

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050622\
 Data File : VX028546.D
 Acq On : 06 May 2022 13:49
 Operator : JC/MD
 Sample : PB144610ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144610ZHE#03

Quant Time: May 07 06:01:26 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)

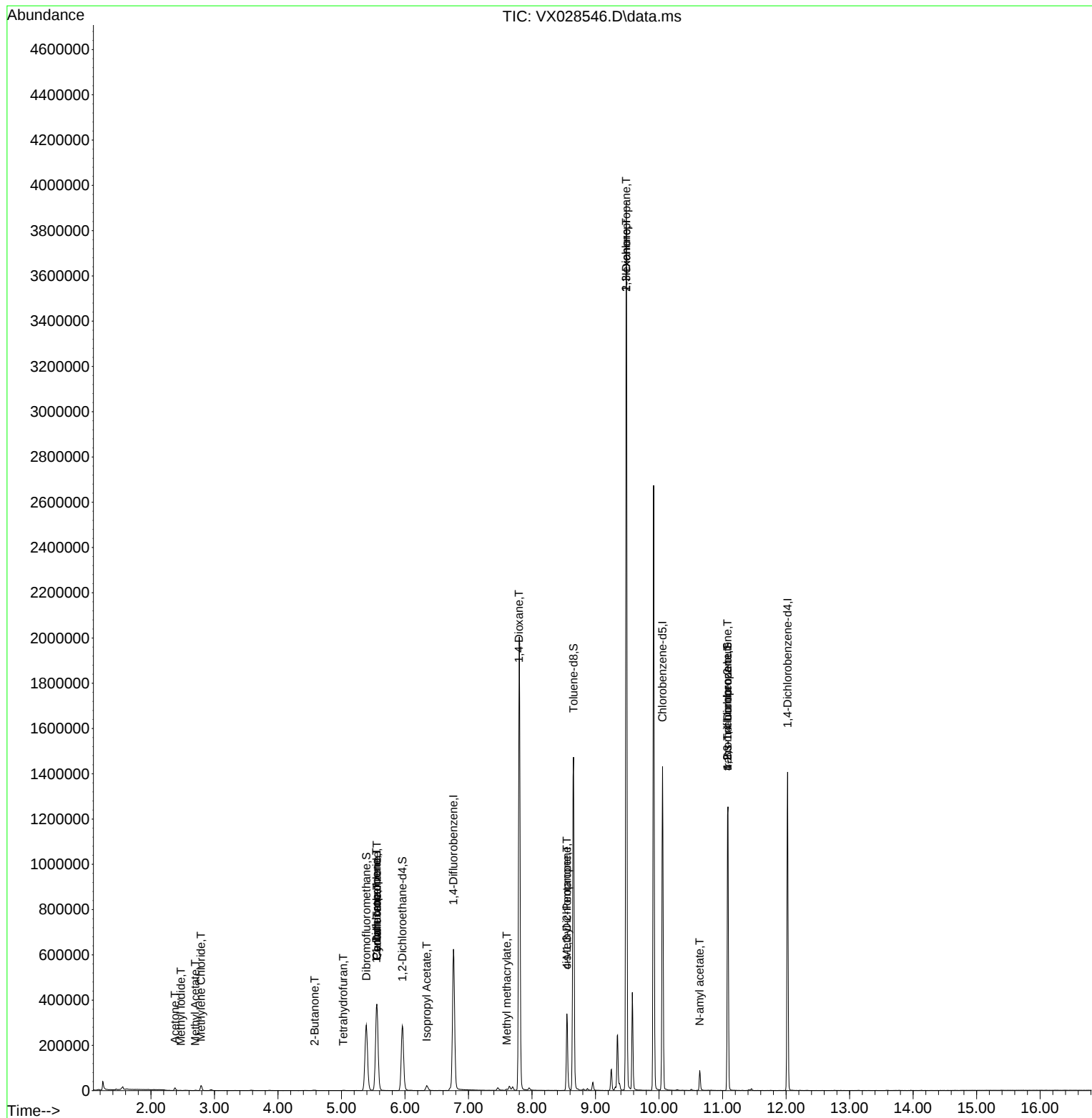
Internal Standards						
1) Pentafluorobenzene	5.556	168	377916	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	656554	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	644164	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	295080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	270584	54.912	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 109.820%			
35) Dibromofluoromethane	5.391	113	248487	53.968	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 107.940%			
50) Toluene-d8	8.653	98	912084	51.576	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.160%			
62) 4-Bromofluorobenzene	11.079	95	329022	48.659	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 97.320%			
Target Compounds					Qvalue	
3) Chloromethane	1.295	50	433	Below Cal		95
5) Bromomethane	1.618	94	1203	Below Cal	#	74
6) Chloroethane	1.685	64	269	Below Cal	#	43
8) Diethyl Ether	2.044	74	59	Below Cal	#	1
10) Methyl Iodide	2.471	142	897	5.426 ug/l	#	90
11) Tert butyl alcohol	2.953	59	2028	Below Cal	#	72
16) Acetone	2.380	43	12057	6.652 ug/l		92
18) Methyl Acetate	2.697	43	1872	0.427 ug/l		98
20) Methylene Chloride	2.788	84	10045	2.747 ug/l		98
25) 2-Butanone	4.574	43	2311	0.792 ug/l	#	85
29) Tetrahydrofuran	5.026	42	426	0.224 ug/l	#	61
31) Cyclohexane	5.556	56	7348	1.224 ug/l	#	1
36) 1,1-Dichloropropene	5.550	75	27077	4.508 ug/l	#	51
38) Carbon Tetrachloride	5.556	117	37256	5.495 ug/l	#	16
43) Isopropyl Acetate	6.342	43	28330	2.856 ug/l		98
48) Methyl methacrylate	7.604	41	7144	1.569 ug/l	#	7
49) 1,4-Dioxane	7.793	88	438	3.596 ug/l	#	1
51) 4-Methyl-2-Pentanone	8.549	43	106117	16.673 ug/l	#	45
54) cis-1,3-Dichloropropene	8.549	75	58083	7.844 ug/l	#	70
57) 1,3-Dichloropropane	9.482	76	37450	4.675 ug/l	#	43
59) 2-Hexanone	9.482	43	427599	86.731 ug/l	#	45
74) N-amyl acetate	10.640	43	19441	2.773 ug/l	#	45
76) 1,2,3-Trichloropropane	11.079	75	164430	28.314 ug/l	#	38
81) trans-1,4-Dichloro-2-b...	11.079	75	164430	84.142 ug/l	#	15

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

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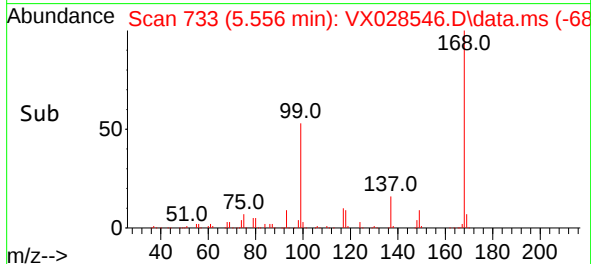
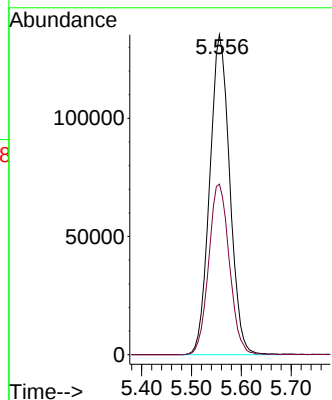
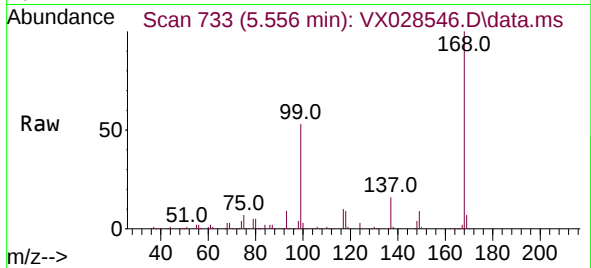




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX028546.D
Acq: 06 May 2022 13:49

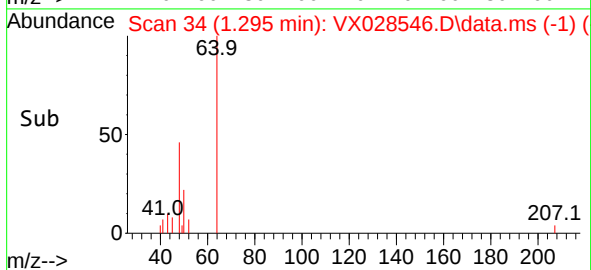
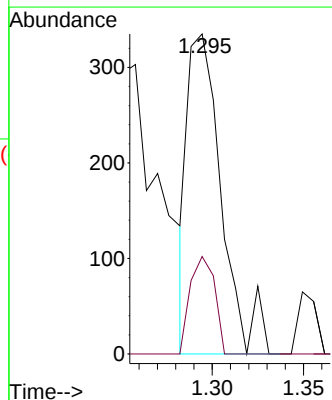
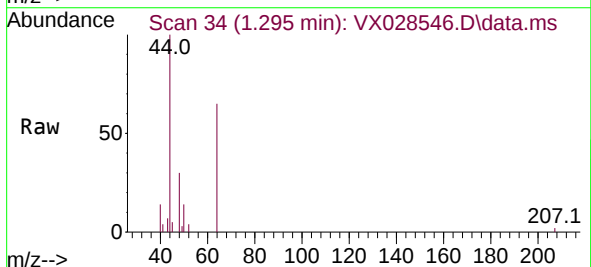
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#03

