

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032122\
 Data File : VD072348.D
 Acq On : 21 Mar 2022 18:58
 Operator : VA/SY
 Sample : N1966-05
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 G-1-5-9-10

Quant Time: Mar 22 02:13:43 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)

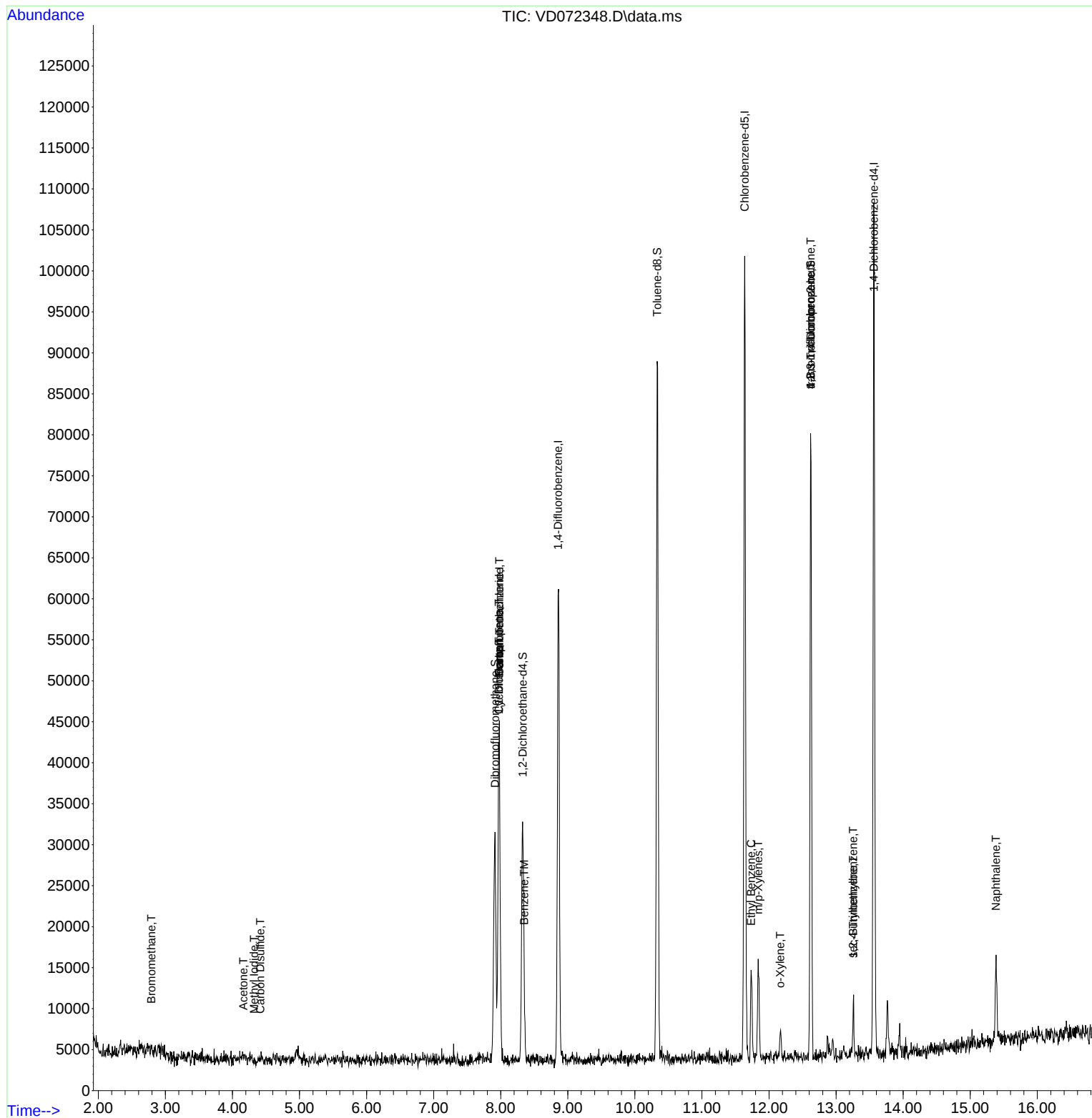
Internal Standards						
1) Pentafluorobenzene	7.979	168	29297	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	49522	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	56392	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	25817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	22491	68.885	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 137.780%			
35) Dibromofluoromethane	7.914	113	19894	57.086	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.180%			
50) Toluene-d8	10.332	98	60001	47.087	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 94.180%			
62) 4-Bromofluorobenzene	12.620	95	24887	50.265	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.520%			
Target Compounds						Qvalue
5) Bromomethane	2.791	94	487	3.218	ug/l #	1
10) Methyl Iodide	4.321	142	73	2.459	ug/l #	38
16) Acetone	4.162	43	1307	18.437	ug/l #	47
17) Carbon Disulfide	4.415	76	137	1.712	ug/l #	74
20) Methylene Chloride	4.968	84	1081	Below Cal	#	61
31) Cyclohexane	7.973	56	519	1.017	ug/l #	44
36) 1,1-Dichloropropene	7.973	75	2217	4.535	ug/l #	43
38) Carbon Tetrachloride	7.979	117	3150	5.668	ug/l #	13
40) Benzene	8.350	78	3267	2.342	ug/l	99
67) Ethyl Benzene	11.732	91	7509	3.363	ug/l #	87
68) m/p-Xylenes	11.838	106	3680	4.340	ug/l	97
69) o-Xylene	12.167	106	1166	1.438	ug/l	97
76) 1,2,3-Trichloropropane	12.620	75	12842	45.094	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	12842	111.882	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.255	105	3493	2.017	ug/l	91
85) sec-Butylbenzene	13.255	105	3493	1.509	ug/l #	57
95) Naphthalene	15.385	128	9140	9.518	ug/l	98

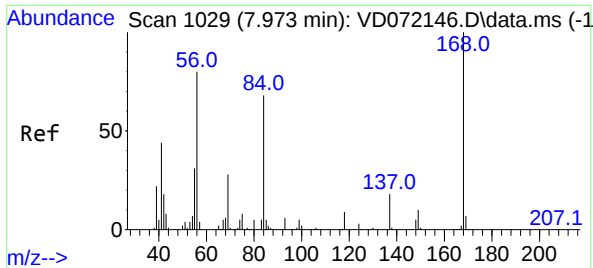
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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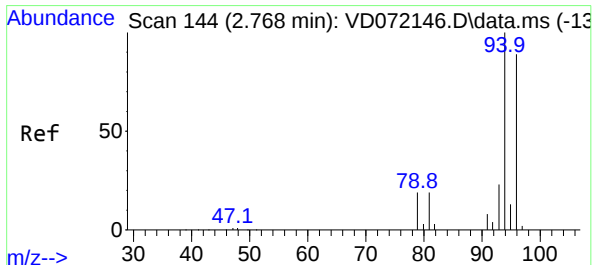
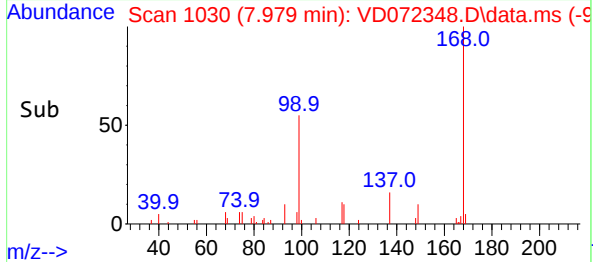
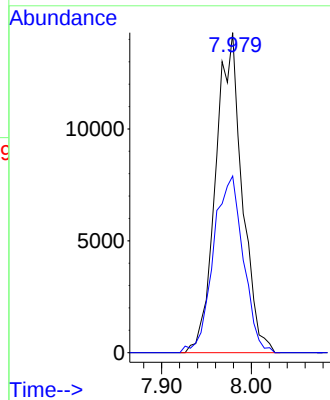
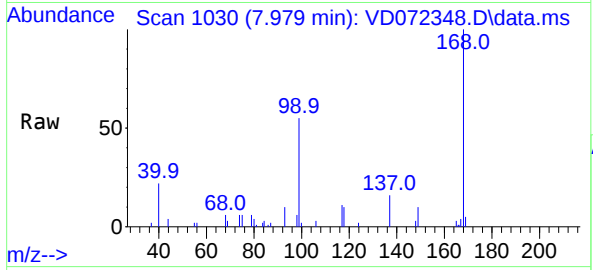




