

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072122\
 Data File : VX030152.D
 Acq On : 20 Jul 2022 23:28
 Operator : JC/MD
 Sample : N3781-03 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ORA-0020

Quant Time: Jul 21 03:35:09 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)

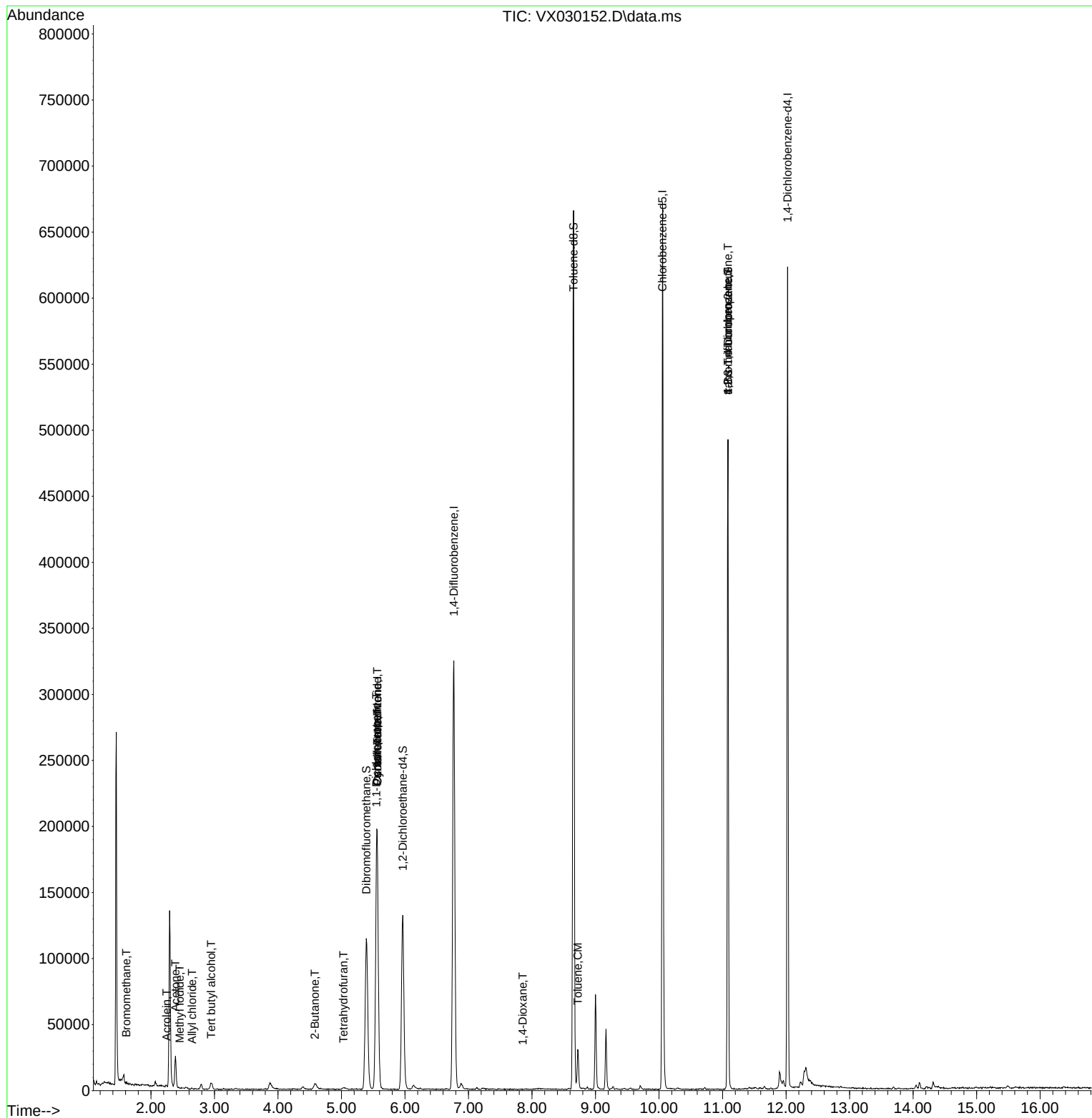
Internal Standards						
1) Pentafluorobenzene	5.562	168	186615	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	335970	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	294938	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	124045	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	121060	53.296	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.600%			
35) Dibromofluoromethane	5.391	113	100905	47.013	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.020%			
50) Toluene-d8	8.653	98	391488	48.499	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.000%			
62) 4-Bromofluorobenzene	11.085	95	130537	46.599	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.200%			
Target Compounds						Qvalue
5) Bromomethane	1.611	94	184	0.201	ug/l #	41
10) Methyl Iodide	2.453	142	337	2.579	ug/l #	83
11) Tert butyl alcohol	2.946	59	3241	5.529	ug/l #	80
13) Acrolein	2.245	56	788	6.749	ug/l	89
14) Allyl chloride	2.648	41	718	0.216	ug/l #	27
16) Acetone	2.386	43	24733	23.108	ug/l	96
17) Carbon Disulfide	2.514	76	489	Below Cal	#	74
20) Methylene Chloride	2.788	84	1734	Below Cal	#	88
25) 2-Butanone	4.580	43	2242	1.230	ug/l #	78
29) Tetrahydrofuran	5.031	42	299	0.242	ug/l #	61
31) Cyclohexane	5.562	56	4327	1.314	ug/l #	23
36) 1,1-Dichloropropene	5.550	75	15274	5.509	ug/l #	49
38) Carbon Tetrachloride	5.562	117	18505	7.158	ug/l #	18
49) 1,4-Dioxane	7.854	88	25	0.389	ug/l #	1
52) Toluene	8.720	92	11340	2.047	ug/l	98
76) 1,2,3-Trichloropropane	11.085	75	62727	21.994	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	62727	63.473	ug/l #	13

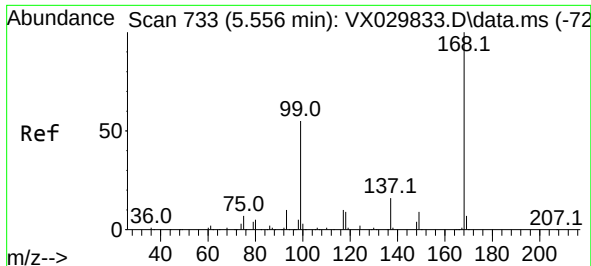
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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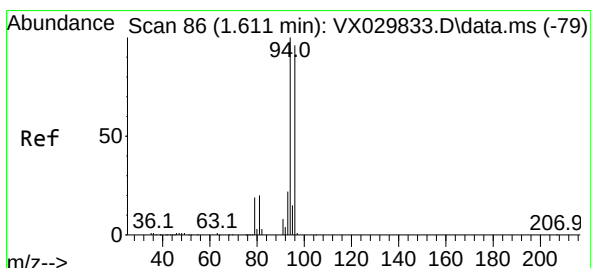
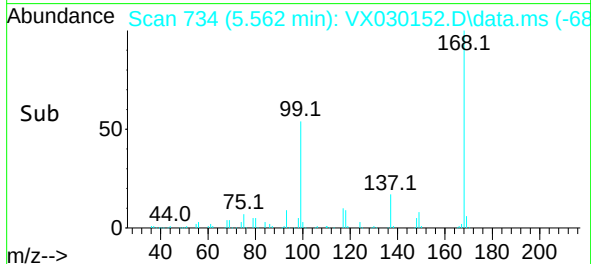
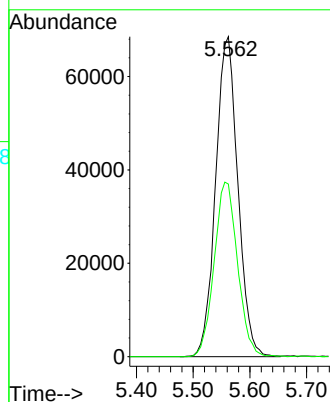
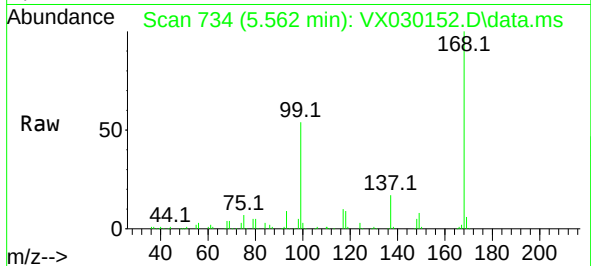




