

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072122\
 Data File : VX030141.D
 Acq On : 20 Jul 2022 18:44
 Operator : JC/MD
 Sample : N3760-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 AUD-1822

Quant Time: Jul 21 03:32:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X071222W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 13 09:05:23 2022
 Response via : Initial Calibration

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

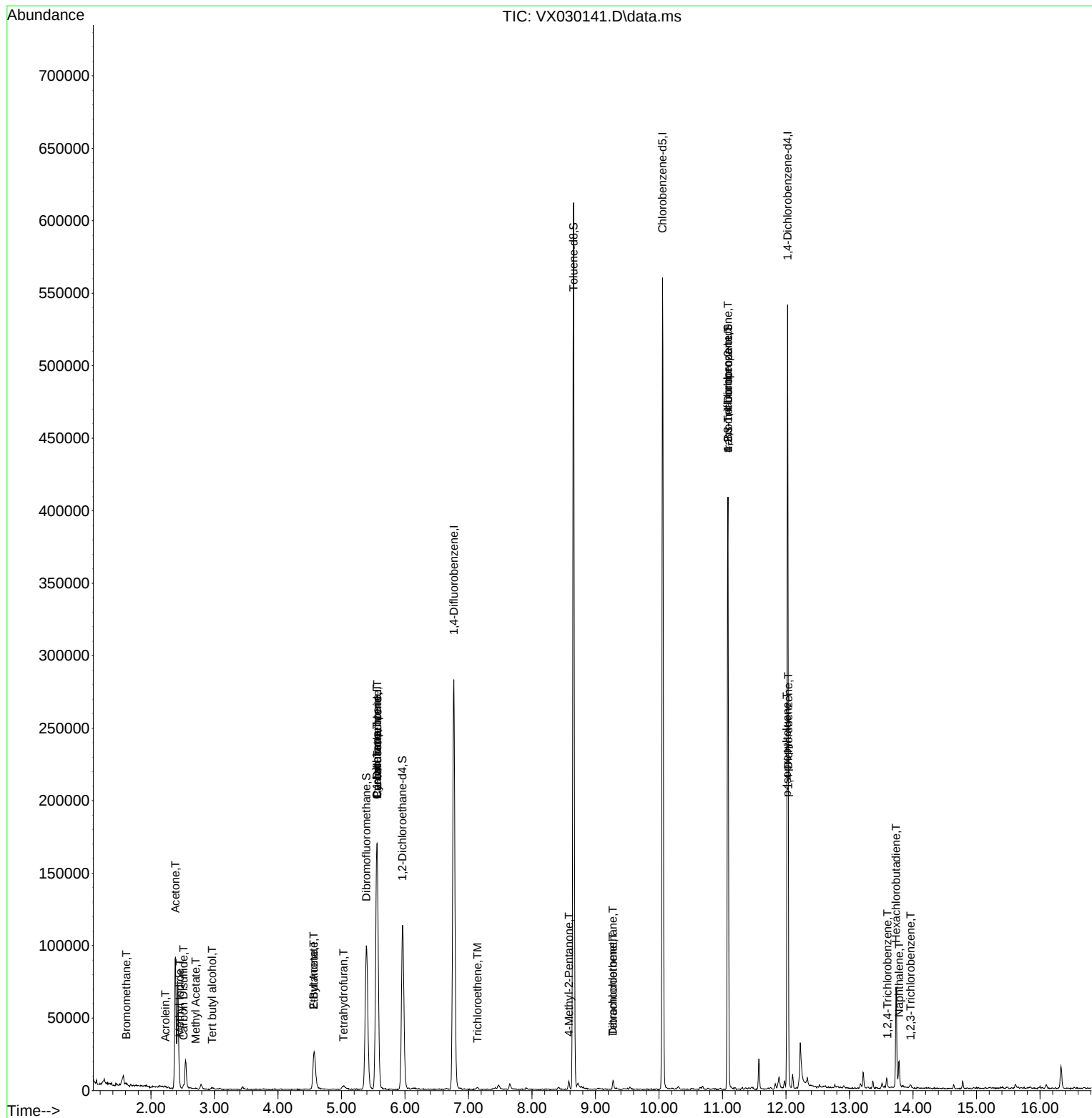
Internal Standards						
1) Pentafluorobenzene	5.562	168	163710	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	295794	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	255002	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	106203	53.297	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	106.600%
35) Dibromofluoromethane	5.391	113	90604	47.948	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.900%
50) Toluene-d8	8.653	98	346486	48.754	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.500%
62) 4-Bromofluorobenzene	11.085	95	110654	44.867	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.740%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.160	85	50	Below Cal	#	42
5) Bromomethane	1.612	94	424	0.527	ug/l #	53
10) Methyl Iodide	2.453	142	608	2.761	ug/l #	87
11) Tert butyl alcohol	2.965	59	1385	2.693	ug/l #	74
13) Acrolein	2.227	56	64	0.625	ug/l #	1
16) Acetone	2.386	43	94297	100.428	ug/l	98
17) Carbon Disulfide	2.514	76	2808	0.227	ug/l #	94
18) Methyl Acetate	2.703	43	743	0.260	ug/l #	74
20) Methylene Chloride	2.788	84	1308	Below Cal	#	56
25) 2-Butanone	4.562	43	48260	30.173	ug/l	90
29) Tetrahydrofuran	5.032	42	406	0.374	ug/l #	37
31) Cyclohexane	5.556	56	3934	1.362	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	13672	5.601	ug/l #	43
37) Ethyl Acetate	4.562	43	48260	15.387	ug/l #	67
38) Carbon Tetrachloride	5.562	117	16104	7.075	ug/l #	16
44) Trichloroethene	7.141	130	508	0.226	ug/l	85
51) 4-Methyl-2-Pentanone	8.580	43	3593	1.151	ug/l	96
60) Dibromochloromethane	9.275	129	1098	0.560	ug/l #	11
64) Tetrachloroethene	9.275	164	1231	0.601	ug/l #	69
76) 1,2,3-Trichloropropane	11.085	75	54976	22.432	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	54976	64.740	ug/l #	13
86) p-Isopropyltoluene	12.012	119	1776	0.279	ug/l #	73
88) 1,4-Dichlorobenzene	12.037	146	771	0.219	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.597	180	467	0.218	ug/l #	76
94) Hexachlorobutadiene	13.731	225	214	0.250	ug/l #	41
95) Naphthalene	13.780	128	3948	0.465	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	534	0.245	ug/l	79

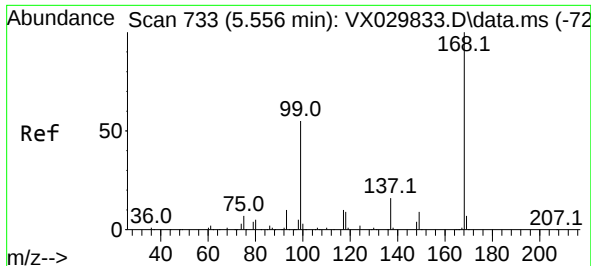
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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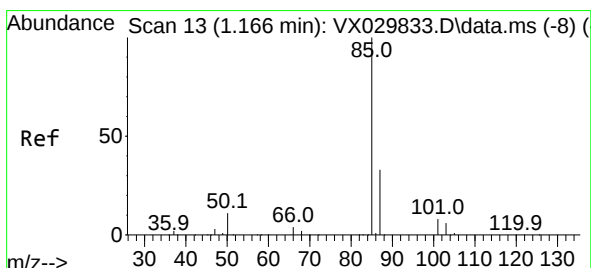
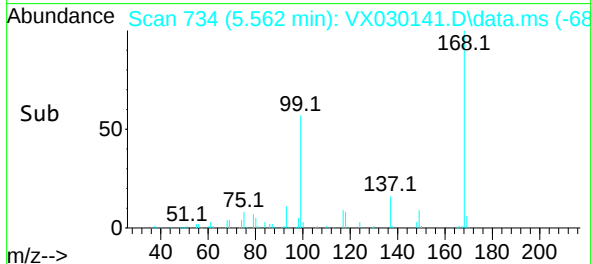
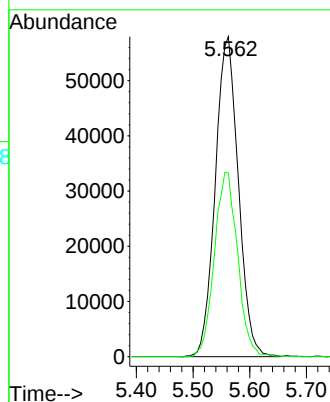
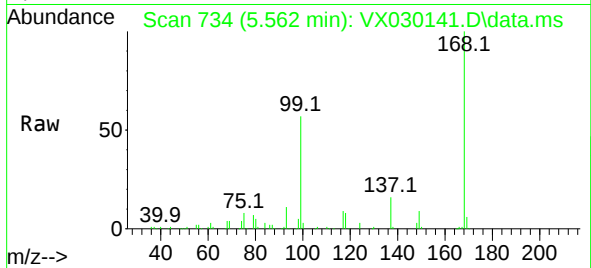




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030141.D
Acq: 20 Jul 2022 18:44

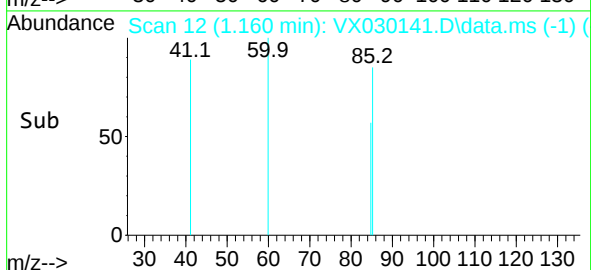
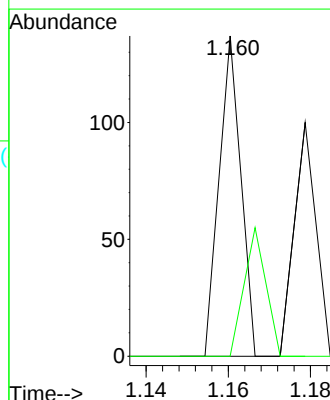
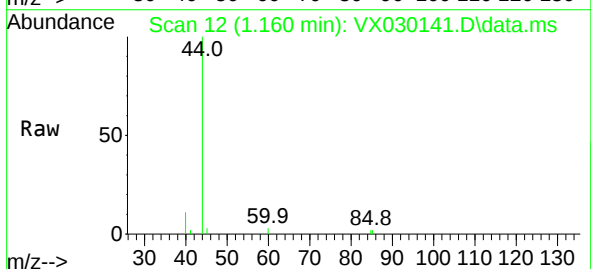
Instrument :
MSVOA_X
ClientSampleId :
AUD-1822

