

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072122\
 Data File : VX030153.D
 Acq On : 20 Jul 2022 23:51
 Operator : JC/MD
 Sample : N3781-04 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ORA-62322

Quant Time: Jul 21 03:35:19 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)

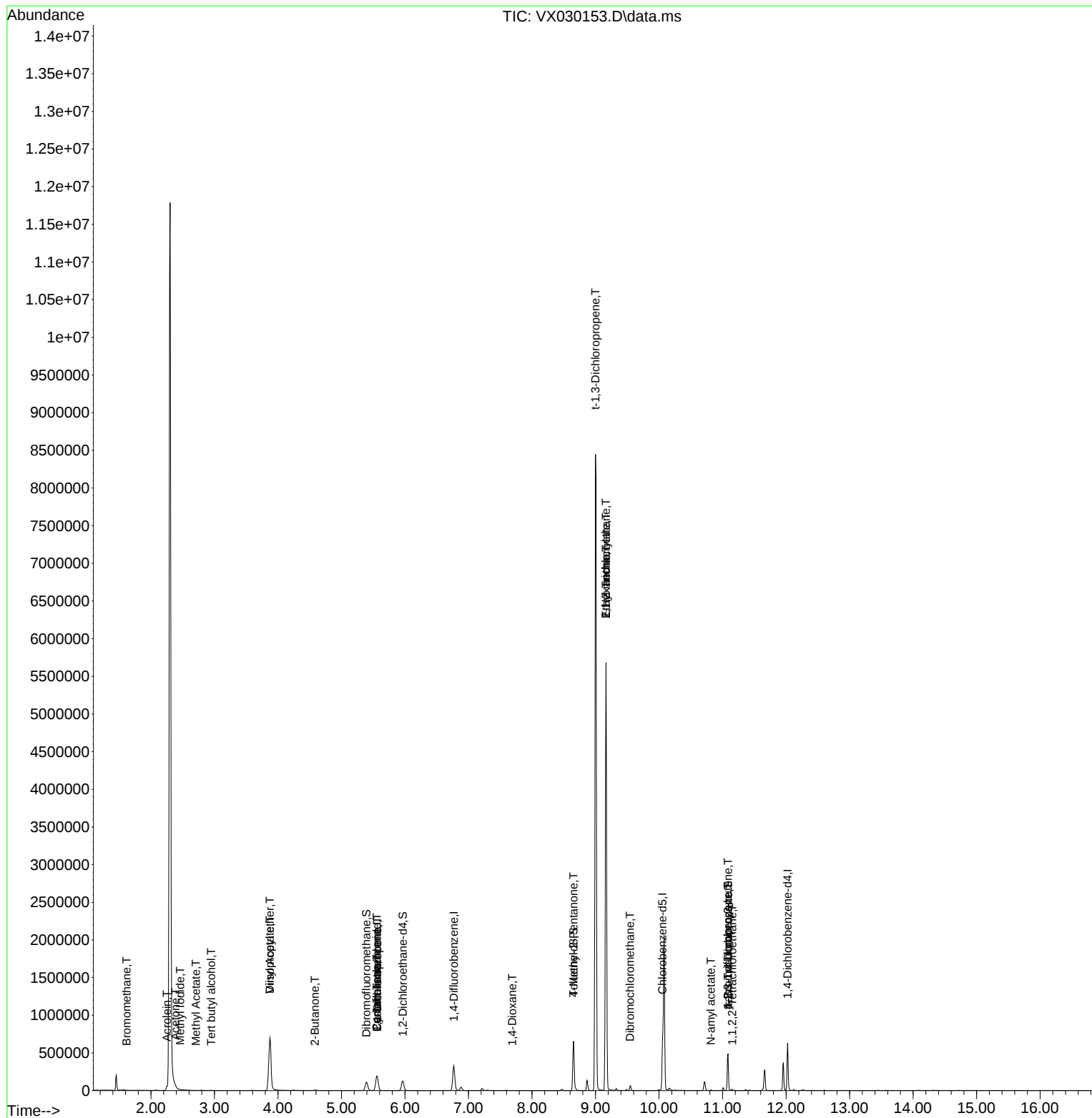
Internal Standards						
1) Pentafluorobenzene	5.556	168	184855	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	337552	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	293192	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	124149	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	120248	53.443	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.880%			
35) Dibromofluoromethane	5.391	113	102044	47.321	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.640%			
50) Toluene-d8	8.653	98	385491	47.532	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.060%			
62) 4-Bromofluorobenzene	11.085	95	133077	47.283	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.560%			
Target Compounds					Qvalue	
5) Bromomethane	1.618	94	233	0.256	ug/l #	51
10) Methyl Iodide	2.459	142	241	2.532	ug/l #	66
11) Tert butyl alcohol	2.947	59	2324	4.002	ug/l	100
13) Acrolein	2.252	56	50778	439.044	ug/l	87
16) Acetone	2.386	43	19530	18.421	ug/l #	1
17) Carbon Disulfide	2.508	76	576	Below Cal	#	74
18) Methyl Acetate	2.709	43	848	0.263	ug/l #	51
20) Methylene Chloride	2.794	84	1655	Below Cal	#	90
22) Diisopropyl ether	3.873	45	48888	7.588	ug/l #	1
23) Vinyl Acetate	3.873	43	116359	21.335	ug/l #	72
25) 2-Butanone	4.580	43	3470	1.921	ug/l	94
31) Cyclohexane	5.556	56	4305	1.320	ug/l #	8
36) 1,1-Dichloropropene	5.562	75	16164	5.803	ug/l #	47
38) Carbon Tetrachloride	5.556	117	19703	7.585	ug/l #	17
49) 1,4-Dioxane	7.690	88	44	0.682	ug/l #	1
51) 4-Methyl-2-Pentanone	8.653	43	2246	0.631	ug/l #	1
53) t-1,3-Dichloropropene	9.000	75	13297	4.498	ug/l #	44
55) 1,1,2-Trichloroethane	9.165	97	1707	0.744	ug/l #	1
56) Ethyl methacrylate	9.165	69	4909	1.422	ug/l #	1
59) 2-Hexanone	9.165	43	309590	113.355	ug/l	96
60) Dibromochloromethane	9.543	129	966	0.432	ug/l #	11
74) N-amyl acetate	10.817	43	909	0.239	ug/l #	28
75) 1,1,2,2-Tetrachloroethane	11.153	83	963	0.309	ug/l #	46
76) 1,2,3-Trichloropropane	11.085	75	66462	23.284	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	66462	67.196	ug/l #	13

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

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ORA-62322

Quant Time: Jul 21 03:35:19 2022
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Quant Title : SW846 8260
QLast Update : Wed Jul 13 09:05:23 2022
Response via : Initial Calibration

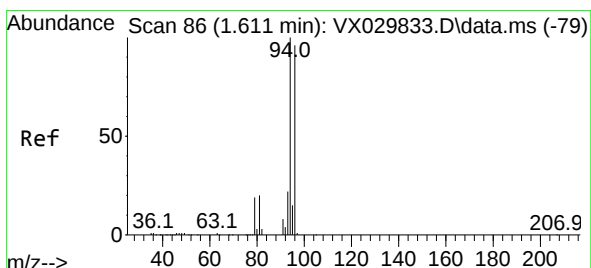
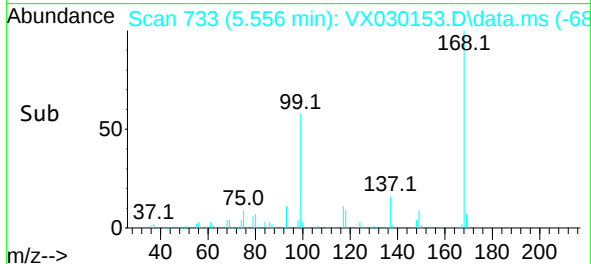
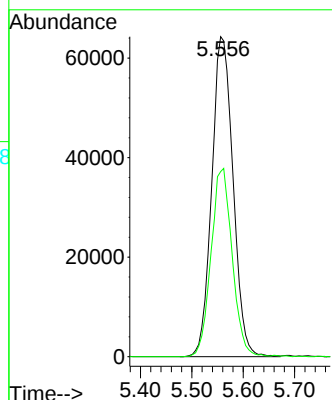
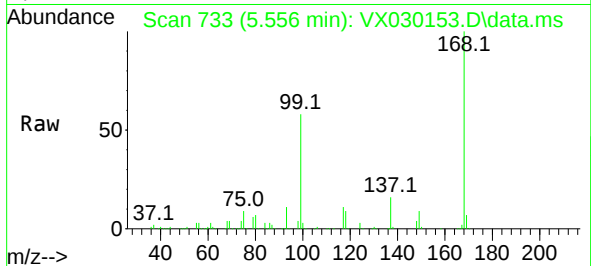




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030153.D
Acq: 20 Jul 2022 23:51

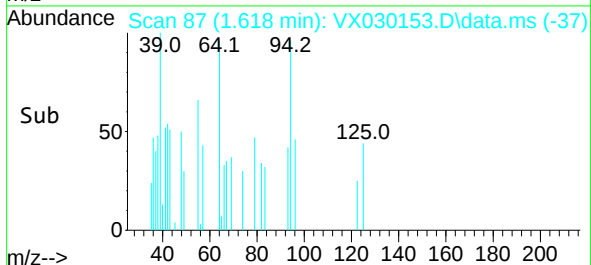
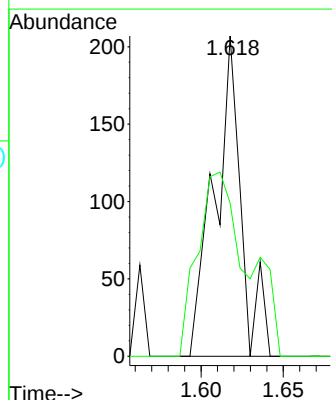
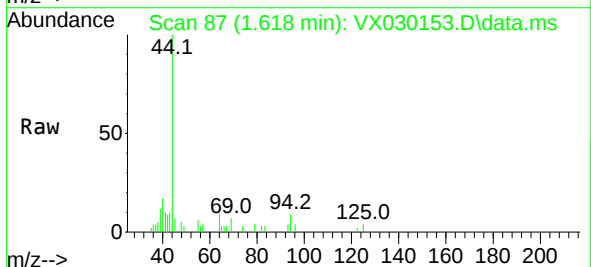
Instrument :
MSVOA_X
ClientSampleId :
ORA-62322

