

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032122\
 Data File : VD072344.D
 Acq On : 21 Mar 2022 17:04
 Operator : VA/SY
 Sample : N1962-10RE
 Misc : 6.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 C-23-25-28

Quant Time: Mar 22 02:12:51 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)

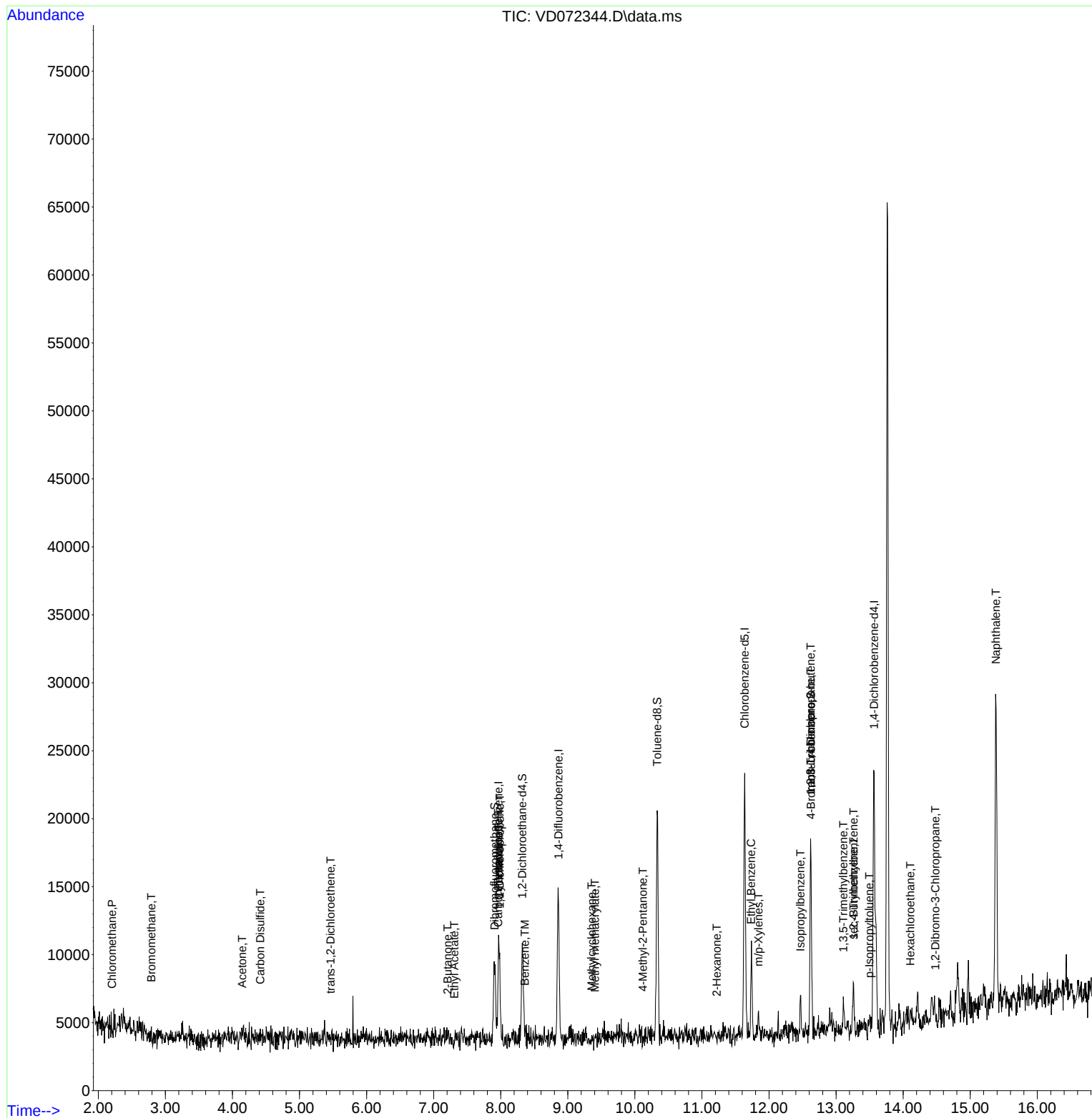
Internal Standards						
1) Pentafluorobenzene	7.967	168	5777	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	9580	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	11417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	5498	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	5103	79.262	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 158.520%			
35) Dibromofluoromethane	7.909	113	4656	69.065	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 138.120%			
50) Toluene-d8	10.332	98	11320	45.922	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 91.840%			
62) 4-Bromofluorobenzene	12.626	95	5145	53.717	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.440%			
Target Compounds					Qvalue	
3) Chloromethane	2.203	50	114	2.401	ug/l #	40
5) Bromomethane	2.791	94	98	3.284	ug/l #	63
16) Acetone	4.144	43	1978	141.503	ug/l	91
17) Carbon Disulfide	4.415	76	315	3.968	ug/l #	74
21) trans-1,2-Dichloroethene	5.462	96	64	1.090	ug/l #	1
25) 2-Butanone	7.209	43	487	26.130	ug/l #	52
31) Cyclohexane	7.973	56	113	1.123	ug/l #	19
36) 1,1-Dichloropropene	7.985	75	435	4.600	ug/l #	43
37) Ethyl Acetate	7.309	43	59	1.424	ug/l #	72
38) Carbon Tetrachloride	7.961	117	535	4.977	ug/l #	13
39) Methylcyclohexane	9.355	83	227	2.133	ug/l #	17
40) Benzene	8.361	78	750	2.780	ug/l #	51
48) Methyl methacrylate	9.403	41	74	1.927	ug/l #	19
51) 4-Methyl-2-Pentanone	10.120	43	65	1.539	ug/l #	39
59) 2-Hexanone	11.220	43	58	1.988	ug/l #	27
67) Ethyl Benzene	11.732	91	4407	9.749	ug/l	99
68) m/p-Xylenes	11.844	106	624	3.635	ug/l	91
73) Isopropylbenzene	12.467	105	1983	4.551	ug/l	89
76) 1,2,3-Trichloropropane	12.620	75	2746	45.278	ug/l #	100
80) 1,3,5-Trimethylbenzene	13.108	105	1426	3.810	ug/l	89
81) trans-1,4-Dichloro-2-b...	12.620	75	2746	112.339	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.261	105	2770	7.511	ug/l	75
85) sec-Butylbenzene	13.261	105	2770	5.621	ug/l #	57
86) p-Isopropyltoluene	13.496	119	455	1.122	ug/l #	50
90) Hexachloroethane	14.108	117	144	1.812	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.479	75	56	4.503	ug/l #	6
95) Naphthalene	15.385	128	21163	103.489	ug/l	98

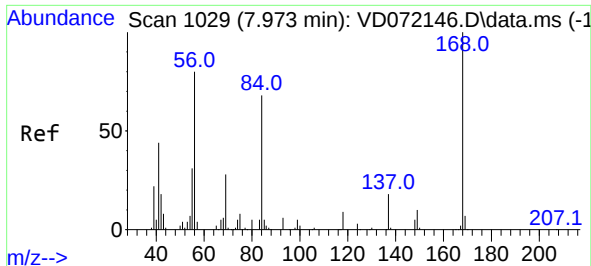
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032122\
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Quant Title : SW846 8260
QLast Update : Mon Mar 14 05:18:06 2022
Response via : Initial Calibration

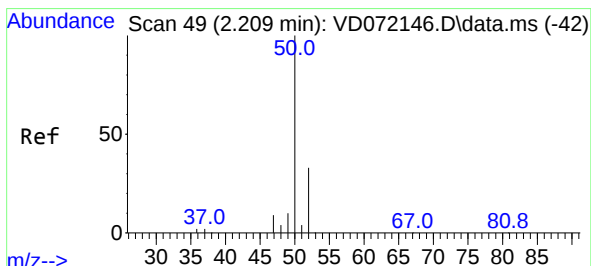
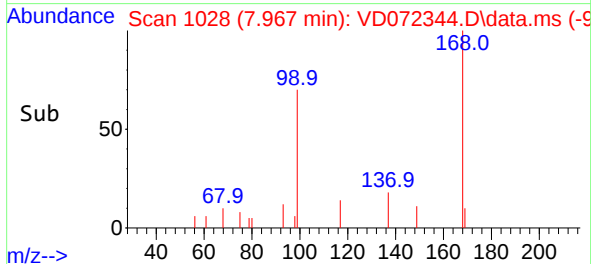
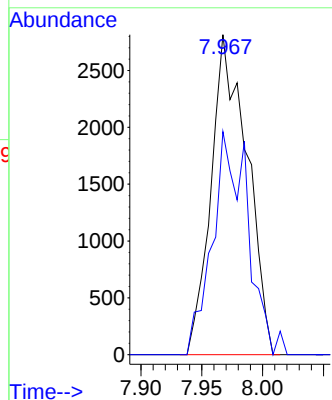
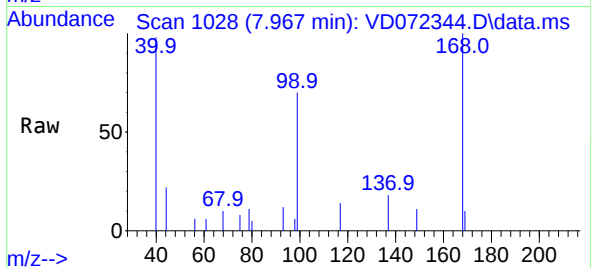




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD072344.D
Acq: 21 Mar 2022 17:04

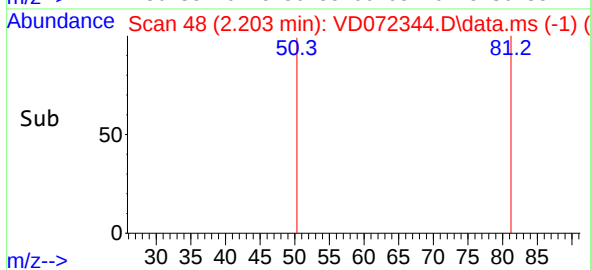
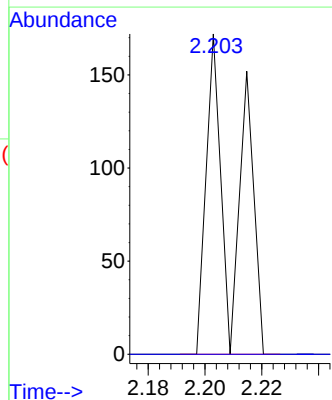
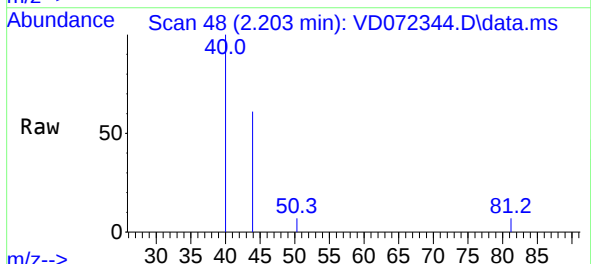
Instrument :
MSVOA_D
ClientSampleId :
C-23-25-28