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD072348.D
Acq: 21 Mar 2022 18:58

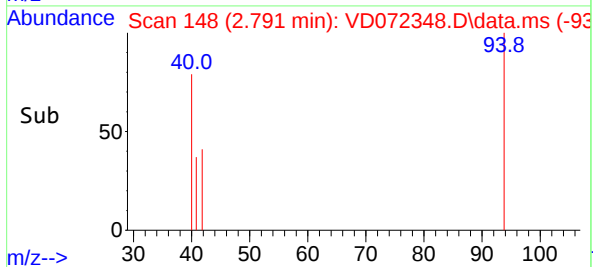
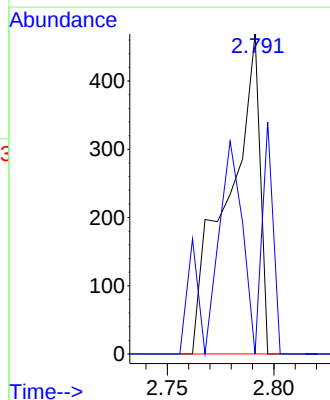
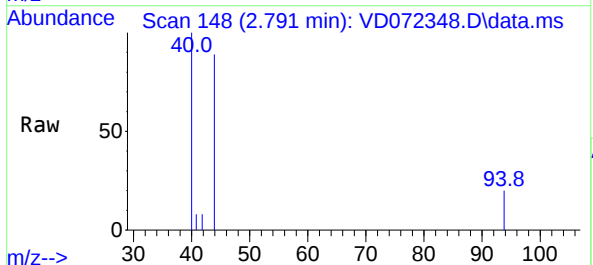
Instrument :
MSVOA_D
ClientSampleId :
G-1-5-9-10

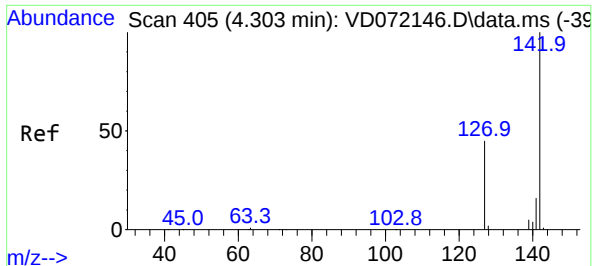
Tgt Ion:168 Resp: 29297
Ion Ratio Lower Upper
168 100
99 55.2 49.8 74.6



#5
Bromomethane
Concen: 3.218 ug/l
RT: 2.791 min Scan# 148
Delta R.T. 0.024 min
Lab File: VD072348.D
Acq: 21 Mar 2022 18:58

Tgt Ion: 94 Resp: 487
Ion Ratio Lower Upper
94 100
96 0.0 77.6 116.4#

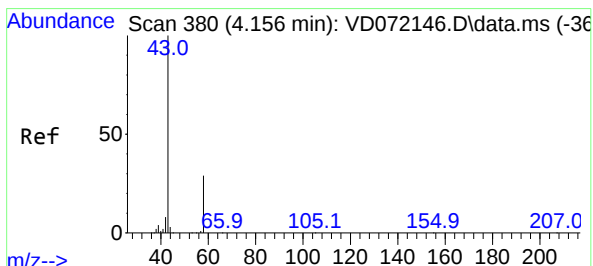
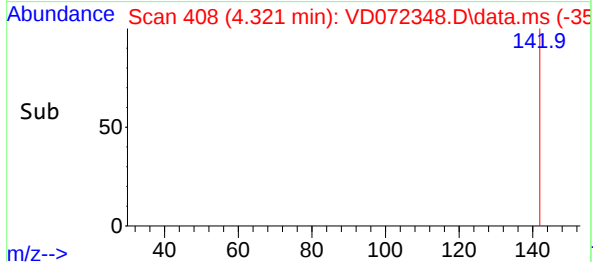
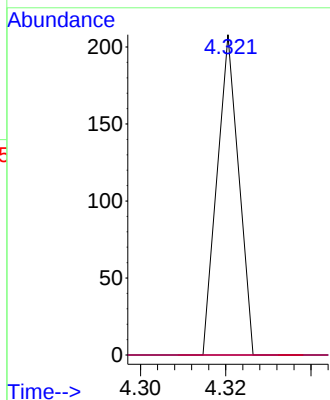
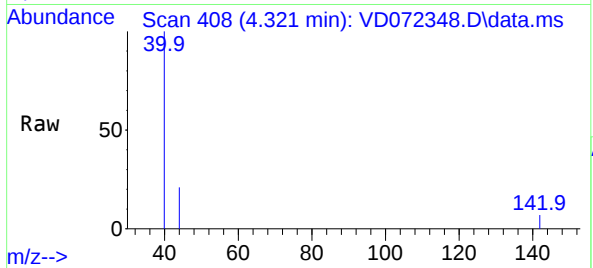




#10
Methyl Iodide
Concen: 2.459 ug/l
RT: 4.321 min Scan# 408
Delta R.T. 0.018 min
Lab File: VD072348.D
Acq: 21 Mar 2022 18:58

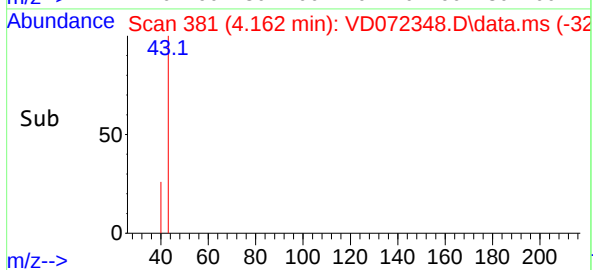
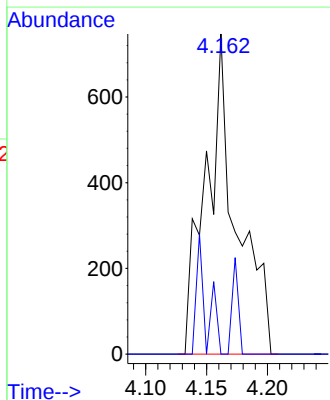
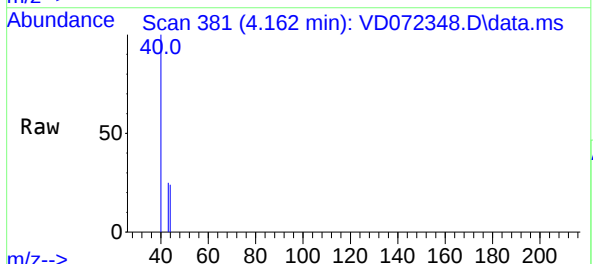
Instrument :
MSVOA_D
ClientSampleId :
G-1-5-9-10

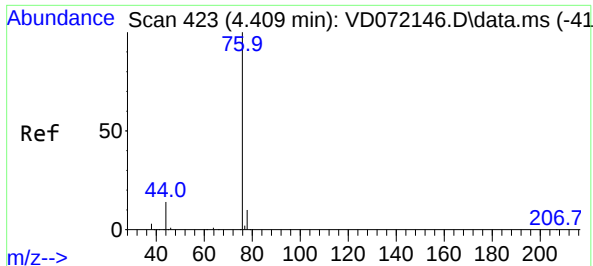
Tgt Ion:	142	Resp:	73
Ion	Ratio	Lower	Upper
142	100		
127	0.0	37.3	55.9#
141	0.0	11.7	17.5#



#16
Acetone
Concen: 18.437 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD072348.D
Acq: 21 Mar 2022 18:58

Tgt Ion:	43	Resp:	1307
Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.1	33.1#





#17

Carbon Disulfide

Concen: 1.712 ug/l

RT: 4.415 min Scan# 41

Delta R.T. 0.006 min

Lab File: VD072348.D

Acq: 21 Mar 2022 18:58

Instrument :

