

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050622\
 Data File : VX028545.D
 Acq On : 06 May 2022 13:25
 Operator : JC/MD
 Sample : PB144610ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144610ZHE#02

Quant Time: May 07 06:01:06 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)

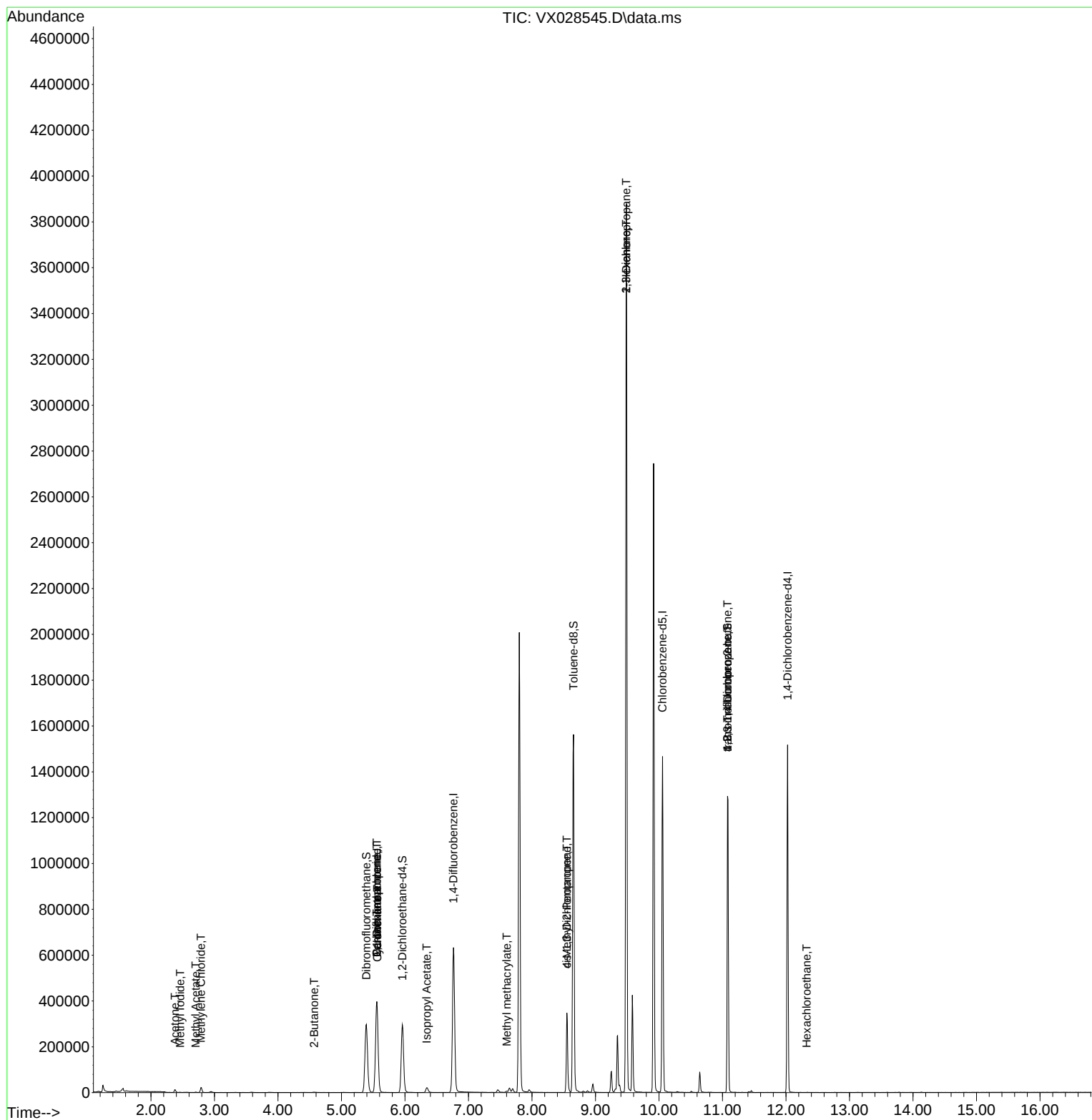
Internal Standards						
1) Pentafluorobenzene	5.556	168	391222	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	676657	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	671877	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	313591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	279663	54.824	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 109.640%	
35) Dibromofluoromethane	5.391	113	260265	54.846	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 109.700%	
50) Toluene-d8	8.653	98	949409	52.091	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 104.180%	
62) 4-Bromofluorobenzene	11.079	95	346700	49.750	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 99.500%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	465	Below Cal	#	88
5) Bromomethane	1.612	94	1302	Below Cal		81
6) Chloroethane	1.703	64	836	Below Cal	#	48
10) Methyl Iodide	2.459	142	1126	5.467	ug/l #	91
11) Tert butyl alcohol	2.941	59	2378	Below Cal	#	72
16) Acetone	2.380	43	13006	6.991	ug/l	96
18) Methyl Acetate	2.703	43	1989	0.439	ug/l #	88
20) Methylene Chloride	2.788	84	10137	2.678	ug/l	96
25) 2-Butanone	4.568	43	1769	0.586	ug/l #	76
31) Cyclohexane	5.562	56	7492	1.206	ug/l #	34
36) 1,1-Dichloropropene	5.556	75	28231	4.561	ug/l #	50
38) Carbon Tetrachloride	5.556	117	37993	5.437	ug/l #	16
43) Isopropyl Acetate	6.342	43	28526	2.791	ug/l	97
48) Methyl methacrylate	7.604	41	7610	1.622	ug/l #	7
51) 4-Methyl-2-Pentanone	8.549	43	108233	16.500	ug/l #	45
54) cis-1,3-Dichloropropene	8.549	75	58482	7.664	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	38083	4.613	ug/l #	43
59) 2-Hexanone	9.482	43	431720	84.965	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	173070	28.043	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	173070	83.335	ug/l #	15
90) Hexachloroethane	12.323	117	19	1.819	ug/l #	10

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

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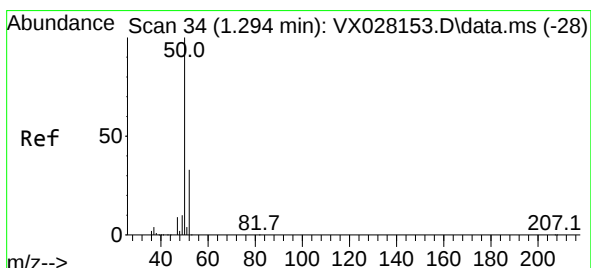
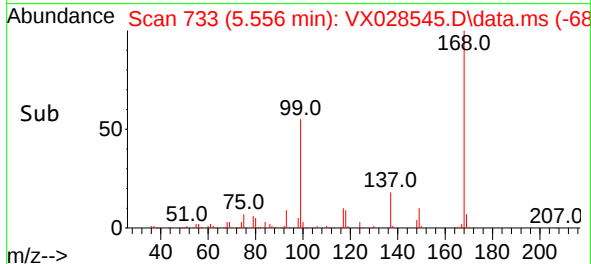
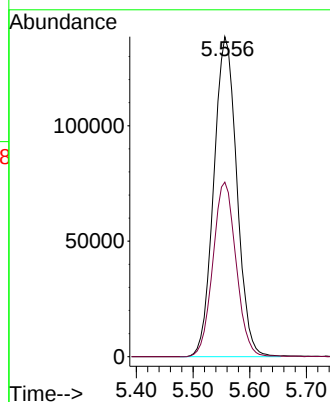
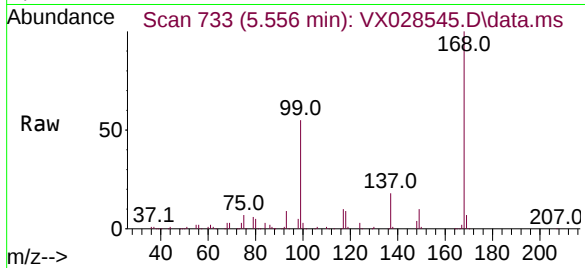




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028545.D
Acq: 06 May 2022 13:25

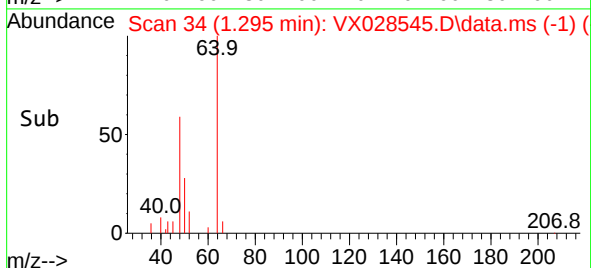
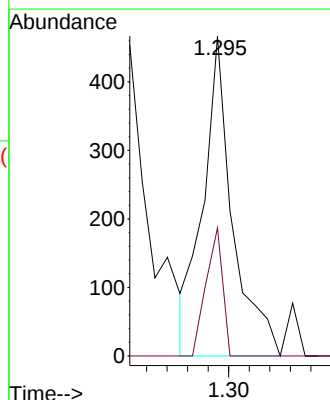
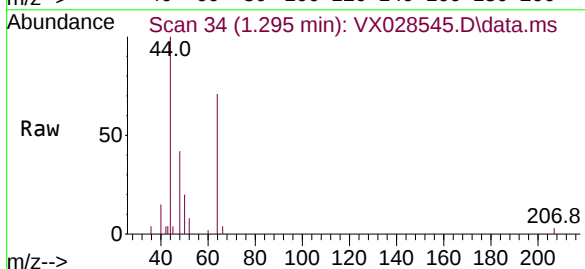
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#02