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030152.D
Acq: 20 Jul 2022 23:28

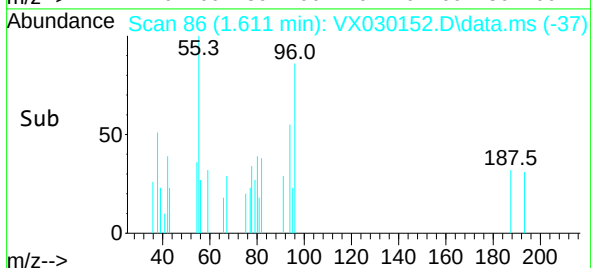
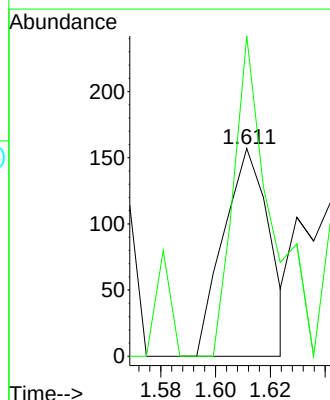
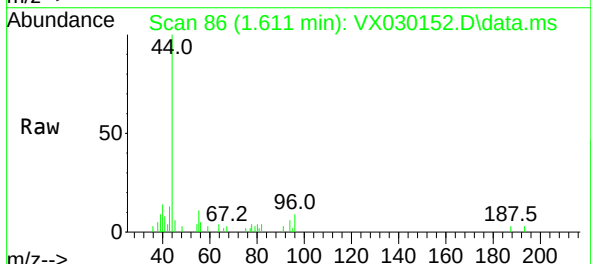
Instrument :
MSVOA_X
ClientSampleId :
ORA-0020

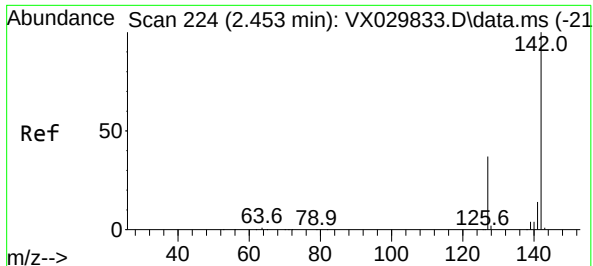
Tgt Ion:168 Resp: 186615
Ion Ratio Lower Upper
168 100
99 54.0 44.0 66.0



#5
Bromomethane
Concen: 0.201 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX030152.D
Acq: 20 Jul 2022 23:28

Tgt Ion: 94 Resp: 184
Ion Ratio Lower Upper
94 100
96 154.1 76.9 115.3#

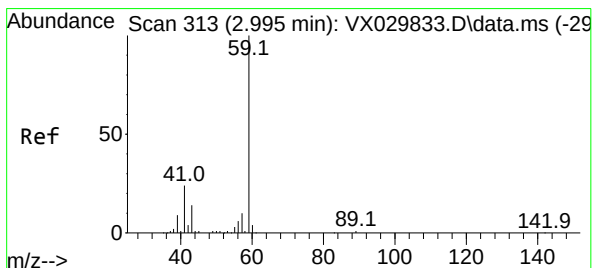
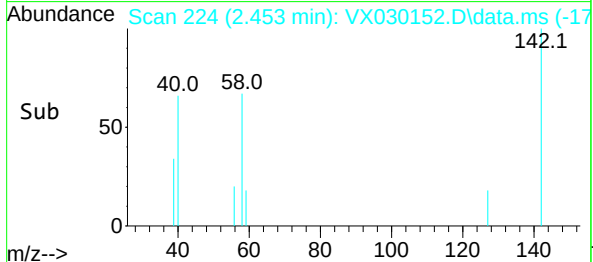
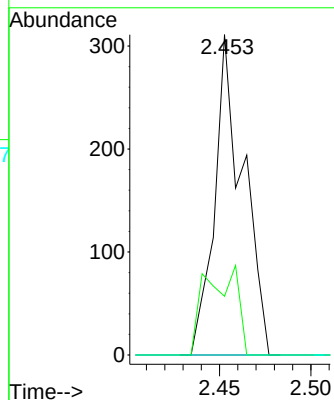
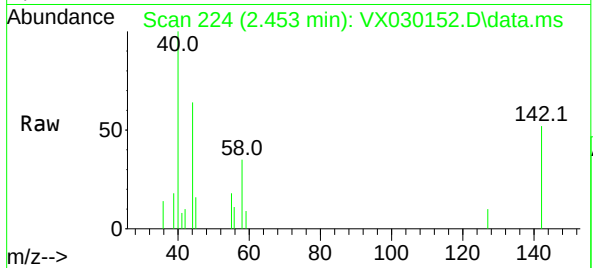




#10
Methyl Iodide
Concen: 2.579 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX030152.D
Acq: 20 Jul 2022 23:28

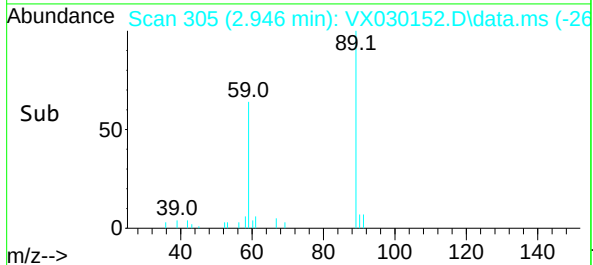
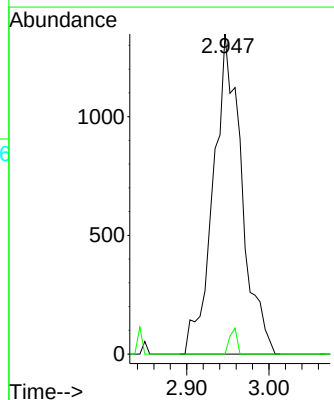
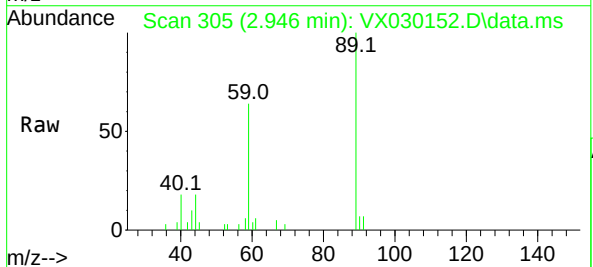
Instrument :
MSVOA_X
ClientSampleId :
ORA-0020

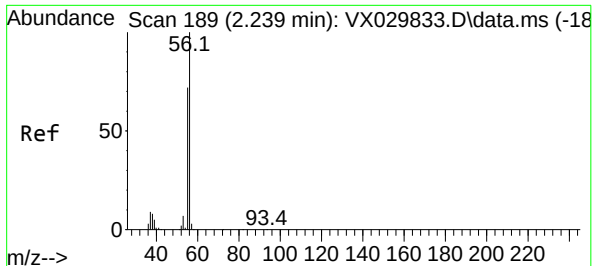
Tgt Ion:142 Resp: 337
Ion Ratio Lower Upper
142 100
127 31.5 30.2 45.2
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 5.529 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.049 min
Lab File: VX030152.D
Acq: 20 Jul 2022 23:28

Tgt Ion: 59 Resp: 3241
Ion Ratio Lower Upper
59 100
57 2.1 7.4 11.2#





#13

Acrolein

Concen: 6.749 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.006 min

Lab File: VX030152.D

Acq: 20 Jul 2022 23:28

Instrument :

