

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032222\
 Data File : VD072369.D
 Acq On : 22 Mar 2022 18:26
 Operator : VA/SY
 Sample : N2053-02
 Misc : 6.59G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AUD-1286

Quant Time: Mar 23 01:14:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

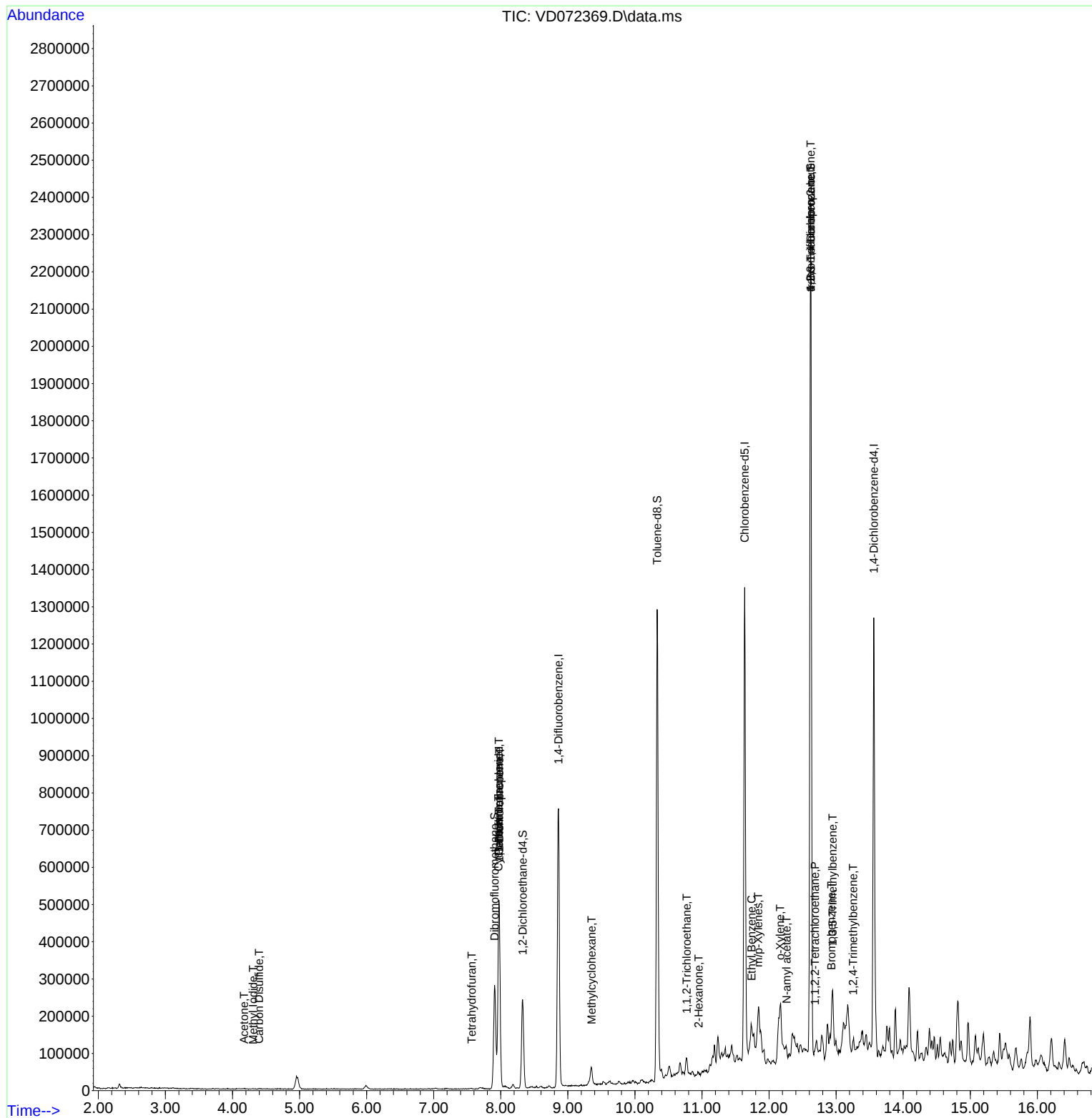
Internal Standards						
1) Pentafluorobenzene	7.973	168	371371	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	651421	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	713463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	296027	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	192648	46.548	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.100%		
35) Dibromofluoromethane	7.908	113	196124	42.784	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	85.560%		
50) Toluene-d8	10.332	98	817260	48.757	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.520%		
62) 4-Bromofluorobenzene	12.620	95	347426	53.344	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	106.680%		
Target Compounds						Qvalue
10) Methyl Iodide	4.309	142	545	2.364	ug/l #	38
16) Acetone	4.173	43	2637	2.935	ug/l #	81
17) Carbon Disulfide	4.397	76	2005	1.745	ug/l #	74
20) Methylene Chloride	4.956	84	26836	Below Cal		84
29) Tetrahydrofuran	7.567	42	1040	1.476	ug/l #	66
31) Cyclohexane	7.967	56	12059	1.865	ug/l #	16
36) 1,1-Dichloropropene	7.979	75	30415	4.730	ug/l #	52
38) Carbon Tetrachloride	7.973	117	38285	5.237	ug/l #	17
39) Methylcyclohexane	9.355	83	21118	2.918	ug/l #	93
55) 1,1,2-Trichloroethane	10.773	97	18481	4.902	ug/l #	19
59) 2-Hexanone	10.949	43	4413	2.225	ug/l #	35
67) Ethyl Benzene	11.738	91	37260	1.319	ug/l	97
68) m/p-Xylenes	11.838	106	35399	3.300	ug/l	97
69) o-Xylene	12.167	106	30261	2.949	ug/l	89
74) N-amyl acetate	12.261	43	9138	1.813	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.685	83	4745	1.131	ug/l #	26
76) 1,2,3-Trichloropropane	12.620	75	193903	59.380	ug/l #	100
77) Bromobenzene	12.932	156	17522	3.319	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.949	105	39557	1.963	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.620	75	193903	147.329	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.255	105	22134	1.115	ug/l	93

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

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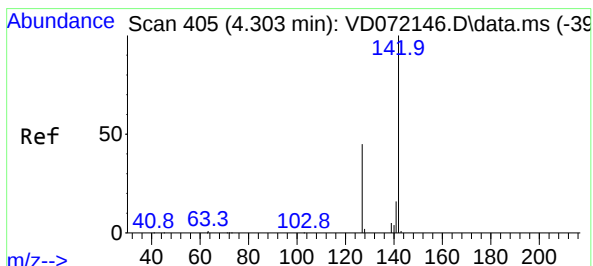
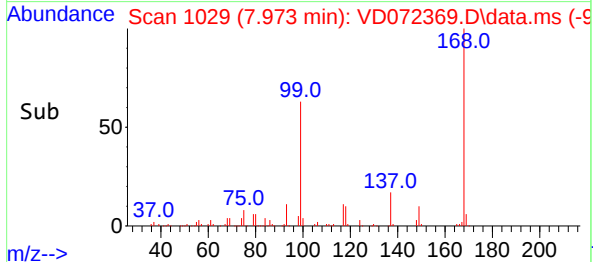
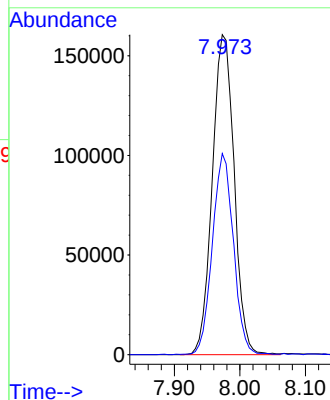
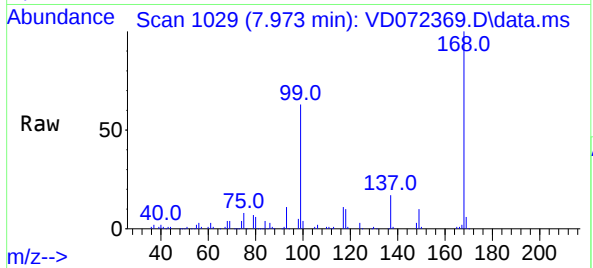




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072369.D
Acq: 22 Mar 2022 18:26