Tgt Ion:168 Resp: 391222
Ion Ratio Lower Upper
168 100
99 54.5 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. 0.001 min
Lab File: VX028545.D
Acq: 06 May 2022 13:25

Tgt Ion: 50 Resp: 465
Ion Ratio Lower Upper
50 100
52 40.0 26.4 39.6#





#5

Bromomethane

Concen: Below Cal

RT: 1.612 min Scan# 80

Delta R.T. 0.013 min

Lab File: VX028545.D

Acq: 06 May 2022 13:25

Instrument :

MSVOA_X

ClientSampleId :

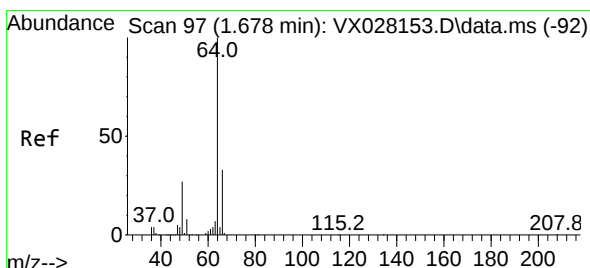
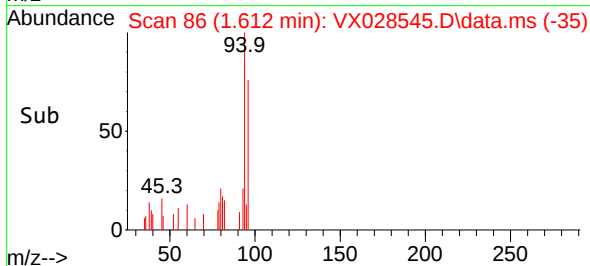
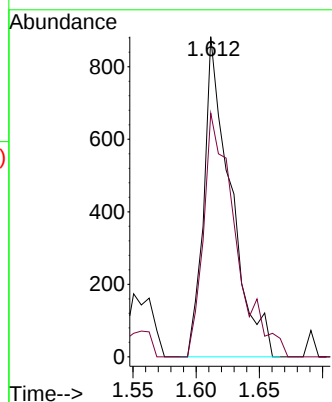
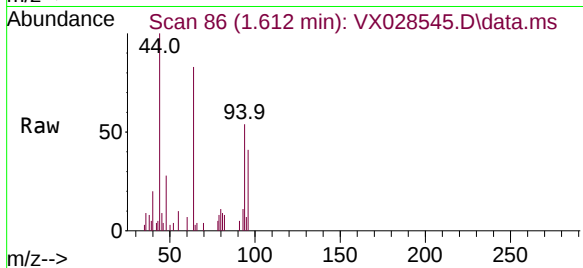
PB144610ZHE#02

Tgt Ion: 94 Resp: 1302

Ion Ratio Lower Upper

94 100

96 76.1 75.3 112.9



#6

Chloroethane

Concen: Below Cal

RT: 1.703 min Scan# 101

Delta R.T. 0.025 min

Lab File: VX028545.D

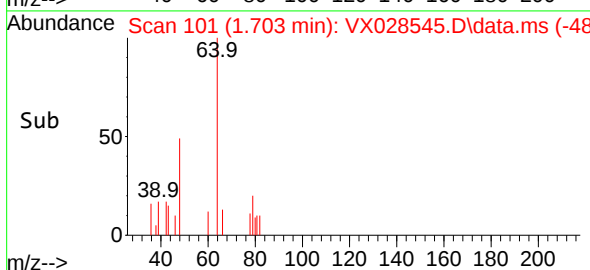
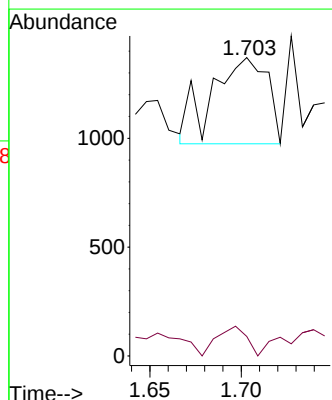
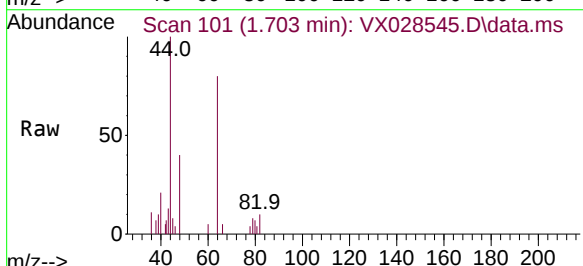
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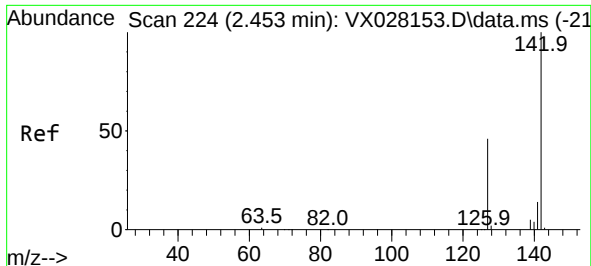
Tgt Ion: 64 Resp: 836

Ion Ratio Lower Upper

64 100

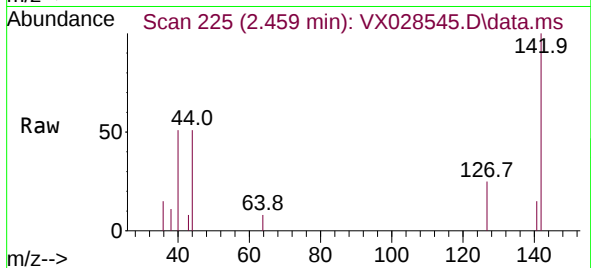
66 2.8 25.3 37.9#



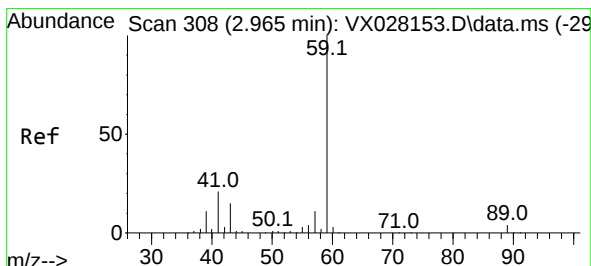
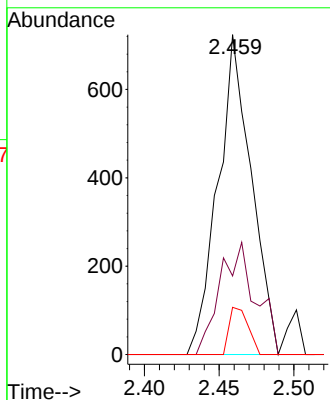
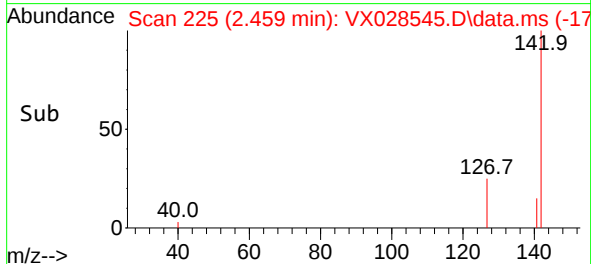


#10
Methyl Iodide
Concen: 5.467 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028545.D
Acq: 06 May 2022 13:25

Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#02

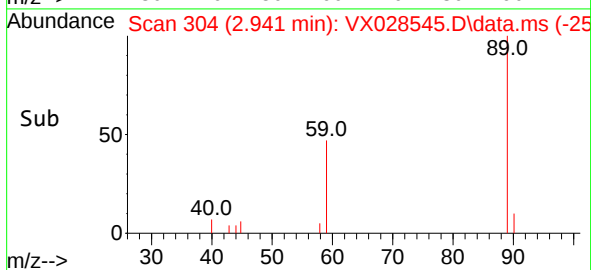
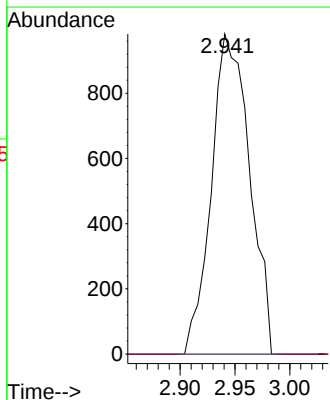
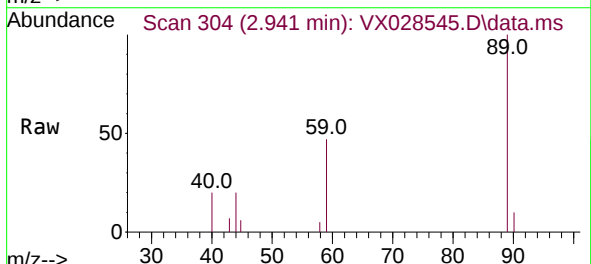


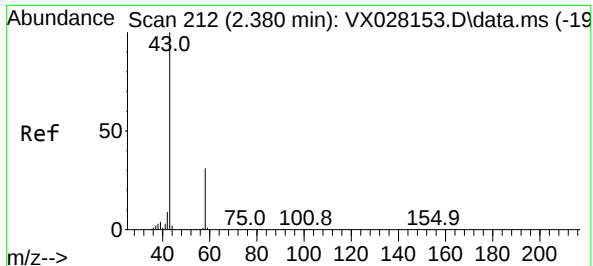
Tgt Ion:142 Resp: 1126
Ion Ratio Lower Upper
142 100
127 37.5 33.9 50.9
141 8.3 11.4 17.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.941 min Scan# 304
Delta R.T. -0.024 min
Lab File: VX028545.D
Acq: 06 May 2022 13:25

Tgt Ion: 59 Resp: 2378
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

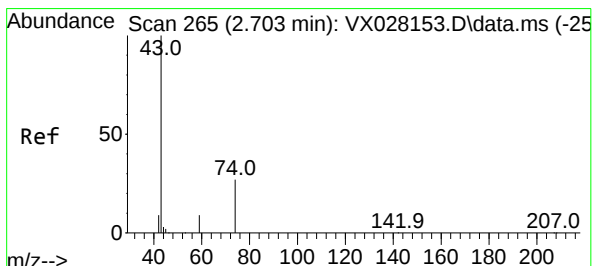
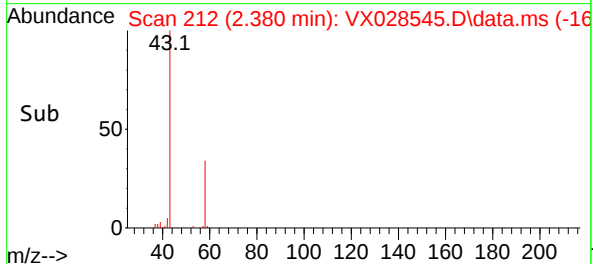
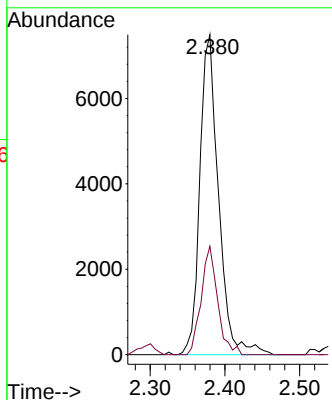
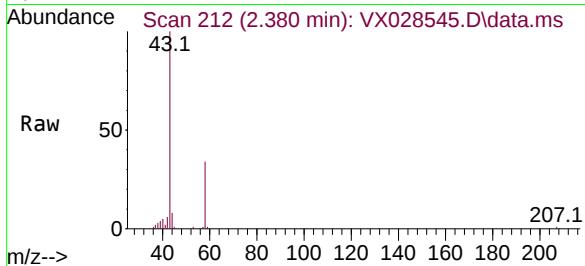




#16
Acetone
Concen: 6.991 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028545.D
Acq: 06 May 2022 13:25

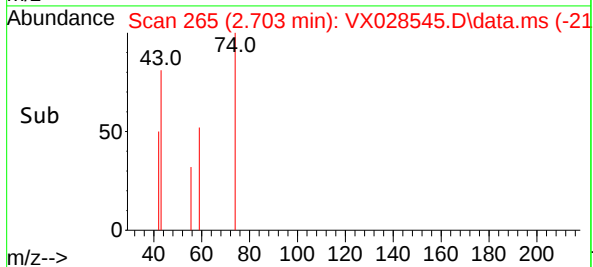
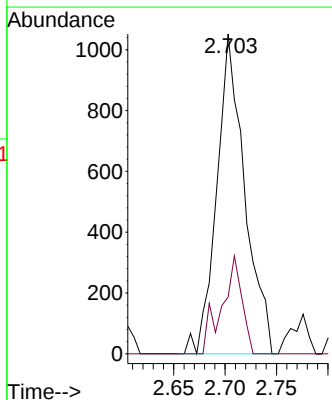
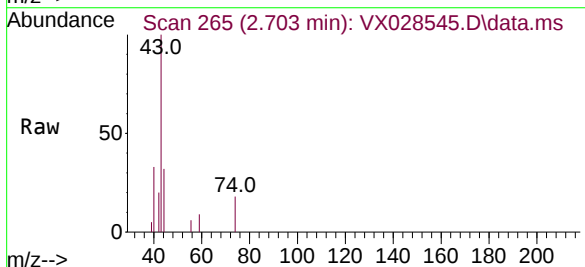
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#02

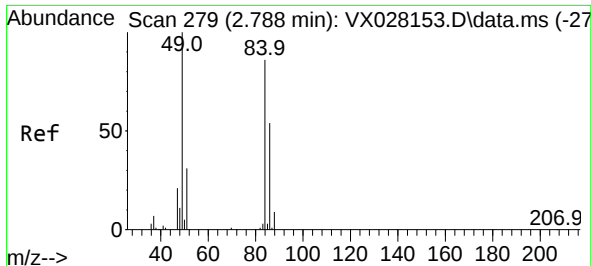
Tgt Ion: 43 Resp: 13006
Ion Ratio Lower Upper
43 100
58 33.8 28.8 43.2



#18
Methyl Acetate
Concen: 0.439 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX028545.D
Acq: 06 May 2022 13:25

Tgt Ion: 43 Resp: 1989
Ion Ratio Lower Upper
43 100
74 22.1 22.8 34.2#





#20

Methylene Chloride

Concen: 2.678 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX028545.D

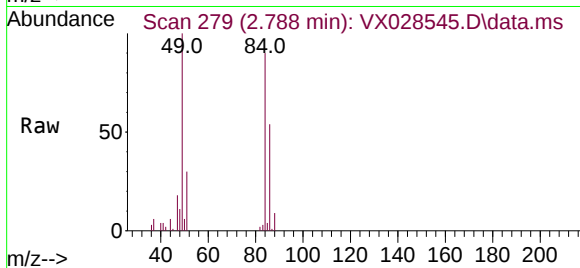
Acq: 06 May 2022 13:25

Instrument :

MSVOA_X

ClientSampleId :

PB144610ZHE#02



Tgt Ion: 84 Resp: 10137

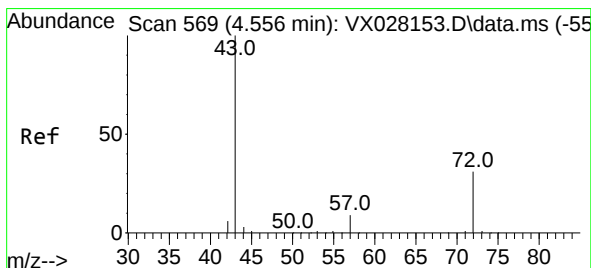
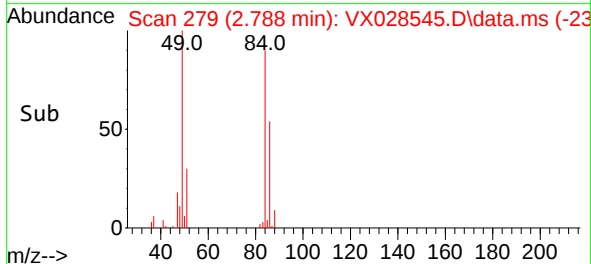
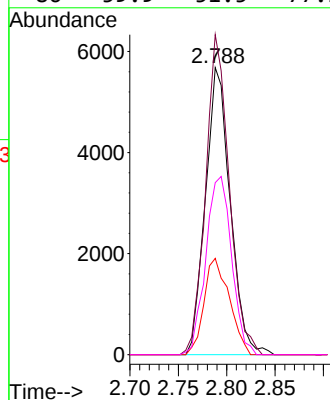
Ion Ratio Lower Upper

