

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080922\
 Data File : VD074004.D
 Acq On : 09 Aug 2022 23:26
 Operator : VA/SY
 Sample : N4046-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 10 01:11:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 01:05:43 2022
 Response via : Initial Calibration

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

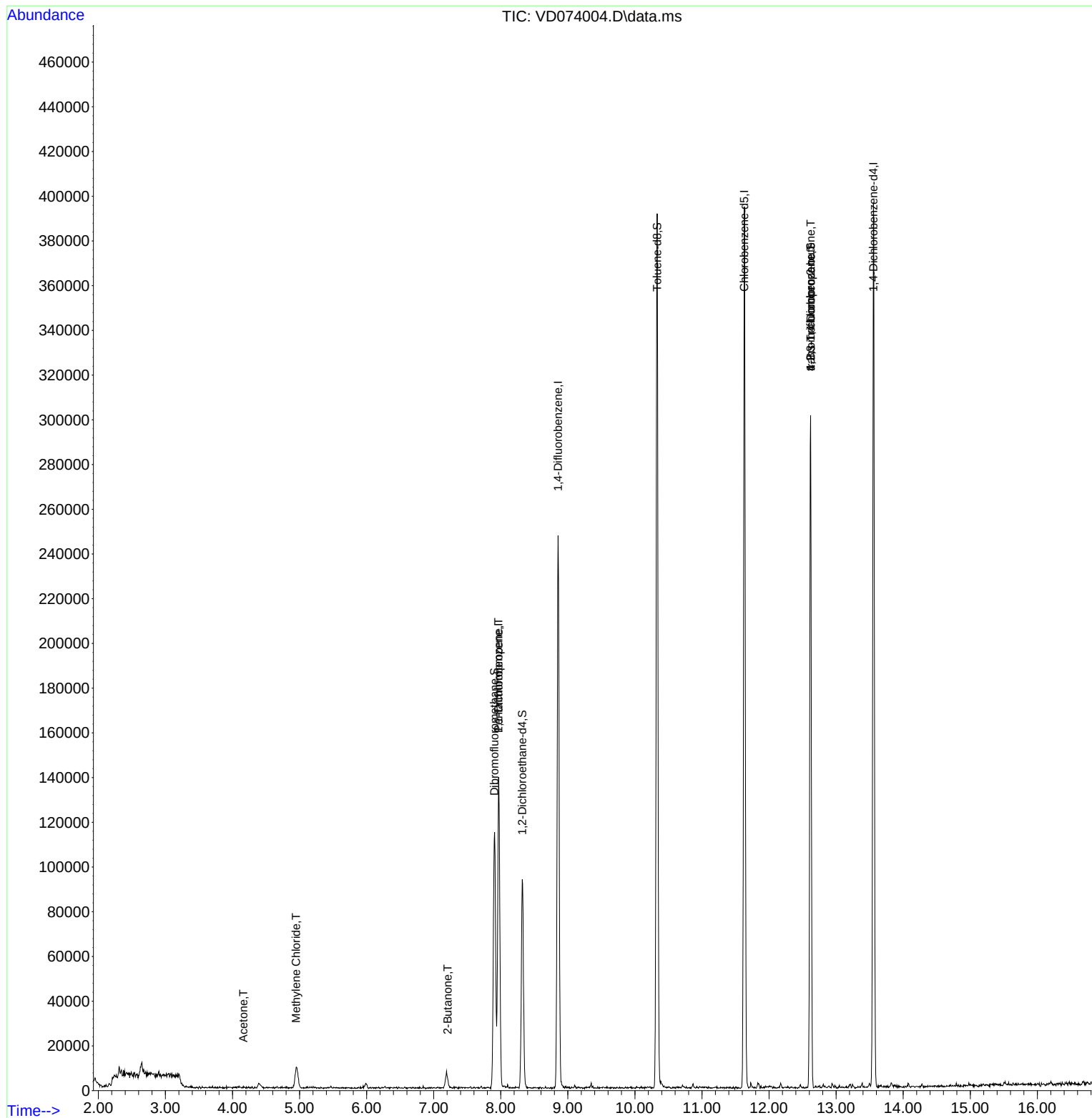
Internal Standards						
1) Pentafluorobenzene	7.967	168	96080	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	212746	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	218463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	102853	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	73368	86.130	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 172.260%#	
35) Dibromofluoromethane	7.902	113	81075	62.384	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 124.760%	
50) Toluene-d8	10.332	98	264852	68.989	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 137.980%	
62) 4-Bromofluorobenzene	12.620	95	96216	58.315	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 116.620%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.997	85	386	Below Cal	#	43
3) Chloromethane	2.220	50	892	Below Cal	#	40
5) Bromomethane	2.767	94	1482	Below Cal		84
11) Tert butyl alcohol	5.220	59	104	Below Cal	#	74
16) Acetone	4.162	43	260	1.464	ug/l #	46
17) Carbon Disulfide	4.397	76	4322	Below Cal	#	73
18) Methyl Acetate	4.567	43	53	Below Cal	#	49
20) Methylene Chloride	4.950	84	7207	1.009	ug/l #	92
25) 2-Butanone	7.208	43	561	2.083	ug/l #	46
31) Cyclohexane	7.979	56	2728	Below Cal	#	40
36) 1,1-Dichloropropene	7.967	75	8996	4.918	ug/l #	50
76) 1,2,3-Trichloropropane	12.620	75	49816	63.901	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	49816	137.341	ug/l #	13

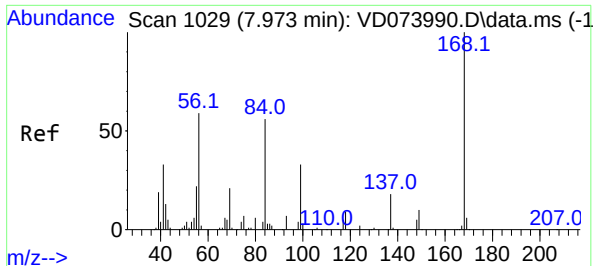
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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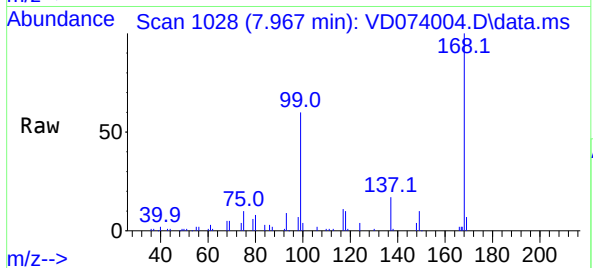
Quant Time: Aug 10 01:11:03 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080922S.M
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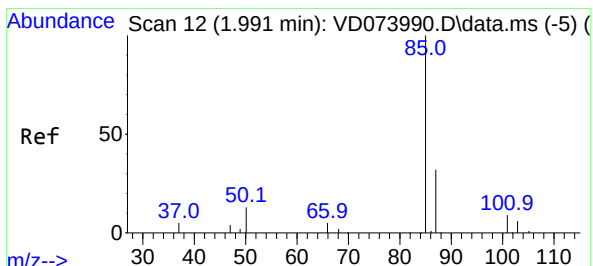
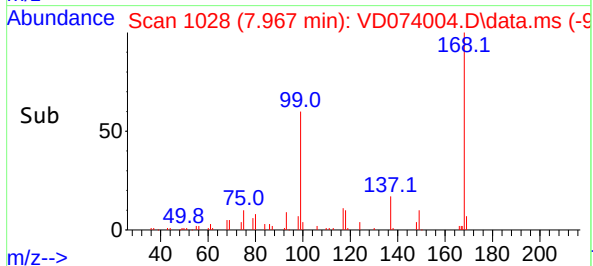
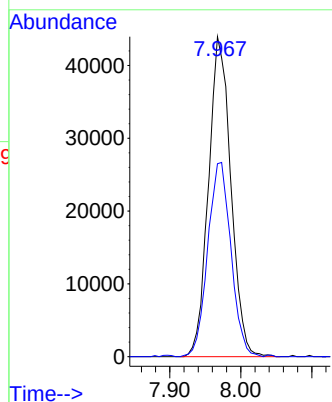


