

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042122\
 Data File : VX028244.D
 Acq On : 21 Apr 2022 16:23
 Operator : JC/MD
 Sample : N2459-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31581

Quant Time: Apr 22 06:15:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

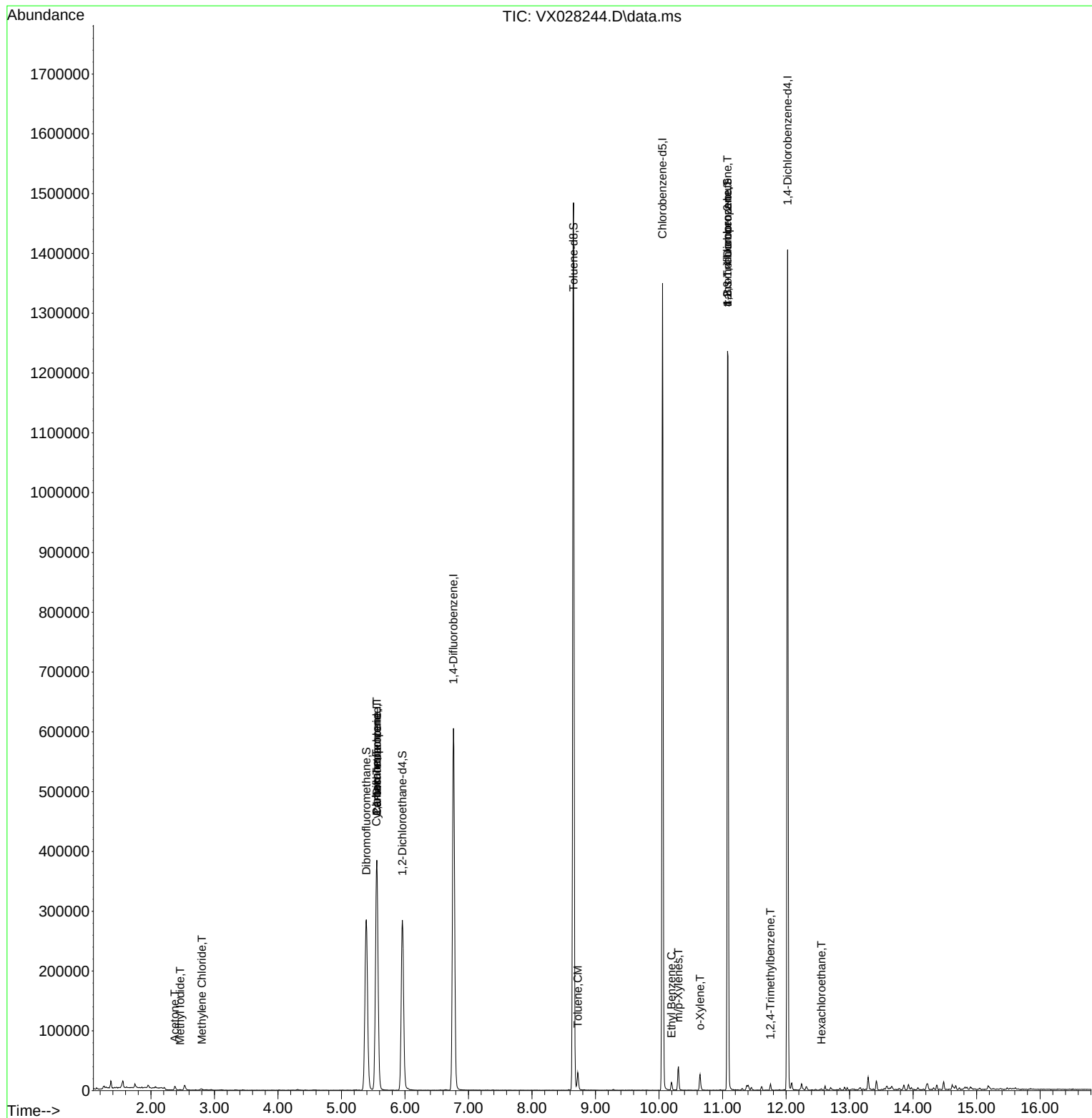
Internal Standards						
1) Pentafluorobenzene	5.556	168	376347	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	653685	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	620691	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	296899	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	271925	55.414	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 110.820%			
35) Dibromofluoromethane	5.391	113	248837	54.281	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 108.560%			
50) Toluene-d8	8.653	98	912184	51.808	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.620%			
62) 4-Bromofluorobenzene	11.079	95	331922	49.303	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 98.600%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	457	Below Cal	#	67
5) Bromomethane	1.624	94	818	Below Cal	#	79
6) Chloroethane	1.666	64	188	Below Cal	#	46
10) Methyl Iodide	2.459	142	913	5.431	ug/l #	88
11) Tert butyl alcohol	2.953	59	756	Below Cal	#	72
16) Acetone	2.374	43	6700	3.092	ug/l	94
20) Methylene Chloride	2.800	84	845	0.232	ug/l #	74
31) Cyclohexane	5.550	56	7287	1.219	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	26912	4.501	ug/l #	51
38) Carbon Tetrachloride	5.556	117	38378	5.685	ug/l #	15
52) Toluene	8.720	92	10123	0.832	ug/l	93
67) Ethyl Benzene	10.195	91	7394	0.333	ug/l	94
68) m/p-Xylenes	10.305	106	9800	1.085	ug/l	97
69) o-Xylene	10.646	106	5714	0.635	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	167370	28.644	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	167370	85.122	ug/l #	15
84) 1,2,4-Trimethylbenzene	11.756	105	4365	0.253	ug/l	99
90) Hexachloroethane	12.555	117	209	1.875	ug/l #	10

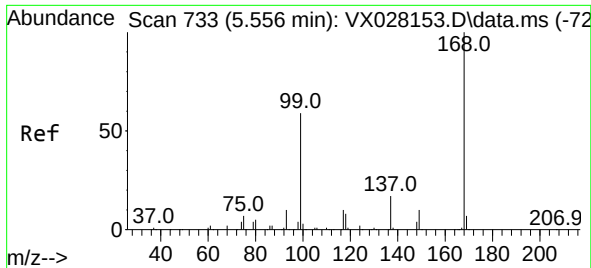
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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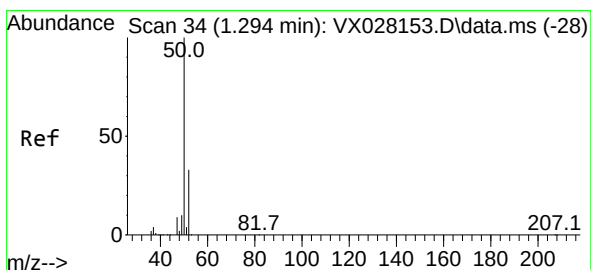
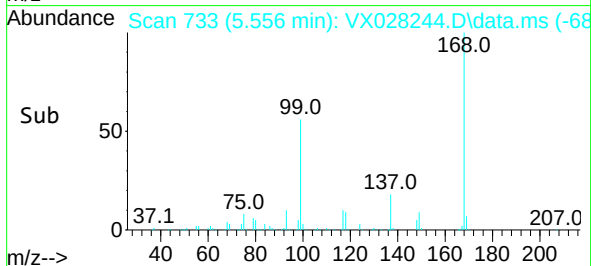
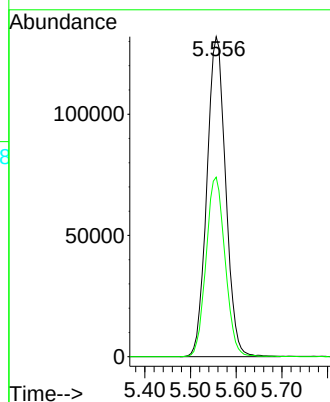
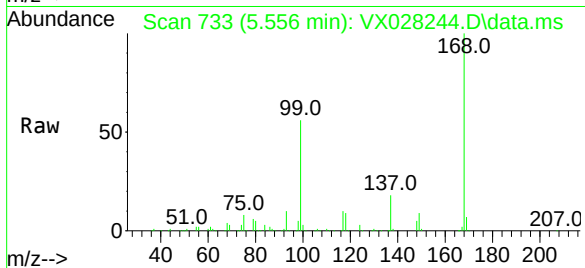




