

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032122\
 Data File : VD072341.D
 Acq On : 21 Mar 2022 15:39
 Operator : VA/SY
 Sample : N1970-03
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 G-3-6-9-10

Quant Time: Mar 22 02:12:16 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)

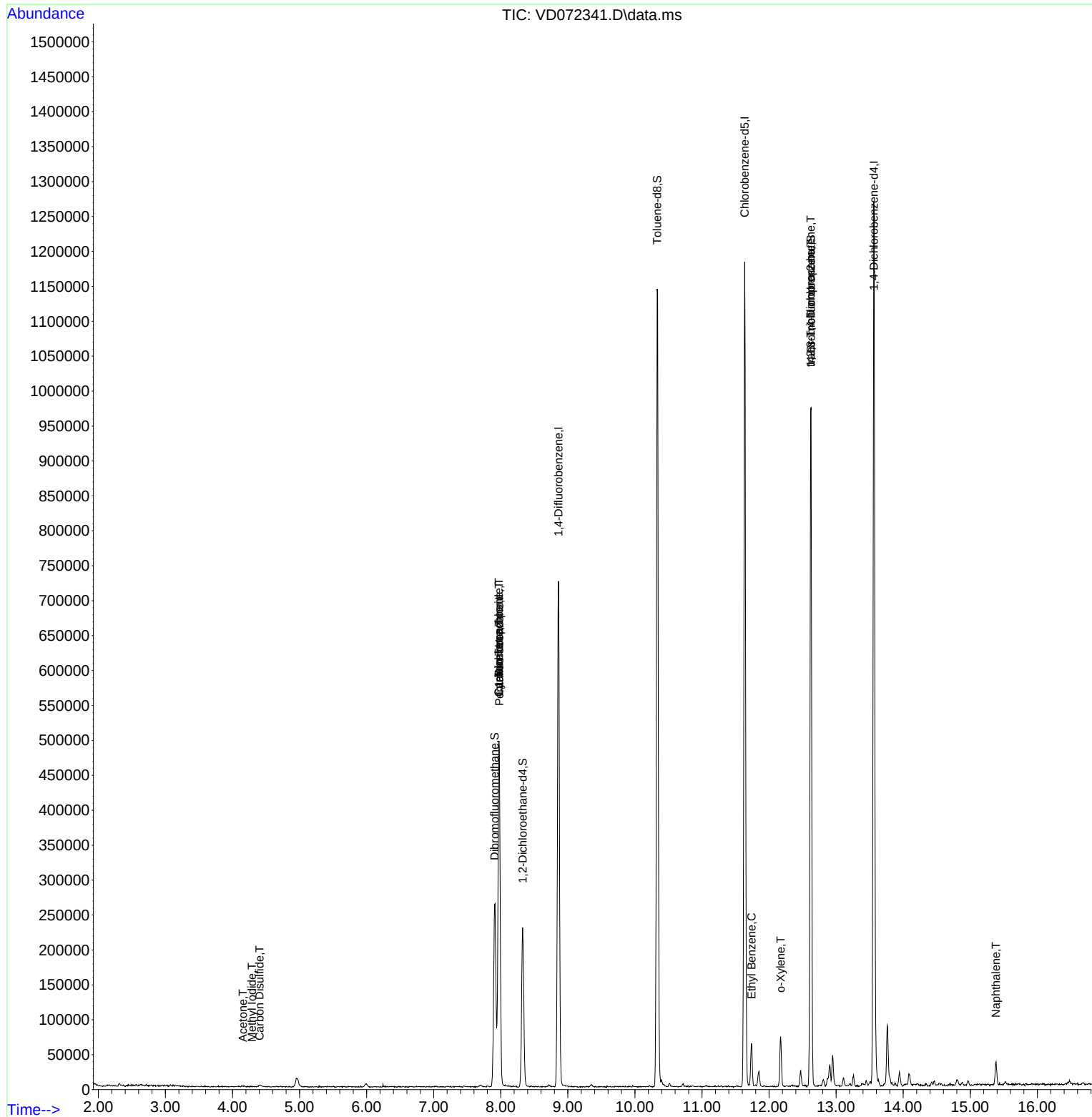
Internal Standards						
1) Pentafluorobenzene	7.979	168	360765	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	615017	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	672284	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	334658	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	181792	45.216	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.440%
35) Dibromofluoromethane	7.908	113	191612	44.273	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.540%
50) Toluene-d8	10.332	98	777958	49.160	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.320%
62) 4-Bromofluorobenzene	12.626	95	330110	53.686	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	107.380%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.291	142	219	2.283	ug/l #	38
16) Acetone	4.156	43	1901	2.178	ug/l #	47
17) Carbon Disulfide	4.403	76	5246	2.159	ug/l #	89
20) Methylene Chloride	4.956	84	10245	Below Cal	#	85
31) Cyclohexane	7.973	56	9255	1.473	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	29646	4.883	ug/l #	51
38) Carbon Tetrachloride	7.973	117	37121	5.379	ug/l #	18
67) Ethyl Benzene	11.738	91	42799	1.608	ug/l	96
69) o-Xylene	12.173	106	19353	2.002	ug/l	93
76) 1,2,3-Trichloropropane	12.620	75	170434	46.168	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	170434	114.548	ug/l #	7
95) Naphthalene	15.384	128	26592	2.136	ug/l	98