84 100

49 111.5 85.5 128.3

51 33.6 26.6 39.8

86 59.9 51.5 77.3



#25

2-Butanone

Concen: 0.586 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.012 min

Lab File: VX028545.D

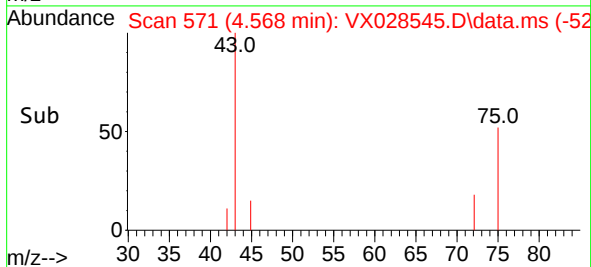
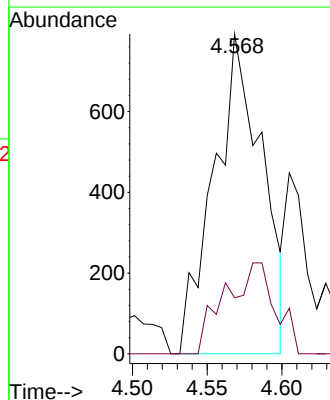
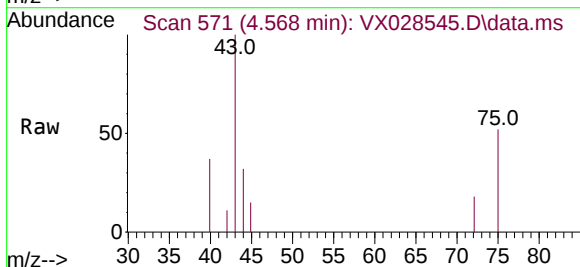
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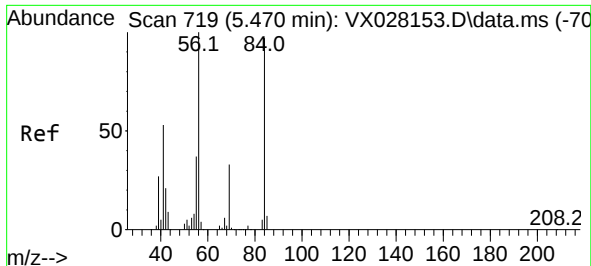
Tgt Ion: 43 Resp: 1769

Ion Ratio Lower Upper

43 100

72 17.6 24.4 36.6#

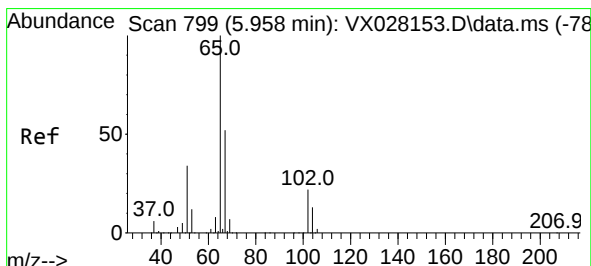
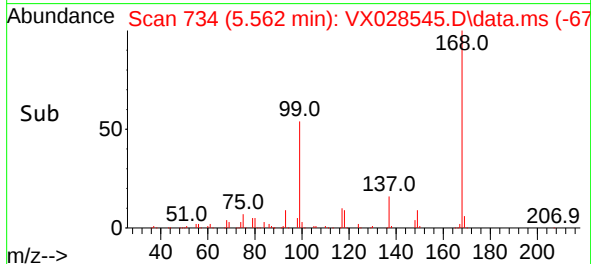
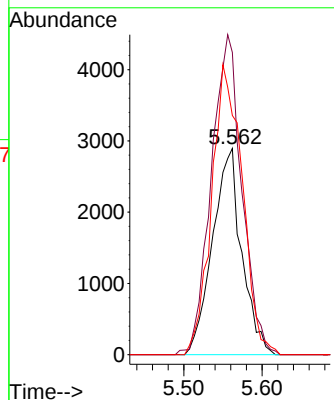
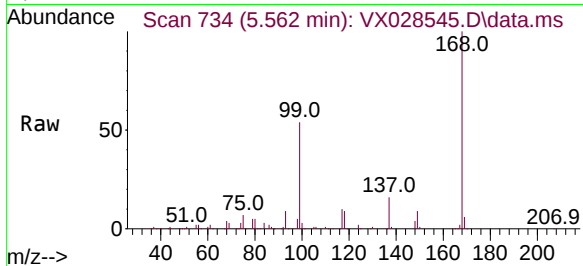




#31
Cyclohexane
Concen: 1.206 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.092 min
Lab File: VX028545.D
Acq: 06 May 2022 13:25

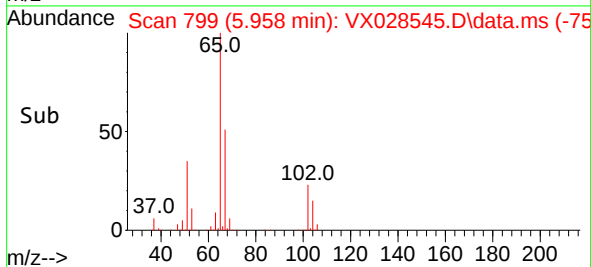
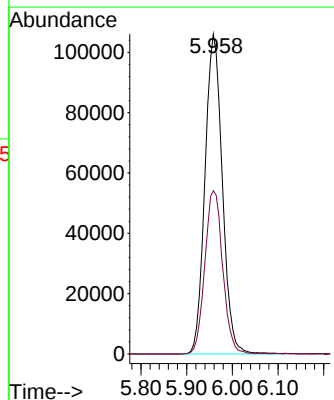
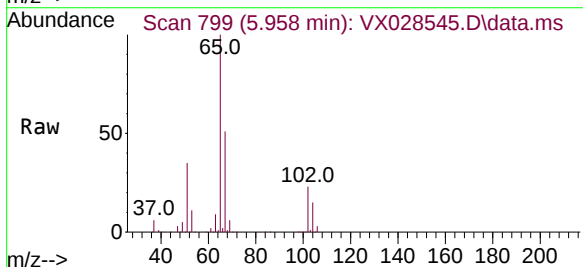
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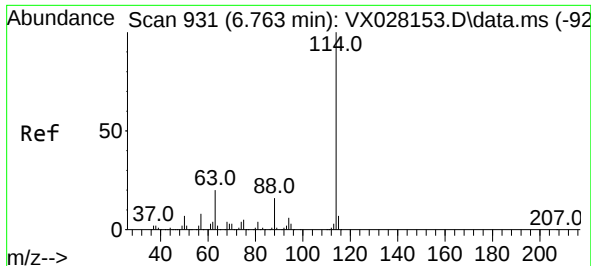
Tgt Ion: 56 Resp: 7492
Ion Ratio Lower Upper
56 100
69 146.5 26.7 40.1#
84 116.0 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 54.824 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028545.D
Acq: 06 May 2022 13:25

Tgt Ion: 65 Resp: 279663
Ion Ratio Lower Upper
65 100
67 52.5 0.0 107.4

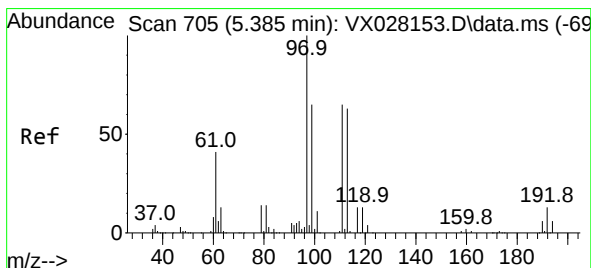
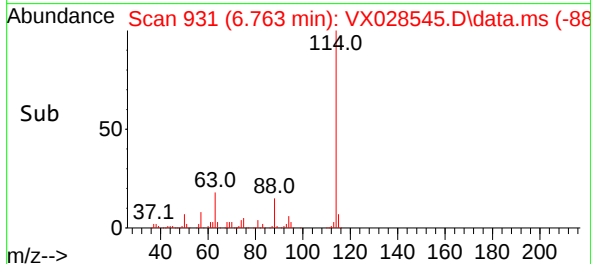
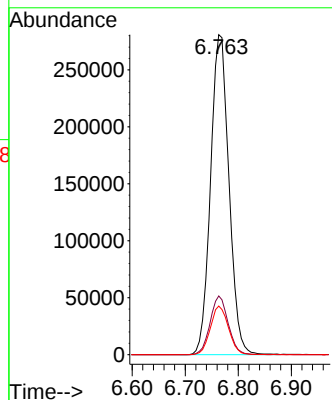
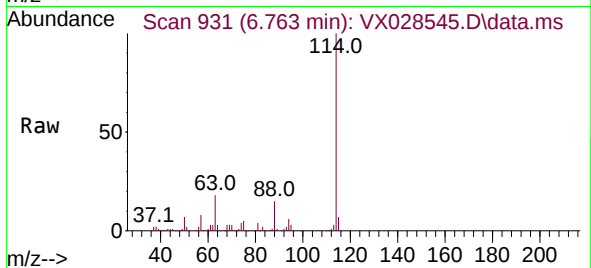