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD074004.D
Acq: 09 Aug 2022 23:26

Instrument :
MSVOA_D
ClientSampleId :

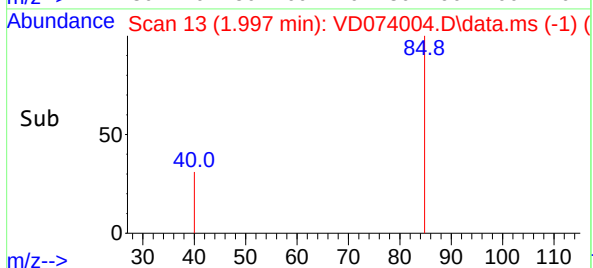
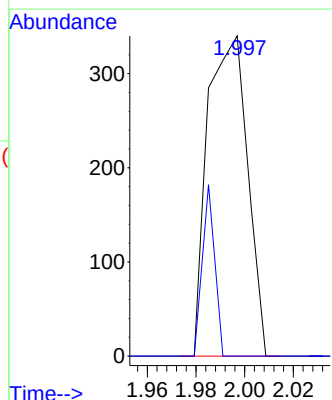
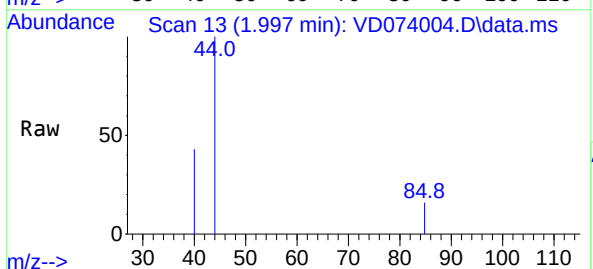


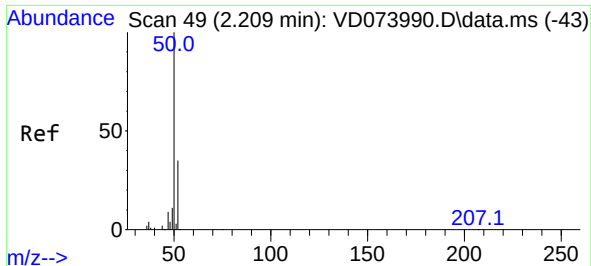
Tgt Ion:168 Resp: 96080
Ion Ratio Lower Upper
168 100
99 60.3 48.3 72.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.997 min Scan# 13
Delta R.T. 0.006 min
Lab File: VD074004.D
Acq: 09 Aug 2022 23:26

Tgt Ion: 85 Resp: 386
Ion Ratio Lower Upper
85 100
87 0.0 16.0 47.9#

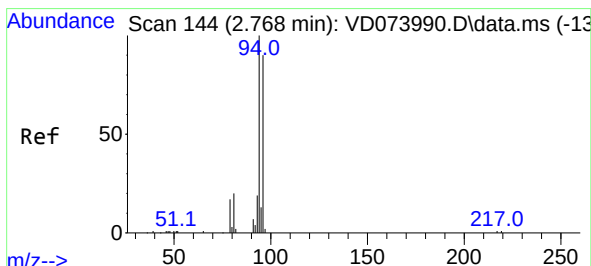
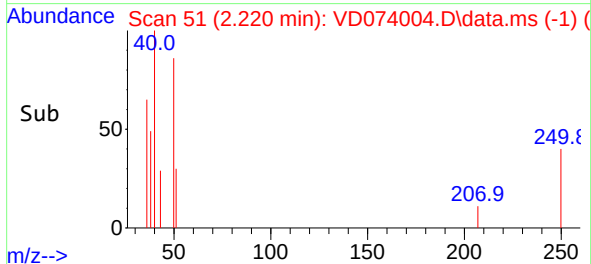
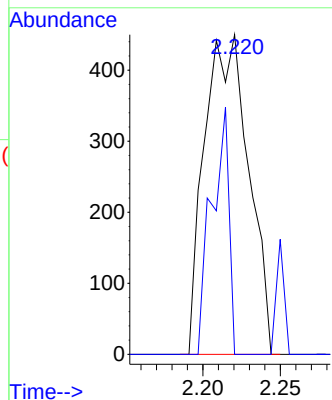
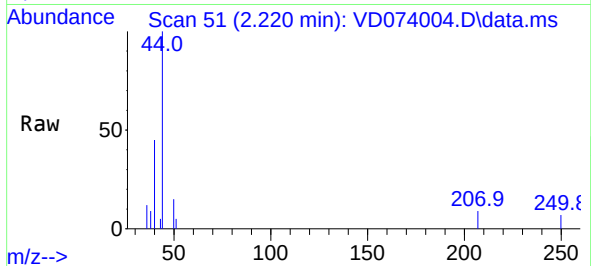




#3
Chloromethane
Concen: Below Cal
RT: 2.220 min Scan# 51
Delta R.T. 0.011 min
Lab File: VD074004.D
Acq: 09 Aug 2022 23:26