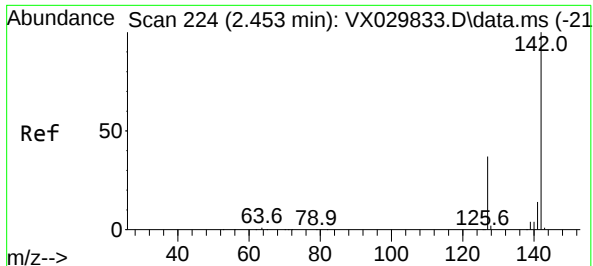
Tgt Ion:168 Resp: 184855
Ion Ratio Lower Upper
168 100
99 57.9 44.0 66.0



#5
Bromomethane
Concen: 0.256 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.007 min
Lab File: VX030153.D
Acq: 20 Jul 2022 23:51

Tgt Ion: 94 Resp: 233
Ion Ratio Lower Upper
94 100
96 47.8 76.9 115.3#

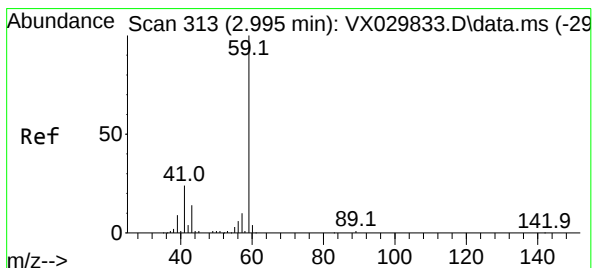
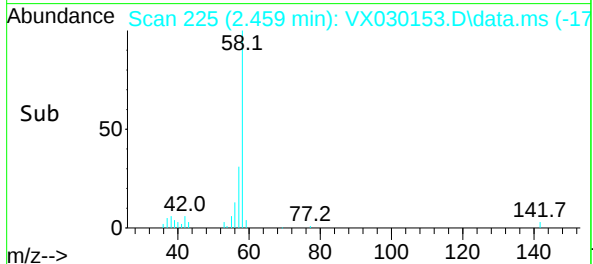
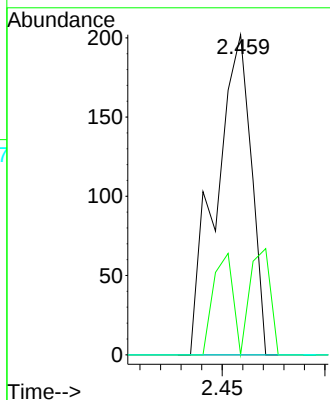
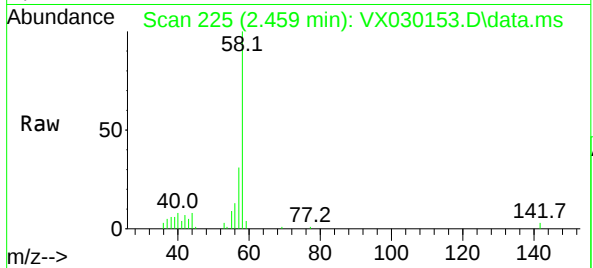




#10
Methyl Iodide
Concen: 2.532 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030153.D
Acq: 20 Jul 2022 23:51

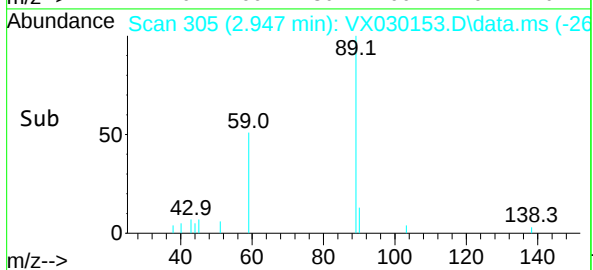
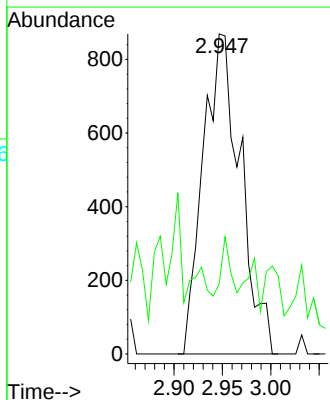
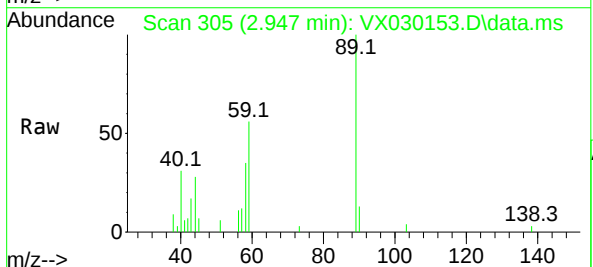
Instrument :
MSVOA_X
ClientSampleId :
ORA-62322

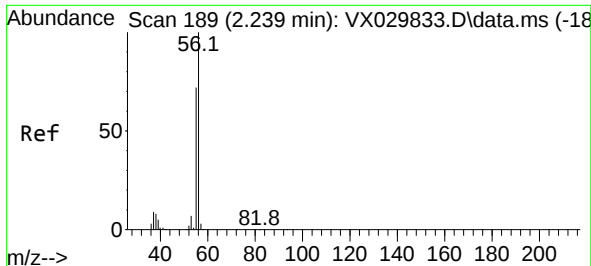
Tgt Ion:142 Resp: 241
Ion Ratio Lower Upper
142 100
127 17.4 30.2 45.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 4.002 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.048 min
Lab File: VX030153.D
Acq: 20 Jul 2022 23:51

Tgt Ion: 59 Resp: 2324
Ion Ratio Lower Upper
59 100
57 9.5 7.4 11.2

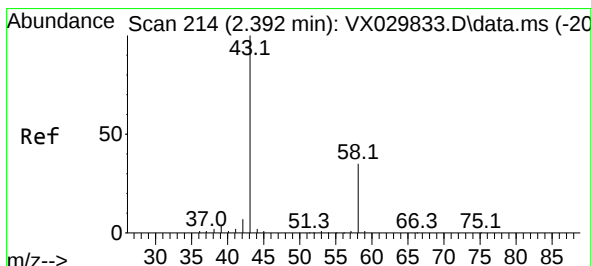
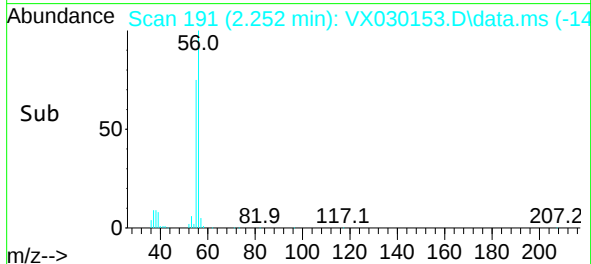
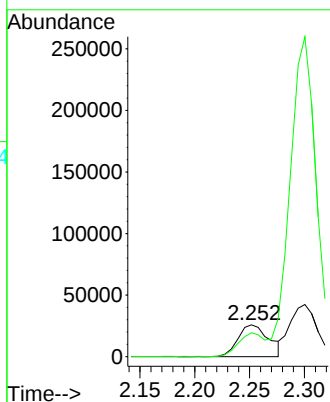
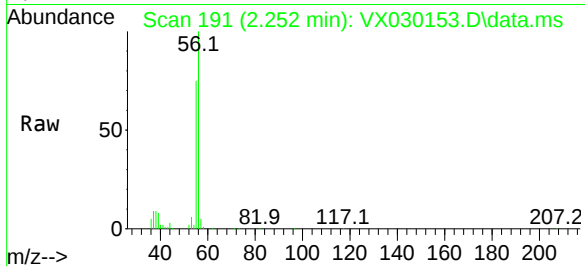




#13
Acrolein
Concen: 439.044 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.013 min
Lab File: VX030153.D
Acq: 20 Jul 2022 23:51

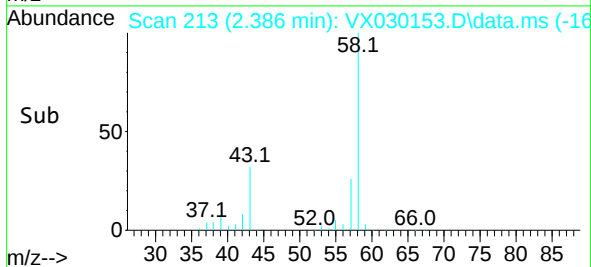
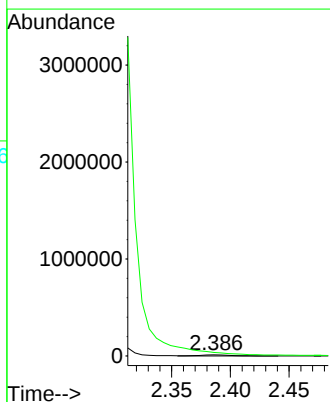
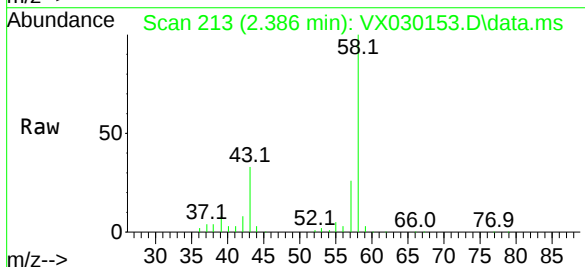
Instrument :
MSVOA_X
ClientSampleId :
ORA-62322

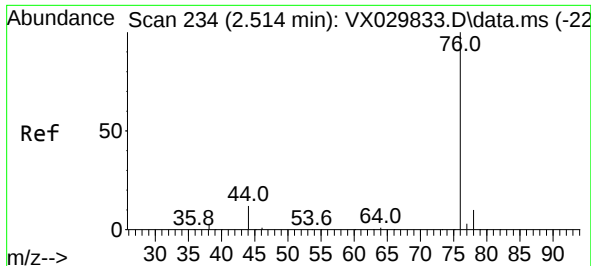
Tgt Ion: 56 Resp: 50778
Ion Ratio Lower Upper
56 100
55 60.4 56.6 84.8



#16
Acetone
Concen: 18.421 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX030153.D
Acq: 20 Jul 2022 23:51