MSVOA_D

ClientSampleId :

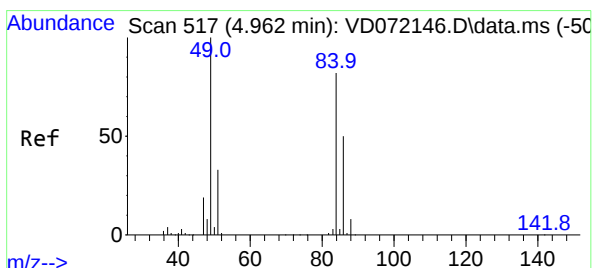
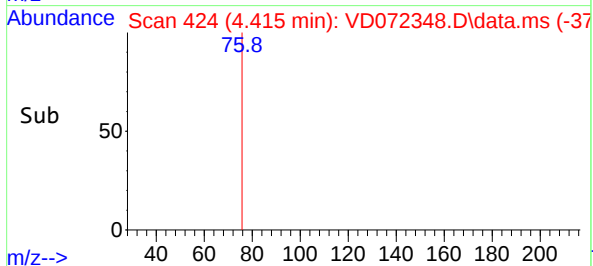
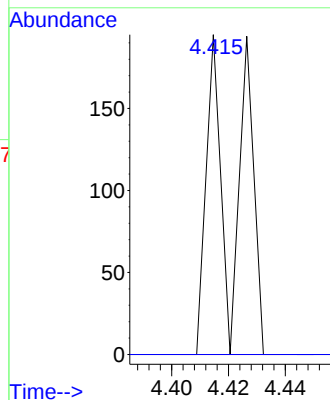
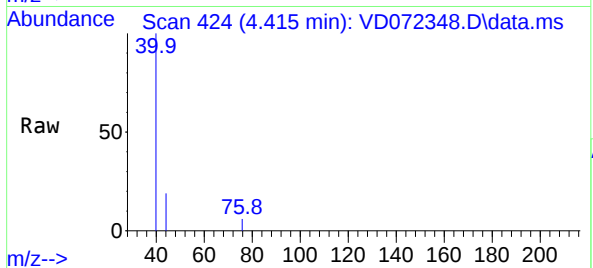
G-1-5-9-10

Tgt Ion: 76 Resp: 137

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.968 min Scan# 518

Delta R.T. 0.006 min

Lab File: VD072348.D

Acq: 21 Mar 2022 18:58

Tgt Ion: 84 Resp: 1081

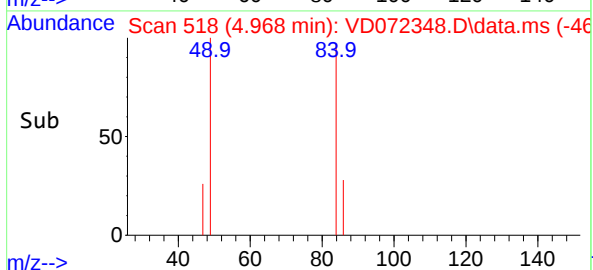
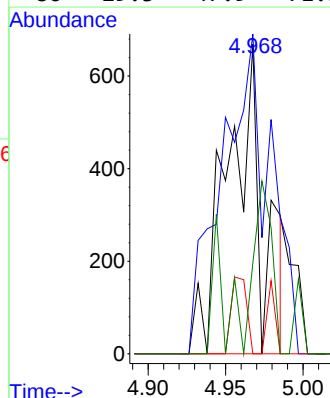
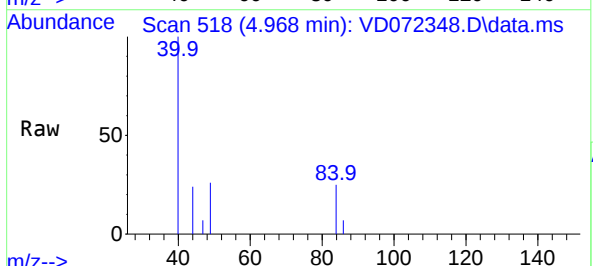
Ion Ratio Lower Upper

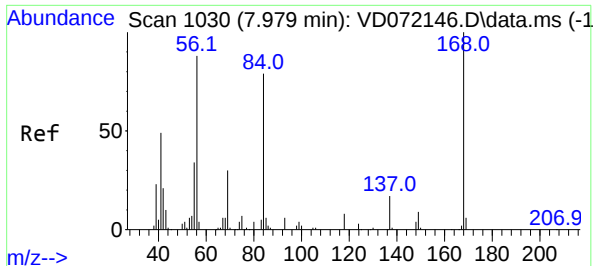
84 100

49 103.3 112.8 169.2#

51 0.0 32.6 48.8#

86 29.3 47.9 71.9#





#31

Cyclohexane

Concen: 1.017 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD072348.D

Acq: 21 Mar 2022 18:58

Instrument :

MSVOA_D

ClientSampleId :

G-1-5-9-10

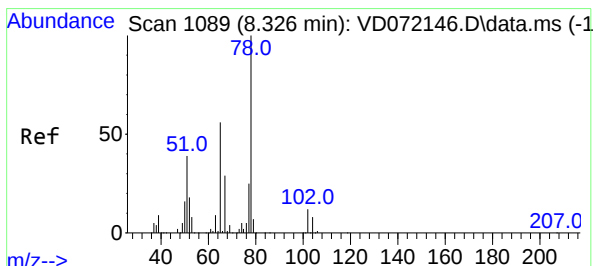
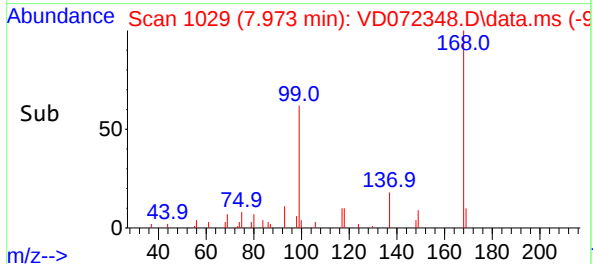
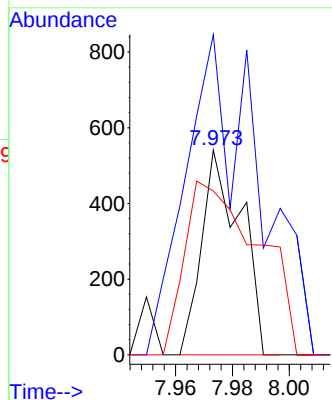
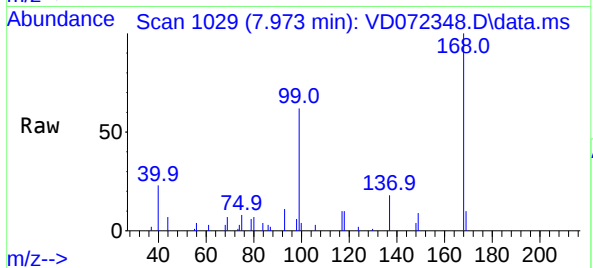
Tgt Ion: 56 Resp: 519

Ion Ratio Lower Upper

56 100

69 84.8 25.4 38.2#

84 44.0 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 68.885 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072348.D

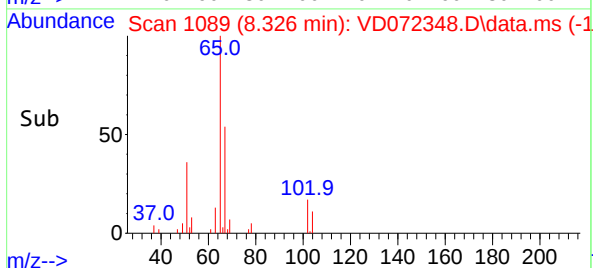
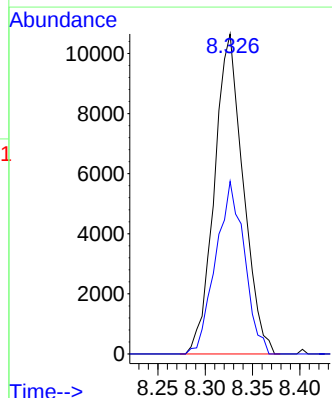
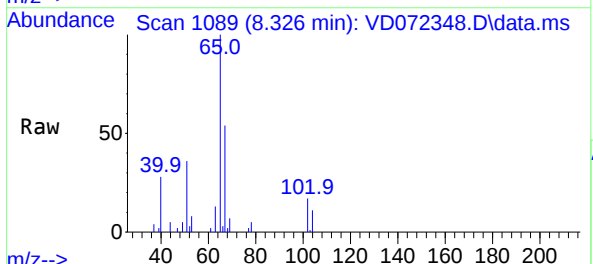
Acq: 21 Mar 2022 18:58

