

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032222\
 Data File : VD072360.D
 Acq On : 22 Mar 2022 13:14
 Operator : VA/SY
 Sample : N1972-02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 G-4-7-17-18

Quant Time: Mar 23 01:12:04 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)

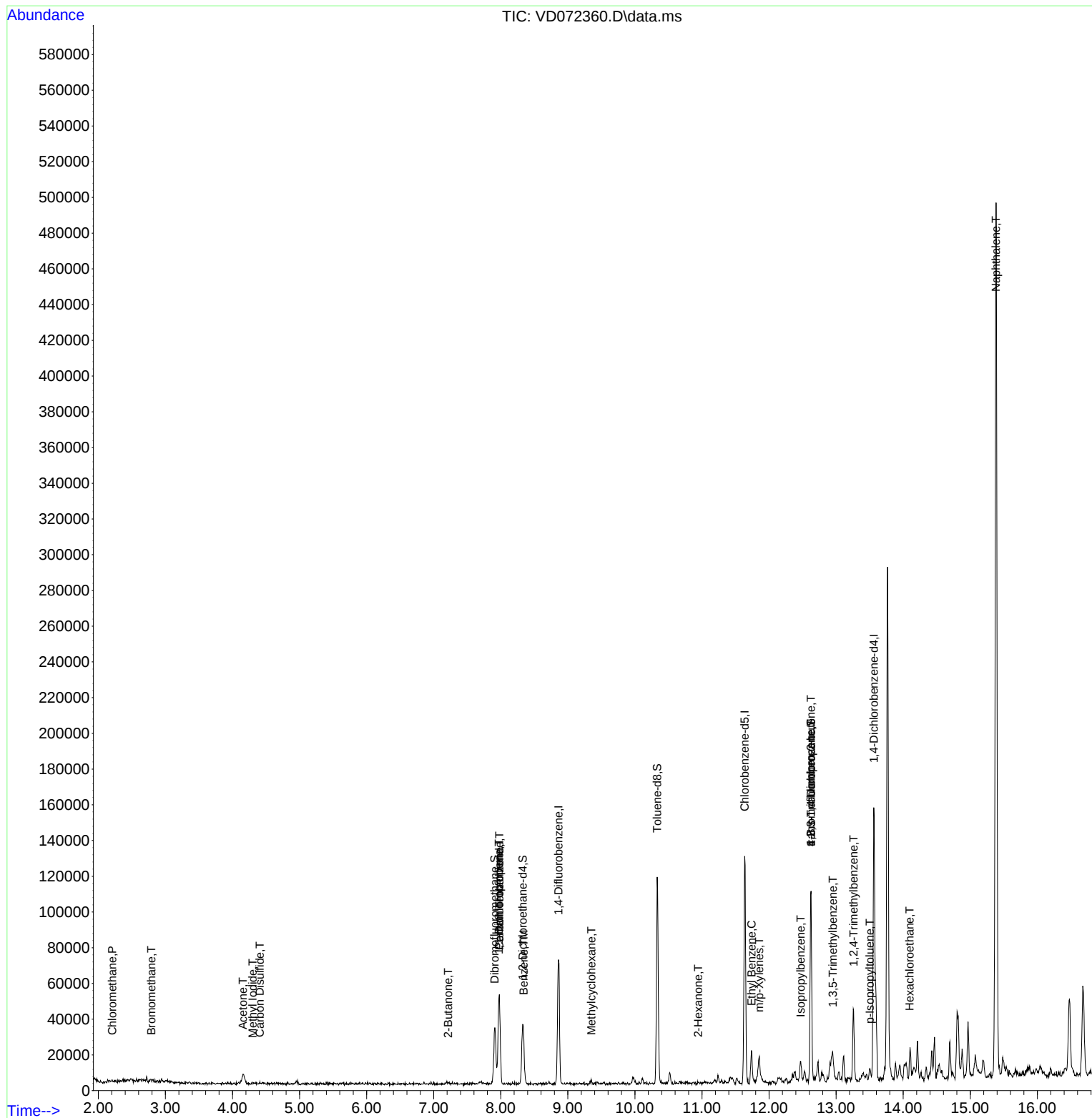
Internal Standards						
1) Pentafluorobenzene	7.979	168	37362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	59259	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	73004	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	40927	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	26717	64.165	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 128.340%			
35) Dibromofluoromethane	7.908	113	22077	52.941	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.880%			
50) Toluene-d8	10.332	98	75409	49.455	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.900%			
62) 4-Bromofluorobenzene	12.626	95	36246	61.178	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 122.360%			
Target Compounds						Qvalue
3) Chloromethane	2.208	50	411	1.338	ug/l #	40
5) Bromomethane	2.791	94	647	3.352	ug/l #	51
10) Methyl Iodide	4.302	142	574	3.661	ug/l #	45
16) Acetone	4.155	43	9917	109.696	ug/l	96
17) Carbon Disulfide	4.408	76	1291	3.064	ug/l #	74
20) Methylene Chloride	4.979	84	483	Below Cal	#	38
25) 2-Butanone	7.214	43	2744	22.765	ug/l #	83
36) 1,1-Dichloropropene	7.973	75	2955	5.051	ug/l #	43
38) Carbon Tetrachloride	7.979	117	3696	5.558	ug/l #	13
39) Methylcyclohexane	9.349	83	729	1.107	ug/l #	74
40) Benzene	8.343	78	3980	2.385	ug/l #	88
59) 2-Hexanone	10.943	43	777	4.306	ug/l #	27
67) Ethyl Benzene	11.737	91	11517	3.984	ug/l	95
68) m/p-Xylenes	11.855	106	2825	2.574	ug/l	87
73) Isopropylbenzene	12.473	105	7397	2.281	ug/l	92
76) 1,2,3-Trichloropropane	12.626	75	17656	39.109	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.949	105	4249	1.525	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.626	75	17656	97.032	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.261	105	21498	7.831	ug/l	98
86) p-Isopropyltoluene	13.502	119	4161	1.378	ug/l #	88
90) Hexachloroethane	14.096	117	1480	2.502	ug/l #	17
95) Naphthalene	15.384	128	427013	280.512	ug/l	99

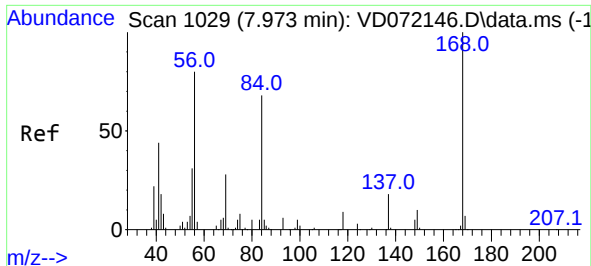
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Mar 14 05:18:06 2022
Response via : Initial Calibration

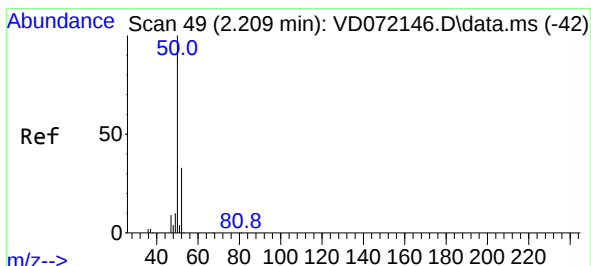
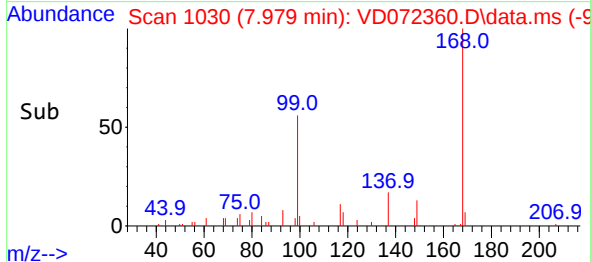
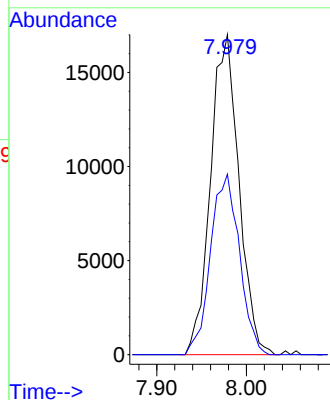
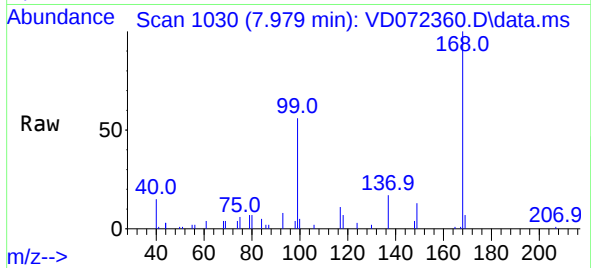