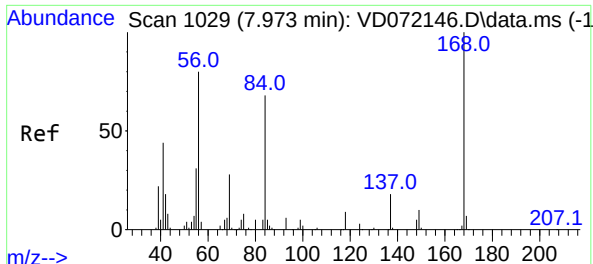
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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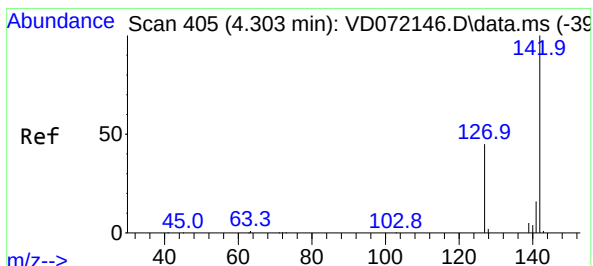
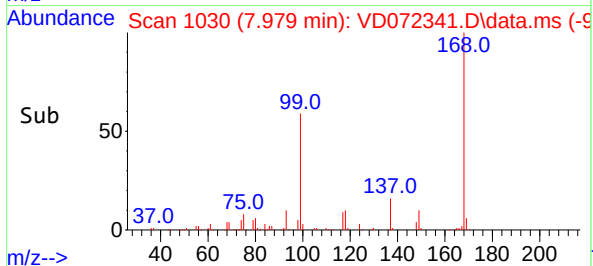
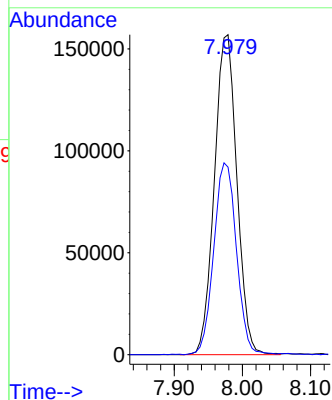
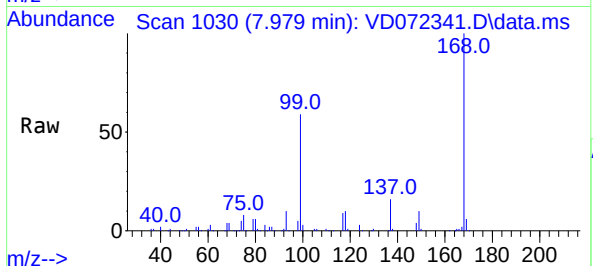




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD072341.D
Acq: 21 Mar 2022 15:39

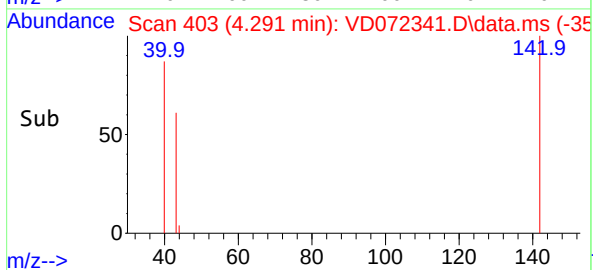
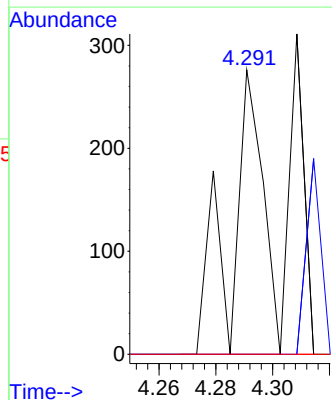
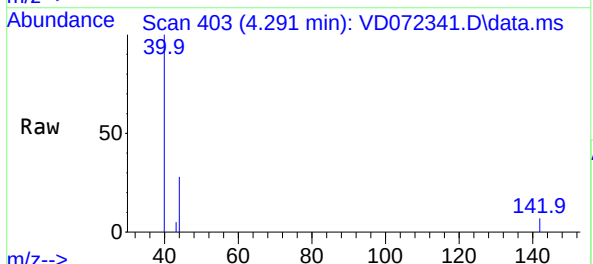
Instrument :
MSVOA_D
ClientSampleId :
G-3-6-9-10

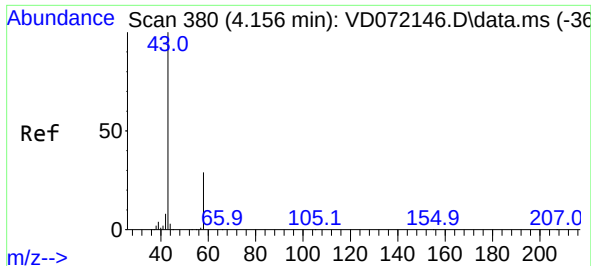
Tgt Ion:168 Resp: 360765
Ion Ratio Lower Upper
168 100
99 58.4 49.8 74.6



#10
Methyl Iodide
Concen: 2.283 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD072341.D
Acq: 21 Mar 2022 15:39

Tgt Ion:142 Resp: 219
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#

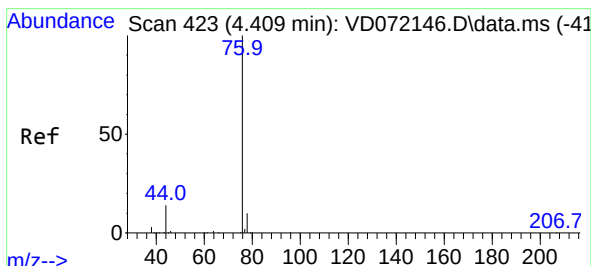
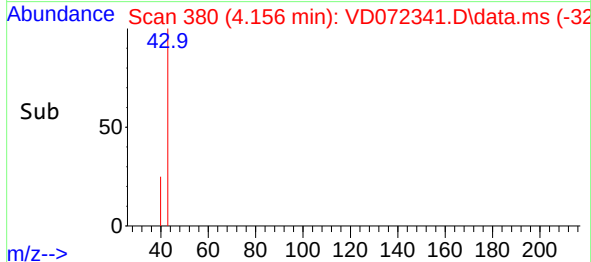
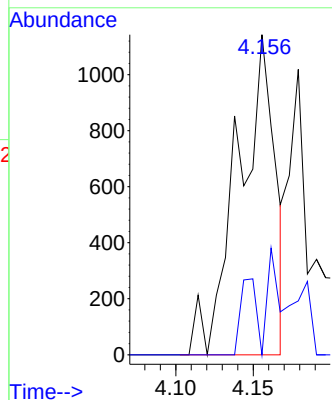
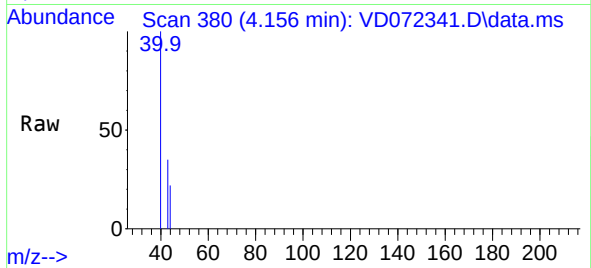




#16
Acetone
Concen: 2.178 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD072341.D
Acq: 21 Mar 2022 15:39