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028244.D
Acq: 21 Apr 2022 16:23

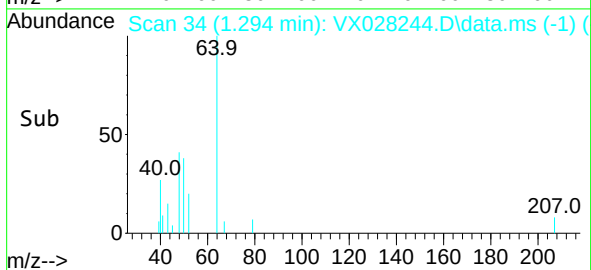
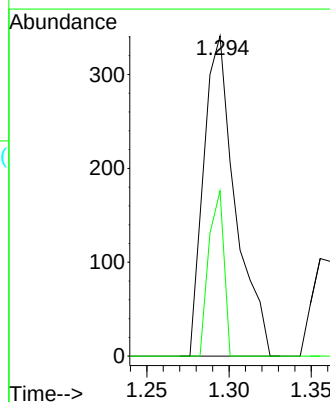
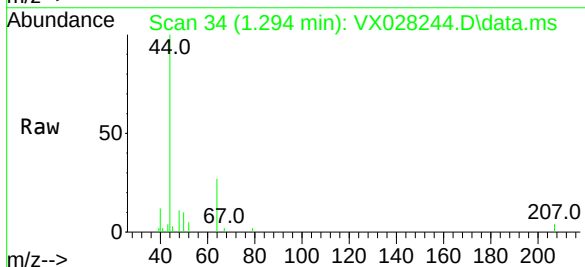
Instrument :
MSVOA_X
ClientSampleId :
31581

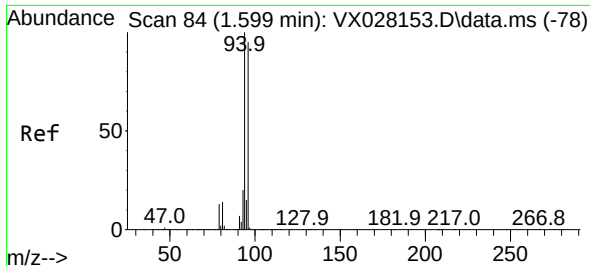
Tgt Ion:168 Resp: 376347
Ion Ratio Lower Upper
168 100
99 56.1 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028244.D
Acq: 21 Apr 2022 16:23

Tgt Ion: 50 Resp: 457
Ion Ratio Lower Upper
50 100
52 51.6 26.4 39.6#

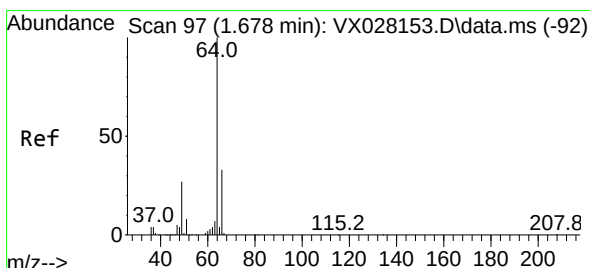
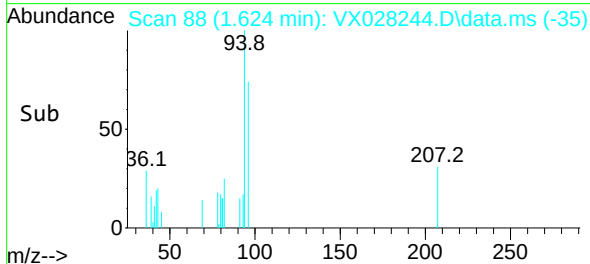
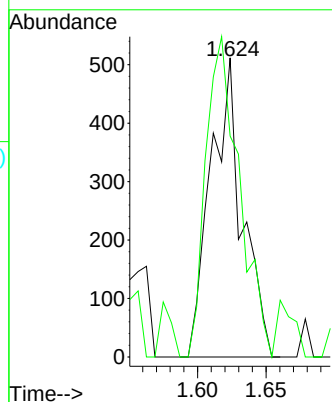
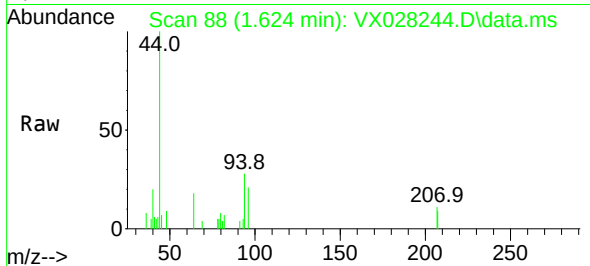




#5
Bromomethane
Concen: Below Cal
RT: 1.624 min Scan# 81
Delta R.T. 0.025 min
Lab File: VX028244.D
Acq: 21 Apr 2022 16:23

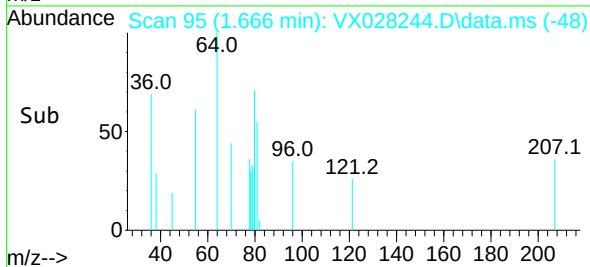
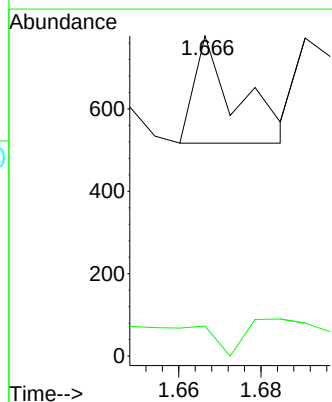
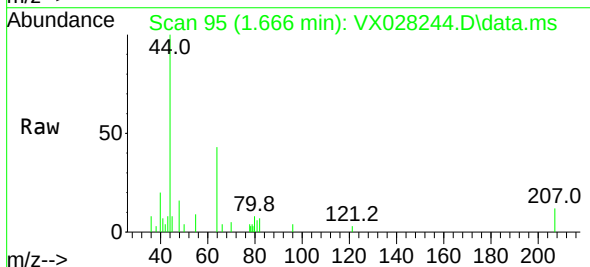
Instrument :
MSVOA_X
ClientSampleId :
31581

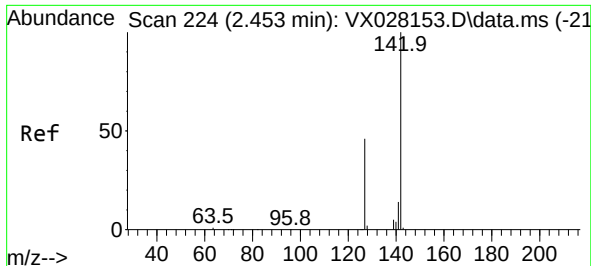
Tgt Ion: 94 Resp: 818
Ion Ratio Lower Upper
94 100
96 73.8 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.666 min Scan# 95
Delta R.T. -0.012 min
Lab File: VX028244.D
Acq: 21 Apr 2022 16:23

Tgt Ion: 64 Resp: 188
Ion Ratio Lower Upper
64 100
66 1.9 25.3 37.9#





#10

Methyl Iodide

Concen: 5.431 ug/l

RT: 2.459 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX028244.D

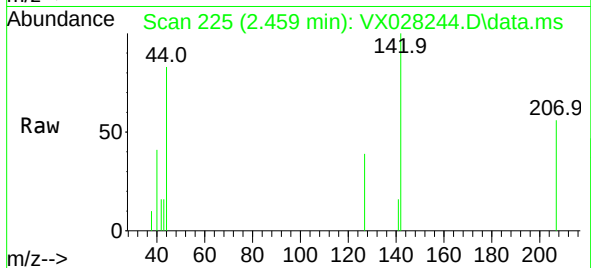
Acq: 21 Apr 2022 16:23

Instrument :