Tgt Ion:168 Resp: 377916
Ion Ratio Lower Upper
168 100
99 53.3 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028546.D
Acq: 06 May 2022 13:49

Tgt Ion: 50 Resp: 433
Ion Ratio Lower Upper
50 100
52 30.4 26.4 39.6

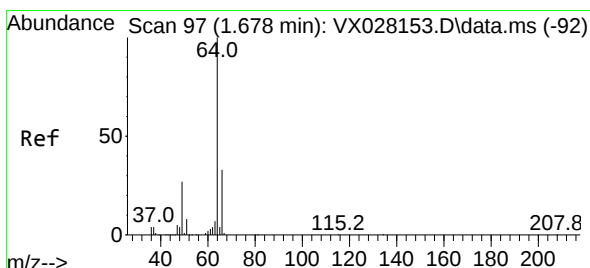
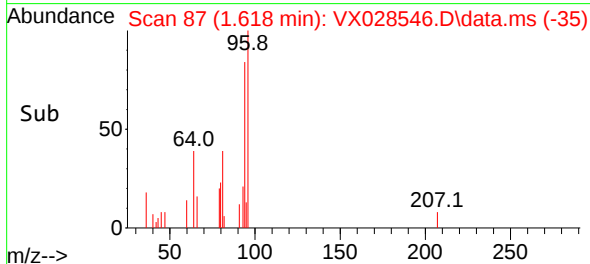
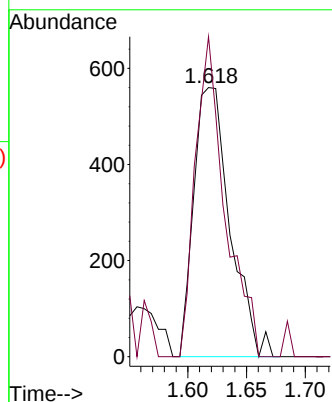
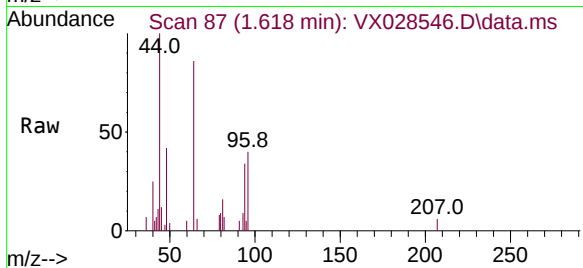




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX028546.D
Acq: 06 May 2022 13:49

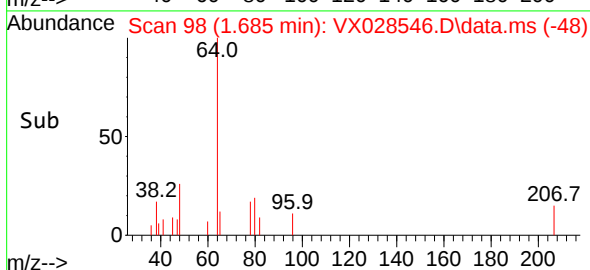
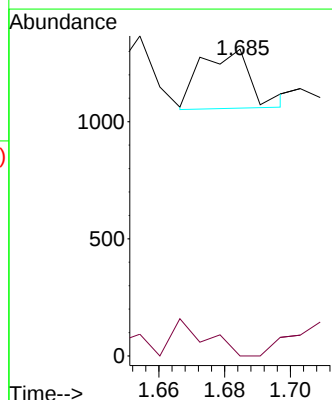
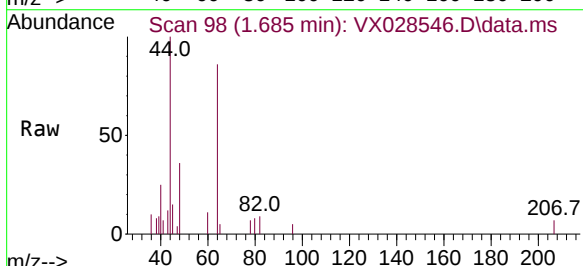
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#03

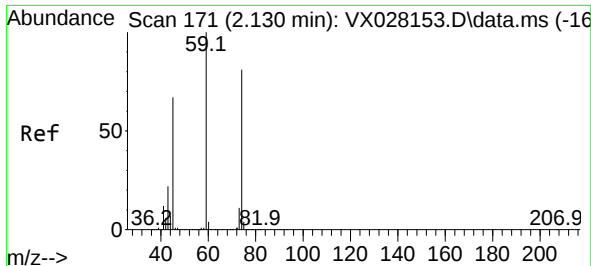
Tgt Ion: 94 Resp: 1203
Ion Ratio Lower Upper
94 100
96 118.9 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.685 min Scan# 98
Delta R.T. 0.007 min
Lab File: VX028546.D
Acq: 06 May 2022 13:49

Tgt Ion: 64 Resp: 269
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

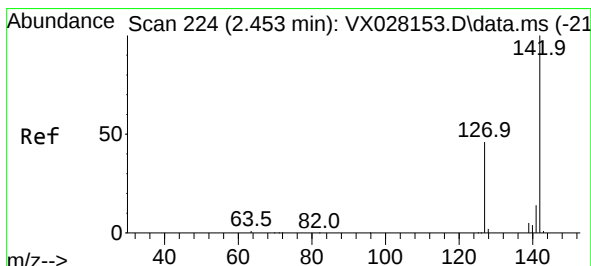
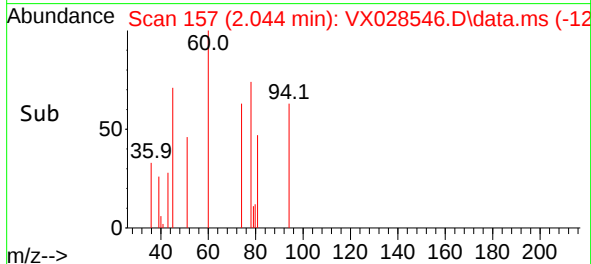
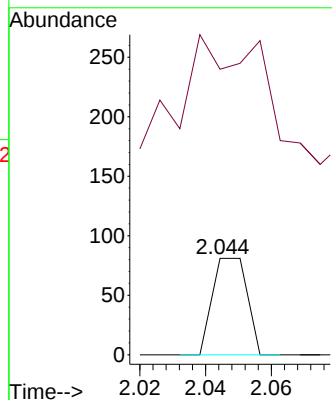
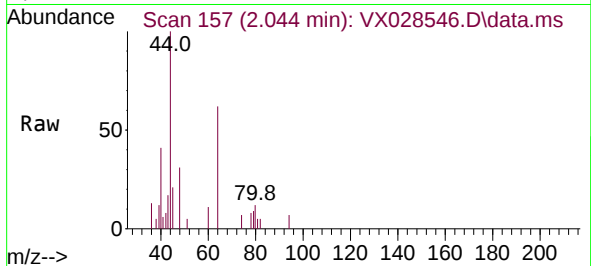




#8
Diethyl Ether
Concen: Below Cal
RT: 2.044 min Scan# 11
Delta R.T. -0.086 min
Lab File: VX028546.D
Acq: 06 May 2022 13:49

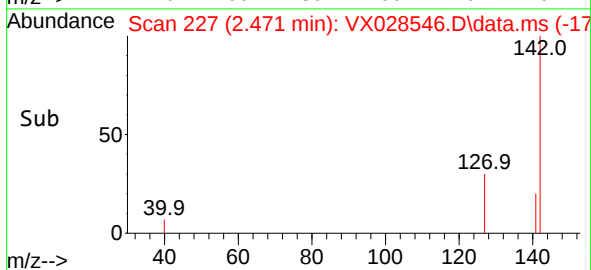
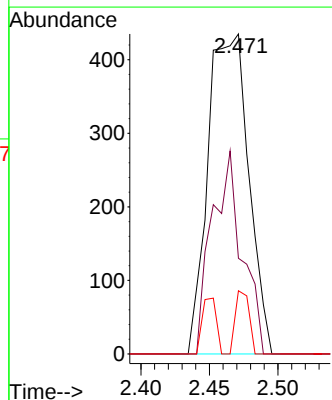
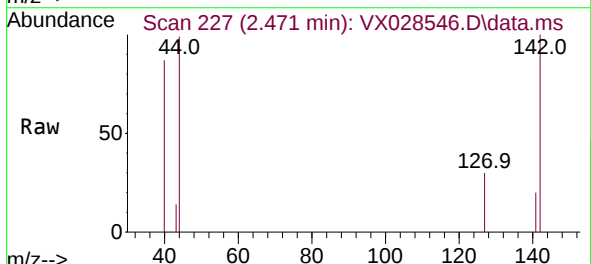
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#03

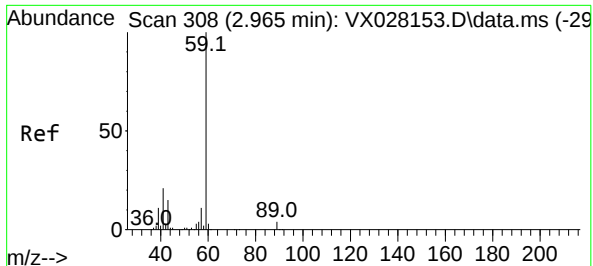
Tgt Ion: 74 Resp: 59
Ion Ratio Lower Upper
74 100
45 813.6 42.0 126.0#



#10
Methyl Iodide
Concen: 5.426 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX028546.D
Acq: 06 May 2022 13:49

Tgt Ion: 142 Resp: 897
Ion Ratio Lower Upper
142 100
127 47.2 33.9 50.9
141 6.7 11.4 17.2#