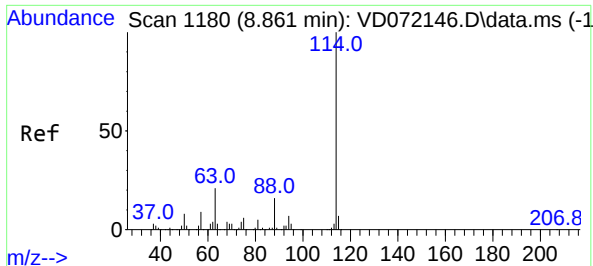
Tgt Ion: 65 Resp: 22491

Ion Ratio Lower Upper

65 100

67 53.7 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD072348.D

Acq: 21 Mar 2022 18:58

Instrument :

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ClientSampleId :

G-1-5-9-10

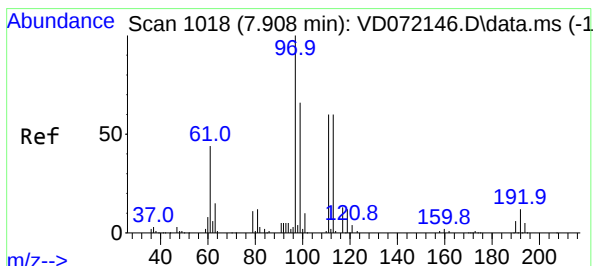
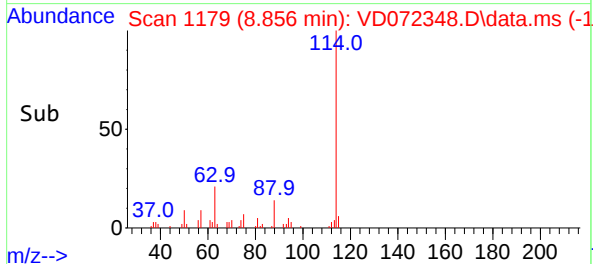
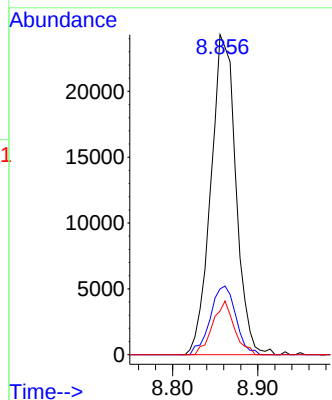
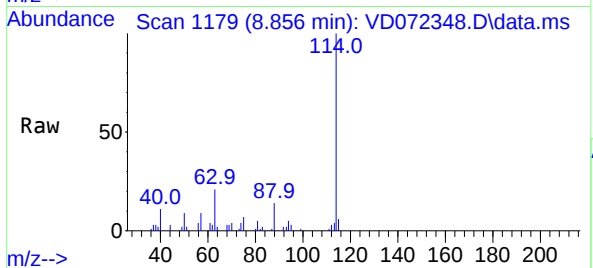
Tgt Ion:114 Resp: 49522

Ion Ratio Lower Upper

114 100

63 20.5 0.0 46.6

88 13.7 0.0 33.2



#35

Dibromofluoromethane

Concen: 57.086 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD072348.D

Acq: 21 Mar 2022 18:58

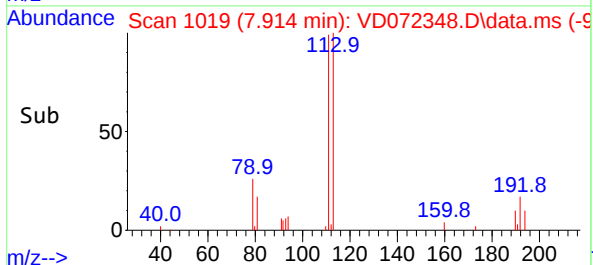
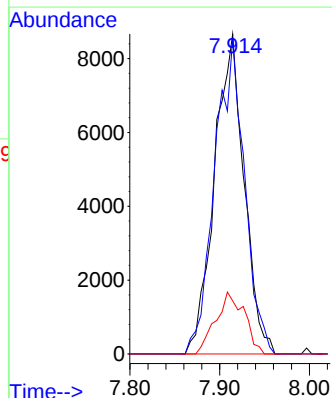
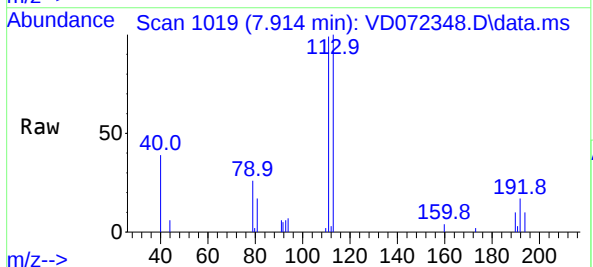
Tgt Ion:113 Resp: 19894

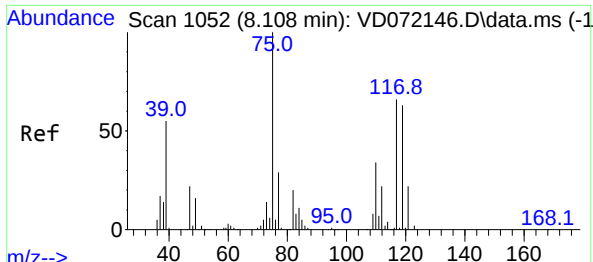
Ion Ratio Lower Upper

113 100

111 99.1 83.8 125.6

192 18.6 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.535 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD072348.D

Acq: 21 Mar 2022 18:58

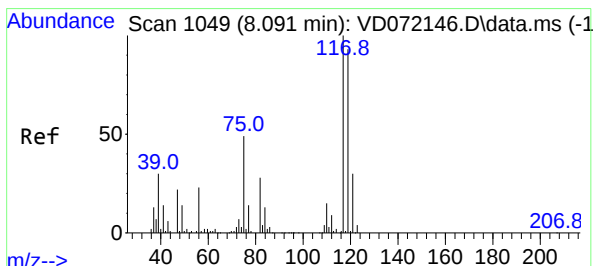
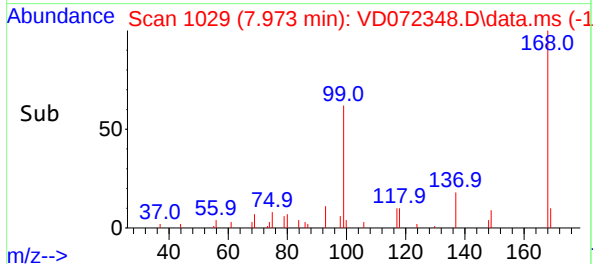
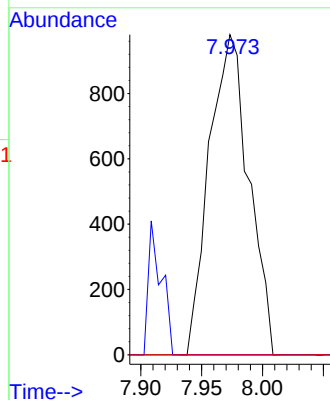
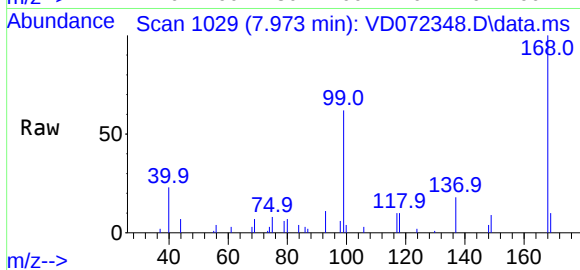
Instrument :