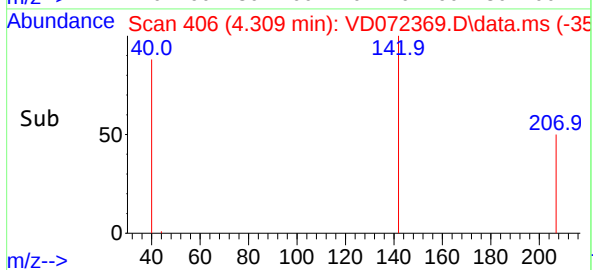
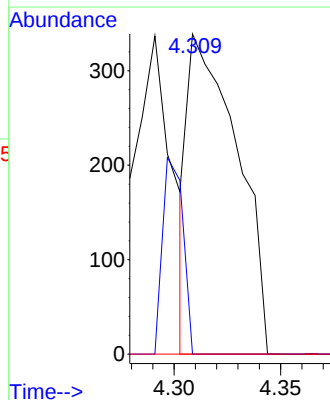
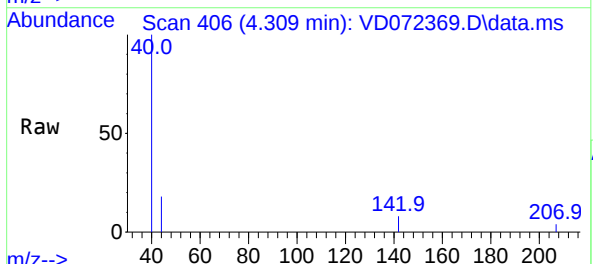
Instrument :
MSVOA_D
ClientSampleId :
AUD-1286

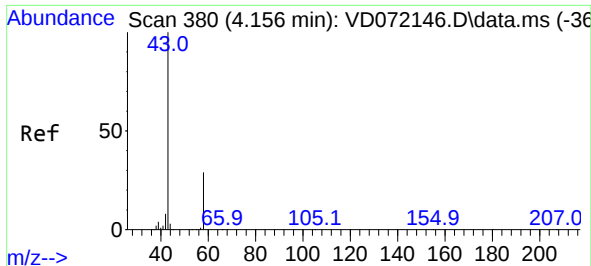
Tgt Ion:168 Resp: 371371
Ion Ratio Lower Upper
168 100
99 62.7 49.8 74.6



#10
Methyl Iodide
Concen: 2.364 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD072369.D
Acq: 22 Mar 2022 18:26

Tgt Ion:142 Resp: 545
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#

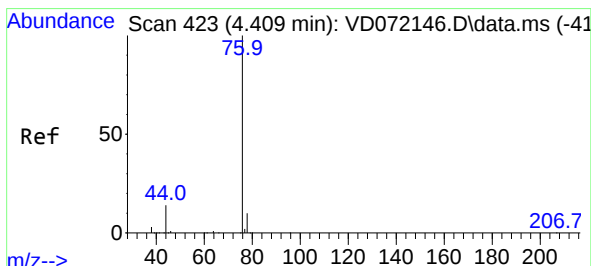
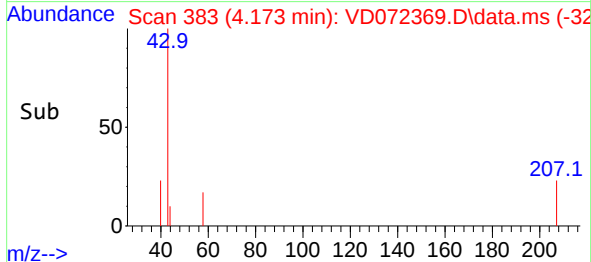
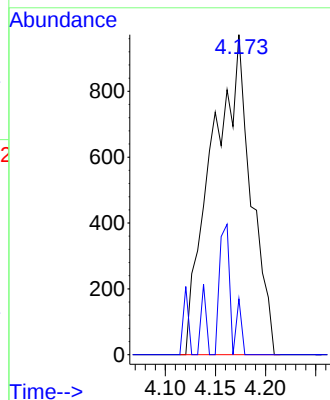
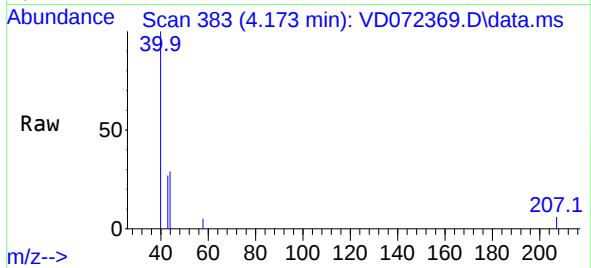




#16
Acetone
Concen: 2.935 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.018 min
Lab File: VD072369.D
Acq: 22 Mar 2022 18:26

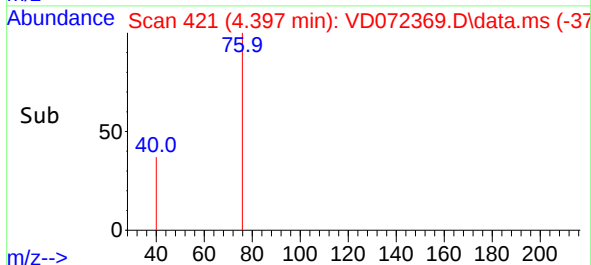
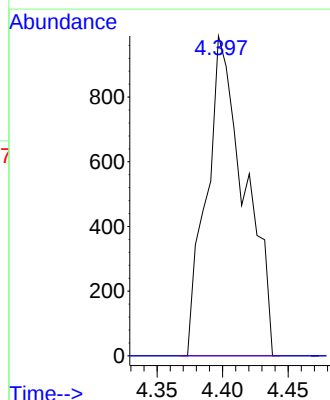
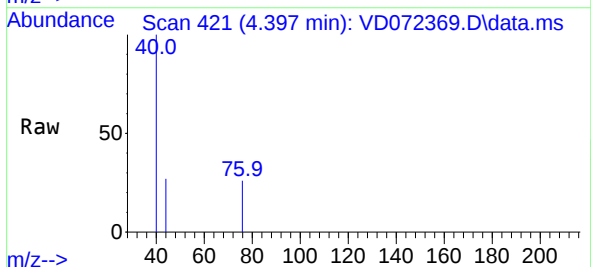
Instrument :
MSVOA_D
ClientSampleId :
AUD-1286

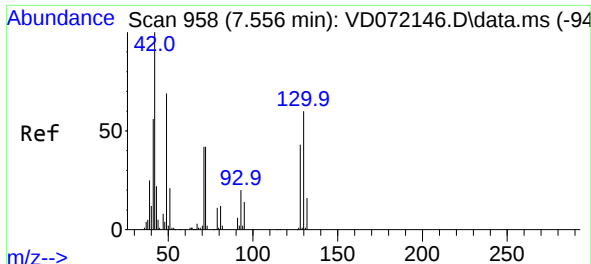
Tgt Ion: 43 Resp: 2637
Ion Ratio Lower Upper
43 100
58 17.5 22.1 33.1#



#17
Carbon Disulfide
Concen: 1.745 ug/l
RT: 4.397 min Scan# 421
Delta R.T. -0.012 min
Lab File: VD072369.D
Acq: 22 Mar 2022 18:26

Tgt Ion: 76 Resp: 2005
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#





#29

Tetrahydrofuran

Concen: 1.476 ug/l

RT: 7.567 min Scan# 9

Delta R.T. 0.012 min

Lab File: VD072369.D

Acq: 22 Mar 2022 18:26

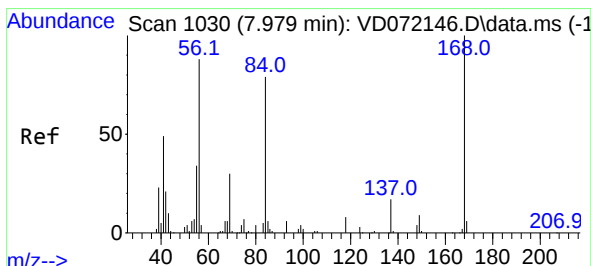
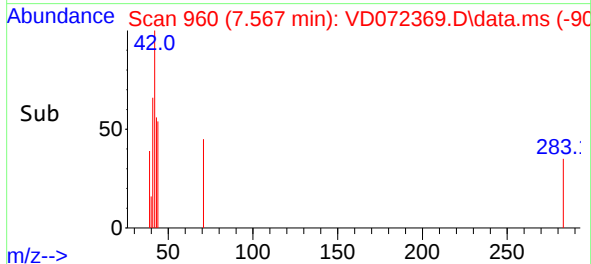
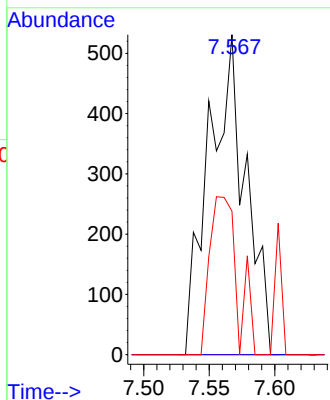
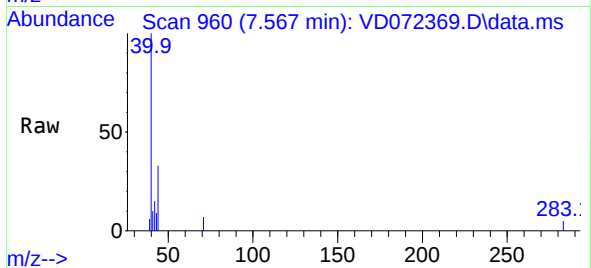
Instrument :