MSVOA_X

ClientSampleId :

31581



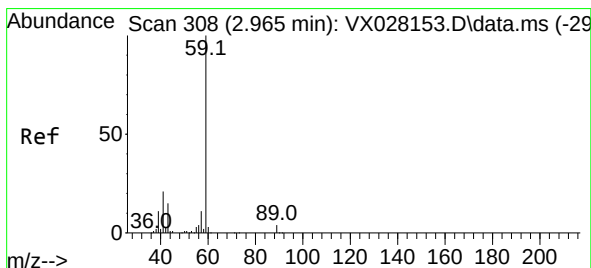
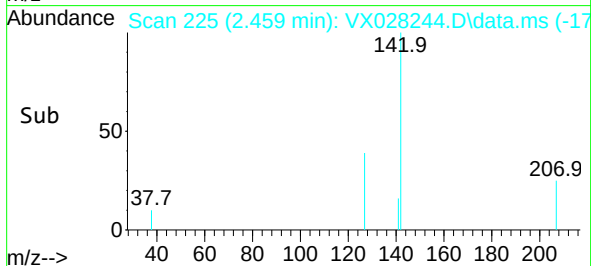
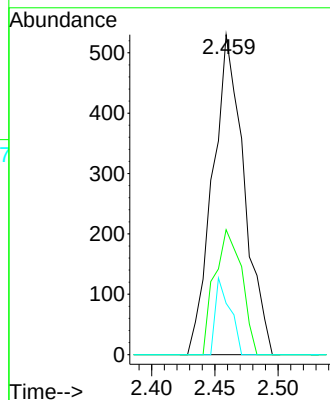
Tgt Ion:142 Resp: 913

Ion Ratio Lower Upper

142 100

127 33.7 33.9 50.9#

141 11.2 11.4 17.2#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.953 min Scan# 306

Delta R.T. -0.012 min

Lab File: VX028244.D

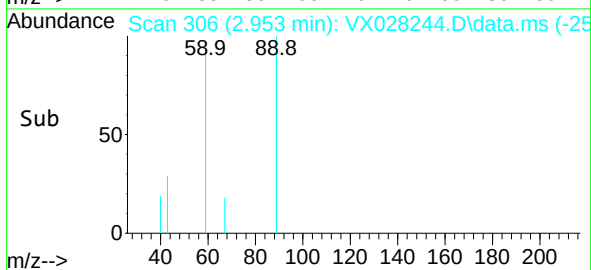
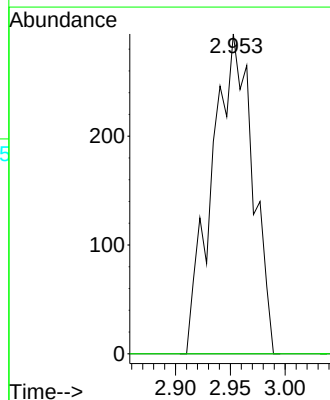
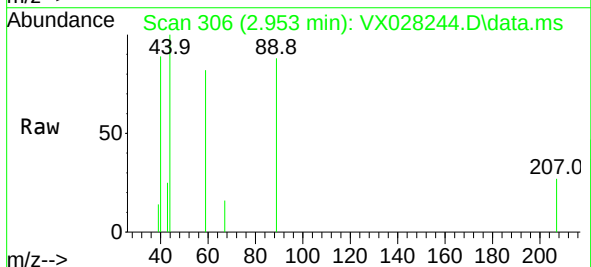
Acq: 21 Apr 2022 16:23

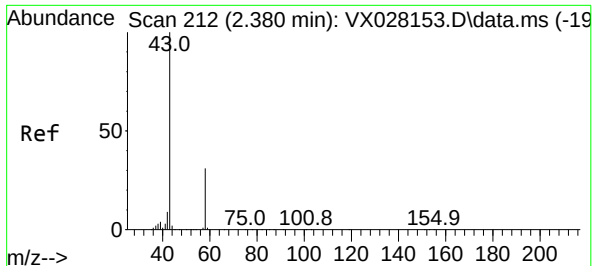
Tgt Ion: 59 Resp: 756

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

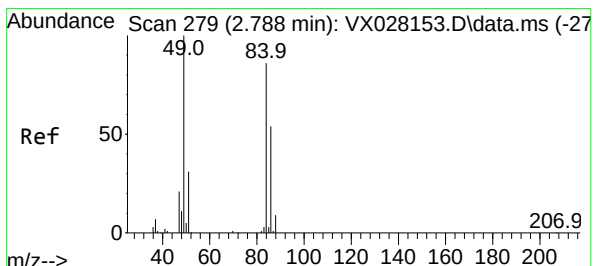
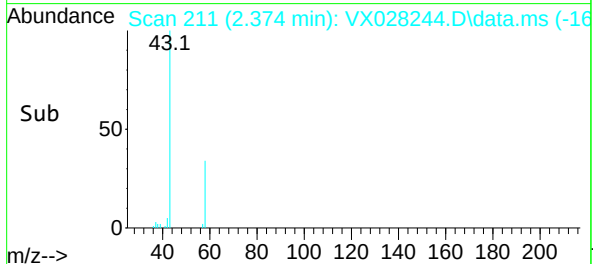
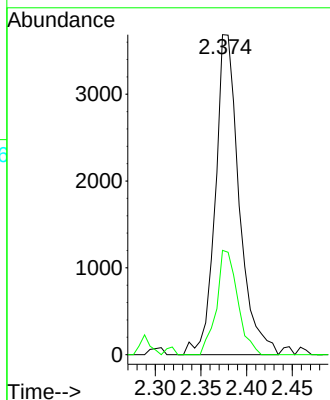
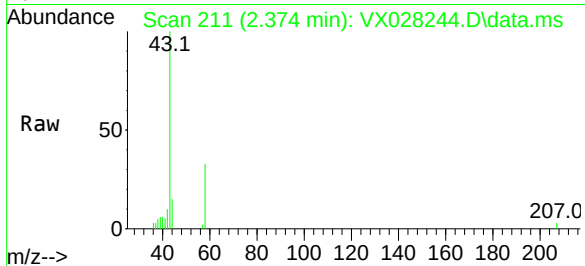




#16
Acetone
Concen: 3.092 ug/l
RT: 2.374 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX028244.D
Acq: 21 Apr 2022 16:23

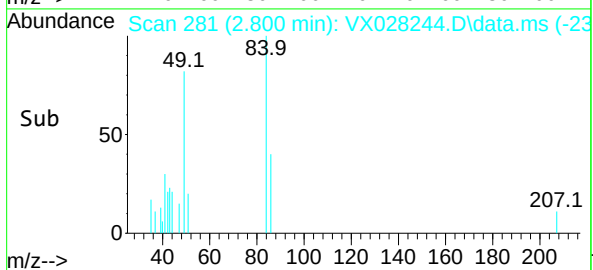
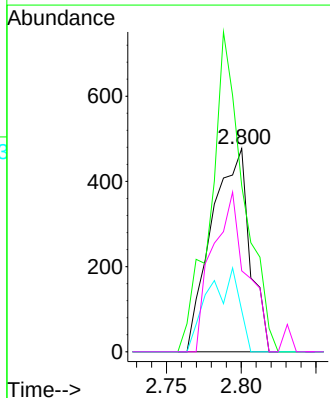
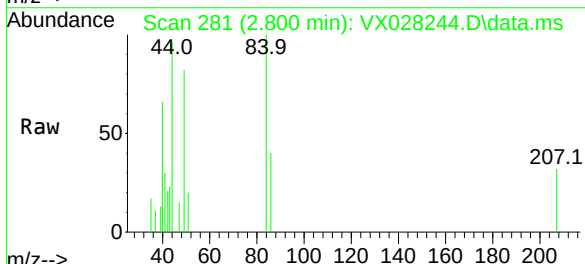
Instrument :
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ClientSampleId :
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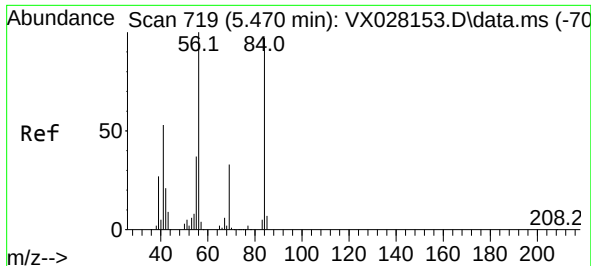
Tgt Ion: 43 Resp: 6700
Ion Ratio Lower Upper
43 100
58 32.6 28.8 43.2