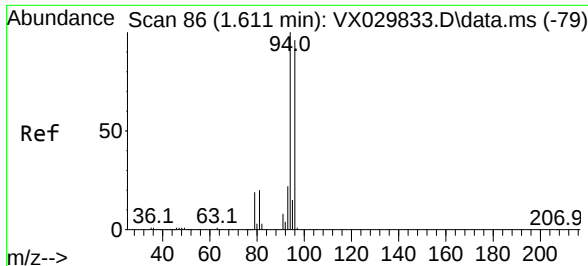
Tgt Ion:168 Resp: 163710
Ion Ratio Lower Upper
168 100
99 57.5 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.160 min Scan# 12
Delta R.T. -0.006 min
Lab File: VX030141.D
Acq: 20 Jul 2022 18:44

Tgt Ion: 85 Resp: 50
Ion Ratio Lower Upper
85 100
87 0.0 16.5 49.5#

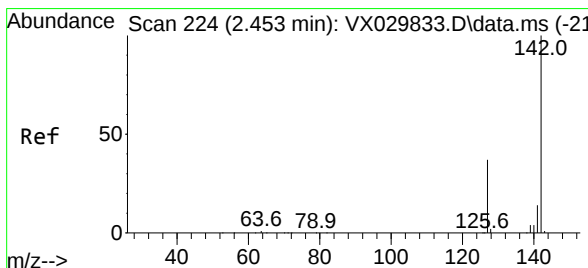
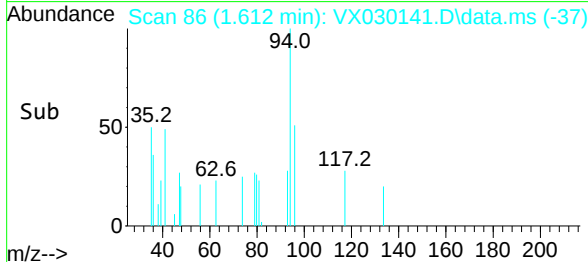
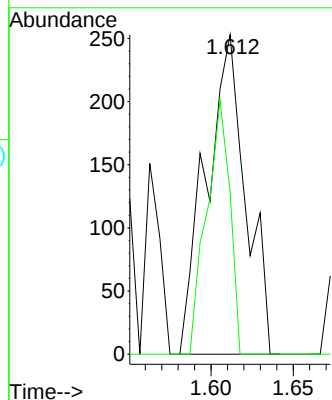
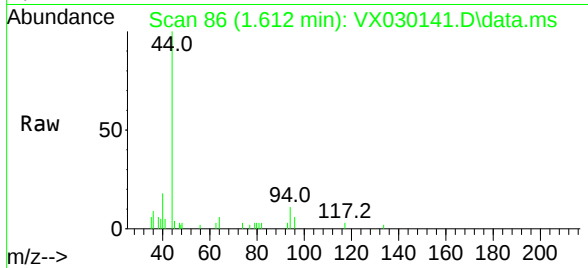




#5
Bromomethane
Concen: 0.527 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.001 min
Lab File: VX030141.D
Acq: 20 Jul 2022 18:44

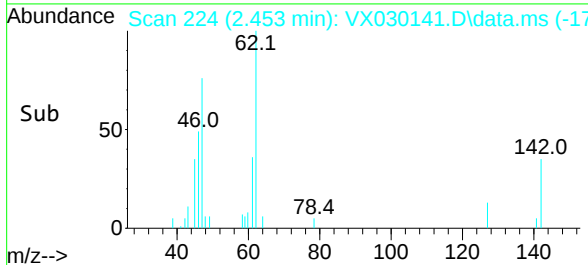
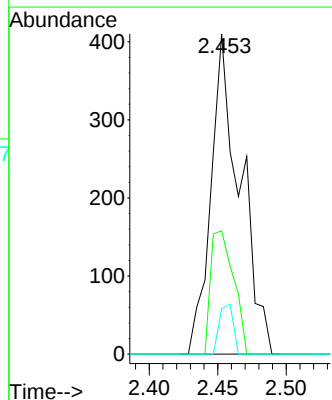
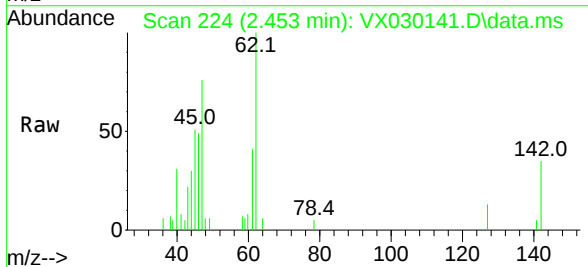
Instrument :
MSVOA_X
ClientSampleId :
AUD-1822

Tgt Ion: 94 Resp: 424
Ion Ratio Lower Upper
94 100
96 50.6 76.9 115.3#



#10
Methyl Iodide
Concen: 2.761 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX030141.D
Acq: 20 Jul 2022 18:44

Tgt Ion: 142 Resp: 608
Ion Ratio Lower Upper
142 100
127 30.3 30.2 45.2
141 7.4 11.3 16.9#





#11

Tert butyl alcohol

Concen: 2.693 ug/l

RT: 2.965 min Scan# 308

Delta R.T. -0.030 min

Lab File: VX030141.D

Acq: 20 Jul 2022 18:44

Instrument :

MSVOA_X

ClientSampleId :

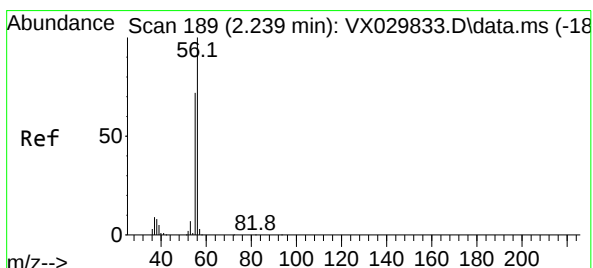
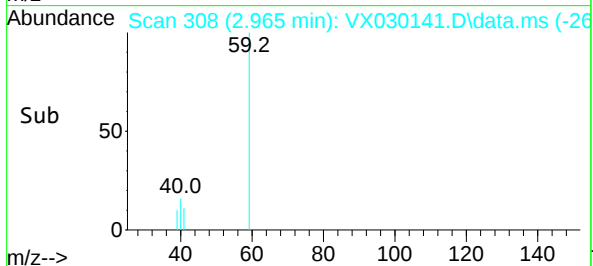
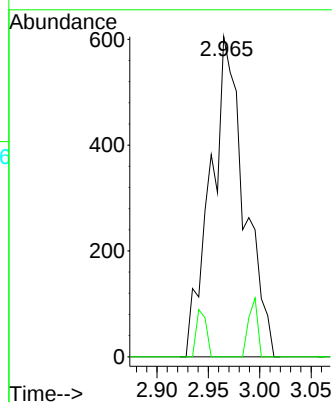
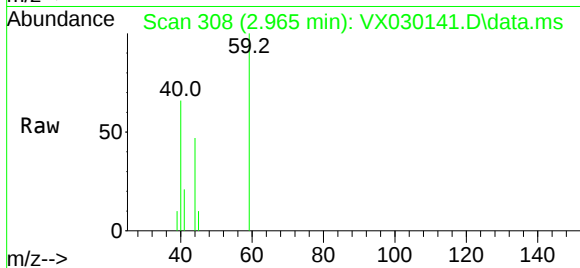
AUD-1822

Tgt Ion: 59 Resp: 1385

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#13

Acrolein

Concen: 0.625 ug/l

RT: 2.227 min Scan# 187

Delta R.T. -0.012 min

Lab File: VX030141.D

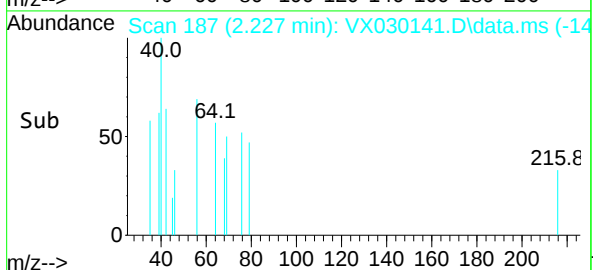
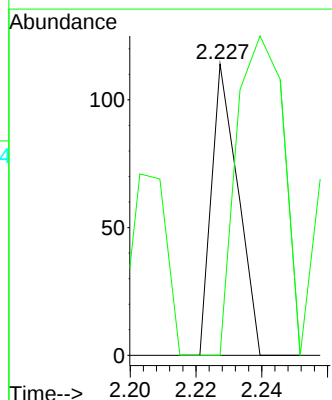
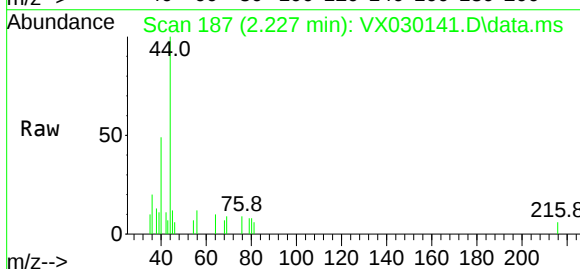
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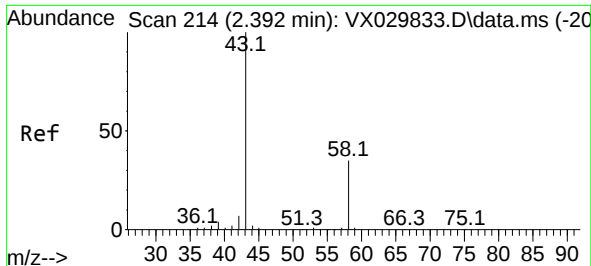
Tgt Ion: 56 Resp: 64

Ion Ratio Lower Upper

56 100

55 231.3 56.6 84.8#

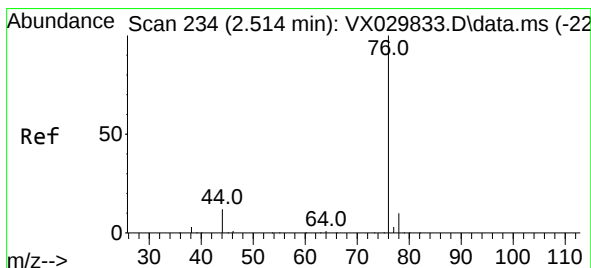
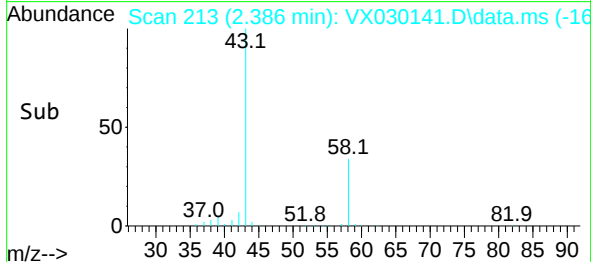
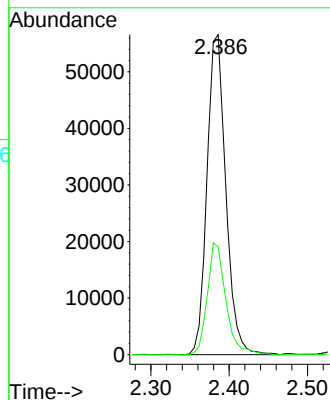
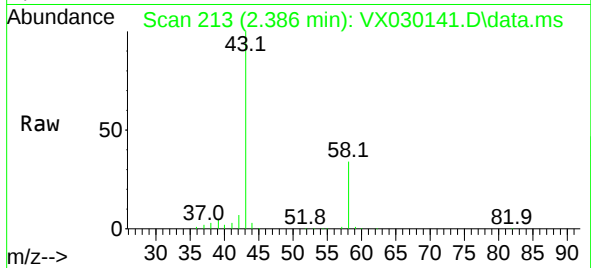




