

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032522\
 Data File : VD072424.D
 Acq On : 25 Mar 2022 12:54
 Operator : VA/SY
 Sample : N2109-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

Quant Time: Mar 26 00:09:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

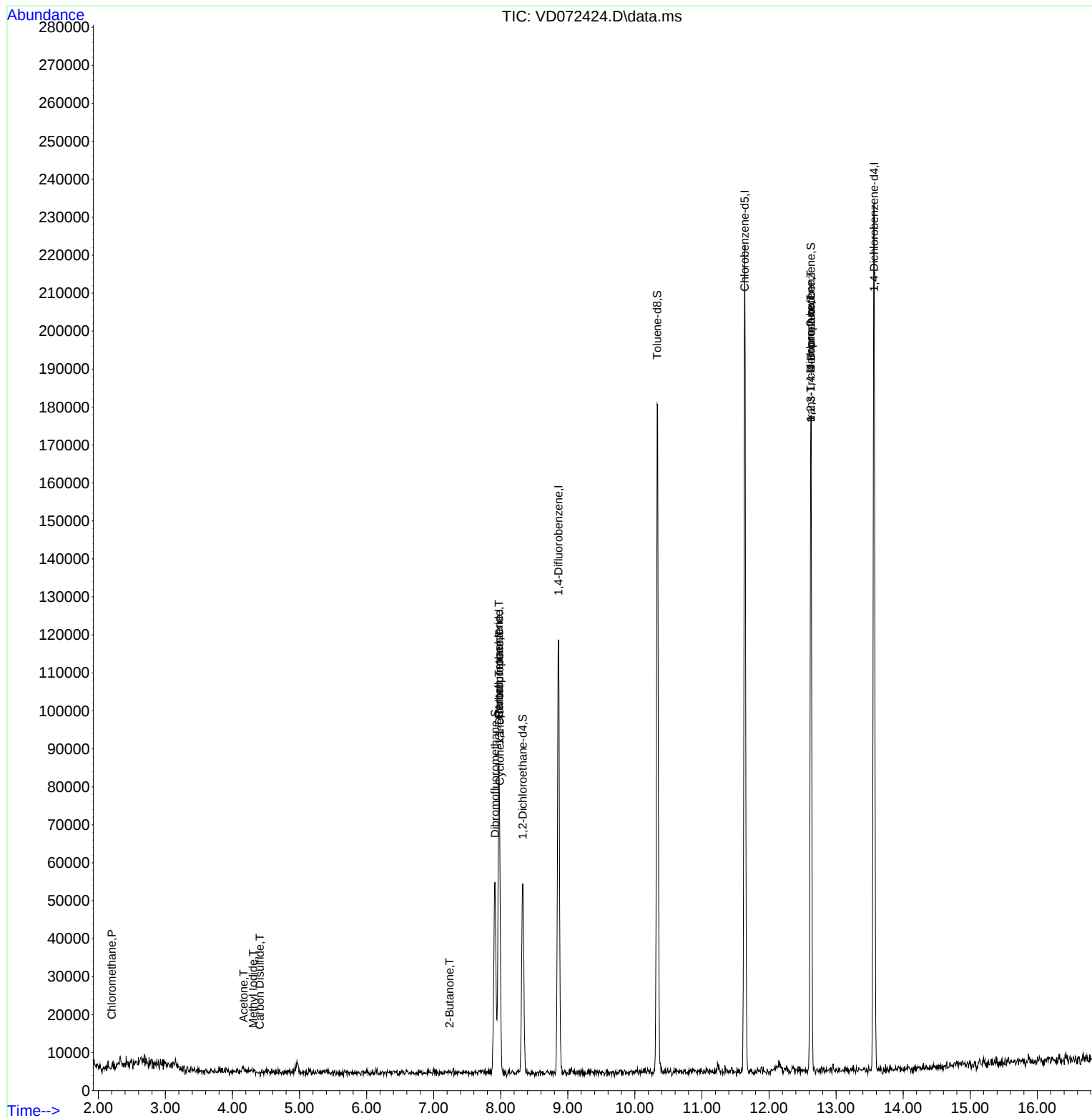
Internal Standards						
1) Pentafluorobenzene	7.973	168	56398	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	95093	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	120934	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	61795	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	41563	66.128	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.260%	
35) Dibromofluoromethane	7.914	113	35905	53.655	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.320%	
50) Toluene-d8	10.332	98	118829	48.564	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.120%	
62) 4-Bromofluorobenzene	12.626	95	56041	58.945	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 117.880%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.203	50	602	1.299	ug/l #	40
10) Methyl Iodide	4.309	142	673	3.341	ug/l #	51
16) Acetone	4.167	43	2406	17.631	ug/l #	47
17) Carbon Disulfide	4.409	76	71	1.557	ug/l #	74
20) Methylene Chloride	4.967	84	1562	Below Cal	#	67
25) 2-Butanone	7.238	43	357	1.962	ug/l #	52
31) Cyclohexane	7.985	56	1734	1.766	ug/l #	36
36) 1,1-Dichloropropene	7.979	75	4615	4.916	ug/l #	52
38) Carbon Tetrachloride	7.973	117	5669	5.312	ug/l #	13
76) 1,2,3-Trichloropropane	12.620	75	29684	43.547	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	29684	108.045	ug/l #	7

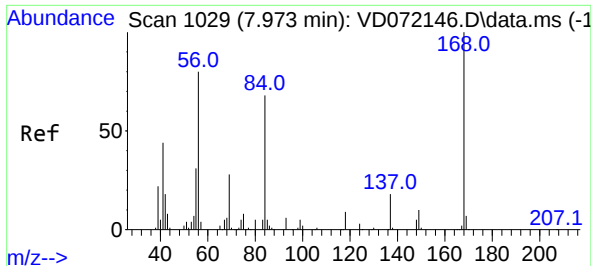
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