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

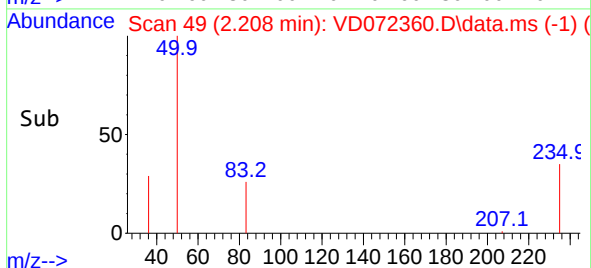
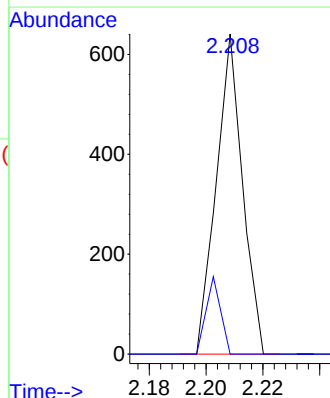
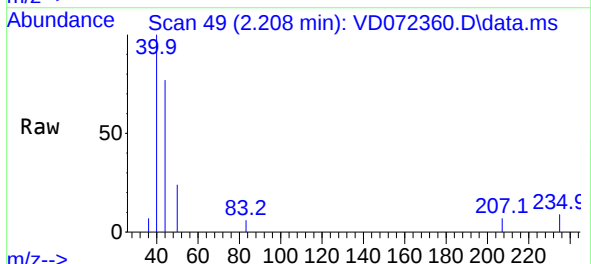
Instrument :
MSVOA_D
ClientSampleId :
G-4-7-17-18

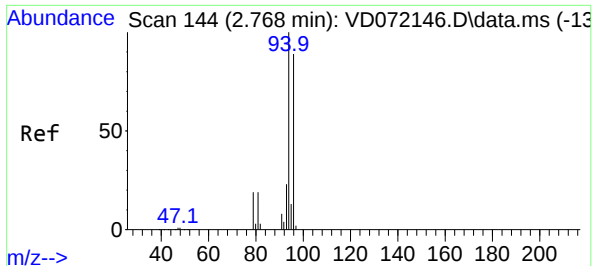
Tgt Ion:168 Resp: 37362
Ion Ratio Lower Upper
168 100
99 56.4 49.8 74.6



#3
Chloromethane
Concen: 1.338 ug/l
RT: 2.208 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

Tgt Ion: 50 Resp: 411
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

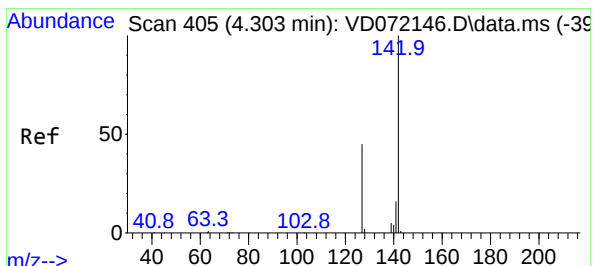
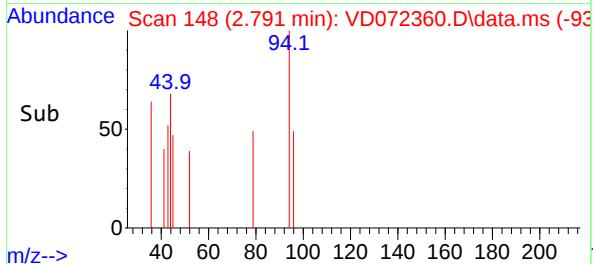
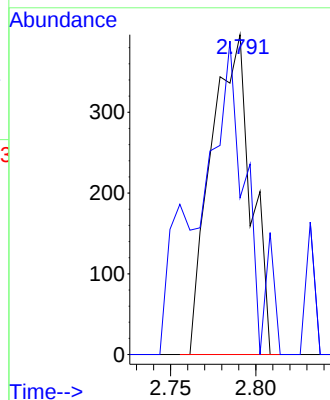
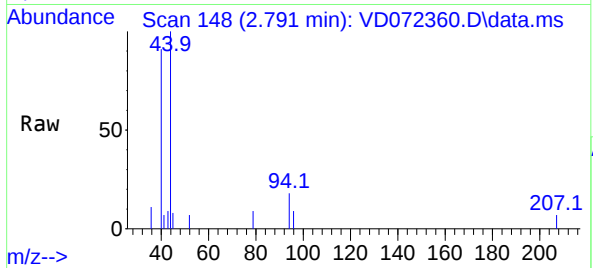




#5
Bromomethane
Concen: 3.352 ug/l
RT: 2.791 min Scan# 144
Delta R.T. 0.023 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

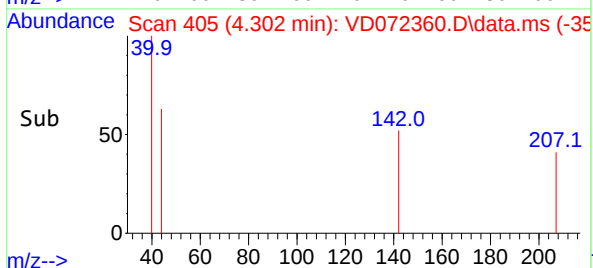
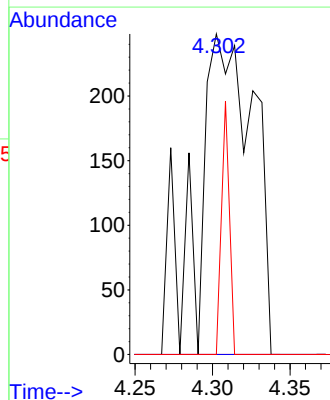
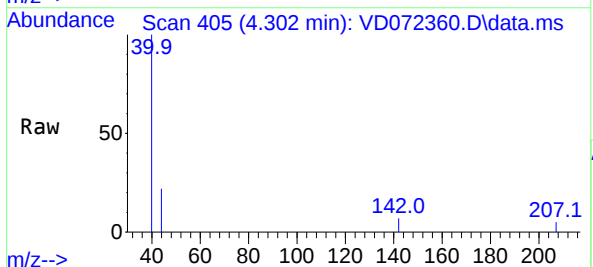
Instrument :
MSVOA_D
ClientSampleId :
G-4-7-17-18

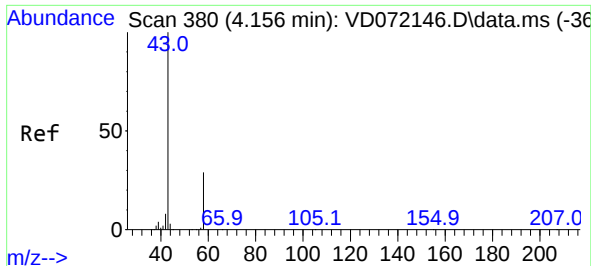
Tgt Ion: 94 Resp: 647
Ion Ratio Lower Upper
94 100
96 49.0 77.6 116.4#



#10
Methyl Iodide
Concen: 3.661 ug/l
RT: 4.302 min Scan# 405
Delta R.T. -0.001 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

Tgt Ion: 142 Resp: 574
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 12.0 11.7 17.5

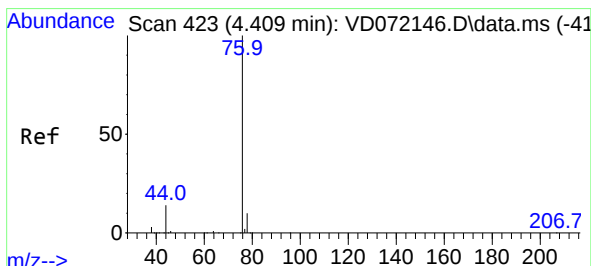
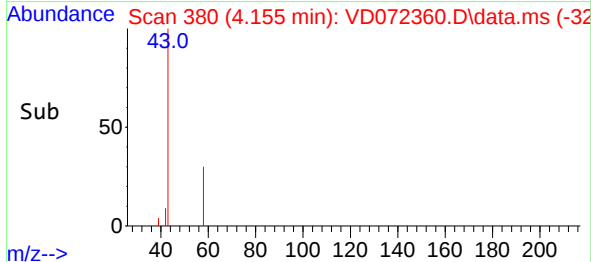
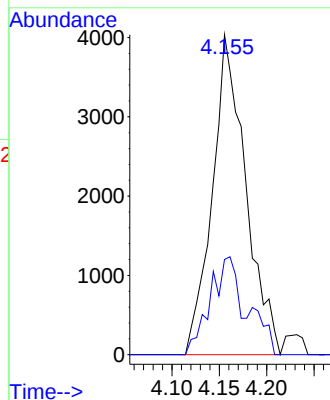
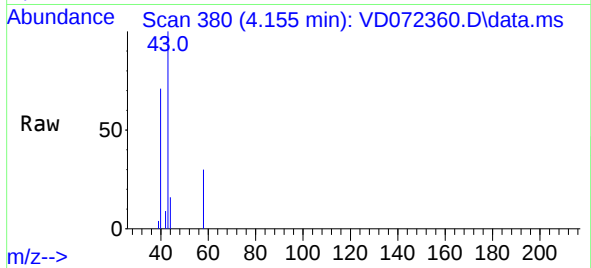




#16
Acetone
Concen: 109.696 ug/l
RT: 4.155 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