#20
Methylene Chloride
Concen: 0.232 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.012 min
Lab File: VX028244.D
Acq: 21 Apr 2022 16:23

Tgt Ion: 84 Resp: 845
Ion Ratio Lower Upper
84 100
49 81.8 85.5 128.3#
51 20.3 26.6 39.8#
86 39.8 51.5 77.3#

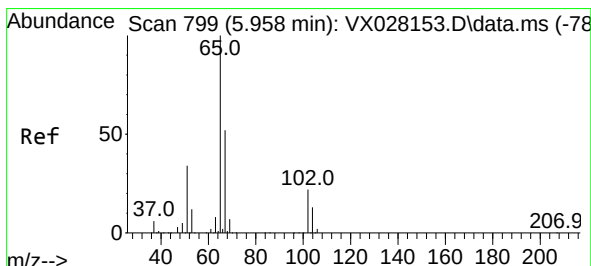
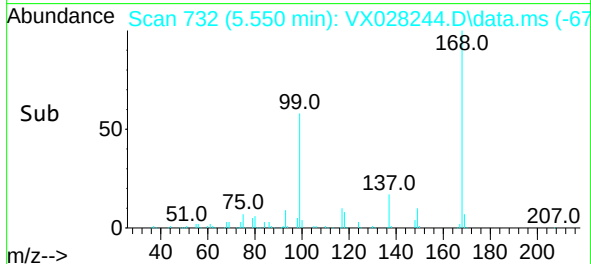
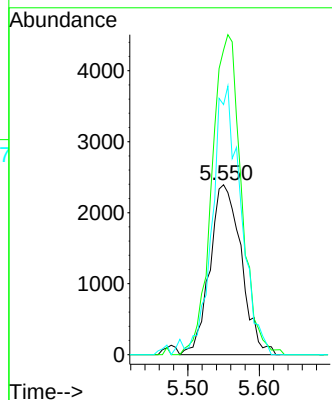
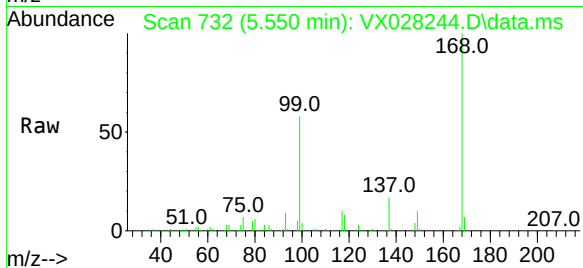




#31
Cyclohexane
Concen: 1.219 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX028244.D
Acq: 21 Apr 2022 16:23

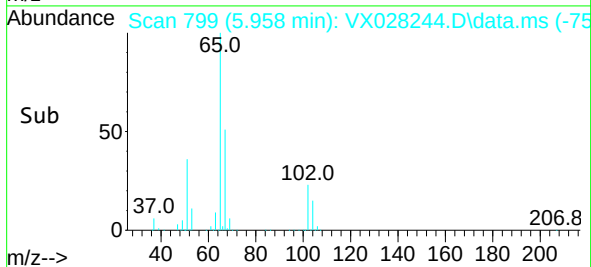
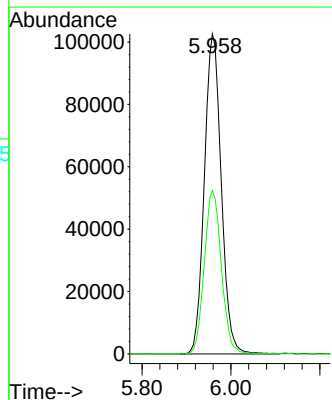
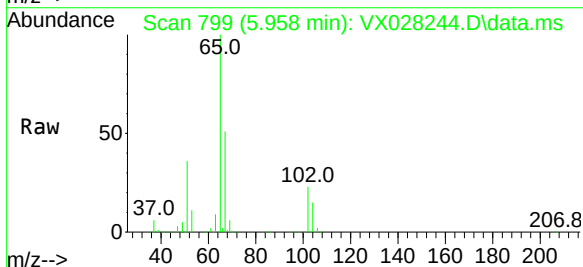
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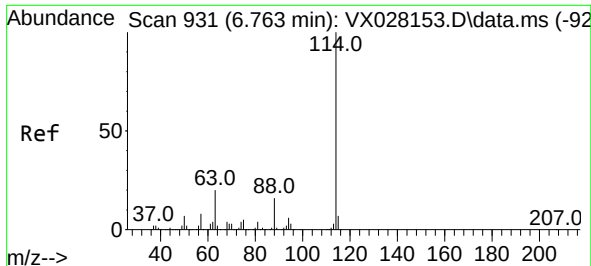
Tgt Ion: 56 Resp: 7287
Ion Ratio Lower Upper
56 100
69 179.3 26.7 40.1#
84 147.2 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 55.414 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028244.D
Acq: 21 Apr 2022 16:23

Tgt Ion: 65 Resp: 271925
Ion Ratio Lower Upper
65 100
67 51.6 0.0 107.4

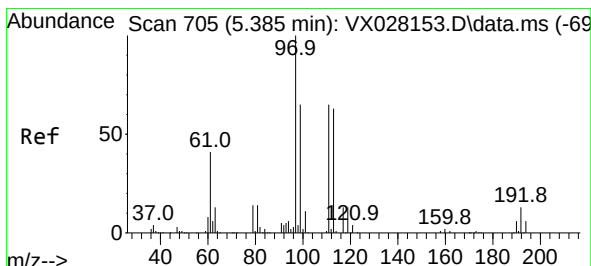
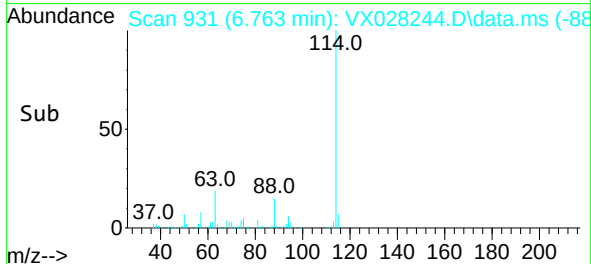
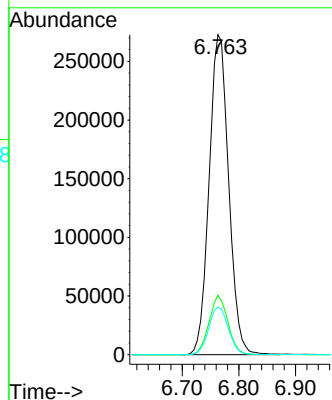
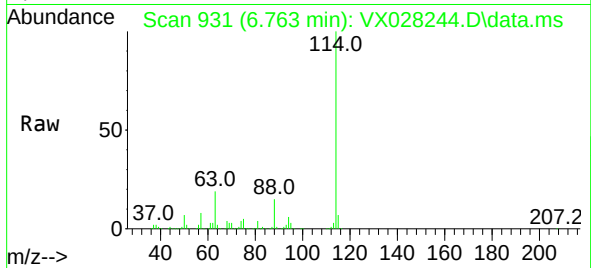




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX028244.D
Acq: 21 Apr 2022 16:23