MSVOA_D

ClientSampleId :

AUD-1286

Tgt Ion:	42	Resp:	1040
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.7	46.1#
71	36.9	28.6	43.0



#31

Cyclohexane

Concen: 1.865 ug/l

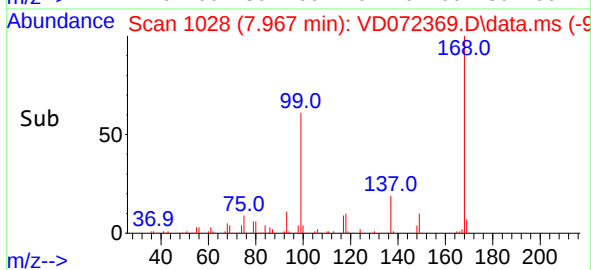
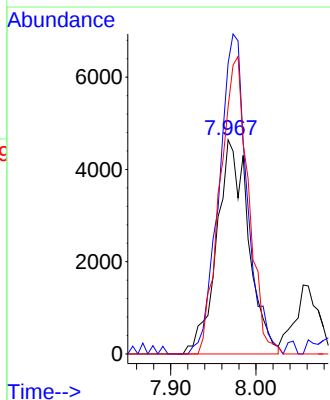
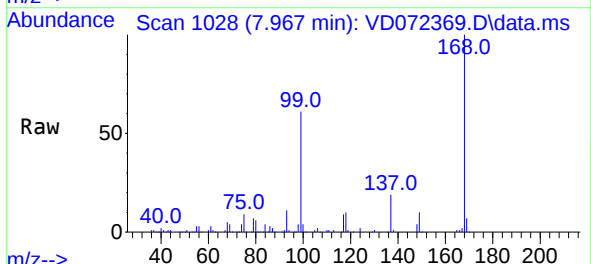
RT: 7.967 min Scan# 1028

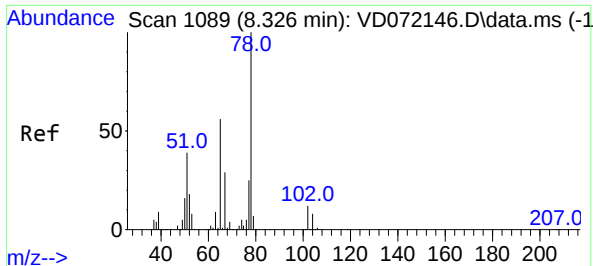
Delta R.T. -0.012 min

Lab File: VD072369.D

Acq: 22 Mar 2022 18:26

Tgt Ion:	56	Resp:	12059
Ion	Ratio	Lower	Upper
56	100		
69	135.9	25.4	38.2#
84	115.5	63.0	94.4#





#33

1,2-Dichloroethane-d4

Concen: 46.548 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072369.D

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Instrument :

MSVOA_D

ClientSampleId :

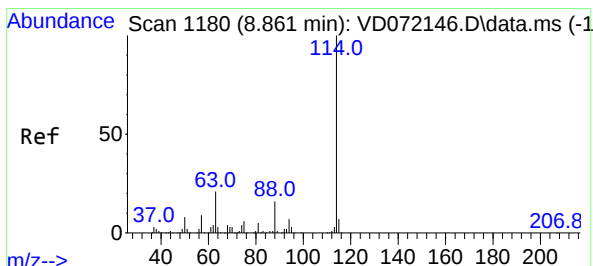
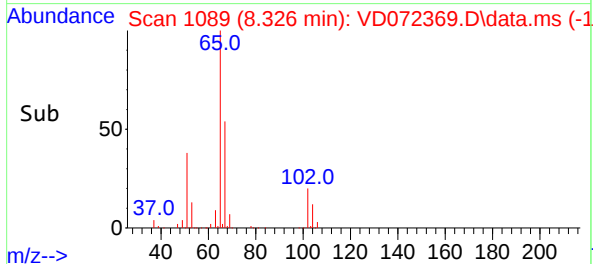
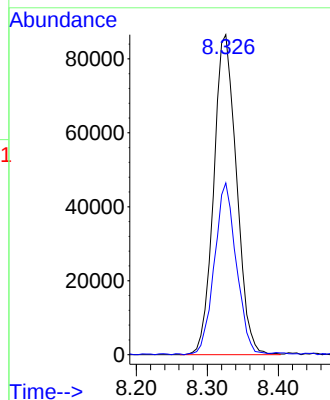
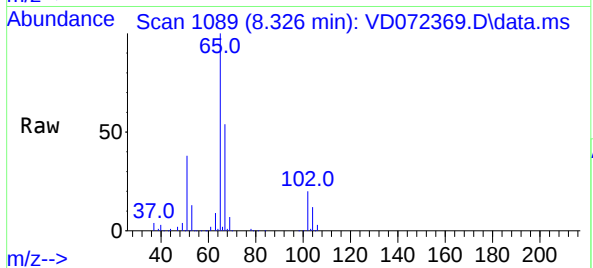
AUD-1286

Tgt Ion: 65 Resp: 192648

Ion Ratio Lower Upper

65 100

67 51.6 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: VD072369.D

Acq: 22 Mar 2022 18:26

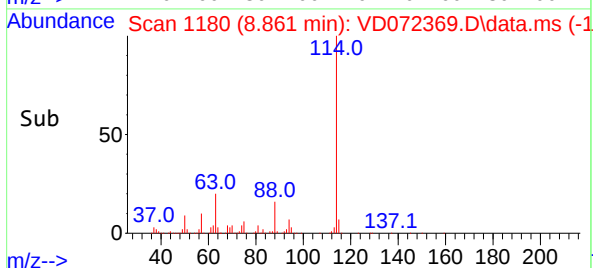
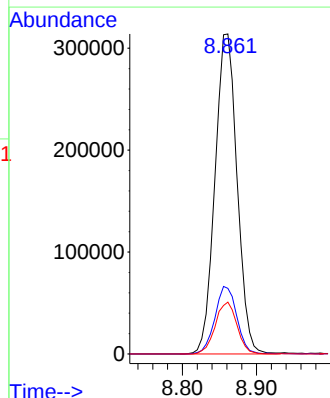
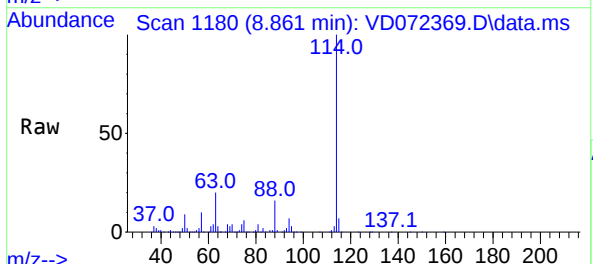
Tgt Ion: 114 Resp: 651421

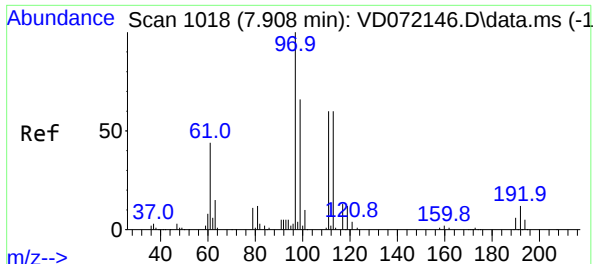
Ion Ratio Lower Upper

114 100

63 20.5 0.0 46.6

88 16.2 0.0 33.2

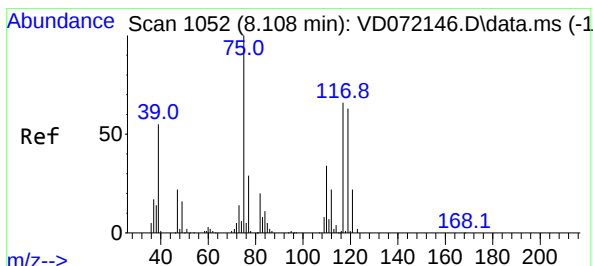
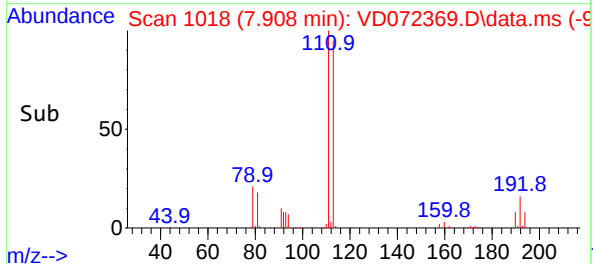
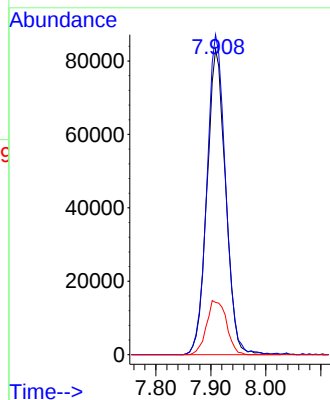
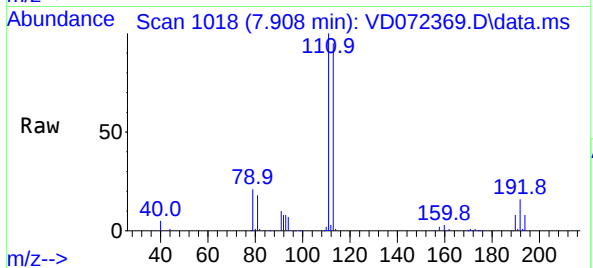




