

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050322\
 Data File : VX028506.D
 Acq On : 03 May 2022 17:02
 Operator : JC/MD
 Sample : PB144525ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144525ZHE#03

Quant Time: May 04 06:06:44 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)

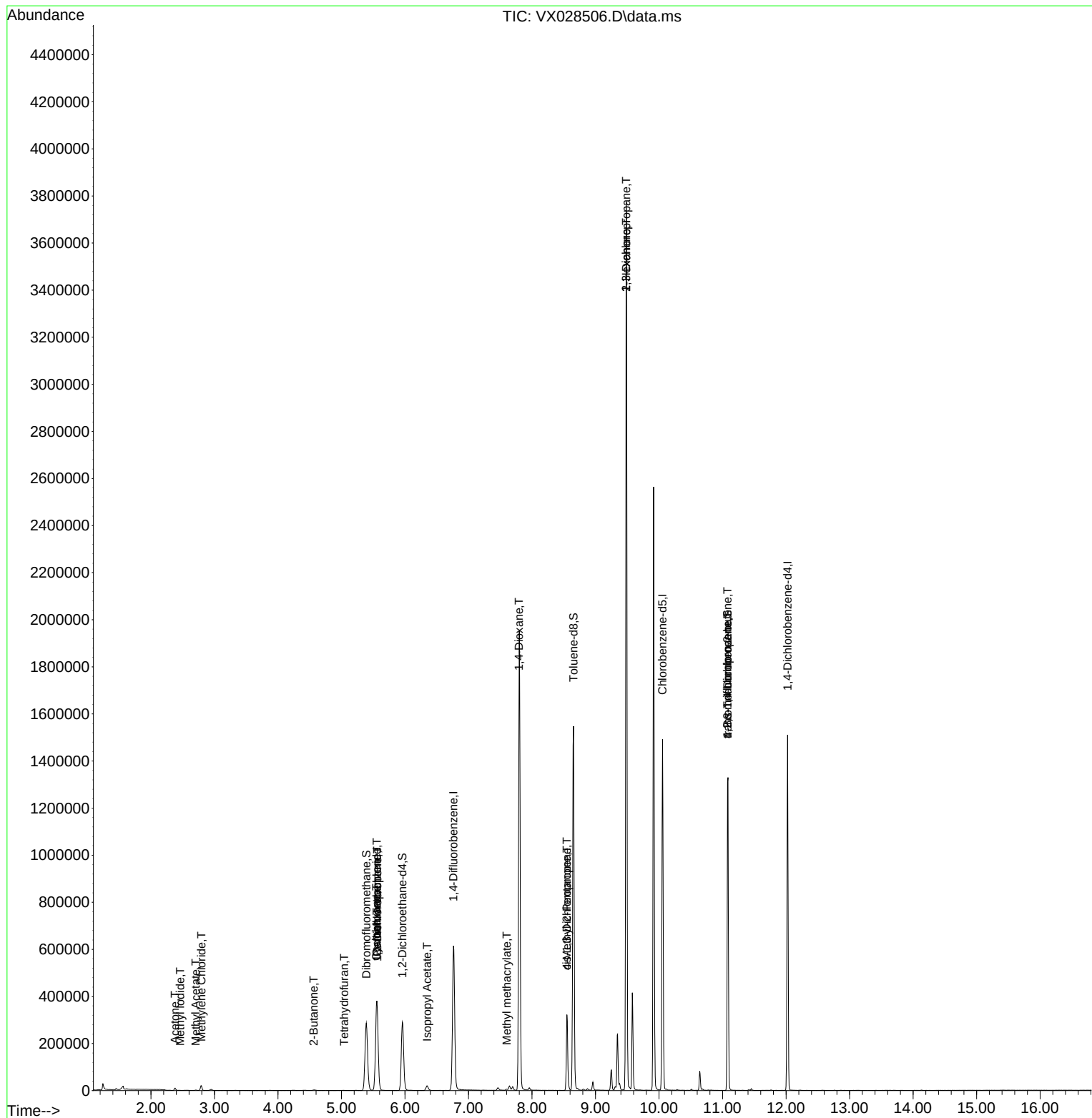
Internal Standards						
1) Pentafluorobenzene	5.556	168	369964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	652427	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	672438	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	310626	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	276328	57.283	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 114.560%			
35) Dibromofluoromethane	5.391	113	247933	54.188	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 108.380%			
50) Toluene-d8	8.653	98	952842	54.221	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 108.440%			
62) 4-Bromofluorobenzene	11.079	95	348872	51.921	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 103.840%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	286	Below Cal	#	42
5) Bromomethane	1.618	94	795	Below Cal	#	77
6) Chloroethane	1.746	64	226	Below Cal	#	43
8) Diethyl Ether	2.142	74	74	Below Cal	#	1
10) Methyl Iodide	2.459	142	252	5.290	ug/l #	65
11) Tert butyl alcohol	2.953	59	2987	Below Cal	#	72
16) Acetone	2.380	43	10597	5.829	ug/l	93
18) Methyl Acetate	2.703	43	2036	0.475	ug/l	97
20) Methylene Chloride	2.794	84	9861	2.755	ug/l	91
25) 2-Butanone	4.562	43	3641	1.274	ug/l	96
29) Tetrahydrofuran	5.044	42	458	0.246	ug/l #	32
31) Cyclohexane	5.550	56	7446	1.267	ug/l #	22
36) 1,1-Dichloropropene	5.562	75	27651	4.633	ug/l #	46
38) Carbon Tetrachloride	5.556	117	37709	5.597	ug/l #	16
43) Isopropyl Acetate	6.348	43	26454	2.684	ug/l	96
48) Methyl methacrylate	7.604	41	7357	1.626	ug/l #	7
49) 1,4-Dioxane	7.793	88	445	3.676	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	102847	16.261	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	54473	7.403	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	36737	4.615	ug/l #	43
59) 2-Hexanone	9.482	43	408586	83.398	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	173434	28.370	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	173434	84.308	ug/l #	15