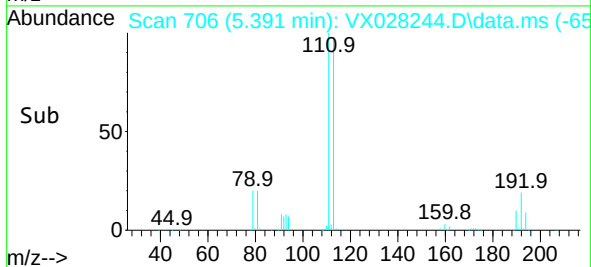
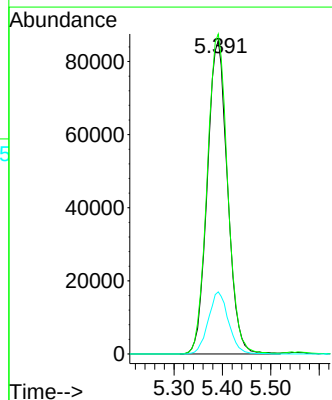
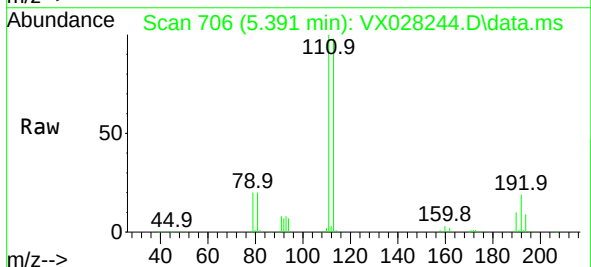
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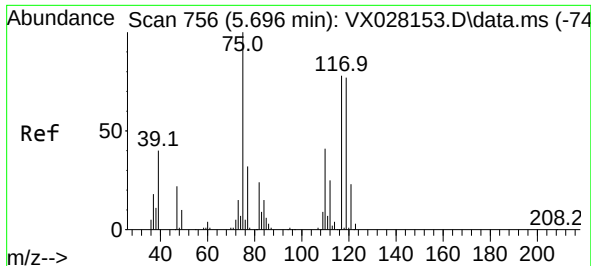
Tgt Ion:114 Resp: 653685
Ion Ratio Lower Upper
114 100
63 18.5 0.0 36.8
88 14.9 0.0 32.4



#35
Dibromofluoromethane
Concen: 54.281 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028244.D
Acq: 21 Apr 2022 16:23

Tgt Ion:113 Resp: 248837
Ion Ratio Lower Upper
113 100
111 103.1 82.8 124.2
192 19.8 16.9 25.3

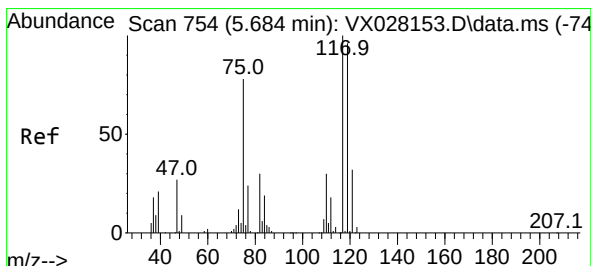
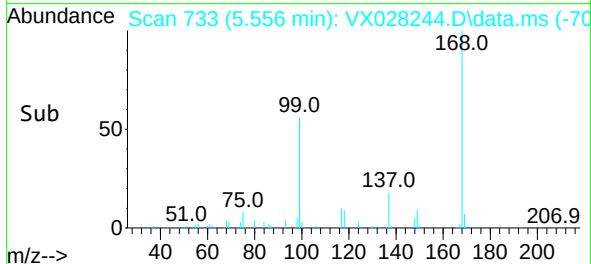
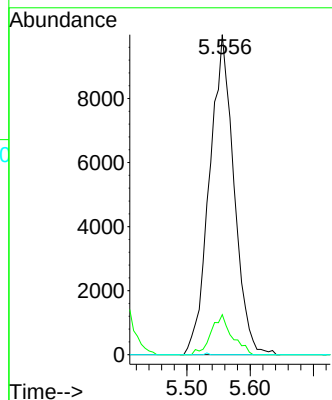
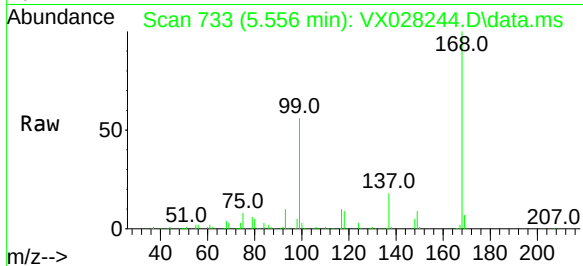




#36
1,1-Dichloropropene
Concen: 4.501 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX028244.D
Acq: 21 Apr 2022 16:23

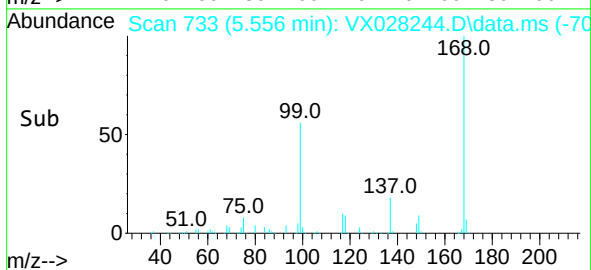
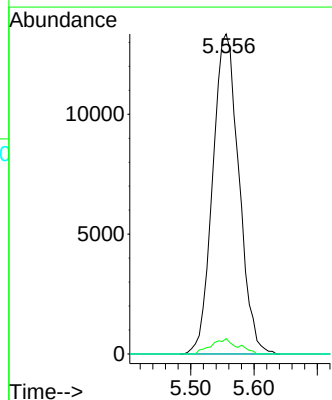
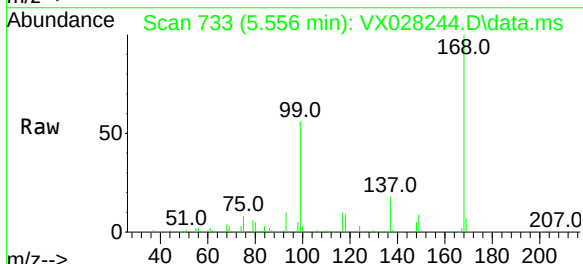
Instrument :
MSVOA_X
ClientSampleId :
31581

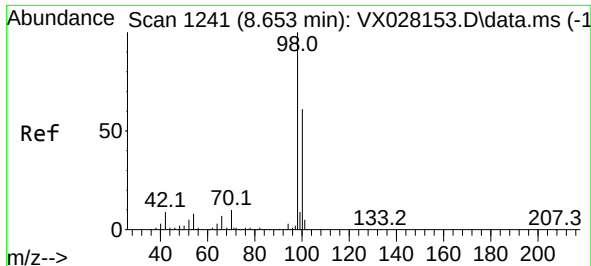
Tgt Ion: 75 Resp: 26912
Ion Ratio Lower Upper
75 100
110 10.7 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.685 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX028244.D
Acq: 21 Apr 2022 16:23

Tgt Ion: 117 Resp: 38378
Ion Ratio Lower Upper
117 100
119 4.8 77.3 115.9#
121 0.0 24.2 36.2#

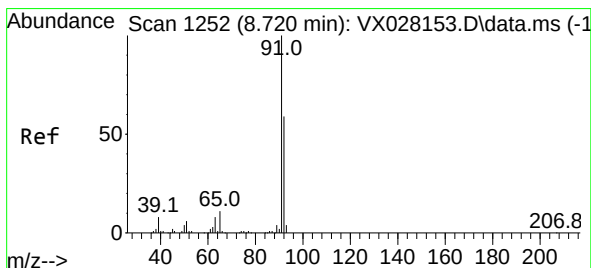
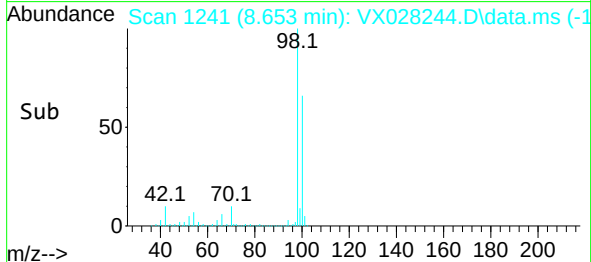
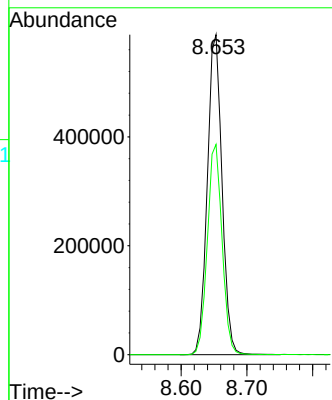
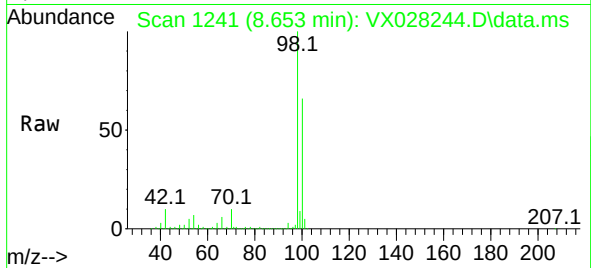