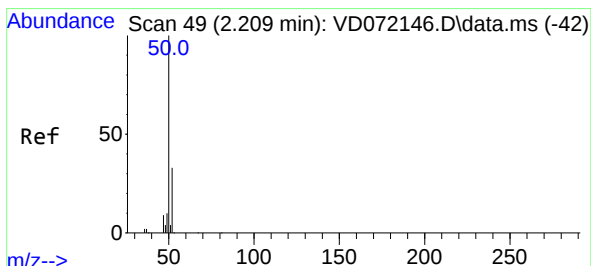
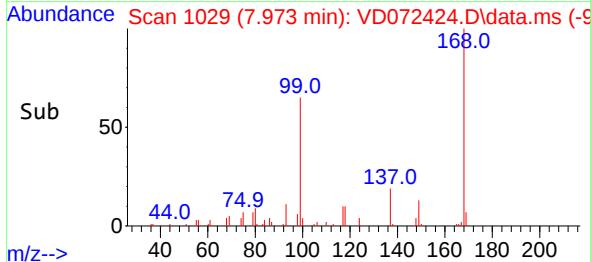
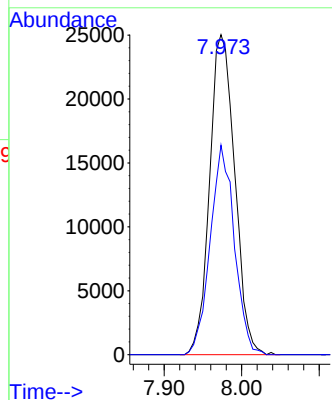
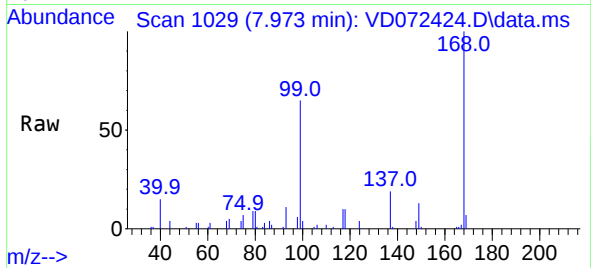




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD072424.D
Acq: 25 Mar 2022 12:54

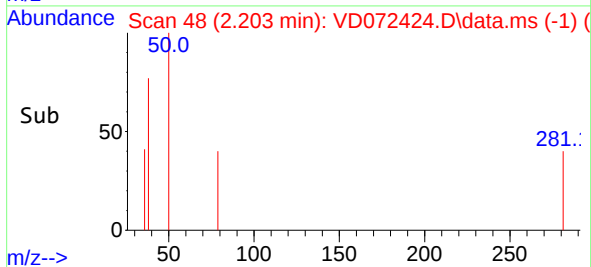
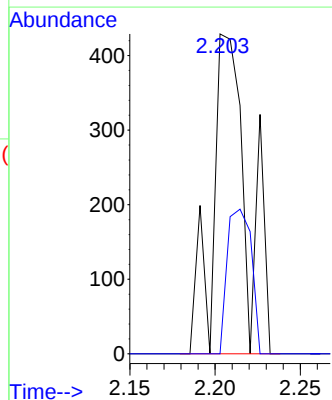
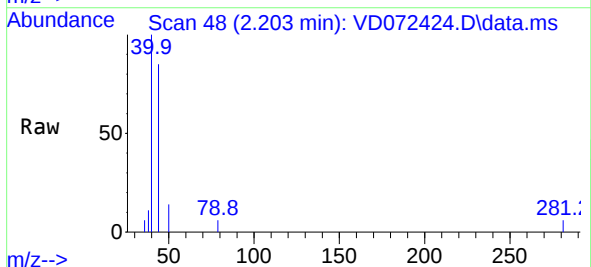
Instrument :
MSVOA_D
ClientSampleId :
TP-1

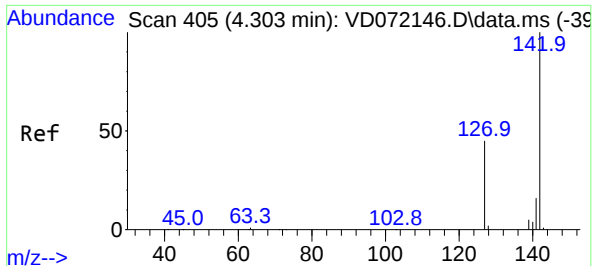
Tgt Ion:168 Resp: 56398
Ion Ratio Lower Upper
168 100
99 65.5 49.8 74.6



#3
Chloromethane
Concen: 1.299 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD072424.D
Acq: 25 Mar 2022 12:54

Tgt Ion: 50 Resp: 602
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

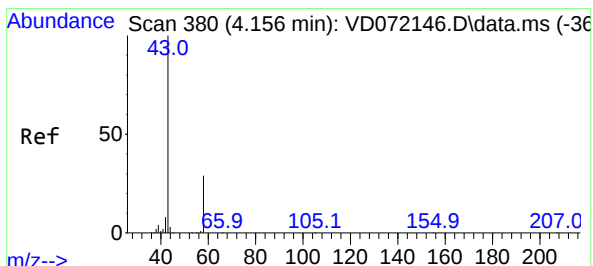
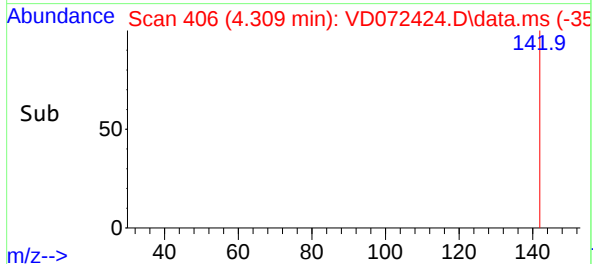
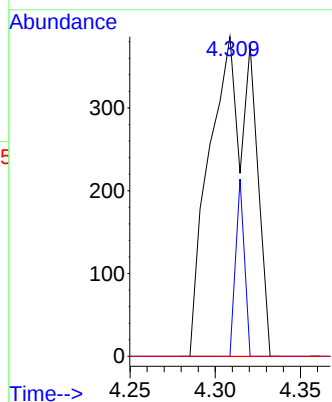
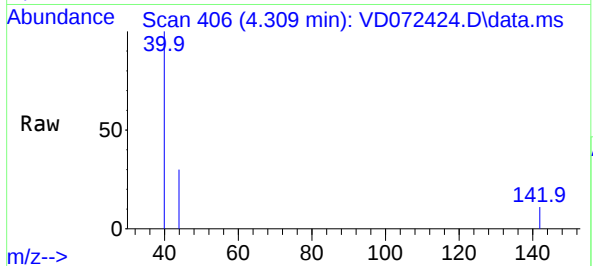