#16
Acetone
Concen: 100.428 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX030141.D
Acq: 20 Jul 2022 18:44

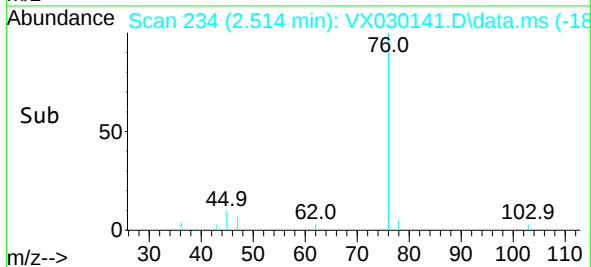
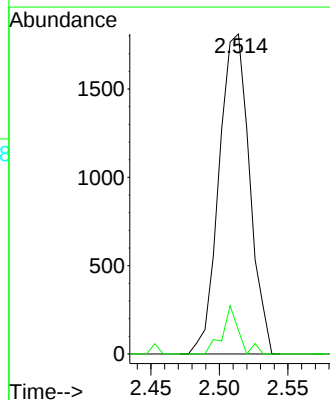
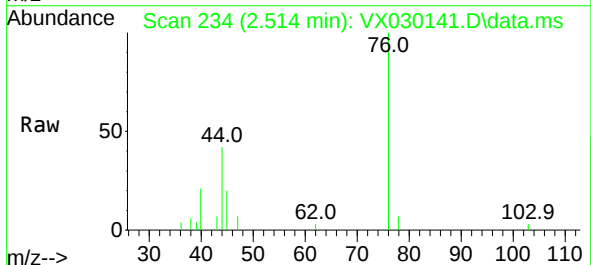
Instrument :
MSVOA_X
ClientSampleId :
AUD-1822

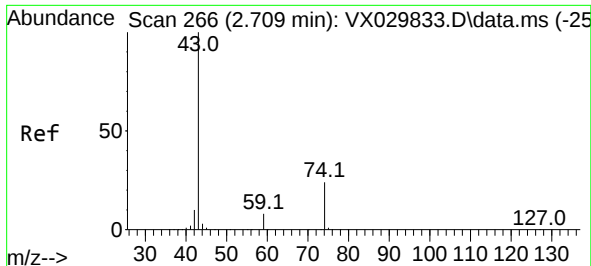
Tgt Ion: 43 Resp: 94297
Ion Ratio Lower Upper
43 100
58 33.7 27.7 41.5



#17
Carbon Disulfide
Concen: 0.227 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX030141.D
Acq: 20 Jul 2022 18:44

Tgt Ion: 76 Resp: 2808
Ion Ratio Lower Upper
76 100
78 7.4 7.8 11.6#

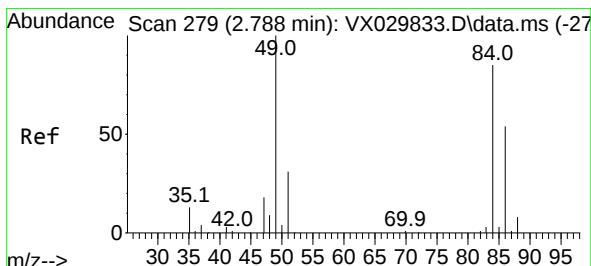
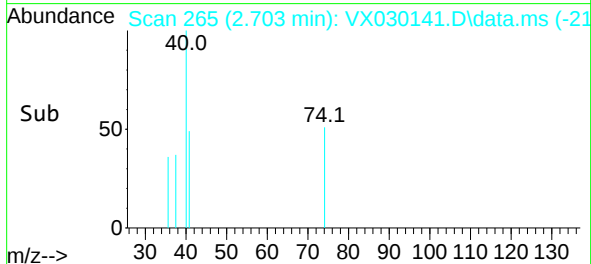
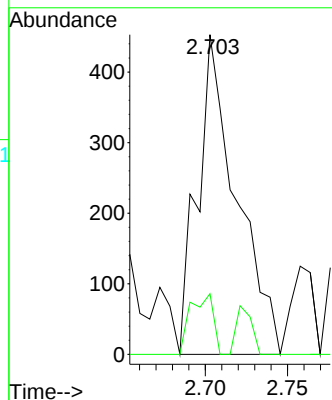
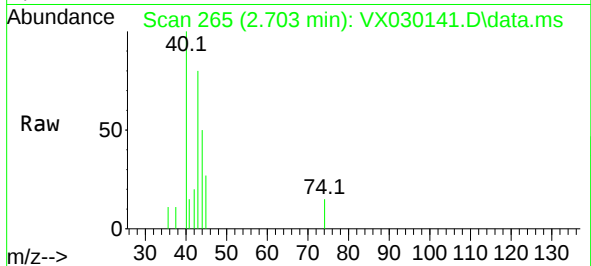




#18
Methyl Acetate
Concen: 0.260 ug/l
RT: 2.703 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX030141.D
Acq: 20 Jul 2022 18:44

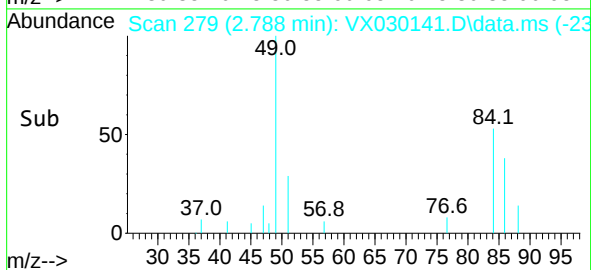
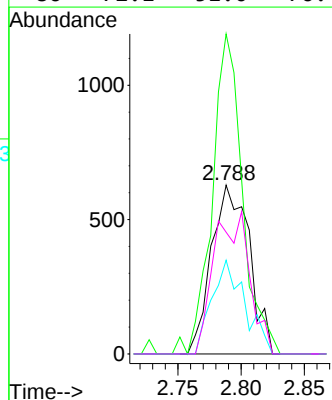
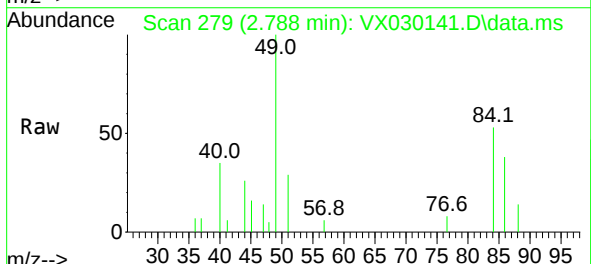
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MSVOA_X
ClientSampleId :
AUD-1822

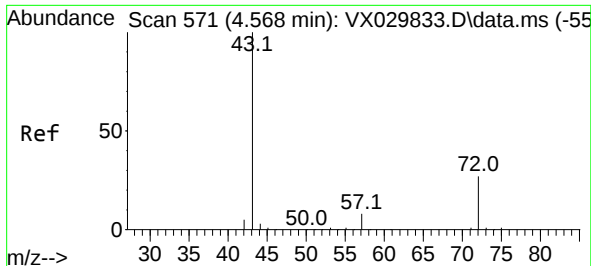
Tgt Ion: 43 Resp: 743
Ion Ratio Lower Upper
43 100
74 11.2 19.4 29.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX030141.D
Acq: 20 Jul 2022 18:44

Tgt Ion: 84 Resp: 1308
Ion Ratio Lower Upper
84 100
49 189.6 93.8 140.6#
51 55.6 29.4 44.0#
86 72.1 51.0 76.4

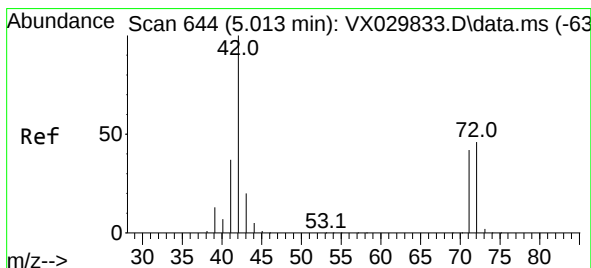
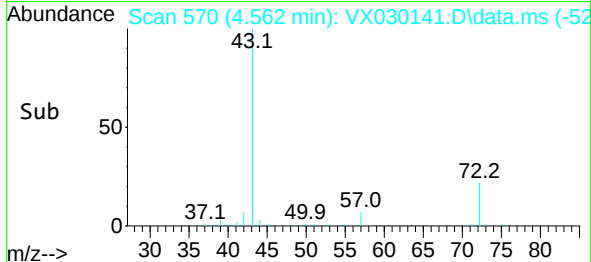
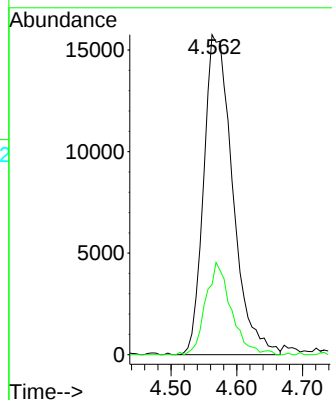
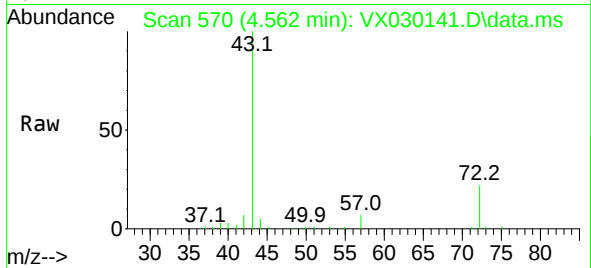




#25
2-Butanone
Concen: 30.173 ug/l
RT: 4.562 min Scan# 51
Delta R.T. -0.006 min
Lab File: VX030141.D
Acq: 20 Jul 2022 18:44