#35
Dibromofluoromethane
Concen: 42.784 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.000 min
Lab File: VD072369.D
Acq: 22 Mar 2022 18:26

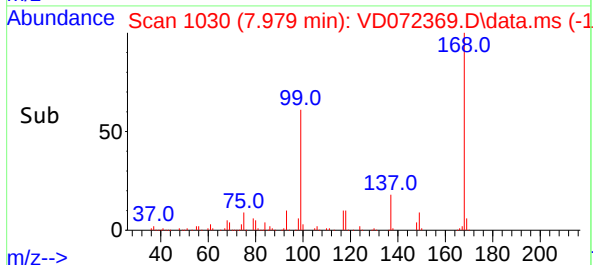
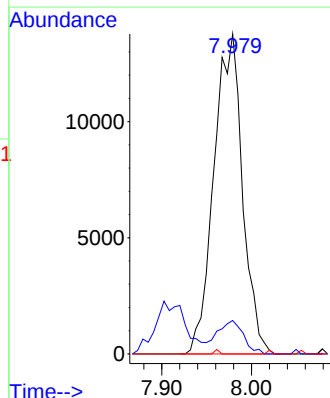
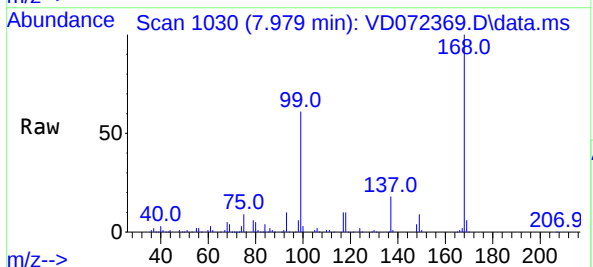
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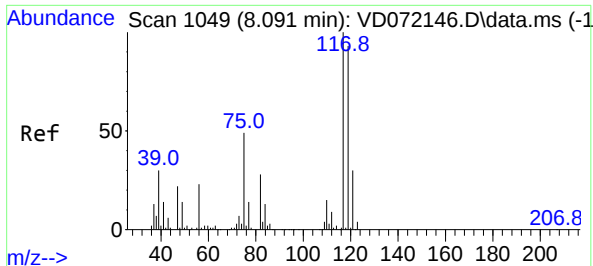
Tgt Ion:113 Resp: 196124
Ion Ratio Lower Upper
113 100
111 104.5 83.8 125.6
192 18.9 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.730 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD072369.D
Acq: 22 Mar 2022 18:26

Tgt Ion: 75 Resp: 30415
Ion Ratio Lower Upper
75 100
110 9.5 16.4 49.1#
77 0.2 24.2 36.2#

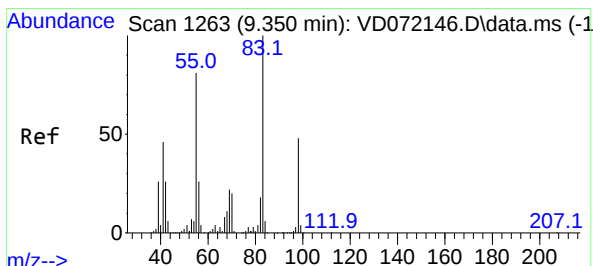
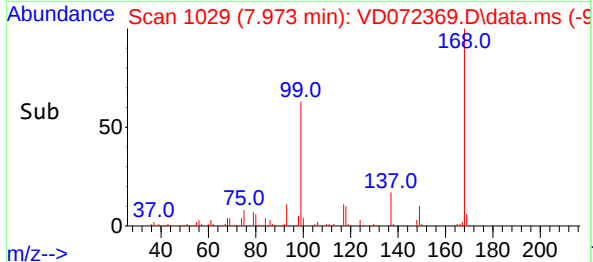
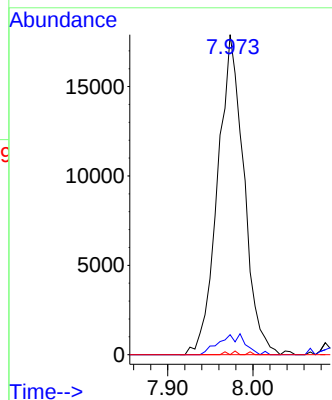
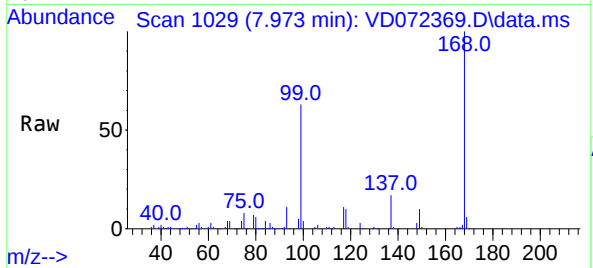




#38
Carbon Tetrachloride
Concen: 5.237 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD072369.D
Acq: 22 Mar 2022 18:26

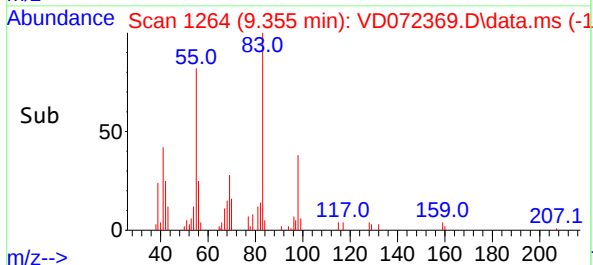
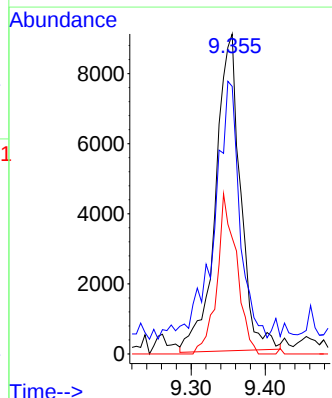
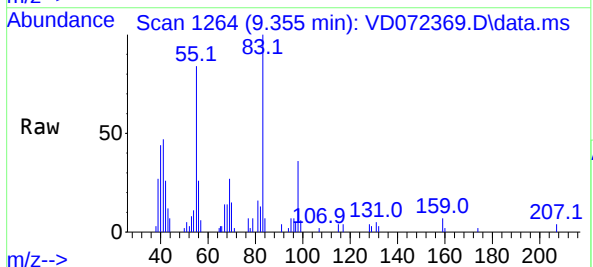
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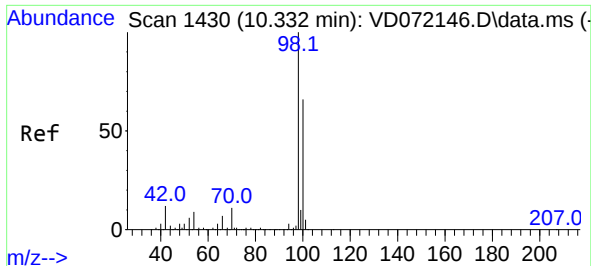
Tgt Ion:117 Resp: 38285
Ion Ratio Lower Upper
117 100
119 6.3 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 2.918 ug/l
RT: 9.355 min Scan# 1264
Delta R.T. 0.006 min
Lab File: VD072369.D
Acq: 22 Mar 2022 18:26

Tgt Ion: 83 Resp: 21118
Ion Ratio Lower Upper
83 100
55 79.9 63.2 94.8
98 37.1 38.2 57.4#