#10
Methyl Iodide
Concen: 3.341 ug/l
RT: 4.309 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD072424.D
Acq: 25 Mar 2022 12:54

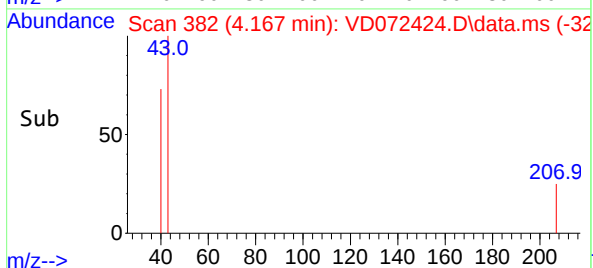
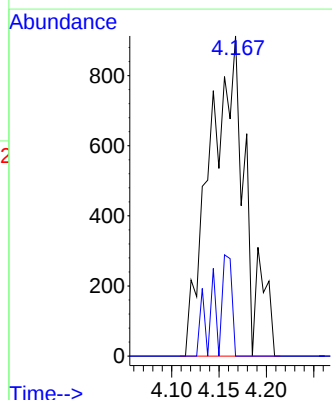
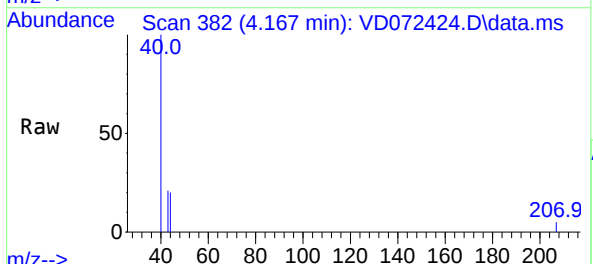
Instrument :
MSVOA_D
ClientSampleId :
TP-1

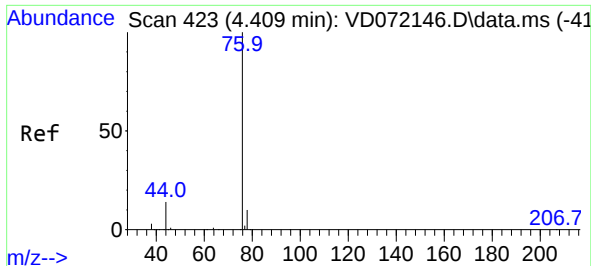
Tgt Ion:142 Resp: 673
Ion Ratio Lower Upper
142 100
127 11.3 37.3 55.9#
141 0.0 11.7 17.5#



#16
Acetone
Concen: 17.631 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD072424.D
Acq: 25 Mar 2022 12:54

Tgt Ion: 43 Resp: 2406
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#

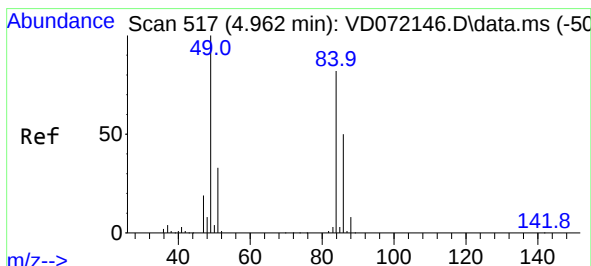
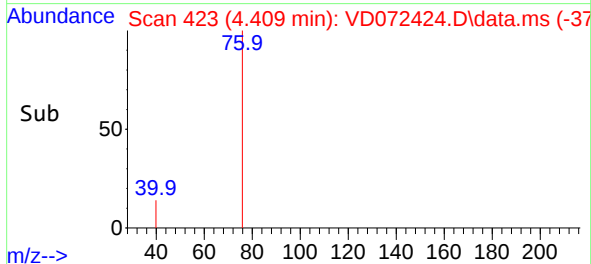
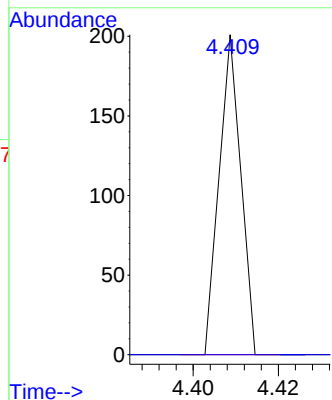
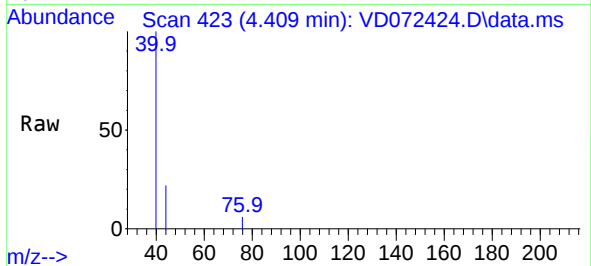




#17
Carbon Disulfide
Concen: 1.557 ug/l
RT: 4.409 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD072424.D
Acq: 25 Mar 2022 12:54