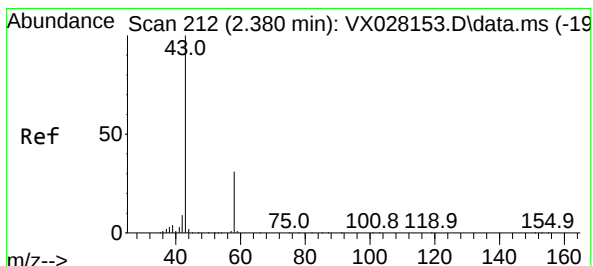
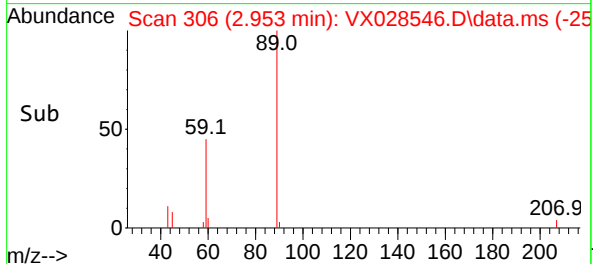
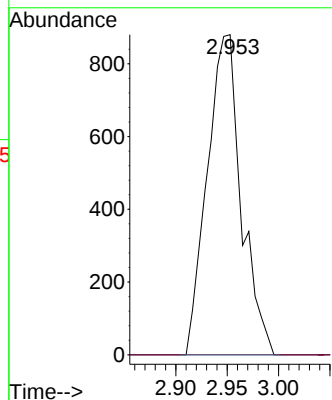
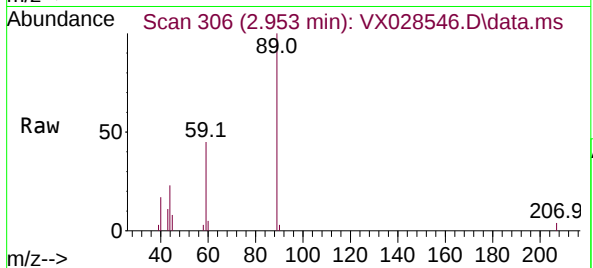




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX028546.D
Acq: 06 May 2022 13:49

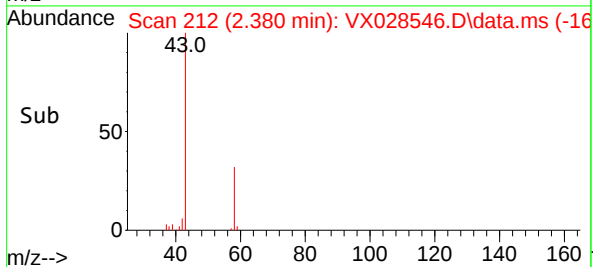
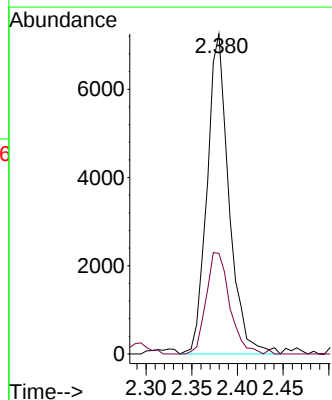
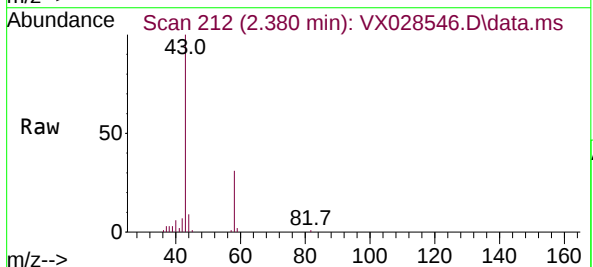
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#03

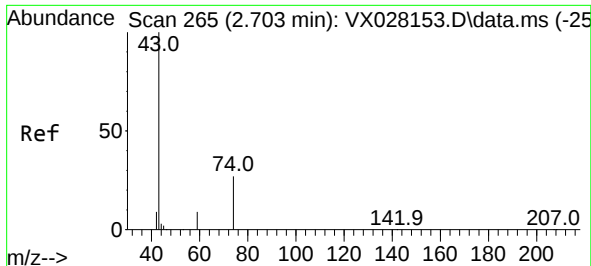
Tgt Ion: 59 Resp: 2028
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 6.652 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028546.D
Acq: 06 May 2022 13:49

Tgt Ion: 43 Resp: 12057
Ion Ratio Lower Upper
43 100
58 31.5 28.8 43.2

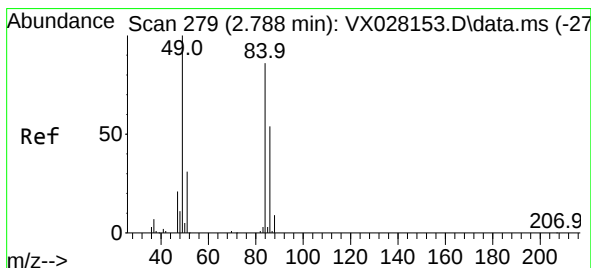
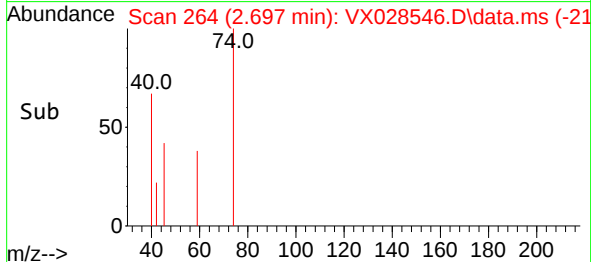
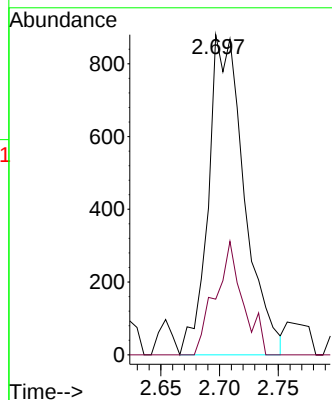
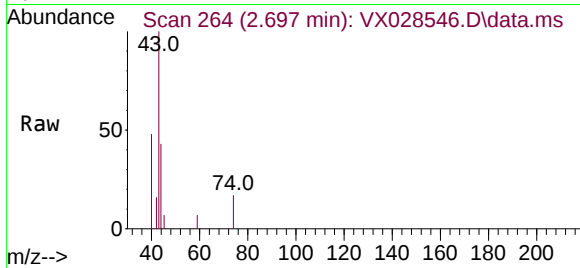




#18
Methyl Acetate
Concen: 0.427 ug/l
RT: 2.697 min Scan# 20
Delta R.T. -0.006 min
Lab File: VX028546.D
Acq: 06 May 2022 13:49

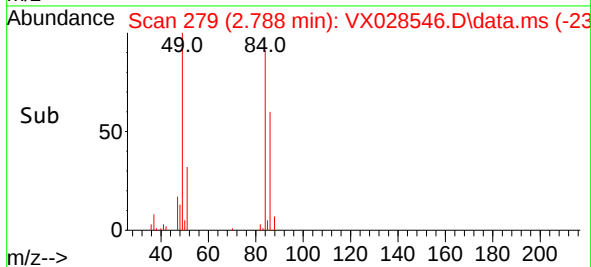
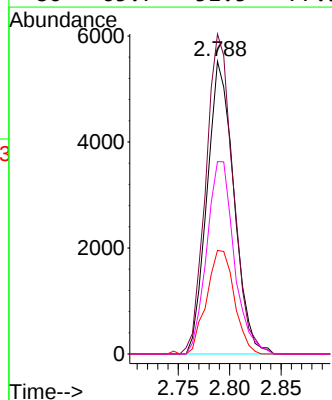
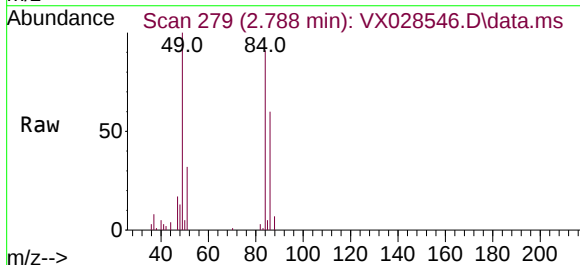
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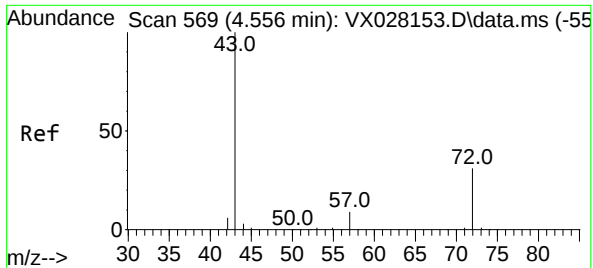
Tgt Ion: 43 Resp: 1872
Ion Ratio Lower Upper
43 100
74 27.2 22.8 34.2



#20
Methylene Chloride
Concen: 2.747 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028546.D
Acq: 06 May 2022 13:49

Tgt Ion: 84 Resp: 10045
Ion Ratio Lower Upper
84 100
49 109.3 85.5 128.3
51 35.4 26.6 39.8
86 65.7 51.5 77.3