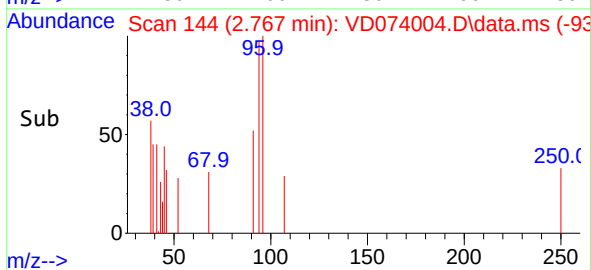
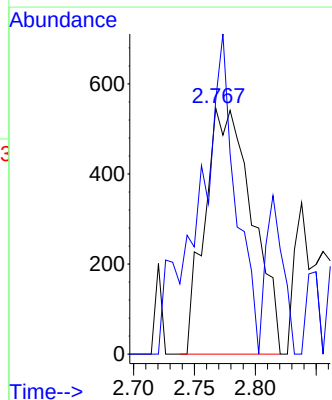
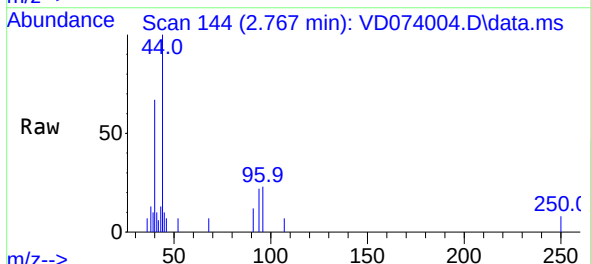
Instrument :
MSVOA_D
ClientSampleId :

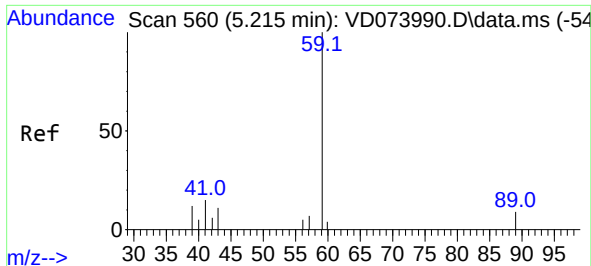
Tgt Ion: 50 Resp: 892
Ion Ratio Lower Upper
50 100
52 0.0 28.1 42.1#



#5
Bromomethane
Concen: Below Cal
RT: 2.767 min Scan# 144
Delta R.T. -0.001 min
Lab File: VD074004.D
Acq: 09 Aug 2022 23:26

Tgt Ion: 94 Resp: 1482
Ion Ratio Lower Upper
94 100
96 74.7 72.0 108.0





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.220 min Scan# 5

Delta R.T. 0.005 min

Lab File: VD074004.D

Acq: 09 Aug 2022 23:26

Instrument :

MSVOA_D

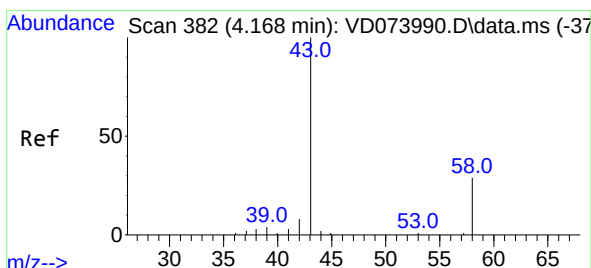
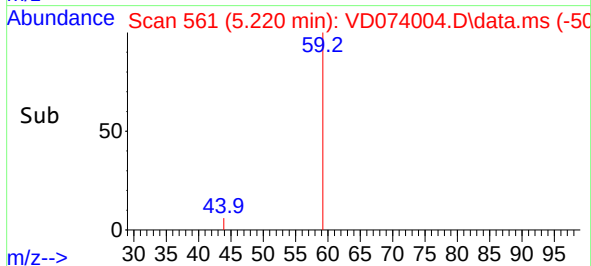
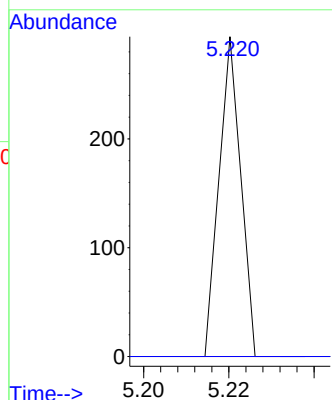
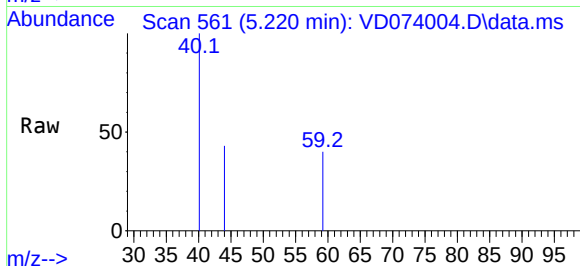
ClientSampleId :

Tgt Ion: 59 Resp: 104

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: 1.464 ug/l

RT: 4.162 min Scan# 381

Delta R.T. -0.006 min

Lab File: VD074004.D

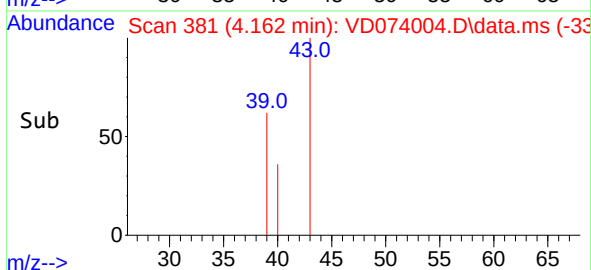
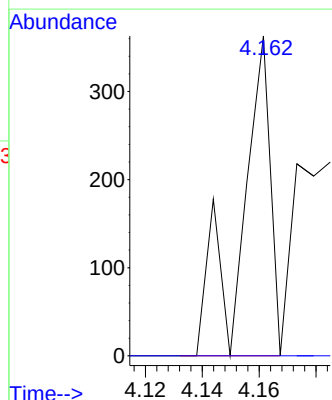
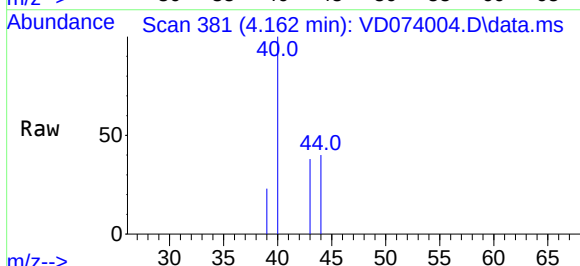
Acq: 09 Aug 2022 23:26