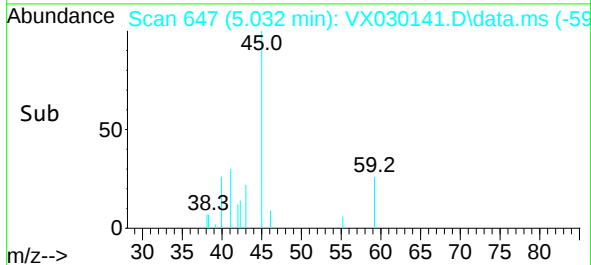
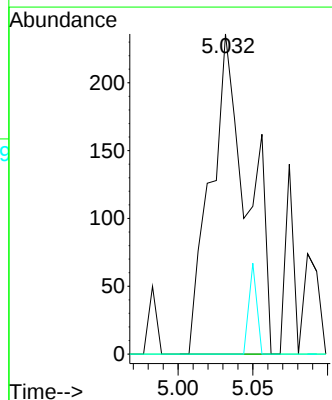
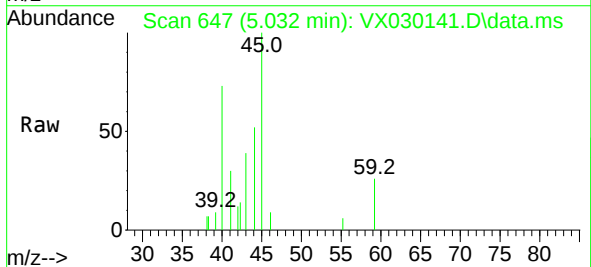
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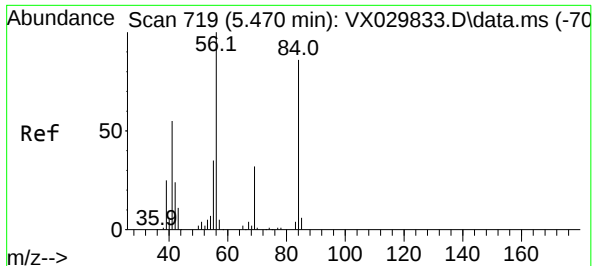
Tgt Ion: 43 Resp: 48260
Ion Ratio Lower Upper
43 100
72 21.9 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.374 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.019 min
Lab File: VX030141.D
Acq: 20 Jul 2022 18:44

Tgt Ion: 42 Resp: 406
Ion Ratio Lower Upper
42 100
72 0.0 36.5 54.7#
71 6.2 33.9 50.9#

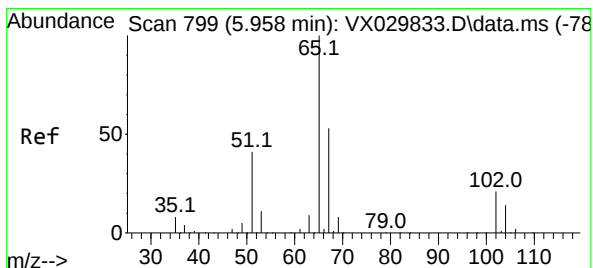
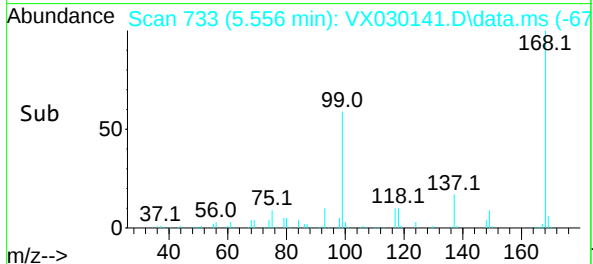
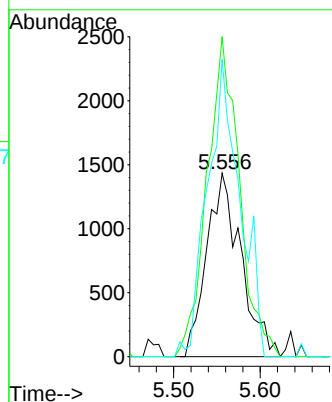
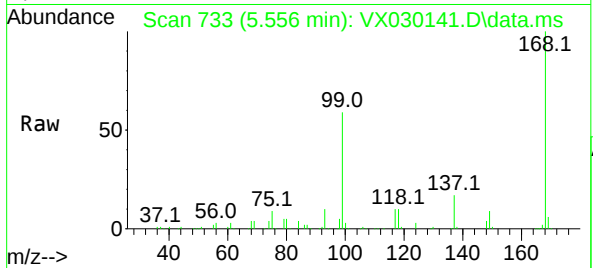




#31
Cyclohexane
Concen: 1.362 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX030141.D
Acq: 20 Jul 2022 18:44

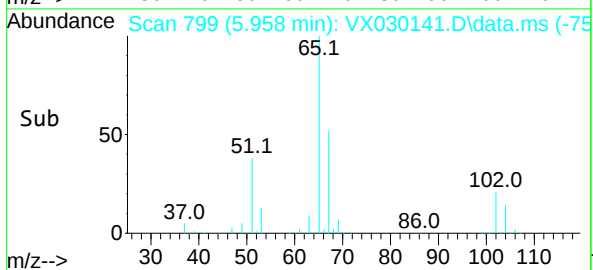
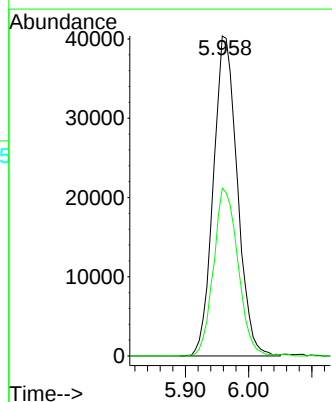
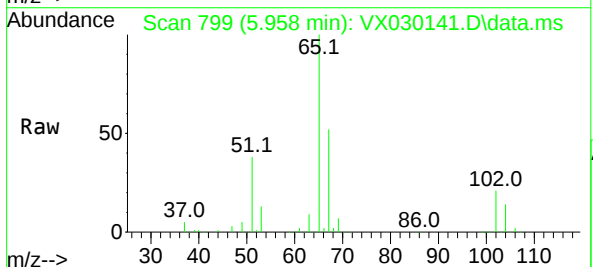
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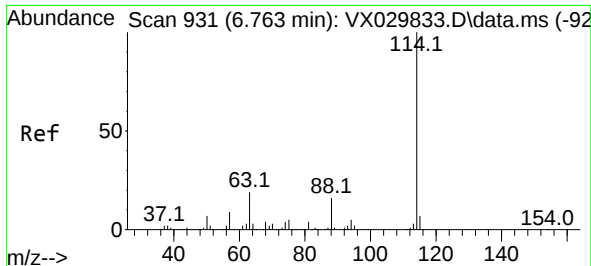
Tgt Ion: 56 Resp: 3934
Ion Ratio Lower Upper
56 100
69 174.5 25.4 38.0#
84 162.1 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 53.297 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX030141.D
Acq: 20 Jul 2022 18:44

Tgt Ion: 65 Resp: 106203
Ion Ratio Lower Upper
65 100
67 53.3 0.0 109.6

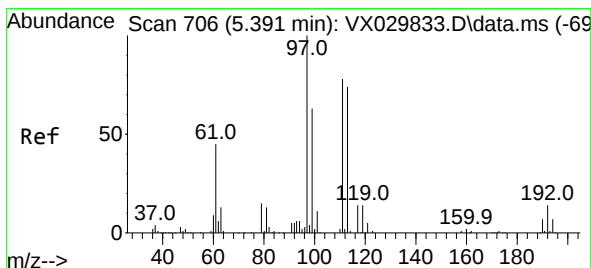
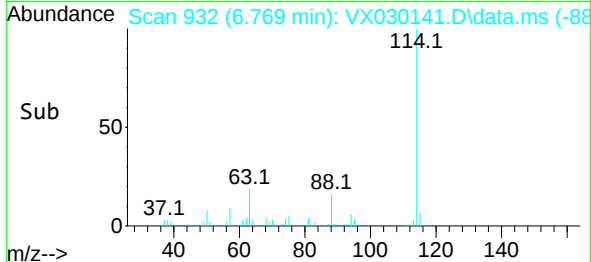
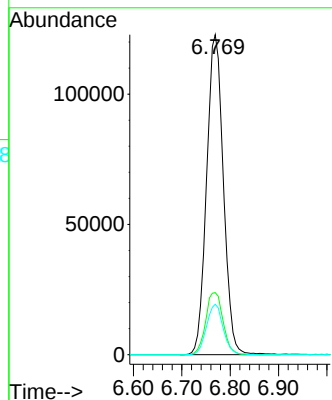
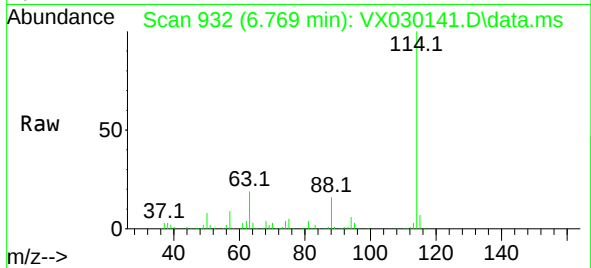




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX030141.D
Acq: 20 Jul 2022 18:44

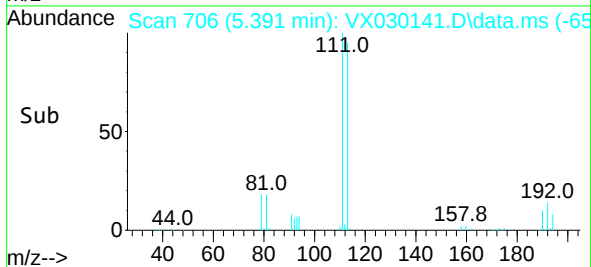
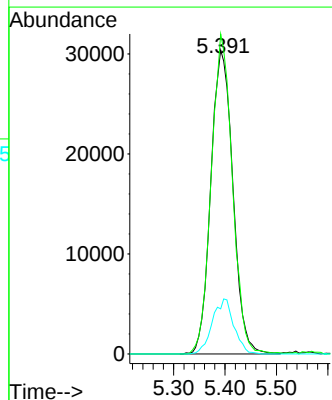
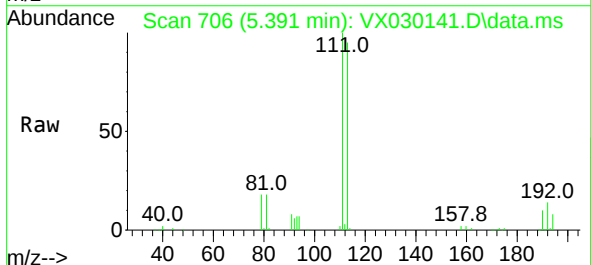
Instrument :
MSVOA_X
ClientSampleId :
AUD-1822

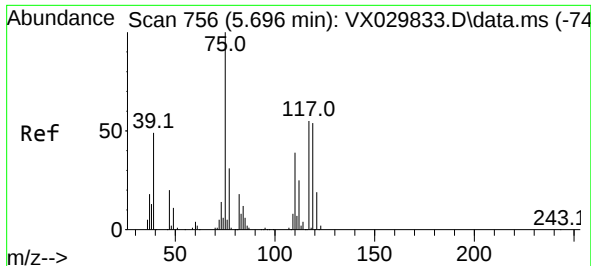
Tgt Ion:114 Resp: 295794
Ion Ratio Lower Upper
114 100
63 19.4 0.0 38.4
88 15.8 0.0 31.8