Tgt Ion: 43 Resp: 19530
Ion Ratio Lower Upper
43 100
58 230.5 27.7 41.5#

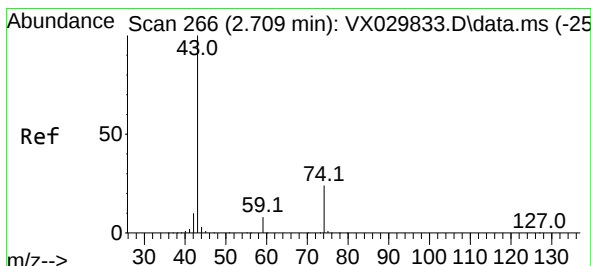
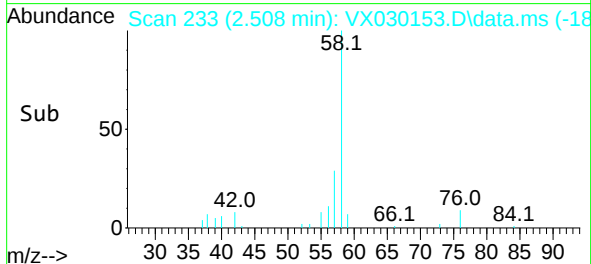
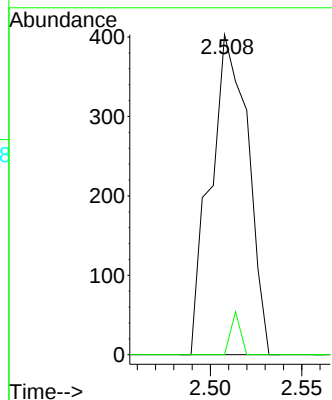
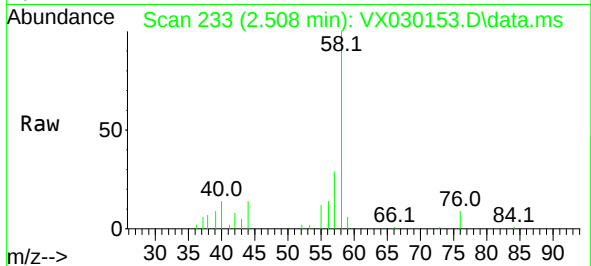




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.508 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX030153.D
Acq: 20 Jul 2022 23:51

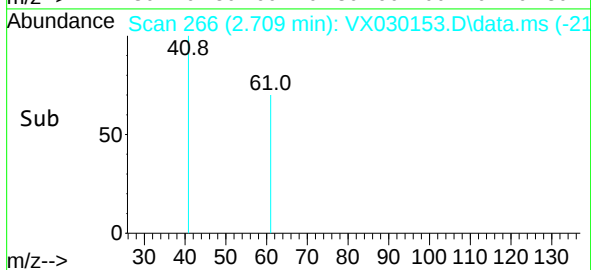
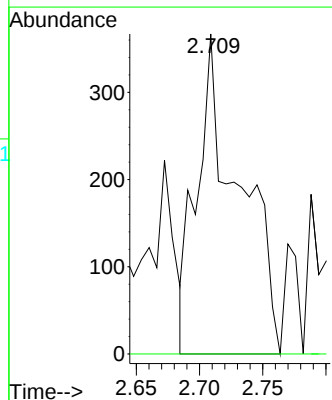
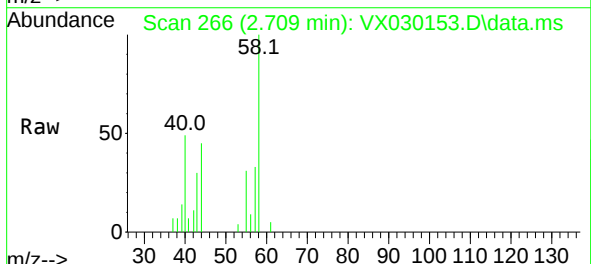
Instrument :
MSVOA_X
ClientSampleId :
ORA-62322

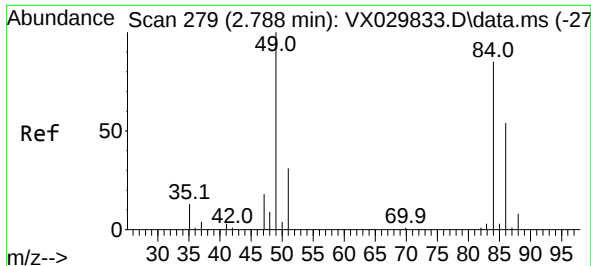
Tgt Ion: 76 Resp: 576
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



#18
Methyl Acetate
Concen: 0.263 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX030153.D
Acq: 20 Jul 2022 23:51

Tgt Ion: 43 Resp: 848
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#

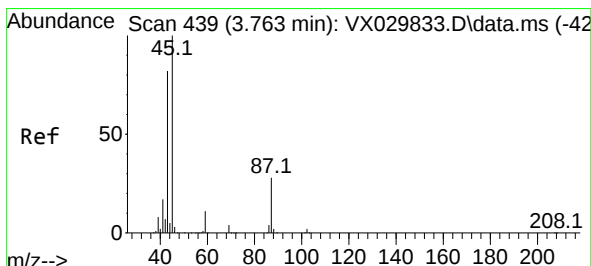
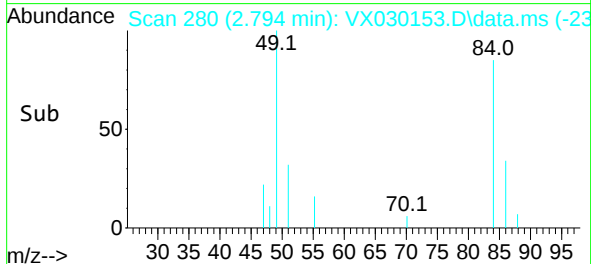
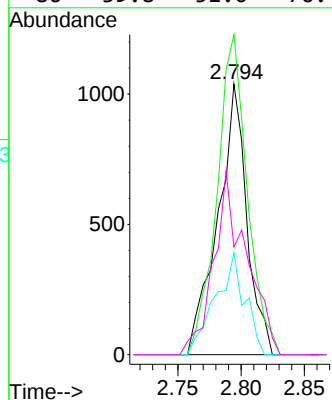
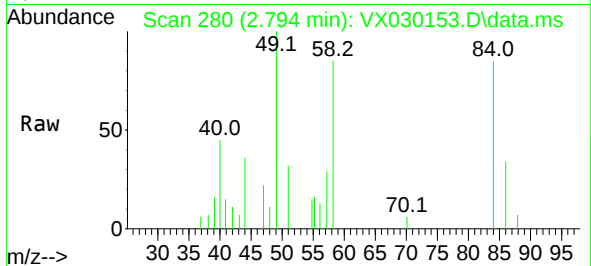




#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030153.D
Acq: 20 Jul 2022 23:51

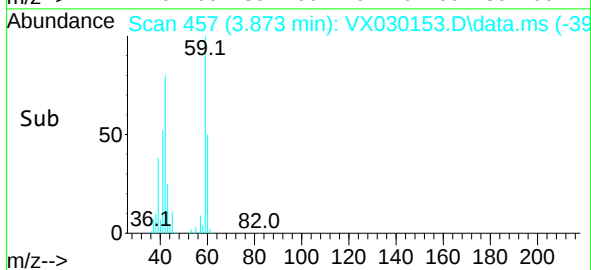
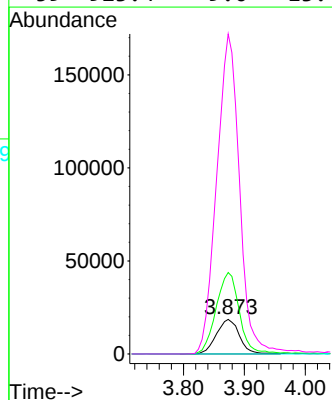
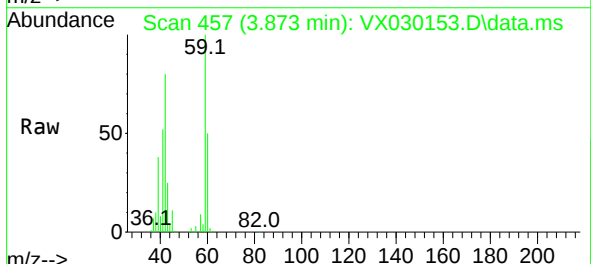
Instrument :
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ClientSampleId :
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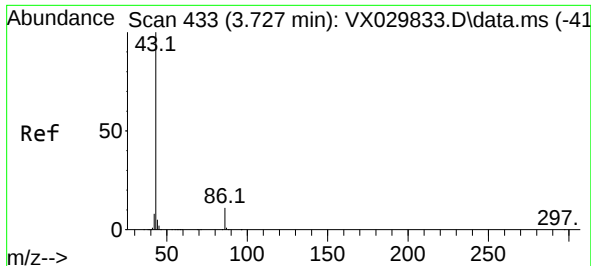
Tgt Ion: 84 Resp: 1655
Ion Ratio Lower Upper
84 100
49 118.3 93.8 140.6
51 37.8 29.4 44.0
86 39.8 51.0 76.4#



#22
Diisopropyl ether
Concen: 7.588 ug/l
RT: 3.873 min Scan# 457
Delta R.T. 0.110 min
Lab File: VX030153.D
Acq: 20 Jul 2022 23:51

Tgt Ion: 45 Resp: 48888
Ion Ratio Lower Upper
45 100
43 234.6 65.4 98.0#
87 0.0 22.3 33.5#
59 923.4 9.0 13.4#

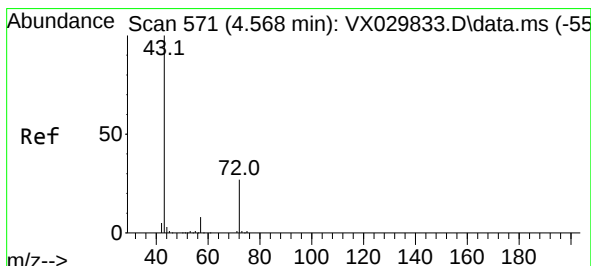
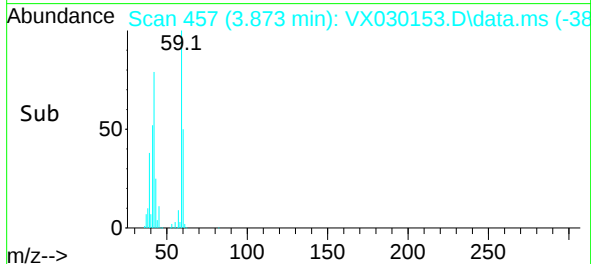
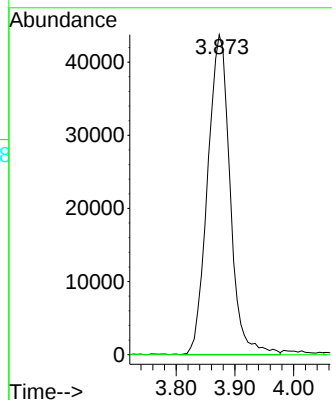
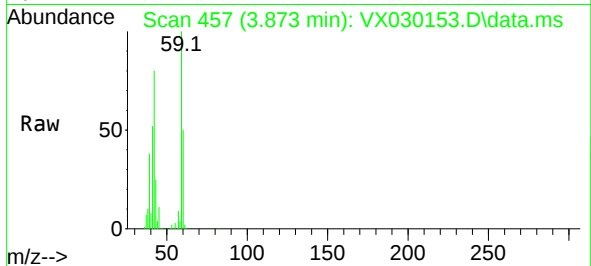