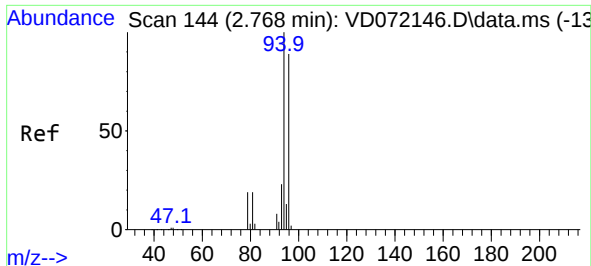
Tgt Ion:168 Resp: 5777
Ion Ratio Lower Upper
168 100
99 69.7 49.8 74.6



#3
Chloromethane
Concen: 2.401 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD072344.D
Acq: 21 Mar 2022 17:04

Tgt Ion: 50 Resp: 114
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

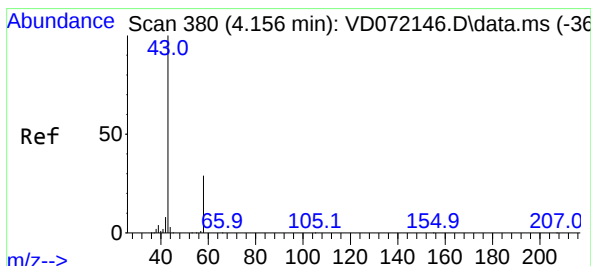
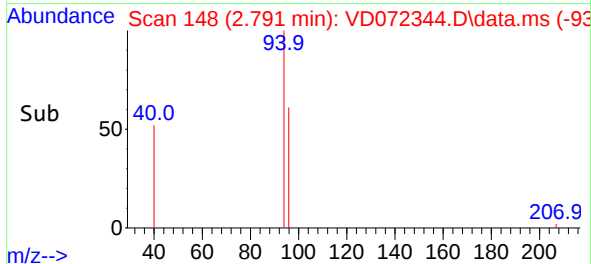
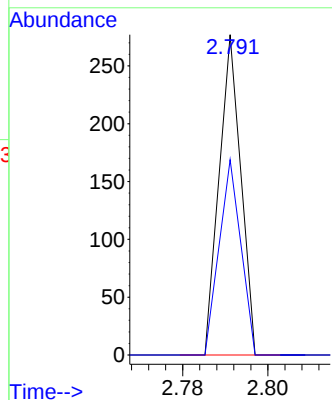
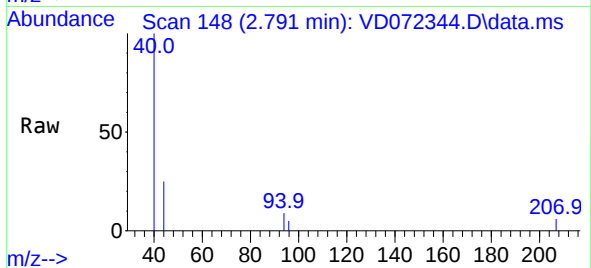




#5
Bromomethane
Concen: 3.284 ug/l
RT: 2.791 min Scan# 144
Delta R.T. 0.024 min
Lab File: VD072344.D
Acq: 21 Mar 2022 17:04

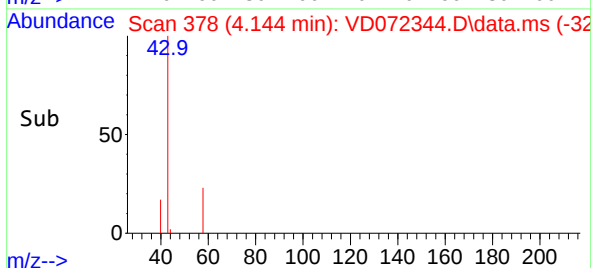
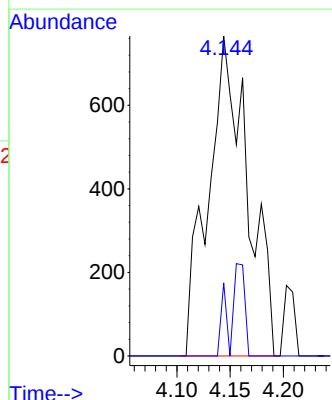
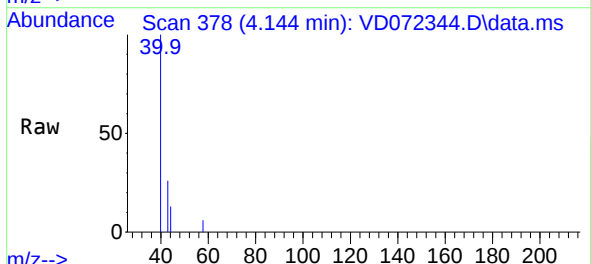
Instrument :
MSVOA_D
ClientSampleId :
C-23-25-28

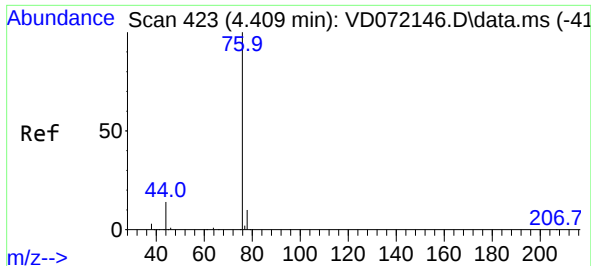
Tgt Ion: 94 Resp: 98
Ion Ratio Lower Upper
94 100
96 61.0 77.6 116.4#



#16
Acetone
Concen: 141.503 ug/l
RT: 4.144 min Scan# 378
Delta R.T. -0.012 min
Lab File: VD072344.D
Acq: 21 Mar 2022 17:04

Tgt Ion: 43 Resp: 1978
Ion Ratio Lower Upper
43 100
58 22.8 22.1 33.1

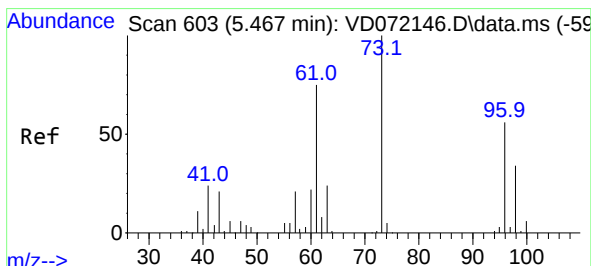
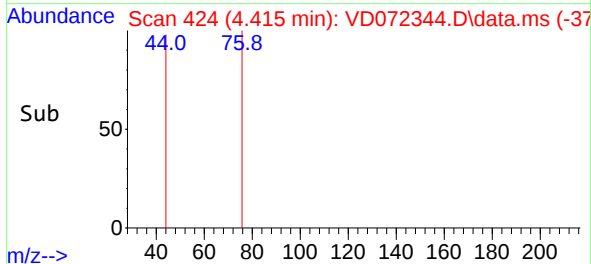
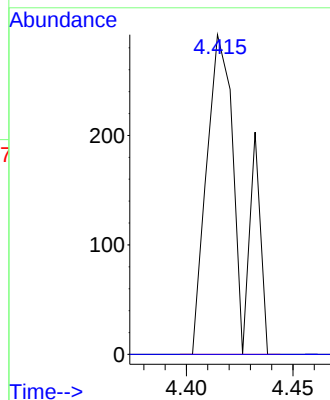
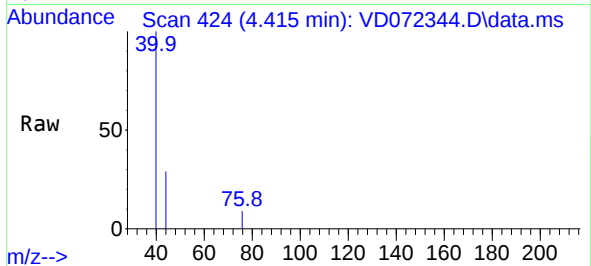




#17
Carbon Disulfide
Concen: 3.968 ug/l
RT: 4.415 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD072344.D
Acq: 21 Mar 2022 17:04

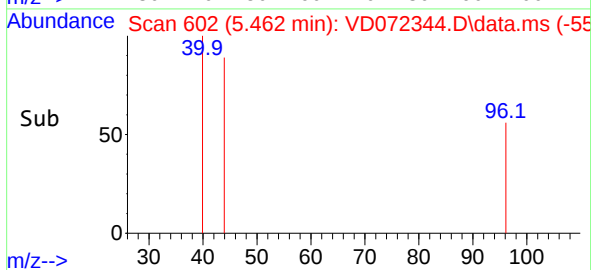
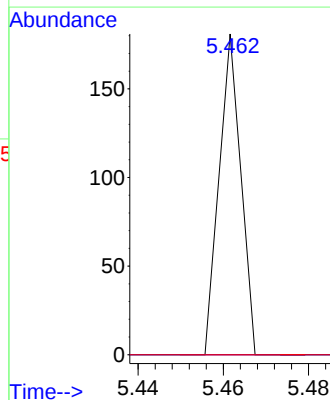
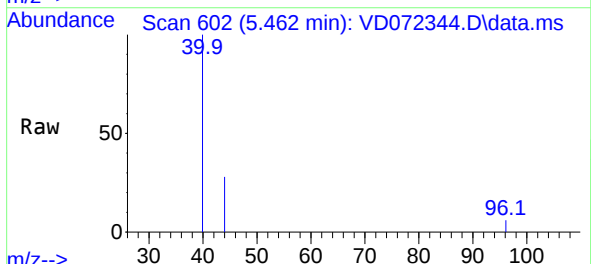
Instrument :
MSVOA_D
ClientSampleId :
C-23-25-28

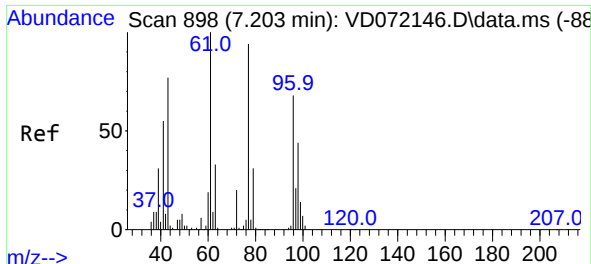
Tgt Ion: 76 Resp: 315
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#21
trans-1,2-Dichloroethene
Concen: 1.090 ug/l
RT: 5.462 min Scan# 602
Delta R.T. -0.006 min
Lab File: VD072344.D
Acq: 21 Mar 2022 17:04

Tgt Ion: 96 Resp: 64
Ion Ratio Lower Upper
96 100
61 0.0 117.9 176.9#
98 0.0 49.4 74.2#