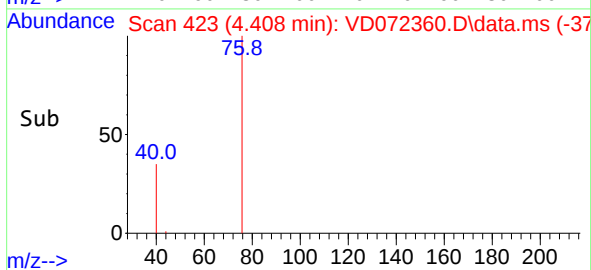
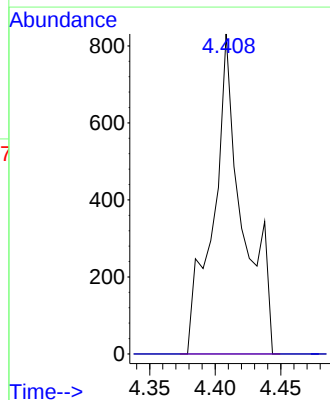
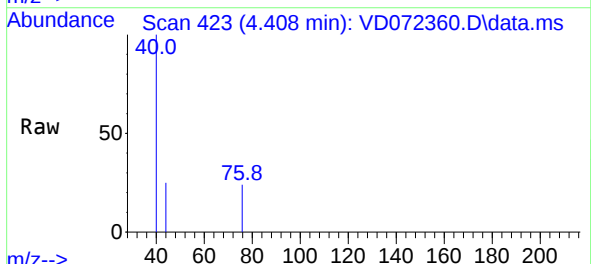
Instrument :
MSVOA_D
ClientSampleId :
G-4-7-17-18

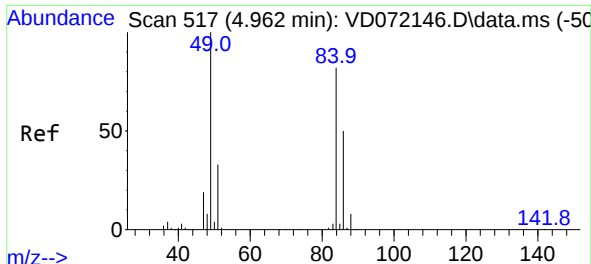
Tgt Ion: 43 Resp: 9917
Ion Ratio Lower Upper
43 100
58 29.7 22.1 33.1



#17
Carbon Disulfide
Concen: 3.064 ug/l
RT: 4.408 min Scan# 423
Delta R.T. -0.001 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

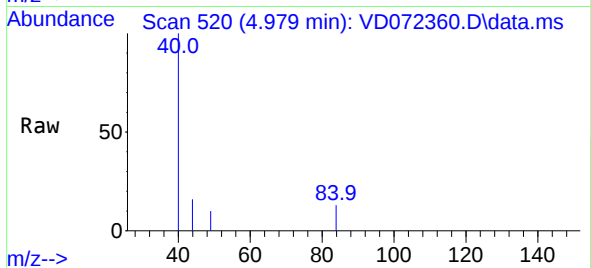
Tgt Ion: 76 Resp: 1291
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



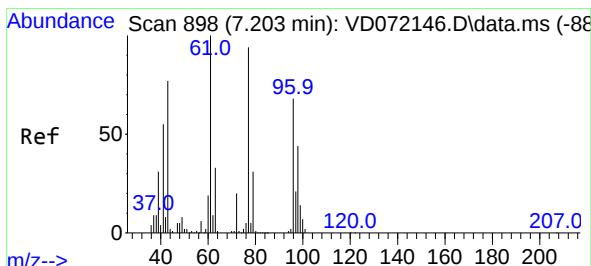
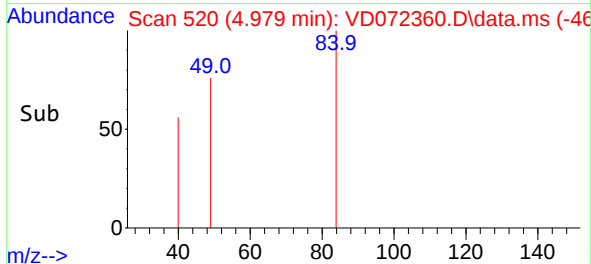
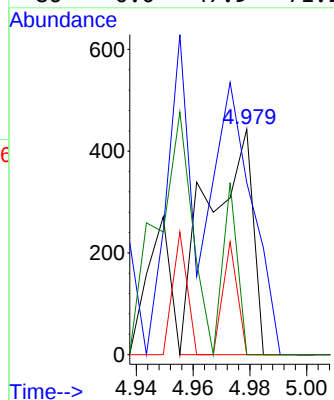


#20
Methylene Chloride
Concen: Below Cal
RT: 4.979 min Scan# 51
Delta R.T. 0.017 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

Instrument :
MSVOA_D
ClientSampleId :
G-4-7-17-18

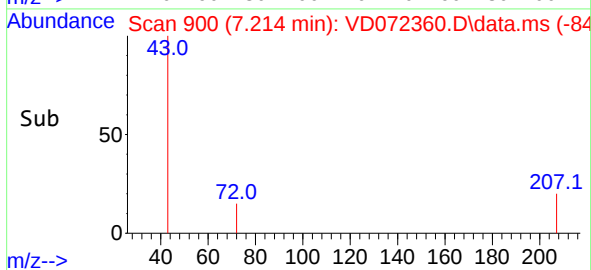
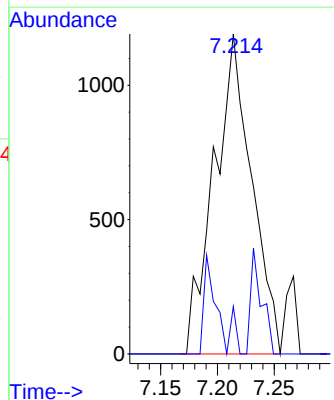
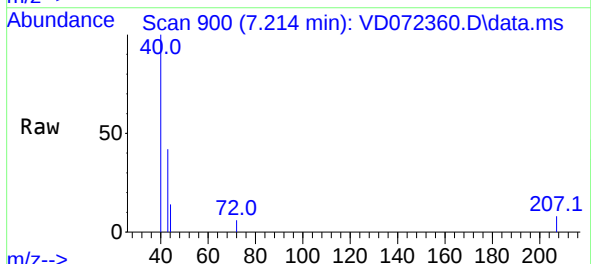


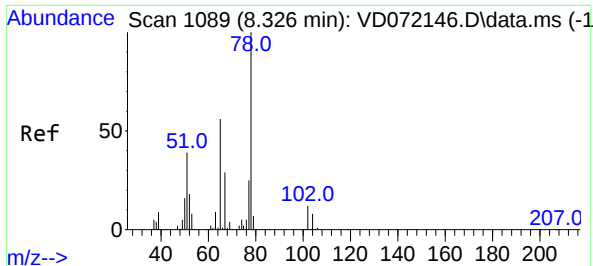
Tgt Ion: 84 Resp: 483
Ion Ratio Lower Upper
84 100
49 76.3 112.8 169.2#
51 0.0 32.6 48.8#
86 0.0 47.9 71.9#



#25
2-Butanone
Concen: 22.765 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.011 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

Tgt Ion: 43 Resp: 2744
Ion Ratio Lower Upper
43 100
72 14.8 18.6 27.8#





#33

1,2-Dichloroethane-d4

Concen: 64.165 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072360.D

Acq: 22 Mar 2022 13:14

Instrument :

MSVOA_D

ClientSampleId :

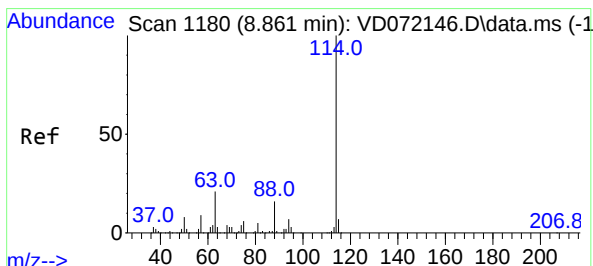
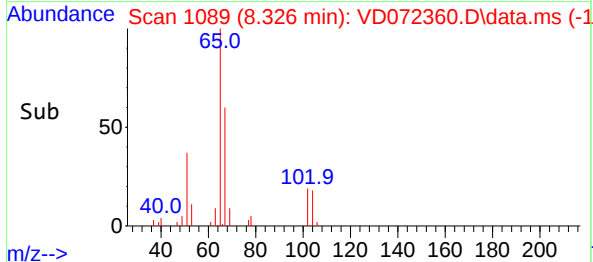
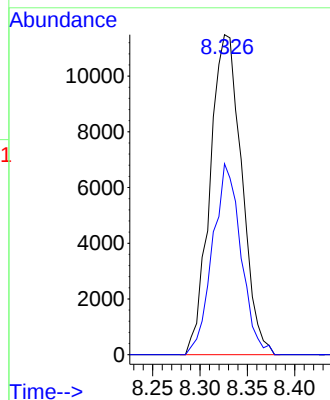
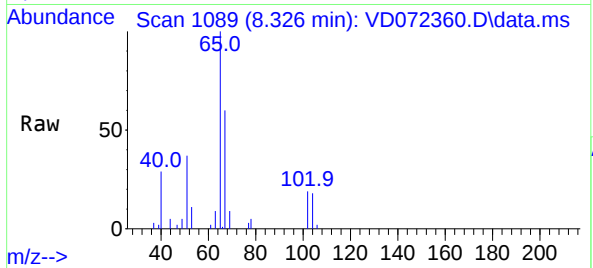
G-4-7-17-18