#50
Toluene-d8
Concen: 51.808 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028244.D
Acq: 21 Apr 2022 16:23

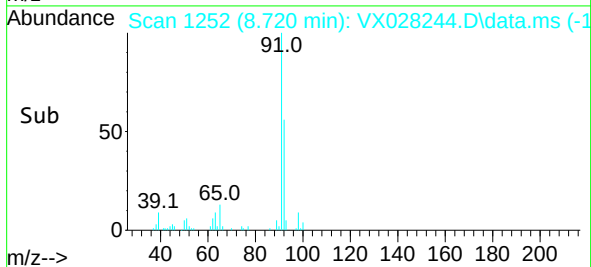
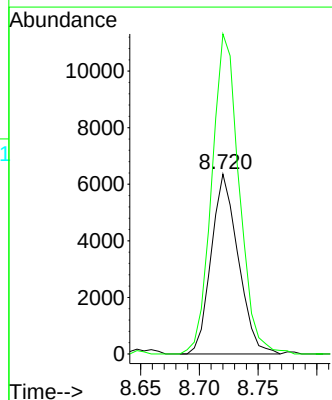
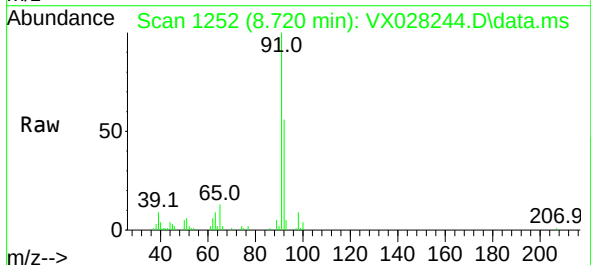
Instrument :
MSVOA_X
ClientSampleId :
31581

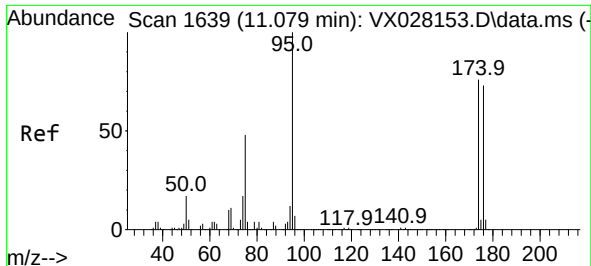
Tgt Ion: 98 Resp: 912184
Ion Ratio Lower Upper
98 100
100 65.8 52.6 78.8



#52
Toluene
Concen: 0.832 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX028244.D
Acq: 21 Apr 2022 16:23

Tgt Ion: 92 Resp: 10123
Ion Ratio Lower Upper
92 100
91 180.9 137.5 206.3

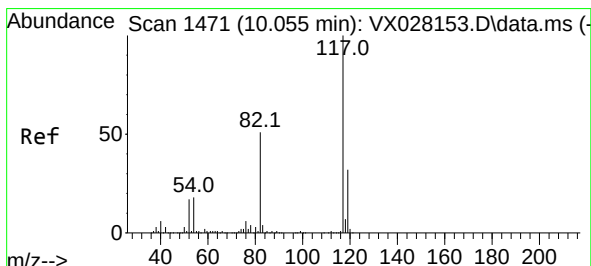
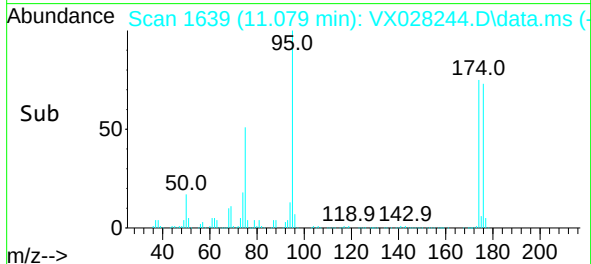
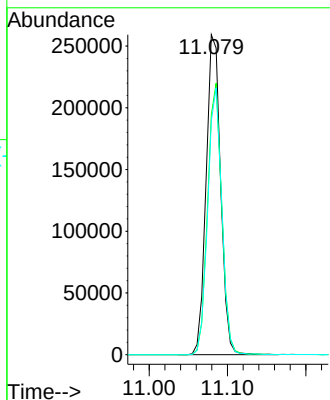
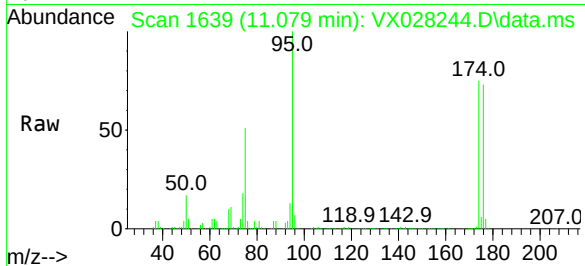




#62
4-Bromofluorobenzene
Concen: 49.303 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028244.D
Acq: 21 Apr 2022 16:23

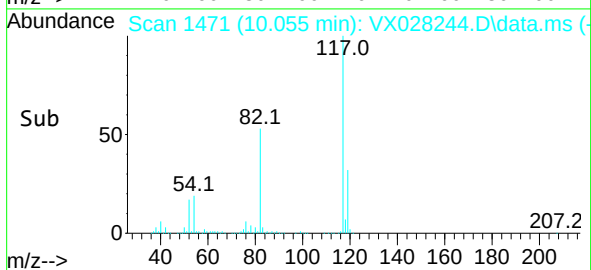
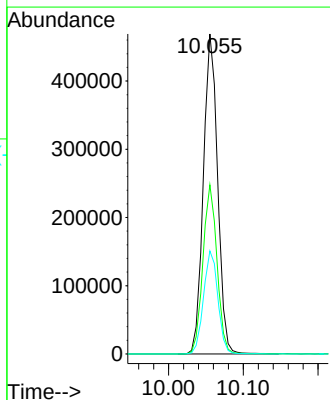
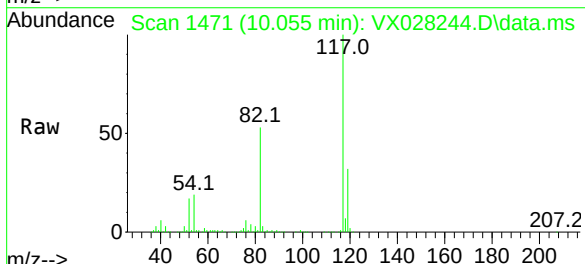
Instrument :
MSVOA_X
ClientSampleId :
31581

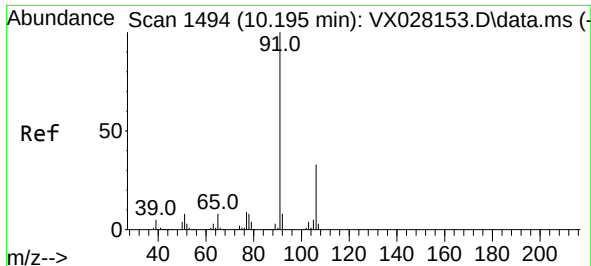
Tgt Ion: 95 Resp: 331922
Ion Ratio Lower Upper
95 100
174 82.9 0.0 163.0
176 81.3 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028244.D
Acq: 21 Apr 2022 16:23

Tgt Ion: 117 Resp: 620691
Ion Ratio Lower Upper
117 100
82 52.9 41.8 62.8
119 32.2 24.8 37.2





#67

Ethyl Benzene

Concen: 0.333 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX028244.D

Acq: 21 Apr 2022 16:23

Instrument :

MSVOA_X

ClientSampleId :