MSVOA_X

ClientSampleId :

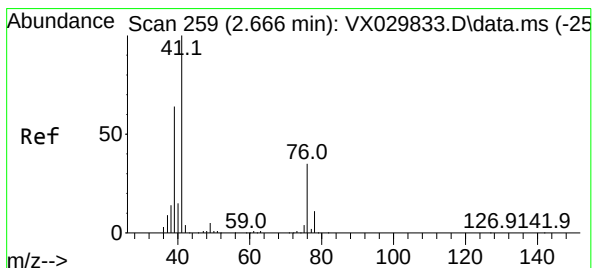
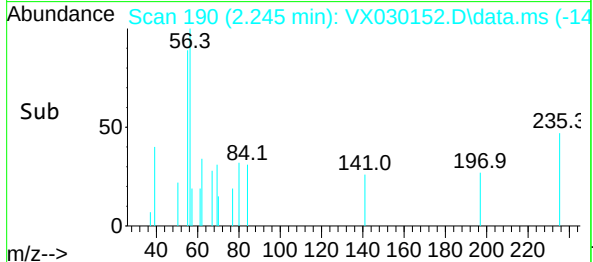
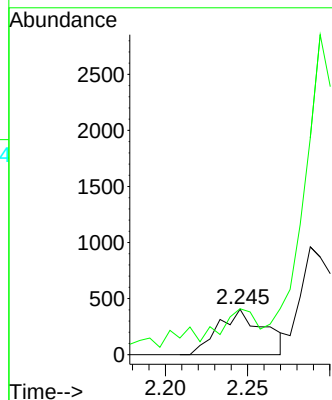
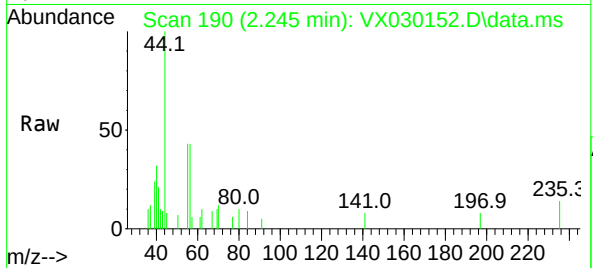
ORA-0020

Tgt Ion: 56 Resp: 788

Ion Ratio Lower Upper

56 100

55 61.8 56.6 84.8



#14

Allyl chloride

Concen: 0.216 ug/l

RT: 2.648 min Scan# 256

Delta R.T. -0.018 min

Lab File: VX030152.D

Acq: 20 Jul 2022 23:28

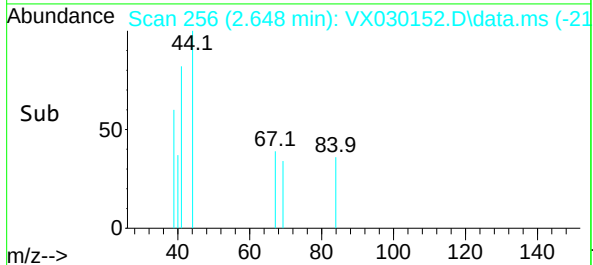
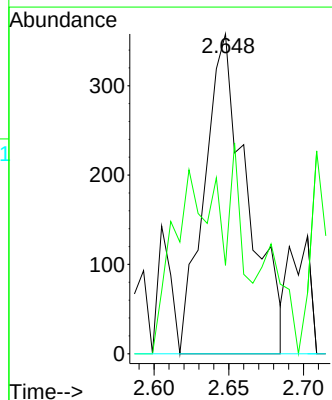
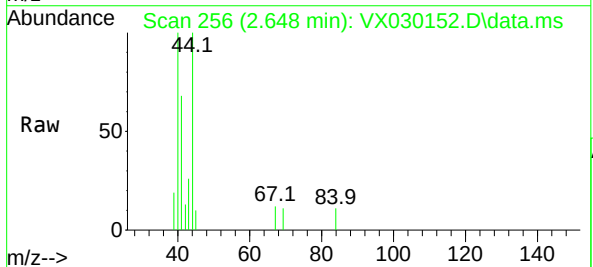
Tgt Ion: 41 Resp: 718

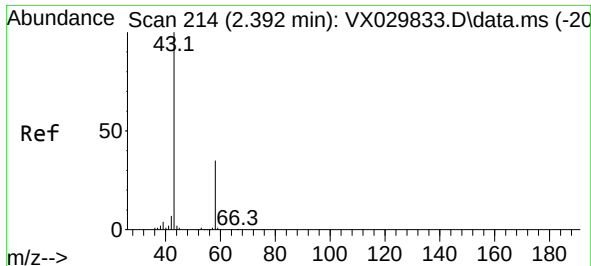
Ion Ratio Lower Upper

41 100

39 0.0 48.9 73.3#

76 0.0 26.9 40.3#

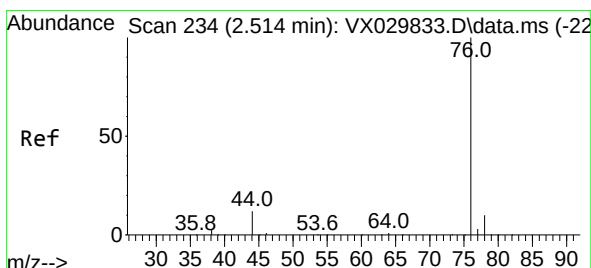
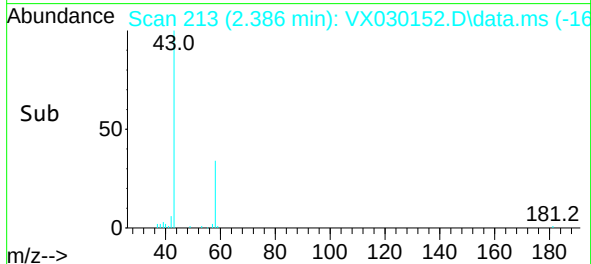
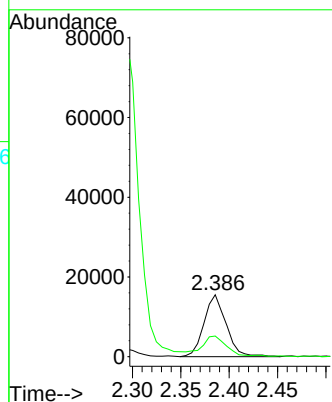
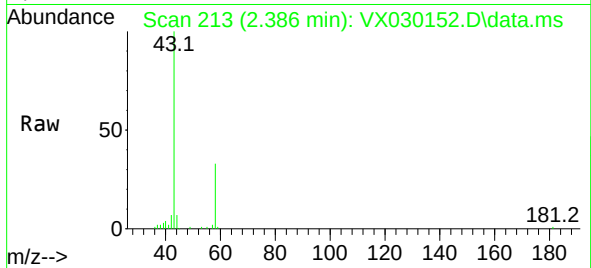




#16
Acetone
Concen: 23.108 ug/l
RT: 2.386 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX030152.D
Acq: 20 Jul 2022 23:28