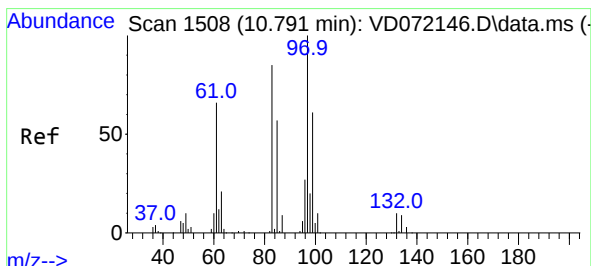
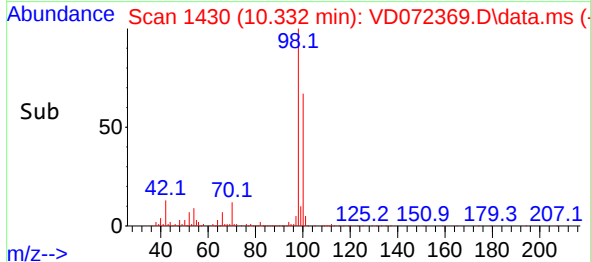
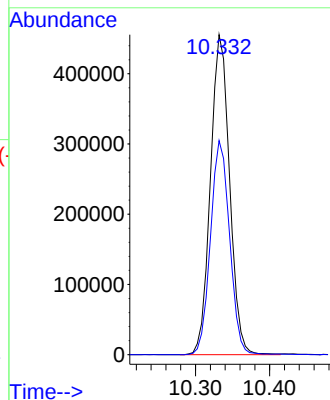
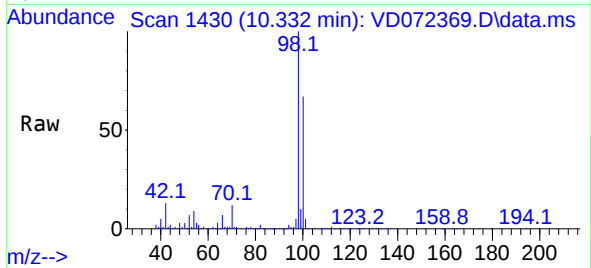




#50
Toluene-d8
Concen: 48.757 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072369.D
Acq: 22 Mar 2022 18:26

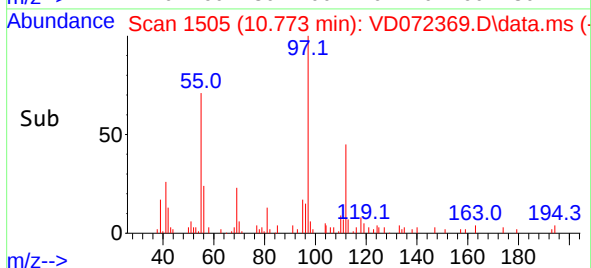
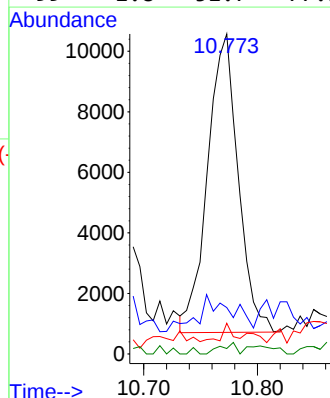
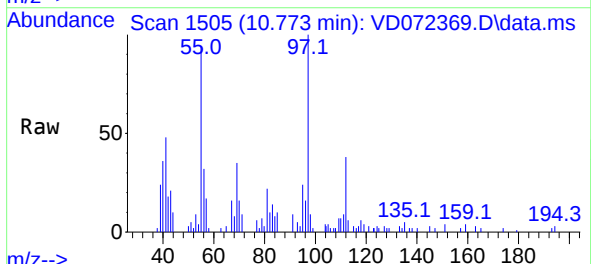
Instrument :
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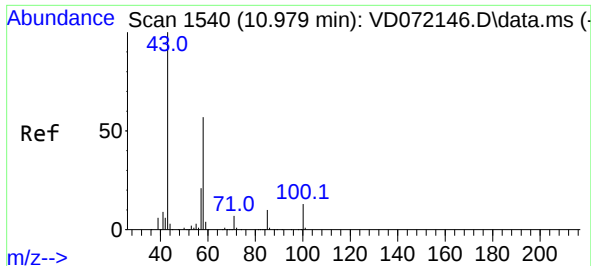
Tgt Ion: 98 Resp: 817260
Ion Ratio Lower Upper
98 100
100 66.9 52.4 78.6



#55
1,1,2-Trichloroethane
Concen: 4.902 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.018 min
Lab File: VD072369.D
Acq: 22 Mar 2022 18:26

Tgt Ion: 97 Resp: 18481
Ion Ratio Lower Upper
97 100
83 5.4 69.0 103.4#
85 2.6 42.6 63.8#
99 1.8 51.7 77.5#

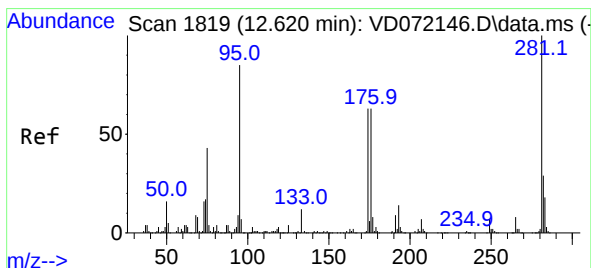
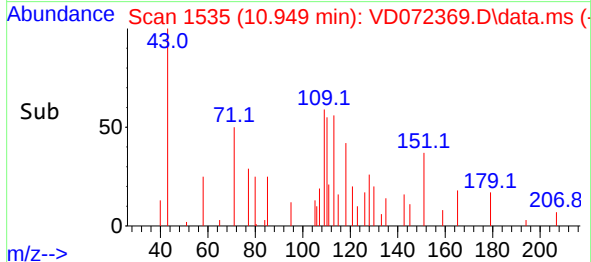
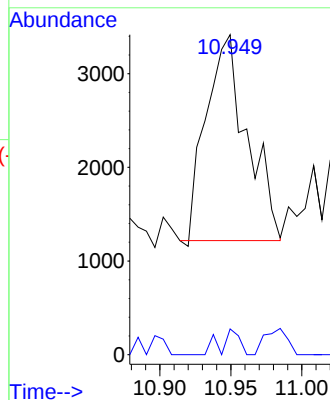
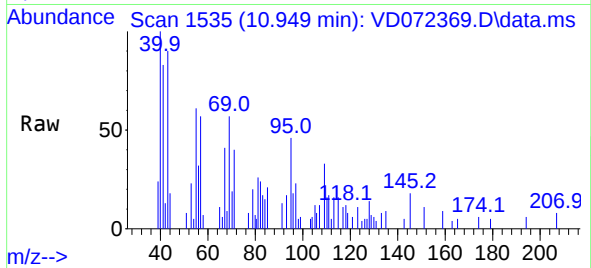




#59
2-Hexanone
Concen: 2.225 ug/l
RT: 10.949 min Scan# 11
Delta R.T. -0.029 min
Lab File: VD072369.D
Acq: 22 Mar 2022 18:26

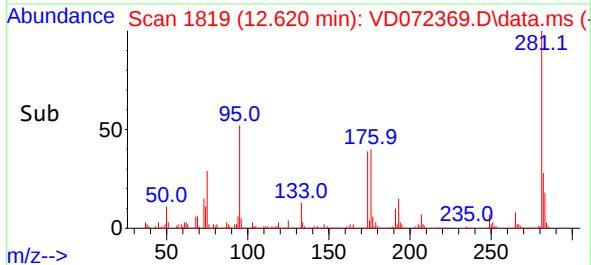
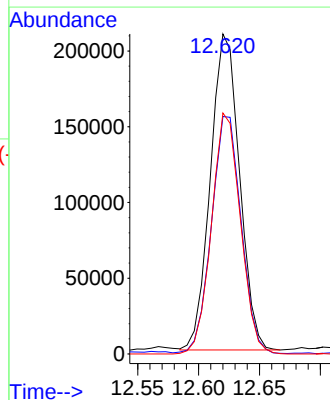
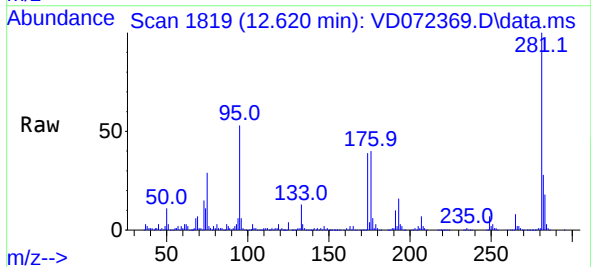
Instrument :
MSVOA_D
ClientSampleId :
AUD-1286

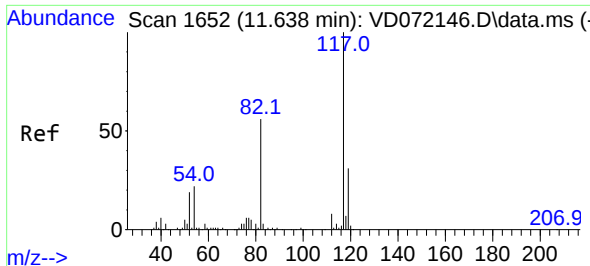
Tgt Ion: 43 Resp: 4413
Ion Ratio Lower Upper
43 100
58 5.5 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 53.344 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072369.D
Acq: 22 Mar 2022 18:26

Tgt Ion: 95 Resp: 347426
Ion Ratio Lower Upper
95 100
174 76.3 0.0 152.8
176 75.6 0.0 145.4