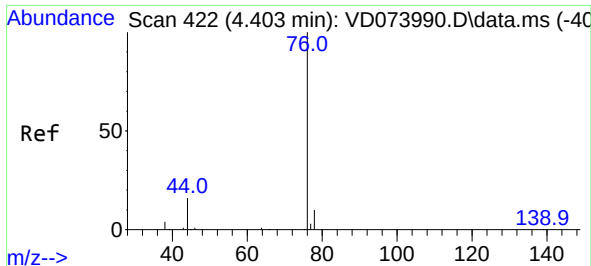
Tgt Ion: 43 Resp: 260

Ion Ratio Lower Upper

43 100

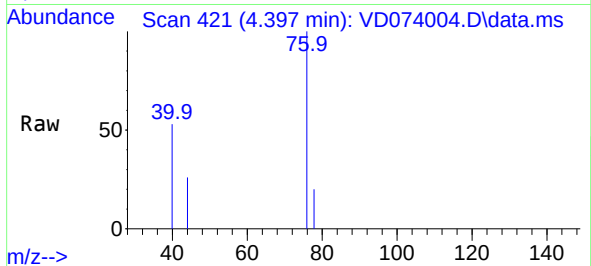
58 0.0 22.8 34.2#



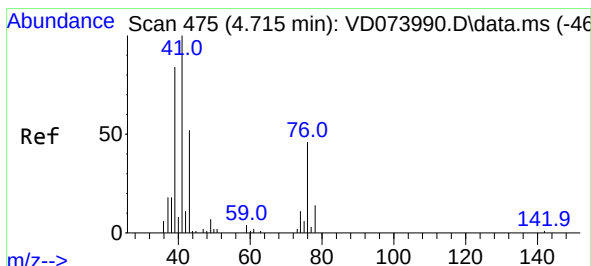
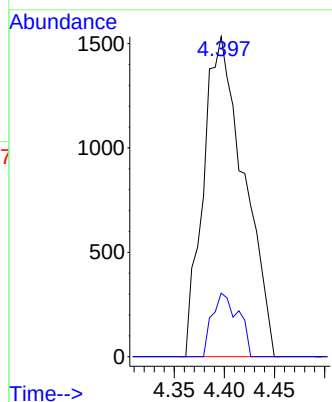
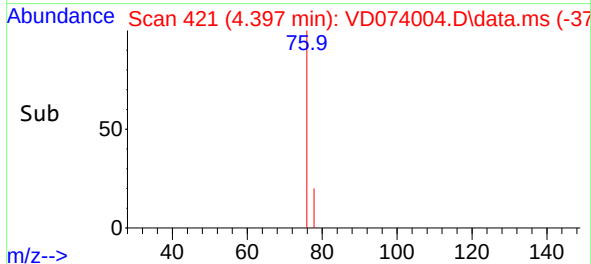


#17
Carbon Disulfide
Concen: Below Cal
RT: 4.397 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD074004.D
Acq: 09 Aug 2022 23:26

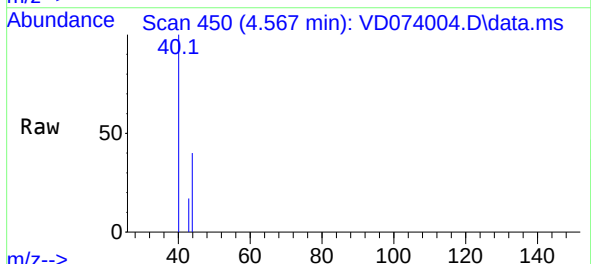
Instrument :
MSVOA_D
ClientSampleId :



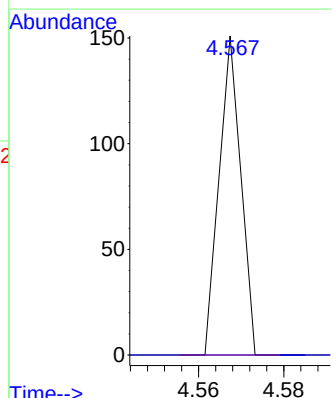
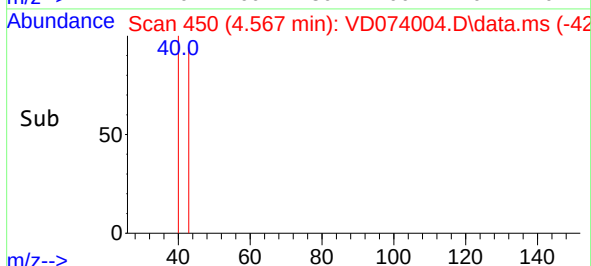
Tgt Ion: 76 Resp: 4322
Ion Ratio Lower Upper
76 100
78 19.8 7.9 11.9#

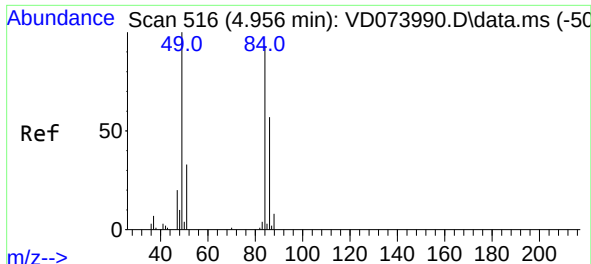


#18
Methyl Acetate
Concen: Below Cal
RT: 4.567 min Scan# 450
Delta R.T. -0.148 min
Lab File: VD074004.D
Acq: 09 Aug 2022 23:26



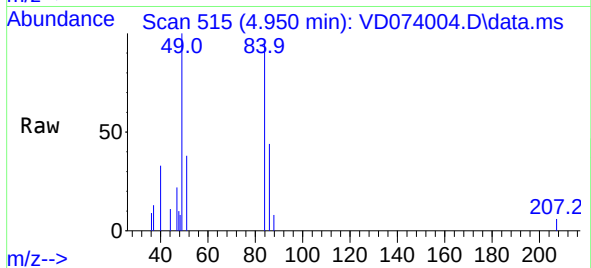
Tgt Ion: 43 Resp: 53
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



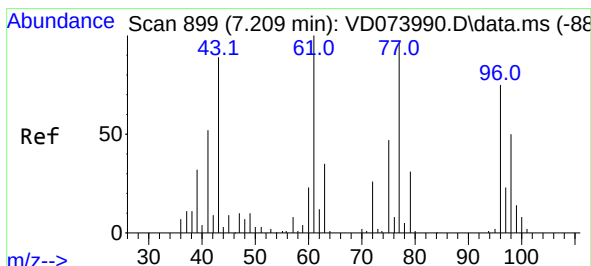
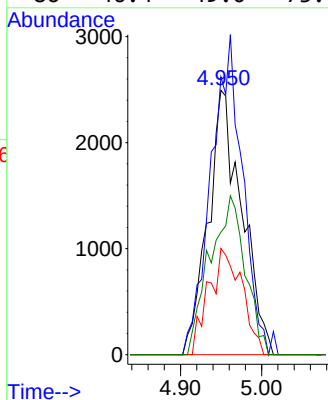
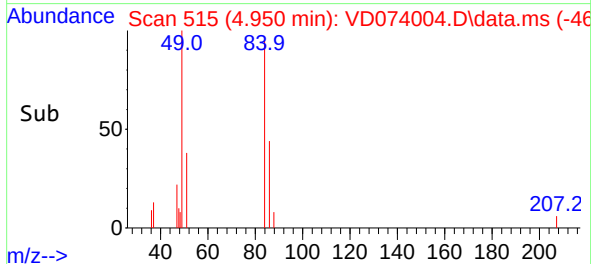