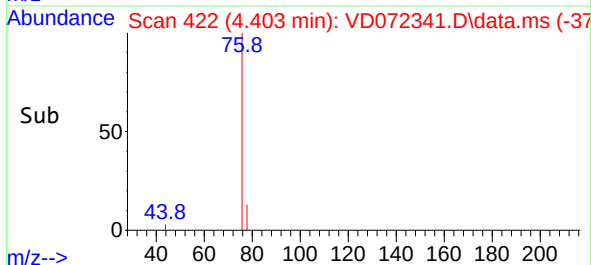
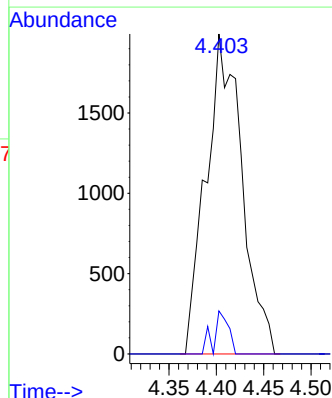
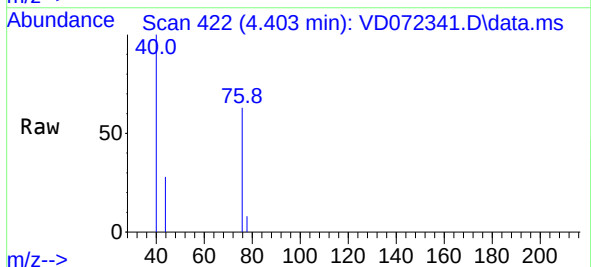
Instrument :
MSVOA_D
ClientSampleId :
G-3-6-9-10

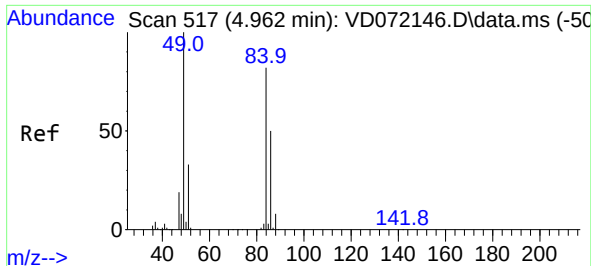
Tgt Ion: 43 Resp: 1901
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#17
Carbon Disulfide
Concen: 2.159 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD072341.D
Acq: 21 Mar 2022 15:39

Tgt Ion: 76 Resp: 5246
Ion Ratio Lower Upper
76 100
78 13.5 7.5 11.3#

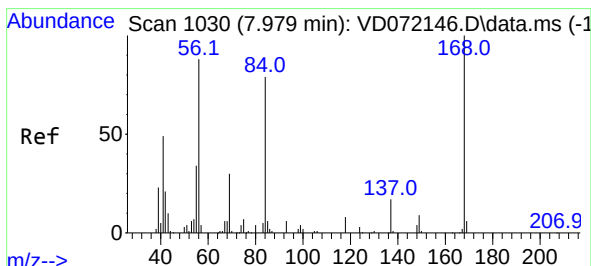
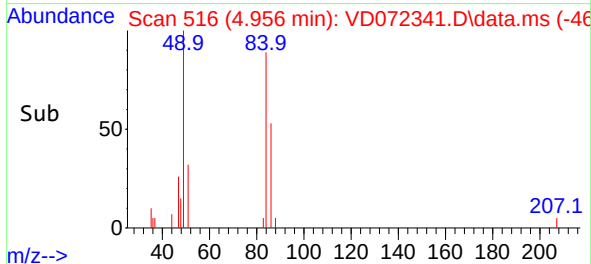
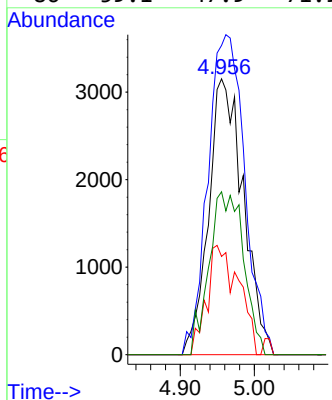
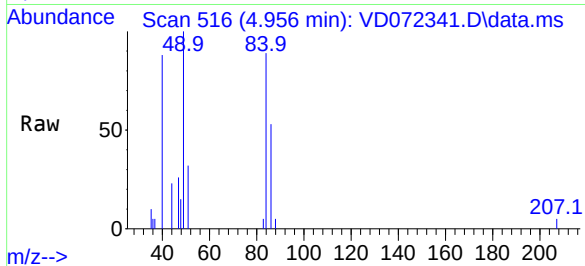




#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD072341.D
Acq: 21 Mar 2022 15:39

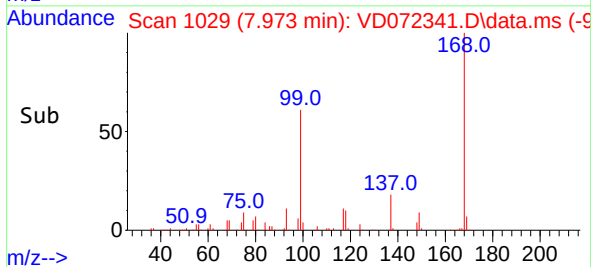
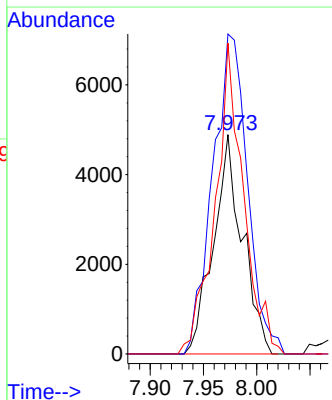
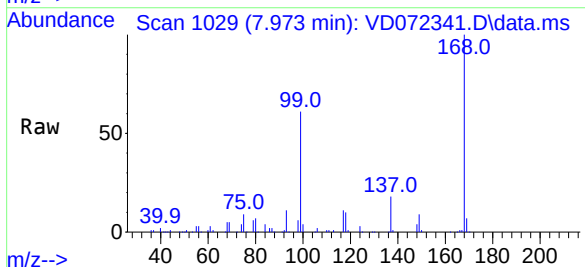
Instrument :
MSVOA_D
ClientSampleId :
G-3-6-9-10