MSVOA_D

ClientSampleId :

G-1-5-9-10

Tgt Ion:	75	Resp:	2217
Ion	Ratio	Lower	Upper
75	100		
110	0.0	16.4	49.1#
77	0.0	24.2	36.2#



#38

Carbon Tetrachloride

Concen: 5.668 ug/l

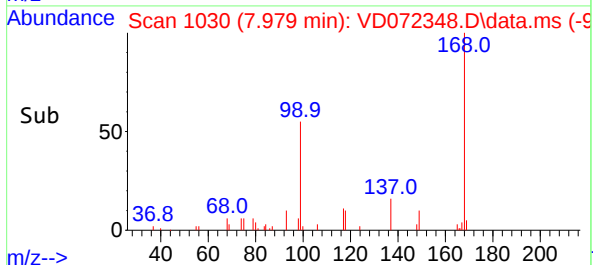
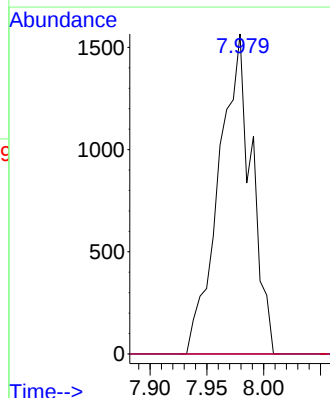
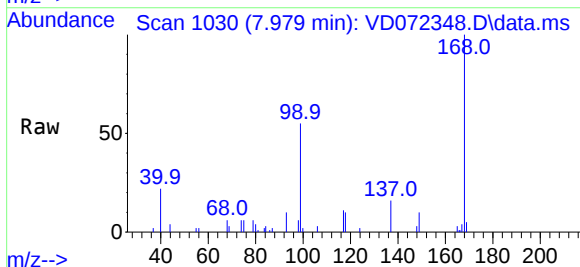
RT: 7.979 min Scan# 1030

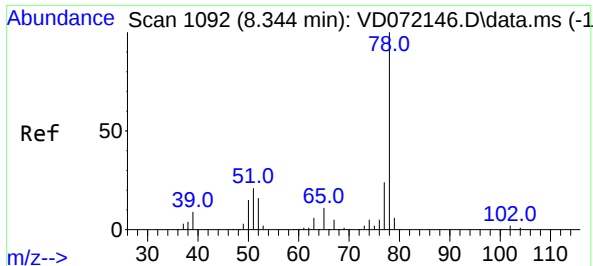
Delta R.T. -0.112 min

Lab File: VD072348.D

Acq: 21 Mar 2022 18:58

Tgt Ion:	117	Resp:	3150
Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.8	113.6#
121	0.0	24.5	36.7#

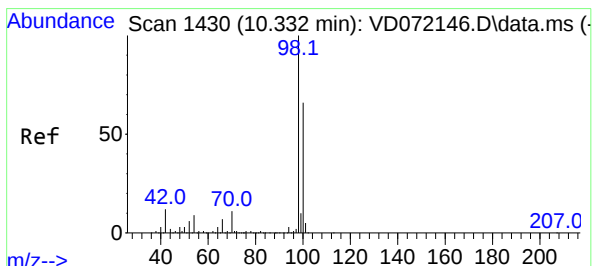
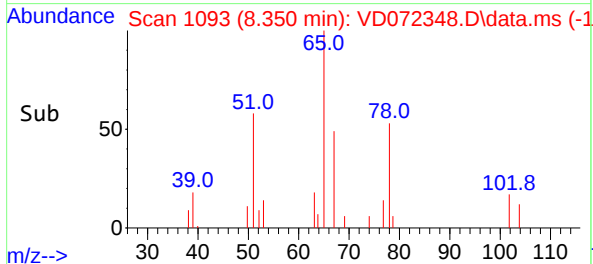
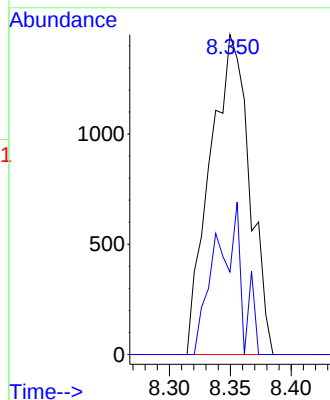
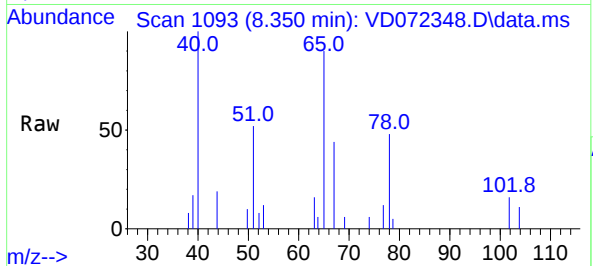




#40
Benzene
Concen: 2.342 ug/l
RT: 8.350 min Scan# 1092
Delta R.T. 0.006 min
Lab File: VD072348.D
Acq: 21 Mar 2022 18:58

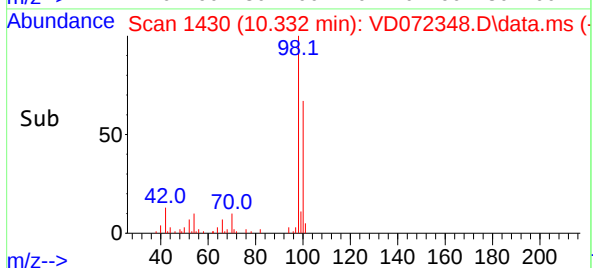
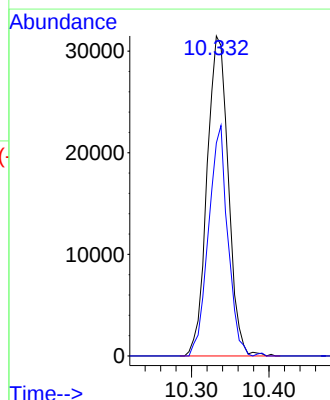
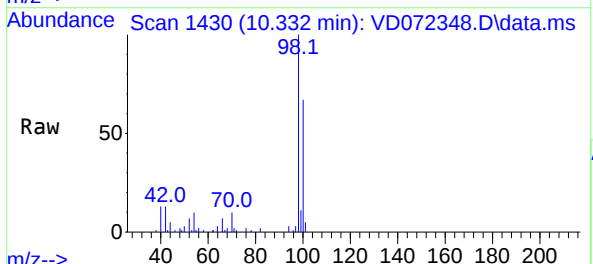
Instrument :
MSVOA_D
ClientSampleId :
G-1-5-9-10

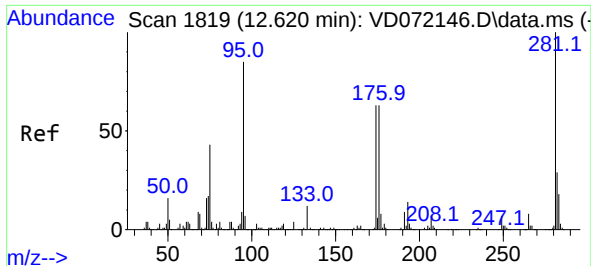
Tgt Ion: 78 Resp: 3267
Ion Ratio Lower Upper
78 100
77 23.3 19.1 28.7



#50
Toluene-d8
Concen: 47.087 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD072348.D
Acq: 21 Mar 2022 18:58