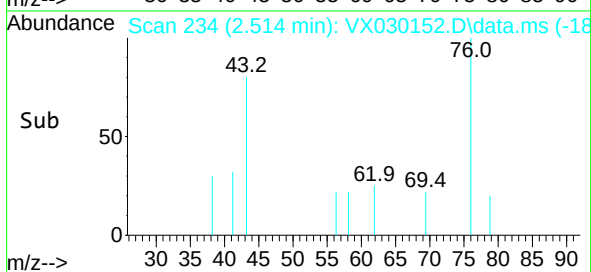
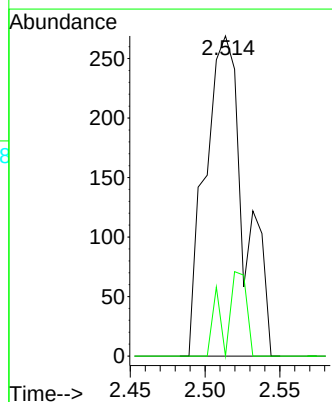
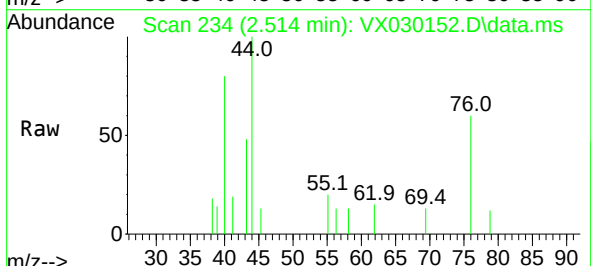
Instrument :
MSVOA_X
ClientSampleId :
ORA-0020

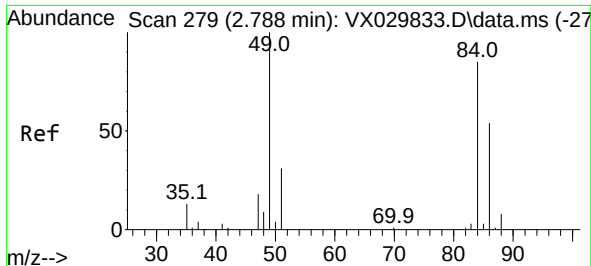
Tgt Ion: 43 Resp: 24733
Ion Ratio Lower Upper
43 100
58 32.1 27.7 41.5



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX030152.D
Acq: 20 Jul 2022 23:28

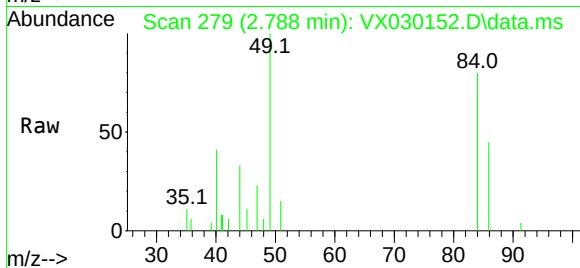
Tgt Ion: 76 Resp: 489
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



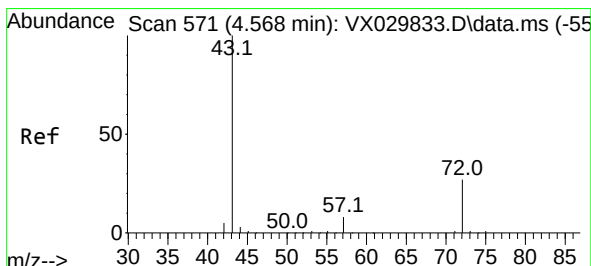
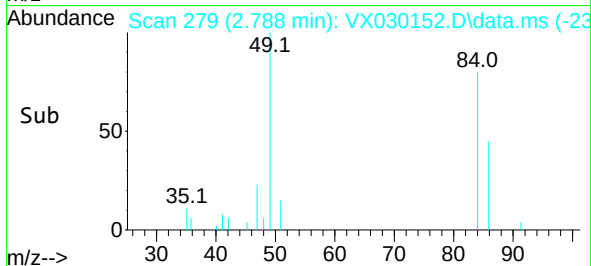
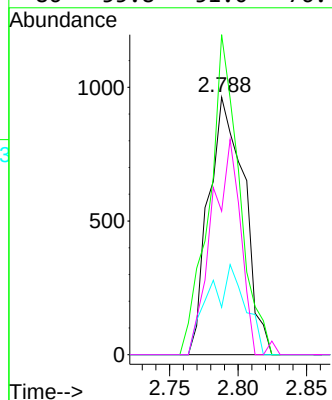


#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX030152.D
Acq: 20 Jul 2022 23:28

Instrument :
MSVOA_X
ClientSampleId :
ORA-0020

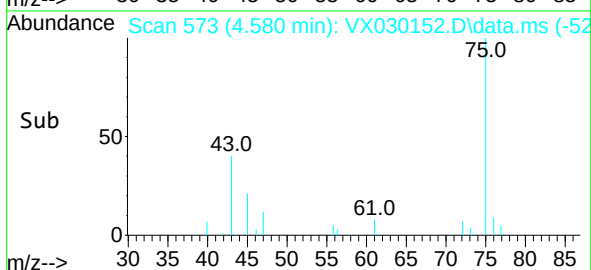
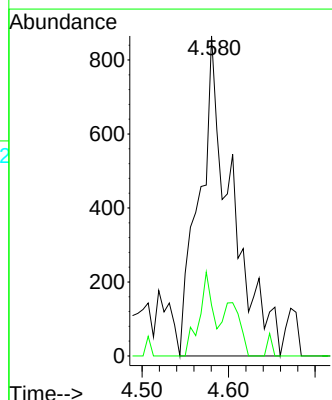
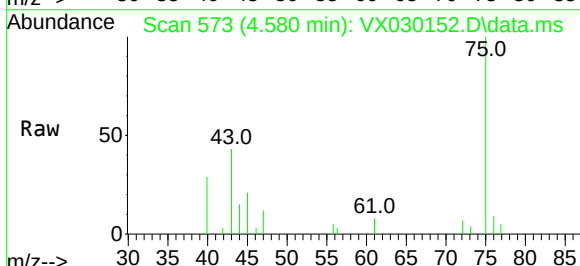


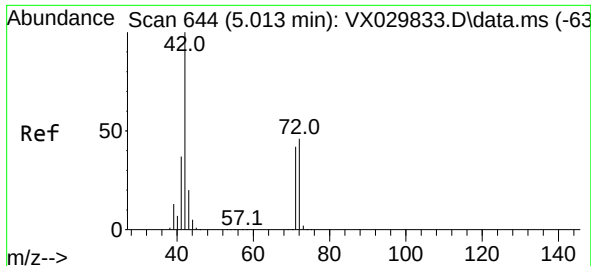
Tgt Ion:	84	Resp:	1734
Ion	Ratio	Lower	Upper
84	100		
49	124.3	93.8	140.6
51	18.4	29.4	44.0#
86	55.8	51.0	76.4



#25
2-Butanone
Concen: 1.230 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX030152.D
Acq: 20 Jul 2022 23:28

Tgt Ion:	43	Resp:	2242
Ion	Ratio	Lower	Upper
43	100		
72	15.8	21.7	32.5#





#29

Tetrahydrofuran

Concen: 0.242 ug/l

RT: 5.031 min Scan# 64

Delta R.T. 0.018 min

Lab File: VX030152.D

Acq: 20 Jul 2022 23:28

Instrument :

MSVOA_X

ClientSampleId :

ORA-0020

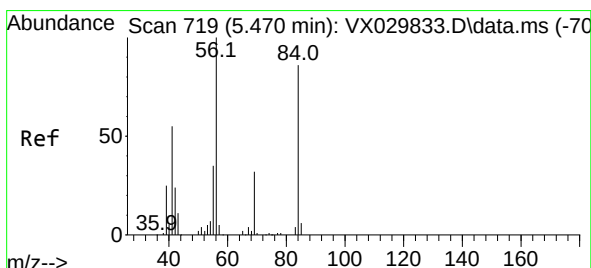
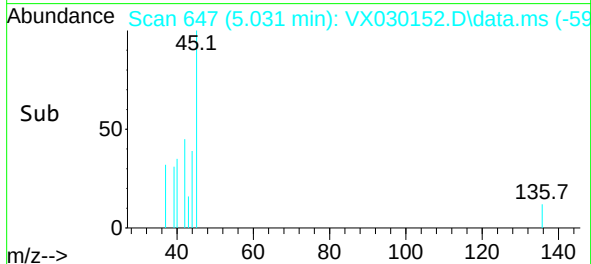
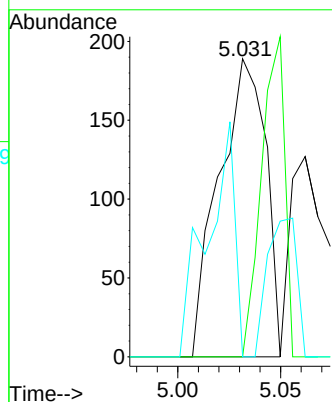
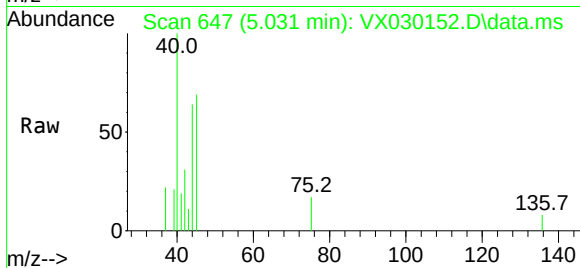
Tgt Ion: 42 Resp: 299