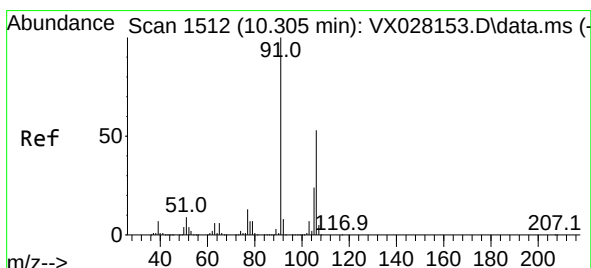
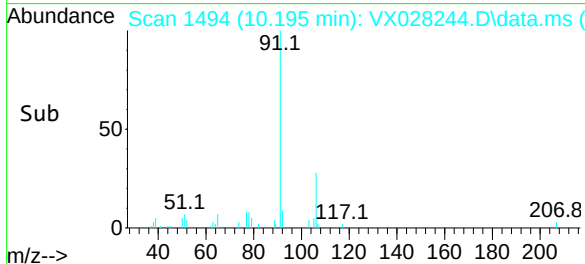
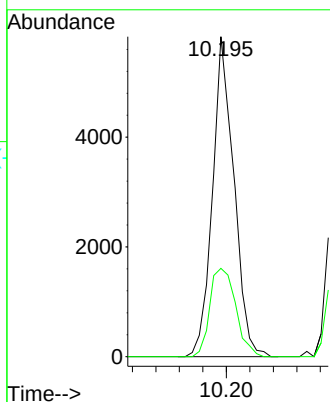
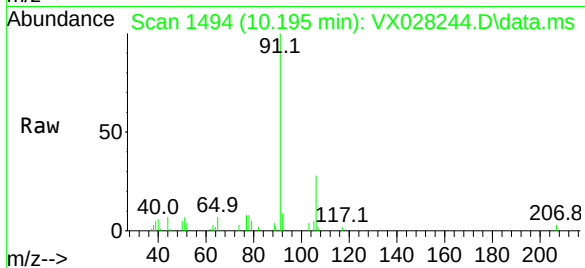
31581

Tgt Ion: 91 Resp: 7394

Ion Ratio Lower Upper

91 100

106 27.6 24.6 36.8



#68

m/p-Xylenes

Concen: 1.085 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.000 min

Lab File: VX028244.D

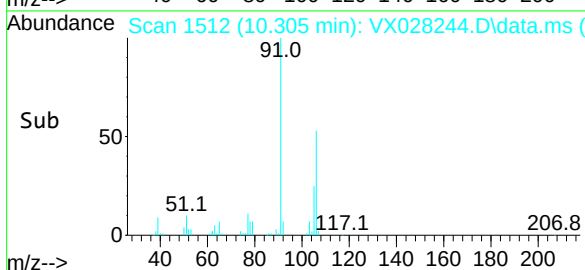
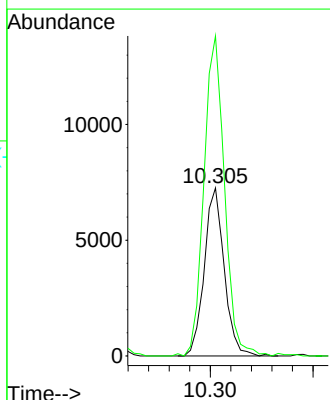
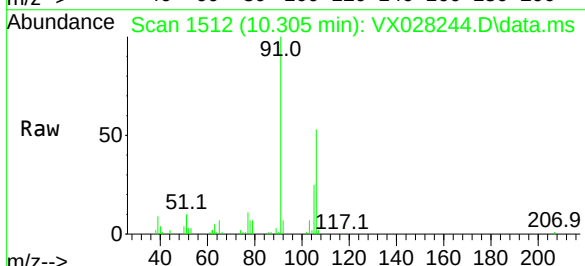
Acq: 21 Apr 2022 16:23

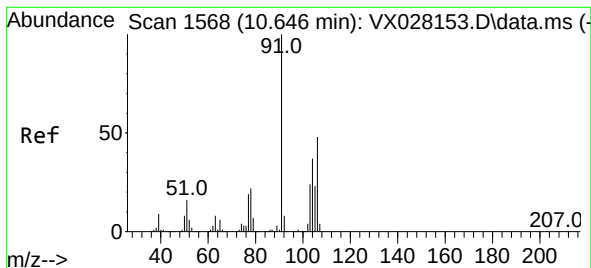
Tgt Ion: 106 Resp: 9800

Ion Ratio Lower Upper

106 100

91 196.3 160.4 240.6





#69

o-Xylene

Concen: 0.635 ug/l

RT: 10.646 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX028244.D

Acq: 21 Apr 2022 16:23

Instrument :

MSVOA_X

ClientSampleId :

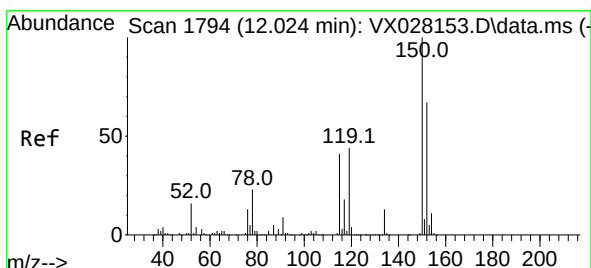
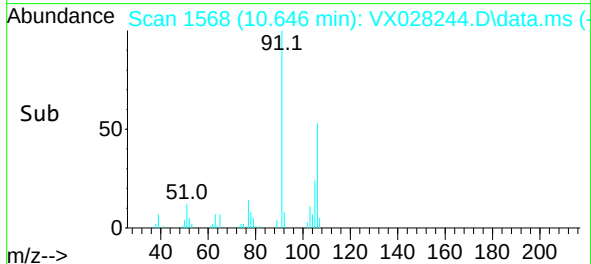
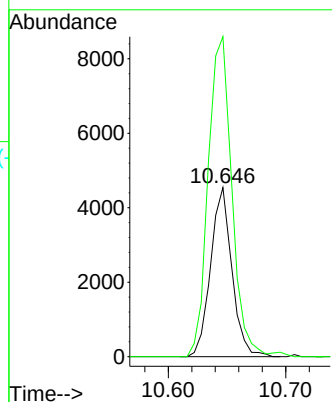
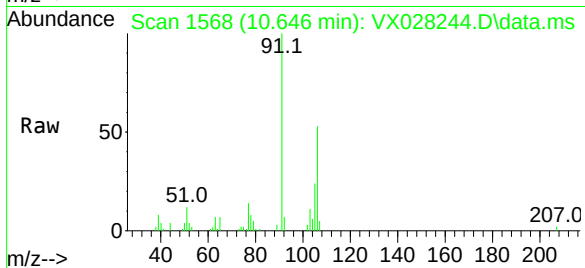
31581

Tgt Ion:106 Resp: 5714

Ion Ratio Lower Upper

106 100

91 211.0 106.1 318.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX028244.D

Acq: 21 Apr 2022 16:23

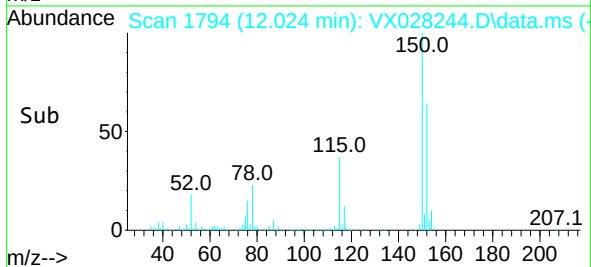
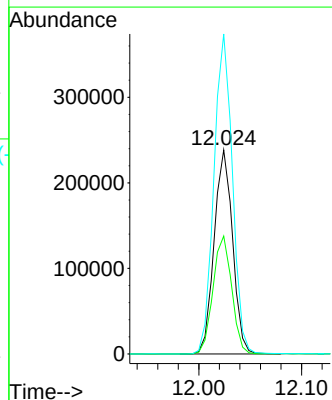
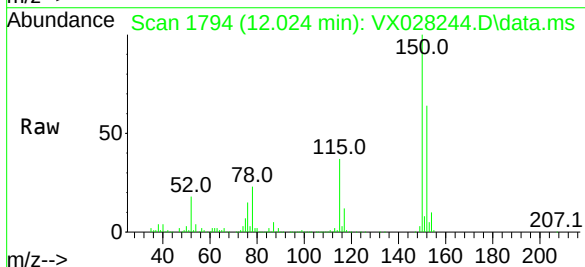
Tgt Ion:152 Resp: 296899