#35
Dibromofluoromethane
Concen: 47.948 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030141.D
Acq: 20 Jul 2022 18:44

Tgt Ion:113 Resp: 90604
Ion Ratio Lower Upper
113 100
111 100.8 83.2 124.8
192 17.7 14.8 22.2

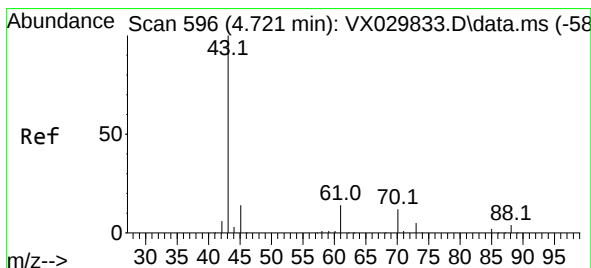
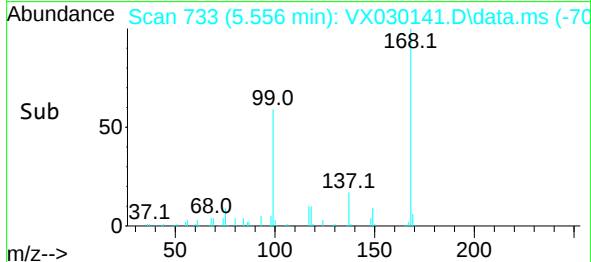
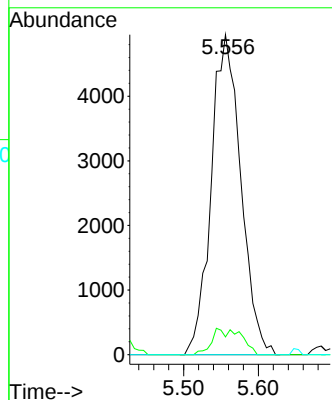
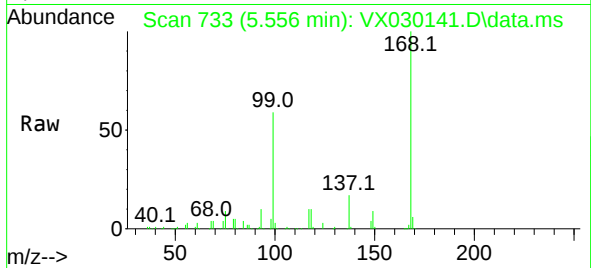




#36
1,1-Dichloropropene
Concen: 5.601 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX030141.D
Acq: 20 Jul 2022 18:44

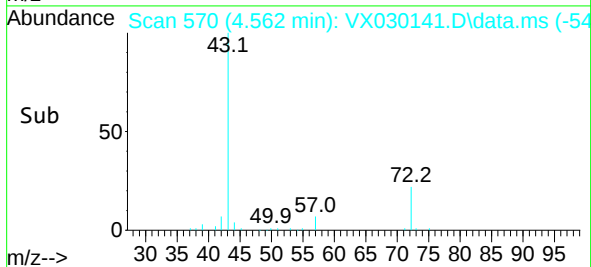
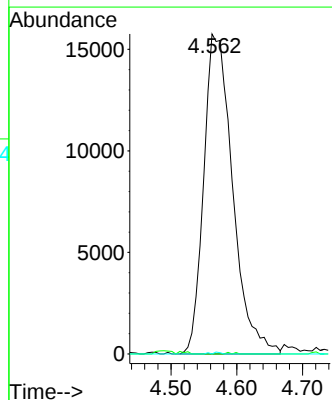
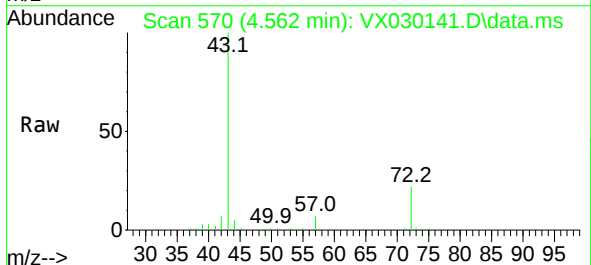
Instrument :
MSVOA_X
ClientSampleId :
AUD-1822

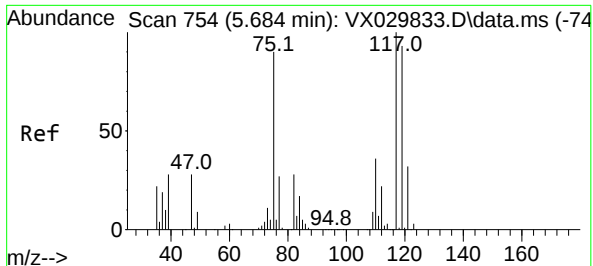
Tgt Ion: 75 Resp: 13672
Ion Ratio Lower Upper
75 100
110 3.9 19.3 57.9#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 15.387 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.159 min
Lab File: VX030141.D
Acq: 20 Jul 2022 18:44

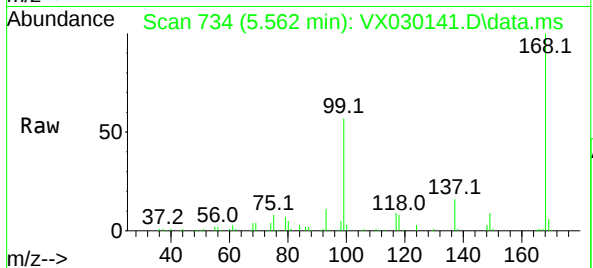
Tgt Ion: 43 Resp: 48260
Ion Ratio Lower Upper
43 100
61 0.0 11.7 17.5#
70 0.2 9.3 13.9#



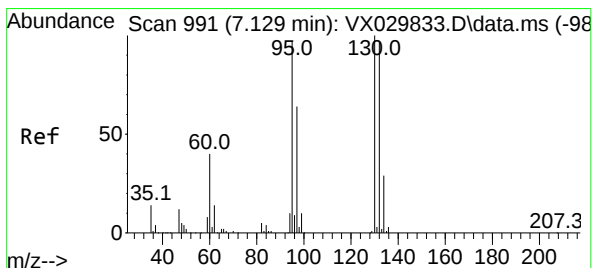
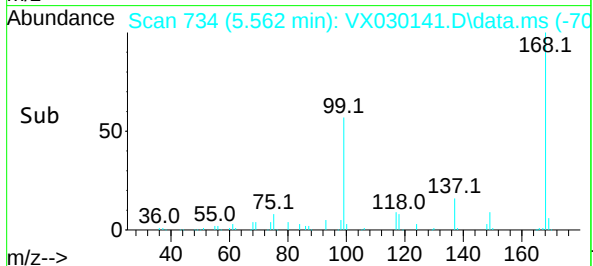
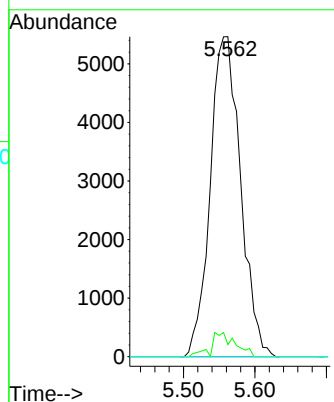


#38
Carbon Tetrachloride
Concen: 7.075 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX030141.D
Acq: 20 Jul 2022 18:44

Instrument :
MSVOA_X
ClientSampleId :
AUD-1822

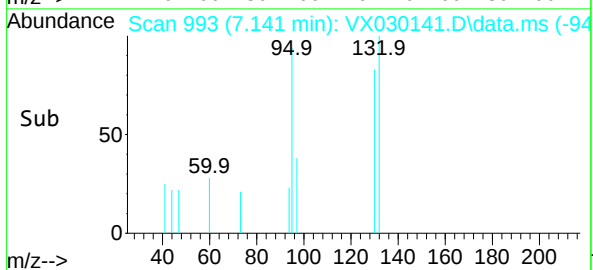
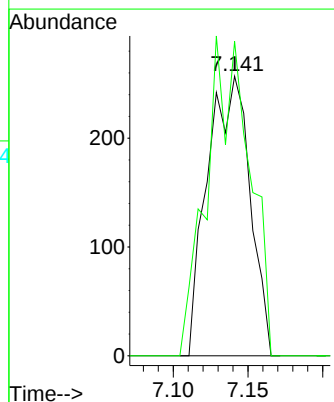
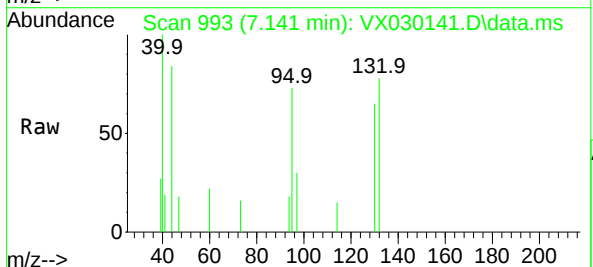


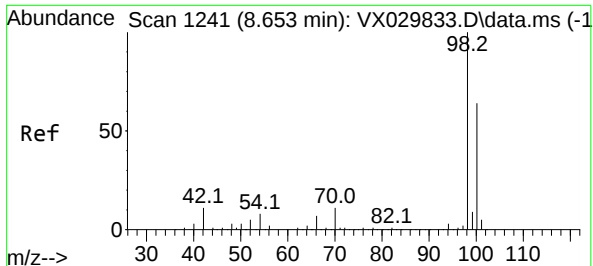
Tgt Ion:117 Resp: 16104
Ion Ratio Lower Upper
117 100
119 3.8 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 0.226 ug/l
RT: 7.141 min Scan# 993
Delta R.T. 0.012 min
Lab File: VX030141.D
Acq: 20 Jul 2022 18:44

Tgt Ion:130 Resp: 508
Ion Ratio Lower Upper
130 100
95 112.5 0.0 194.8

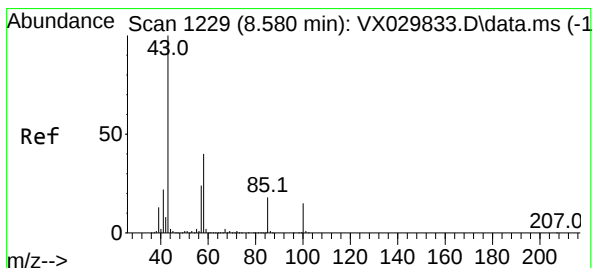
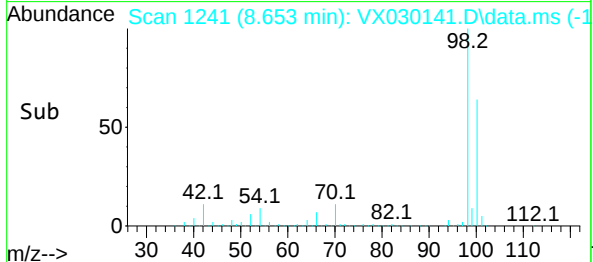
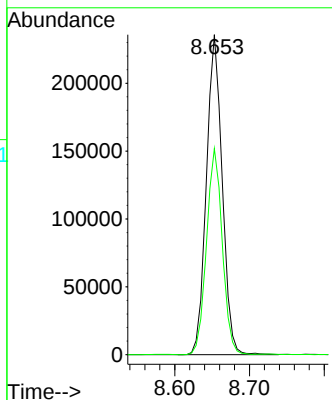
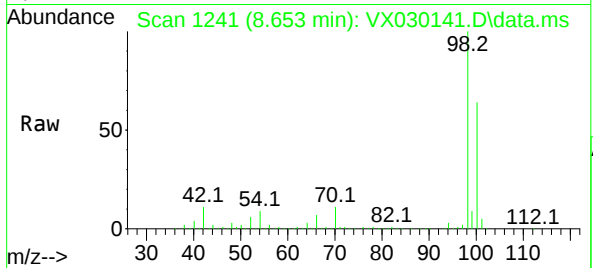