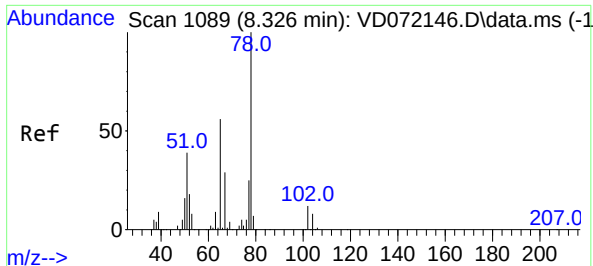
Tgt Ion:	84	Resp:	10245
Ion	Ratio	Lower	Upper
84	100		
49	112.1	112.8	169.2#
51	35.6	32.6	48.8
86	59.1	47.9	71.9



#31
Cyclohexane
Concen: 1.473 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072341.D
Acq: 21 Mar 2022 15:39

Tgt Ion:	56	Resp:	9255
Ion	Ratio	Lower	Upper
56	100		
69	145.9	25.4	38.2#
84	141.8	63.0	94.4#





#33

1,2-Dichloroethane-d4

Concen: 45.216 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072341.D

Acq: 21 Mar 2022 15:39

Instrument :

MSVOA_D

ClientSampleId :

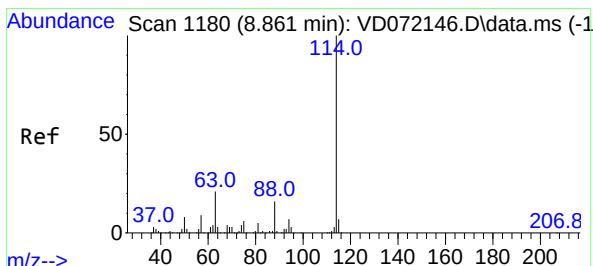
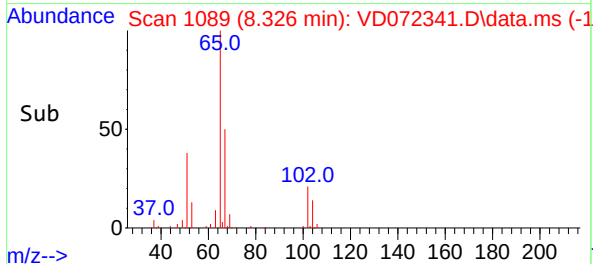
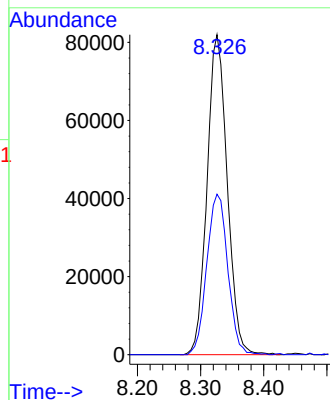
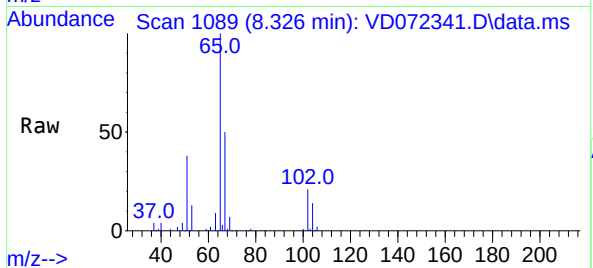
G-3-6-9-10

Tgt Ion: 65 Resp: 181792

Ion Ratio Lower Upper

65 100

67 52.2 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: VD072341.D

Acq: 21 Mar 2022 15:39

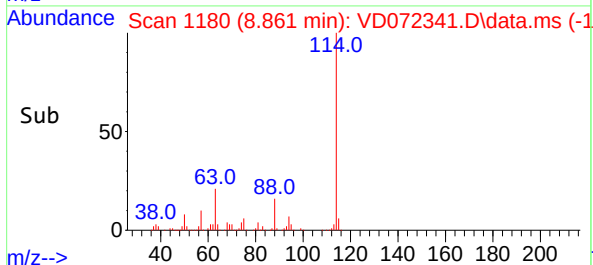
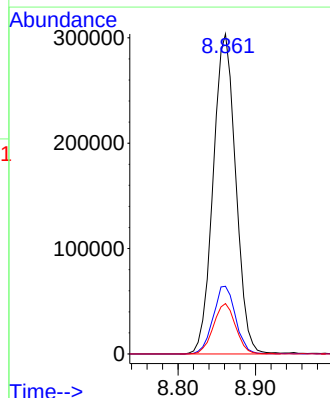
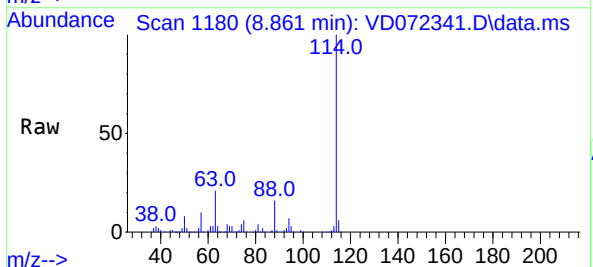
Tgt Ion: 114 Resp: 615017

