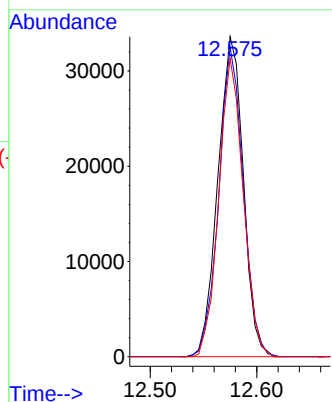


#62
4-Bromofluorobenzene
Concen: 34.455 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075754.D
Acq: 19 Apr 2023 17:43

Instrument :
MSVOA_D
ClientSampleId :

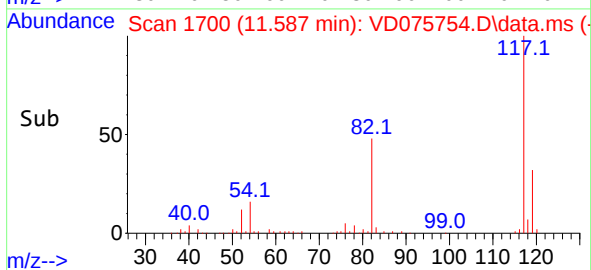
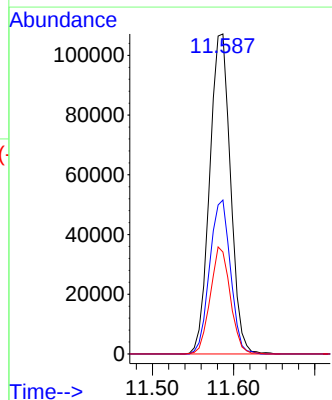
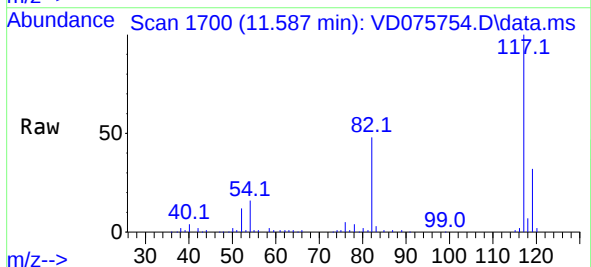


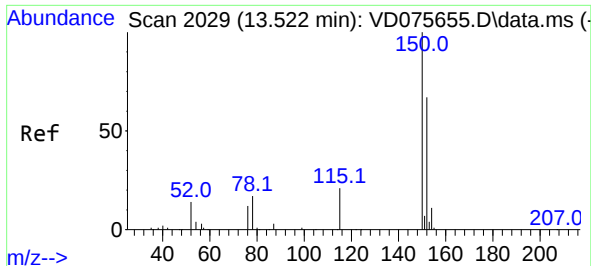
Tgt Ion: 95 Resp: 55512
Ion Ratio Lower Upper
95 100
174 93.5 0.0 164.0
176 89.4 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VD075754.D
Acq: 19 Apr 2023 17:43

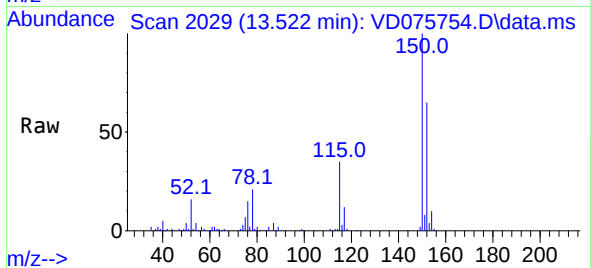
Tgt Ion: 117 Resp: 191236
Ion Ratio Lower Upper
117 100
82 48.1 44.0 66.0
119 31.9 25.1 37.7