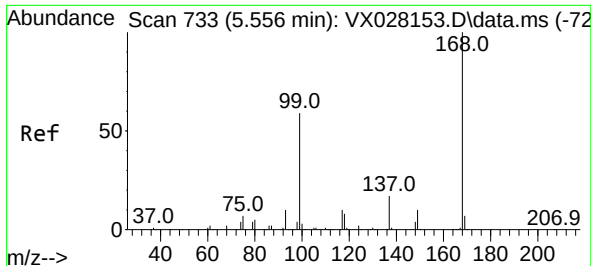
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 19 13:38:04 2022
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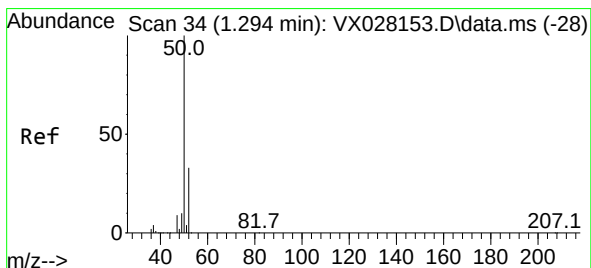
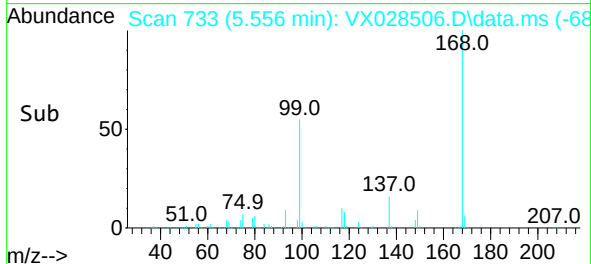
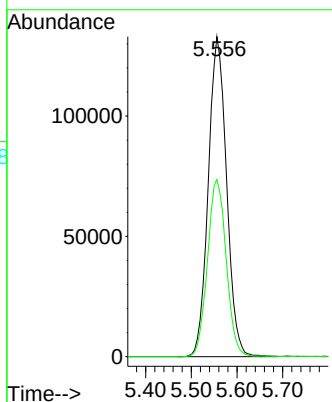
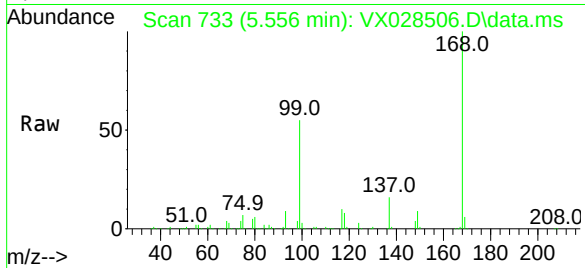