#23
Vinyl Acetate
Concen: 21.335 ug/l
RT: 3.873 min Scan# 41
Delta R.T. 0.146 min
Lab File: VX030153.D
Acq: 20 Jul 2022 23:51

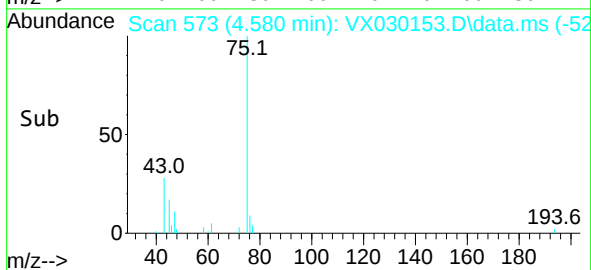
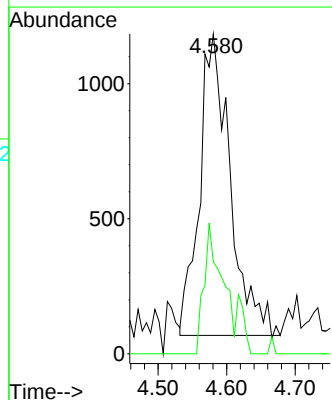
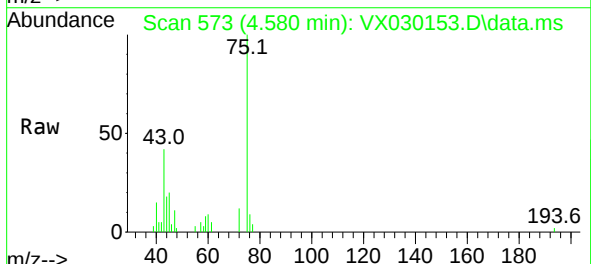
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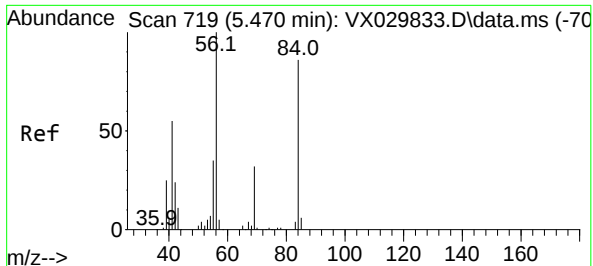
Tgt Ion: 43 Resp: 116359
Ion Ratio Lower Upper
43 100
86 0.0 8.5 12.7#



#25
2-Butanone
Concen: 1.921 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.013 min
Lab File: VX030153.D
Acq: 20 Jul 2022 23:51

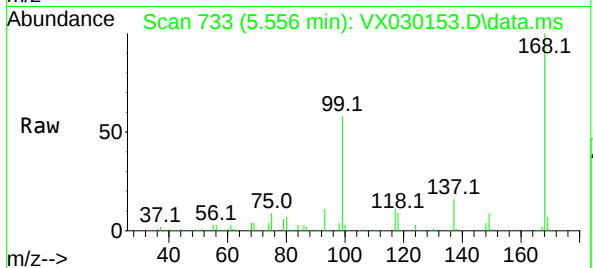
Tgt Ion: 43 Resp: 3470
Ion Ratio Lower Upper
43 100
72 30.5 21.7 32.5



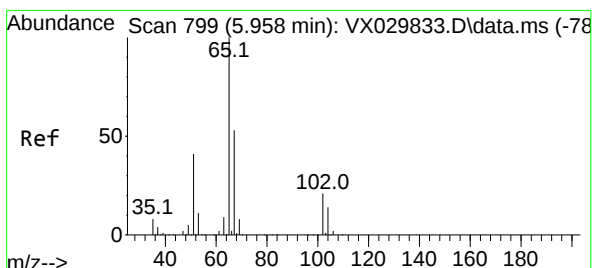
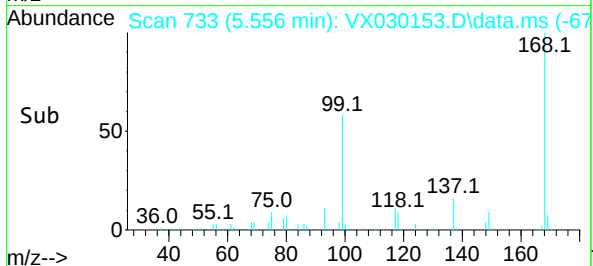
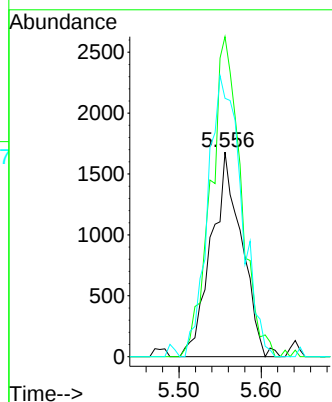


#31
Cyclohexane
Concen: 1.320 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX030153.D
Acq: 20 Jul 2022 23:51

Instrument :
MSVOA_X
ClientSampleId :
ORA-62322

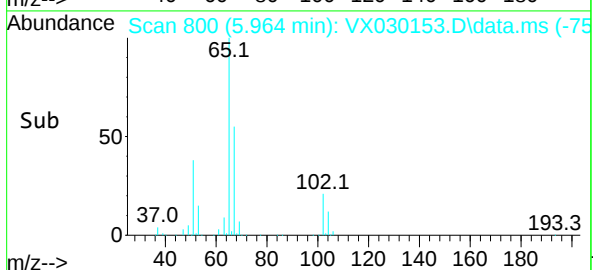
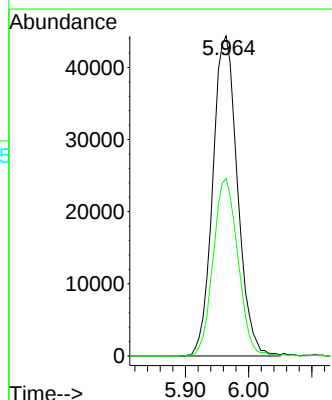
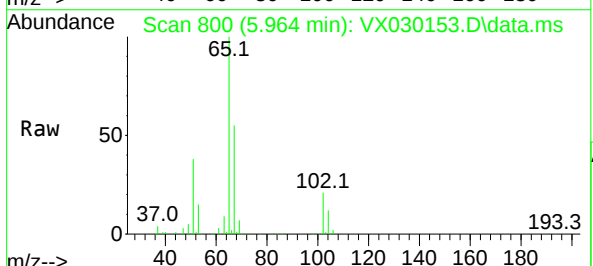


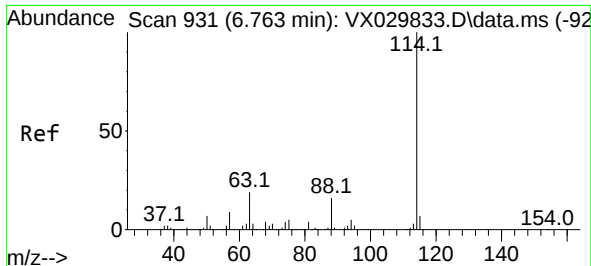
Tgt Ion: 56 Resp: 4305
Ion Ratio Lower Upper
56 100
69 156.4 25.4 38.0#
84 126.3 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 53.443 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX030153.D
Acq: 20 Jul 2022 23:51

Tgt Ion: 65 Resp: 120248
Ion Ratio Lower Upper
65 100
67 55.4 0.0 109.6

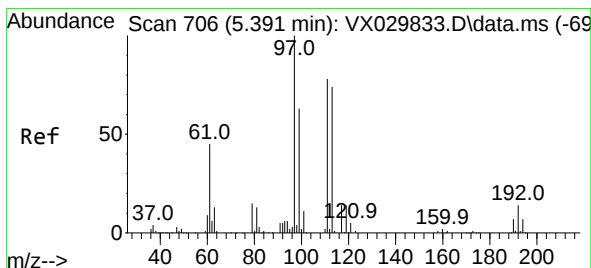
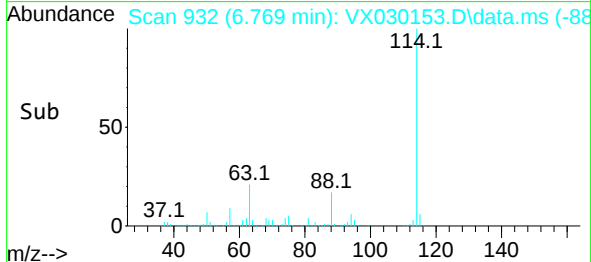
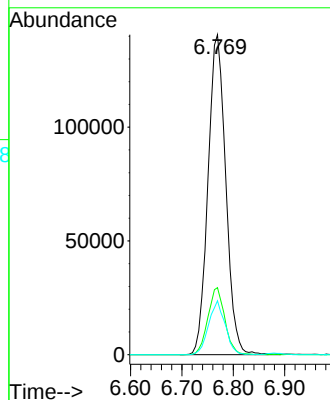
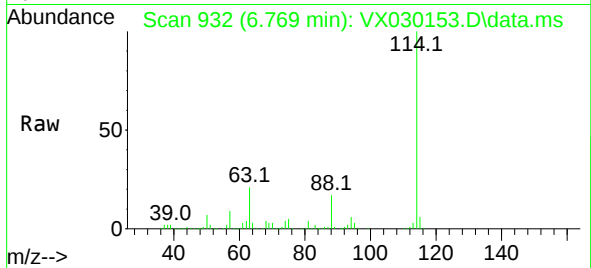




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX030153.D
Acq: 20 Jul 2022 23:51