Ion Ratio Lower Upper

42 100

72 0.0 36.5 54.7#

71 46.8 33.9 50.9



#31

Cyclohexane

Concen: 1.314 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.092 min

Lab File: VX030152.D

Acq: 20 Jul 2022 23:28

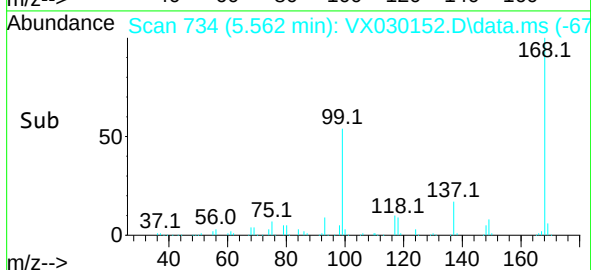
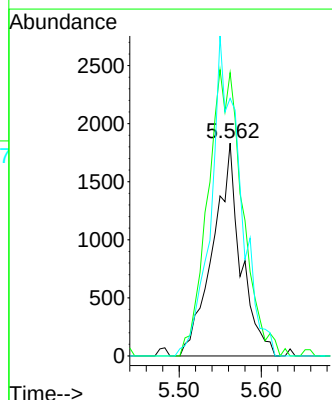
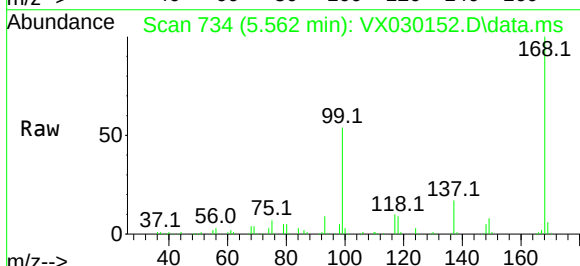
Tgt Ion: 56 Resp: 4327

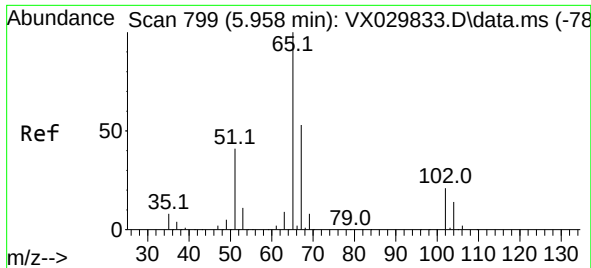
Ion Ratio Lower Upper

56 100

69 133.2 25.4 38.0#

84 121.1 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 53.296 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

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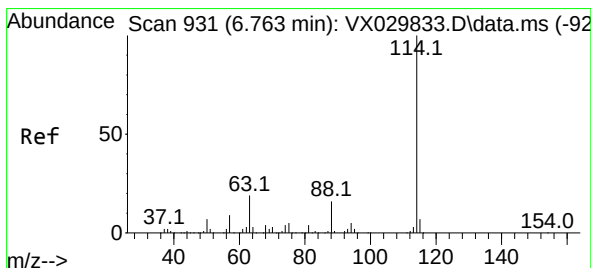
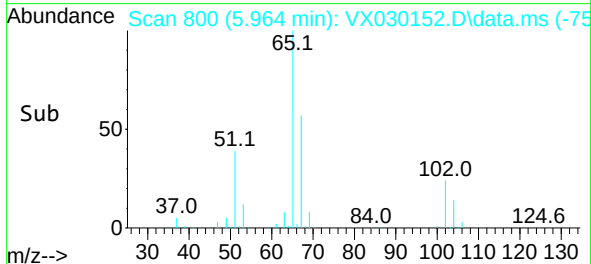
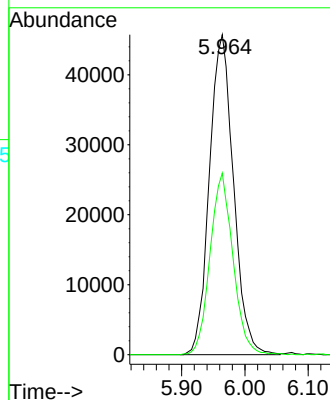
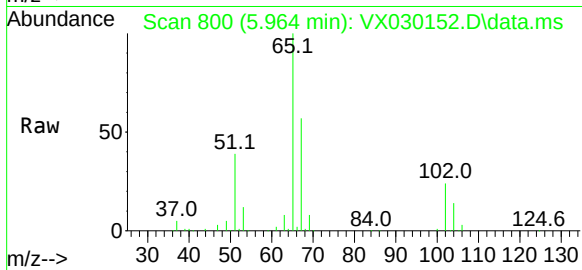
ORA-0020

Tgt Ion: 65 Resp: 121060

Ion Ratio Lower Upper

65 100

67 54.0 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX030152.D

Acq: 20 Jul 2022 23:28

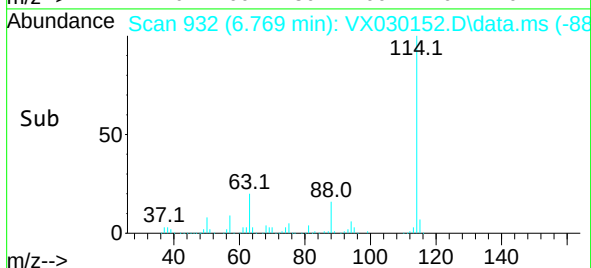
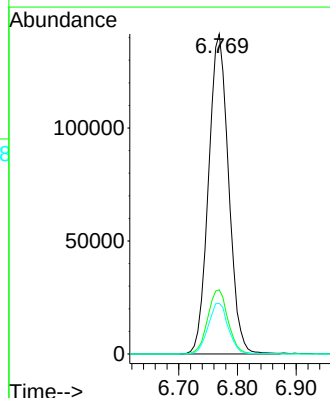
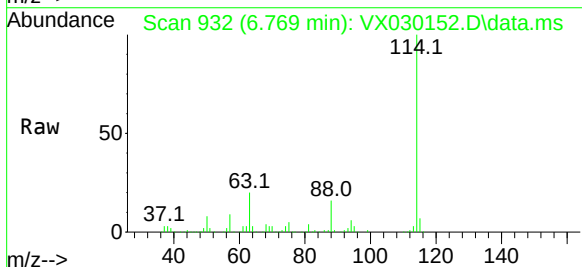
Tgt Ion: 114 Resp: 335970

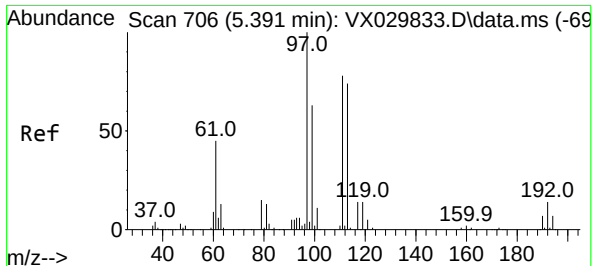
Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.4

88 15.8 0.0 31.8





#35

Dibromofluoromethane

Concen: 47.013 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030152.D

Acq: 20 Jul 2022 23:28

Instrument :