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028506.D
Acq: 03 May 2022 17:02

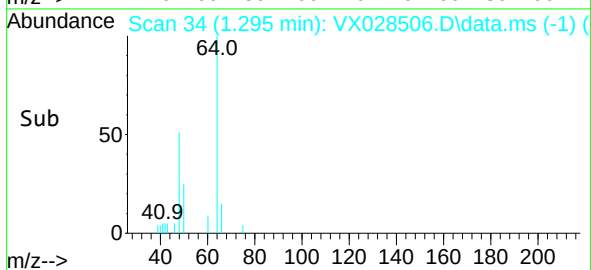
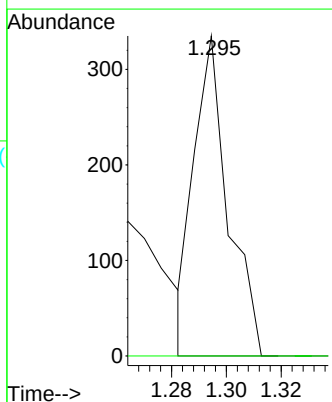
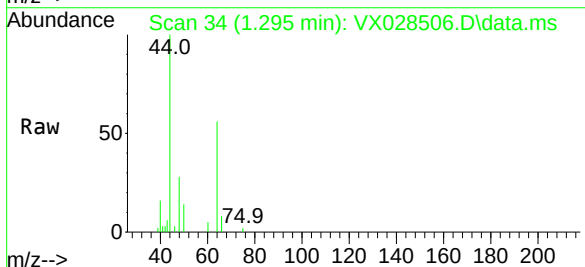
Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#03

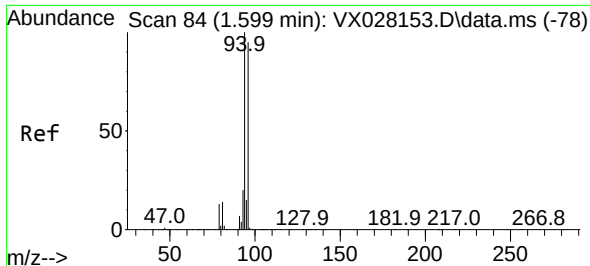
Tgt Ion:168 Resp: 369964
Ion Ratio Lower Upper
168 100
99 55.4 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028506.D
Acq: 03 May 2022 17:02

Tgt Ion: 50 Resp: 286
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

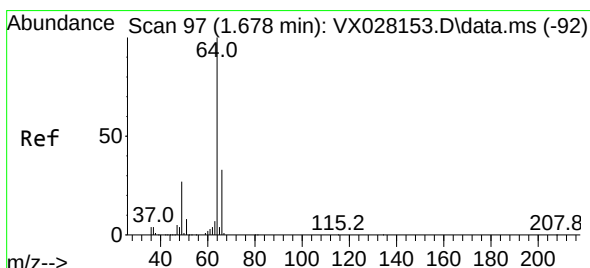
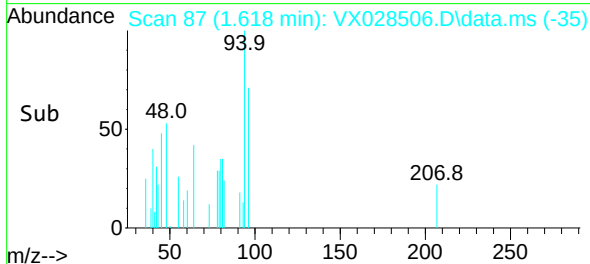
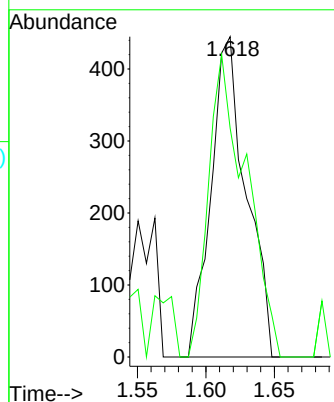
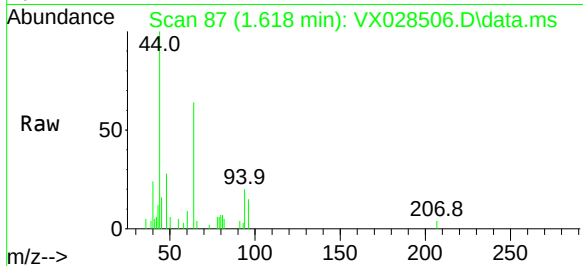