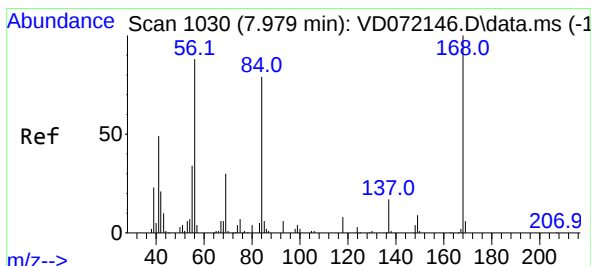
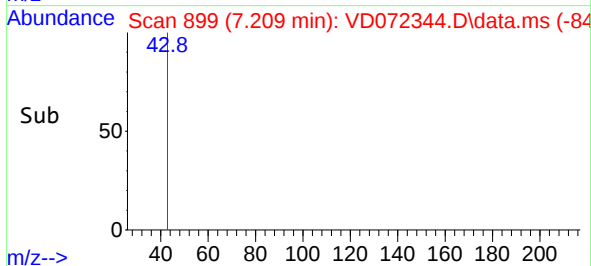
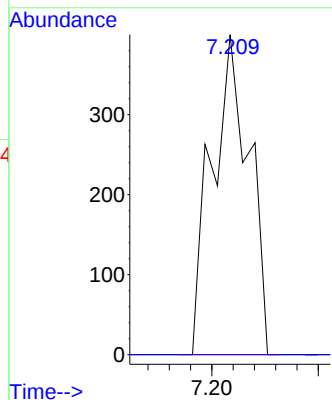
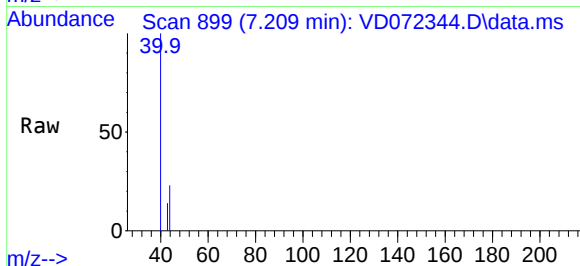




#25
2-Butanone
Concen: 26.130 ug/l
RT: 7.209 min Scan# 89
Delta R.T. 0.006 min
Lab File: VD072344.D
Acq: 21 Mar 2022 17:04

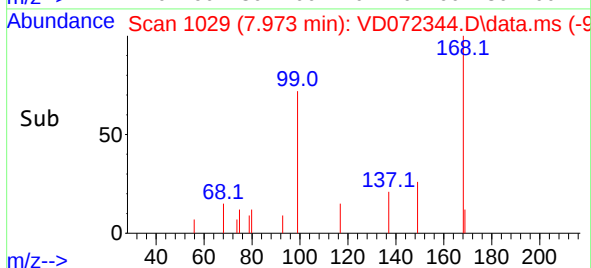
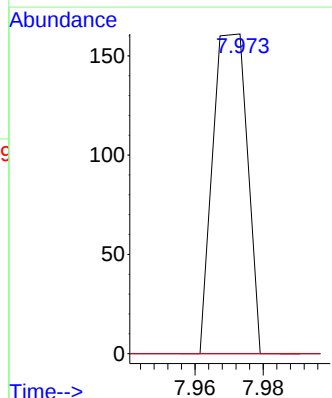
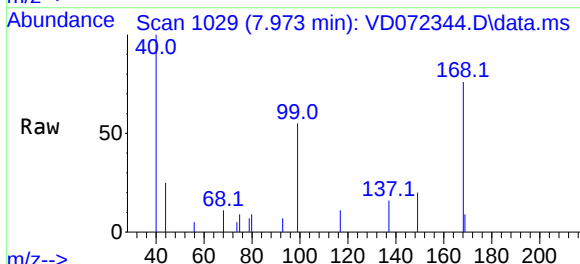
Instrument :
MSVOA_D
ClientSampleId :
C-23-25-28

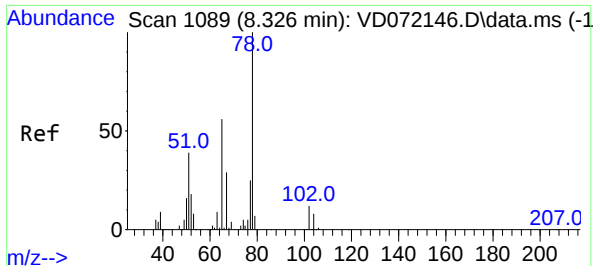
Tgt Ion: 43 Resp: 487
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.123 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072344.D
Acq: 21 Mar 2022 17:04

Tgt Ion: 56 Resp: 113
Ion Ratio Lower Upper
56 100
69 0.0 25.4 38.2#
84 0.0 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 79.262 ug/l

RT: 8.320 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VD072344.D

Acq: 21 Mar 2022 17:04

Instrument :

MSVOA_D

ClientSampleId :

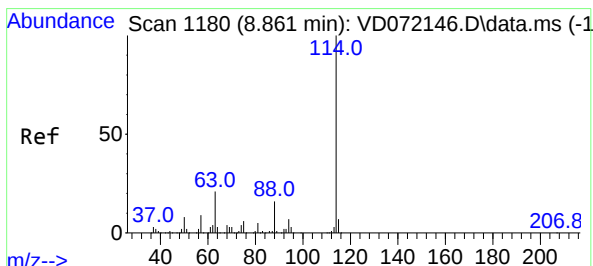
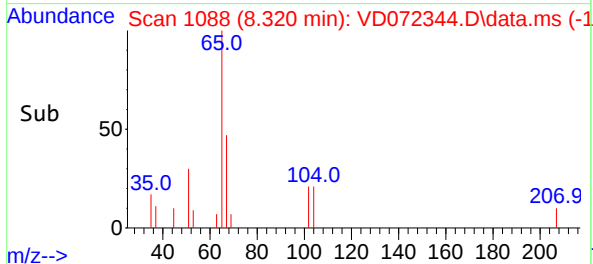
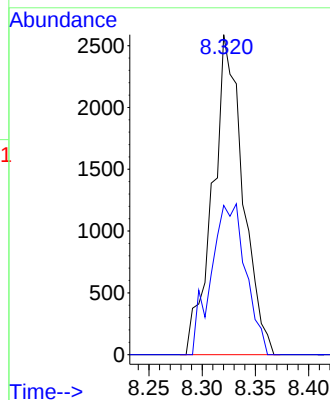
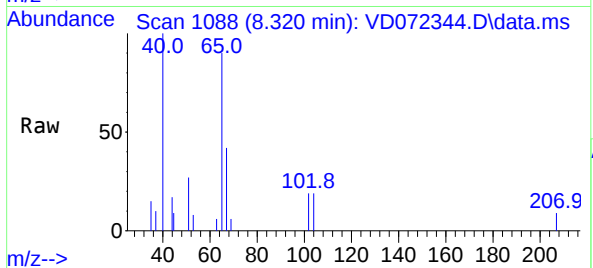
C-23-25-28

Tgt Ion: 65 Resp: 5103

Ion Ratio Lower Upper

65 100

67 54.2 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: VD072344.D

Acq: 21 Mar 2022 17:04

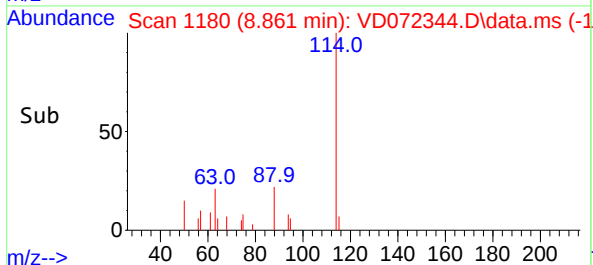
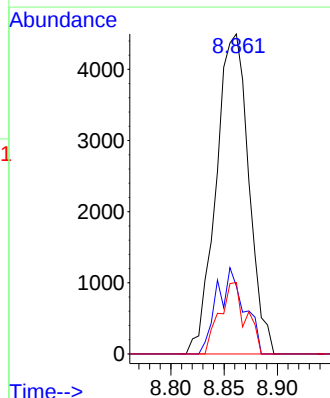
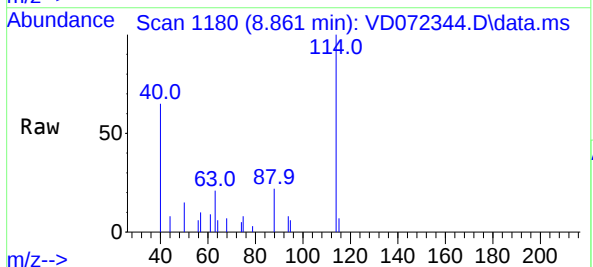
Tgt Ion: 114 Resp: 9580

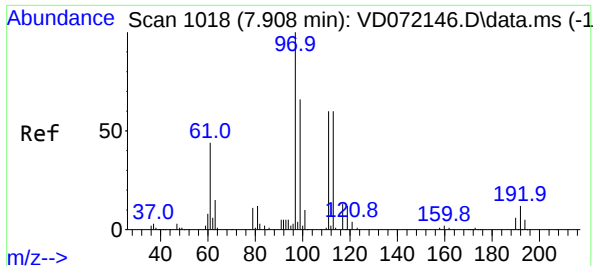
Ion Ratio Lower Upper

114 100

63 21.2 0.0 46.6

88 22.3 0.0 33.2

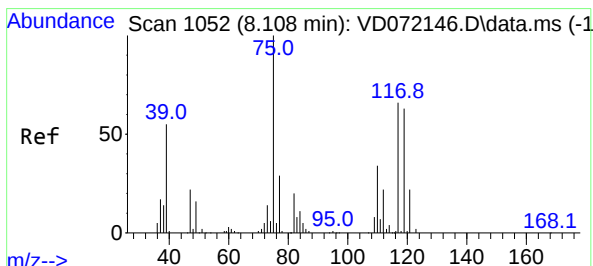
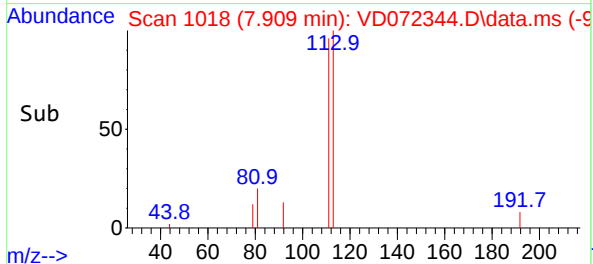
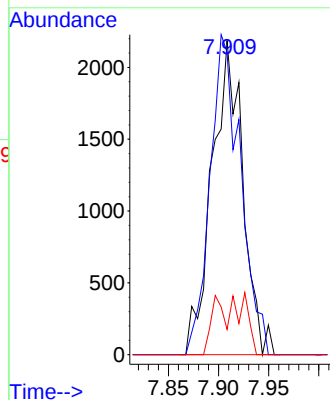
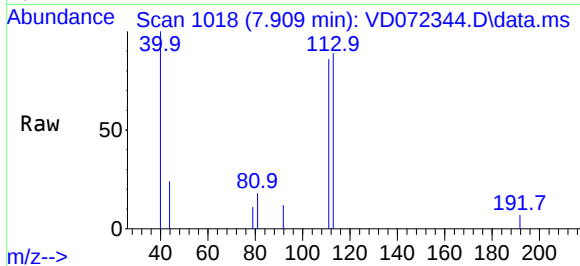




#35
Dibromofluoromethane
Concen: 69.065 ug/l
RT: 7.909 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD072344.D
Acq: 21 Mar 2022 17:04