#50
Toluene-d8
Concen: 48.754 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX030141.D
Acq: 20 Jul 2022 18:44

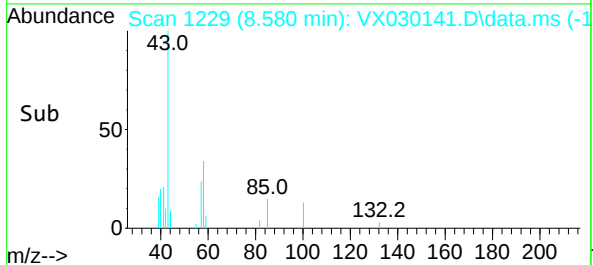
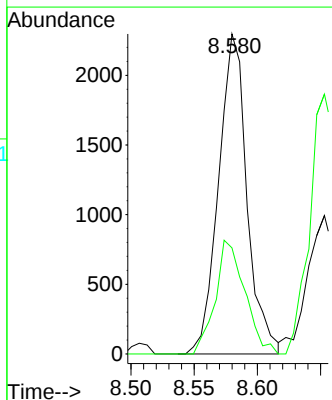
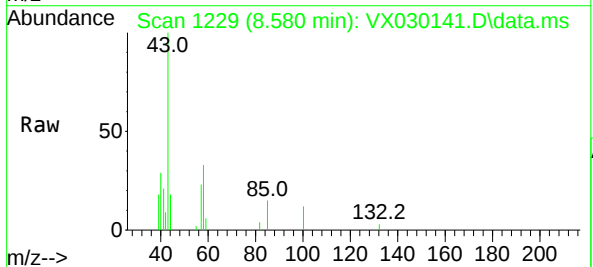
Instrument :
MSVOA_X
ClientSampleId :
AUD-1822

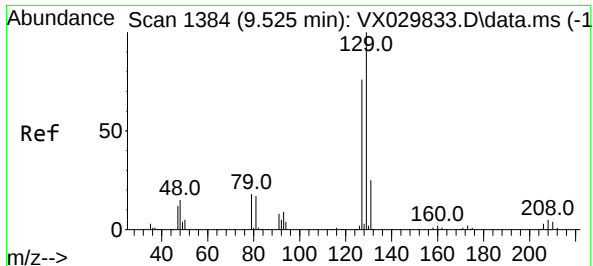
Tgt Ion: 98 Resp: 346486
Ion Ratio Lower Upper
98 100
100 64.3 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.151 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX030141.D
Acq: 20 Jul 2022 18:44

Tgt Ion: 43 Resp: 3593
Ion Ratio Lower Upper
43 100
58 36.8 31.4 47.2

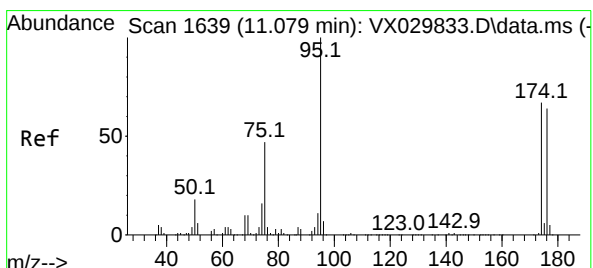
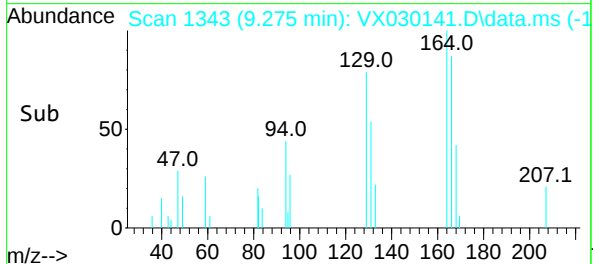
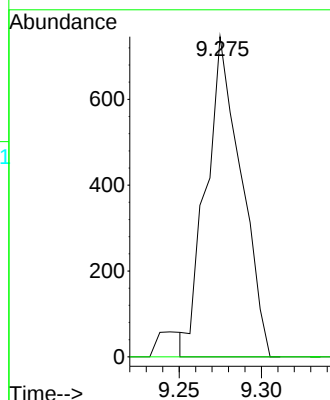
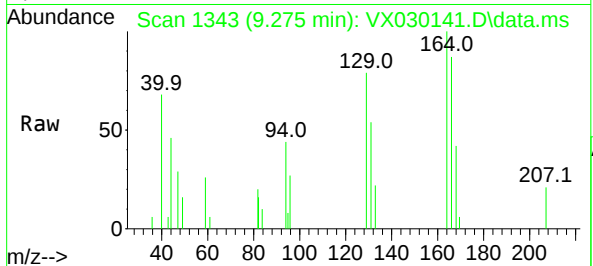




#60
Dibromochloromethane
Concen: 0.560 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX030141.D
Acq: 20 Jul 2022 18:44

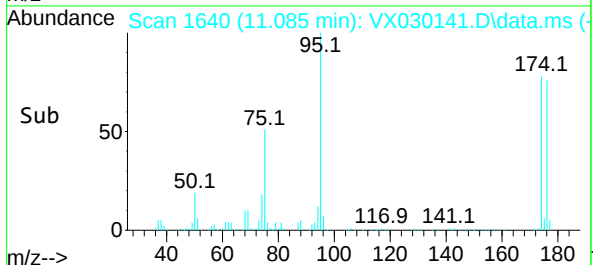
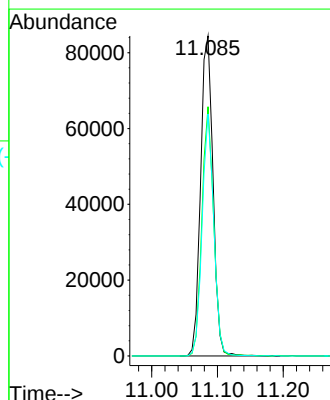
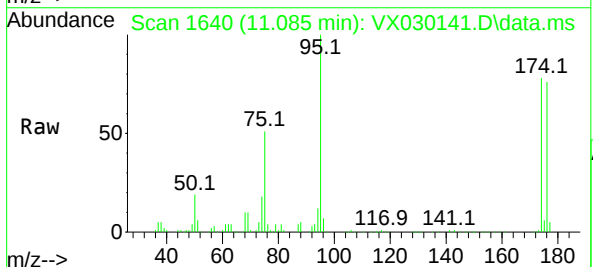
Instrument :
MSVOA_X
ClientSampleId :
AUD-1822

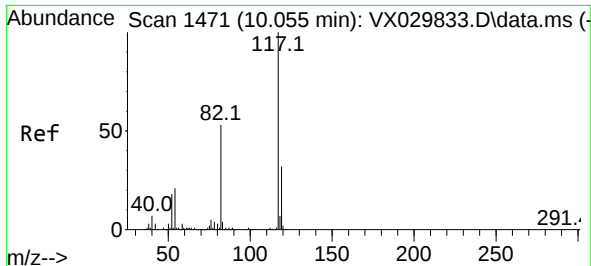
Tgt Ion:129 Resp: 1098
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 44.867 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX030141.D
Acq: 20 Jul 2022 18:44

Tgt Ion: 95 Resp: 110654
Ion Ratio Lower Upper
95 100
174 73.8 0.0 149.0
176 71.0 0.0 146.0

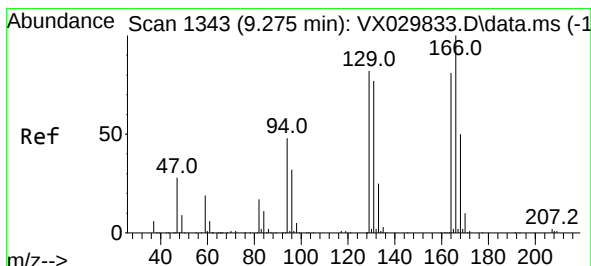
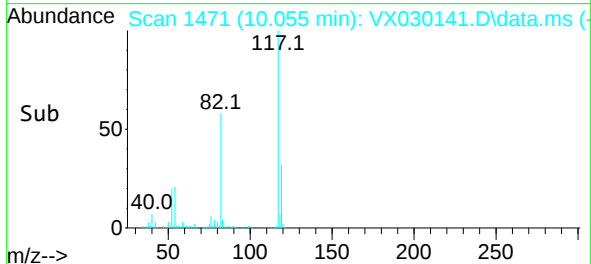
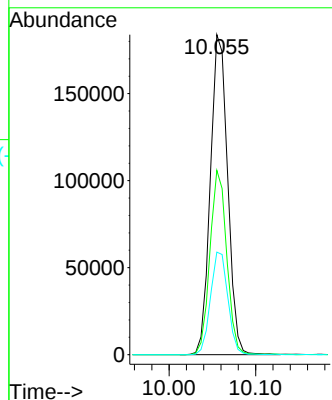
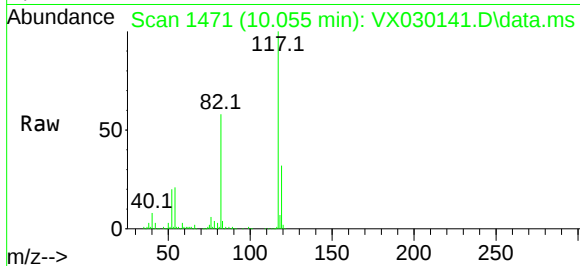




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030141.D
Acq: 20 Jul 2022 18:44