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX028506.D
Acq: 03 May 2022 17:02

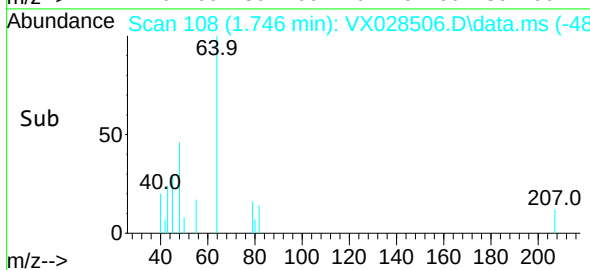
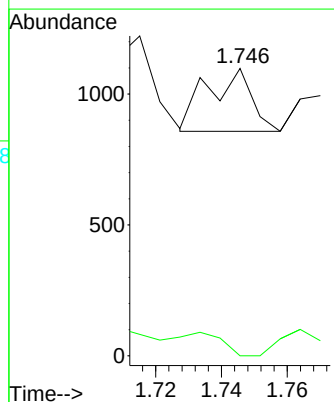
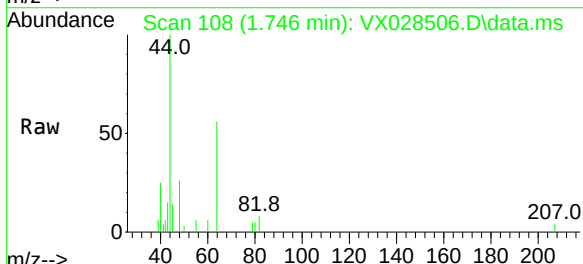
Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#03

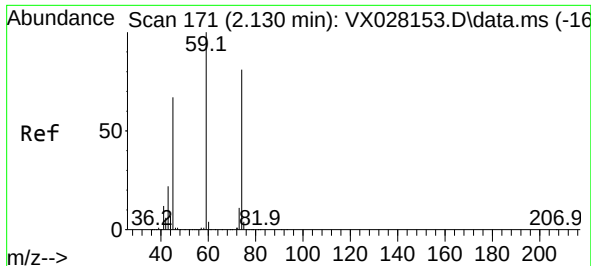
Tgt Ion: 94 Resp: 795
Ion Ratio Lower Upper
94 100
96 71.5 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.746 min Scan# 108
Delta R.T. 0.068 min
Lab File: VX028506.D
Acq: 03 May 2022 17:02

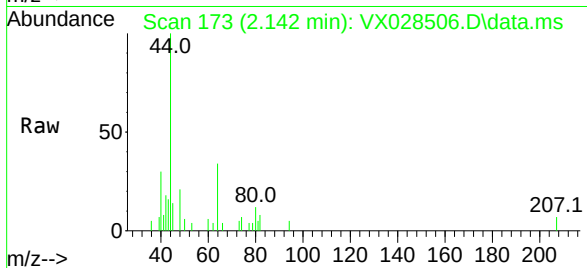
Tgt Ion: 64 Resp: 226
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



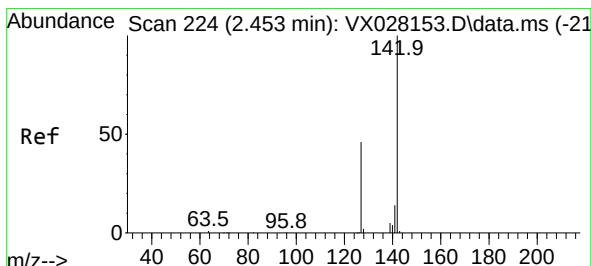
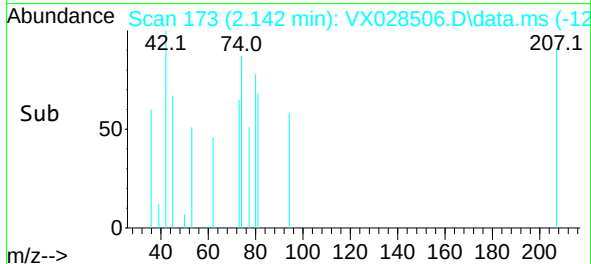
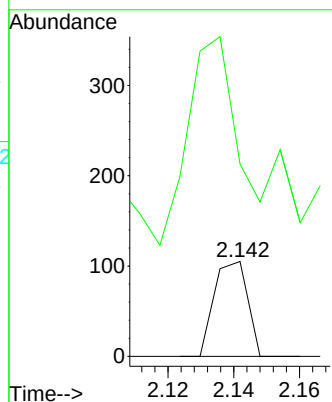