Tgt Ion: 65 Resp: 26717

Ion Ratio Lower Upper

65 100

67 53.8 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: VD072360.D

Acq: 22 Mar 2022 13:14

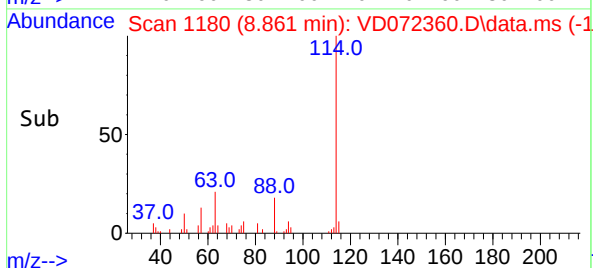
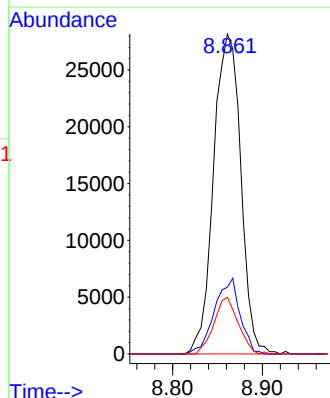
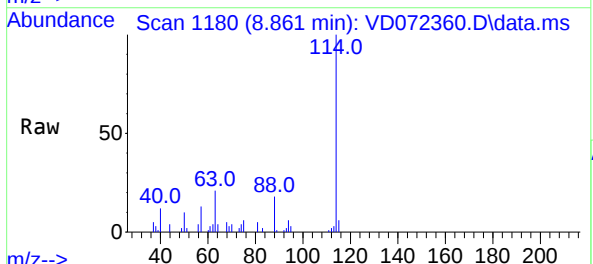
Tgt Ion: 114 Resp: 59259

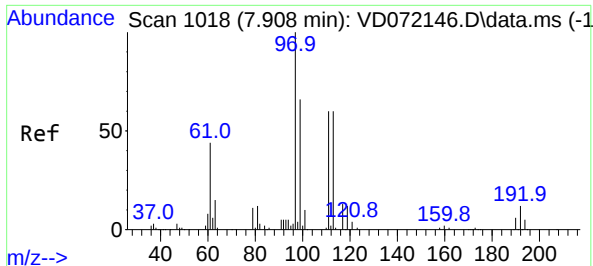
Ion Ratio Lower Upper

114 100

63 20.8 0.0 46.6

88 17.7 0.0 33.2

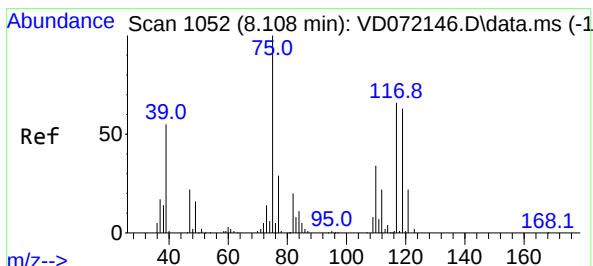
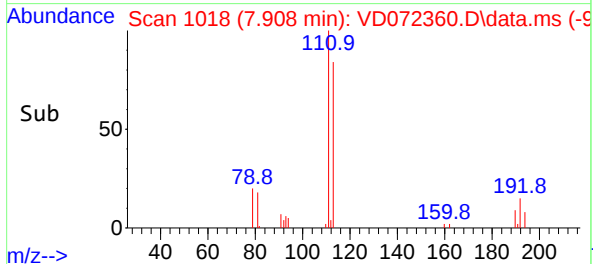
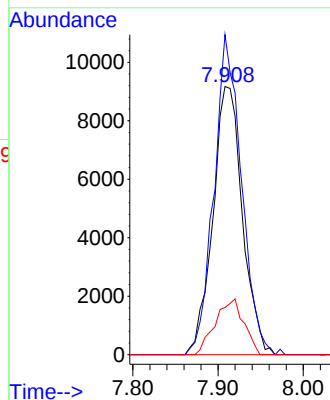
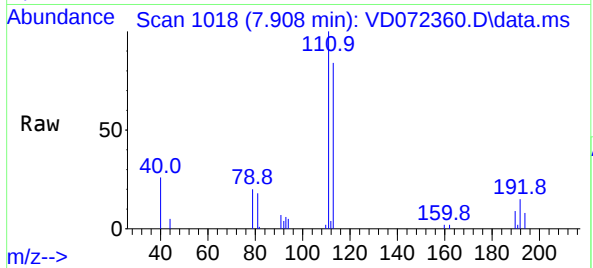




#35
Dibromofluoromethane
Concen: 52.941 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.000 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

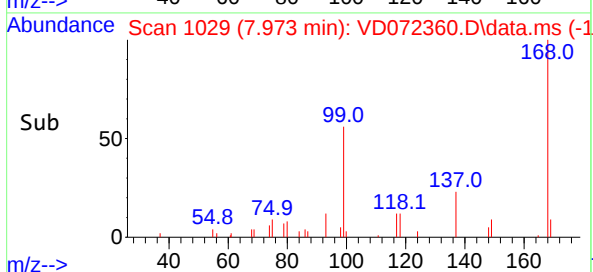
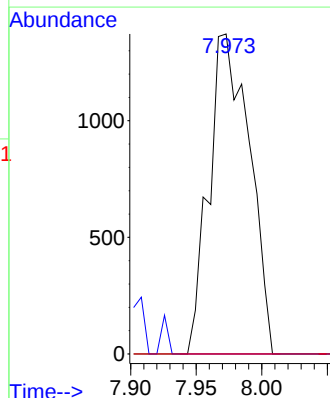
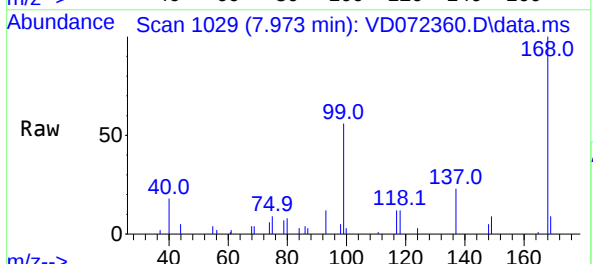
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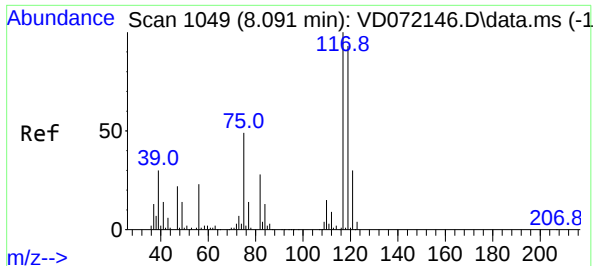
Tgt Ion:113 Resp: 22077
Ion Ratio Lower Upper
113 100
111 111.0 83.8 125.6
192 20.1 14.6 21.8



#36
1,1-Dichloropropene
Concen: 5.051 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.136 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

Tgt Ion: 75 Resp: 2955
Ion Ratio Lower Upper
75 100
110 0.0 16.4 49.1#
77 0.0 24.2 36.2#

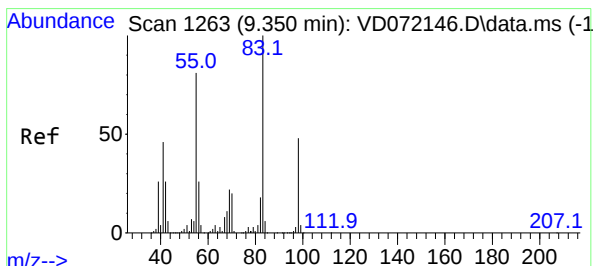
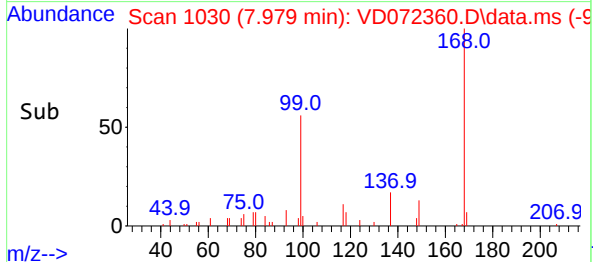
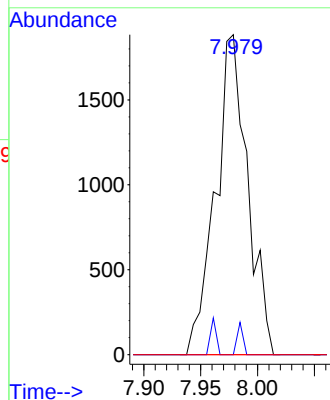
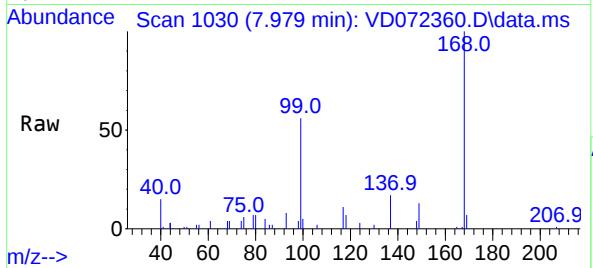




#38
Carbon Tetrachloride
Concen: 5.558 ug/l
RT: 7.979 min Scan# 1049
Delta R.T. -0.112 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