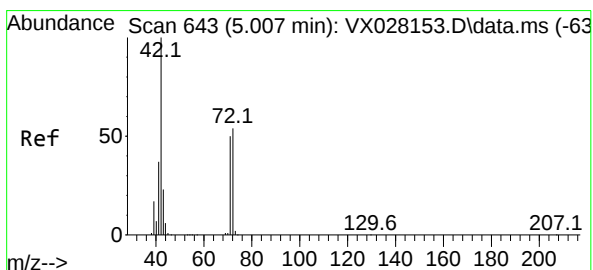
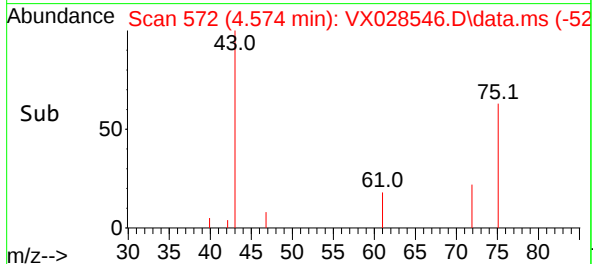
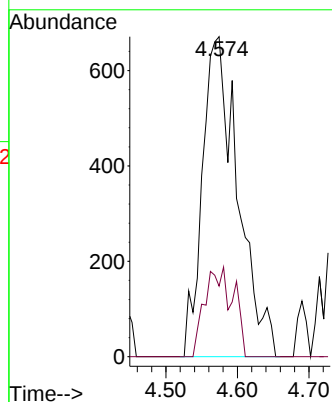
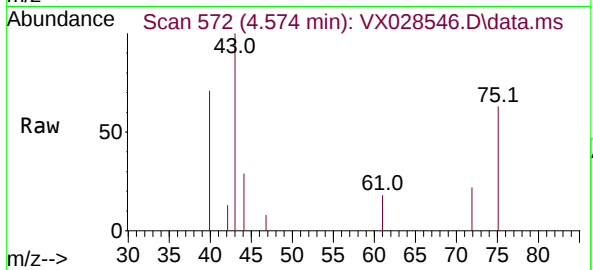




#25
2-Butanone
Concen: 0.792 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX028546.D
Acq: 06 May 2022 13:49

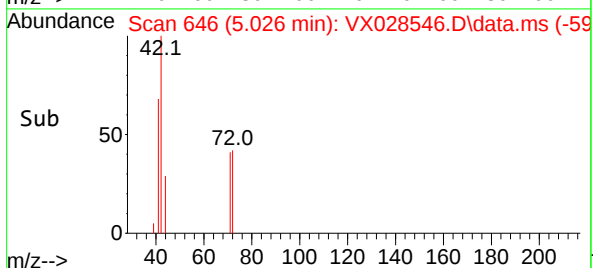
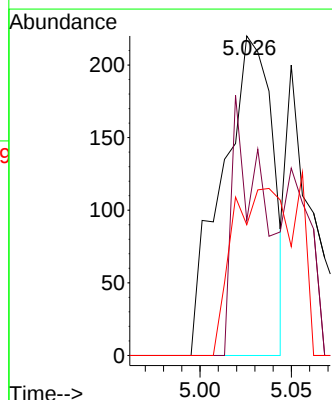
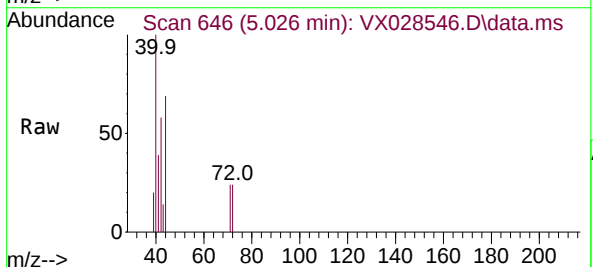
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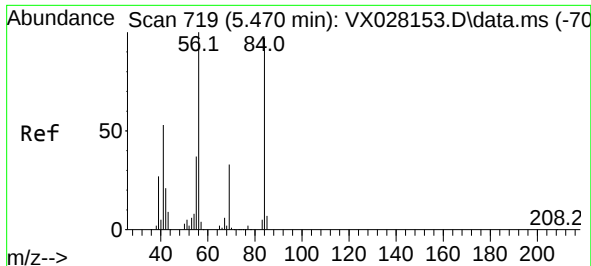
Tgt Ion: 43 Resp: 2311
Ion Ratio Lower Upper
43 100
72 22.1 24.4 36.6#



#29
Tetrahydrofuran
Concen: 0.224 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.019 min
Lab File: VX028546.D
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Tgt Ion: 42 Resp: 426
Ion Ratio Lower Upper
42 100
72 50.0 44.1 66.1
71 0.0 40.5 60.7#

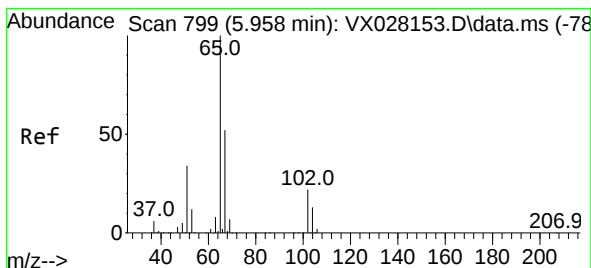
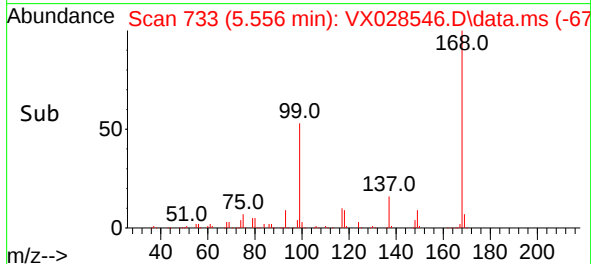
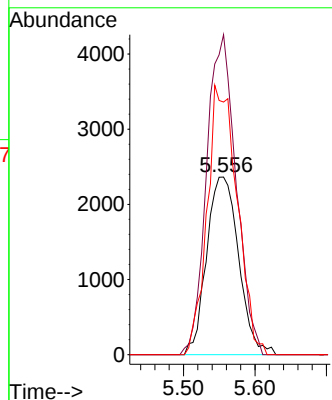
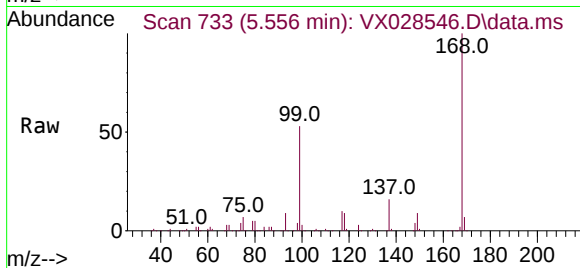




#31
Cyclohexane
Concen: 1.224 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX028546.D
Acq: 06 May 2022 13:49

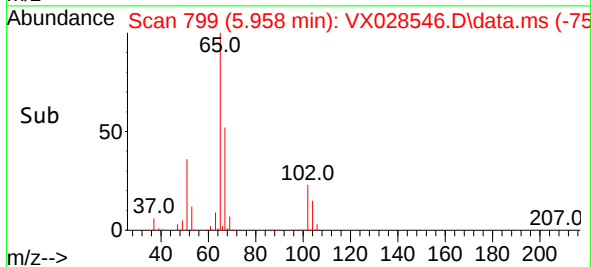
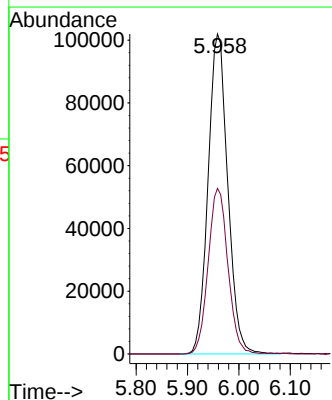
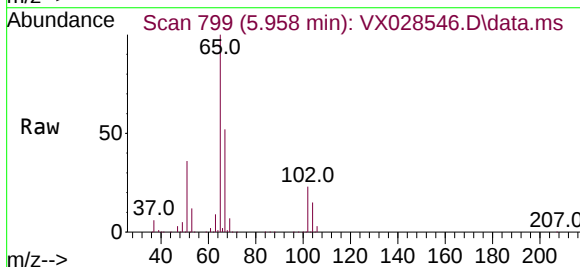
Instrument :
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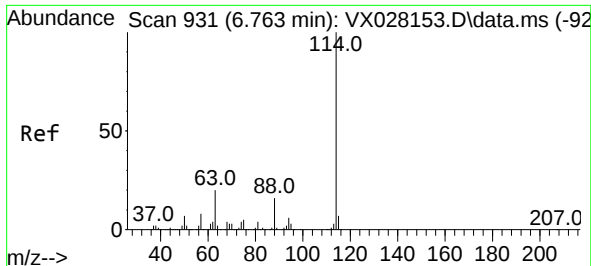
Tgt Ion: 56 Resp: 7348
Ion Ratio Lower Upper
56 100
69 180.1 26.7 40.1#
84 142.2 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 54.912 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028546.D
Acq: 06 May 2022 13:49