MSVOA_X

ClientSampleId :

ORA-0020

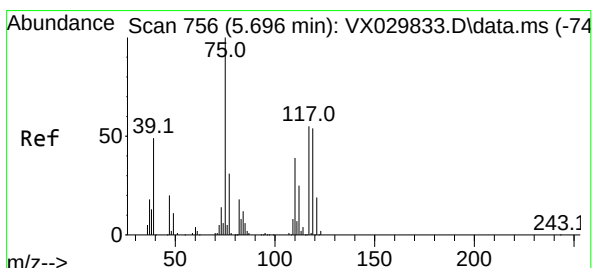
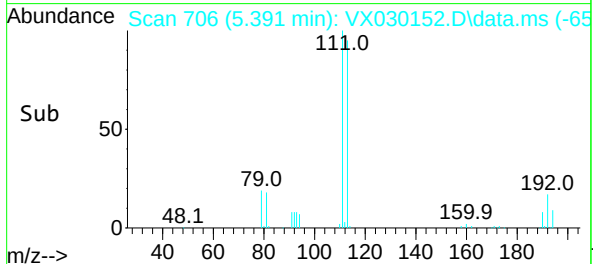
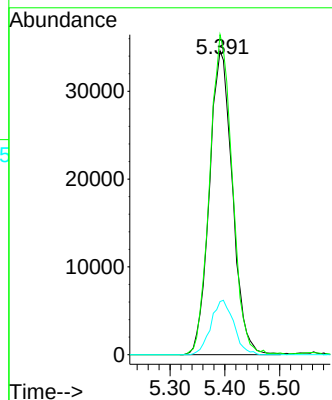
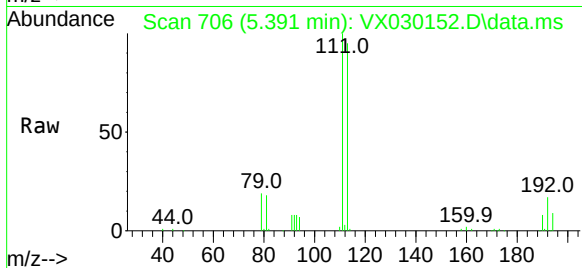
Tgt Ion:113 Resp: 100905

Ion Ratio Lower Upper

113 100

111 103.4 83.2 124.8

192 17.8 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.509 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX030152.D

Acq: 20 Jul 2022 23:28

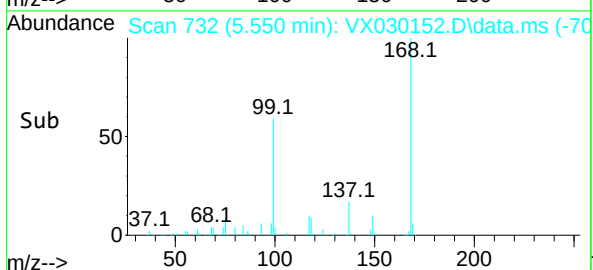
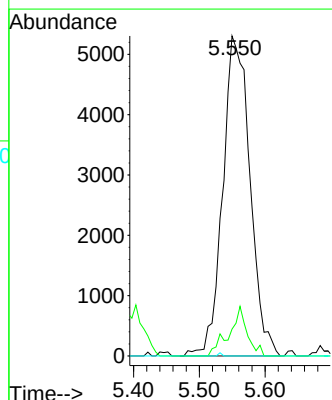
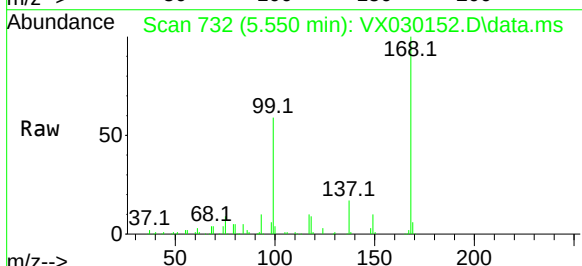
Tgt Ion: 75 Resp: 15274

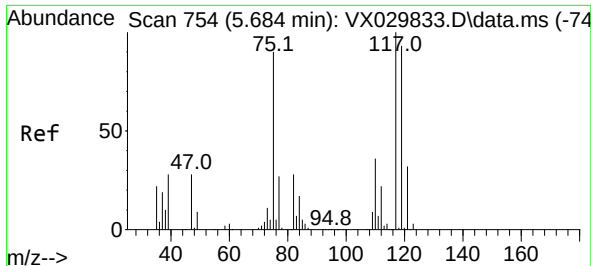
Ion Ratio Lower Upper

75 100

110 10.3 19.3 57.9#

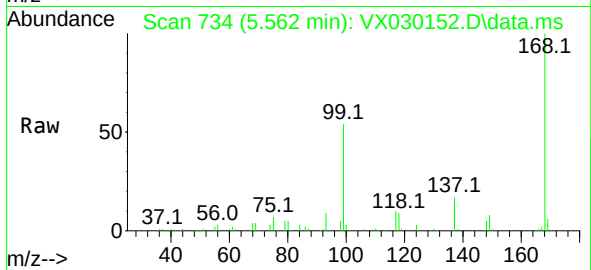
77 0.0 24.4 36.6#



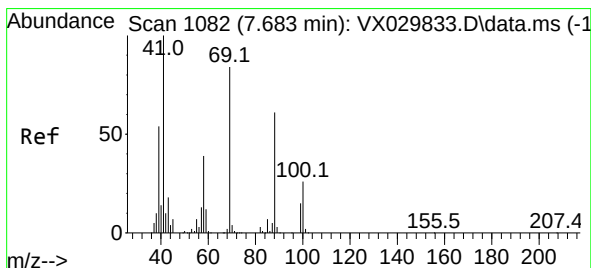
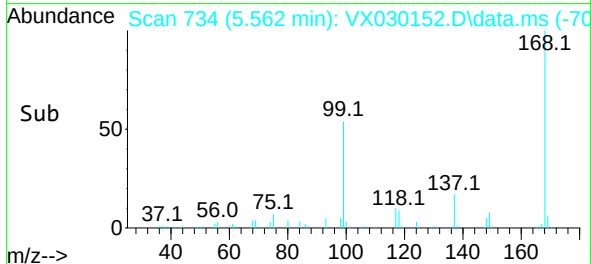
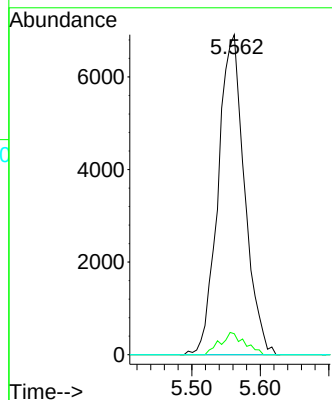


#38
Carbon Tetrachloride
Concen: 7.158 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX030152.D
Acq: 20 Jul 2022 23:28

Instrument :
MSVOA_X
ClientSampleId :
ORA-0020

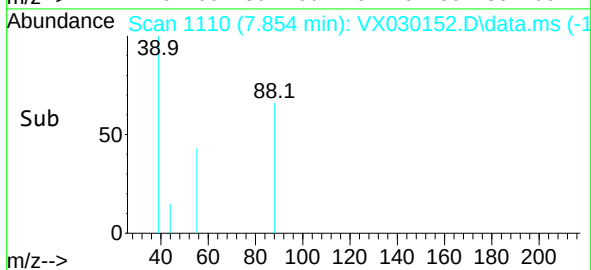
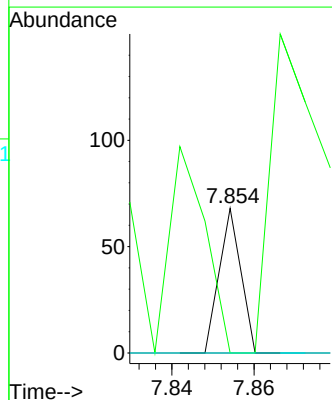
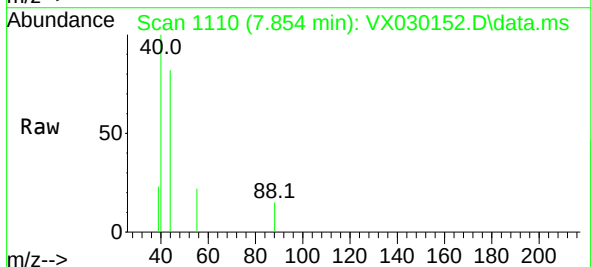