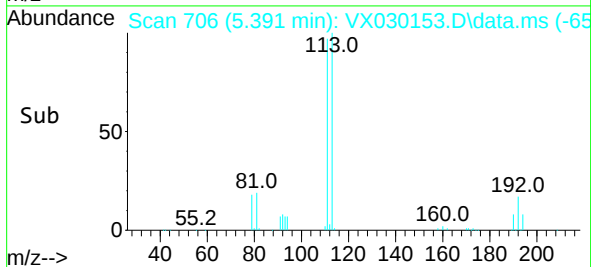
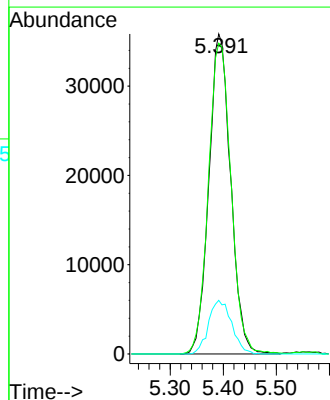
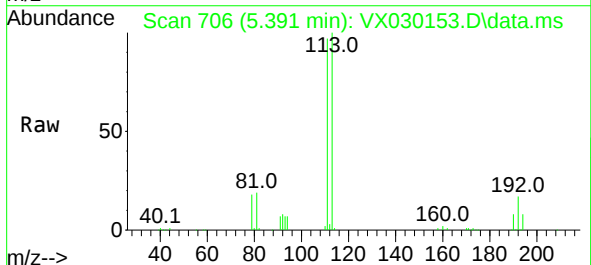
Instrument :
MSVOA_X
ClientSampleId :
ORA-62322

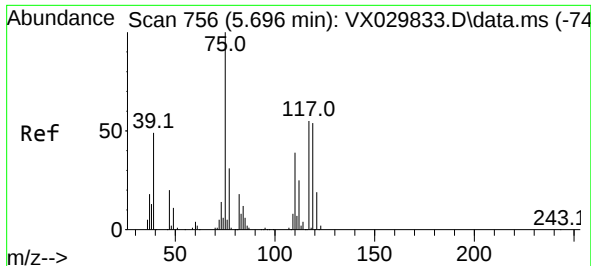
Tgt Ion:114 Resp: 337552
Ion Ratio Lower Upper
114 100
63 21.0 0.0 38.4
88 16.9 0.0 31.8



#35
Dibromofluoromethane
Concen: 47.321 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030153.D
Acq: 20 Jul 2022 23:51

Tgt Ion:113 Resp: 102044
Ion Ratio Lower Upper
113 100
111 101.1 83.2 124.8
192 17.8 14.8 22.2

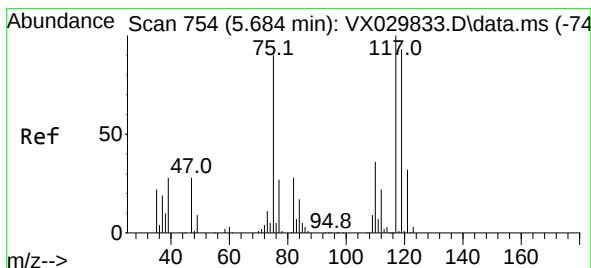
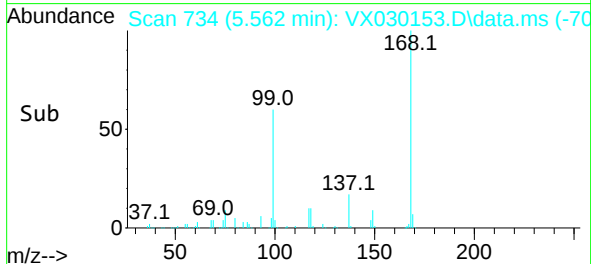
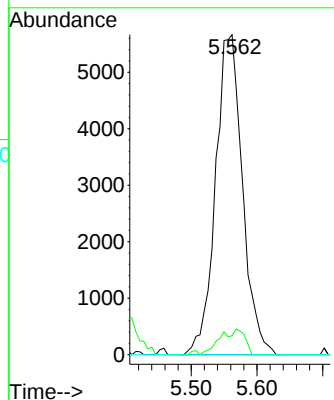
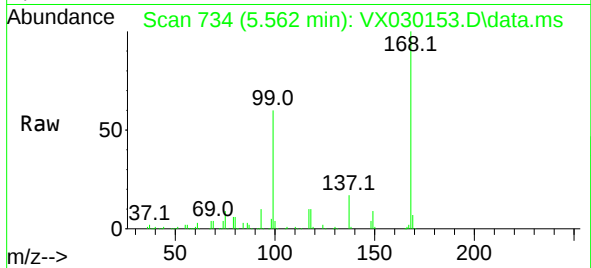




#36
1,1-Dichloropropene
Concen: 5.803 ug/l
RT: 5.562 min Scan# 713
Delta R.T. -0.134 min
Lab File: VX030153.D
Acq: 20 Jul 2022 23:51

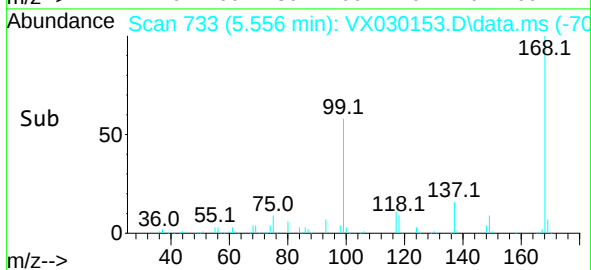
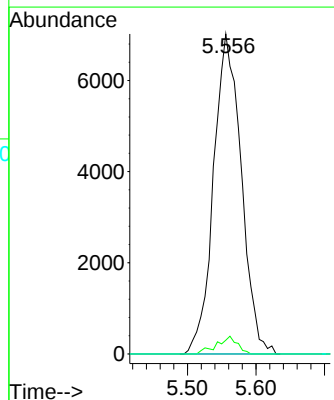
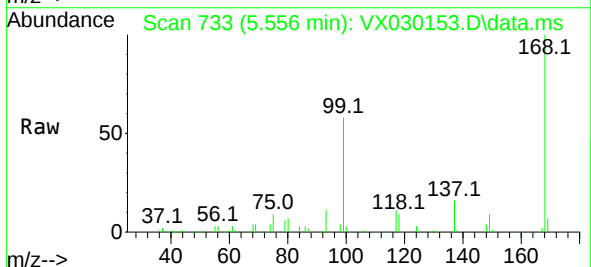
Instrument :
MSVOA_X
ClientSampleId :
ORA-62322

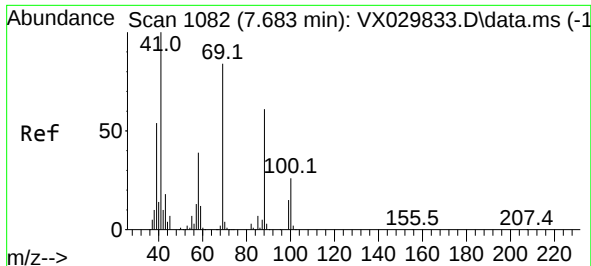
Tgt Ion: 75 Resp: 16164
Ion Ratio Lower Upper
75 100
110 7.4 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 7.585 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX030153.D
Acq: 20 Jul 2022 23:51

Tgt Ion: 117 Resp: 19703
Ion Ratio Lower Upper
117 100
119 4.3 74.1 111.1#
121 0.0 25.8 38.8#





#49

1,4-Dioxane

Concen: 0.682 ug/l

RT: 7.690 min Scan# 1082

Delta R.T. 0.007 min

Lab File: VX030153.D

Acq: 20 Jul 2022 23:51

Instrument :

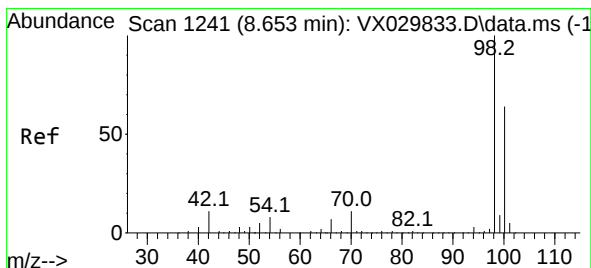
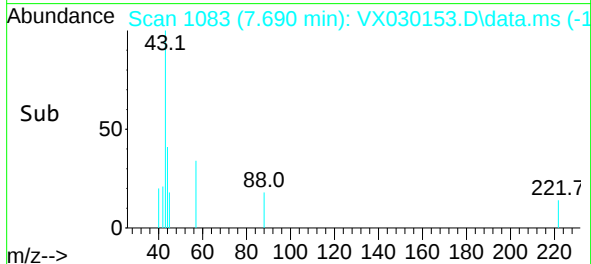
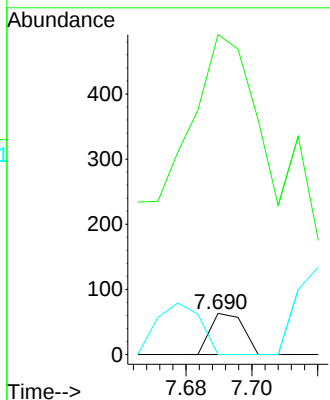
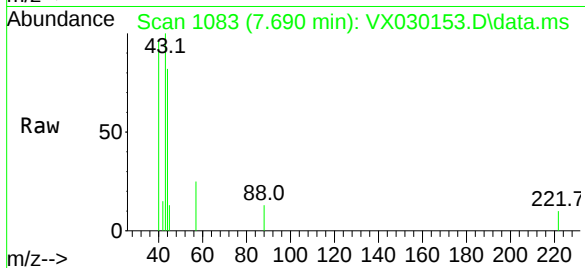
MSVOA_X

ClientSampleId :