Tgt Ion: 65 Resp: 270584
Ion Ratio Lower Upper
65 100
67 52.1 0.0 107.4

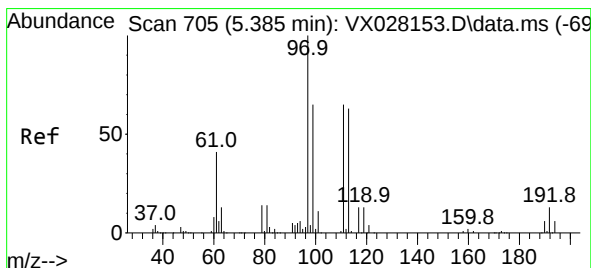
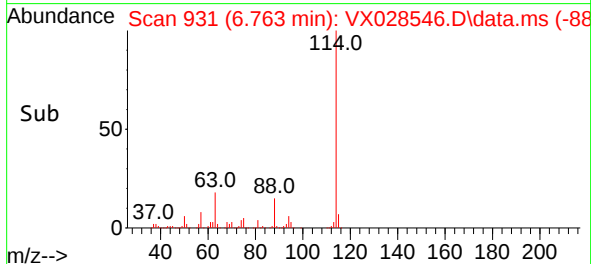
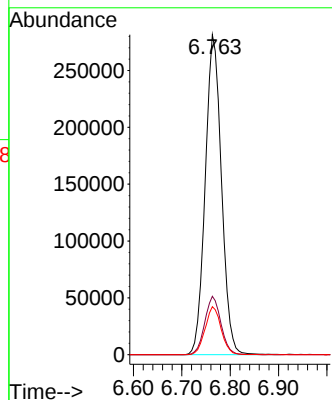
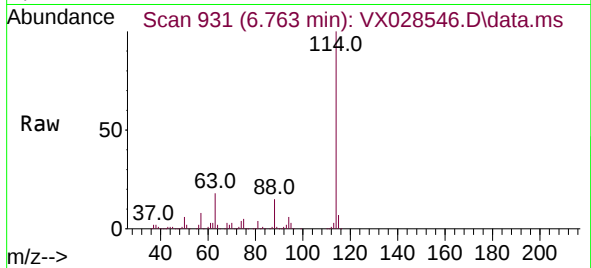




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX028546.D
Acq: 06 May 2022 13:49

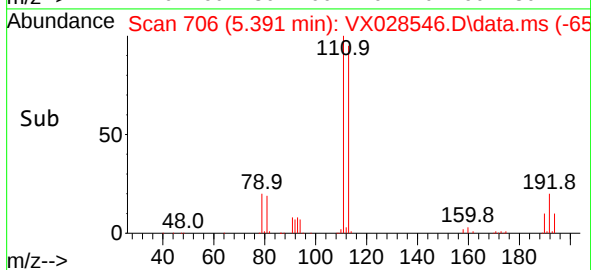
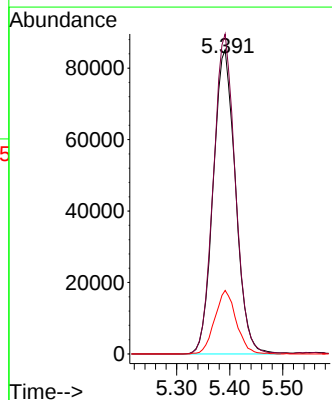
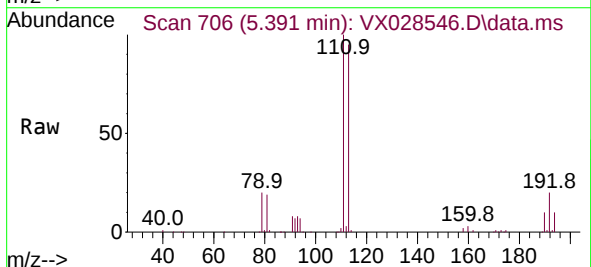
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#03

Tgt Ion:114 Resp: 656554
Ion Ratio Lower Upper
114 100
63 18.3 0.0 36.8
88 15.0 0.0 32.4



#35
Dibromofluoromethane
Concen: 53.968 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028546.D
Acq: 06 May 2022 13:49

Tgt Ion:113 Resp: 248487
Ion Ratio Lower Upper
113 100
111 103.6 82.8 124.2
192 20.1 16.9 25.3

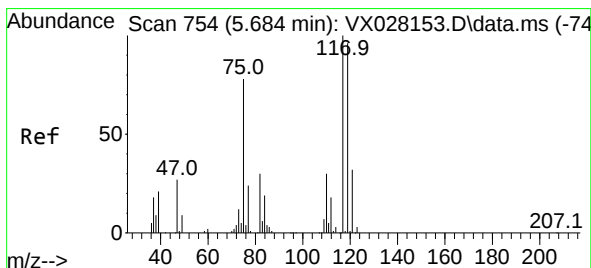
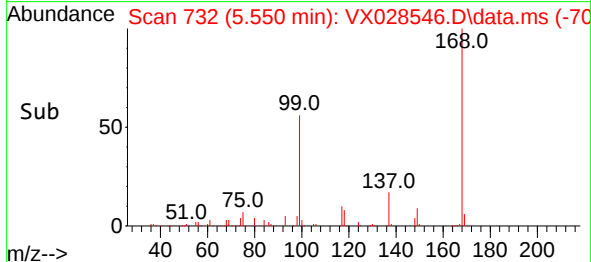
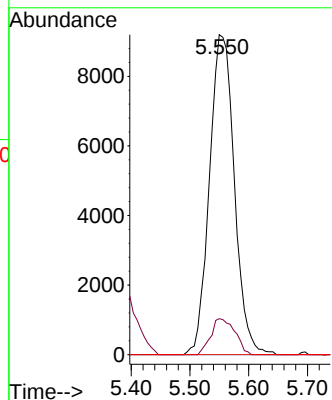
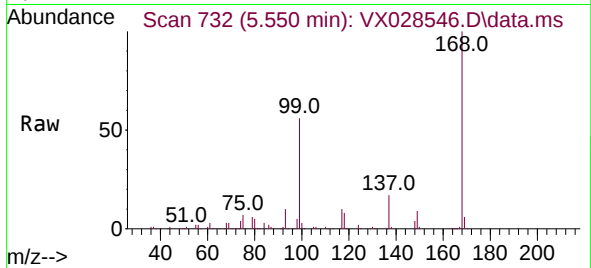




#36
1,1-Dichloropropene
Concen: 4.508 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX028546.D
Acq: 06 May 2022 13:49

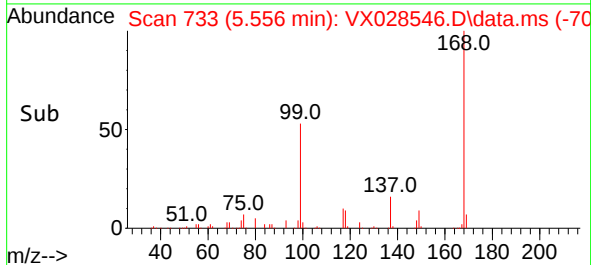
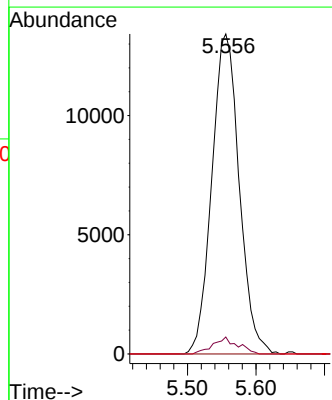
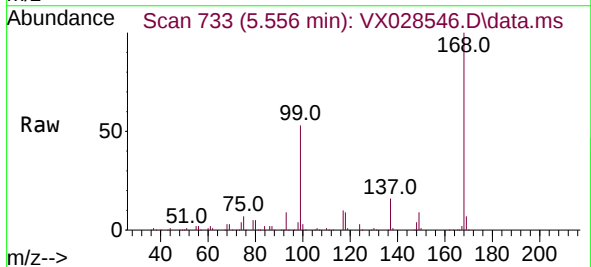
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#03

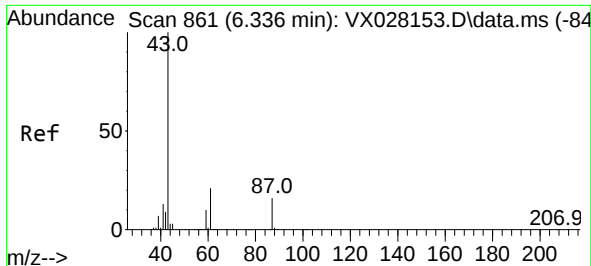
Tgt Ion: 75 Resp: 27077
Ion Ratio Lower Upper
75 100
110 10.9 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.495 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX028546.D
Acq: 06 May 2022 13:49

Tgt Ion: 117 Resp: 37256
Ion Ratio Lower Upper
117 100
119 5.3 77.3 115.9#
121 0.0 24.2 36.2#

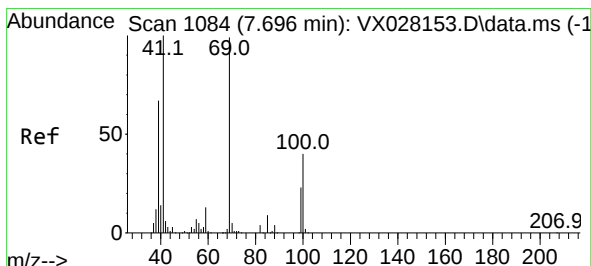
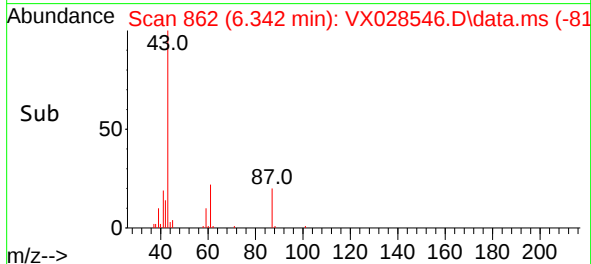
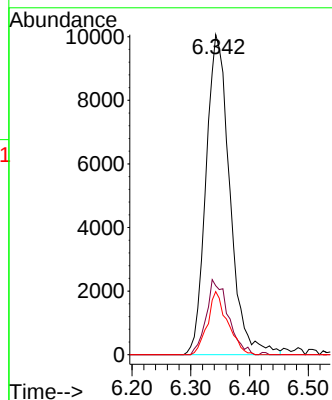
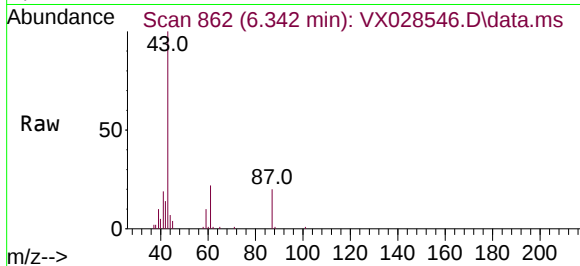