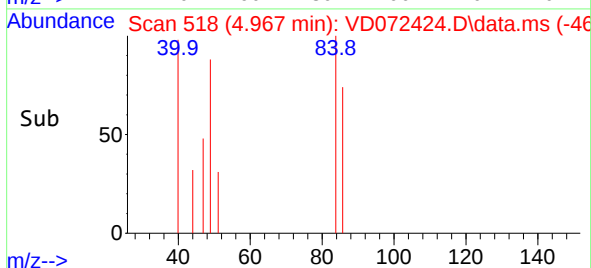
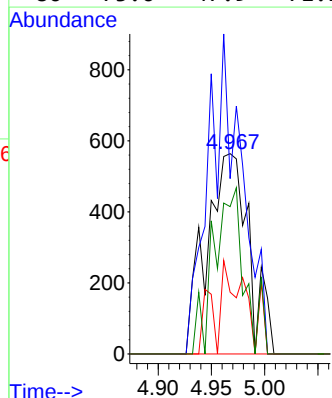
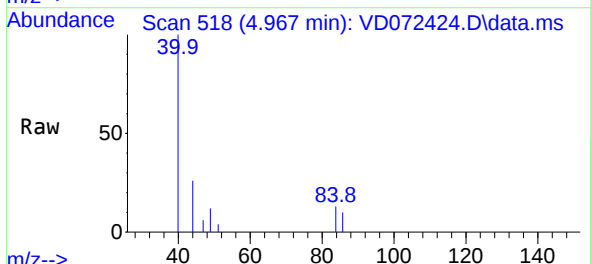
Instrument :
MSVOA_D
ClientSampleId :
TP-1

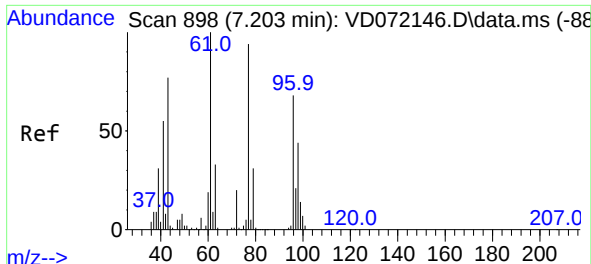
Tgt Ion: 76 Resp: 71
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD072424.D
Acq: 25 Mar 2022 12:54

Tgt Ion: 84 Resp: 1562
Ion Ratio Lower Upper
84 100
49 87.6 112.8 169.2#
51 30.9 32.6 48.8#
86 73.6 47.9 71.9#





#25

2-Butanone

Concen: 1.962 ug/l

RT: 7.238 min Scan# 904

Delta R.T. 0.035 min

Lab File: VD072424.D

Acq: 25 Mar 2022 12:54

Instrument :

MSVOA_D

ClientSampleId :

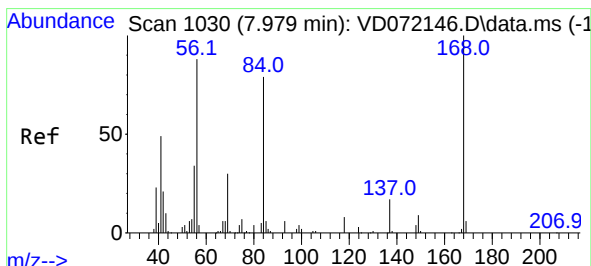
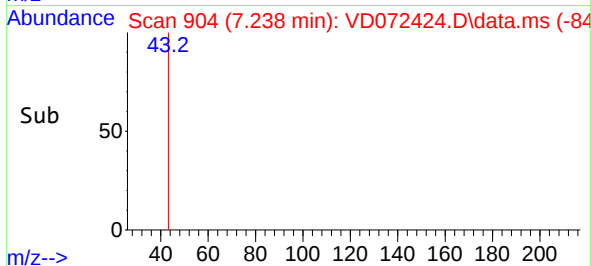
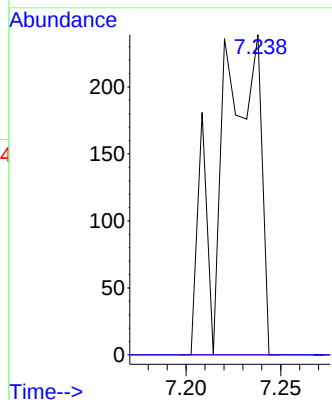
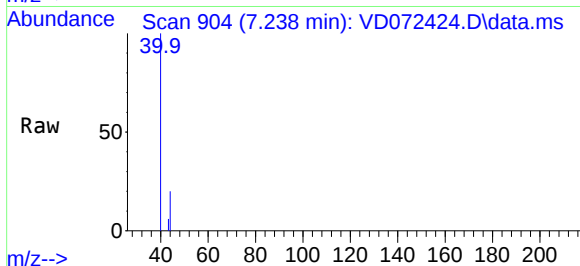
TP-1

Tgt Ion: 43 Resp: 357

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



#31

Cyclohexane

Concen: 1.766 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. 0.006 min

Lab File: VD072424.D

Acq: 25 Mar 2022 12:54

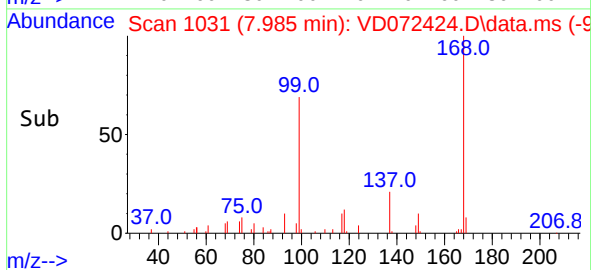
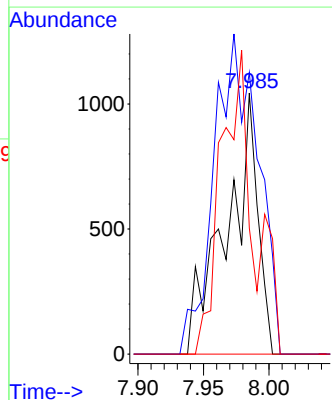
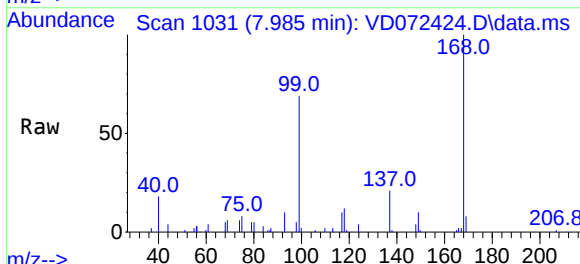
Tgt Ion: 56 Resp: 1734