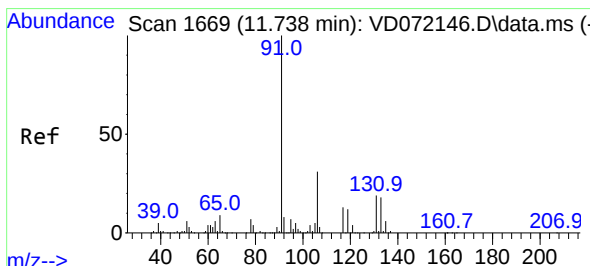
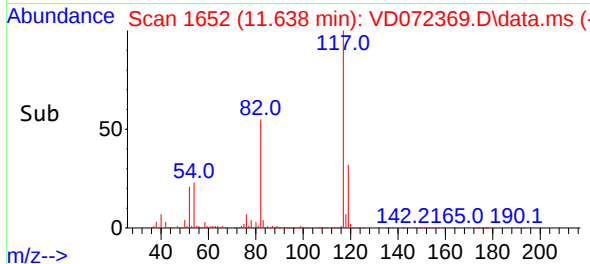
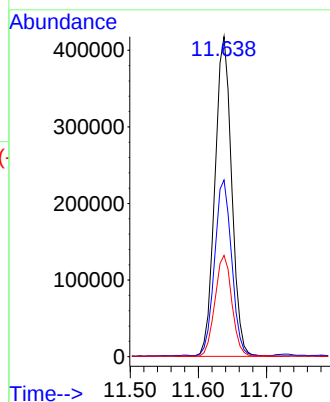
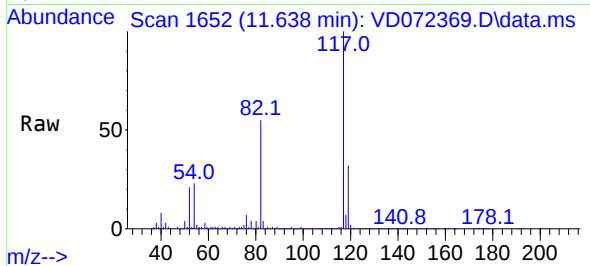




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072369.D
Acq: 22 Mar 2022 18:26

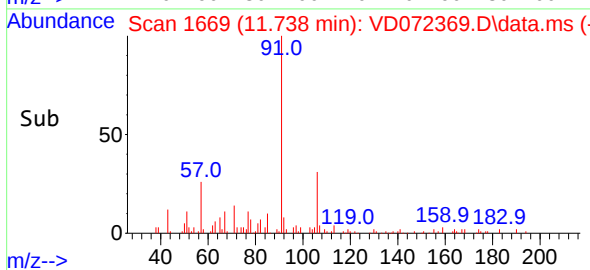
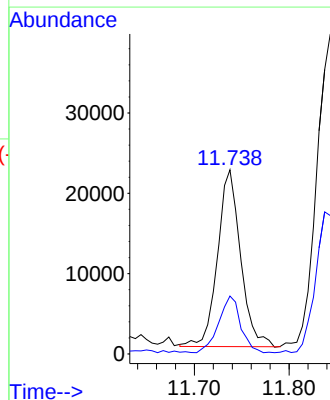
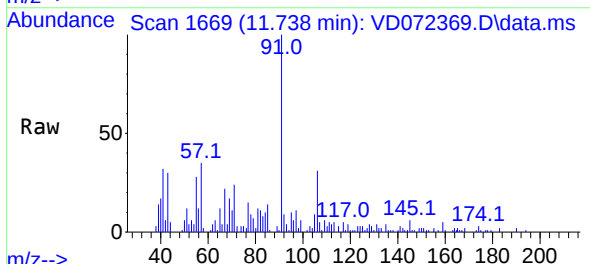
Instrument :
MSVOA_D
ClientSampleId :
AUD-1286

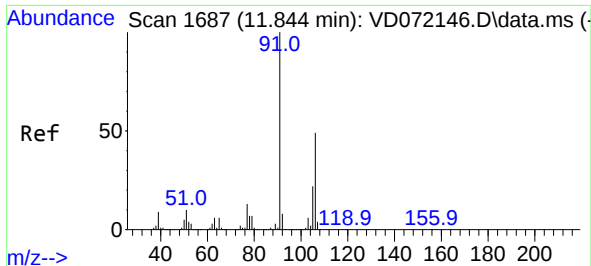
Tgt Ion:117 Resp: 713463
Ion Ratio Lower Upper
117 100
82 54.9 45.3 67.9
119 31.6 26.6 40.0



#67
Ethyl Benzene
Concen: 1.319 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD072369.D
Acq: 22 Mar 2022 18:26

Tgt Ion: 91 Resp: 37260
Ion Ratio Lower Upper
91 100
106 31.9 24.2 36.4

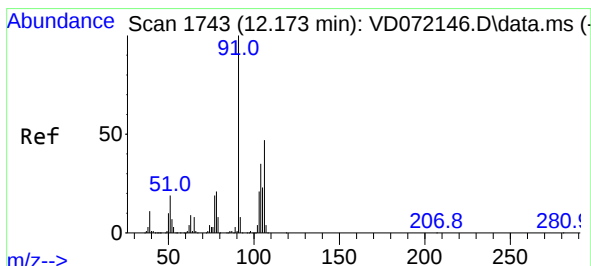
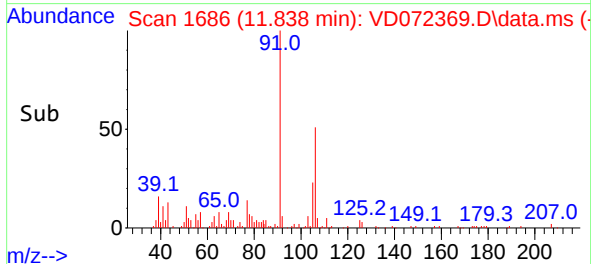
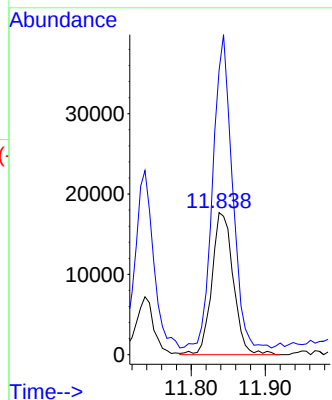
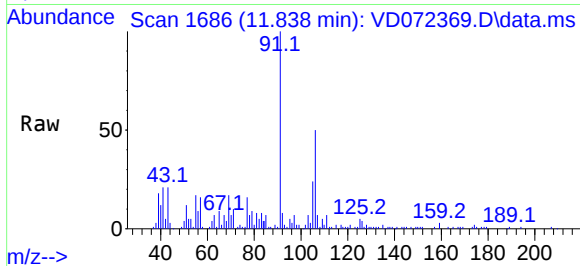




#68
m/p-Xylenes
Concen: 3.300 ug/l
RT: 11.838 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD072369.D
Acq: 22 Mar 2022 18:26

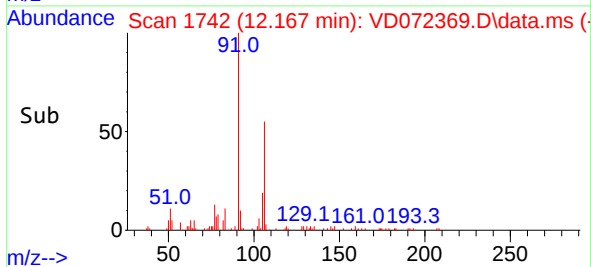
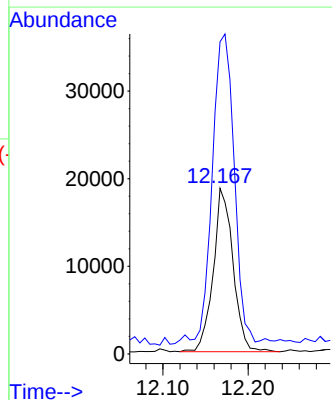
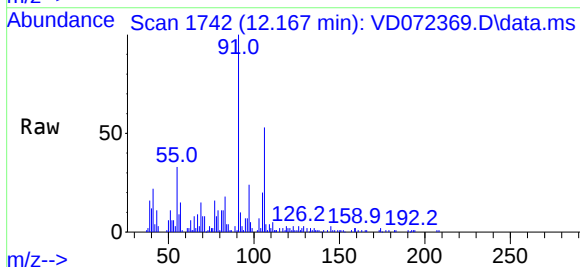
Instrument :
MSVOA_D
ClientSampleId :
AUD-1286

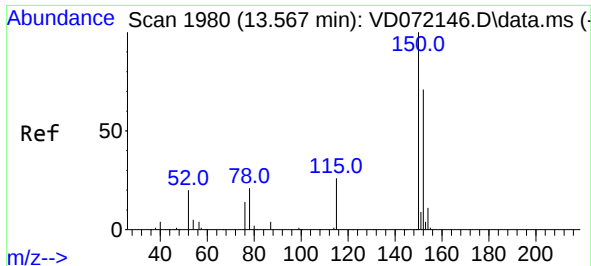
Tgt Ion:106 Resp: 35399
Ion Ratio Lower Upper
106 100
91 200.5 163.7 245.5