#8
Diethyl Ether
Concen: Below Cal
RT: 2.142 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX028506.D
Acq: 03 May 2022 17:02

Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#03

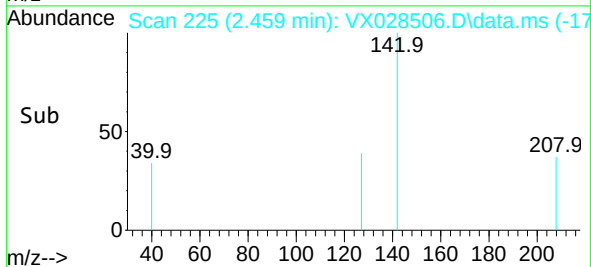
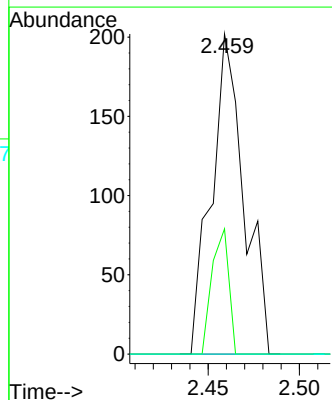
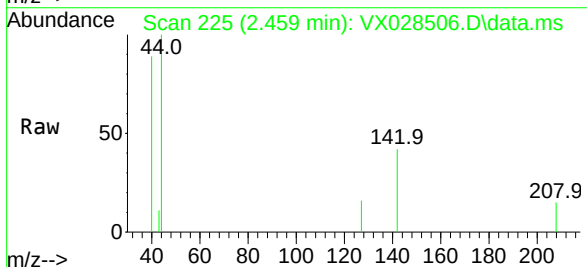


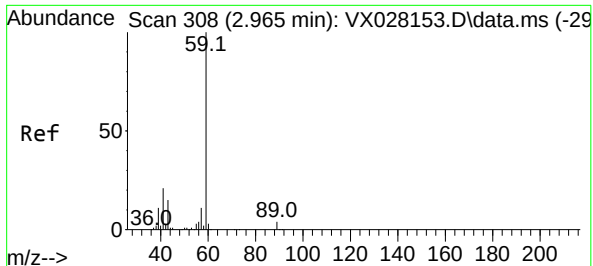
Tgt Ion: 74 Resp: 74
Ion Ratio Lower Upper
74 100
45 390.5 42.0 126.0#



#10
Methyl Iodide
Concen: 5.290 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028506.D
Acq: 03 May 2022 17:02

Tgt Ion: 142 Resp: 252
Ion Ratio Lower Upper
142 100
127 19.8 33.9 50.9#
141 0.0 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: VX028506.D

Acq: 03 May 2022 17:02

Instrument :

MSVOA_X

ClientSampleId :

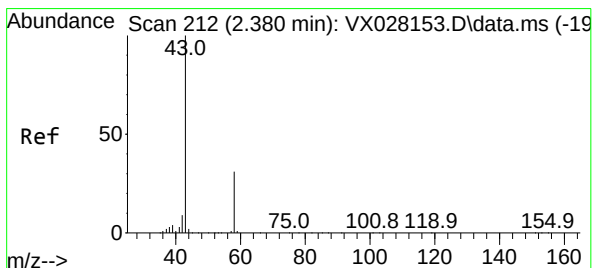
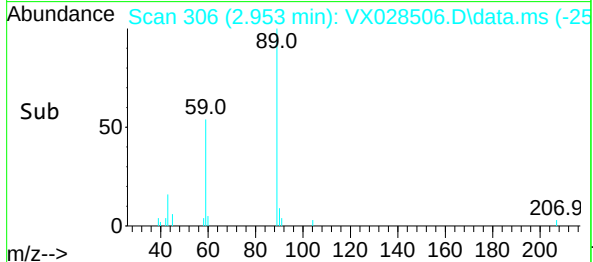
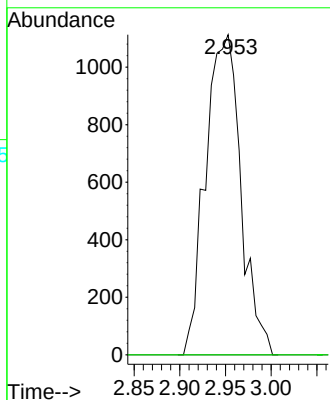
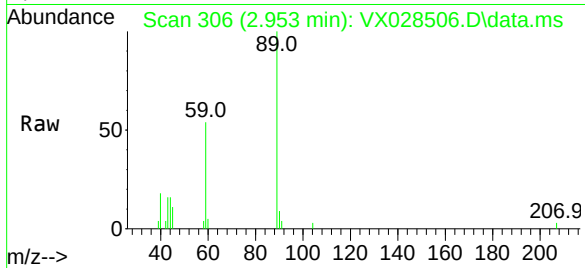
PB144525ZHE#03