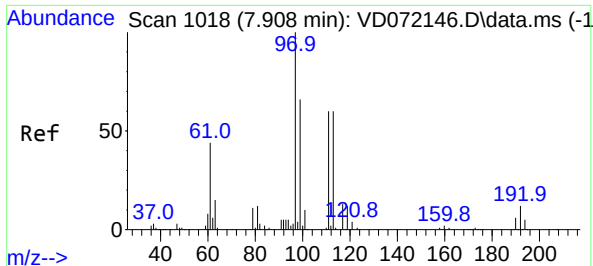
Ion Ratio Lower Upper

114 100

63 21.2 0.0 46.6

88 15.8 0.0 33.2

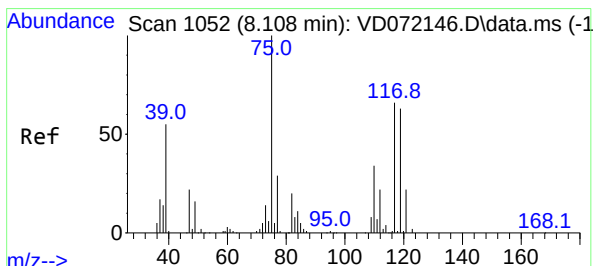
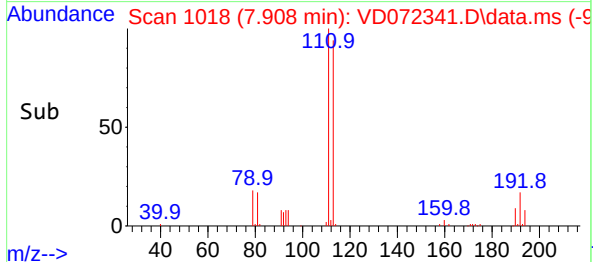
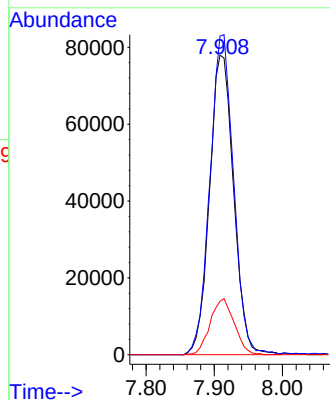
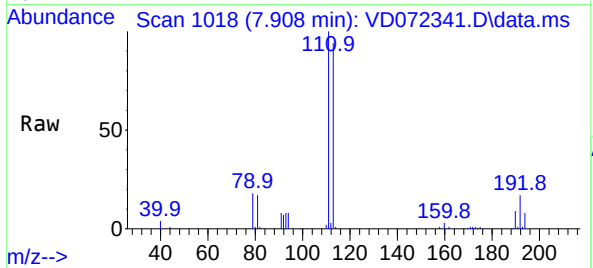




#35
Dibromofluoromethane
Concen: 44.273 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.000 min
Lab File: VD072341.D
Acq: 21 Mar 2022 15:39

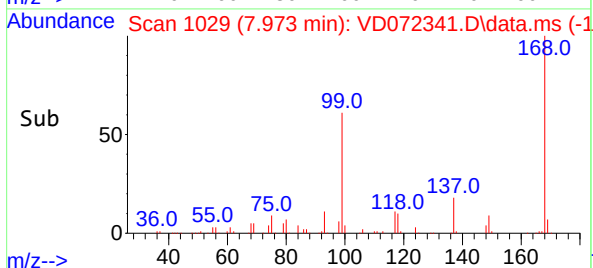
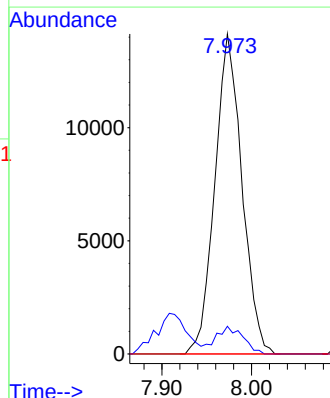
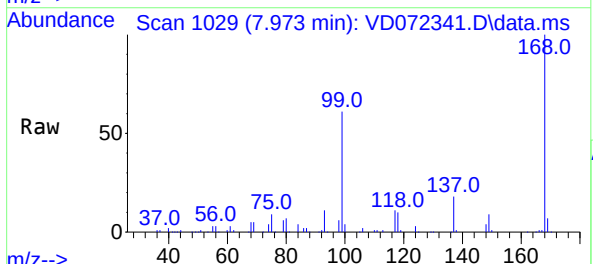
Instrument :
MSVOA_D
ClientSampleId :
G-3-6-9-10

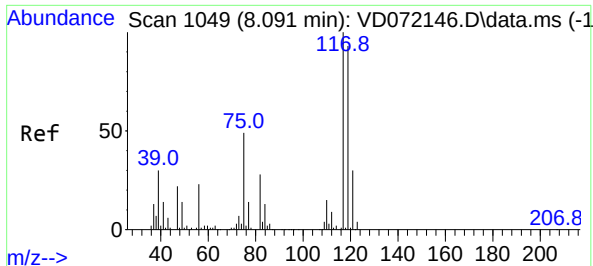
Tgt Ion:113 Resp: 191612
Ion Ratio Lower Upper
113 100
111 104.8 83.8 125.6
192 18.7 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.883 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD072341.D
Acq: 21 Mar 2022 15:39

Tgt Ion: 75 Resp: 29646
Ion Ratio Lower Upper
75 100
110 8.8 16.4 49.1#
77 0.0 24.2 36.2#

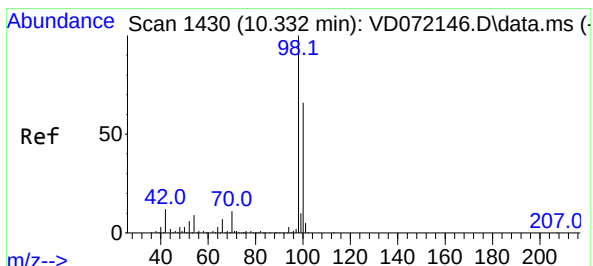
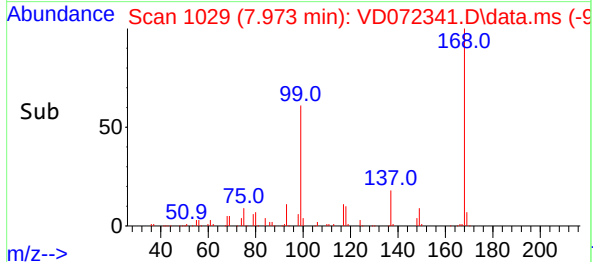
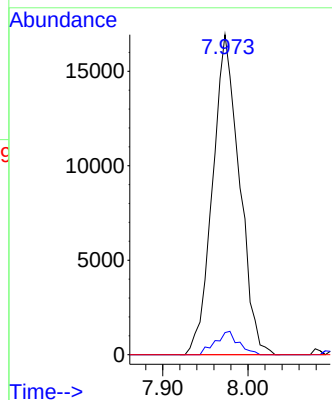
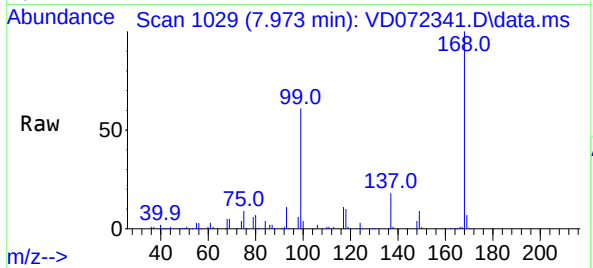




#38
Carbon Tetrachloride
Concen: 5.379 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD072341.D
Acq: 21 Mar 2022 15:39