#69
o-Xylene
Concen: 2.949 ug/l
RT: 12.167 min Scan# 1742
Delta R.T. -0.006 min
Lab File: VD072369.D
Acq: 22 Mar 2022 18:26

Tgt Ion:106 Resp: 30261
Ion Ratio Lower Upper
106 100
91 202.5 110.4 331.2

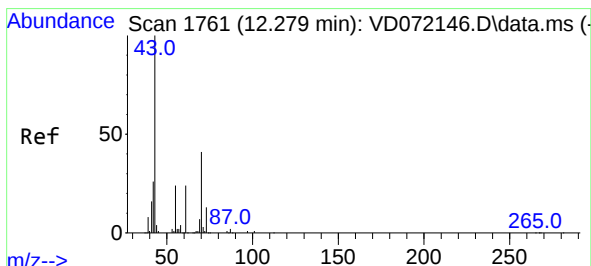
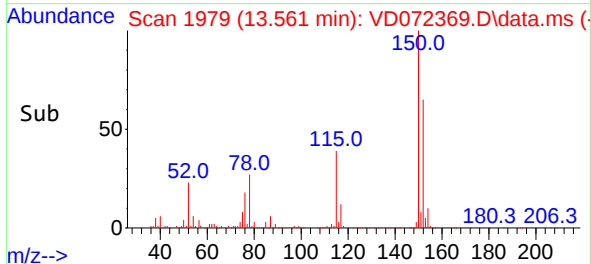
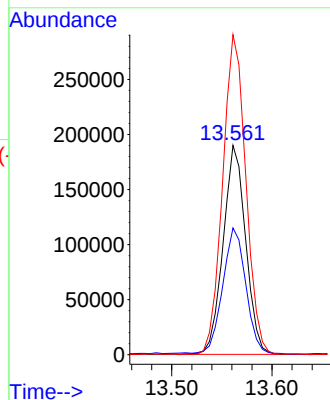
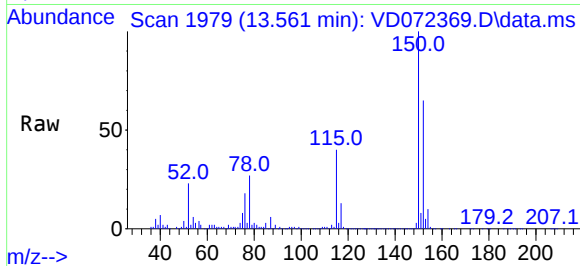




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD072369.D
Acq: 22 Mar 2022 18:26

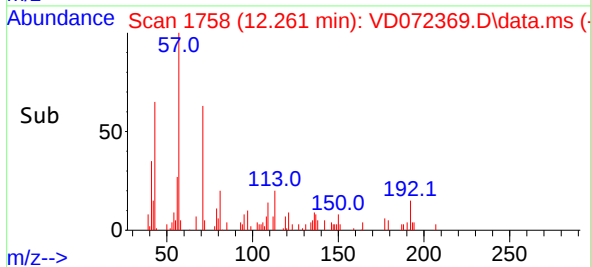
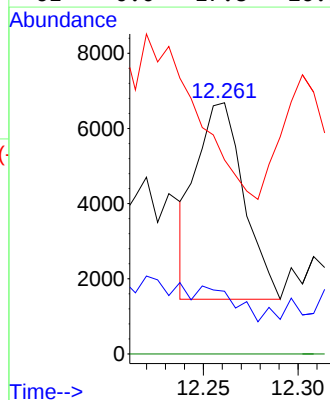
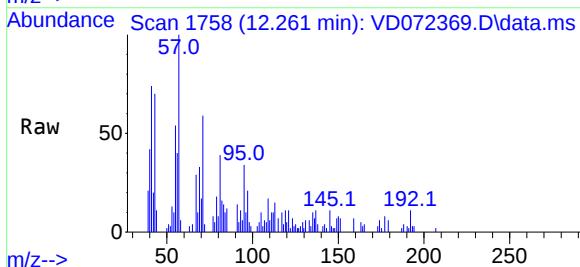
Instrument :
MSVOA_D
ClientSampleId :
AUD-1286

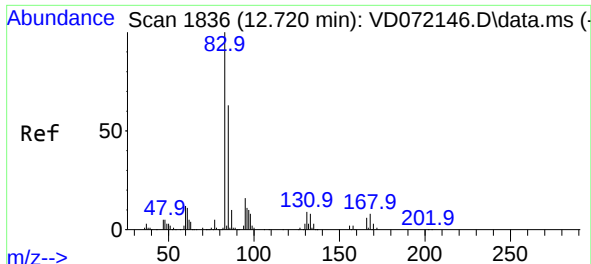
Tgt Ion:152 Resp: 296027
Ion Ratio Lower Upper
152 100
115 62.8 31.3 93.8
150 157.7 0.0 348.6



#74
N-ethyl acetate
Concen: 1.813 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD072369.D
Acq: 22 Mar 2022 18:26

Tgt Ion: 43 Resp: 9138
Ion Ratio Lower Upper
43 100
70 0.0 31.3 46.9#
55 0.0 20.0 30.0#
61 0.0 17.8 26.8#

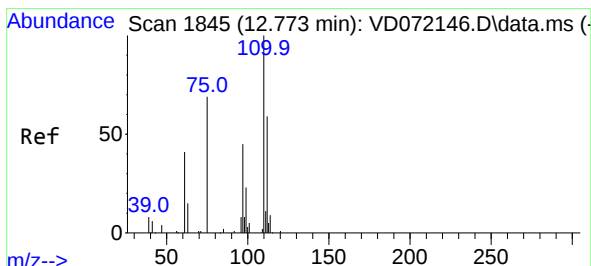
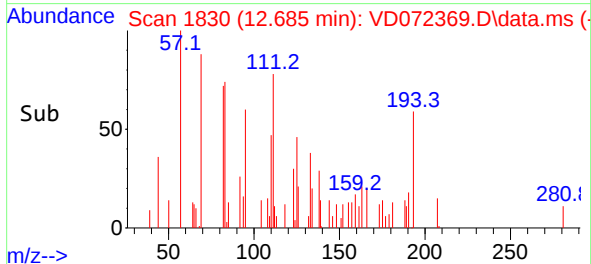
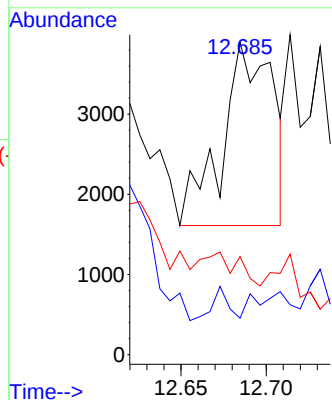
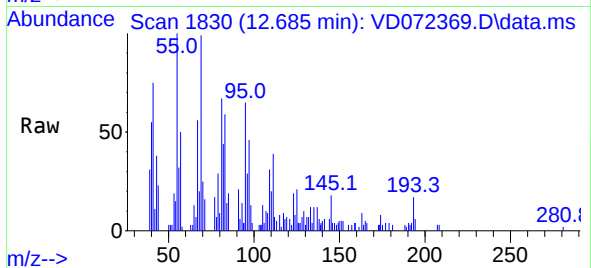




#75
1,1,2,2-Tetrachloroethane
Concen: 1.131 ug/l
RT: 12.685 min Scan# 1819
Delta R.T. -0.035 min
Lab File: VD072369.D
Acq: 22 Mar 2022 18:26

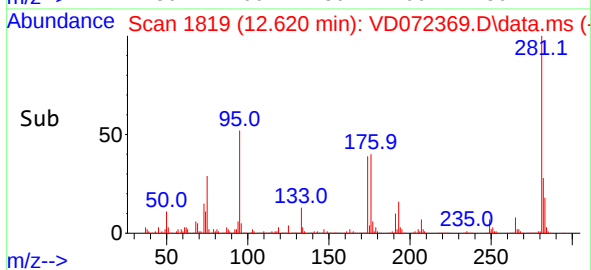
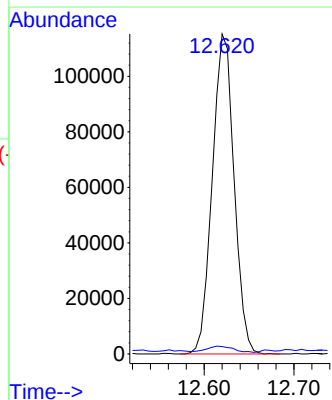
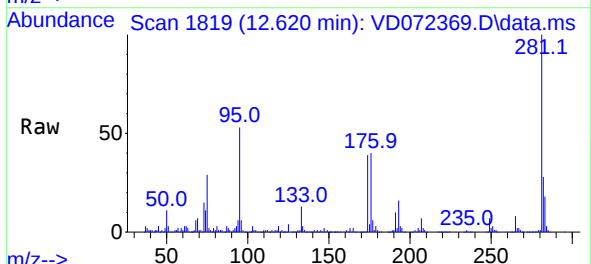
Instrument :
MSVOA_D
ClientSampleId :
AUD-1286