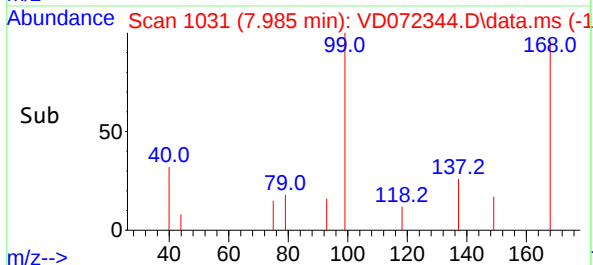
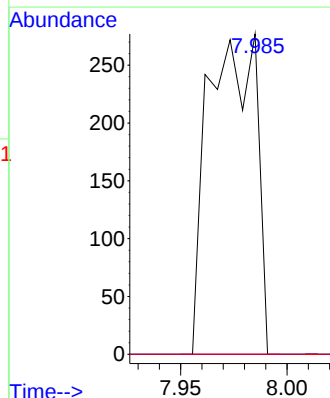
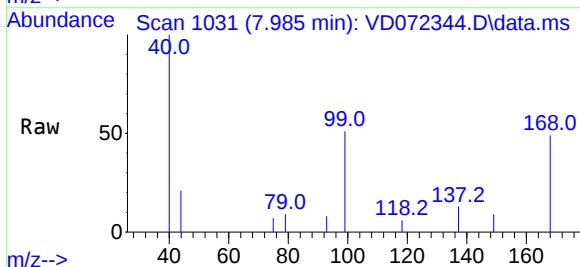
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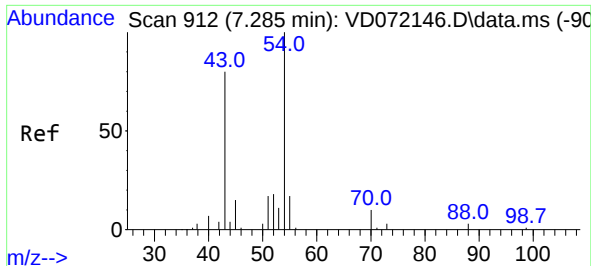
Tgt Ion:113 Resp: 4656
Ion Ratio Lower Upper
113 100
111 100.8 83.8 125.6
192 8.3 14.6 21.8#



#36
1,1-Dichloropropene
Concen: 4.600 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.123 min
Lab File: VD072344.D
Acq: 21 Mar 2022 17:04

Tgt Ion: 75 Resp: 435
Ion Ratio Lower Upper
75 100
110 0.0 16.4 49.1#
77 0.0 24.2 36.2#

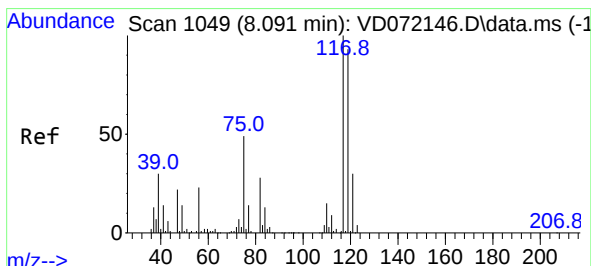
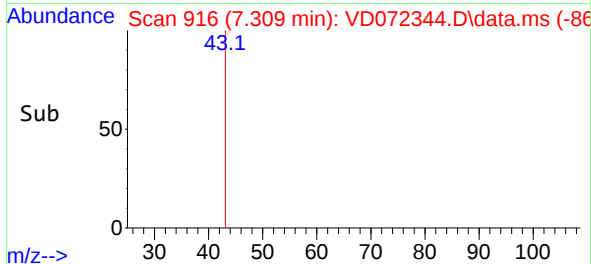
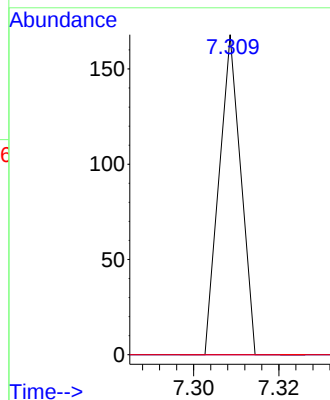
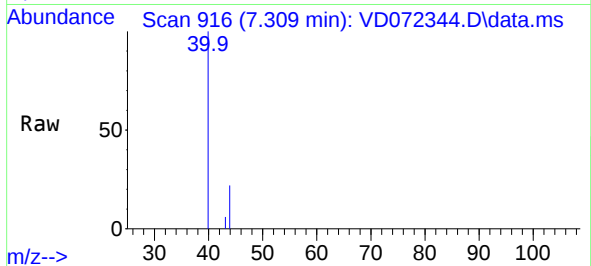




#37
Ethyl Acetate
Concen: 1.424 ug/l
RT: 7.309 min Scan# 91
Delta R.T. 0.024 min
Lab File: VD072344.D
Acq: 21 Mar 2022 17:04

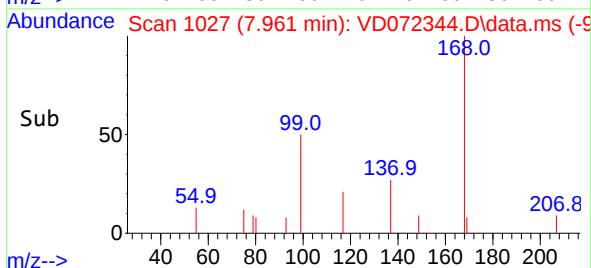
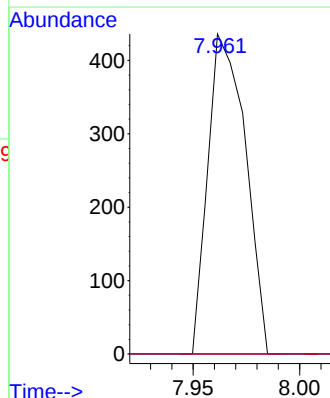
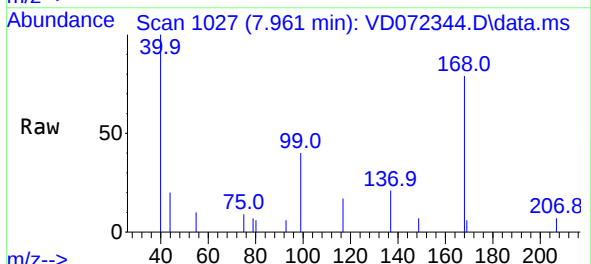
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ClientSampleId :
C-23-25-28

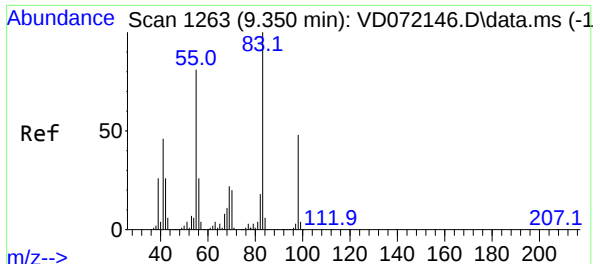
Tgt Ion: 43	Resp:	59
Ion	Ratio	Lower Upper
43	100	
61	0.0	9.8 14.8#
70	0.0	6.9 10.3#



#38
Carbon Tetrachloride
Concen: 4.977 ug/l
RT: 7.961 min Scan# 1027
Delta R.T. -0.129 min
Lab File: VD072344.D
Acq: 21 Mar 2022 17:04

Tgt Ion: 117	Resp:	535
Ion	Ratio	Lower Upper
117	100	
119	0.0	75.8 113.6#
121	0.0	24.5 36.7#





#39

Methylcyclohexane

Concen: 2.133 ug/l

RT: 9.355 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD072344.D

Acq: 21 Mar 2022 17:04

Instrument :

MSVOA_D

ClientSampleId :

C-23-25-28

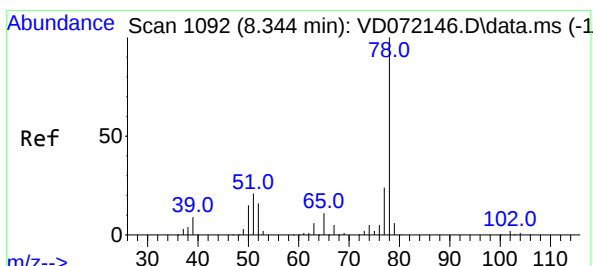
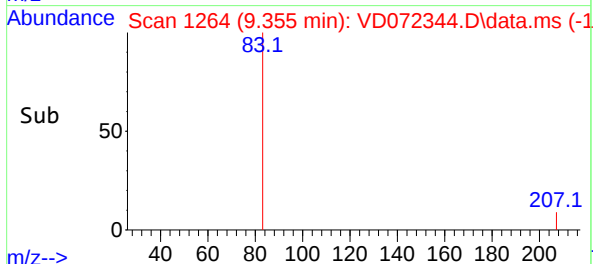
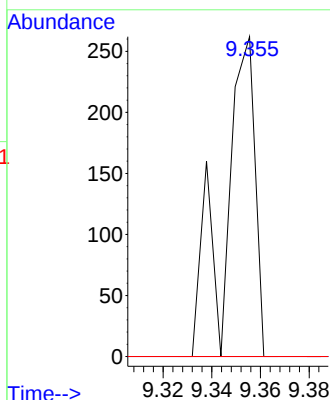
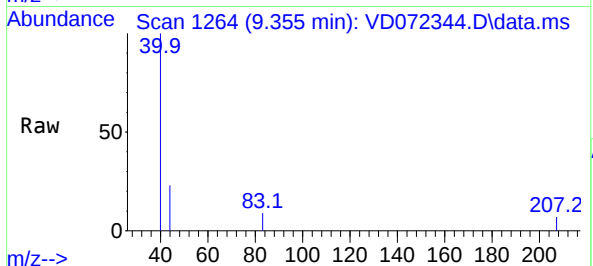
Tgt Ion: 83 Resp: 227

Ion Ratio Lower Upper

83 100

55 0.0 63.2 94.8#

98 0.0 38.2 57.4#



#40

Benzene

Concen: 2.780 ug/l

RT: 8.361 min Scan# 1095

Delta R.T. 0.018 min

Lab File: VD072344.D

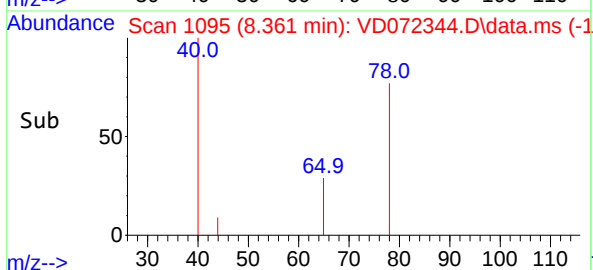
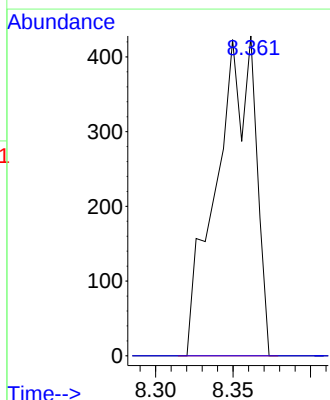
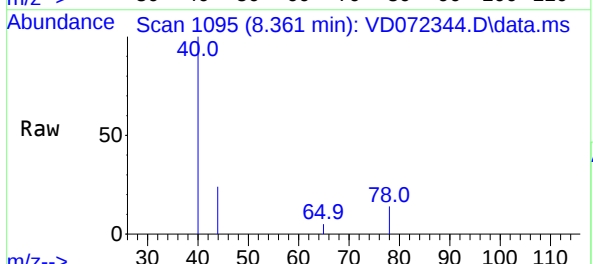
Acq: 21 Mar 2022 17:04