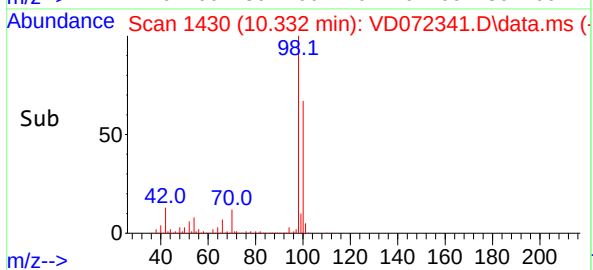
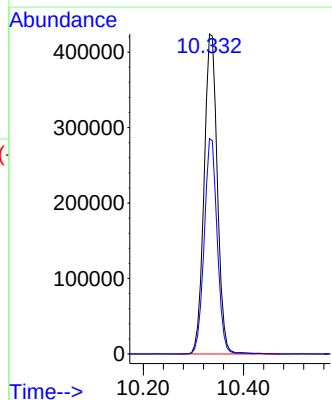
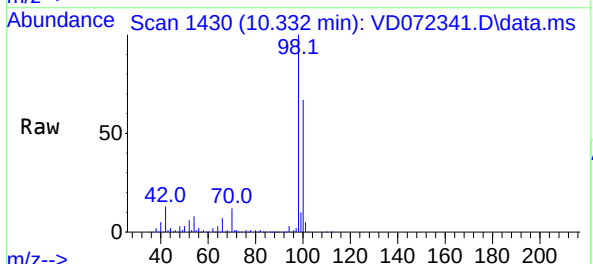
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G-3-6-9-10

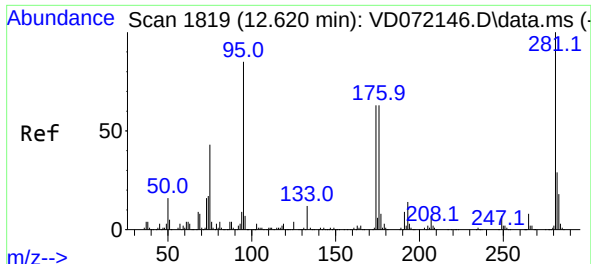
Tgt Ion:117 Resp: 37121
Ion Ratio Lower Upper
117 100
119 6.9 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.160 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072341.D
Acq: 21 Mar 2022 15:39

Tgt Ion: 98 Resp: 777958
Ion Ratio Lower Upper
98 100
100 65.9 52.4 78.6

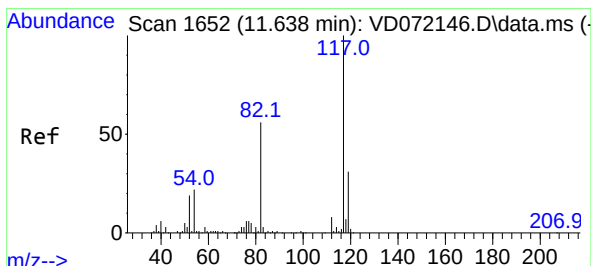
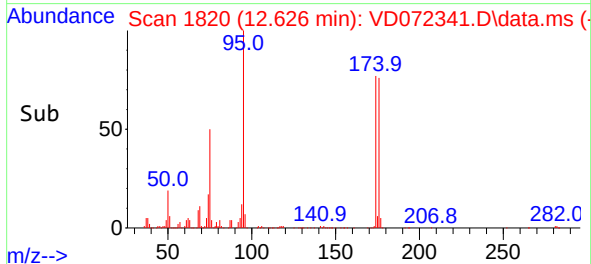
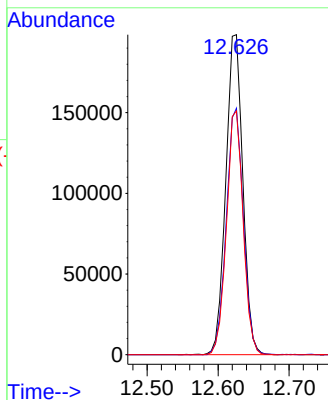
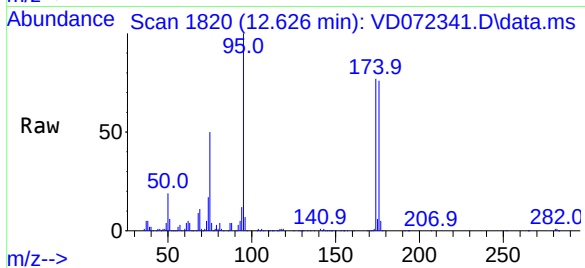




#62
4-Bromofluorobenzene
Concen: 53.686 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD072341.D
Acq: 21 Mar 2022 15:39

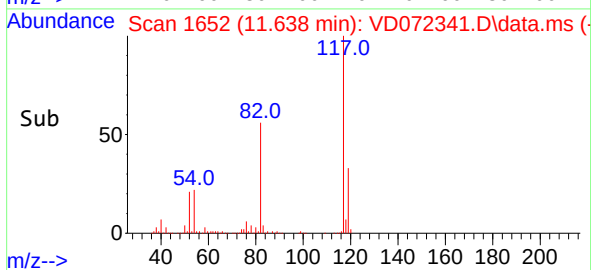
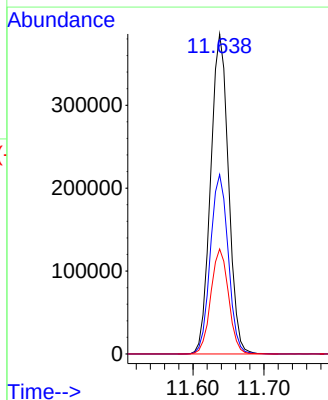
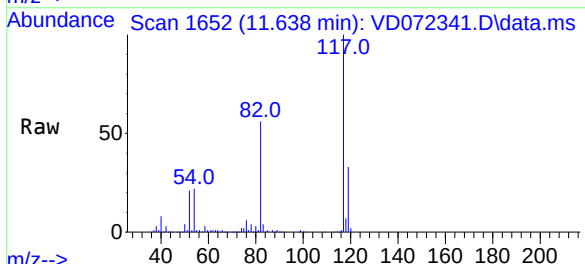
Instrument :
MSVOA_D
ClientSampleId :
G-3-6-9-10