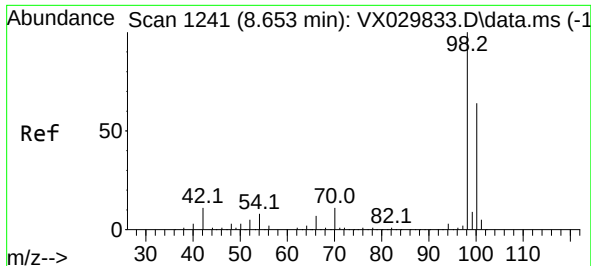
Tgt Ion:117 Resp: 18505
Ion Ratio Lower Upper
117 100
119 6.6 74.1 111.1#
121 0.0 25.8 38.8#



#49
1,4-Dioxane
Concen: 0.389 ug/l
RT: 7.854 min Scan# 1110
Delta R.T. 0.171 min
Lab File: VX030152.D
Acq: 20 Jul 2022 23:28

Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 520.0 23.8 35.8#
58 0.0 53.8 80.6#

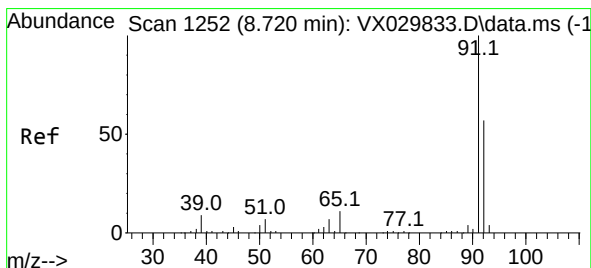
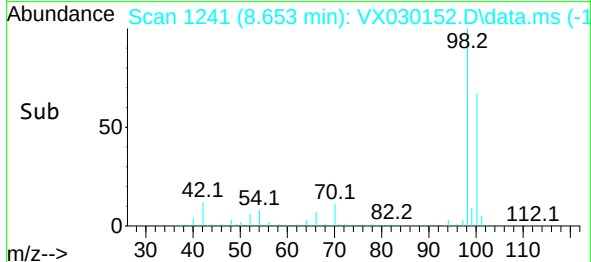
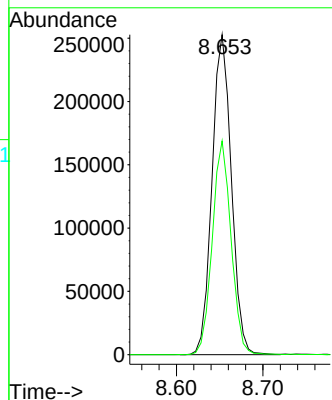
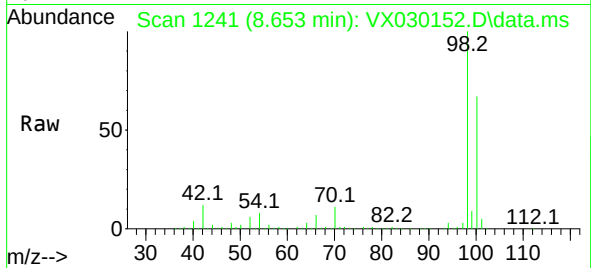




#50
Toluene-d8
Concen: 48.499 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030152.D
Acq: 20 Jul 2022 23:28

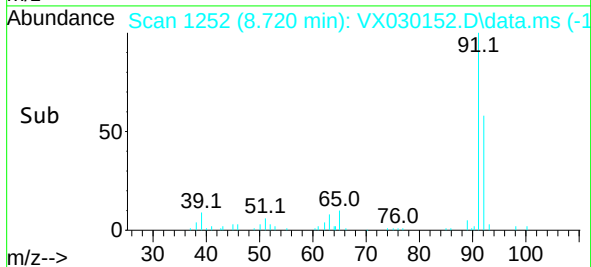
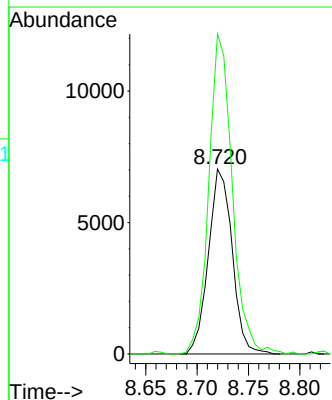
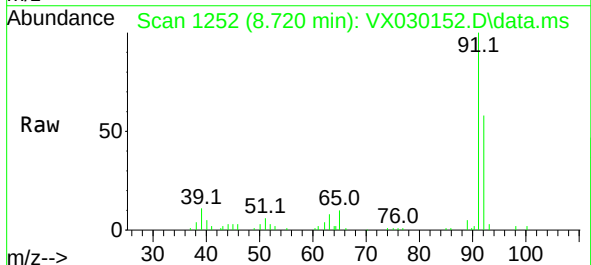
Instrument :
MSVOA_X
ClientSampleId :
ORA-0020

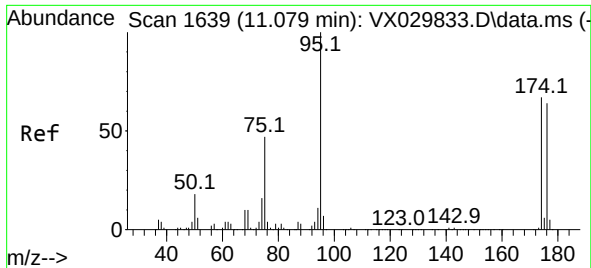
Tgt Ion: 98 Resp: 391488
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5



#52
Toluene
Concen: 2.047 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX030152.D
Acq: 20 Jul 2022 23:28

Tgt Ion: 92 Resp: 11340
Ion Ratio Lower Upper
92 100
91 170.8 139.2 208.8

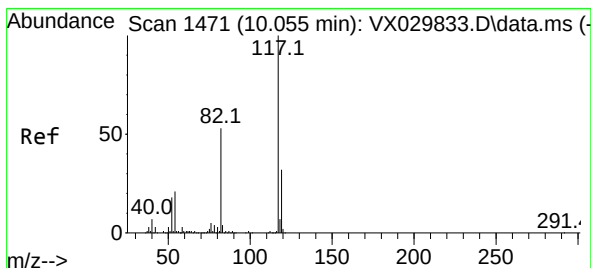
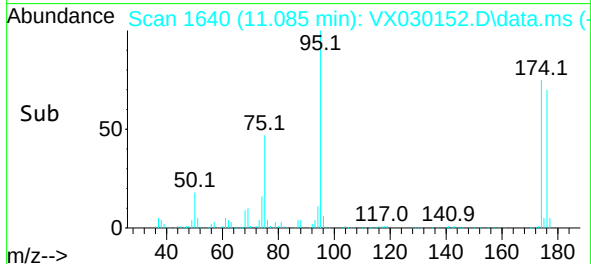
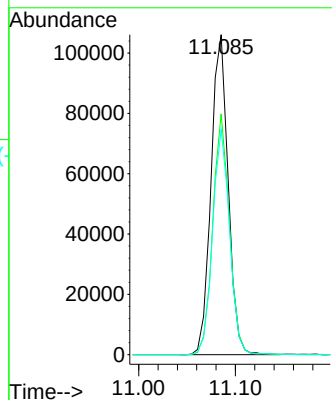
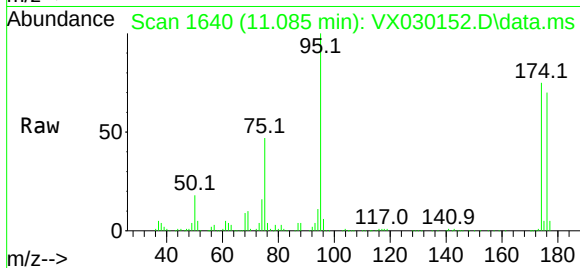