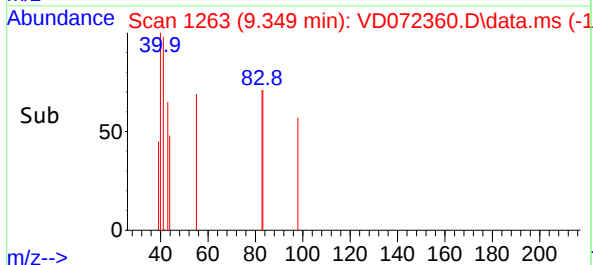
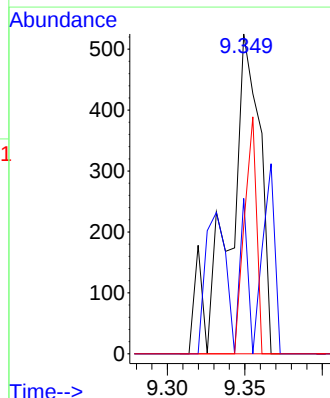
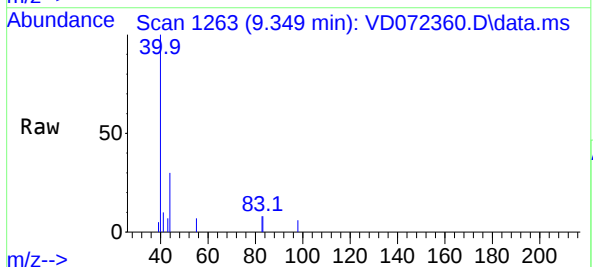
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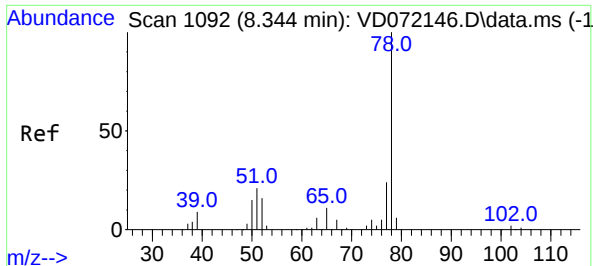
Tgt Ion:117 Resp: 3696
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 1.107 ug/l
RT: 9.349 min Scan# 1263
Delta R.T. -0.000 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

Tgt Ion: 83 Resp: 729
Ion Ratio Lower Upper
83 100
55 48.6 63.2 94.8#
98 40.0 38.2 57.4

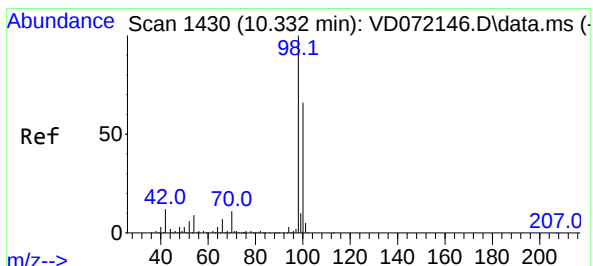
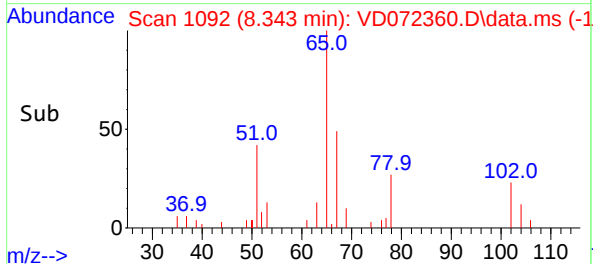
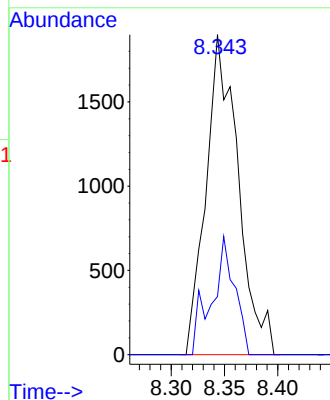
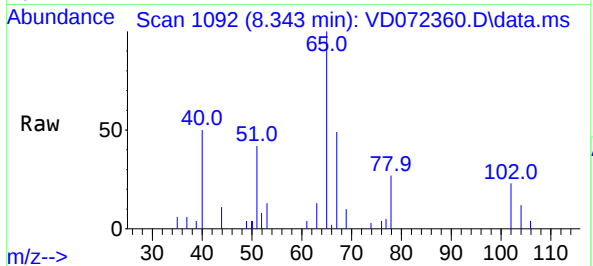




#40
Benzene
Concen: 2.385 ug/l
RT: 8.343 min Scan# 1092
Delta R.T. -0.000 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

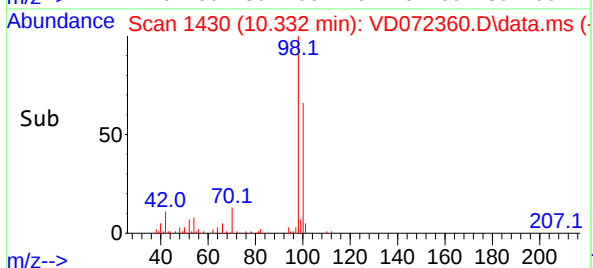
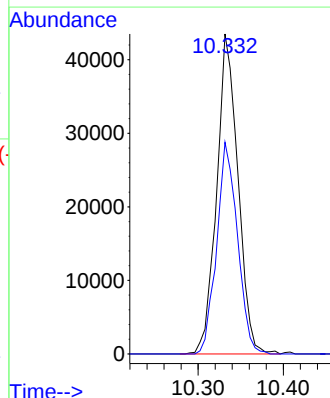
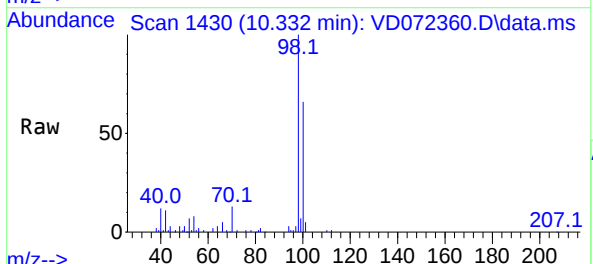
Instrument :
MSVOA_D
ClientSampleId :
G-4-7-17-18

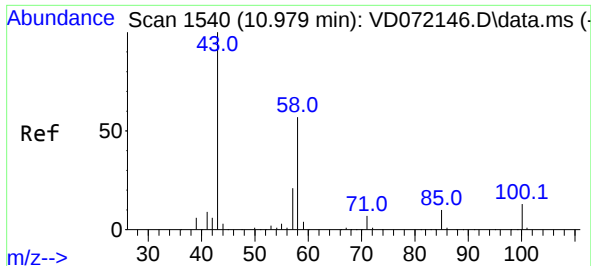
Tgt Ion: 78 Resp: 3980
Ion Ratio Lower Upper
78 100
77 18.2 19.1 28.7#



#50
Toluene-d8
Concen: 49.455 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

Tgt Ion: 98 Resp: 75409
Ion Ratio Lower Upper
98 100
100 64.6 52.4 78.6

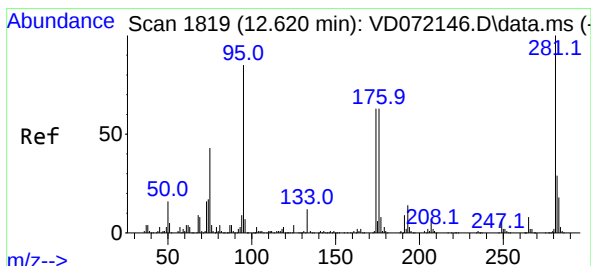
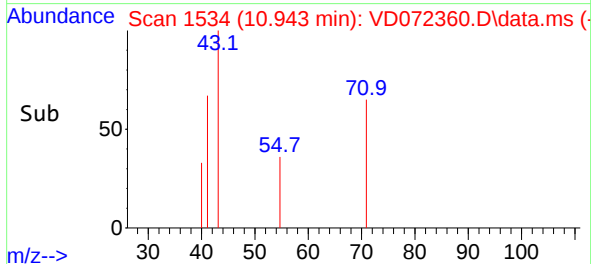
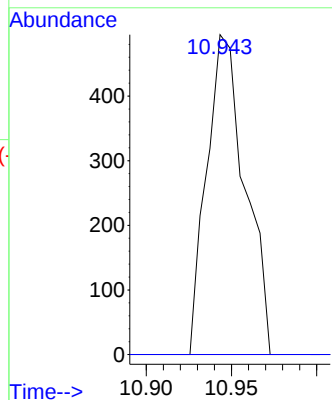
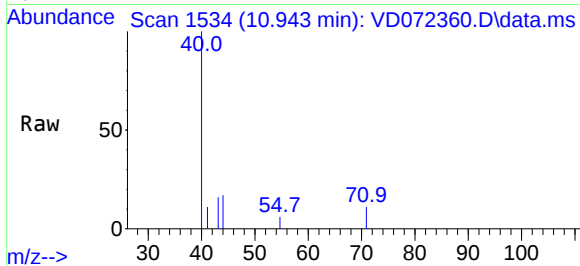




#59
2-Hexanone
Concen: 4.306 ug/l
RT: 10.943 min Scan# 11
Delta R.T. -0.036 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