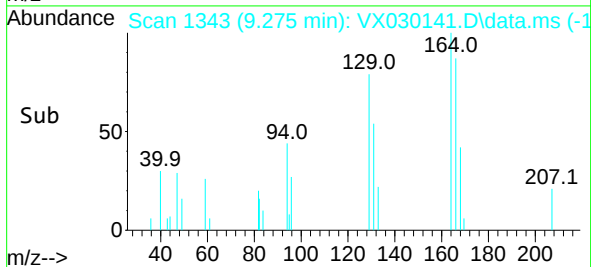
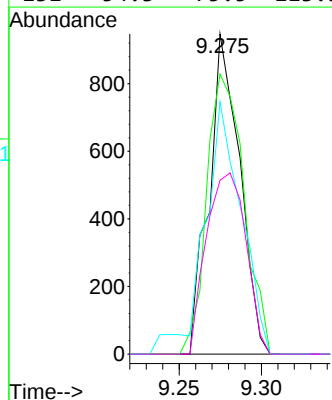
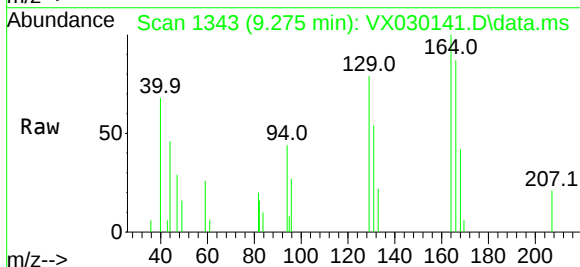
Instrument :
MSVOA_X
ClientSampleId :
AUD-1822

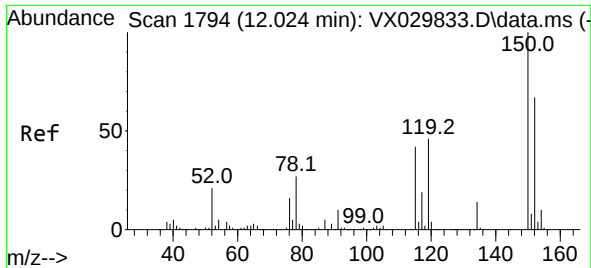
Tgt Ion:117 Resp: 255002
Ion Ratio Lower Upper
117 100
82 57.6 42.7 64.1
119 32.0 25.4 38.2



#64
Tetrachloroethene
Concen: 0.601 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX030141.D
Acq: 20 Jul 2022 18:44

Tgt Ion:164 Resp: 1231
Ion Ratio Lower Upper
164 100
166 87.4 98.2 147.4#
129 78.8 80.8 121.2#
131 54.3 75.5 113.3#

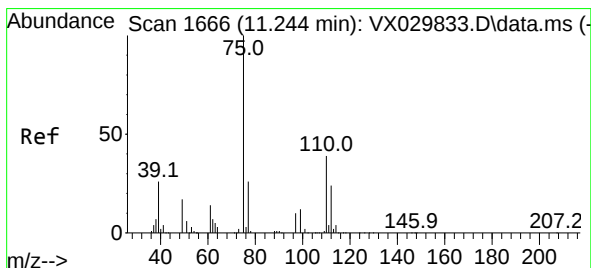
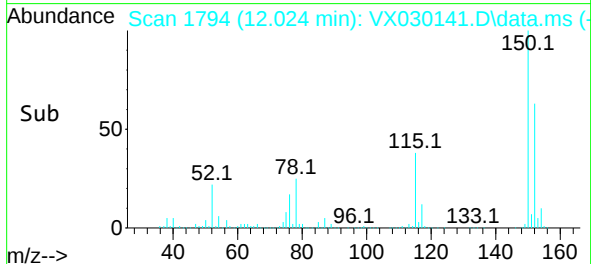
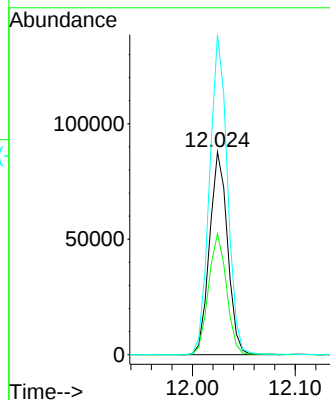
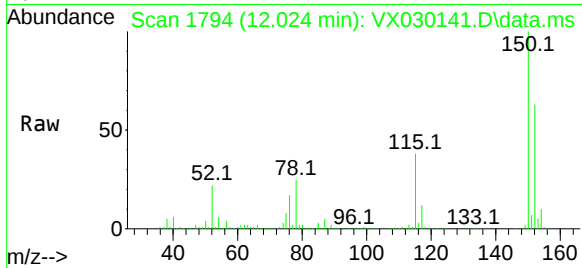




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030141.D
Acq: 20 Jul 2022 18:44

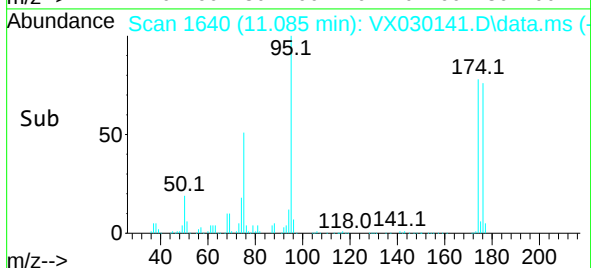
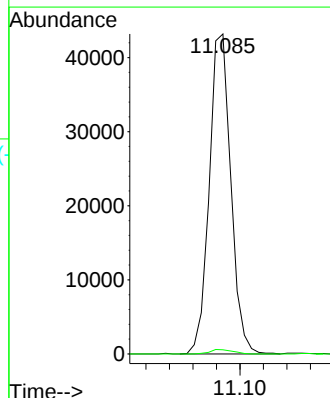
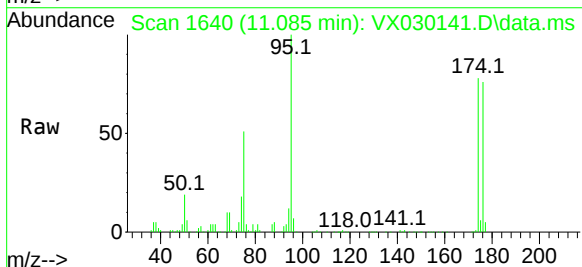
Instrument :
MSVOA_X
ClientSampleId :
AUD-1822

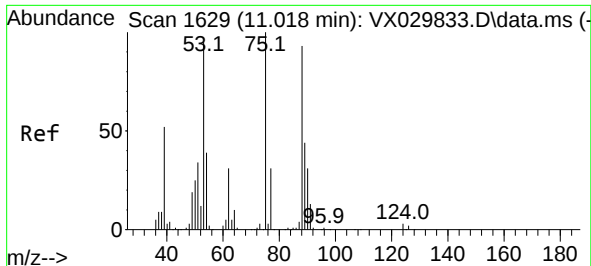
Tgt Ion:152 Resp: 106590
Ion Ratio Lower Upper
152 100
115 59.7 40.5 121.5
150 156.7 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 22.432 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX030141.D
Acq: 20 Jul 2022 18:44

Tgt Ion: 75 Resp: 54976
Ion Ratio Lower Upper
75 100
77 1.5 19.8 59.3#

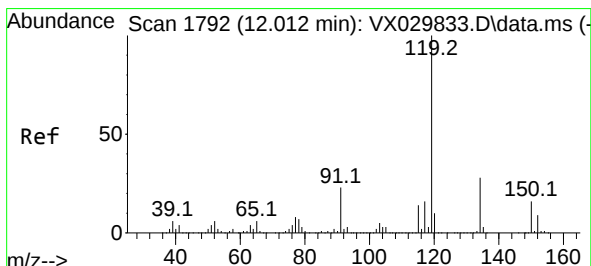
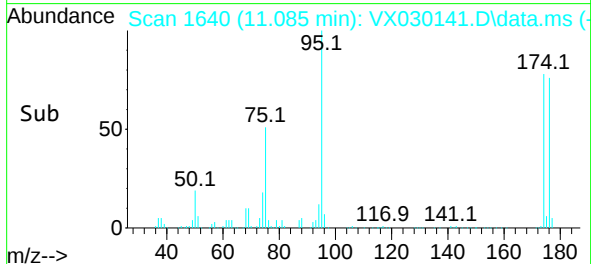
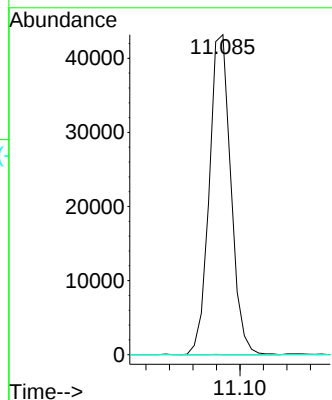
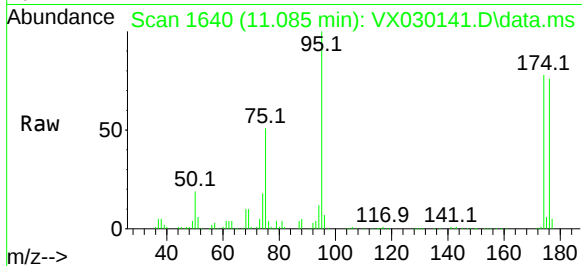




#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.740 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX030141.D
 Acq: 20 Jul 2022 18:44

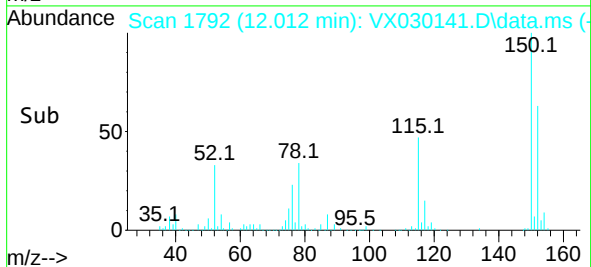
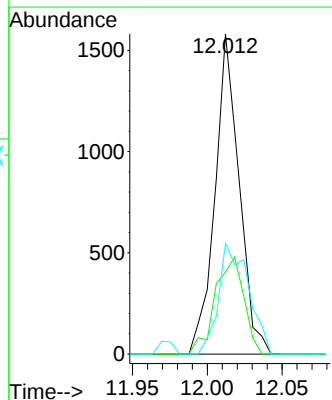
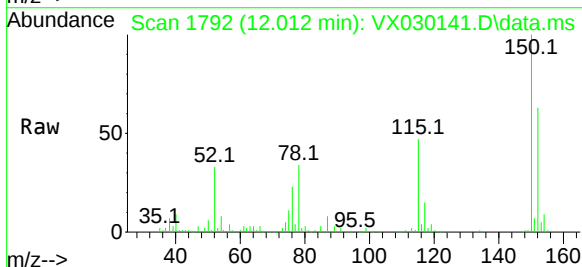
Instrument :
 MSVOA_X
 ClientSampleId :
 AUD-1822

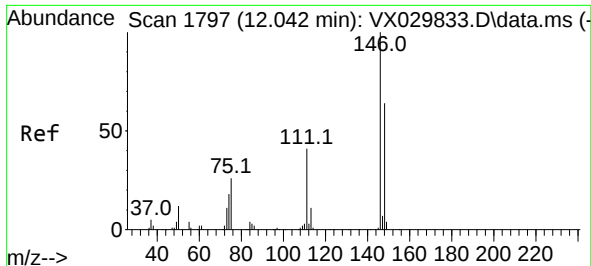
Tgt Ion: 75 Resp: 54976
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#