ORA-62322

Tgt Ion: 88 Resp: 44

Ion	Ratio	Lower	Upper
88	100		
43	3250.0	23.8	35.8#
58	163.6	53.8	80.6#



#50

Toluene-d8

Concen: 47.532 ug/l

RT: 8.653 min Scan# 1241

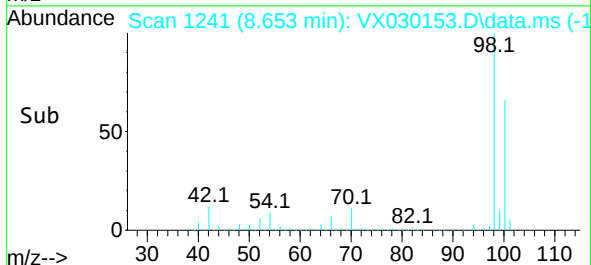
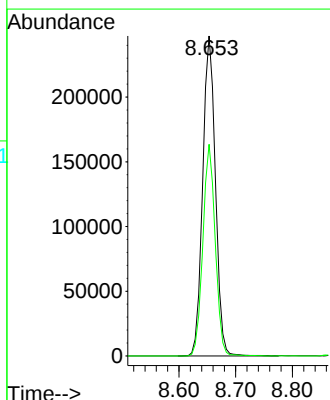
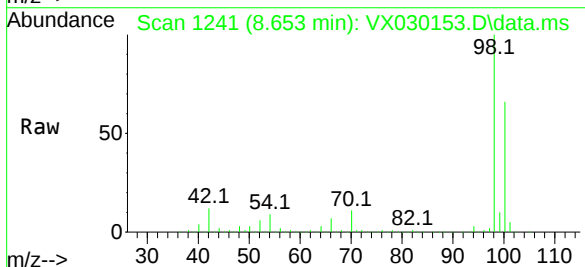
Delta R.T. -0.000 min

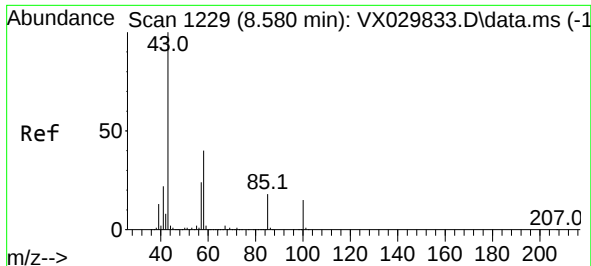
Lab File: VX030153.D

Acq: 20 Jul 2022 23:51

Tgt Ion: 98 Resp: 385491

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.3	78.5

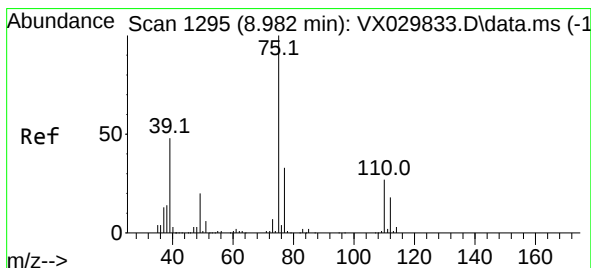
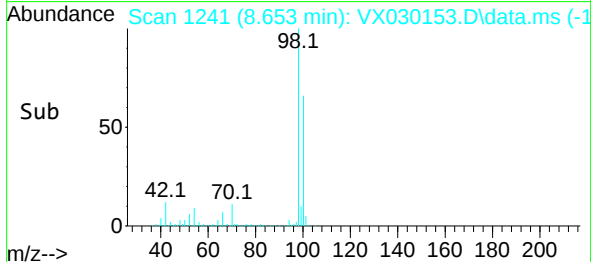
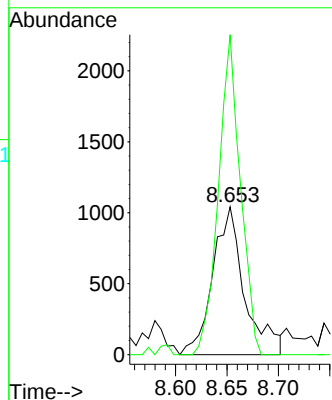
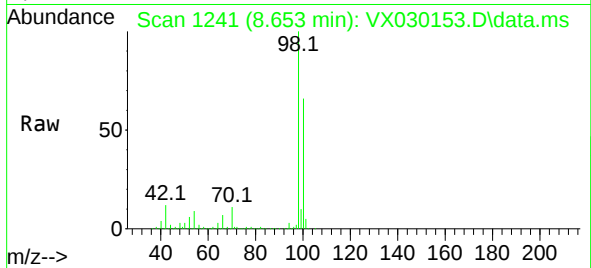




#51
4-Methyl-2-Pentanone
Concen: 0.631 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX030153.D
Acq: 20 Jul 2022 23:51

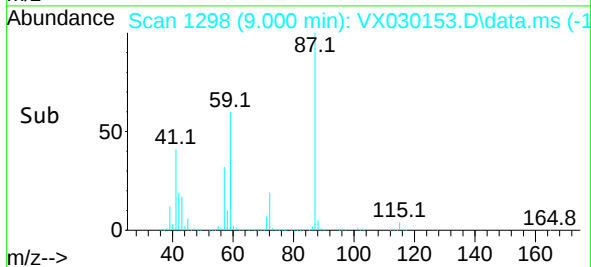
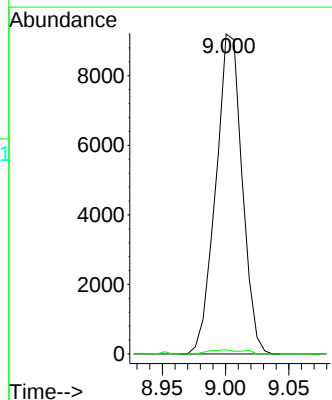
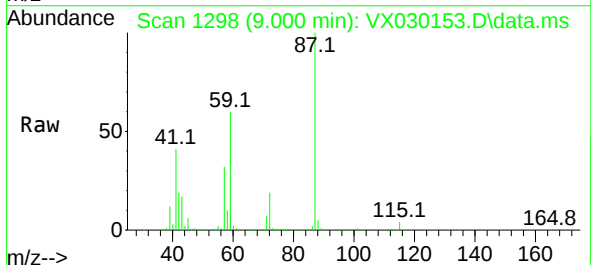
Instrument :
MSVOA_X
ClientSampleId :
ORA-62322

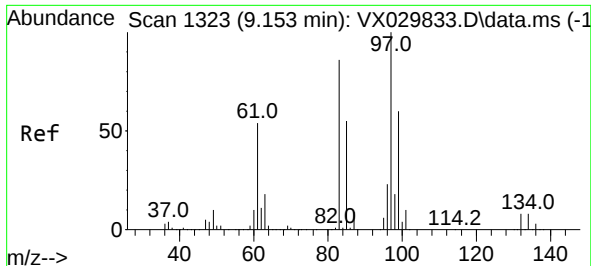
Tgt Ion: 43 Resp: 2246
Ion Ratio Lower Upper
43 100
58 149.2 31.4 47.2#



#53
t-1,3-Dichloropropene
Concen: 4.498 ug/l
RT: 9.000 min Scan# 1298
Delta R.T. 0.018 min
Lab File: VX030153.D
Acq: 20 Jul 2022 23:51

Tgt Ion: 75 Resp: 13297
Ion Ratio Lower Upper
75 100
77 1.3 26.3 39.5#



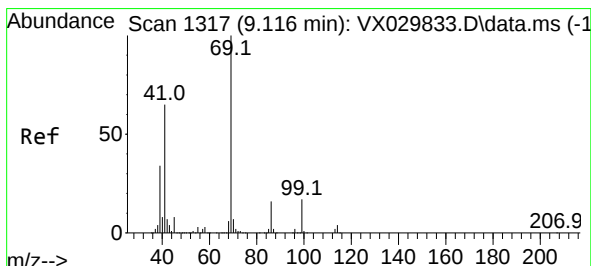
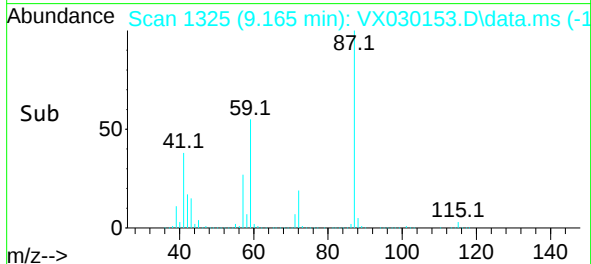
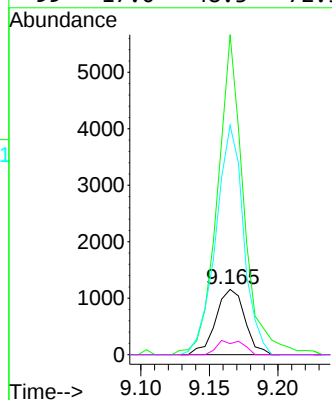
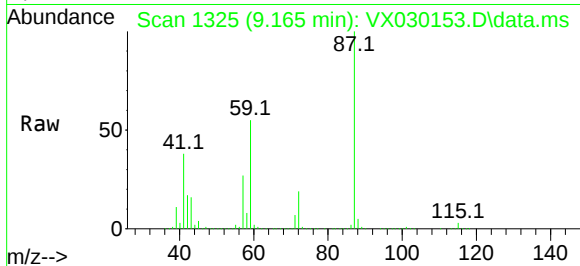


#55
1,1,2-Trichloroethane
Concen: 0.744 ug/l
RT: 9.165 min Scan# 1325
Delta R.T. 0.012 min
Lab File: VX030153.D
Acq: 20 Jul 2022 23:51

Instrument :
MSVOA_X
ClientSampleId :
ORA-62322

Tgt Ion: 97 Resp: 1707

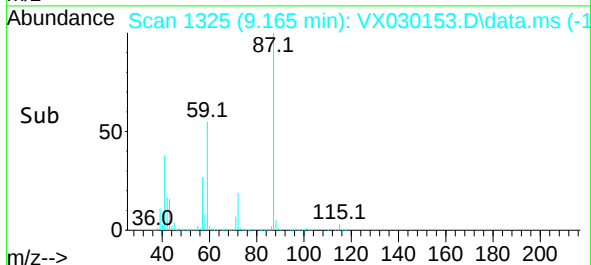
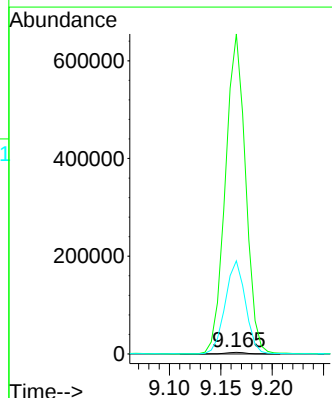
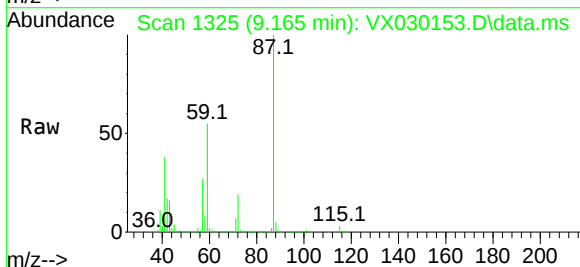
Ion	Ratio	Lower	Upper
97	100		
83	483.1	68.9	103.3#
85	351.3	44.0	66.0#
99	17.0	48.3	72.5#