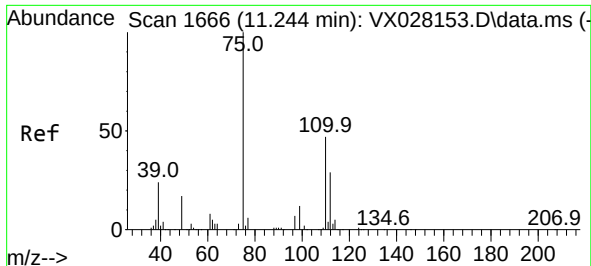
Ion Ratio Lower Upper

152 100

115 58.5 37.5 112.7

150 157.4 0.0 338.2

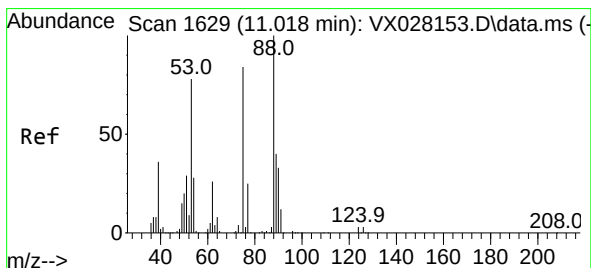
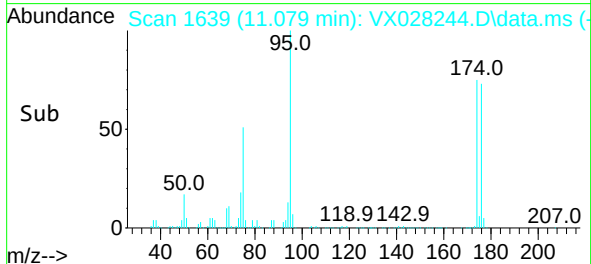
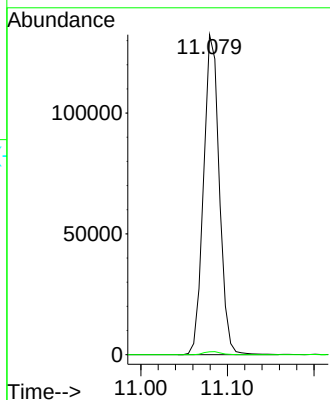
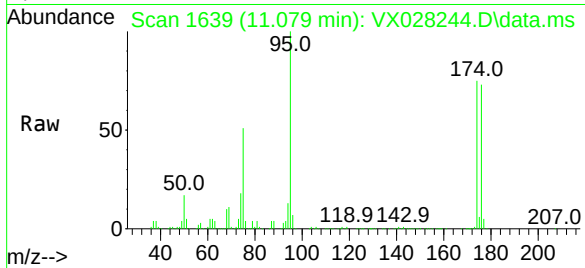




#76
1,2,3-Trichloropropane
Concen: 28.644 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028244.D
Acq: 21 Apr 2022 16:23

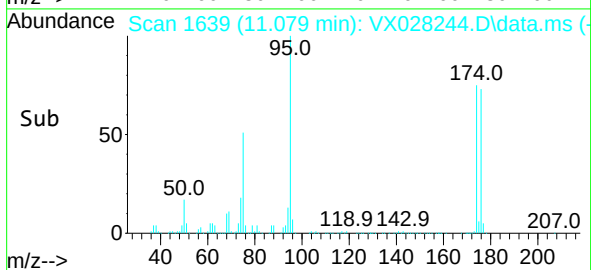
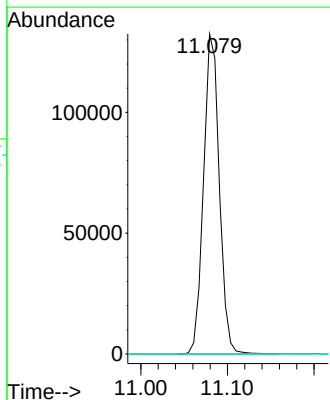
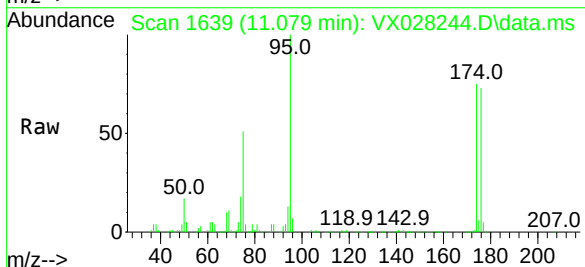
Instrument :
MSVOA_X
ClientSampleId :
31581

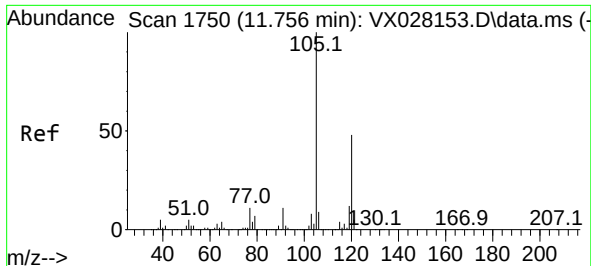
Tgt Ion: 75 Resp: 167370
Ion Ratio Lower Upper
75 100
77 1.0 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.122 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028244.D
Acq: 21 Apr 2022 16:23

Tgt Ion: 75 Resp: 167370
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

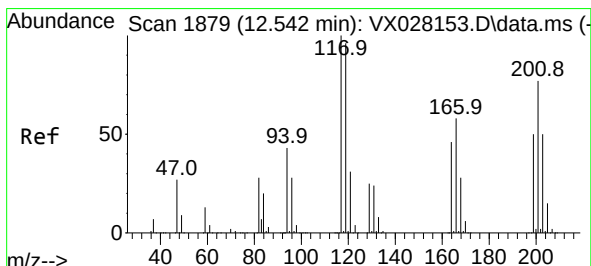
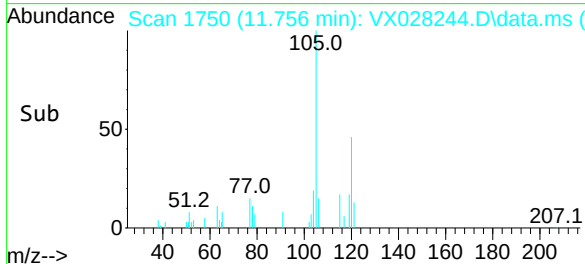
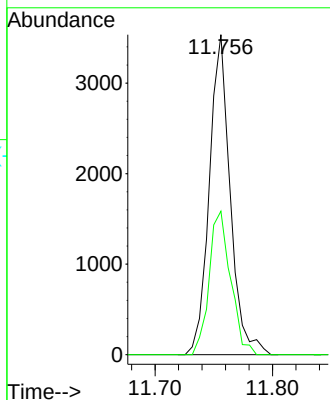
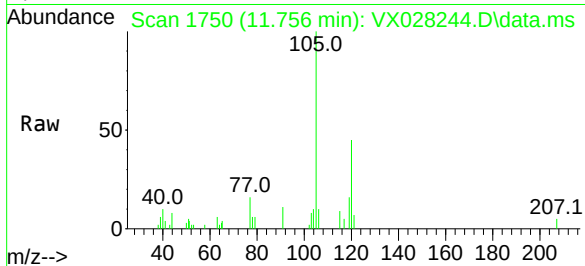




#84
1,2,4-Trimethylbenzene
Concen: 0.253 ug/l
RT: 11.756 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028244.D
Acq: 21 Apr 2022 16:23

Instrument :
MSVOA_X
ClientSampleId :
31581

Tgt Ion:105 Resp: 4365
Ion Ratio Lower Upper
105 100
120 46.1 22.6 67.8



#90
Hexachloroethane
Concen: 1.875 ug/l
RT: 12.555 min Scan# 1881
Delta R.T. 0.013 min
Lab File: VX028244.D
Acq: 21 Apr 2022 16:23

Tgt Ion:117 Resp: 209
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#