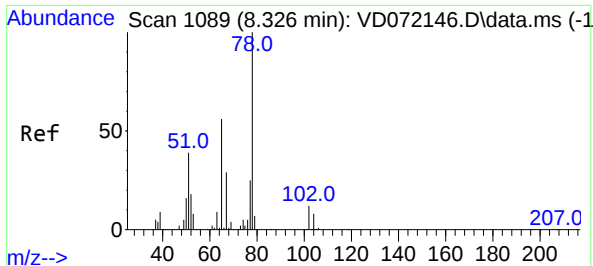
Ion Ratio Lower Upper

56 100

69 107.9 25.4 38.2#

84 48.3 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 66.128 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072424.D

Acq: 25 Mar 2022 12:54

Instrument :

MSVOA_D

ClientSampleId :

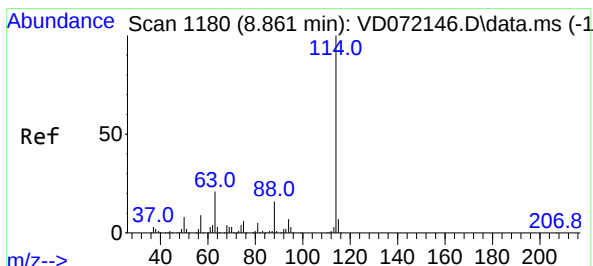
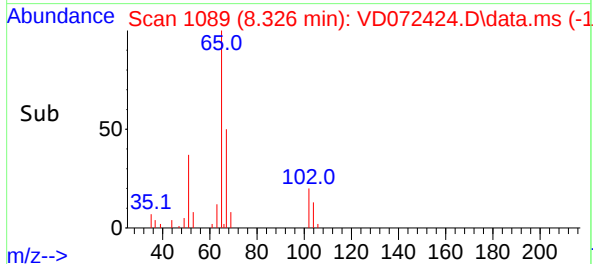
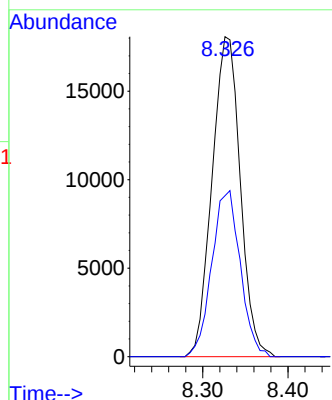
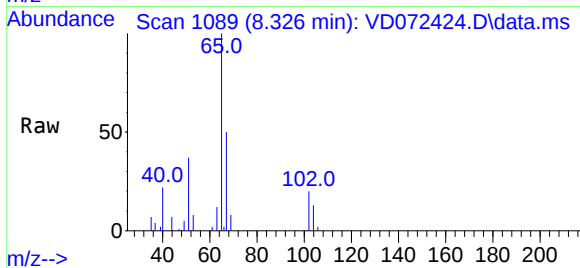
TP-1

Tgt Ion: 65 Resp: 41563

Ion Ratio Lower Upper

65 100

67 52.5 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072424.D

Acq: 25 Mar 2022 12:54

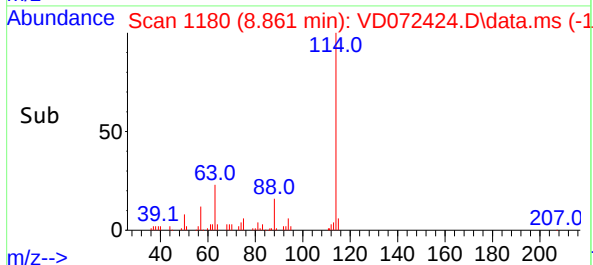
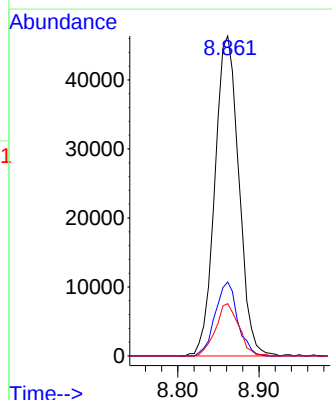
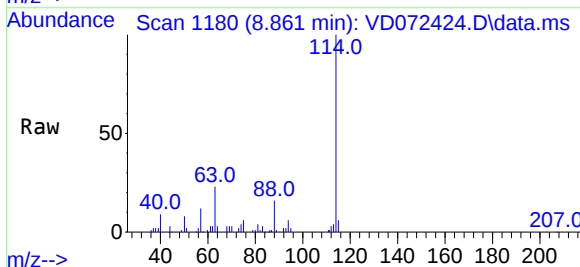
Tgt Ion: 114 Resp: 95093