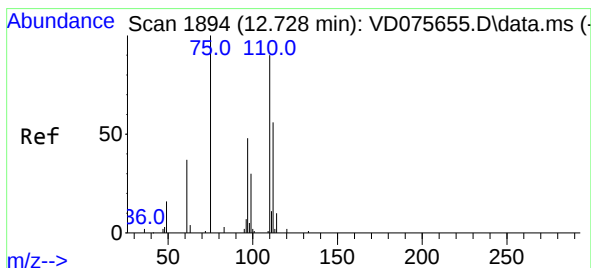
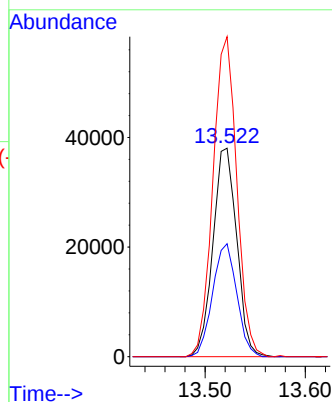
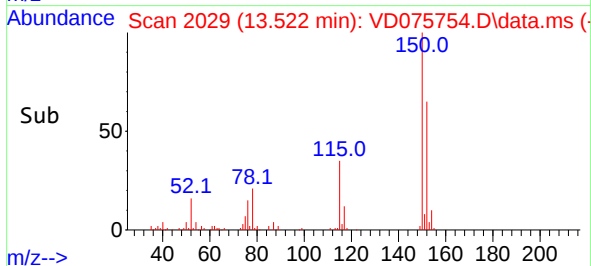


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VD075754.D
 Acq: 19 Apr 2023 17:43

Instrument :
 MSVOA_D
 ClientSampleId :

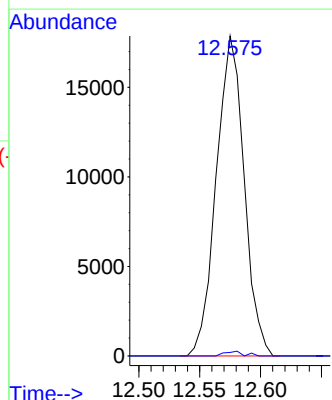
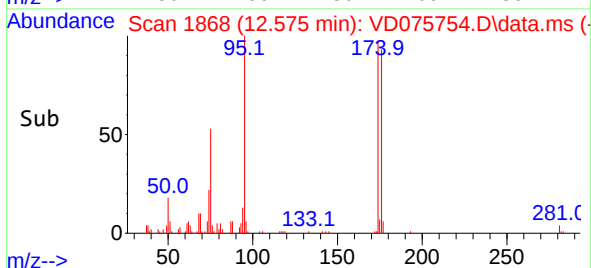
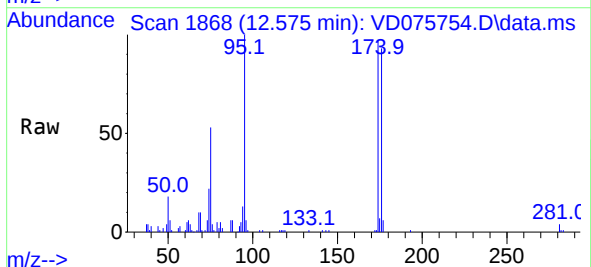


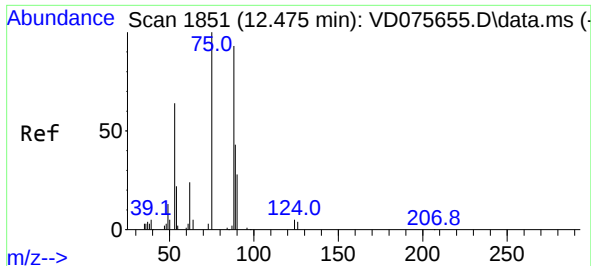
Tgt Ion:152 Resp: 62644
 Ion Ratio Lower Upper
 152 100
 115 55.1 30.1 90.3
 150 153.3 0.0 364.8



#76
 1,2,3-Trichloropropane
 Concen: 55.652 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD075754.D
 Acq: 19 Apr 2023 17:43

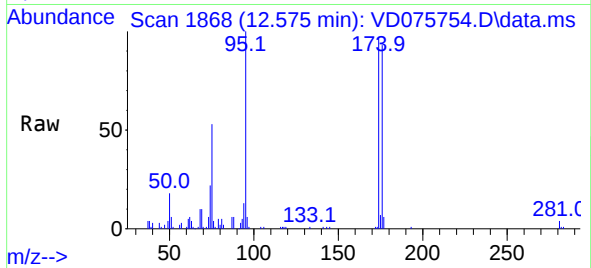
Tgt Ion: 75 Resp: 28430
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 120.620 ug/l
 RT: 12.575 min Scan# 1851
 Delta R.T. 0.100 min
 Lab File: VD075754.D
 Acq: 19 Apr 2023 17:43

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 28430

Ion	Ratio	Lower	Upper
75	100		
53	0.0	90.5	135.7#
89	0.0	40.2	60.4#