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX028545.D
Acq: 06 May 2022 13:25

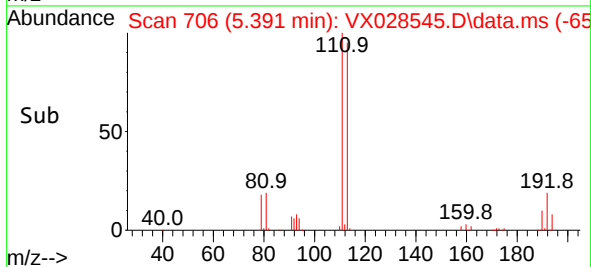
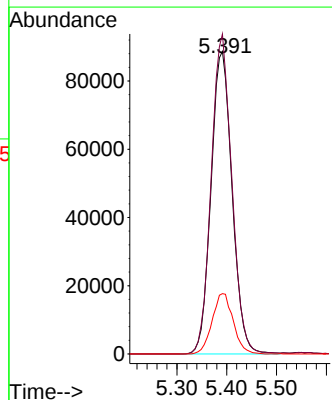
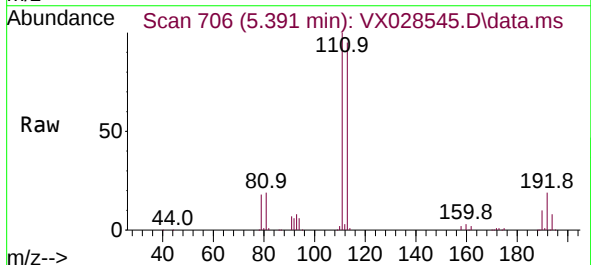
Instrument :
MSVOA_X
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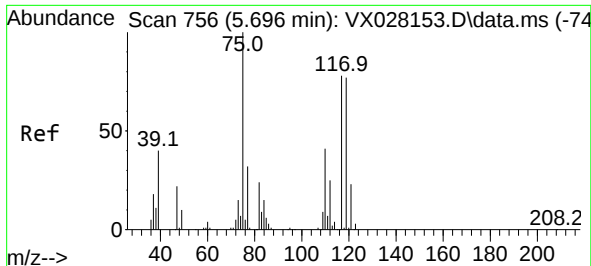
Tgt Ion:114 Resp: 676657
Ion Ratio Lower Upper
114 100
63 18.4 0.0 36.8
88 15.2 0.0 32.4



#35
Dibromofluoromethane
Concen: 54.846 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028545.D
Acq: 06 May 2022 13:25

Tgt Ion:113 Resp: 260265
Ion Ratio Lower Upper
113 100
111 103.3 82.8 124.2
192 19.9 16.9 25.3

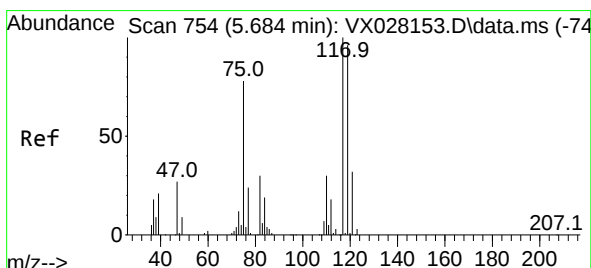
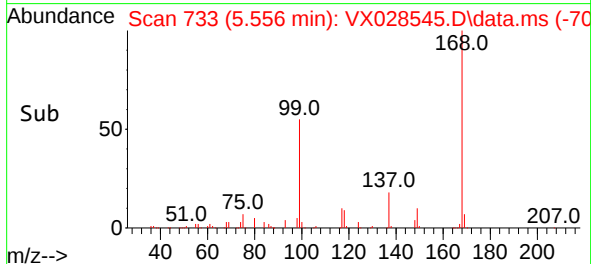
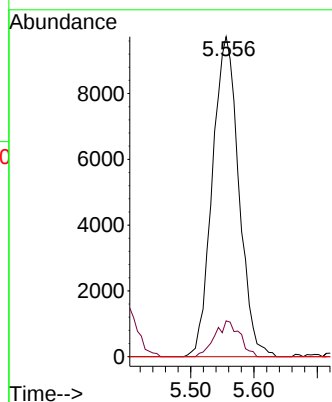
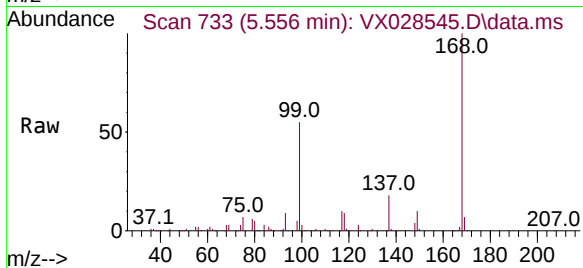




#36
1,1-Dichloropropene
Concen: 4.561 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX028545.D
Acq: 06 May 2022 13:25

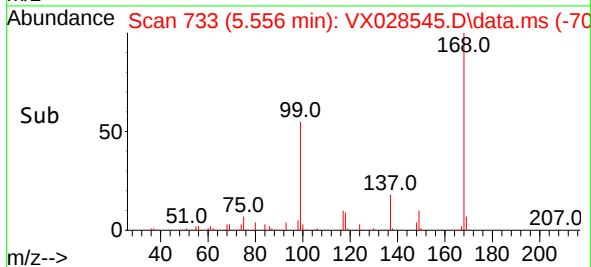
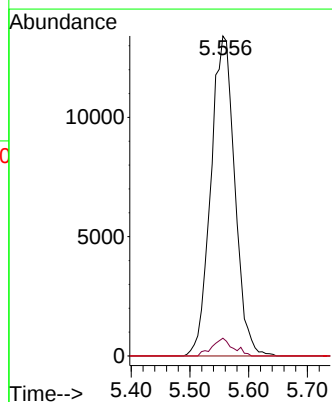
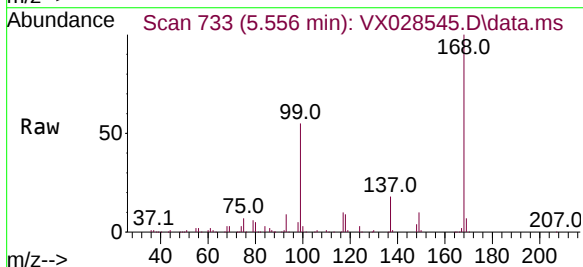
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#02

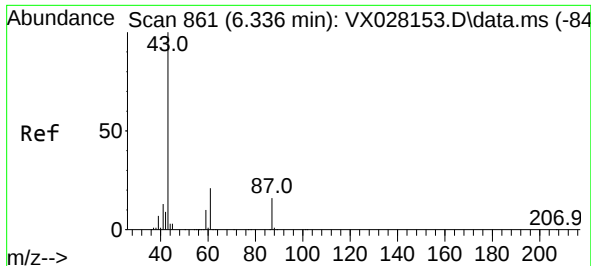
Tgt Ion: 75 Resp: 28231
Ion Ratio Lower Upper
75 100
110 10.5 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.437 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX028545.D
Acq: 06 May 2022 13:25

Tgt Ion: 117 Resp: 37993
Ion Ratio Lower Upper
117 100
119 5.5 77.3 115.9#
121 0.0 24.2 36.2#

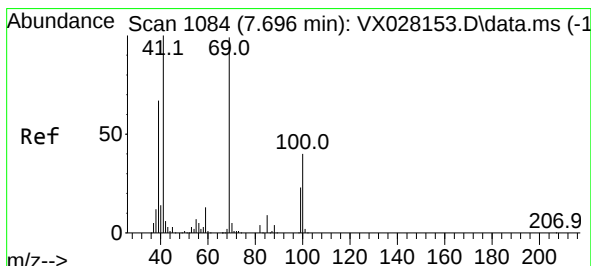
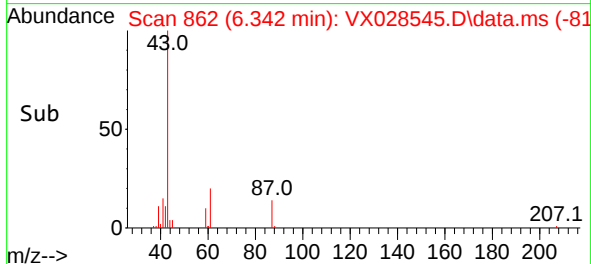
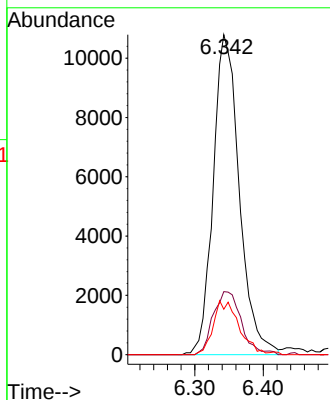
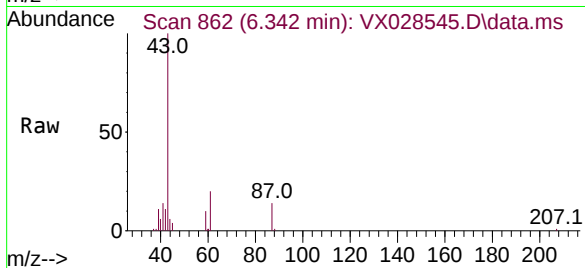