#62
4-Bromofluorobenzene
Concen: 46.599 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX030152.D
Acq: 20 Jul 2022 23:28

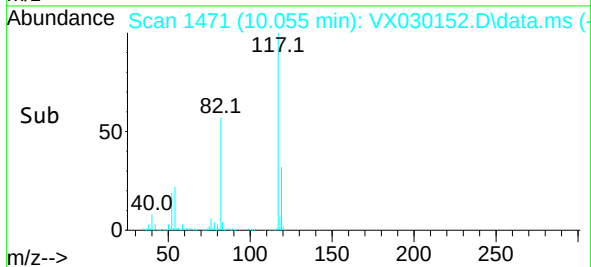
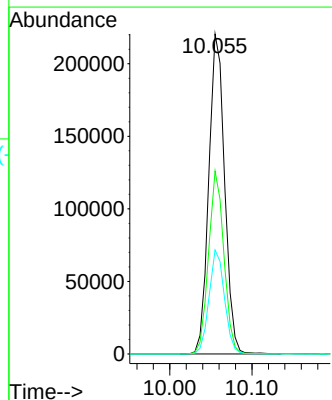
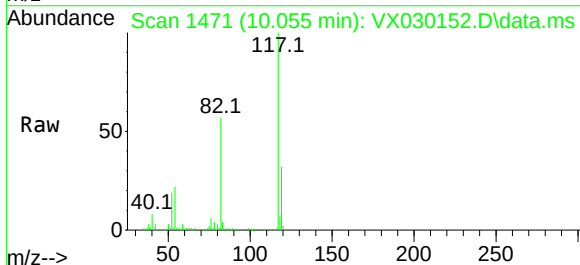
Instrument :
MSVOA_X
ClientSampleId :
ORA-0020

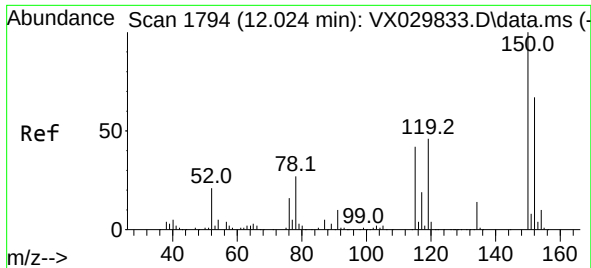
Tgt Ion: 95 Resp: 130537
Ion Ratio Lower Upper
95 100
174 73.1 0.0 149.0
176 69.7 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030152.D
Acq: 20 Jul 2022 23:28

Tgt Ion: 117 Resp: 294938
Ion Ratio Lower Upper
117 100
82 57.2 42.7 64.1
119 32.5 25.4 38.2

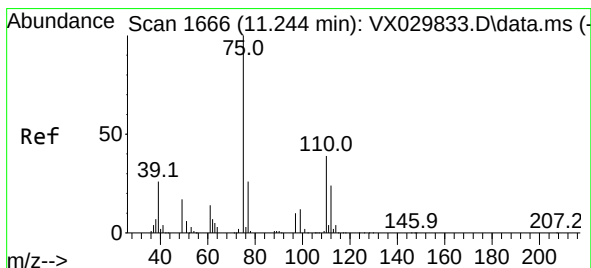
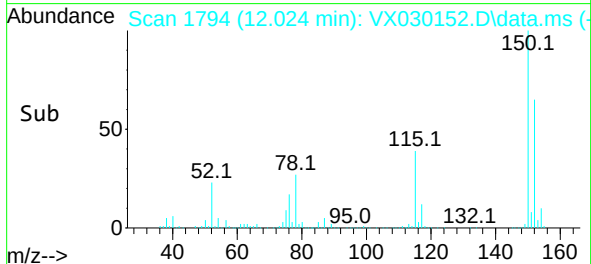
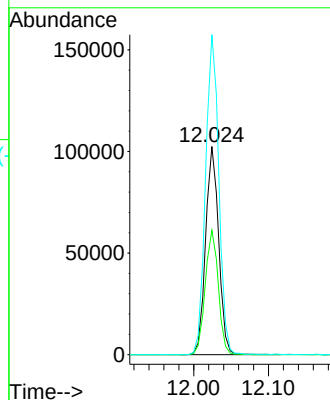
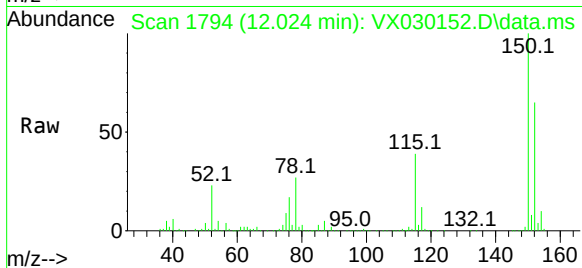




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030152.D
 Acq: 20 Jul 2022 23:28

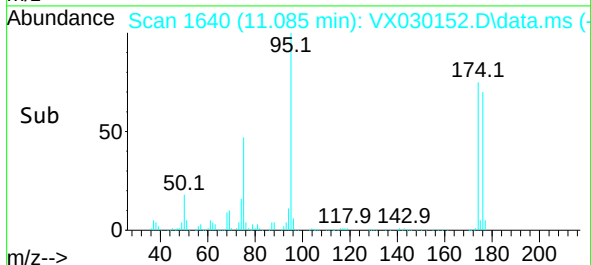
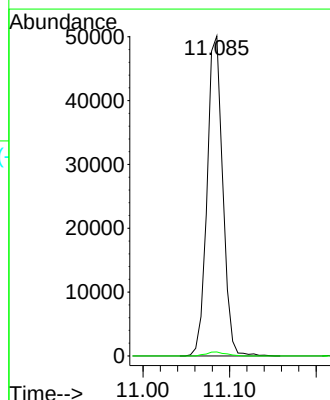
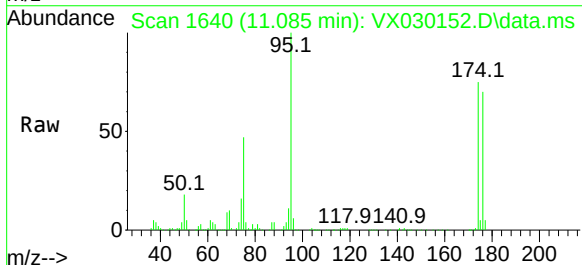
Instrument :
 MSVOA_X
 ClientSampleId :
 ORA-0020

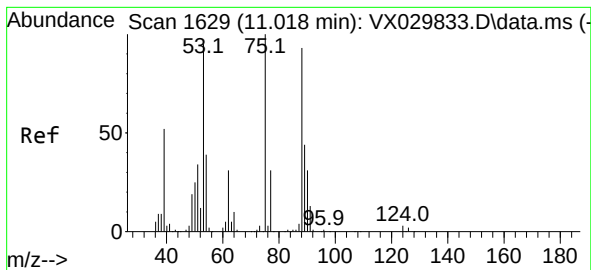
Tgt Ion:152 Resp: 124045
 Ion Ratio Lower Upper
 152 100
 115 59.8 40.5 121.5
 150 156.2 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 21.994 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX030152.D
 Acq: 20 Jul 2022 23:28

Tgt Ion: 75 Resp: 62727
 Ion Ratio Lower Upper
 75 100
 77 1.6 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.473 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX030152.D
 Acq: 20 Jul 2022 23:28

Instrument :
 MSVOA_X
 ClientSampleId :
 ORA-0020

Tgt Ion: 75 Resp: 62727
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.1 34.8 52.2#