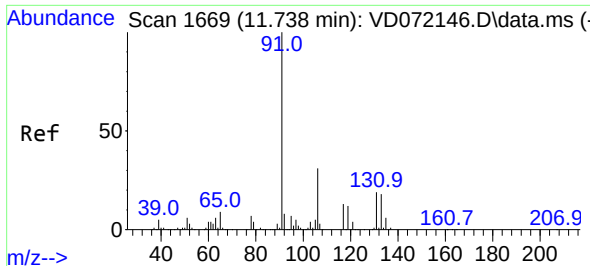
Tgt Ion: 95 Resp: 330110
Ion Ratio Lower Upper
95 100
174 77.3 0.0 152.8
176 74.5 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072341.D
Acq: 21 Mar 2022 15:39

Tgt Ion: 117 Resp: 672284
Ion Ratio Lower Upper
117 100
82 56.0 45.3 67.9
119 32.8 26.6 40.0





#67

Ethyl Benzene

Concen: 1.608 ug/l

RT: 11.738 min Scan# 1669

Delta R.T. -0.000 min

Lab File: VD072341.D

Acq: 21 Mar 2022 15:39

Instrument :

MSVOA_D

ClientSampleId :

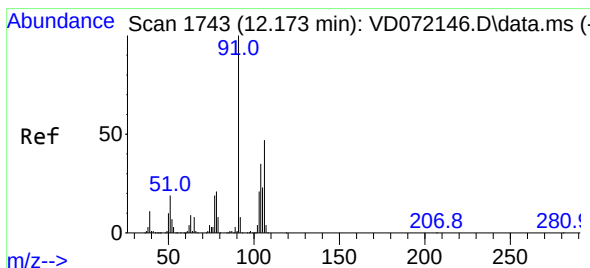
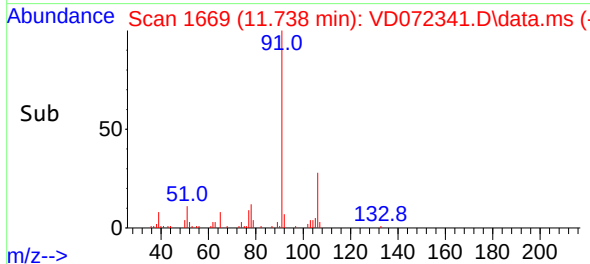
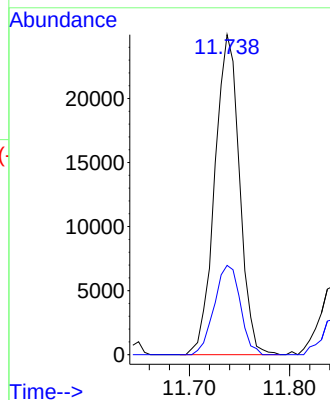
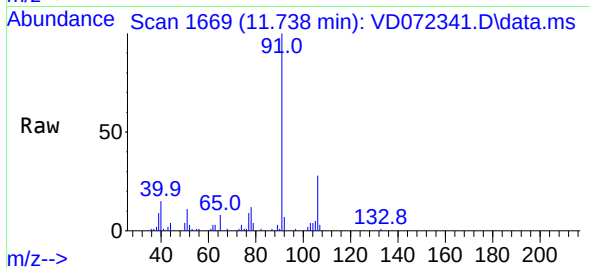
G-3-6-9-10

Tgt Ion: 91 Resp: 42799

Ion Ratio Lower Upper

91 100

106 27.9 24.2 36.4



#69

o-Xylene

Concen: 2.002 ug/l

RT: 12.173 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VD072341.D

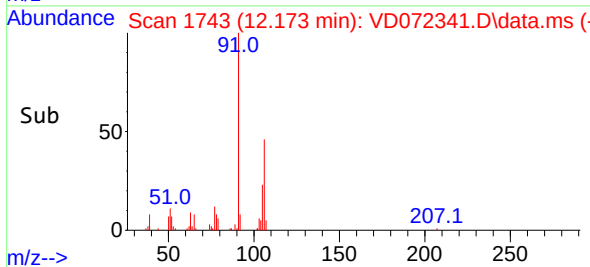
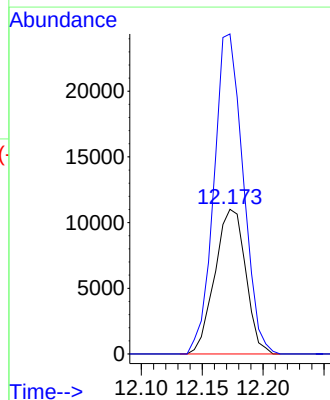
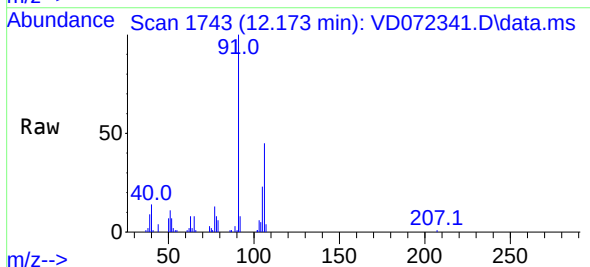
Acq: 21 Mar 2022 15:39