#86
 p-Isopropyltoluene
 Concen: 0.279 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.000 min
 Lab File: VX030141.D
 Acq: 20 Jul 2022 18:44

Tgt Ion: 119 Resp: 1776
 Ion Ratio Lower Upper
 119 100
 134 36.0 13.9 41.6
 91 43.1 11.8 35.3#

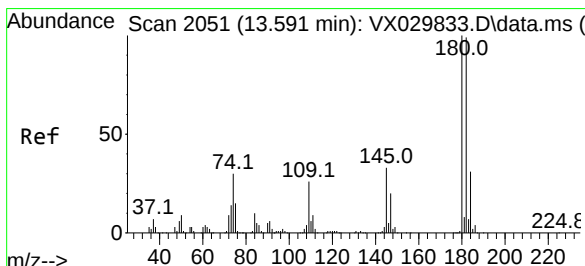
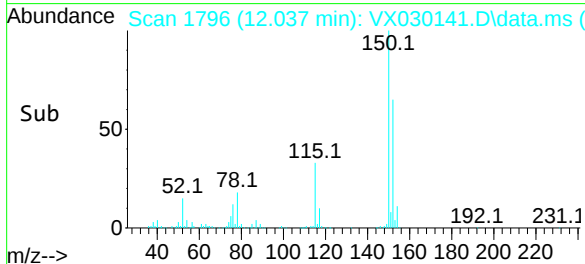
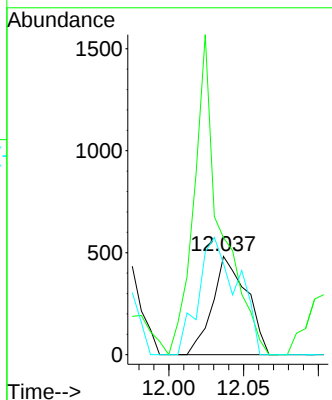
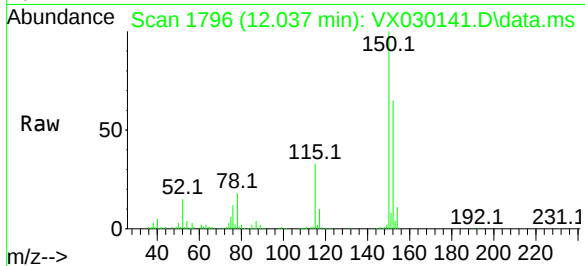




#88
 1,4-Dichlorobenzene
 Concen: 0.219 ug/l
 RT: 12.037 min Scan# 11
 Delta R.T. -0.005 min
 Lab File: VX030141.D
 Acq: 20 Jul 2022 18:44

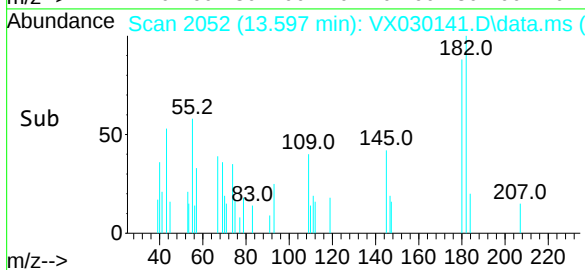
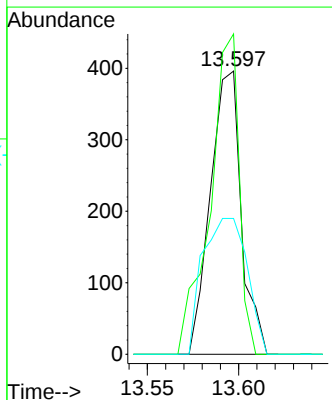
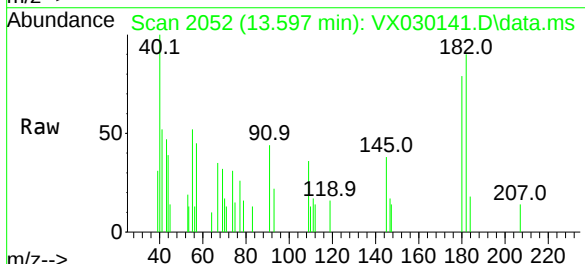
Instrument :
 MSVOA_X
 ClientSampleId :
 AUD-1822

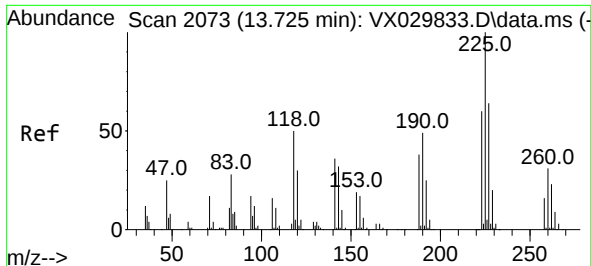
Tgt Ion:146 Resp: 771
 Ion Ratio Lower Upper
 146 100
 111 253.0 20.3 60.9#
 148 135.9 32.3 96.8#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.218 ug/l
 RT: 13.597 min Scan# 2052
 Delta R.T. 0.006 min
 Lab File: VX030141.D
 Acq: 20 Jul 2022 18:44

Tgt Ion:180 Resp: 467
 Ion Ratio Lower Upper
 180 100
 182 105.8 48.2 144.6
 145 69.0 15.9 47.6#

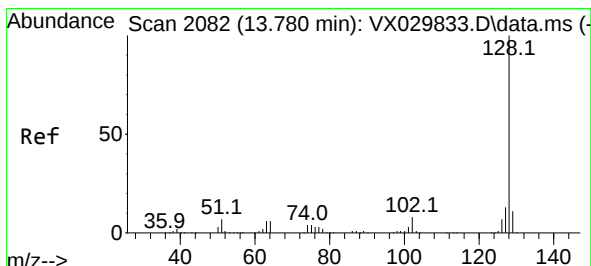
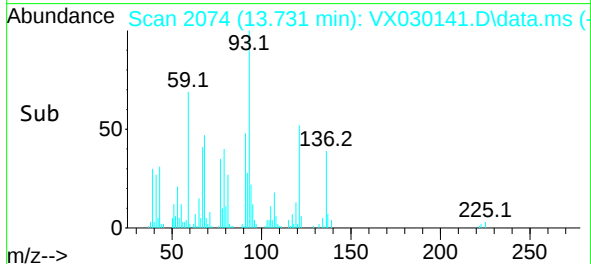
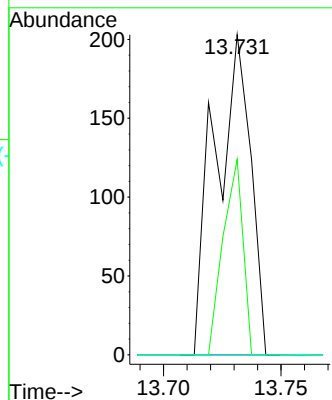
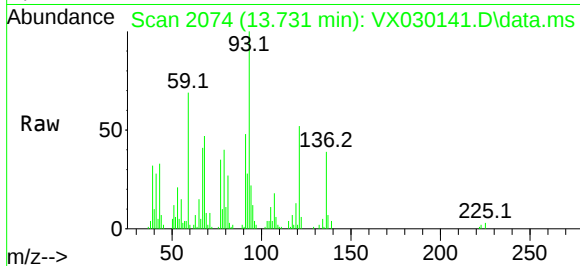




#94
Hexachlorobutadiene
Concen: 0.250 ug/l
RT: 13.731 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX030141.D
Acq: 20 Jul 2022 18:44

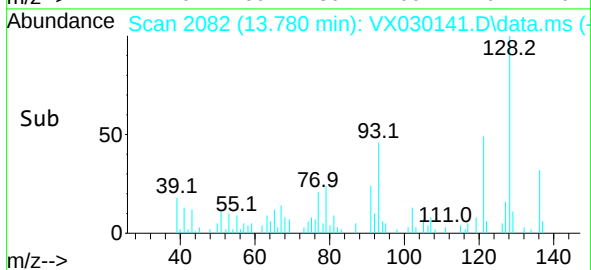
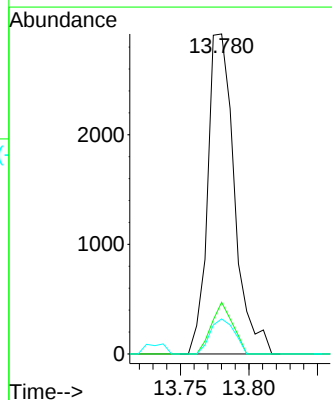
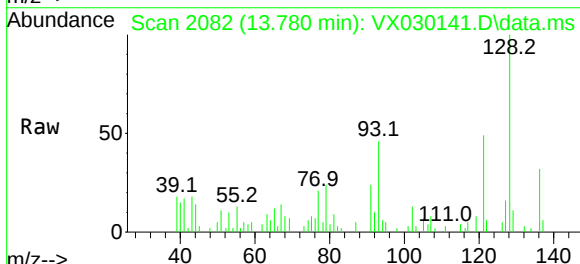
Instrument :
MSVOA_X
ClientSampleId :
AUD-1822

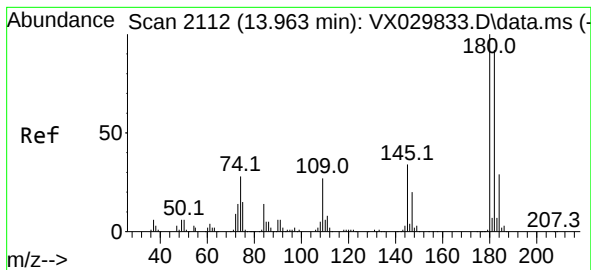
Tgt Ion:225 Resp: 214
Ion Ratio Lower Upper
225 100
223 34.1 30.6 91.6
227 0.0 31.9 95.9#



#95
Naphthalene
Concen: 0.465 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX030141.D
Acq: 20 Jul 2022 18:44

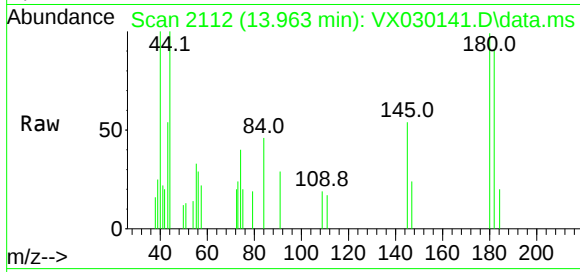
Tgt Ion:128 Resp: 3948
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 9.9 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.245 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.000 min
 Lab File: VX030141.D
 Acq: 20 Jul 2022 18:44

Instrument :
 MSVOA_X
 ClientSampleId :
 AUD-1822



Tgt Ion:180	Resp:	534
Ion	Ratio	Lower Upper
180	100	
182	72.8	47.0 141.0
145	45.3	17.0 50.9