#20
Methylene Chloride
Concen: 1.009 ug/l
RT: 4.950 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD074004.D
Acq: 09 Aug 2022 23:26

Instrument :
MSVOA_D
ClientSampleId :

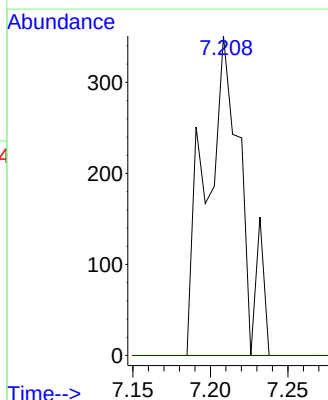
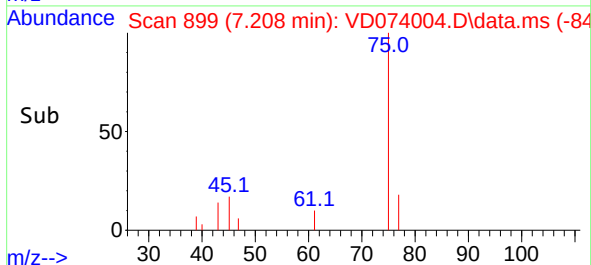
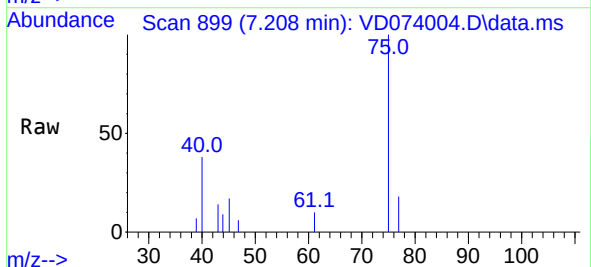


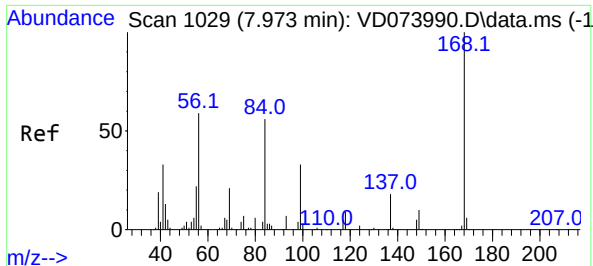
Tgt Ion: 84 Resp: 7207
Ion Ratio Lower Upper
84 100
49 105.1 85.8 128.6
51 40.2 28.0 42.0
86 46.4 49.0 73.4#



#25
2-Butanone
Concen: 2.083 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD074004.D
Acq: 09 Aug 2022 23:26

Tgt Ion: 43 Resp: 561
Ion Ratio Lower Upper
43 100
72 0.0 23.0 34.6#





#31

Cyclohexane

Concen: Below Cal

RT: 7.979 min Scan# 1029

Delta R.T. 0.006 min

Lab File: VD074004.D

Acq: 09 Aug 2022 23:26

Instrument :

MSVOA_D

ClientSampleId :

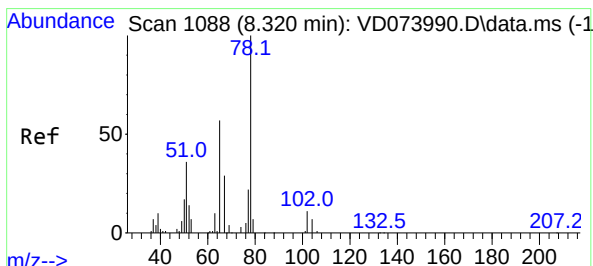
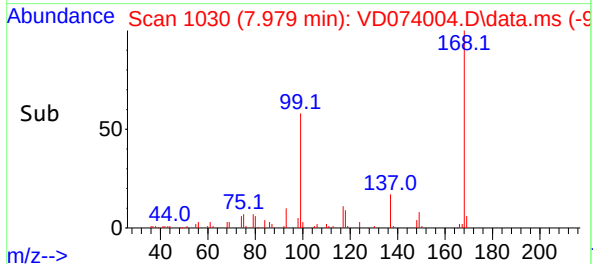
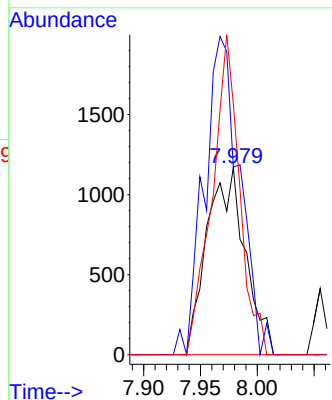
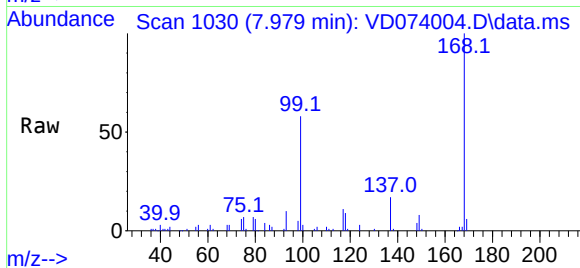
Tgt Ion: 56 Resp: 2728

Ion Ratio Lower Upper

56 100

69 100.3 27.9 41.9#

84 134.0 75.8 113.6#



#33

1,2-Dichloroethane-d4

Concen: 86.130 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VD074004.D

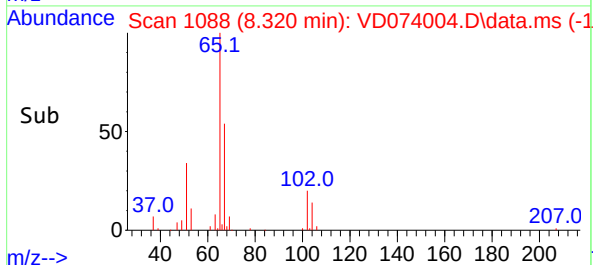
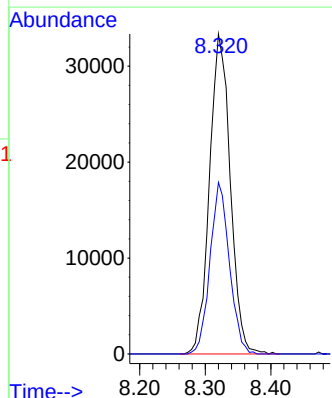
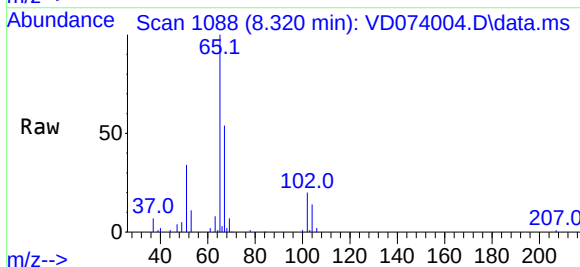
Acq: 09 Aug 2022 23:26