#43
Isopropyl Acetate
Concen: 2.856 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX028546.D
Acq: 06 May 2022 13:49

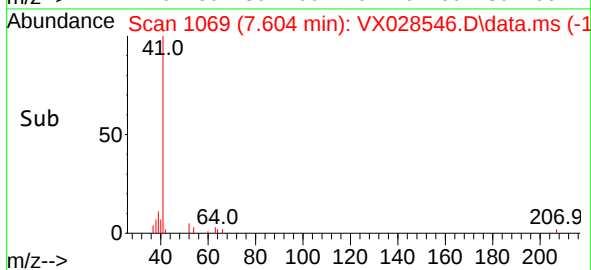
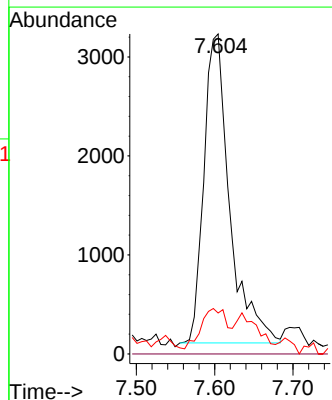
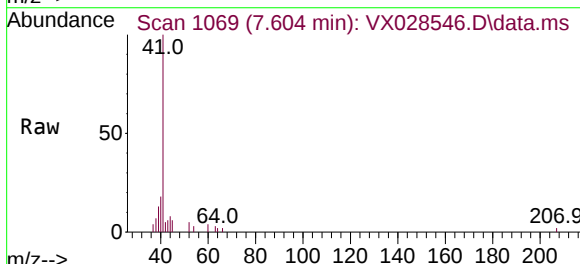
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#03

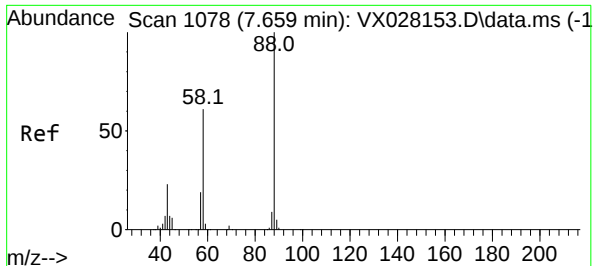
Tgt Ion: 43 Resp: 28330
Ion Ratio Lower Upper
43 100
61 21.6 18.5 27.7
87 16.6 13.0 19.6



#48
Methyl methacrylate
Concen: 1.569 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX028546.D
Acq: 06 May 2022 13:49

Tgt Ion: 41 Resp: 7144
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#





#49

1,4-Dioxane

Concen: 3.596 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.134 min

Lab File: VX028546.D

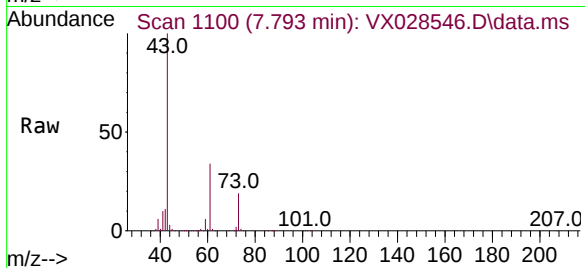
Acq: 06 May 2022 13:49

Instrument :

MSVOA_X

ClientSampleId :

PB144610ZHE#03



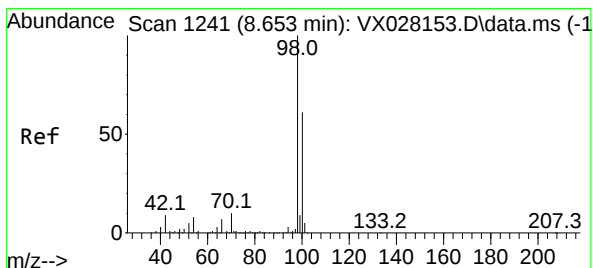
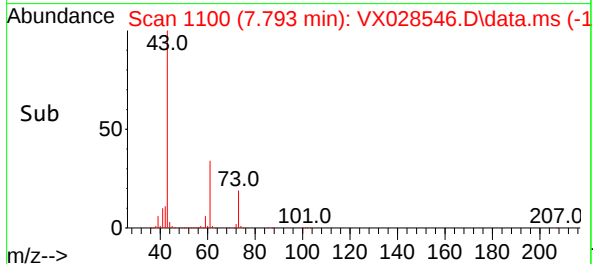
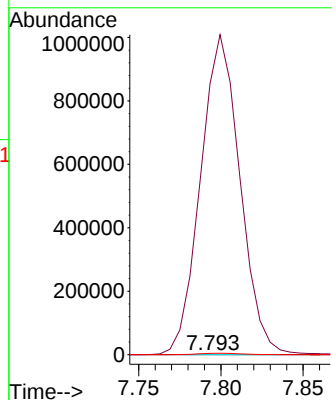
Tgt Ion: 88 Resp: 438

Ion Ratio Lower Upper

88 100

43 386593.4 21.9 32.9#

58 1853.2 53.7 80.5#



#50

Toluene-d8

Concen: 51.576 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028546.D

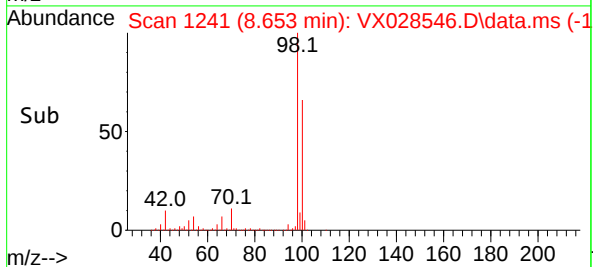
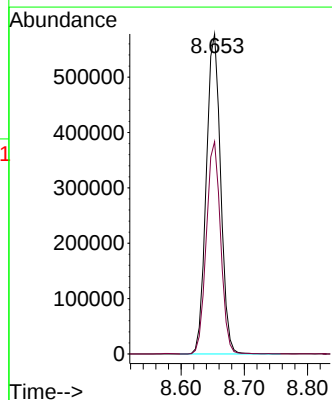
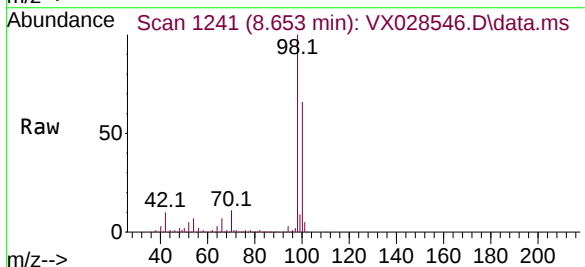
Acq: 06 May 2022 13:49

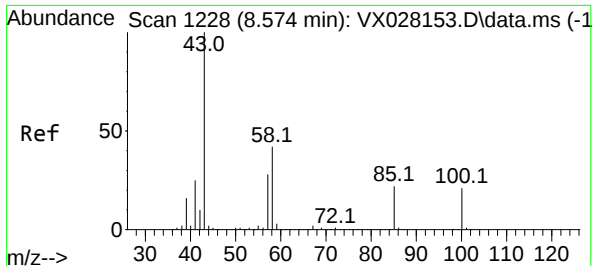
Tgt Ion: 98 Resp: 912084

Ion Ratio Lower Upper

98 100

100 66.1 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 16.673 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX028546.D

Acq: 06 May 2022 13:49

Instrument :

MSVOA_X

ClientSampleId :

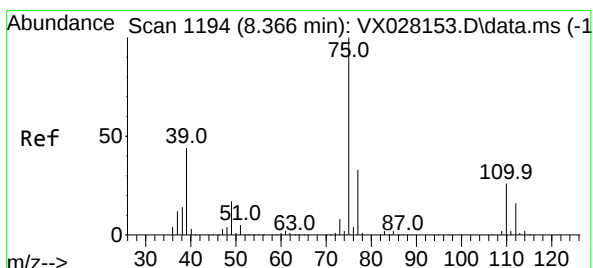
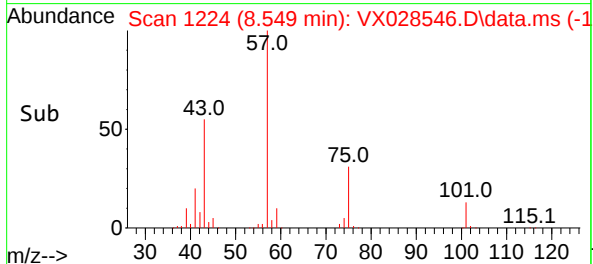
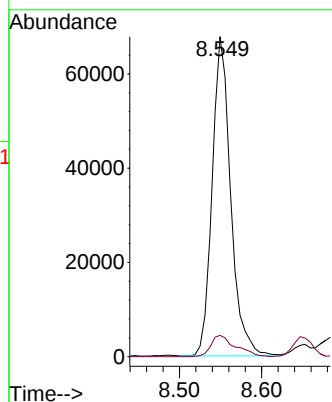
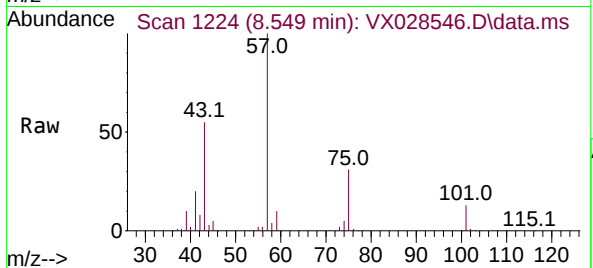
PB144610ZHE#03