Tgt Ion: 98 Resp: 60001
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6

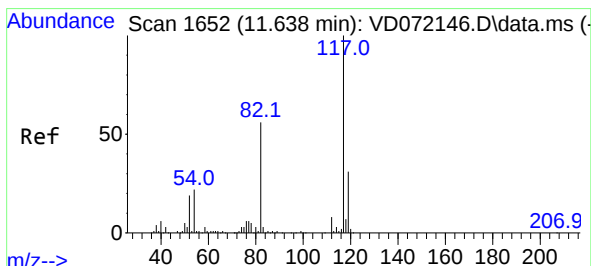
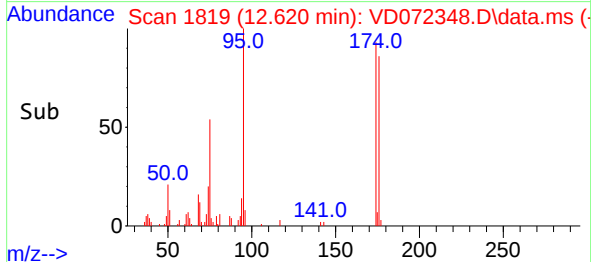
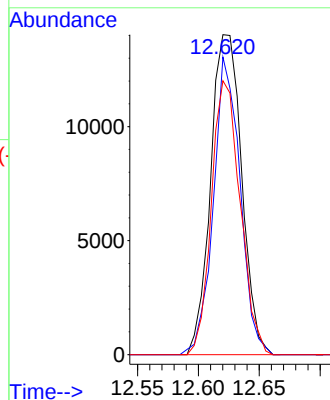
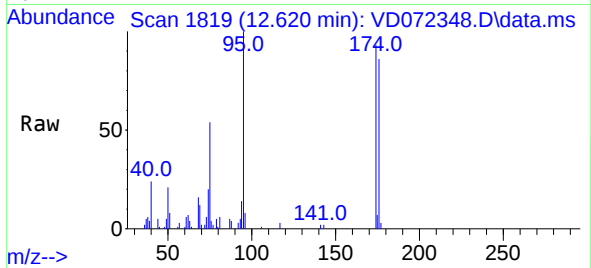




#62
4-Bromofluorobenzene
Concen: 50.265 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072348.D
Acq: 21 Mar 2022 18:58

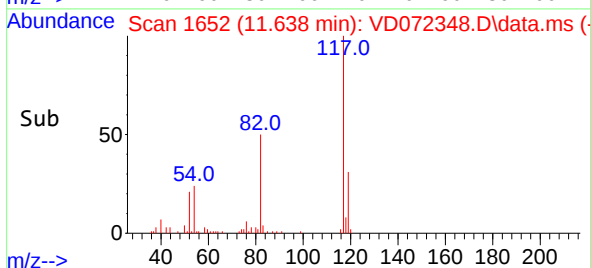
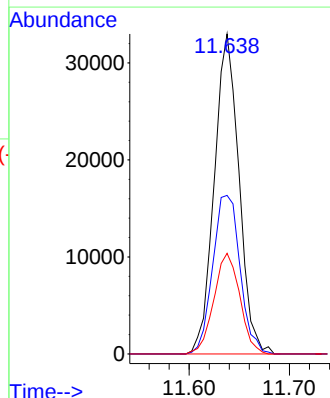
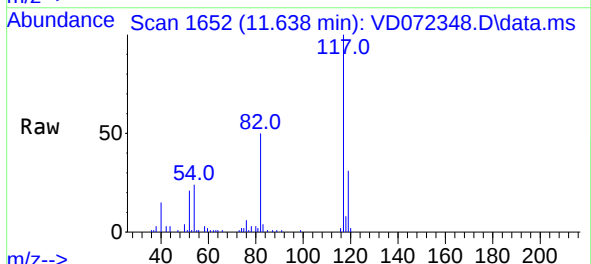
Instrument :
MSVOA_D
ClientSampleId :
G-1-5-9-10

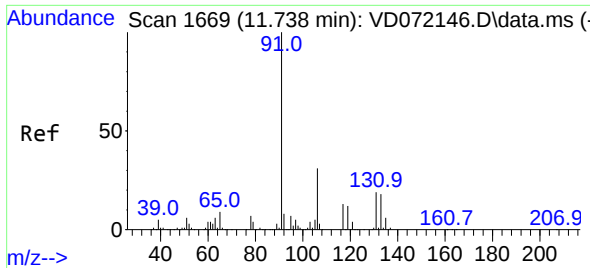
Tgt Ion:	95	Resp:	24887
Ion	Ratio	Lower	Upper
95	100		
174	79.9	0.0	152.8
176	79.3	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072348.D
Acq: 21 Mar 2022 18:58

Tgt Ion:	117	Resp:	56392
Ion	Ratio	Lower	Upper
117	100		
82	49.6	45.3	67.9
119	31.5	26.6	40.0

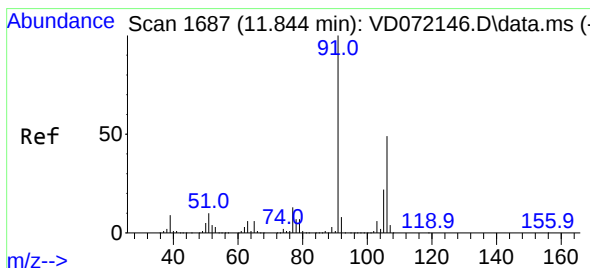
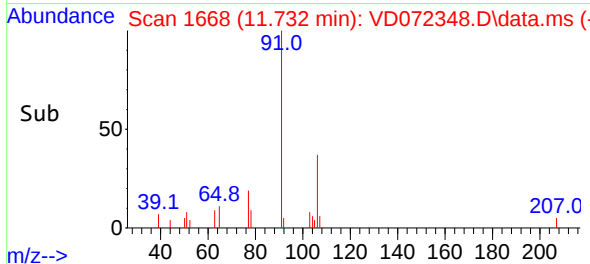
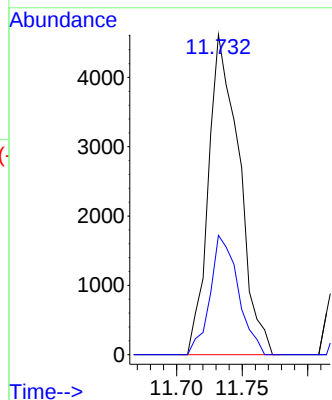
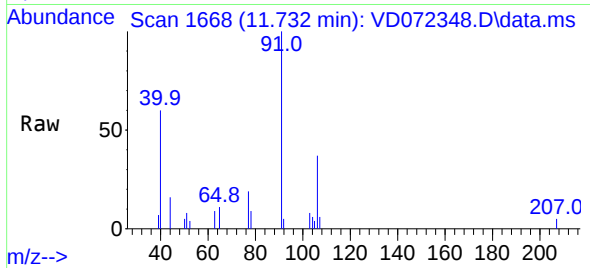




#67
Ethyl Benzene
Concen: 3.363 ug/l
RT: 11.732 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VD072348.D
Acq: 21 Mar 2022 18:58

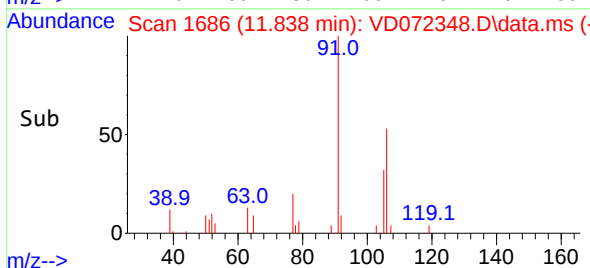
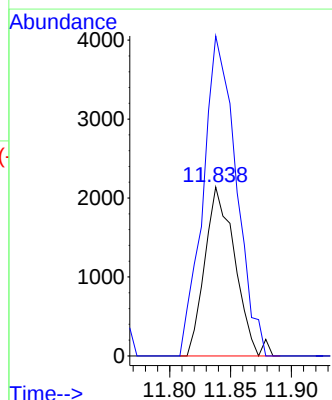
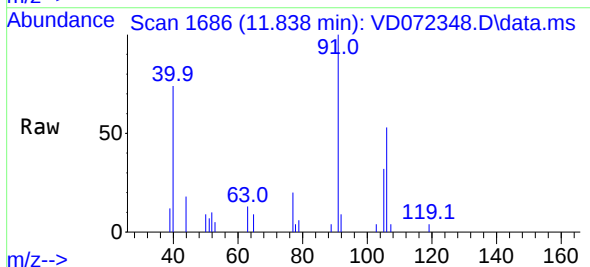
Instrument :
MSVOA_D
ClientSampleId :
G-1-5-9-10