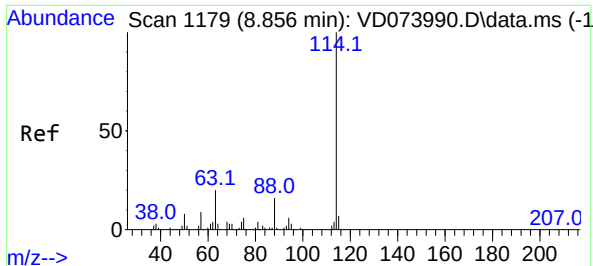
Tgt Ion: 65 Resp: 73368

Ion Ratio Lower Upper

65 100

67 50.0 0.0 113.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.001 min

Lab File: VD074004.D

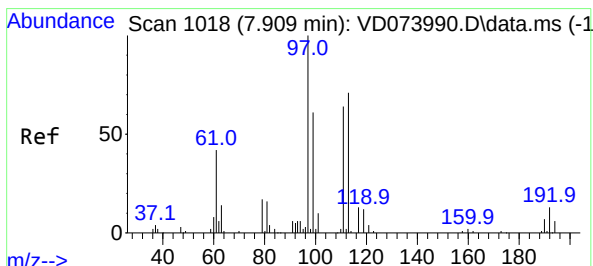
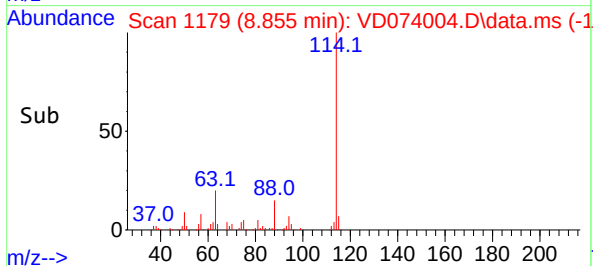
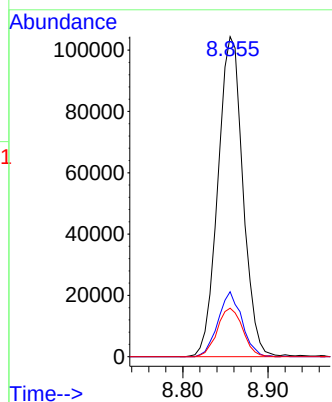
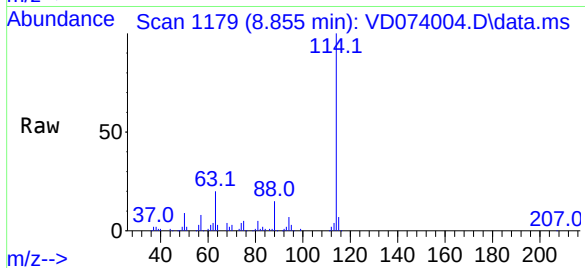
Acq: 09 Aug 2022 23:26

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	114	Resp:	212746
Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	41.0
88	15.2	0.0	31.6



#35

Dibromofluoromethane

Concen: 62.384 ug/l

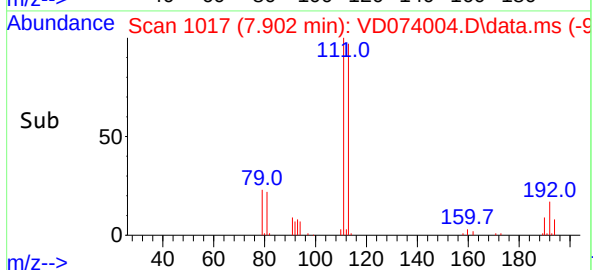
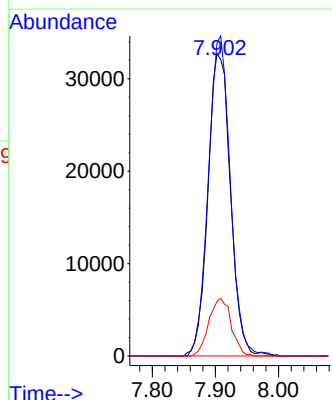
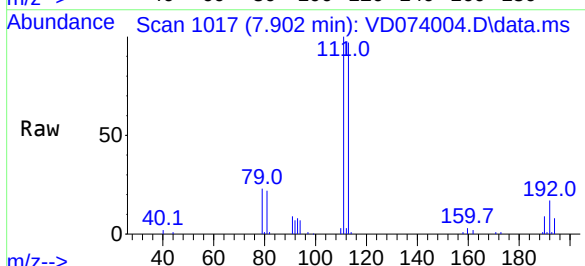
RT: 7.902 min Scan# 1017

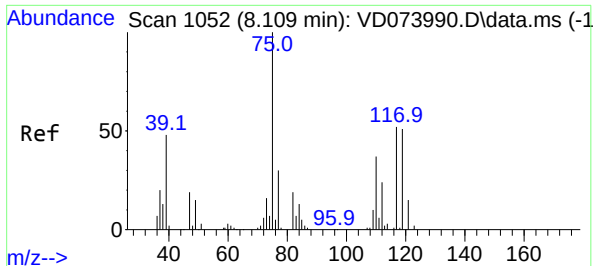
Delta R.T. -0.007 min

Lab File: VD074004.D

Acq: 09 Aug 2022 23:26

Tgt Ion:	113	Resp:	81075
Ion	Ratio	Lower	Upper
113	100		
111	103.2	80.0	120.0
192	18.9	14.2	21.4





#36

1,1-Dichloropropene

Concen: 4.918 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

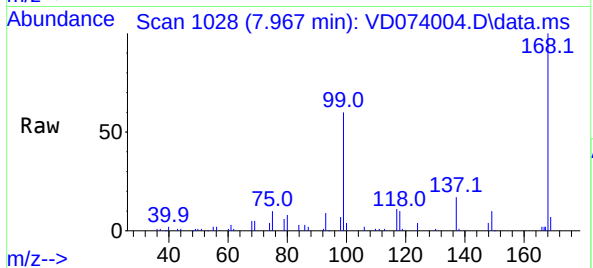
Lab File: VD074004.D

Acq: 09 Aug 2022 23:26

Instrument :

MSVOA_D

ClientSampleId :