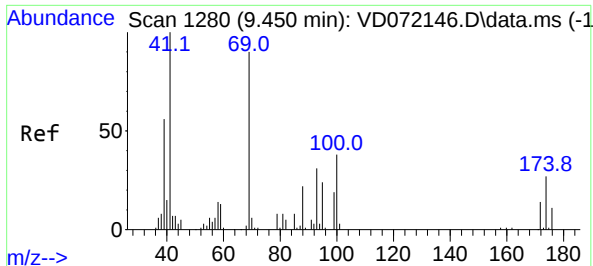
Tgt Ion: 78 Resp: 750

Ion Ratio Lower Upper

78 100

77 0.0 19.1 28.7#

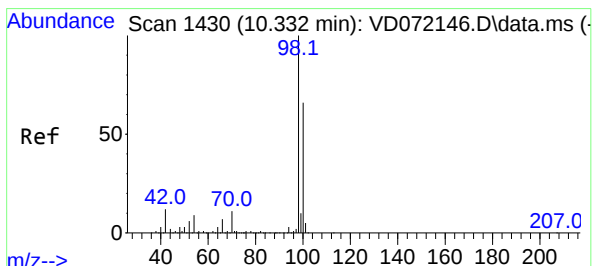
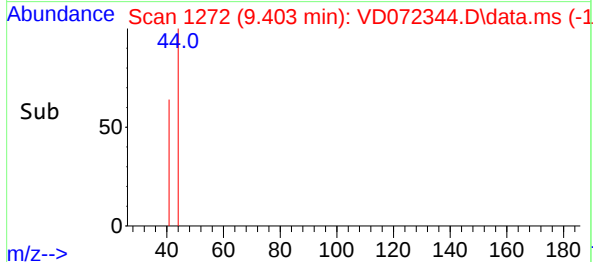
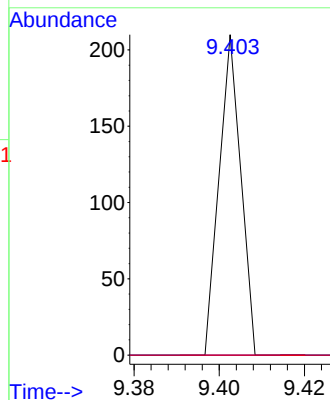
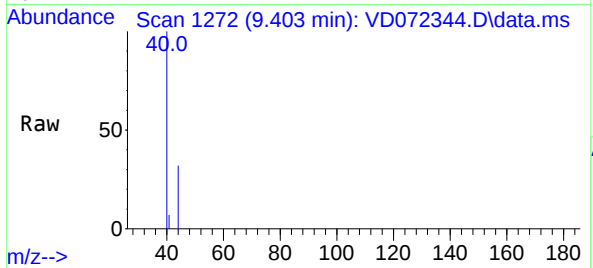




#48
Methyl methacrylate
Concen: 1.927 ug/l
RT: 9.403 min Scan# 11
Delta R.T. -0.047 min
Lab File: VD072344.D
Acq: 21 Mar 2022 17:04

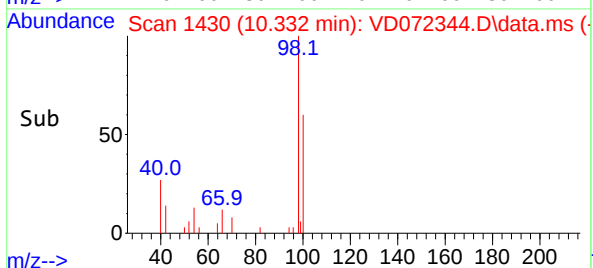
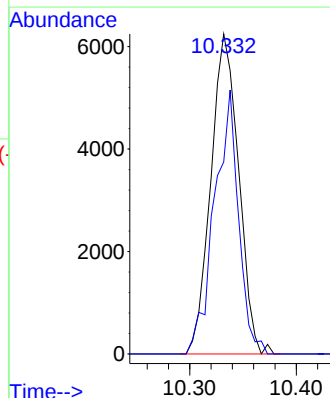
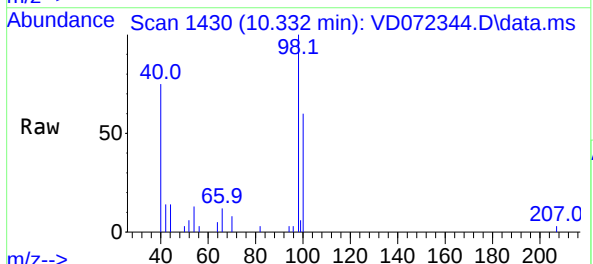
Instrument :
MSVOA_D
ClientSampleId :
C-23-25-28

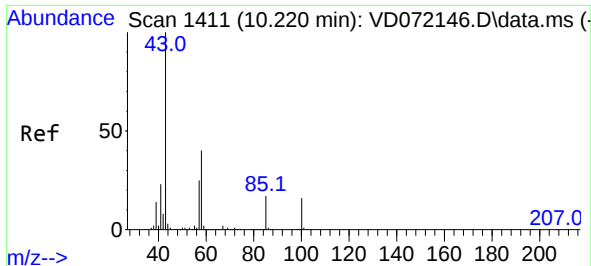
Tgt Ion: 41 Resp: 74
Ion Ratio Lower Upper
41 100
69 0.0 56.7 85.1#
39 0.0 42.7 64.1#



#50
Toluene-d8
Concen: 45.922 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD072344.D
Acq: 21 Mar 2022 17:04

Tgt Ion: 98 Resp: 11320
Ion Ratio Lower Upper
98 100
100 71.4 52.4 78.6

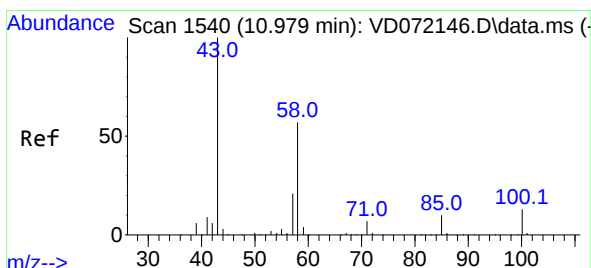
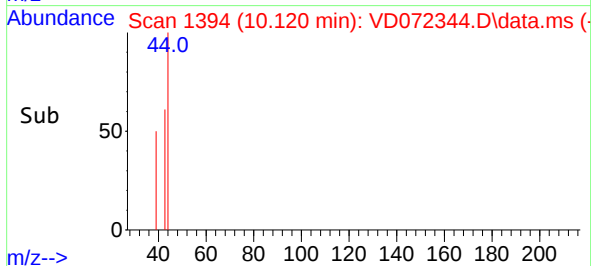
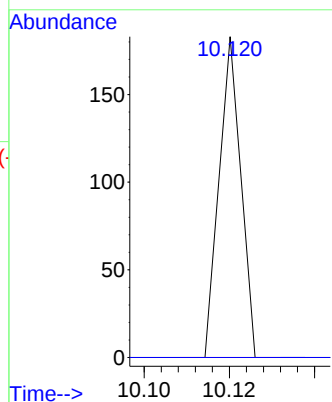
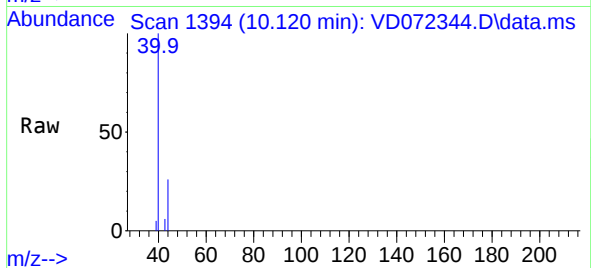




#51
4-Methyl-2-Pentanone
Concen: 1.539 ug/l
RT: 10.120 min Scan# 11
Delta R.T. -0.100 min
Lab File: VD072344.D
Acq: 21 Mar 2022 17:04

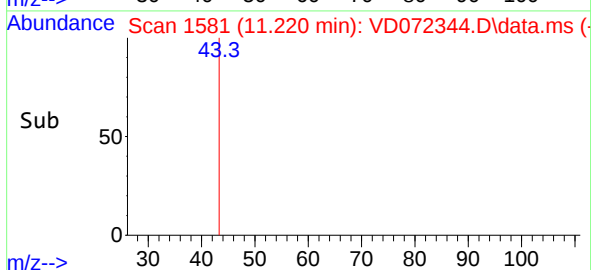
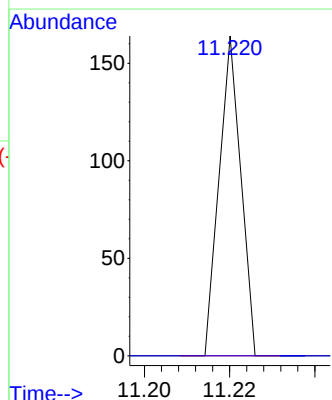
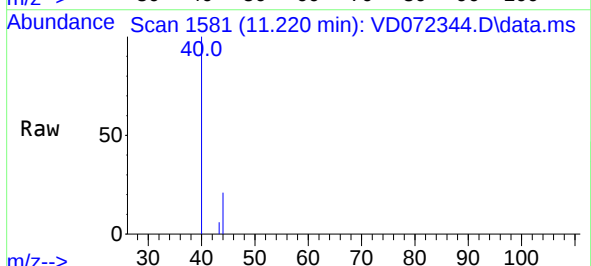
Instrument :
MSVOA_D
ClientSampleId :
C-23-25-28

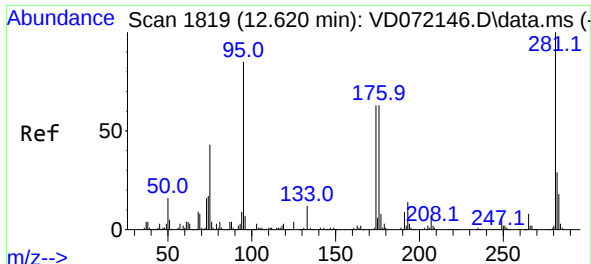
Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#



#59
2-Hexanone
Concen: 1.988 ug/l
RT: 11.220 min Scan# 1581
Delta R.T. 0.241 min
Lab File: VD072344.D
Acq: 21 Mar 2022 17:04