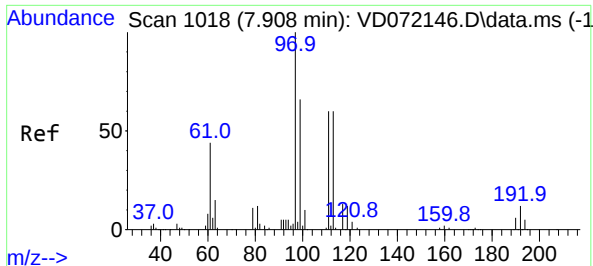
Ion Ratio Lower Upper

114 100

63 23.1 0.0 46.6

88 16.4 0.0 33.2

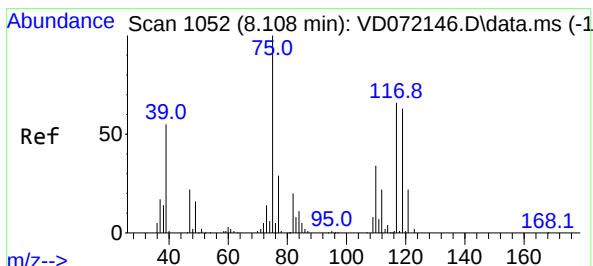
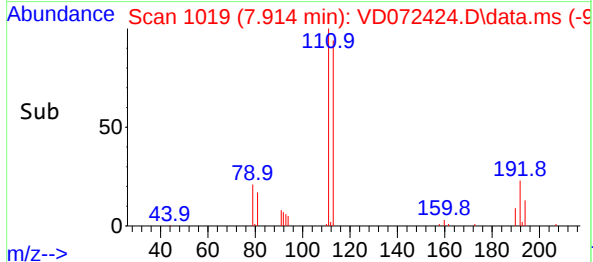
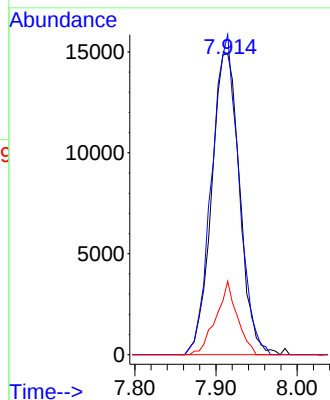
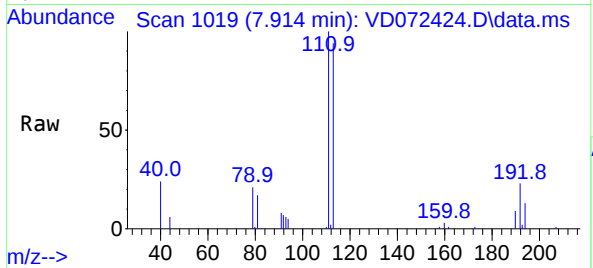




#35
Dibromofluoromethane
Concen: 53.655 ug/l
RT: 7.914 min Scan# 1018
Delta R.T. 0.006 min
Lab File: VD072424.D
Acq: 25 Mar 2022 12:54

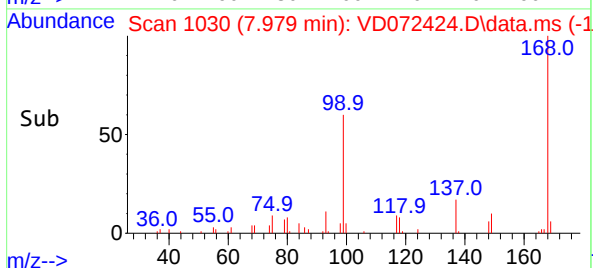
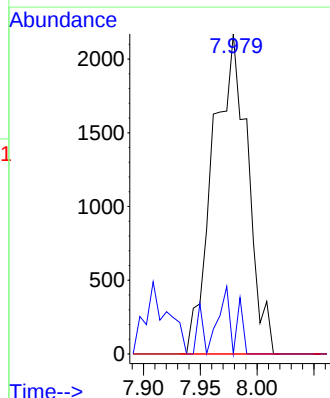
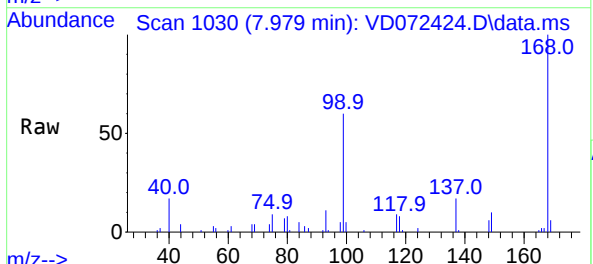
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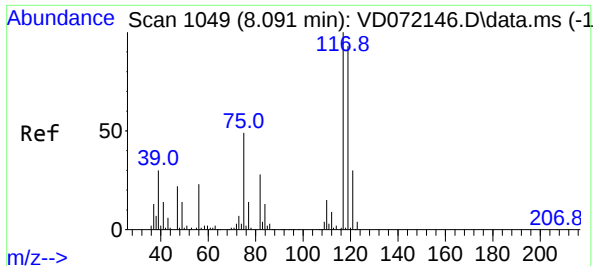
Tgt Ion:113 Resp: 35905
Ion Ratio Lower Upper
113 100
111 102.6 83.8 125.6
192 18.5 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.916 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD072424.D
Acq: 25 Mar 2022 12:54

Tgt Ion: 75 Resp: 4615
Ion Ratio Lower Upper
75 100
110 9.7 16.4 49.1#
77 0.0 24.2 36.2#

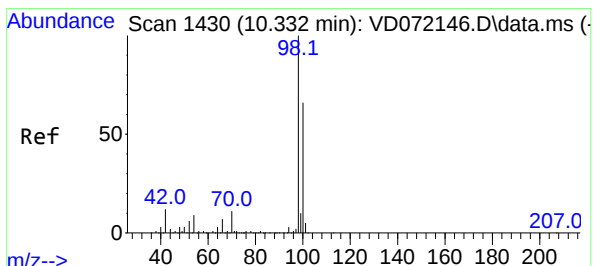
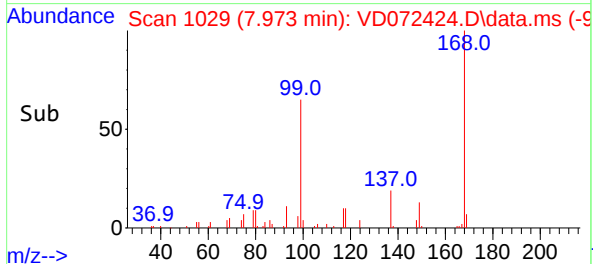
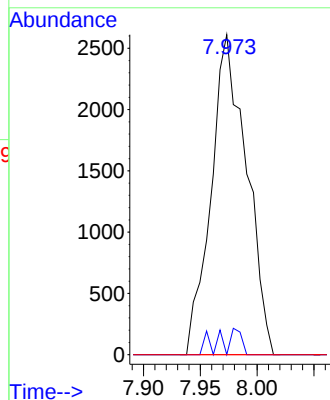
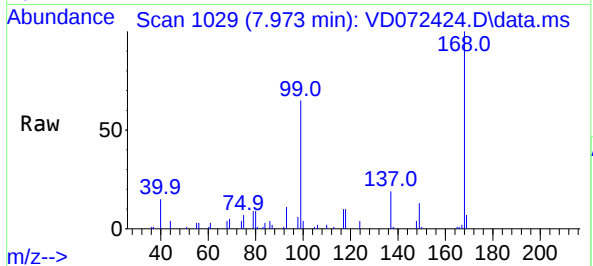