#43
Isopropyl Acetate
Concen: 2.791 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX028545.D
Acq: 06 May 2022 13:25

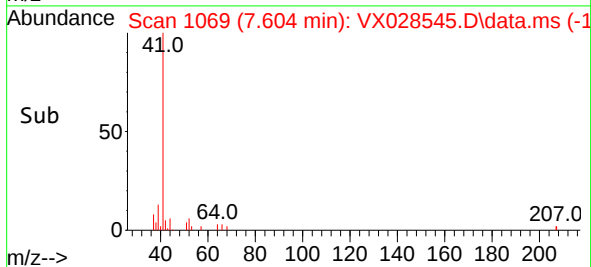
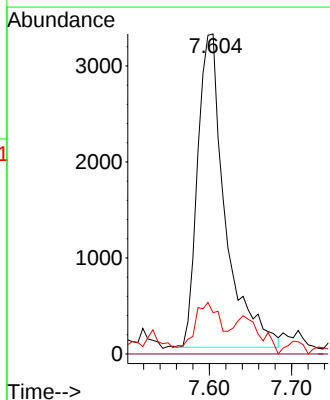
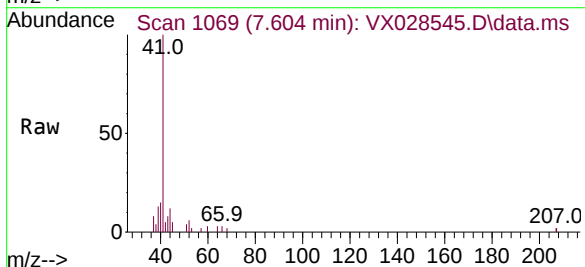
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#02

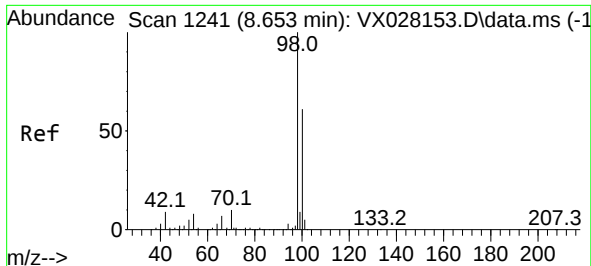
Tgt Ion: 43 Resp: 28526
Ion Ratio Lower Upper
43 100
61 21.2 18.5 27.7
87 16.9 13.0 19.6



#48
Methyl methacrylate
Concen: 1.622 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX028545.D
Acq: 06 May 2022 13:25

Tgt Ion: 41 Resp: 7610
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#

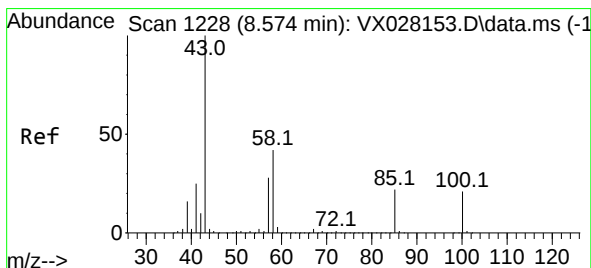
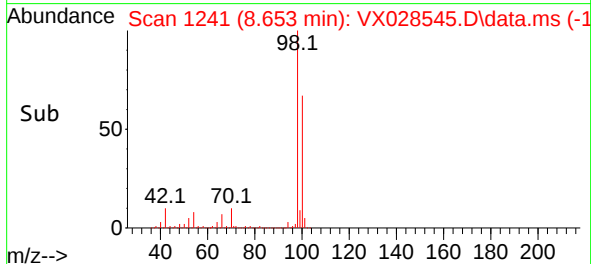
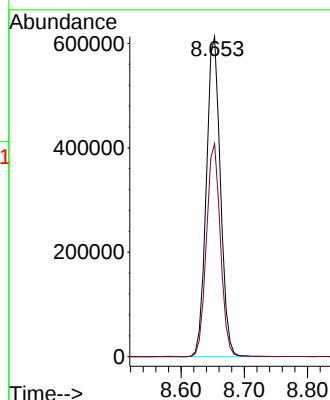
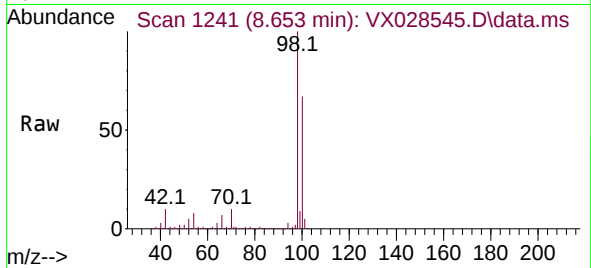




#50
Toluene-d8
Concen: 52.091 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028545.D
Acq: 06 May 2022 13:25

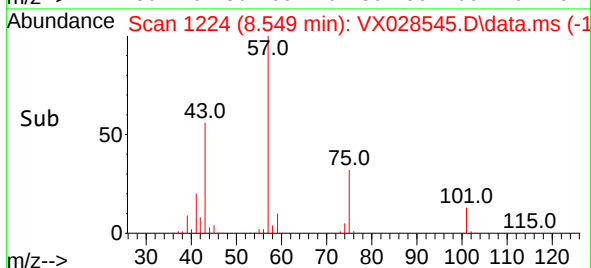
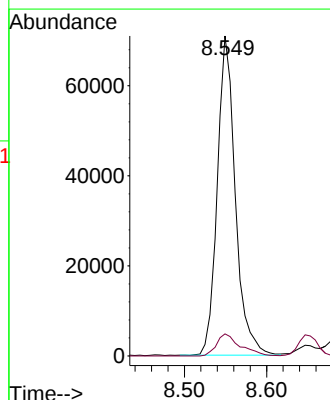
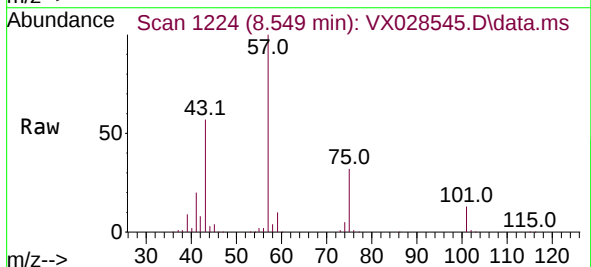
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#02

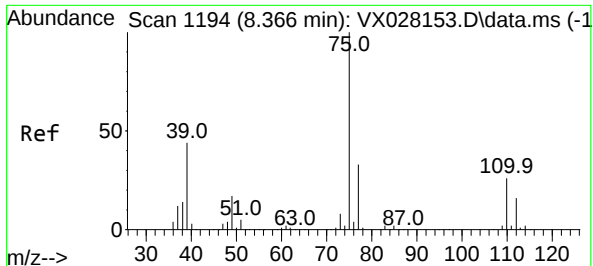
Tgt Ion: 98 Resp: 949409
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 16.500 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028545.D
Acq: 06 May 2022 13:25

Tgt Ion: 43 Resp: 108233
Ion Ratio Lower Upper
43 100
58 9.1 36.1 54.1#

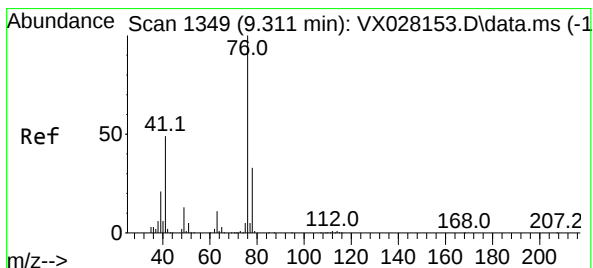
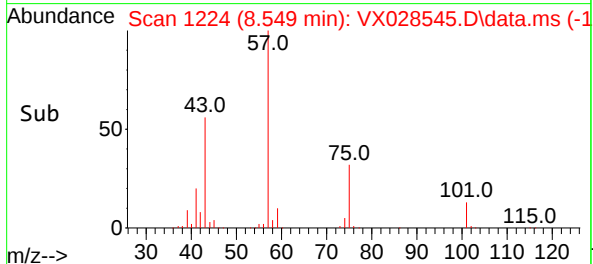
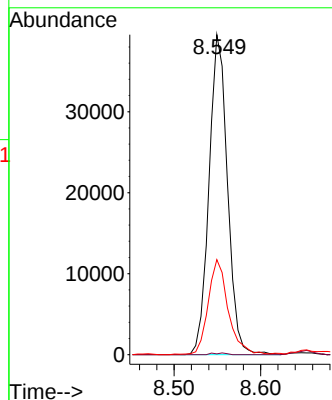
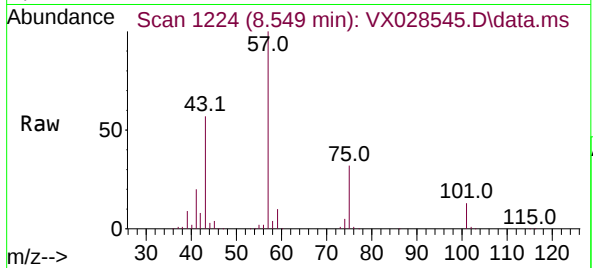