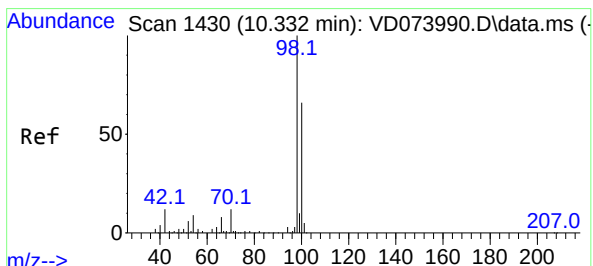
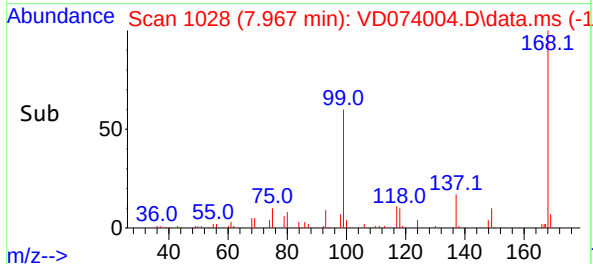
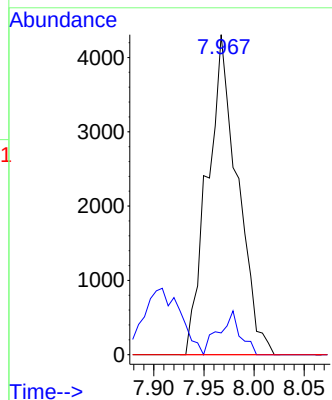
Tgt Ion: 75 Resp: 8996

Ion Ratio Lower Upper

75 100

110 9.6 18.4 55.4#

77 0.0 24.6 36.8#



#50

Toluene-d8

Concen: 68.989 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD074004.D

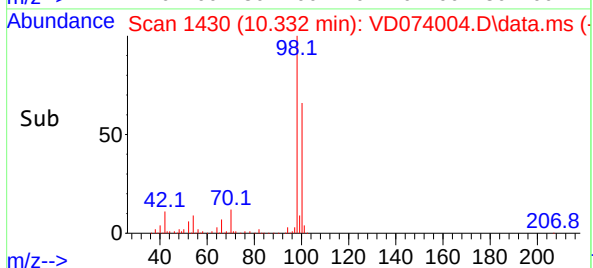
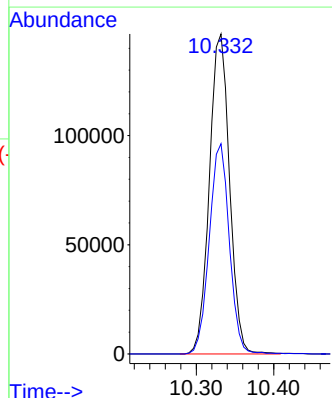
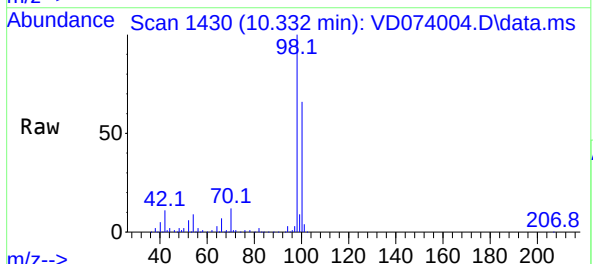
Acq: 09 Aug 2022 23:26

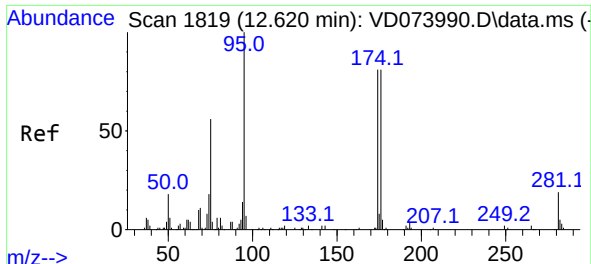
Tgt Ion: 98 Resp: 264852

Ion Ratio Lower Upper

98 100

100 65.4 51.3 76.9

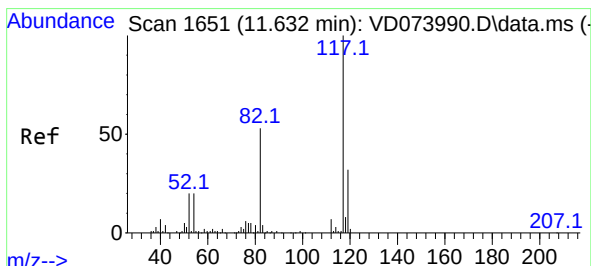
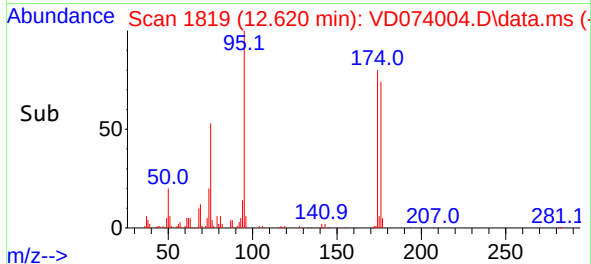
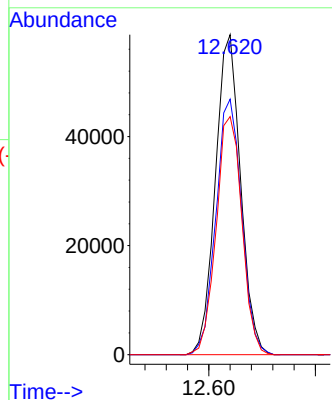
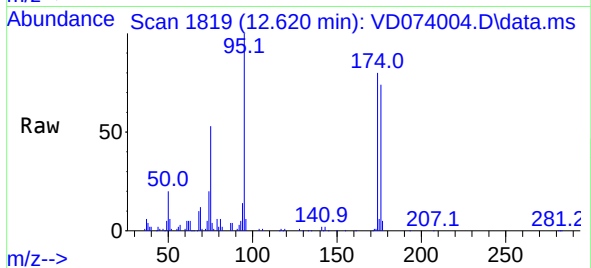




#62
4-Bromofluorobenzene
Concen: 58.315 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD074004.D
Acq: 09 Aug 2022 23:26

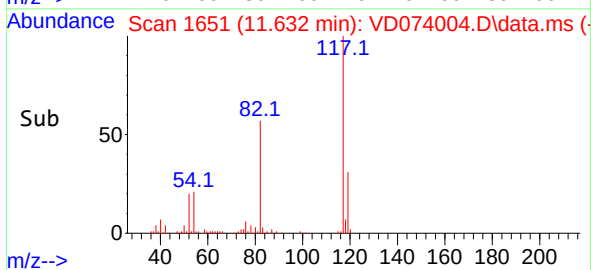
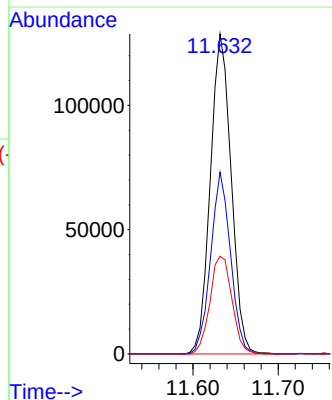
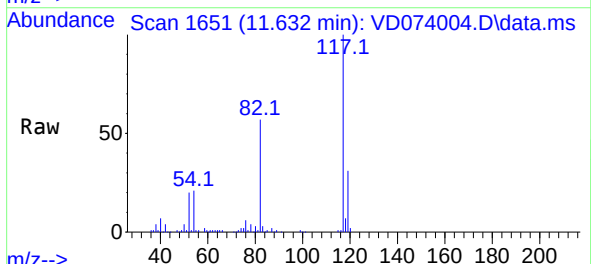
Instrument :
MSVOA_D
ClientSampleId :