Tgt Ion: 43 Resp: 106117

Ion Ratio Lower Upper

43 100

58 8.9 36.1 54.1#



#54

cis-1,3-Dichloropropene

Concen: 7.844 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX028546.D

Acq: 06 May 2022 13:49

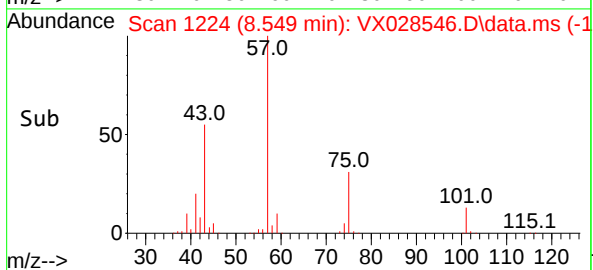
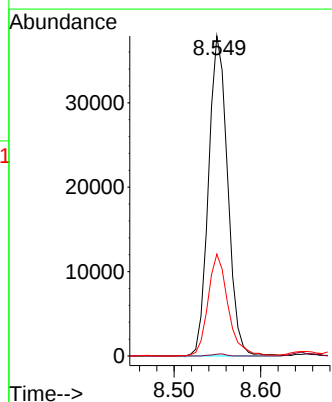
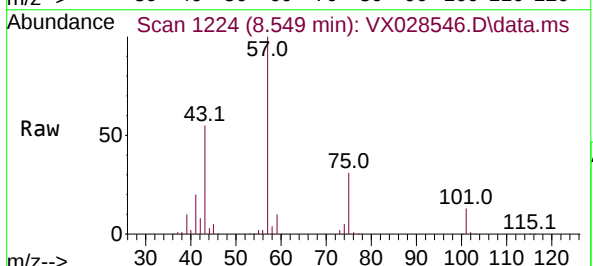
Tgt Ion: 75 Resp: 58083

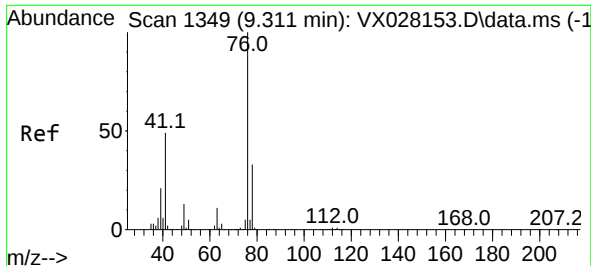
Ion Ratio Lower Upper

75 100

77 0.5 24.8 37.2#

39 31.7 29.6 44.4

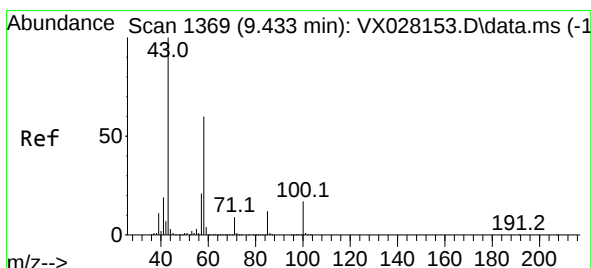
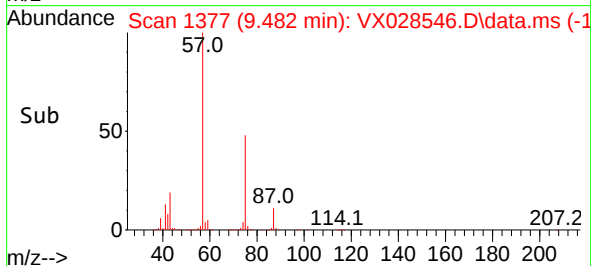
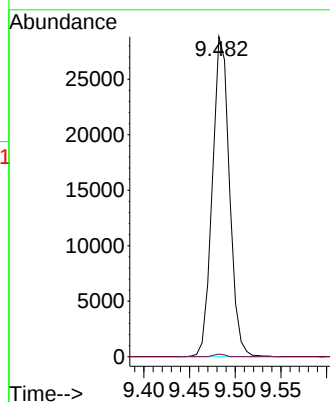
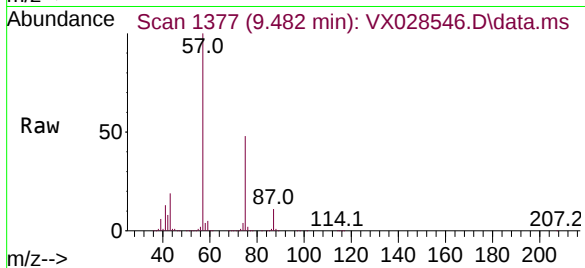




#57
1,3-Dichloropropane
Concen: 4.675 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX028546.D
Acq: 06 May 2022 13:49

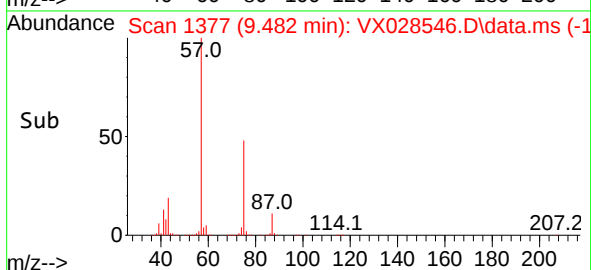
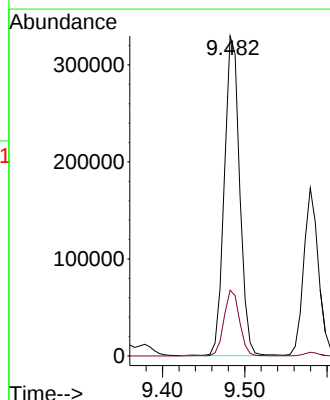
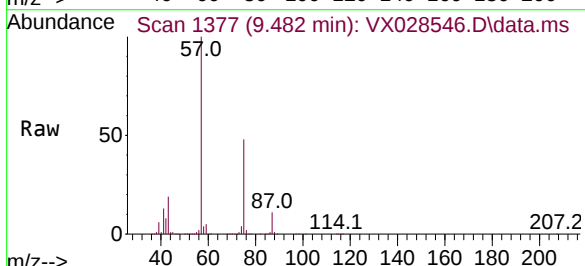
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#03

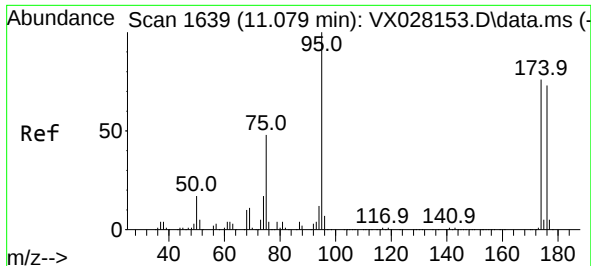
Tgt Ion: 76 Resp: 37450
Ion Ratio Lower Upper
76 100
78 0.5 25.8 38.8#



#59
2-Hexanone
Concen: 86.731 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX028546.D
Acq: 06 May 2022 13:49

Tgt Ion: 43 Resp: 427599
Ion Ratio Lower Upper
43 100
58 20.9 31.9 95.7#





#62

4-Bromofluorobenzene

Concen: 48.659 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX028546.D

Acq: 06 May 2022 13:49

Instrument :

MSVOA_X

ClientSampleId :

PB144610ZHE#03

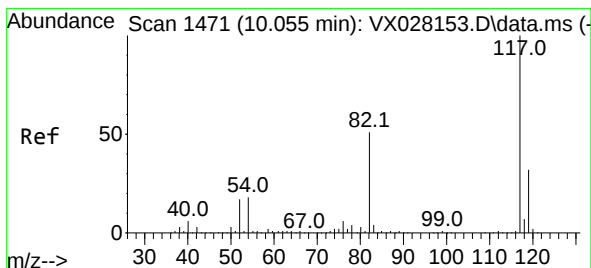
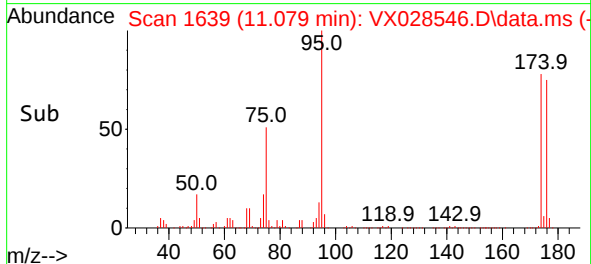
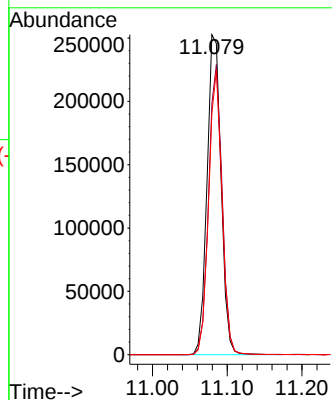
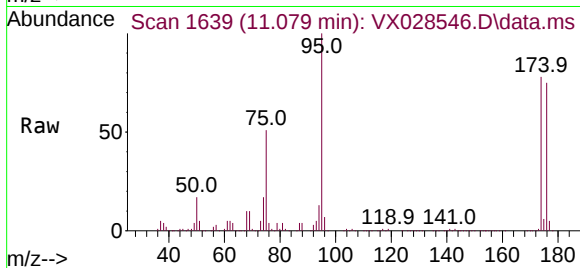
Tgt Ion: 95 Resp: 329022