#54
 cis-1,3-Dichloropropene
 Concen: 7.664 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028545.D
 Acq: 06 May 2022 13:25

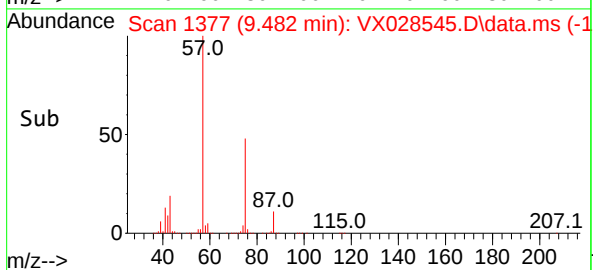
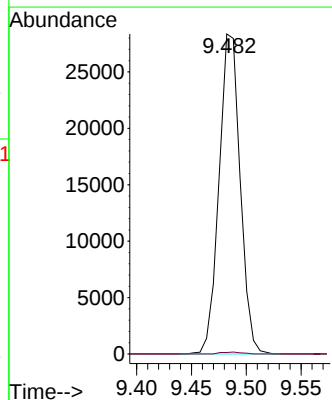
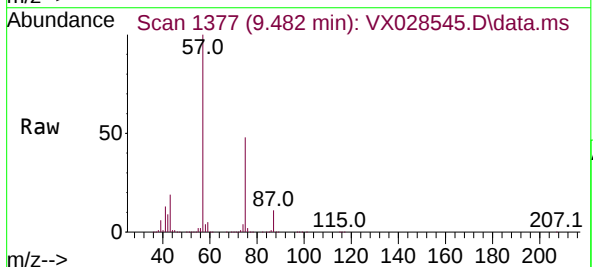
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144610ZHE#02

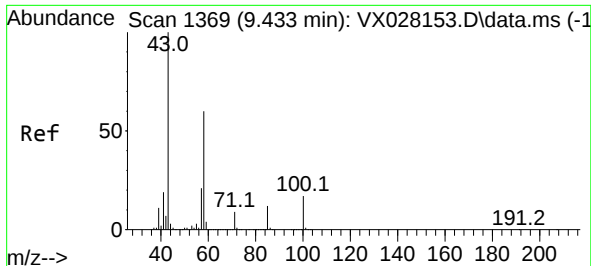
Tgt Ion: 75 Resp: 58482
 Ion Ratio Lower Upper
 75 100
 77 0.3 24.8 37.2#
 39 29.6 29.6 44.4#



#57
 1,3-Dichloropropane
 Concen: 4.613 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028545.D
 Acq: 06 May 2022 13:25

Tgt Ion: 76 Resp: 38083
 Ion Ratio Lower Upper
 76 100
 78 0.6 25.8 38.8#

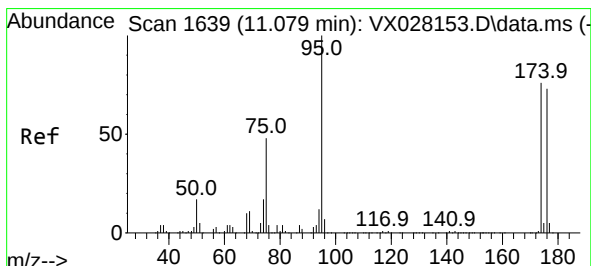
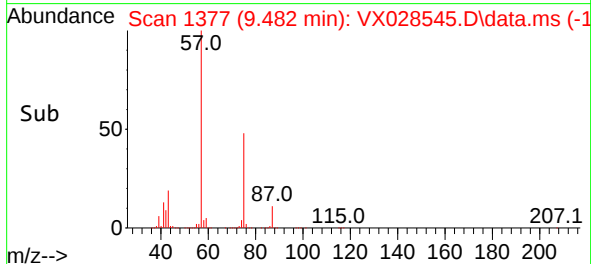
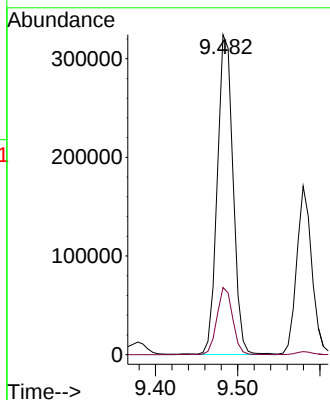
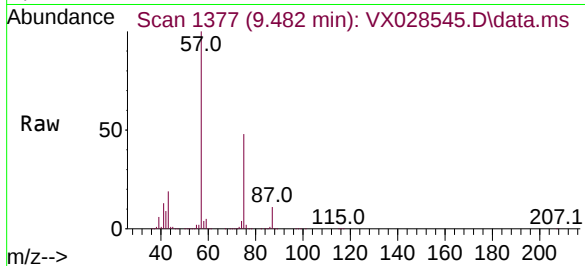




#59
2-Hexanone
Concen: 84.965 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX028545.D
Acq: 06 May 2022 13:25

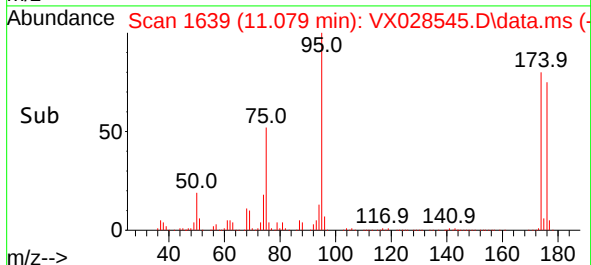
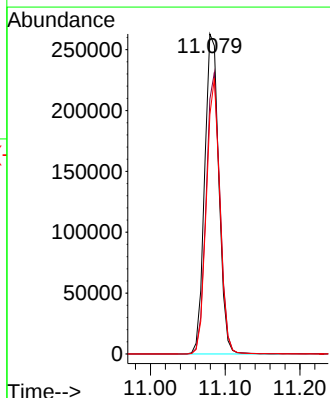
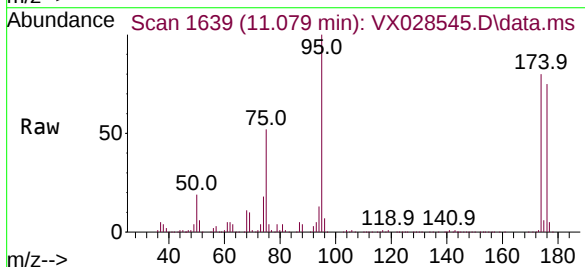
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#02

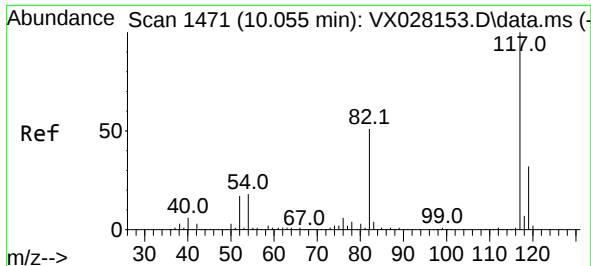
Tgt Ion: 43 Resp: 431720
Ion Ratio Lower Upper
43 100
58 21.0 31.9 95.7#



#62
4-Bromofluorobenzene
Concen: 49.750 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028545.D
Acq: 06 May 2022 13:25

Tgt Ion: 95 Resp: 346700
Ion Ratio Lower Upper
95 100
174 85.8 0.0 163.0
176 82.3 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: VX028545.D

Acq: 06 May 2022 13:25

Instrument :

MSVOA_X

ClientSampleId :