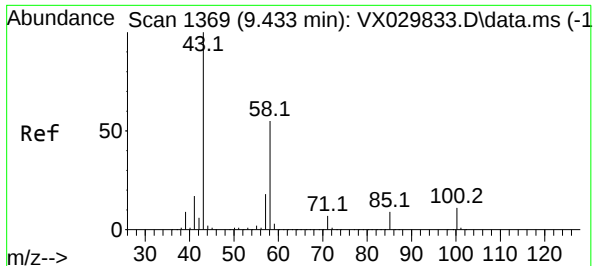


#56
Ethyl methacrylate
Concen: 1.422 ug/l
RT: 9.165 min Scan# 1325
Delta R.T. 0.049 min
Lab File: VX030153.D
Acq: 20 Jul 2022 23:51

Tgt Ion: 69 Resp: 4909

Ion	Ratio	Lower	Upper
69	100		
41	18239.5	52.3	78.5#
39	5311.7	28.2	42.4#

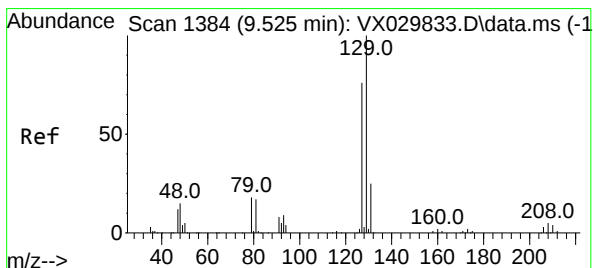
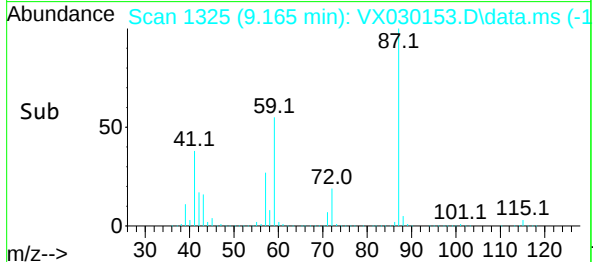
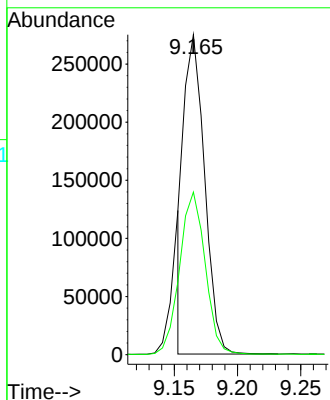
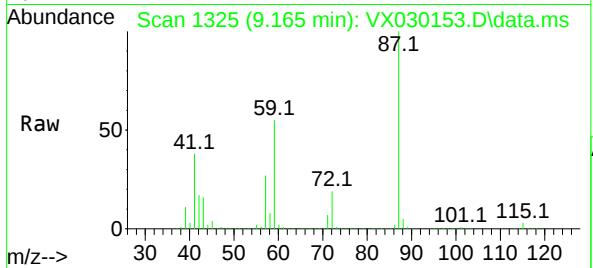




#59
2-Hexanone
Concen: 113.355 ug/l
RT: 9.165 min Scan# 11
Delta R.T. -0.268 min
Lab File: VX030153.D
Acq: 20 Jul 2022 23:51

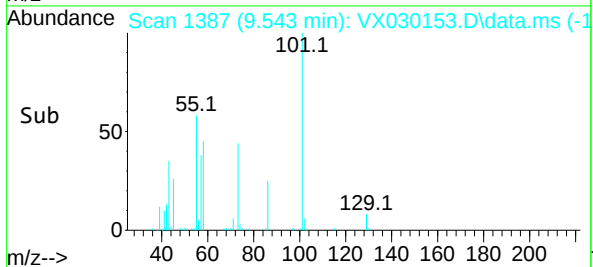
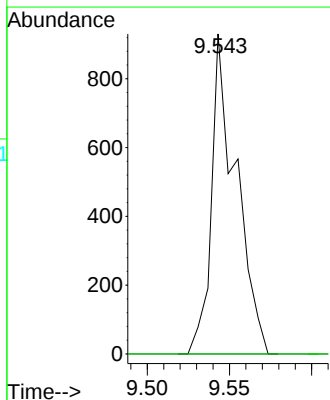
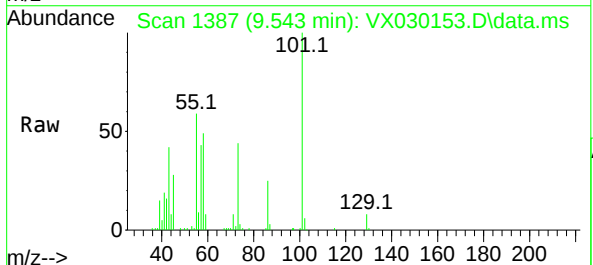
Instrument :
MSVOA_X
ClientSampleId :
ORA-62322

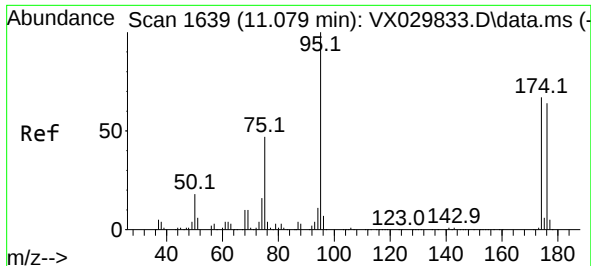
Tgt Ion: 43 Resp: 309590
Ion Ratio Lower Upper
43 100
58 52.6 27.6 82.8



#60
Dibromochloromethane
Concen: 0.432 ug/l
RT: 9.543 min Scan# 1387
Delta R.T. 0.018 min
Lab File: VX030153.D
Acq: 20 Jul 2022 23:51

Tgt Ion:129 Resp: 966
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#





#62

4-Bromofluorobenzene

Concen: 47.283 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX030153.D

Acq: 20 Jul 2022 23:51

Instrument :

MSVOA_X

ClientSampleId :

ORA-62322

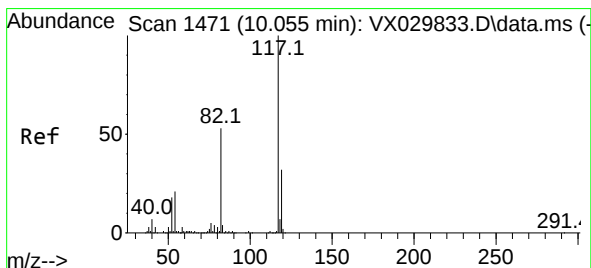
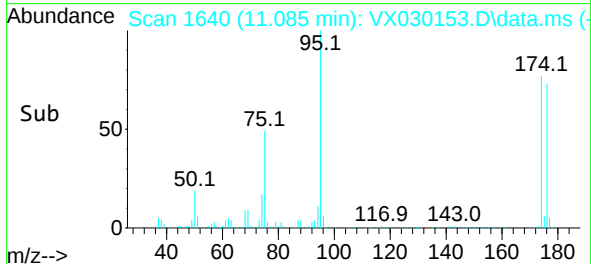
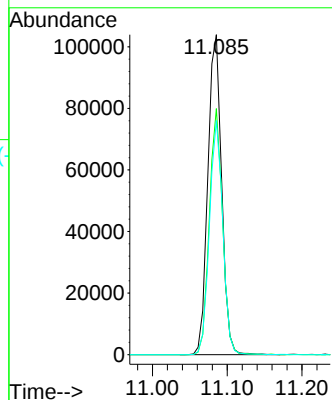
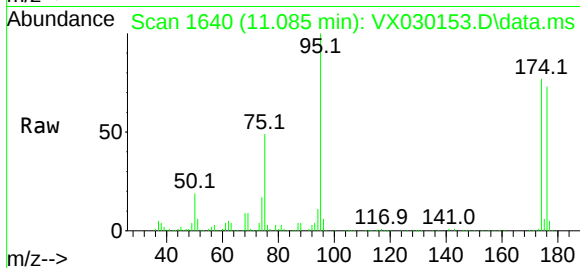
Tgt Ion: 95 Resp: 133077

Ion Ratio Lower Upper

95 100

174 73.7 0.0 149.0

176 70.9 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: VX030153.D

Acq: 20 Jul 2022 23:51

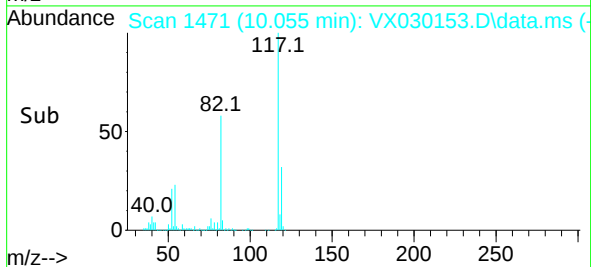
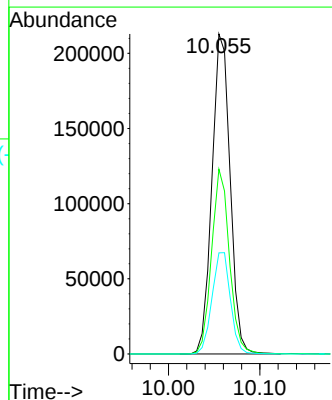
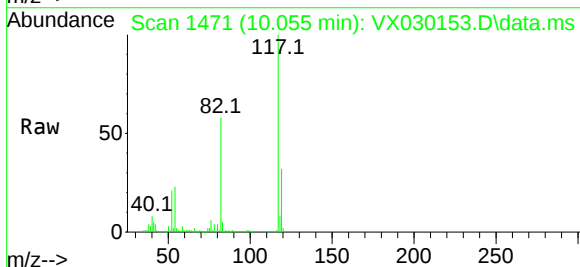
Tgt Ion: 117 Resp: 293192