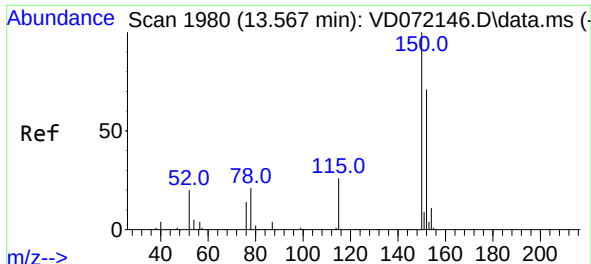
Tgt Ion: 106 Resp: 19353

Ion Ratio Lower Upper

106 100

91 209.9 110.4 331.2

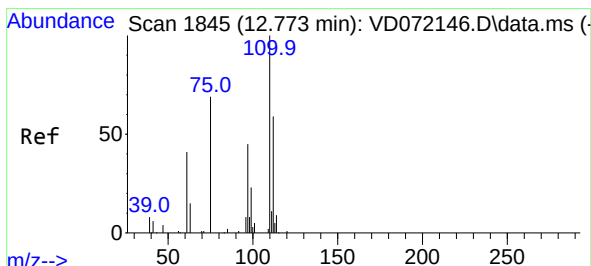
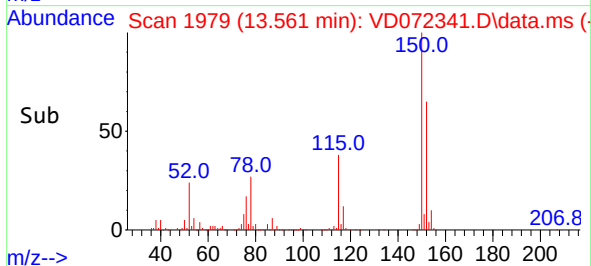
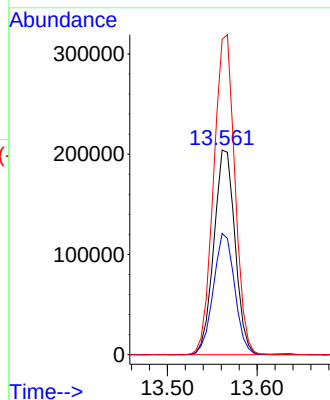
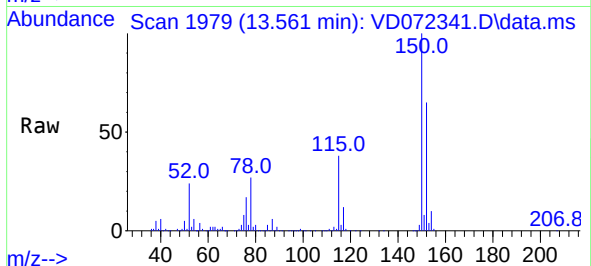




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072341.D
Acq: 21 Mar 2022 15:39

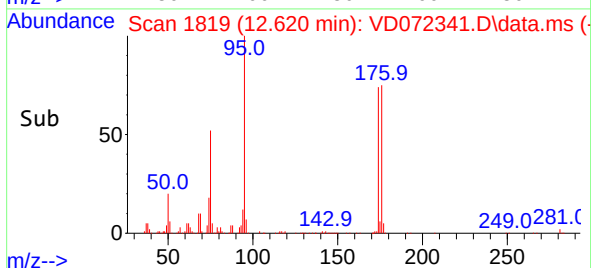
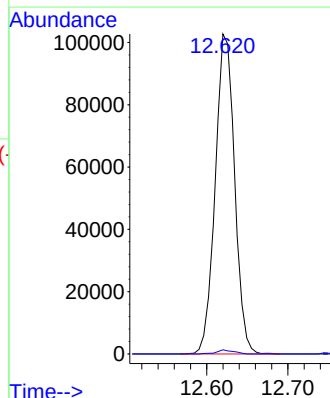
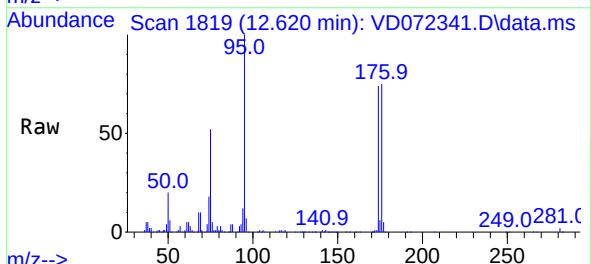
Instrument :
MSVOA_D
ClientSampleId :
G-3-6-9-10

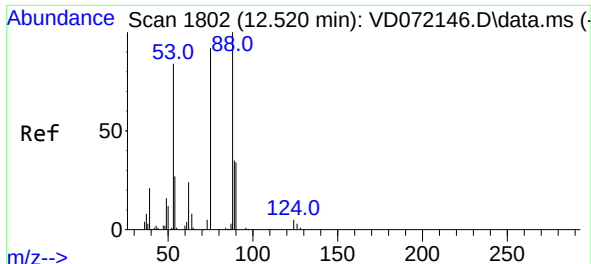
Tgt Ion:152 Resp: 334658
Ion Ratio Lower Upper
152 100
115 60.0 31.3 93.8
150 157.1 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 46.168 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072341.D
Acq: 21 Mar 2022 15:39

Tgt Ion: 75 Resp: 170434
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

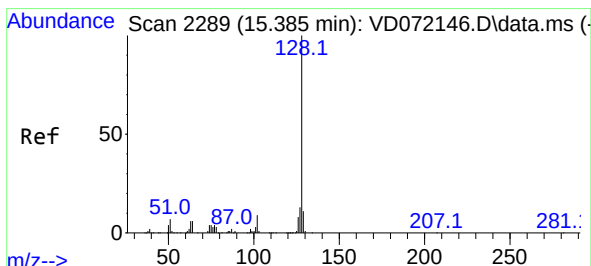
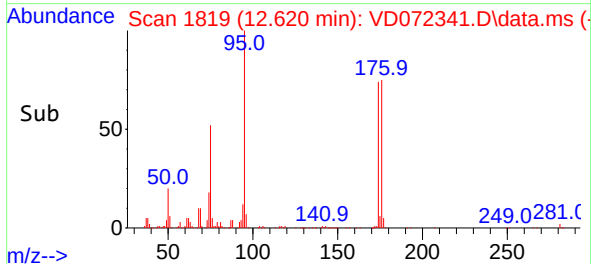
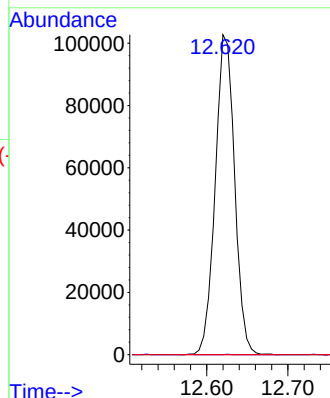
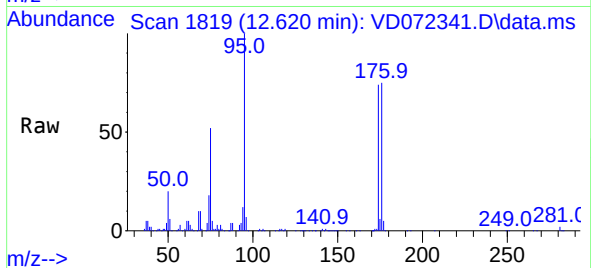




#81
trans-1,4-Dichloro-2-butene
Concen: 114.548 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072341.D
Acq: 21 Mar 2022 15:39

Instrument :
MSVOA_D
ClientSampleId :
G-3-6-9-10

Tgt Ion: 75 Resp: 170434
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 2.136 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD072341.D
Acq: 21 Mar 2022 15:39

Tgt Ion: 128 Resp: 26592
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 12.2 8.4 12.6