PB144610ZHE#02

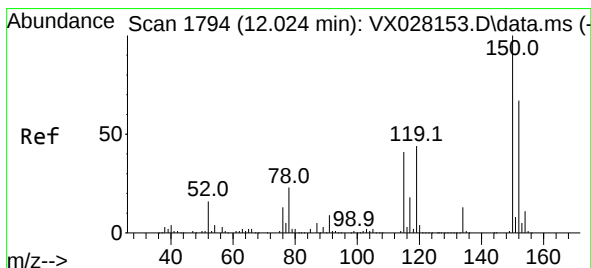
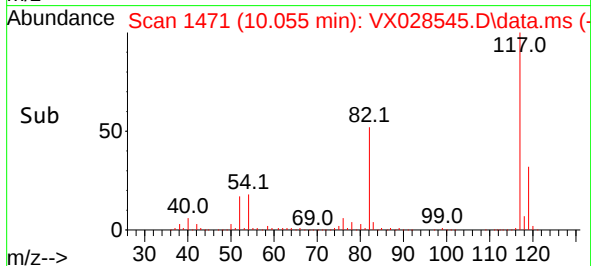
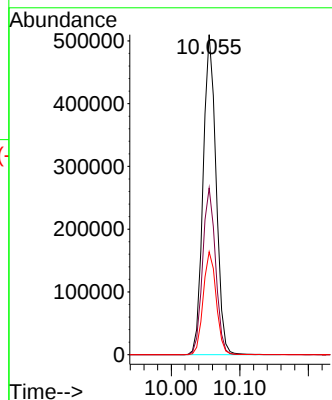
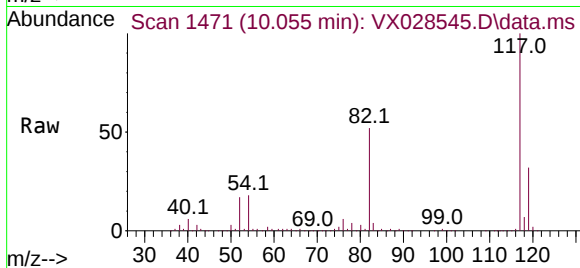
Tgt Ion:117 Resp: 671877

Ion Ratio Lower Upper

117 100

82 52.1 41.8 62.8

119 32.1 24.8 37.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX028545.D

Acq: 06 May 2022 13:25

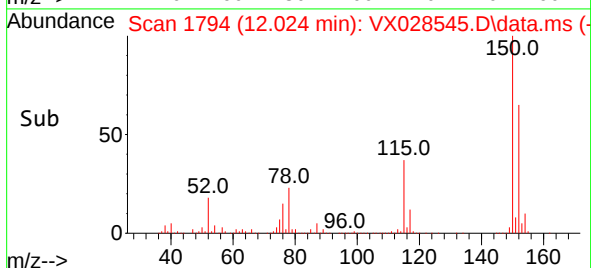
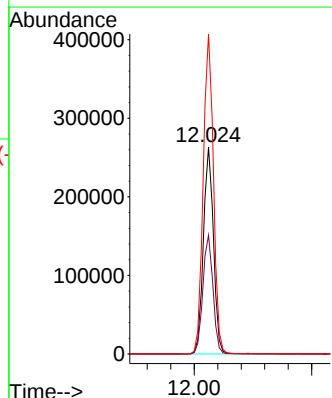
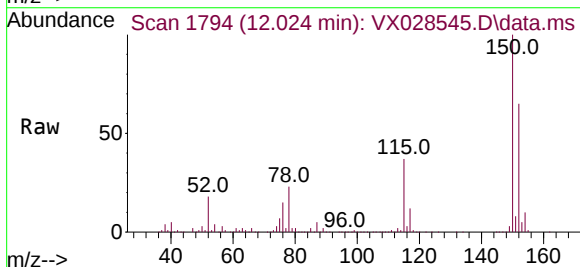
Tgt Ion:152 Resp: 313591

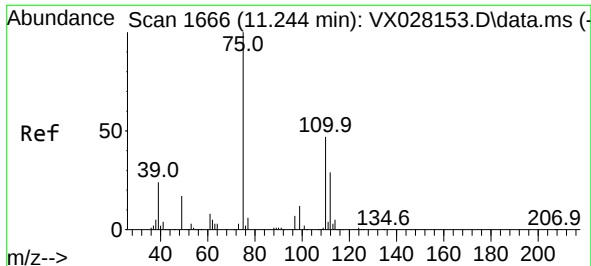
Ion Ratio Lower Upper

152 100

115 57.8 37.5 112.7

150 157.1 0.0 338.2

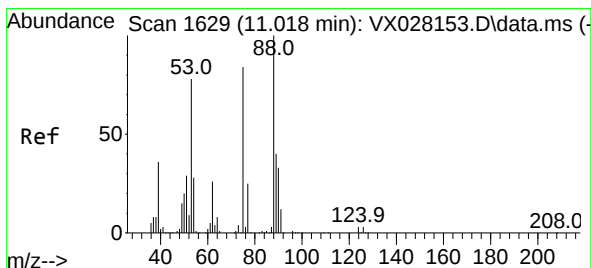
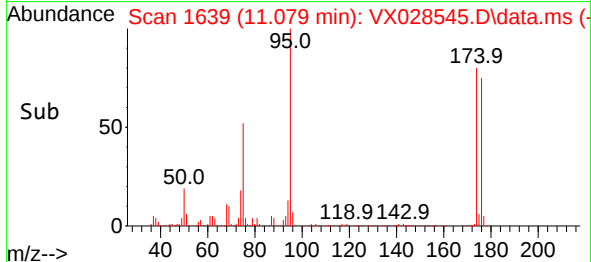
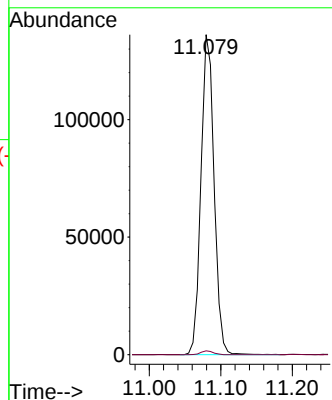
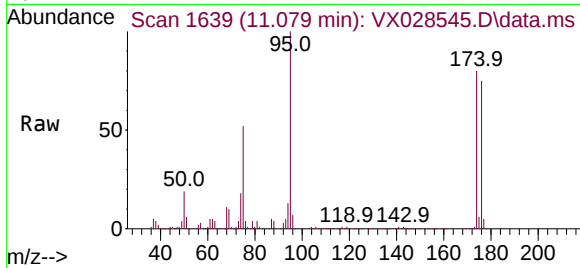




#76
1,2,3-Trichloropropane
Concen: 28.043 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028545.D
Acq: 06 May 2022 13:25

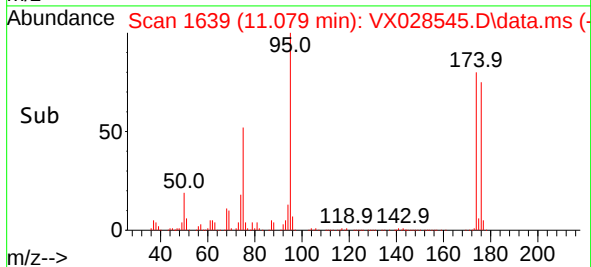
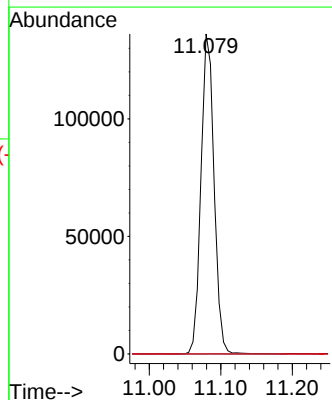
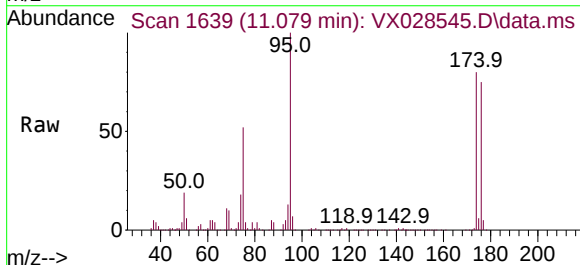
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#02

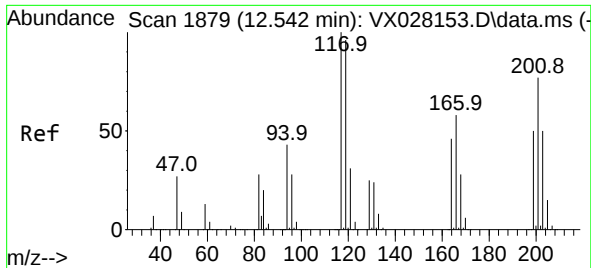
Tgt Ion: 75 Resp: 173070
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.335 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028545.D
Acq: 06 May 2022 13:25

Tgt Ion: 75 Resp: 173070
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#





#90
 Hexachloroethane
 Concen: 1.819 ug/l
 RT: 12.323 min Scan# 11
 Delta R.T. -0.219 min
 Lab File: VX028545.D
 Acq: 06 May 2022 13:25

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144610ZHE#02

Tgt Ion:117 Resp: 19
 Ion Ratio Lower Upper
 117 100
 201 0.0 39.5 118.5#