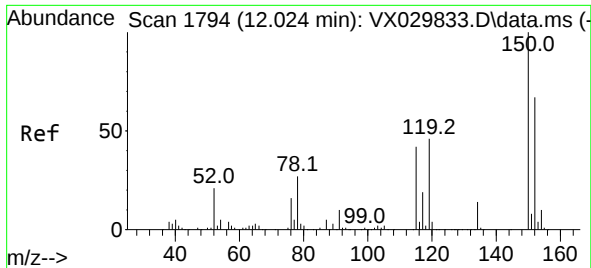
Ion Ratio Lower Upper

117 100

82 57.7 42.7 64.1

119 31.6 25.4 38.2

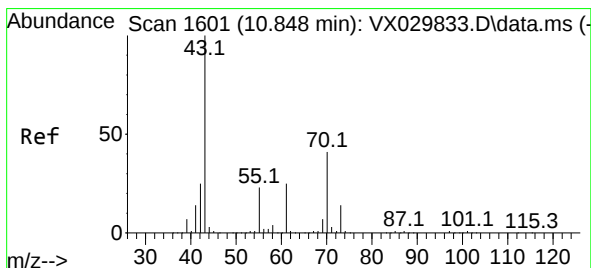
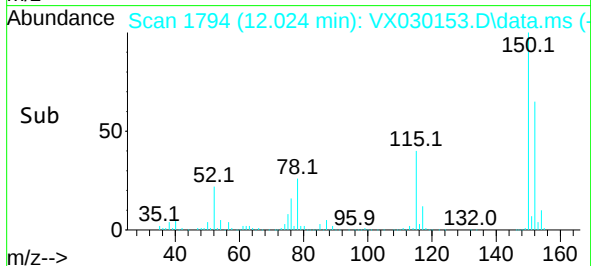
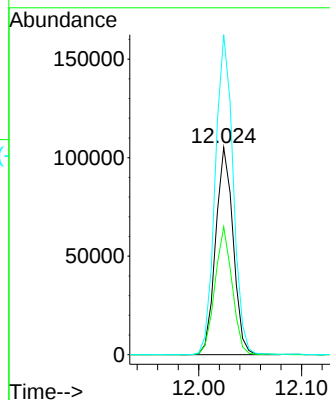
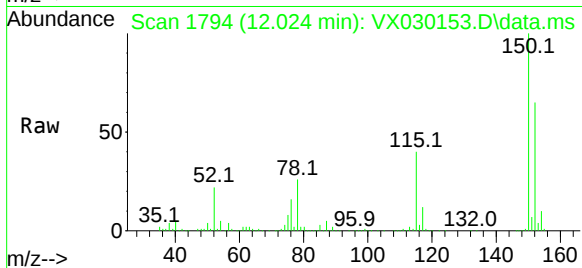




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030153.D
Acq: 20 Jul 2022 23:51

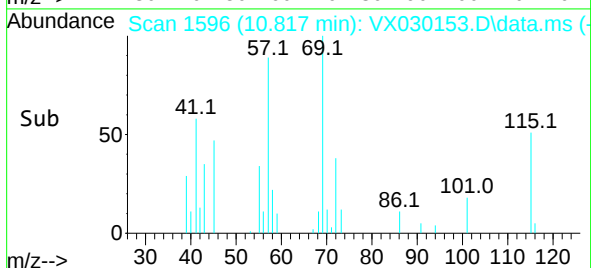
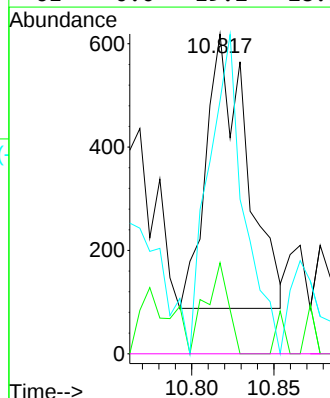
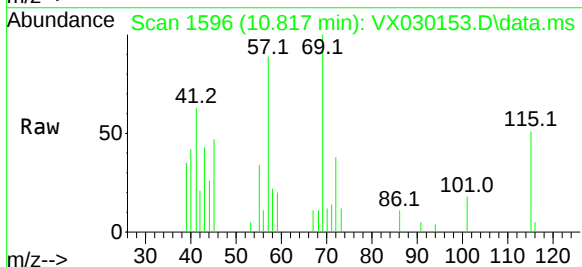
Instrument :
MSVOA_X
ClientSampleId :
ORA-62322

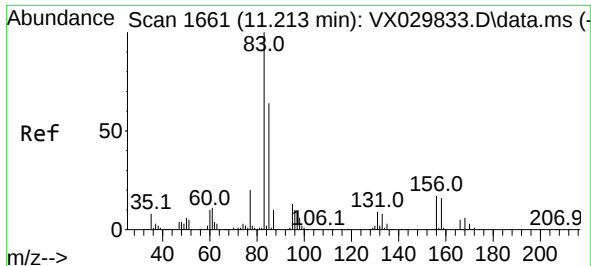
Tgt Ion:152 Resp: 124149
Ion Ratio Lower Upper
152 100
115 60.4 40.5 121.5
150 157.9 0.0 347.0



#74
N-ethyl acetate
Concen: 0.239 ug/l
RT: 10.817 min Scan# 1596
Delta R.T. -0.031 min
Lab File: VX030153.D
Acq: 20 Jul 2022 23:51

Tgt Ion: 43 Resp: 909
Ion Ratio Lower Upper
43 100
70 18.6 32.3 48.5#
55 100.6 18.4 27.6#
61 0.0 19.2 28.8#

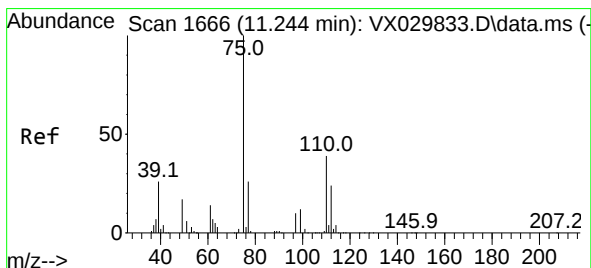
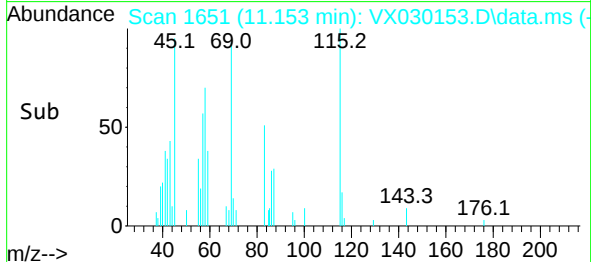
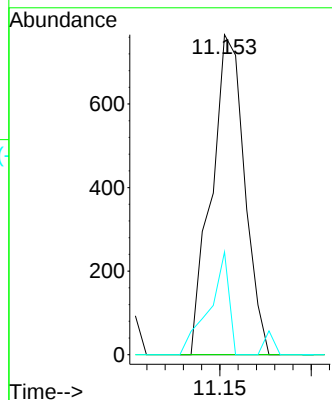
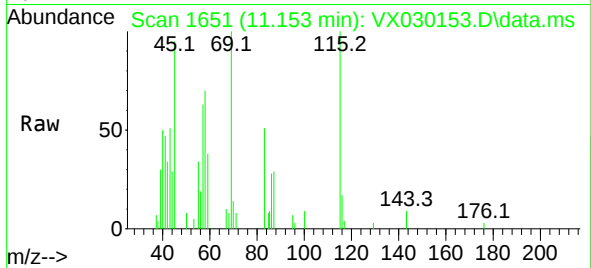




#75
1,1,2-Tetrachloroethane
Concen: 0.309 ug/l
RT: 11.153 min Scan# 11
Delta R.T. -0.060 min
Lab File: VX030153.D
Acq: 20 Jul 2022 23:51

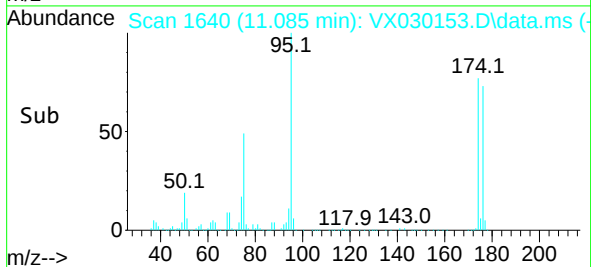
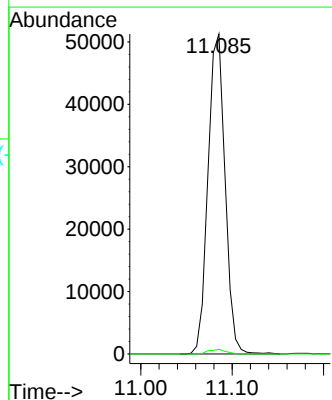
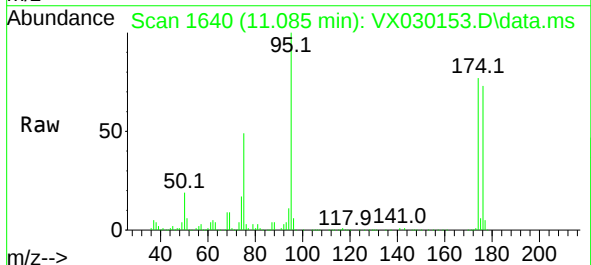
Instrument :
MSVOA_X
ClientSampleId :
ORA-62322

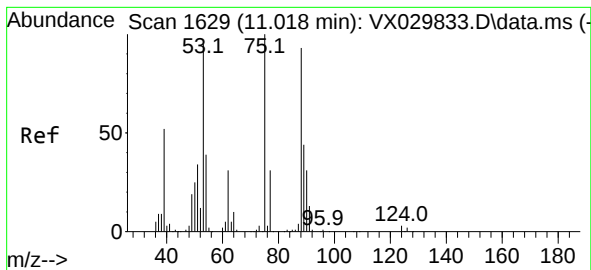
Tgt Ion: 83 Resp: 963
Ion Ratio Lower Upper
83 100
131 0.0 4.5 13.7#
85 19.2 32.5 97.5#



#76
1,2,3-Trichloropropane
Concen: 23.284 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX030153.D
Acq: 20 Jul 2022 23:51

Tgt Ion: 75 Resp: 66462
Ion Ratio Lower Upper
75 100
77 1.4 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.196 ug/l
 RT: 11.085 min Scan# 11
 Delta R.T. 0.067 min
 Lab File: VX030153.D
 Acq: 20 Jul 2022 23:51

Instrument :
 MSVOA_X
 ClientSampleId :
 ORA-62322

Tgt Ion: 75 Resp: 66462
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.2 111.4#
 89 0.0 34.8 52.2#