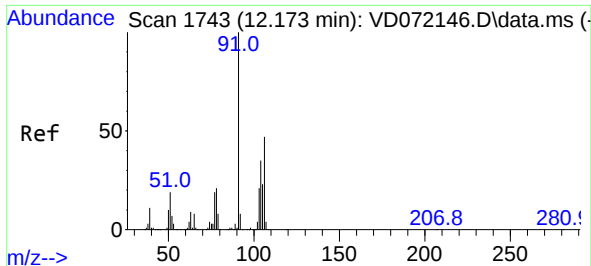
Tgt Ion: 91 Resp: 7509
Ion Ratio Lower Upper
91 100
106 37.3 24.2 36.4#



#68
m/p-Xylenes
Concen: 4.340 ug/l
RT: 11.838 min Scan# 1686
Delta R.T. -0.006 min
Lab File: VD072348.D
Acq: 21 Mar 2022 18:58

Tgt Ion:106 Resp: 3680
Ion Ratio Lower Upper
106 100
91 209.0 163.7 245.5

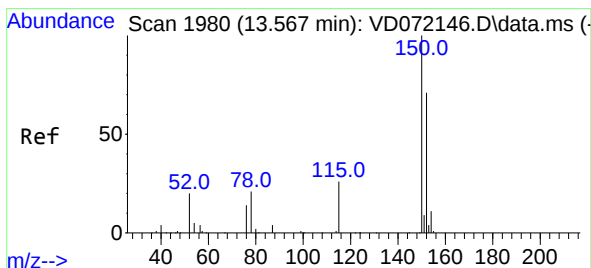
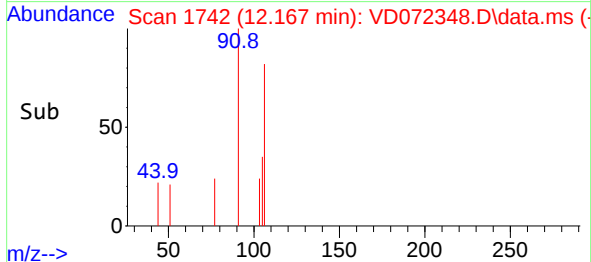
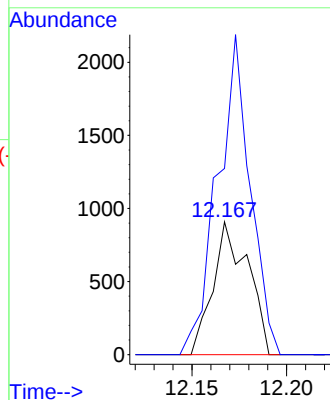
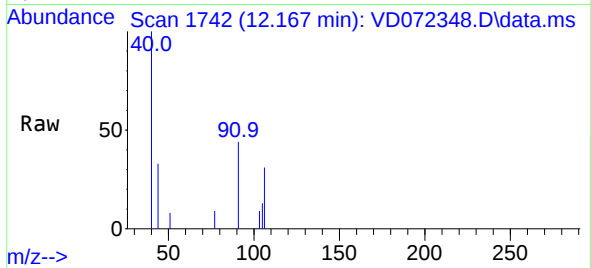




#69
o-Xylene
Concen: 1.438 ug/l
RT: 12.167 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD072348.D
Acq: 21 Mar 2022 18:58

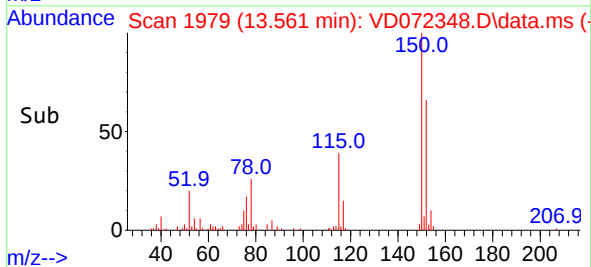
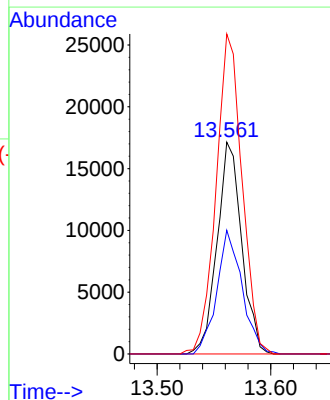
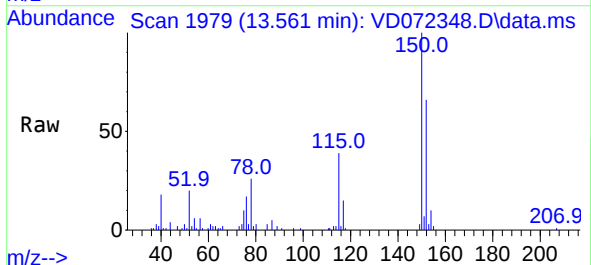
Instrument :
MSVOA_D
ClientSampleId :
G-1-5-9-10

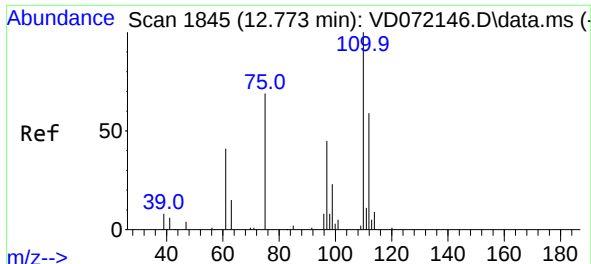
Tgt Ion:106 Resp: 1166
Ion Ratio Lower Upper
106 100
91 225.2 110.4 331.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072348.D
Acq: 21 Mar 2022 18:58

Tgt Ion:152 Resp: 25817
Ion Ratio Lower Upper
152 100
115 60.0 31.3 93.8
150 159.6 0.0 348.6

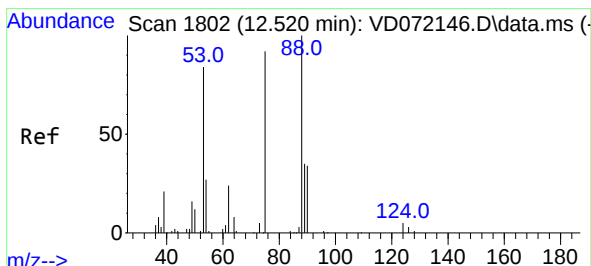
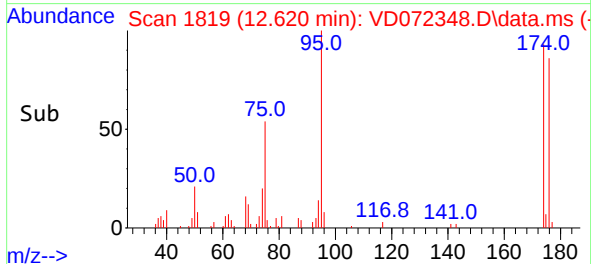
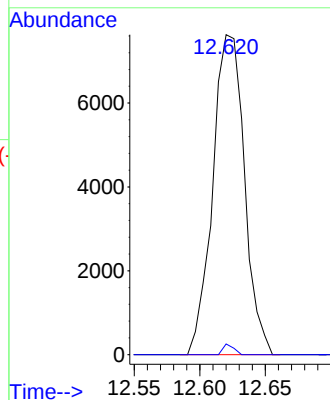
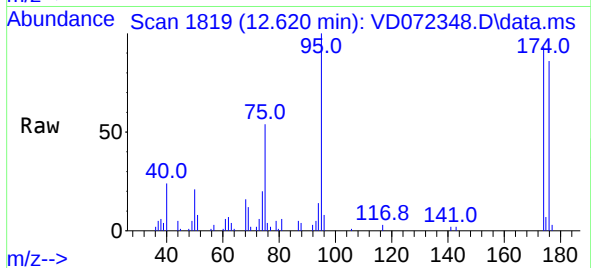