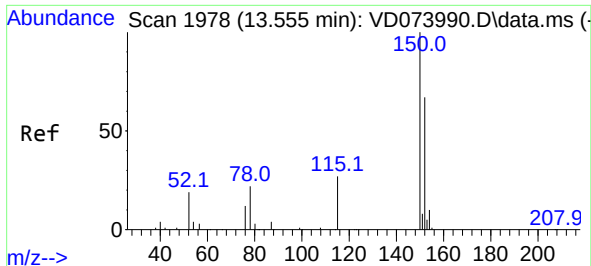
Tgt Ion: 95 Resp: 96216
Ion Ratio Lower Upper
95 100
174 81.7 0.0 162.6
176 76.1 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD074004.D
Acq: 09 Aug 2022 23:26

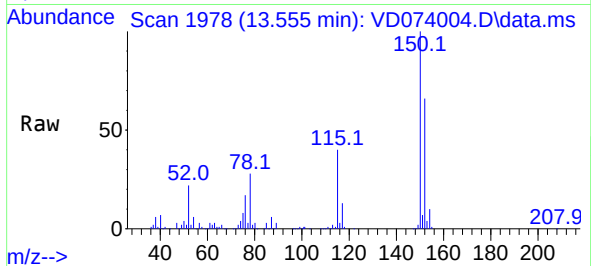
Tgt Ion: 117 Resp: 218463
Ion Ratio Lower Upper
117 100
82 56.8 42.7 64.1
119 30.5 25.8 38.8



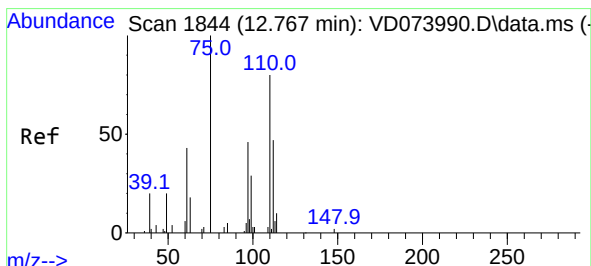
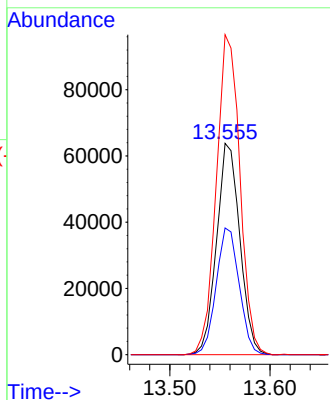
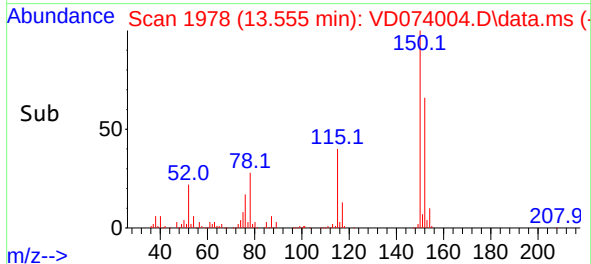


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1978
Delta R.T. -0.000 min
Lab File: VD074004.D
Acq: 09 Aug 2022 23:26

Instrument :
MSVOA_D
ClientSampleId :

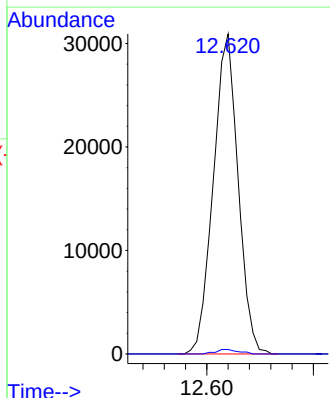
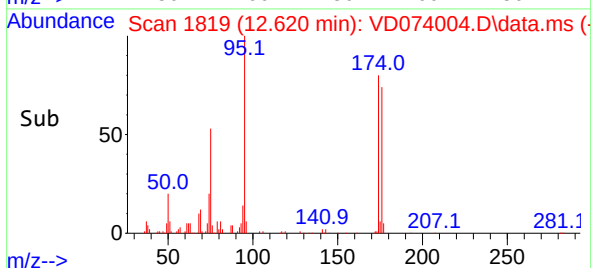
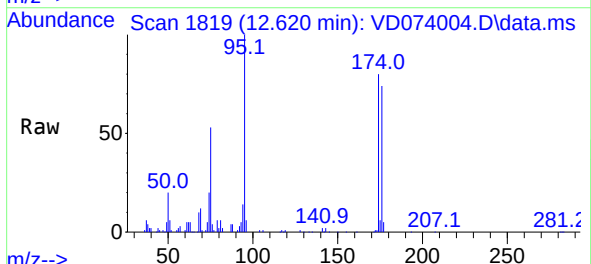


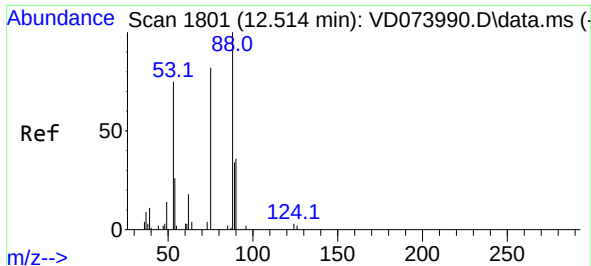
Tgt Ion:152 Resp: 102853
Ion Ratio Lower Upper
152 100
115 59.4 29.9 89.8
150 153.4 0.0 342.8



#76
1,2,3-Trichloropropane
Concen: 63.901 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD074004.D
Acq: 09 Aug 2022 23:26

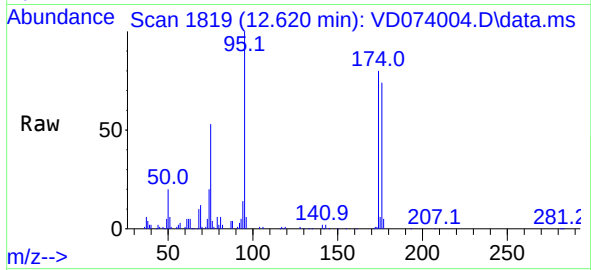
Tgt Ion: 75 Resp: 49816
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.341 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.106 min
 Lab File: VD074004.D
 Acq: 09 Aug 2022 23:26

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 49816
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.3 106.9#
 89 0.0 38.3 57.5#