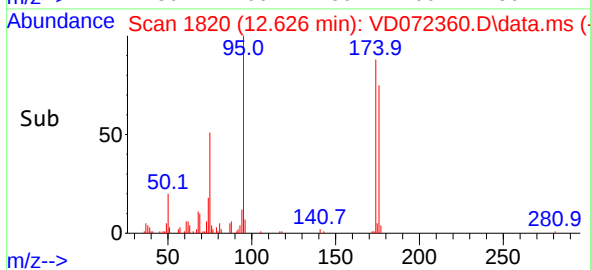
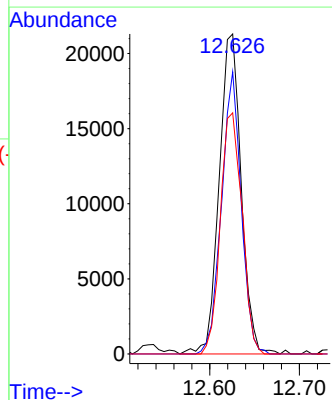
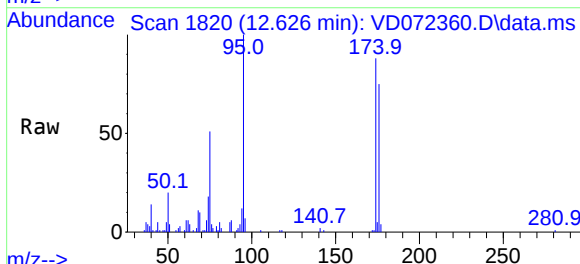
Instrument :
MSVOA_D
ClientSampleId :
G-4-7-17-18

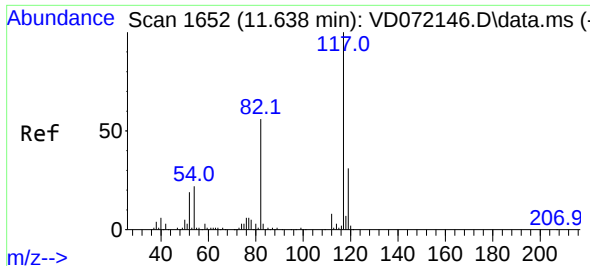
Tgt Ion: 43 Resp: 777
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 61.178 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

Tgt Ion: 95 Resp: 36246
Ion Ratio Lower Upper
95 100
174 78.8 0.0 152.8
176 74.4 0.0 145.4

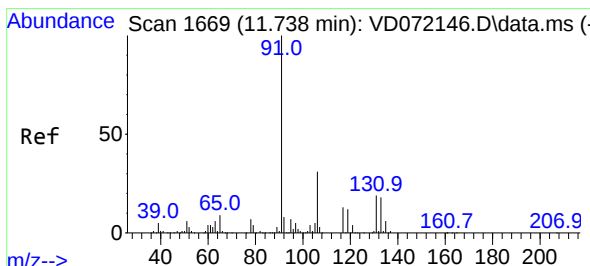
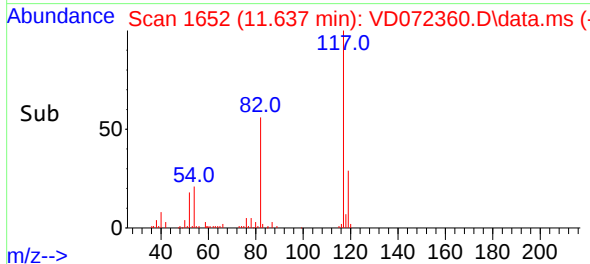
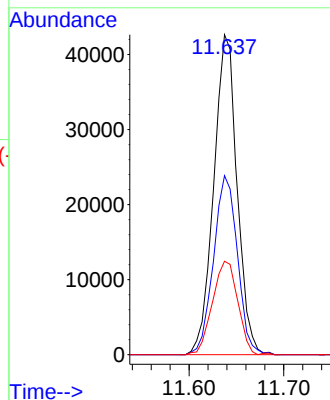
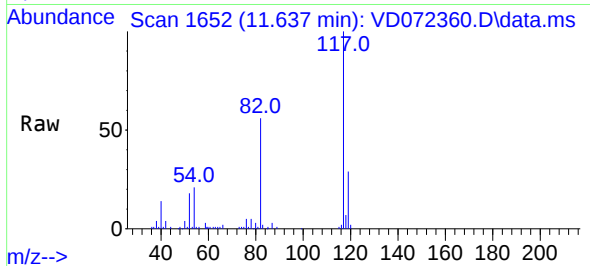




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

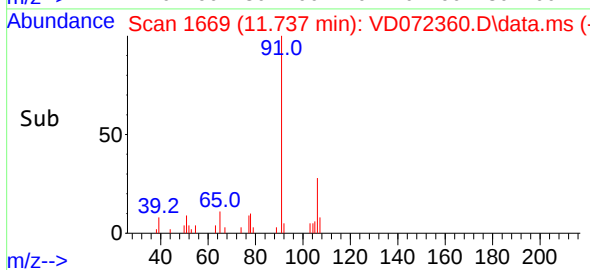
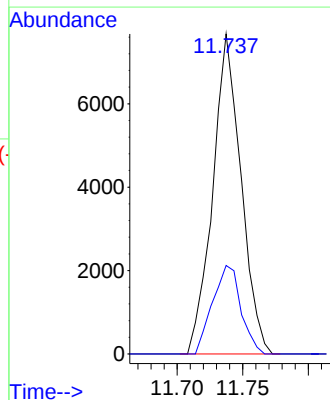
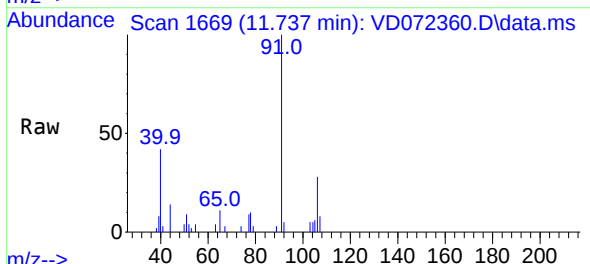
Instrument :
MSVOA_D
ClientSampleId :
G-4-7-17-18

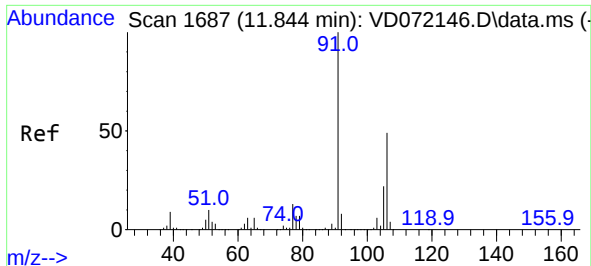
Tgt Ion:	117	Resp:	73004
Ion	Ratio	Lower	Upper
117	100		
82	55.9	45.3	67.9
119	29.2	26.6	40.0



#67
Ethyl Benzene
Concen: 3.984 ug/l
RT: 11.737 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

Tgt Ion:	91	Resp:	11517
Ion	Ratio	Lower	Upper
91	100		
106	27.6	24.2	36.4

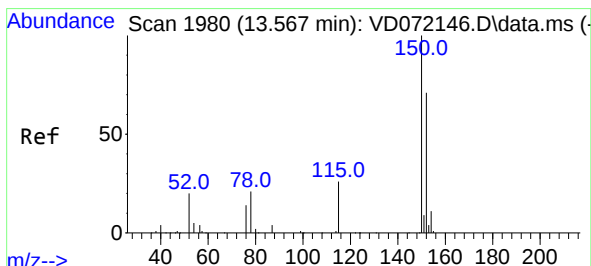
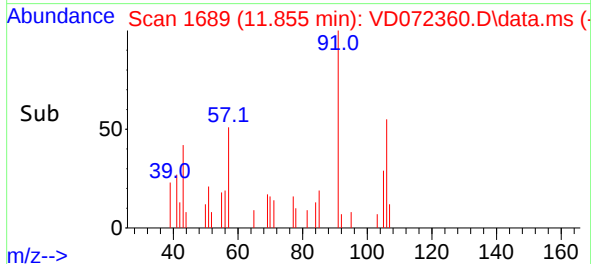
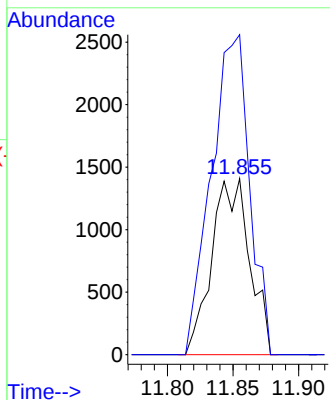
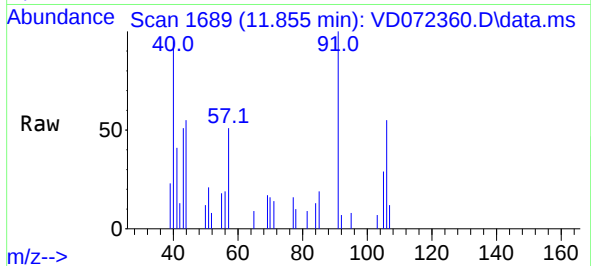




#68
m/p-Xylenes
Concen: 2.574 ug/l
RT: 11.855 min Scan# 11
Delta R.T. 0.011 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