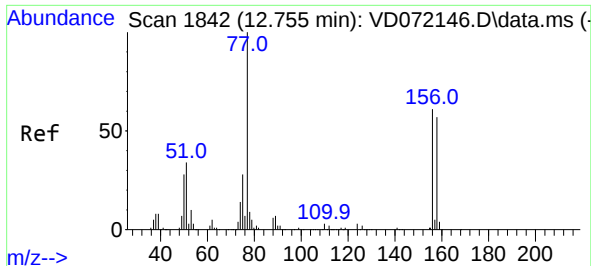
Tgt Ion: 83 Resp: 4745
Ion Ratio Lower Upper
83 100
131 4.4 5.0 14.9#
85 0.0 32.6 98.0#



#76
1,2,3-Trichloropropane
Concen: 59.380 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072369.D
Acq: 22 Mar 2022 18:26

Tgt Ion: 75 Resp: 193903
Ion Ratio Lower Upper
75 100
77 2.3 0.0 0.0#

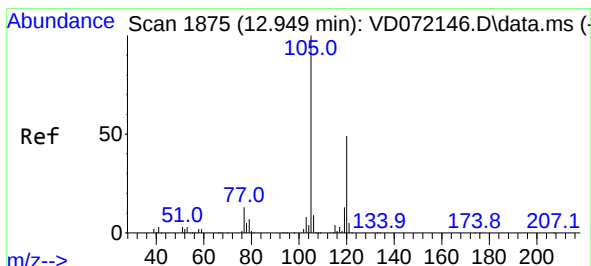
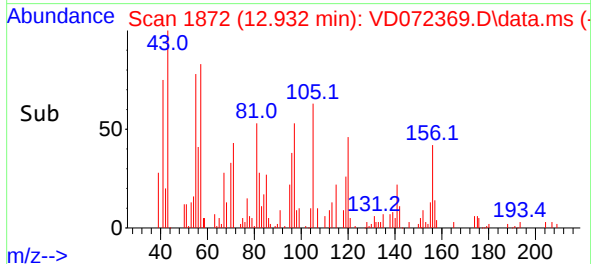
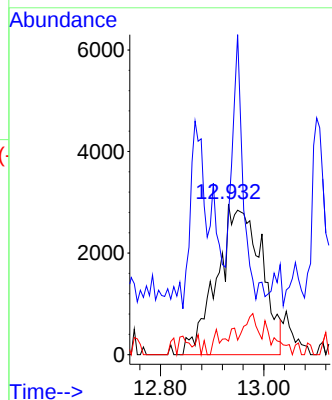
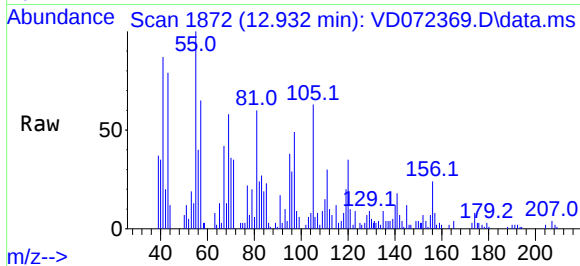




#77
Bromobenzene
Concen: 3.319 ug/l
RT: 12.932 min Scan# 1872
Delta R.T. 0.176 min
Lab File: VD072369.D
Acq: 22 Mar 2022 18:26

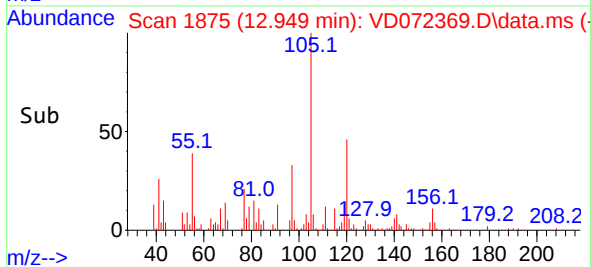
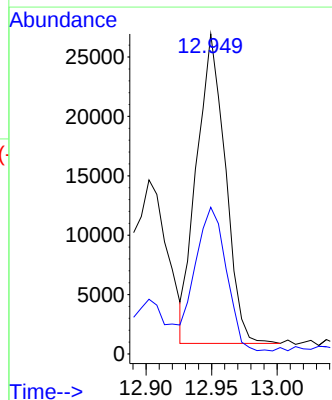
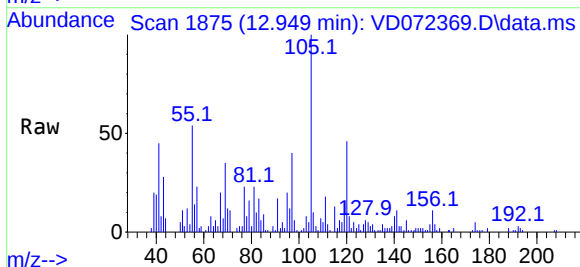
Instrument :
MSVOA_D
ClientSampleId :
AUD-1286

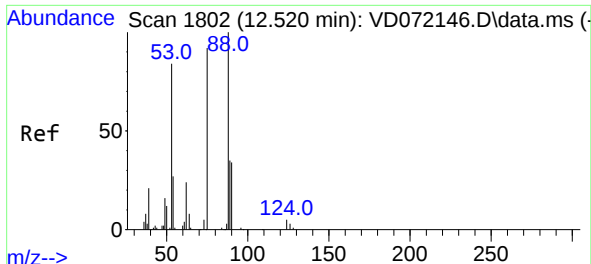
Tgt Ion:156 Resp: 17522
Ion Ratio Lower Upper
156 100
77 42.3 102.8 308.3#
158 1.7 48.7 146.1#



#80
1,3,5-Trimethylbenzene
Concen: 1.963 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VD072369.D
Acq: 22 Mar 2022 18:26

Tgt Ion:105 Resp: 39557
Ion Ratio Lower Upper
105 100
120 50.2 24.3 72.8

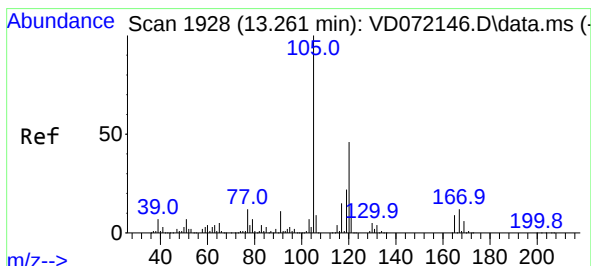
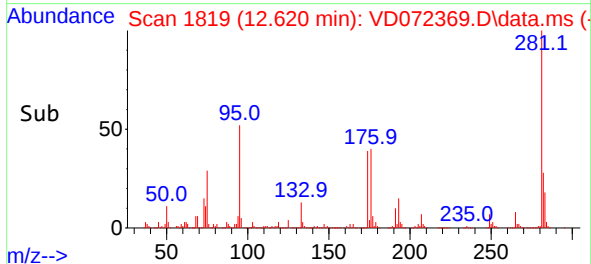
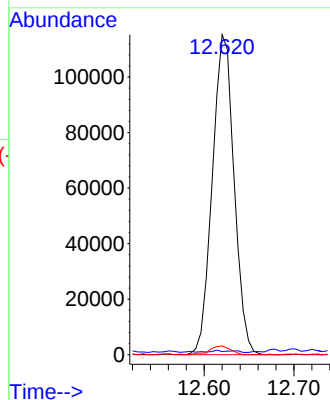
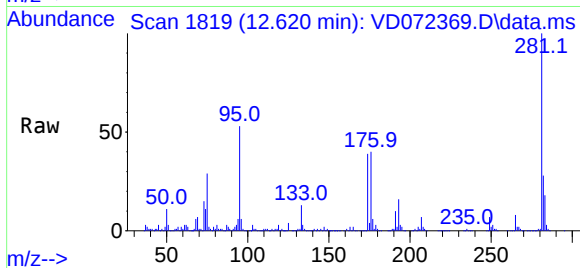




#81
trans-1,4-Dichloro-2-butene
Concen: 147.329 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072369.D
Acq: 22 Mar 2022 18:26

Instrument :
MSVOA_D
ClientSampleId :
AUD-1286

Tgt Ion: 75 Resp: 193903
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 2.6 33.9 50.9#



#84
1,2,4-Trimethylbenzene
Concen: 1.115 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD072369.D
Acq: 22 Mar 2022 18:26

Tgt Ion: 105 Resp: 22134
Ion Ratio Lower Upper
105 100
120 49.3 22.3 66.8