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

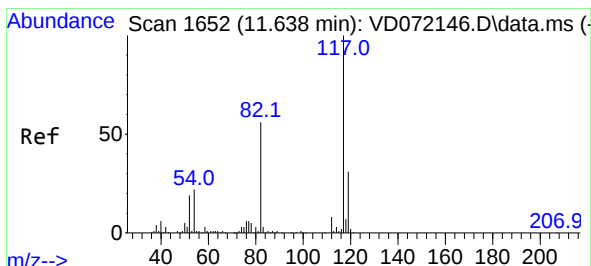
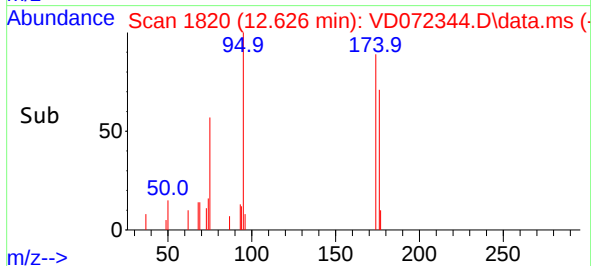
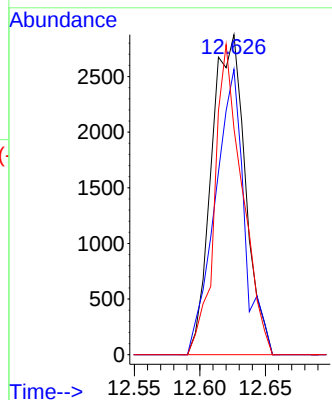
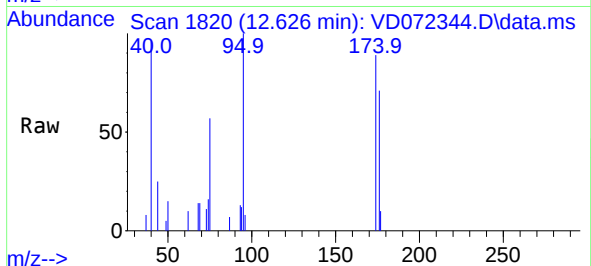




#62
4-Bromofluorobenzene
Concen: 53.717 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072344.D
Acq: 21 Mar 2022 17:04

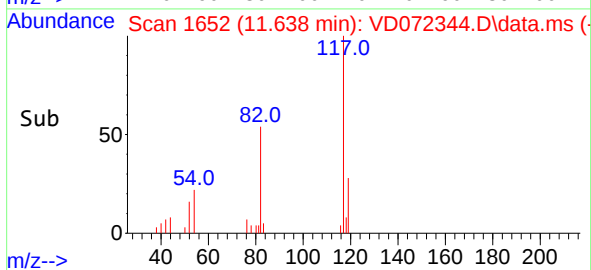
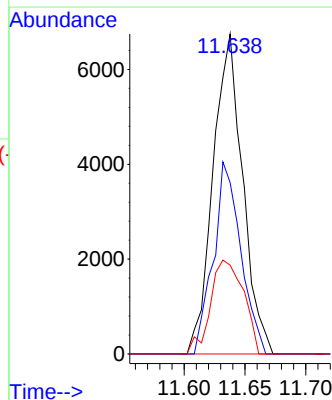
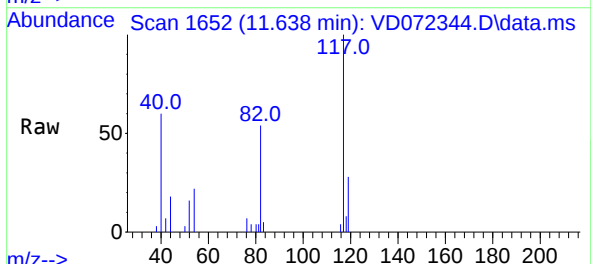
Instrument :
MSVOA_D
ClientSampleId :
C-23-25-28

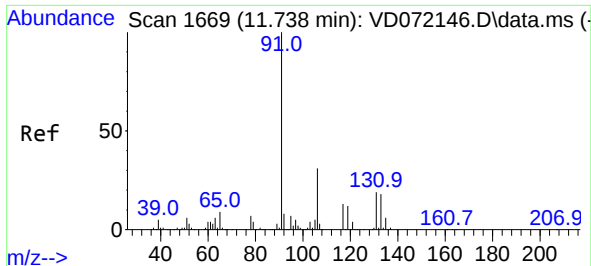
Tgt Ion:	95	Resp:	5145
Ion	Ratio	Lower	Upper
95	100		
174	77.1	0.0	152.8
176	79.5	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072344.D
Acq: 21 Mar 2022 17:04

Tgt Ion:	117	Resp:	11417
Ion	Ratio	Lower	Upper
117	100		
82	53.6	45.3	67.9
119	27.8	26.6	40.0

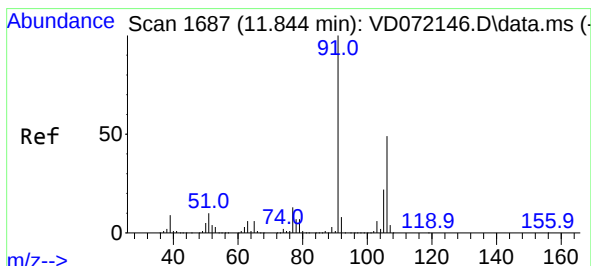
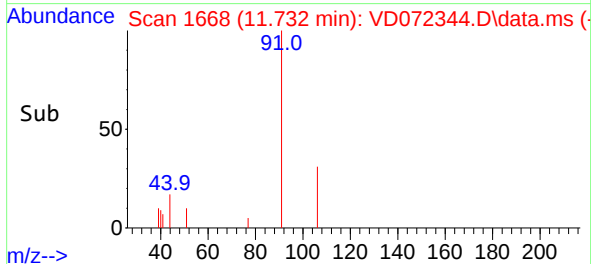
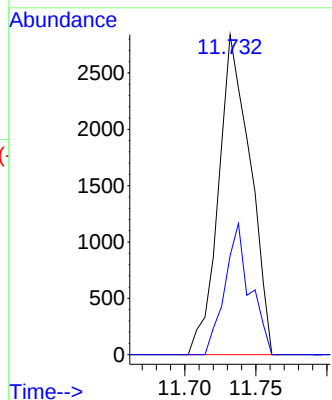
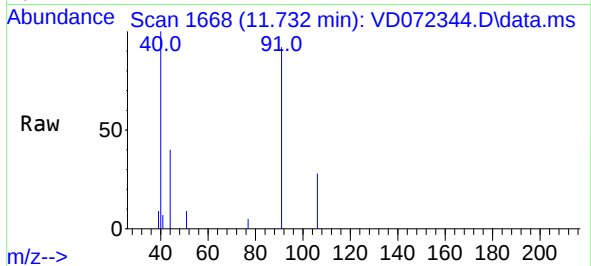




#67
Ethyl Benzene
Concen: 9.749 ug/l
RT: 11.732 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VD072344.D
Acq: 21 Mar 2022 17:04

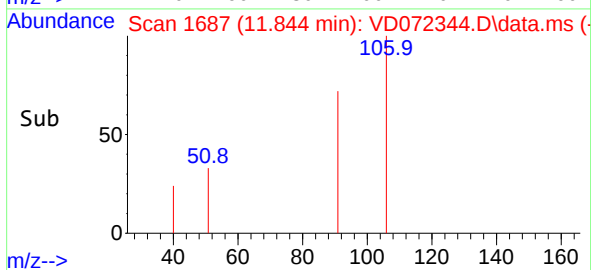
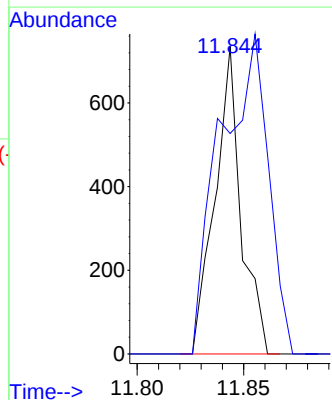
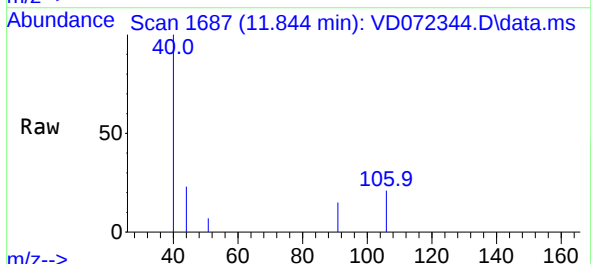
Instrument :
MSVOA_D
ClientSampleId :
C-23-25-28

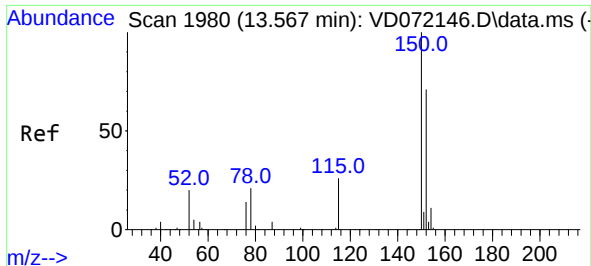
Tgt Ion: 91 Resp: 4407
Ion Ratio Lower Upper
91 100
106 31.0 24.2 36.4



#68
m/p-Xylenes
Concen: 3.635 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VD072344.D
Acq: 21 Mar 2022 17:04

Tgt Ion: 106 Resp: 624
Ion Ratio Lower Upper
106 100
91 191.2 163.7 245.5

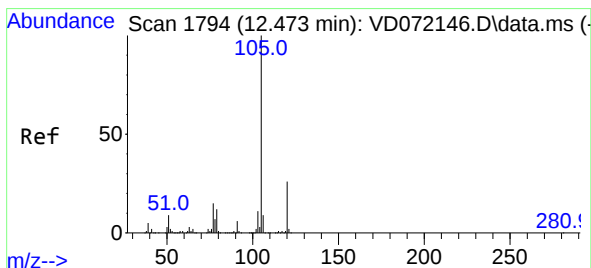
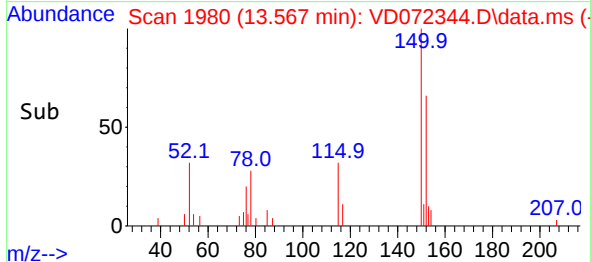
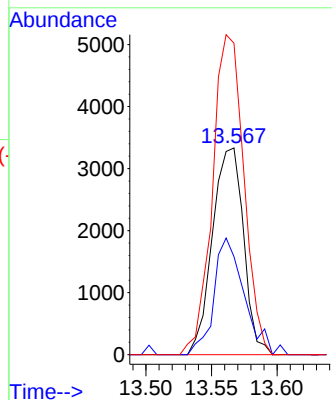
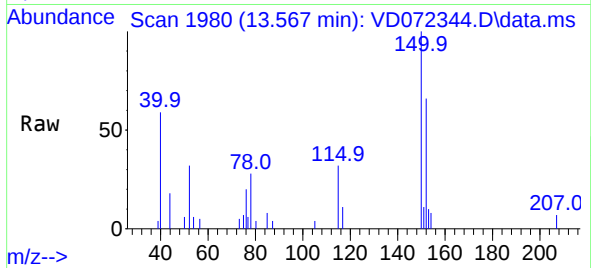




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD072344.D
Acq: 21 Mar 2022 17:04