#38
Carbon Tetrachloride
Concen: 5.312 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD072424.D
Acq: 25 Mar 2022 12:54

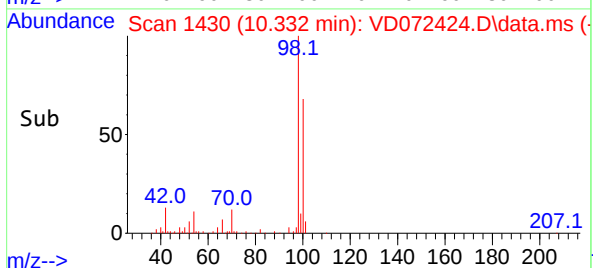
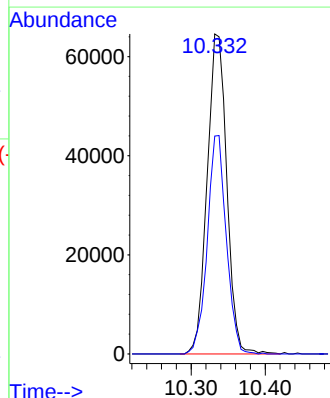
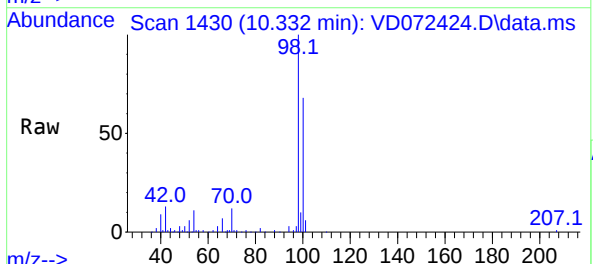
Instrument :
MSVOA_D
ClientSampleId :
TP-1

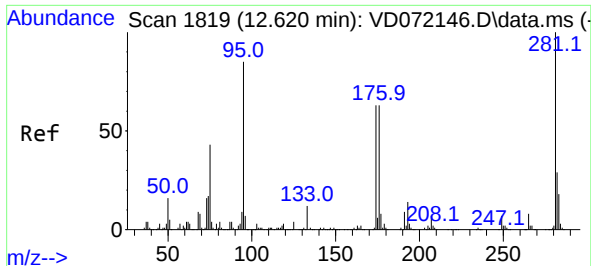
Tgt Ion:117 Resp: 5669
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.564 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD072424.D
Acq: 25 Mar 2022 12:54

Tgt Ion: 98 Resp: 118829
Ion Ratio Lower Upper
98 100
100 66.1 52.4 78.6

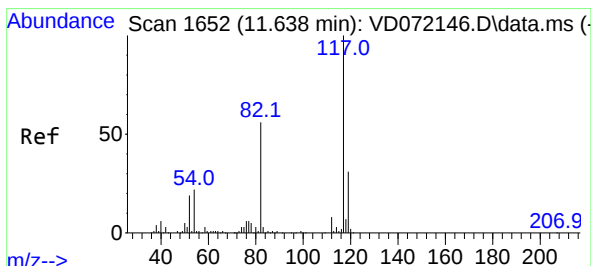
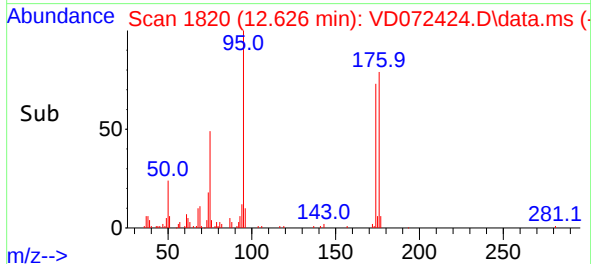
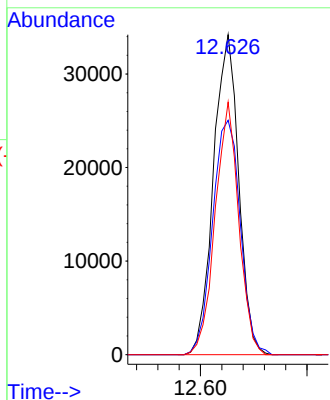
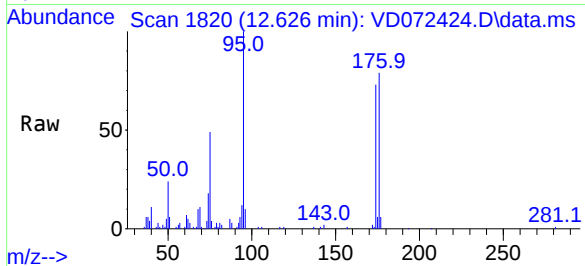




#62
4-Bromofluorobenzene
Concen: 58.945 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD072424.D
Acq: 25 Mar 2022 12:54

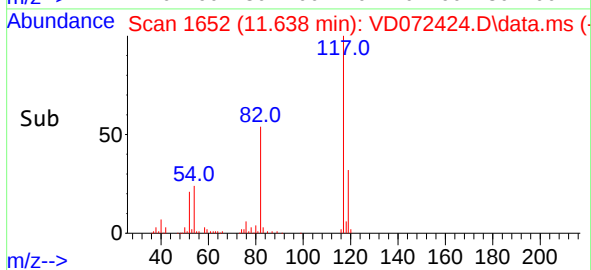
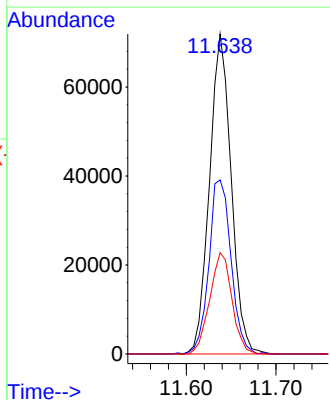
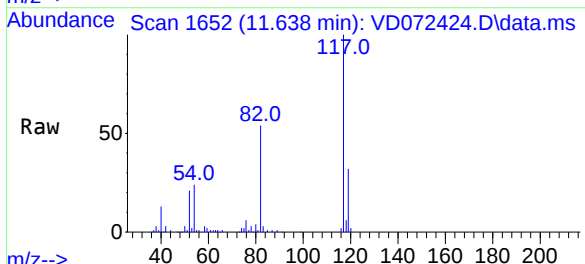
Instrument :
MSVOA_D
ClientSampleId :
TP-1