Ion Ratio Lower Upper

95 100

174 87.4 0.0 163.0

176 84.5 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: VX028546.D

Acq: 06 May 2022 13:49

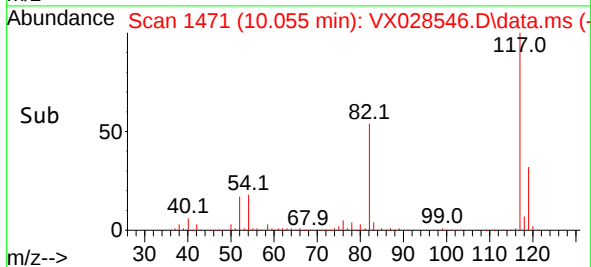
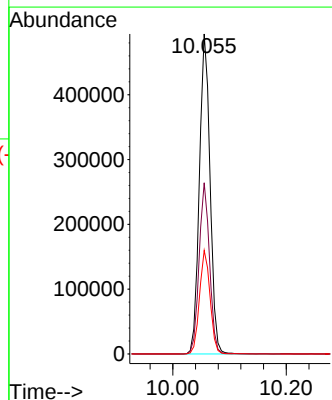
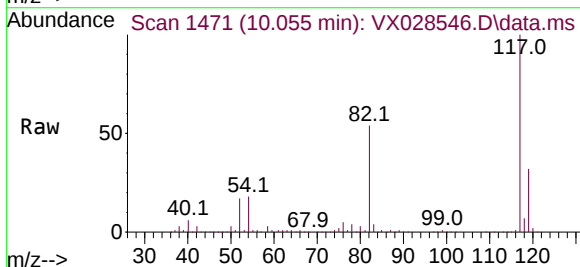
Tgt Ion: 117 Resp: 644164

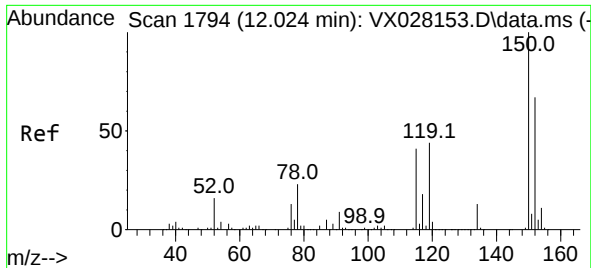
Ion Ratio Lower Upper

117 100

82 53.5 41.8 62.8

119 32.4 24.8 37.2

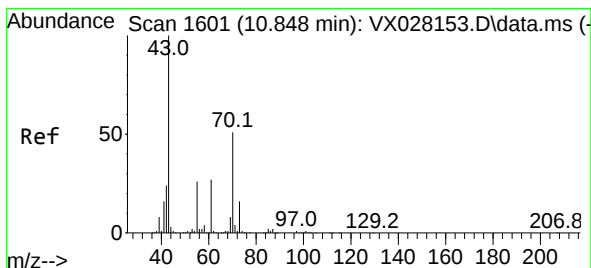
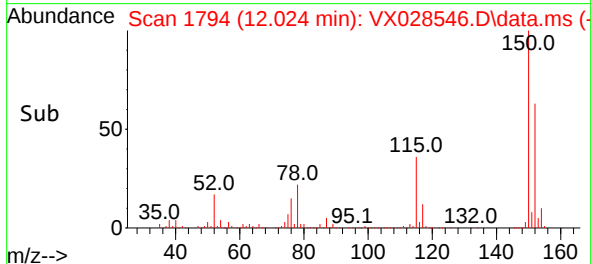
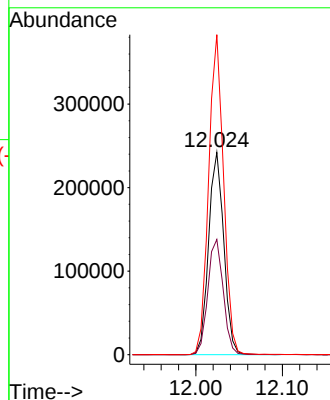
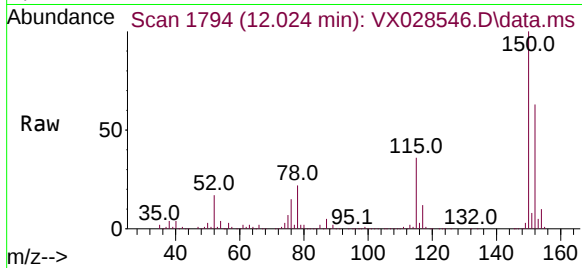




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028546.D
Acq: 06 May 2022 13:49

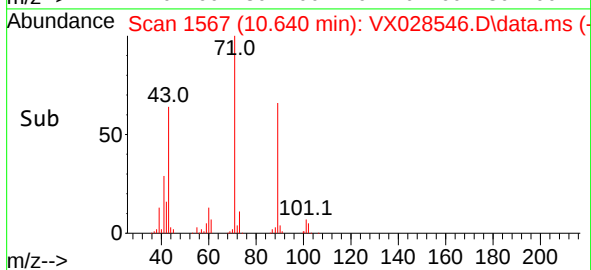
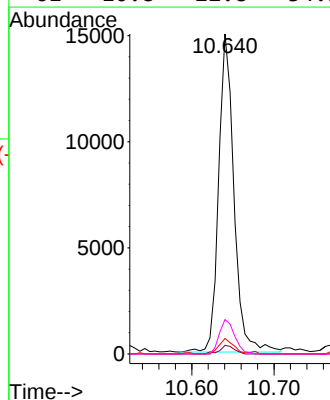
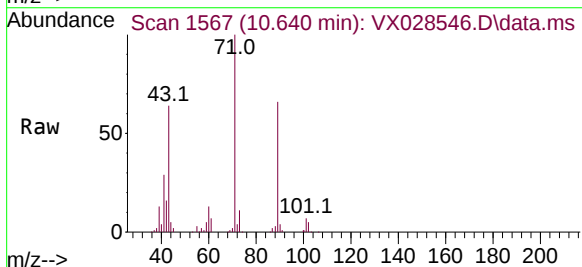
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#03

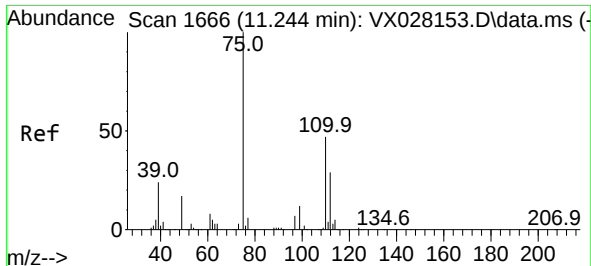
Tgt Ion:152 Resp: 295080
Ion Ratio Lower Upper
152 100
115 57.8 37.5 112.7
150 155.8 0.0 338.2



#74
N-ethyl acetate
Concen: 2.773 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.208 min
Lab File: VX028546.D
Acq: 06 May 2022 13:49

Tgt Ion: 43 Resp: 19441
Ion Ratio Lower Upper
43 100
70 2.5 42.5 63.7#
55 4.9 23.1 34.7#
61 10.8 22.8 34.2#

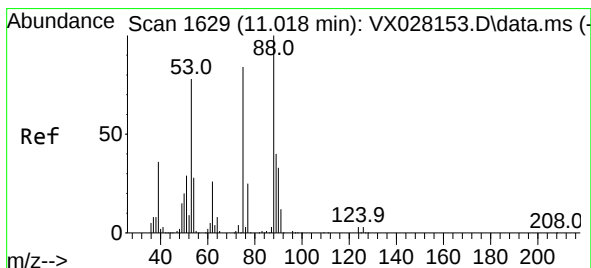
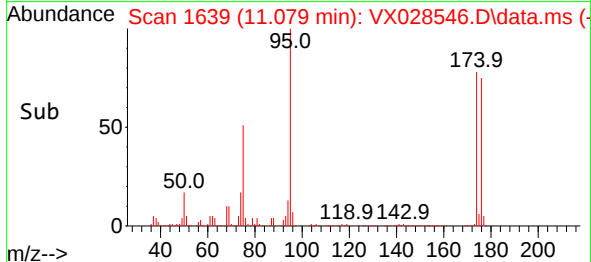
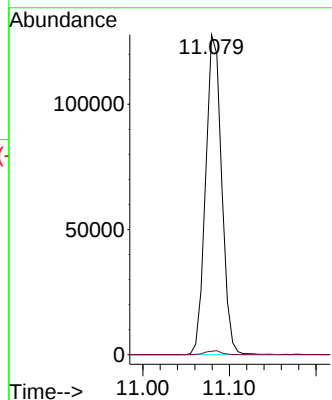
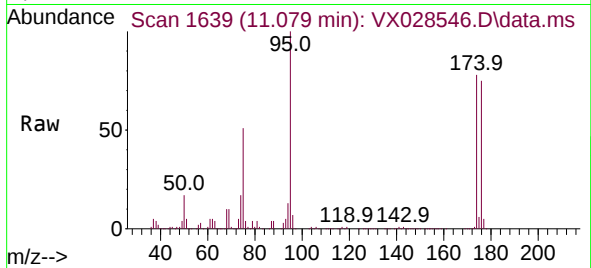




#76
1,2,3-Trichloropropane
Concen: 28.314 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028546.D
Acq: 06 May 2022 13:49

Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#03

Tgt Ion: 75 Resp: 164430
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.142 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028546.D
Acq: 06 May 2022 13:49

Tgt Ion: 75 Resp: 164430
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