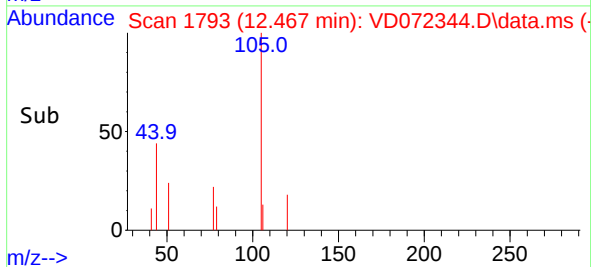
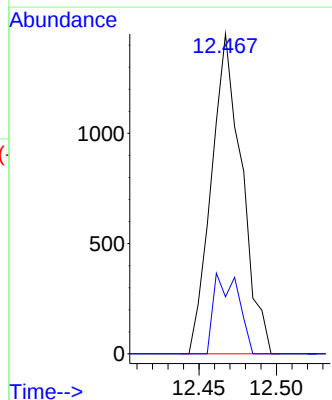
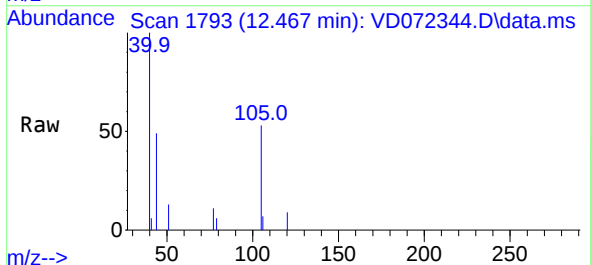
Instrument :
MSVOA_D
ClientSampleId :
C-23-25-28

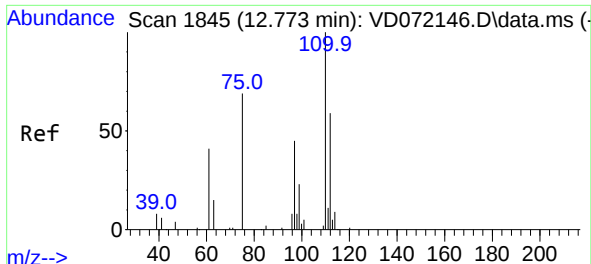
Tgt Ion:152 Resp: 5498
Ion Ratio Lower Upper
152 100
115 55.3 31.3 93.8
150 156.2 0.0 348.6



#73
Isopropylbenzene
Concen: 4.551 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VD072344.D
Acq: 21 Mar 2022 17:04

Tgt Ion:105 Resp: 1983
Ion Ratio Lower Upper
105 100
120 20.2 13.0 38.9

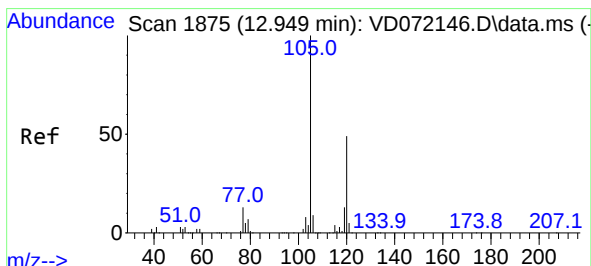
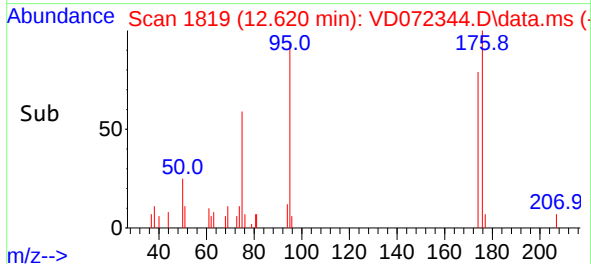
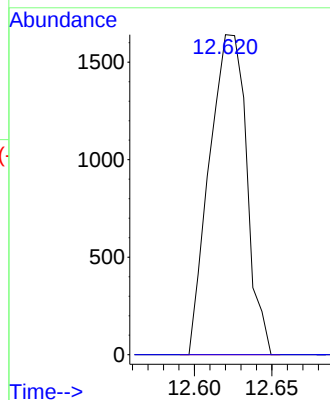
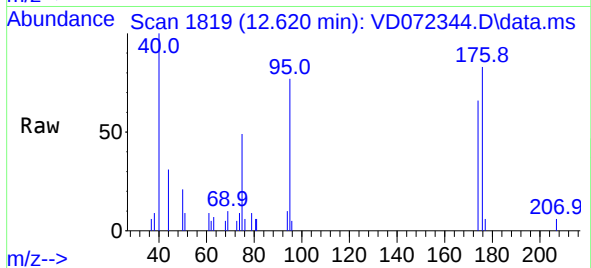




#76
1,2,3-Trichloropropane
Concen: 45.278 ug/l
RT: 12.620 min Scan# 11
Delta R.T. -0.153 min
Lab File: VD072344.D
Acq: 21 Mar 2022 17:04

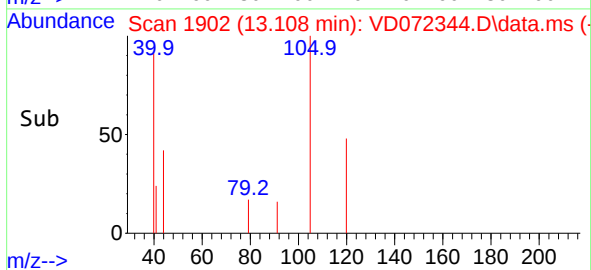
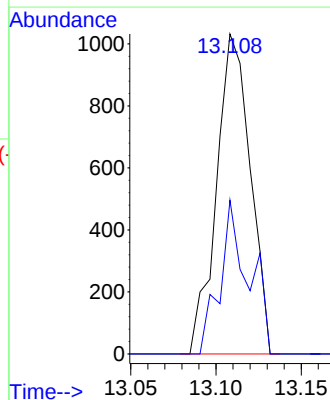
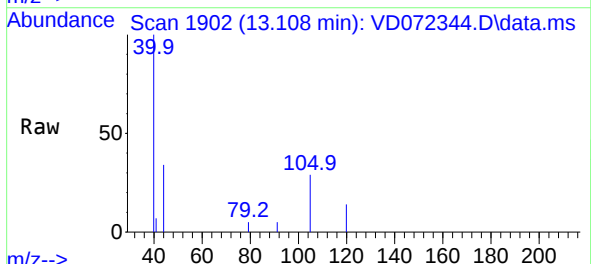
Instrument :
MSVOA_D
ClientSampleId :
C-23-25-28

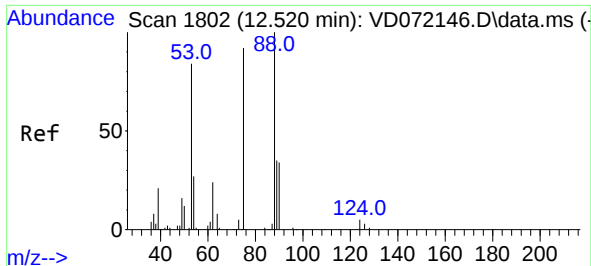
Tgt Ion: 75 Resp: 2746
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#80
1,3,5-Trimethylbenzene
Concen: 3.810 ug/l
RT: 13.108 min Scan# 1902
Delta R.T. 0.159 min
Lab File: VD072344.D
Acq: 21 Mar 2022 17:04

Tgt Ion: 105 Resp: 1426
Ion Ratio Lower Upper
105 100
120 40.9 24.3 72.8

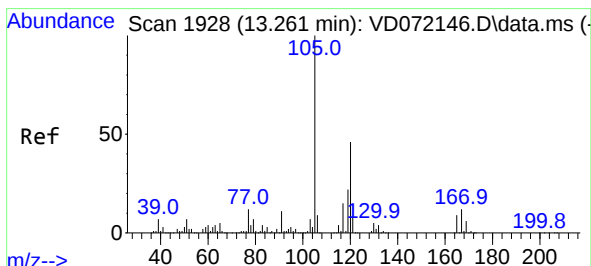
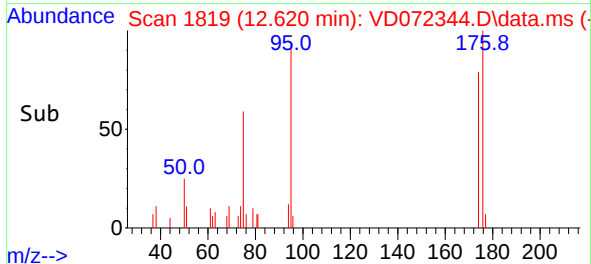
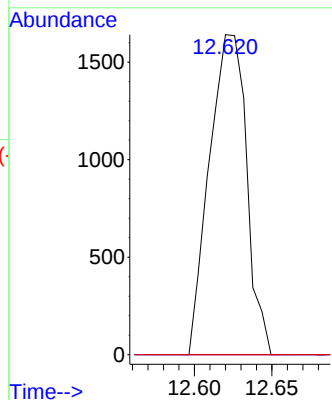
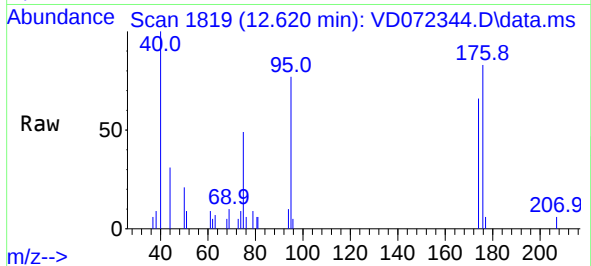




#81
trans-1,4-Dichloro-2-butene
Concen: 112.339 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072344.D
Acq: 21 Mar 2022 17:04

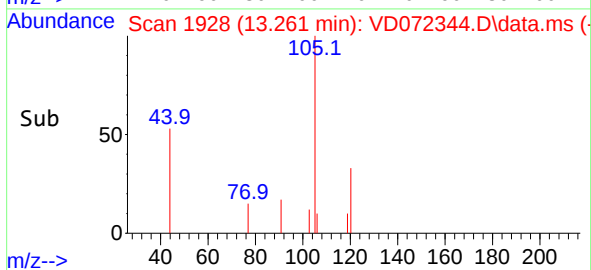
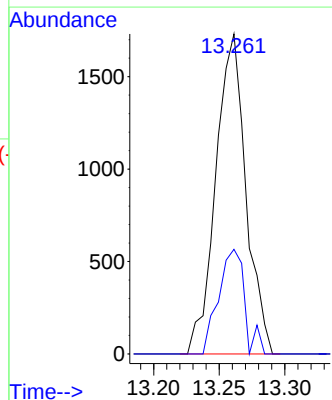
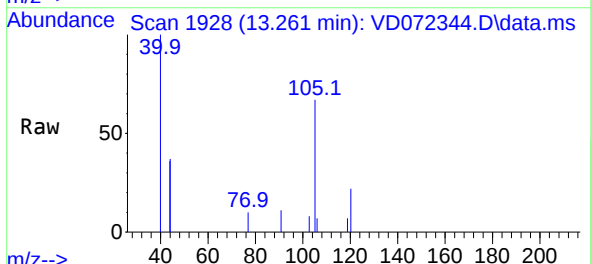
Instrument :
MSVOA_D
ClientSampleId :
C-23-25-28

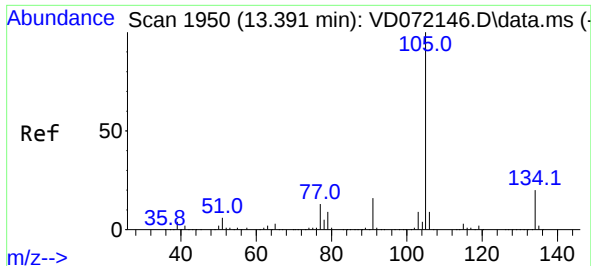
Tgt Ion: 75 Resp: 2746
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#84
1,2,4-Trimethylbenzene
Concen: 7.511 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. 0.000 min
Lab File: VD072344.D
Acq: 21 Mar 2022 17:04