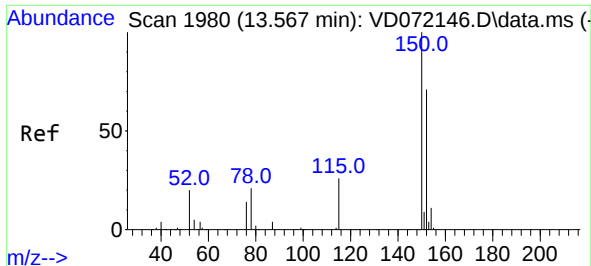
Tgt Ion:	95	Resp:	56041
Ion	Ratio	Lower	Upper
95	100		
174	80.7	0.0	152.8
176	73.9	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072424.D
Acq: 25 Mar 2022 12:54

Tgt Ion:	117	Resp:	120934
Ion	Ratio	Lower	Upper
117	100		
82	54.4	45.3	67.9
119	31.6	26.6	40.0

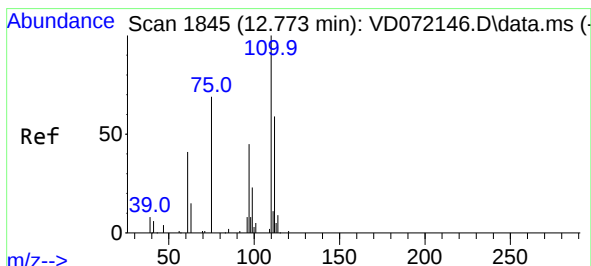
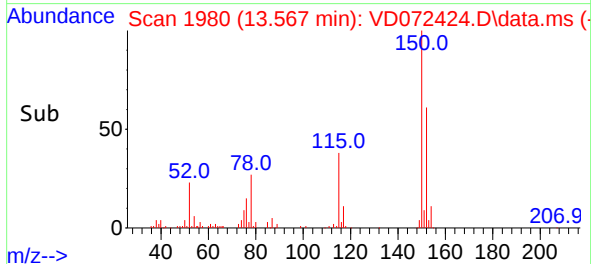
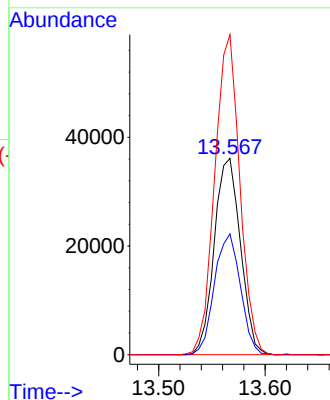
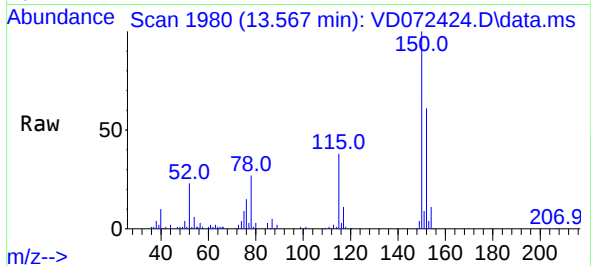




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072424.D
Acq: 25 Mar 2022 12:54

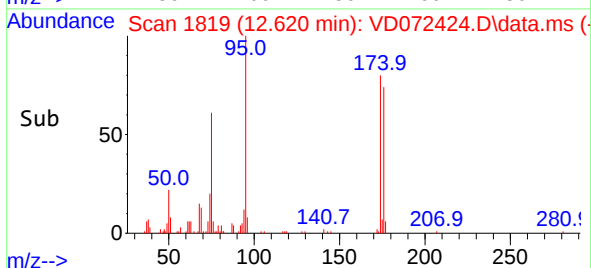
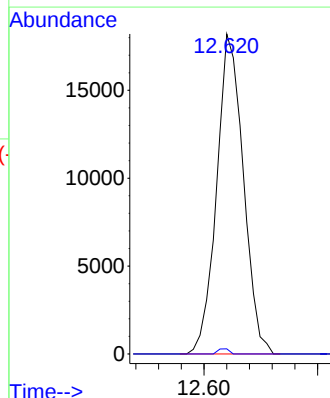
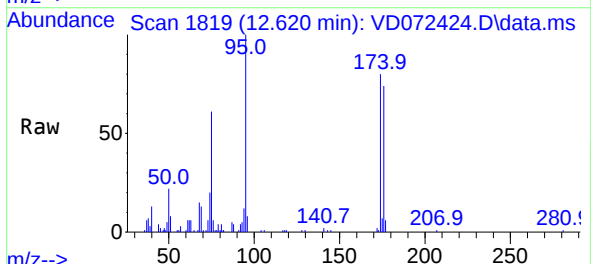
Instrument :
MSVOA_D
ClientSampleId :
TP-1

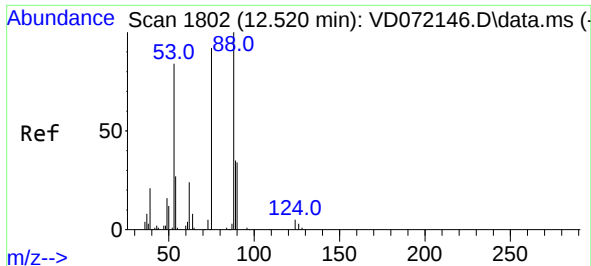
Tgt Ion:152 Resp: 61795
Ion Ratio Lower Upper
152 100
115 60.9 31.3 93.8
150 156.0 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 43.547 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072424.D
Acq: 25 Mar 2022 12:54

Tgt Ion: 75 Resp: 29684
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.045 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.100 min
 Lab File: VD072424.D
 Acq: 25 Mar 2022 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

Tgt Ion: 75 Resp: 29684
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.0 33.9 50.9#