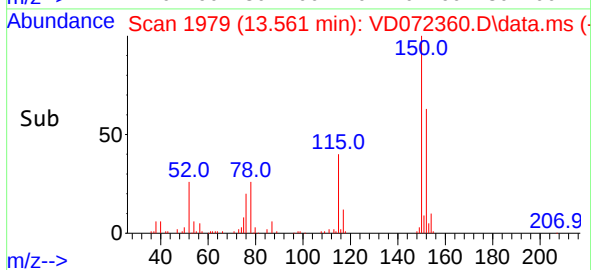
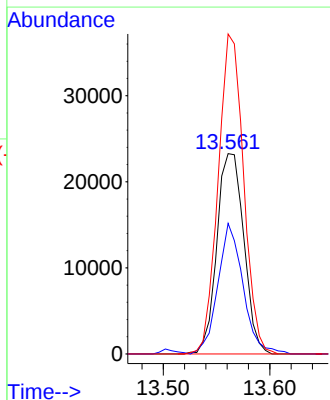
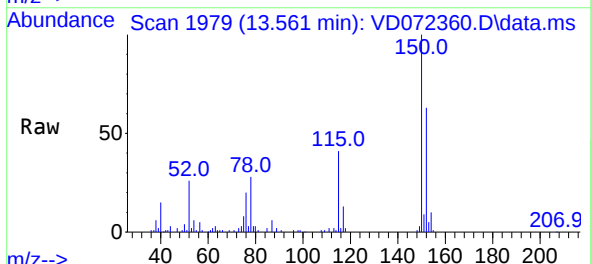
Instrument :
MSVOA_D
ClientSampleId :
G-4-7-17-18

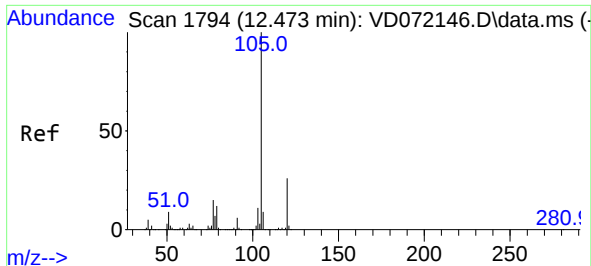
Tgt Ion:106 Resp: 2825
Ion Ratio Lower Upper
106 100
91 184.8 163.7 245.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

Tgt Ion:152 Resp: 40927
Ion Ratio Lower Upper
152 100
115 60.9 31.3 93.8
150 150.9 0.0 348.6

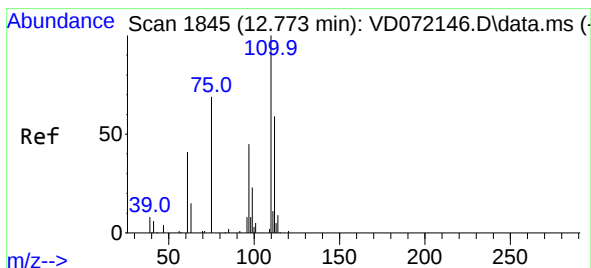
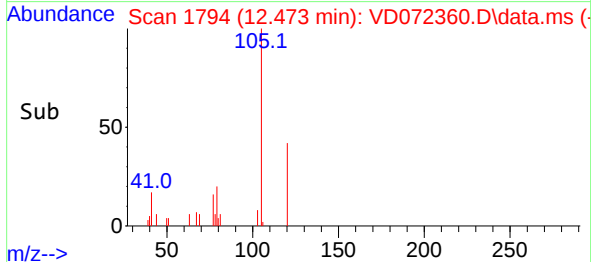
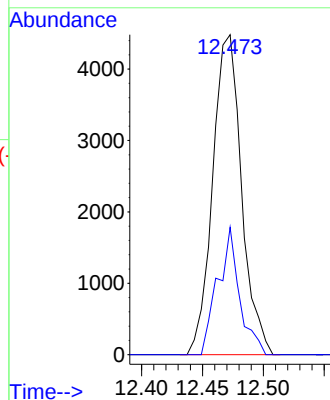
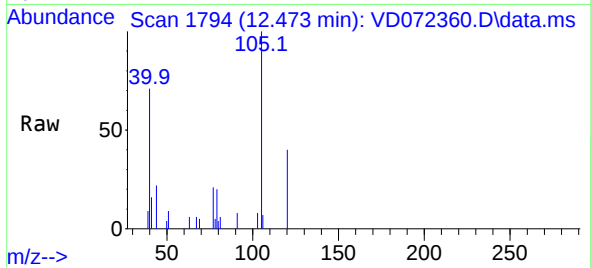




#73
Isopropylbenzene
Concen: 2.281 ug/l
RT: 12.473 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

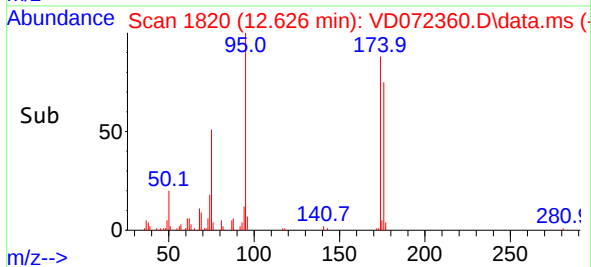
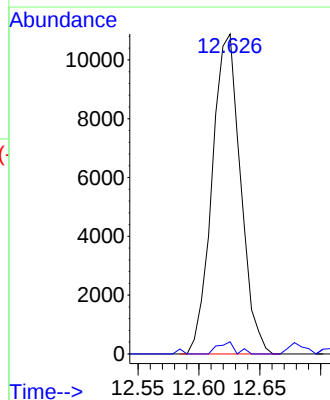
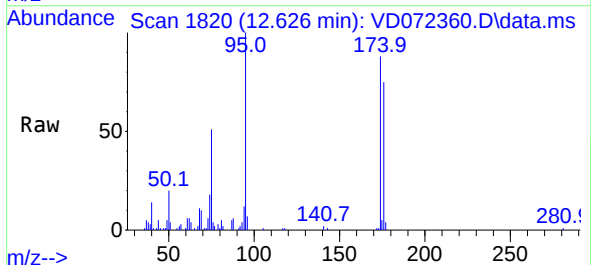
Instrument :
MSVOA_D
ClientSampleId :
G-4-7-17-18

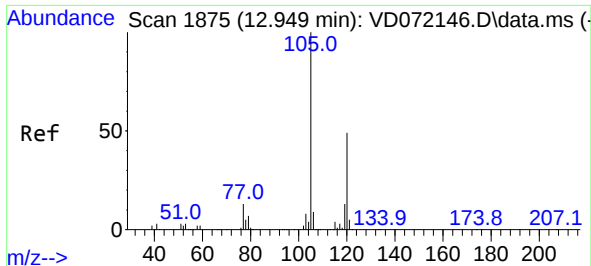
Tgt Ion:105 Resp: 7397
Ion Ratio Lower Upper
105 100
120 30.1 13.0 38.9



#76
1,2,3-Trichloropropane
Concen: 39.109 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

Tgt Ion: 75 Resp: 17656
Ion Ratio Lower Upper
75 100
77 2.3 0.0 0.0#

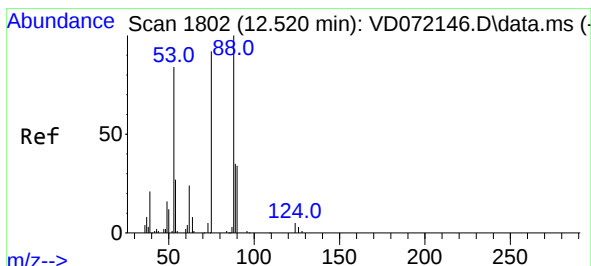
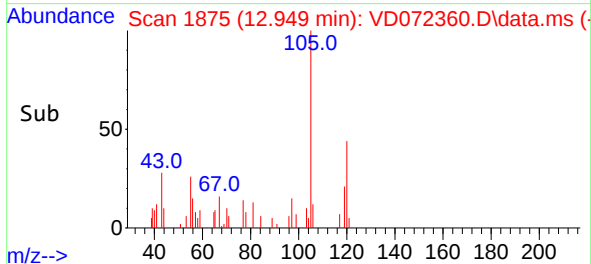
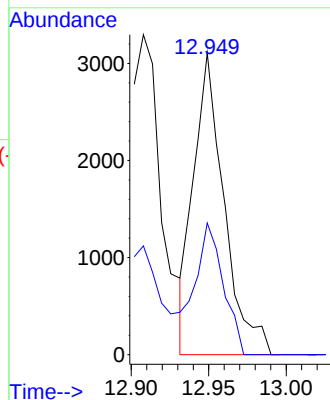
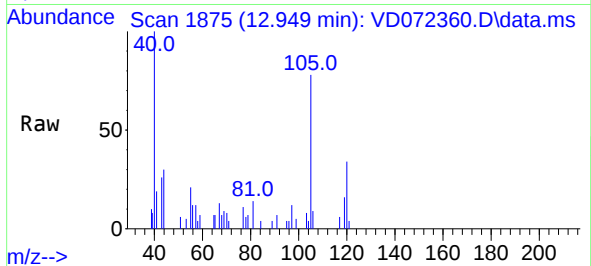




#80
1,3,5-Trimethylbenzene
Concen: 1.525 ug/l
RT: 12.949 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