Tgt Ion: 105 Resp: 2770
Ion Ratio Lower Upper
105 100
120 28.1 22.3 66.8

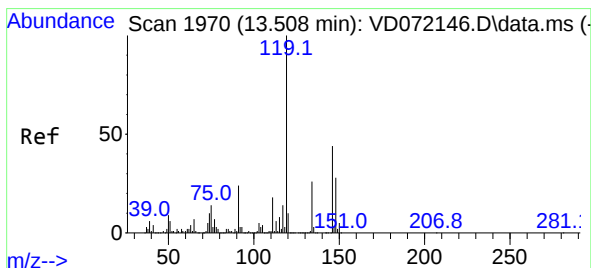
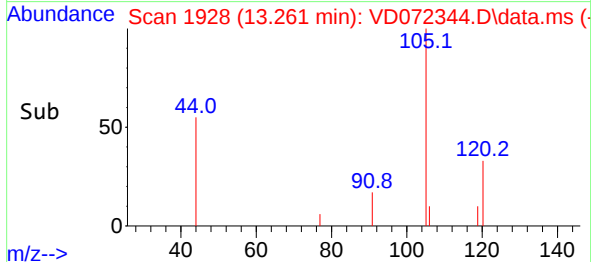
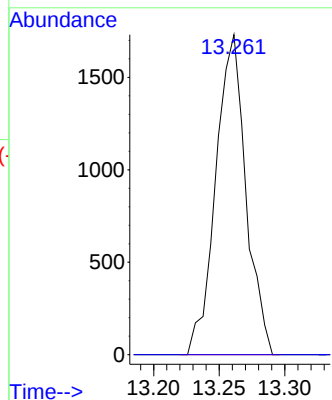
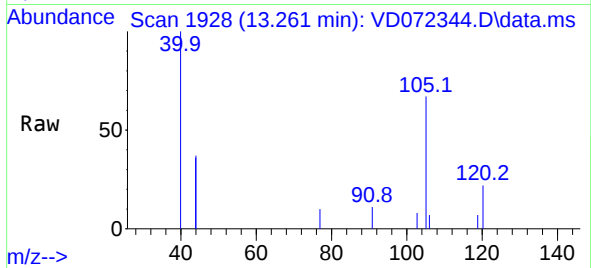




#85
 sec-Butylbenzene
 Concen: 5.621 ug/l
 RT: 13.261 min Scan# 1928
 Delta R.T. -0.129 min
 Lab File: VD072344.D
 Acq: 21 Mar 2022 17:04

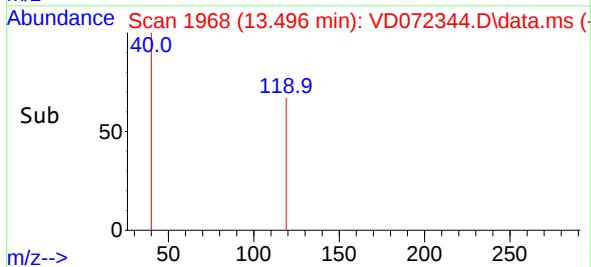
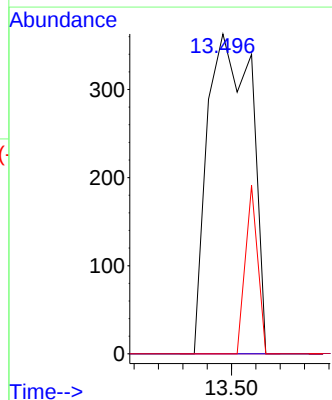
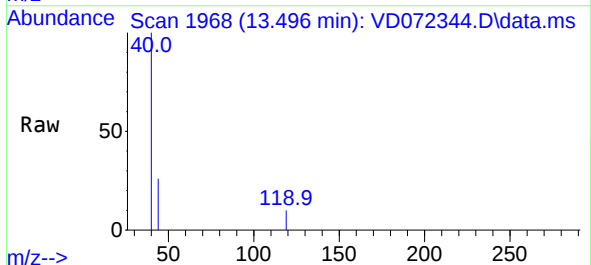
Instrument :
 MSVOA_D
 ClientSampleId :
 C-23-25-28

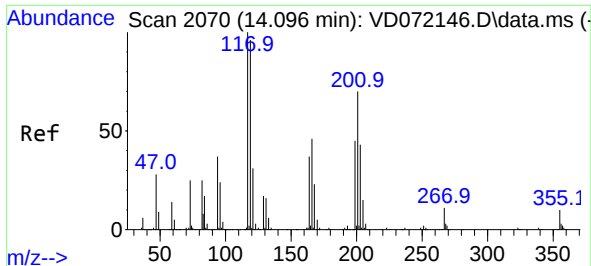
Tgt Ion:105 Resp: 2770
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#



#86
 p-Isopropyltoluene
 Concen: 1.122 ug/l
 RT: 13.496 min Scan# 1968
 Delta R.T. -0.012 min
 Lab File: VD072344.D
 Acq: 21 Mar 2022 17:04

Tgt Ion:119 Resp: 455
 Ion Ratio Lower Upper
 119 100
 134 0.0 12.9 38.6#
 91 0.0 12.1 36.3#

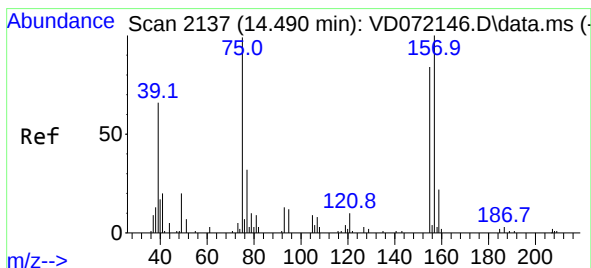
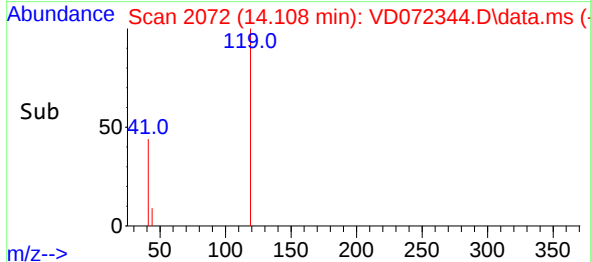
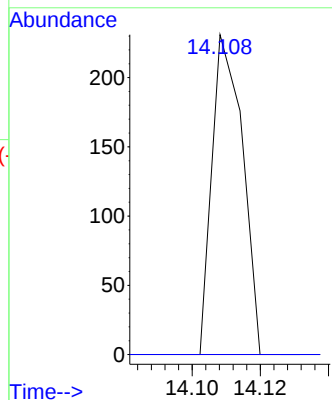
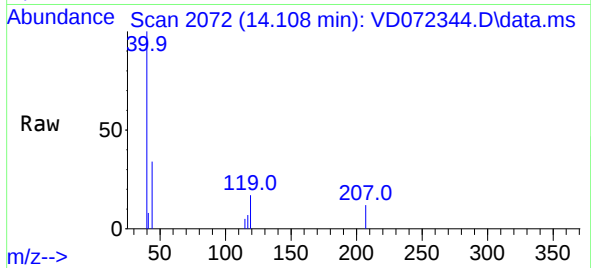




#90
Hexachloroethane
Concen: 1.812 ug/l
RT: 14.108 min Scan# 2070
Delta R.T. 0.012 min
Lab File: VD072344.D
Acq: 21 Mar 2022 17:04

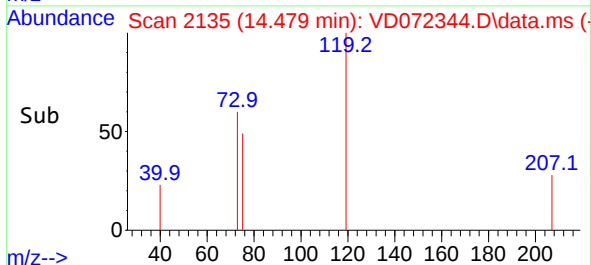
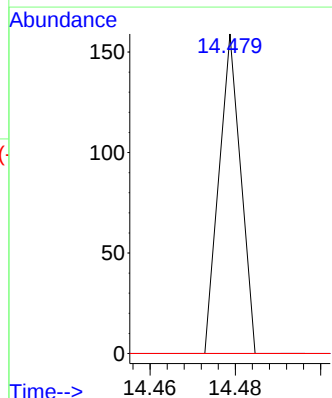
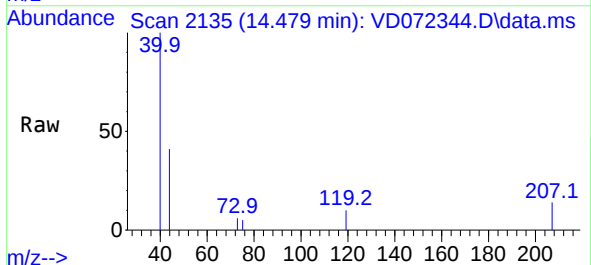
Instrument :
MSVOA_D
ClientSampleId :
C-23-25-28

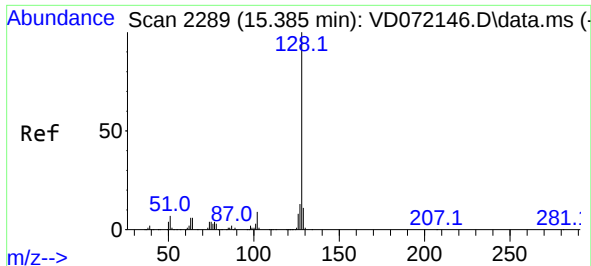
Tgt Ion:117 Resp: 144
Ion Ratio Lower Upper
117 100
201 0.0 33.4 100.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.503 ug/l
RT: 14.479 min Scan# 2135
Delta R.T. -0.012 min
Lab File: VD072344.D
Acq: 21 Mar 2022 17:04

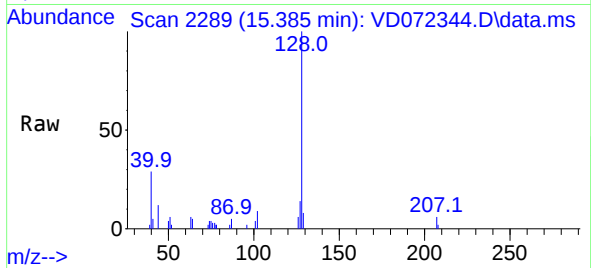
Tgt Ion: 75 Resp: 56
Ion Ratio Lower Upper
75 100
155 0.0 36.8 110.3#
157 0.0 48.4 145.0#





#95
Naphthalene
Concen: 103.489 ug/l
RT: 15.385 min Scan# 211
Delta R.T. 0.000 min
Lab File: VD072344.D
Acq: 21 Mar 2022 17:04

Instrument :
MSVOA_D
ClientSampleId :
C-23-25-28



Tgt Ion:	128	Resp:	21163
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.3	15.5
129	10.1	8.4	12.6