#76
1,2,3-Trichloropropane
Concen: 45.094 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072348.D
Acq: 21 Mar 2022 18:58

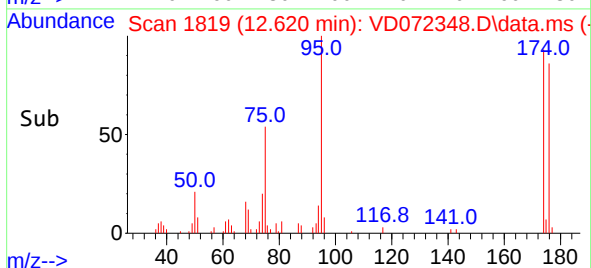
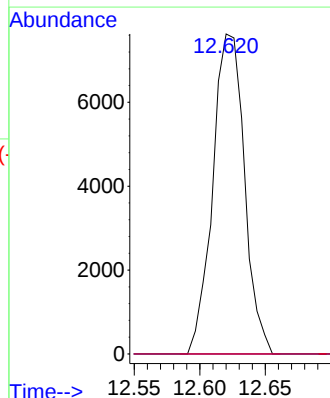
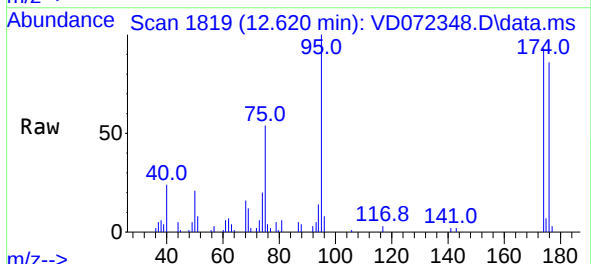
Instrument :
MSVOA_D
ClientSampleId :
G-1-5-9-10

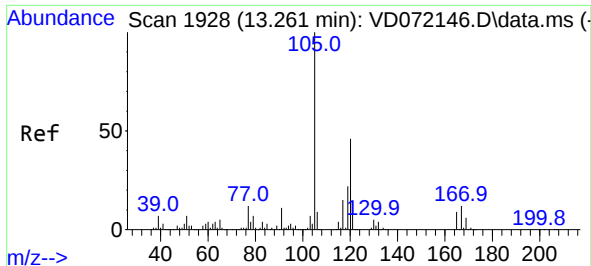
Tgt Ion: 75 Resp: 12842
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.882 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072348.D
Acq: 21 Mar 2022 18:58

Tgt Ion: 75 Resp: 12842
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#

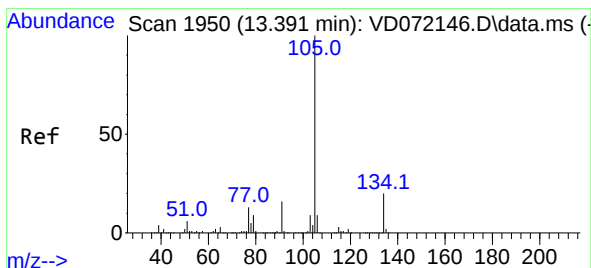
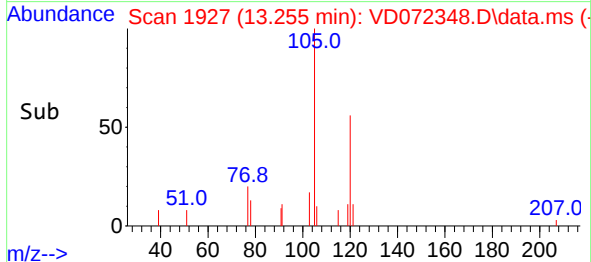
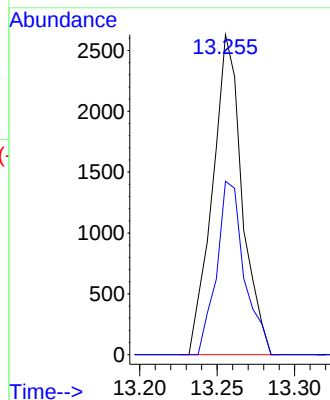
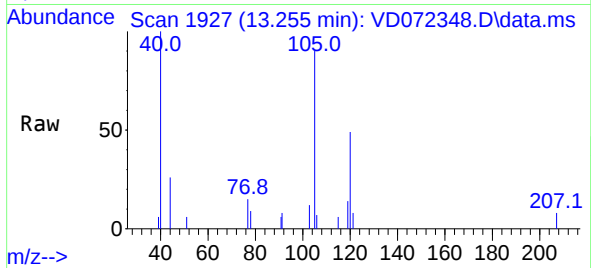




#84
1,2,4-Trimethylbenzene
Concen: 2.017 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD072348.D
Acq: 21 Mar 2022 18:58

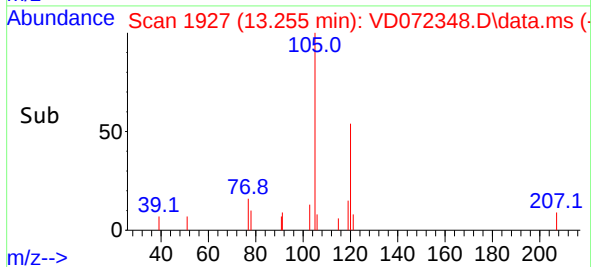
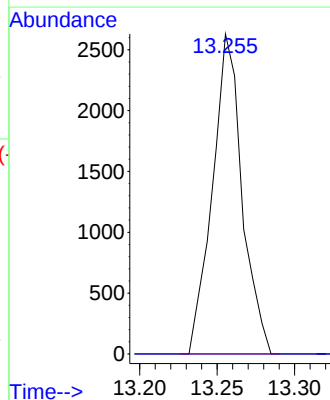
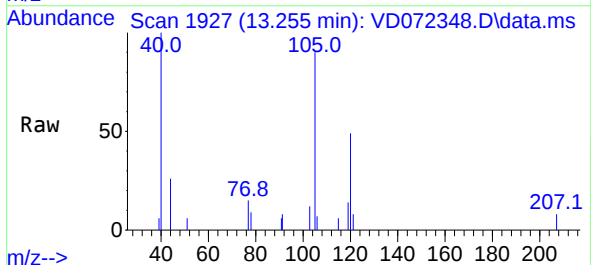
Instrument :
MSVOA_D
ClientSampleId :
G-1-5-9-10

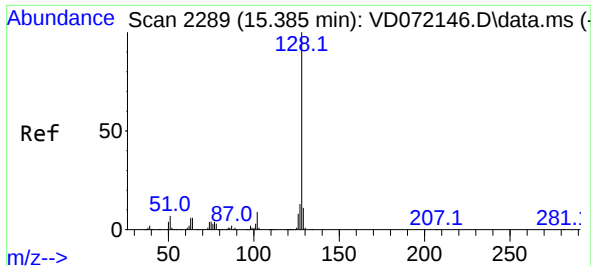
Tgt Ion:105 Resp: 3493
Ion Ratio Lower Upper
105 100
120 50.6 22.3 66.8



#85
sec-Butylbenzene
Concen: 1.509 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.135 min
Lab File: VD072348.D
Acq: 21 Mar 2022 18:58

Tgt Ion:105 Resp: 3493
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.3#





#95

Naphthalene

Concen: 9.518 ug/l

RT: 15.385 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD072348.D

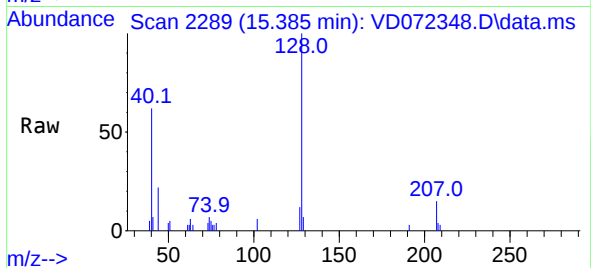
Acq: 21 Mar 2022 18:58

Instrument :

MSVOA_D

ClientSampleId :

G-1-5-9-10



Tgt Ion:128 Resp: 9140

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

129 9.7 8.4 12.6