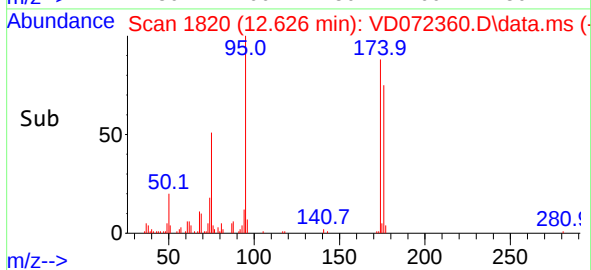
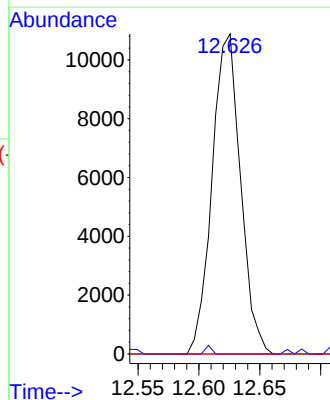
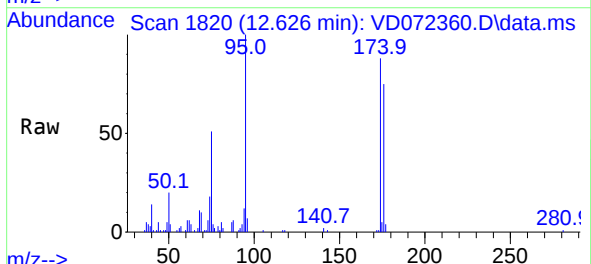
Instrument :
MSVOA_D
ClientSampleId :
G-4-7-17-18

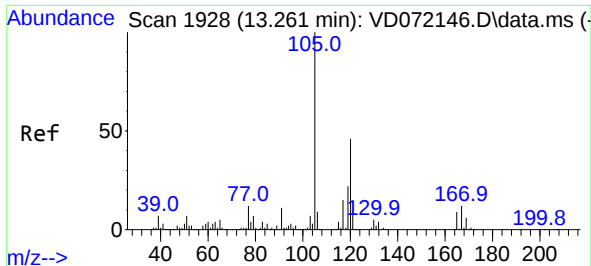
Tgt Ion:105 Resp: 4249
Ion Ratio Lower Upper
105 100
120 43.5 24.3 72.8



#81
trans-1,4-Dichloro-2-butene
Concen: 97.032 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

Tgt Ion: 75 Resp: 17656
Ion Ratio Lower Upper
75 100
53 0.6 86.5 129.7#
89 0.0 33.9 50.9#

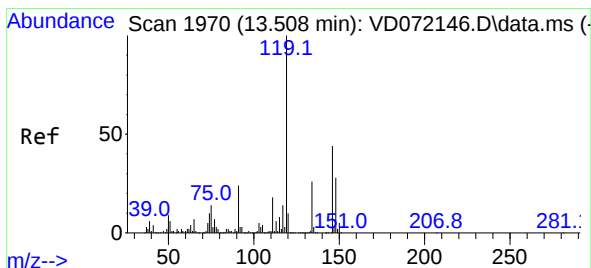
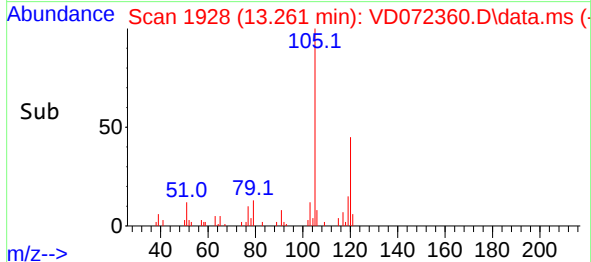
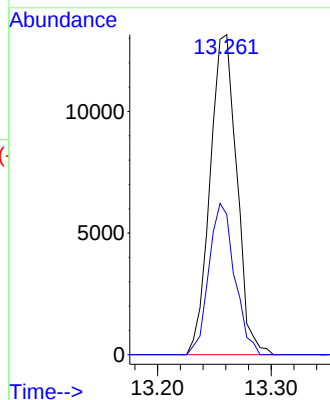
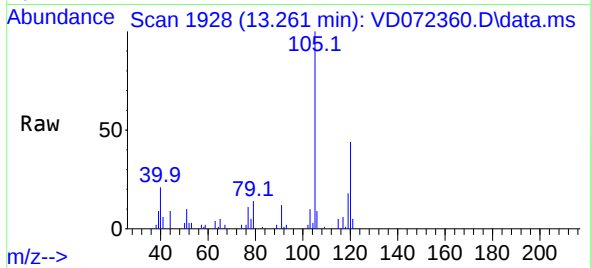




#84
1,2,4-Trimethylbenzene
Concen: 7.831 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. -0.000 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

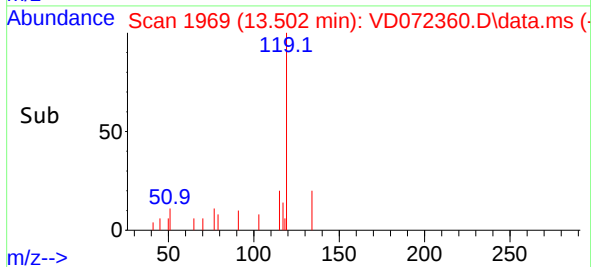
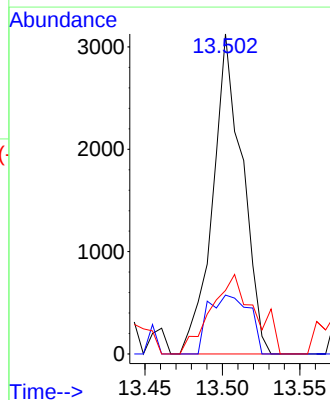
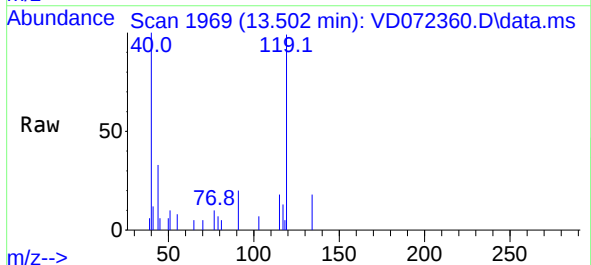
Instrument :
MSVOA_D
ClientSampleId :
G-4-7-17-18

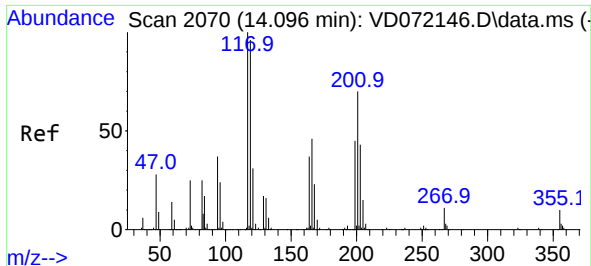
Tgt Ion:105 Resp: 21498
Ion Ratio Lower Upper
105 100
120 45.7 22.3 66.8



#86
p-Isopropyltoluene
Concen: 1.378 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. -0.006 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

Tgt Ion:119 Resp: 4161
Ion Ratio Lower Upper
119 100
134 25.4 12.9 38.6
91 36.4 12.1 36.3#

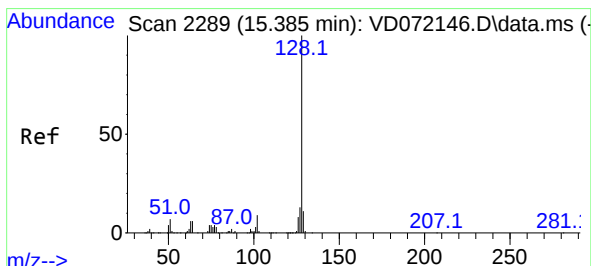
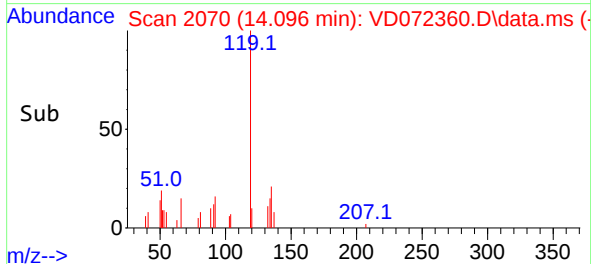
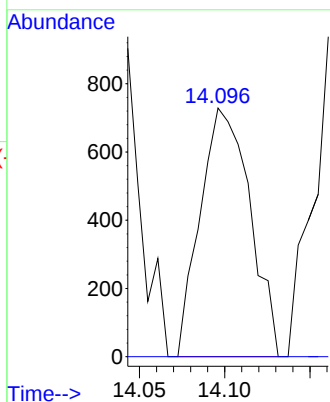
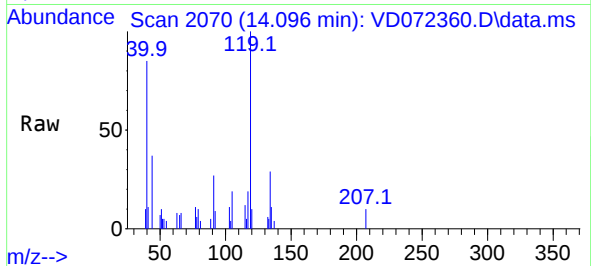




#90
Hexachloroethane
Concen: 2.502 ug/l
RT: 14.096 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

Instrument :
MSVOA_D
ClientSampleId :
G-4-7-17-18

Tgt Ion:117 Resp: 1480
Ion Ratio Lower Upper
117 100
201 0.0 33.4 100.2#



#95
Naphthalene
Concen: 280.512 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

Tgt Ion:128 Resp: 427013
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 11.1 8.4 12.6