Tgt Ion: 59 Resp: 2987

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 5.829 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX028506.D

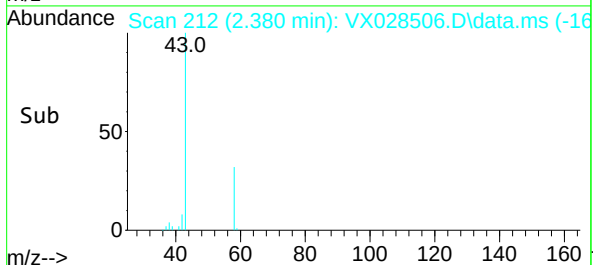
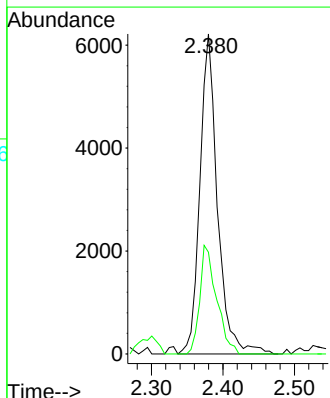
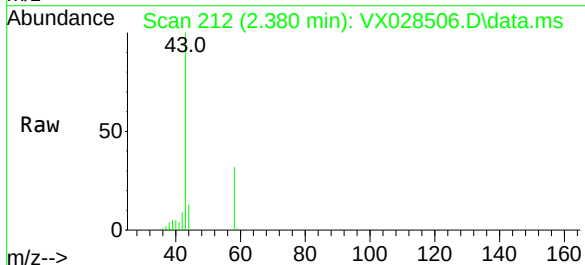
Acq: 03 May 2022 17:02

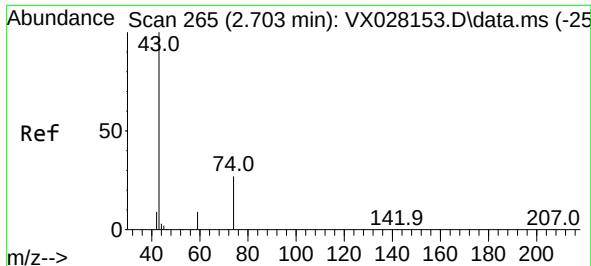
Tgt Ion: 43 Resp: 10597

Ion Ratio Lower Upper

43 100

58 31.8 28.8 43.2

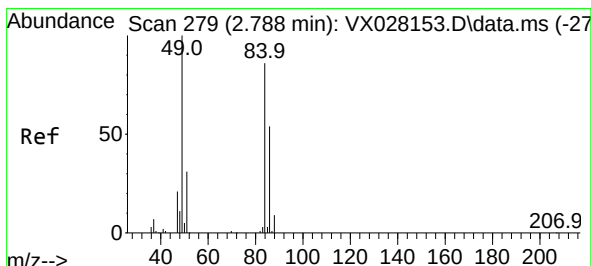
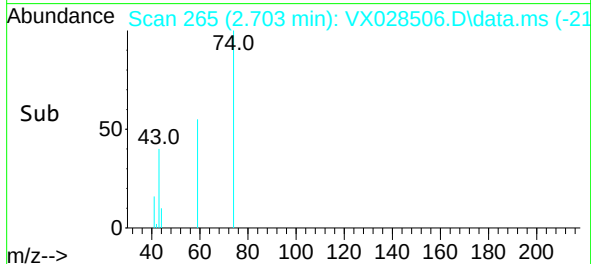
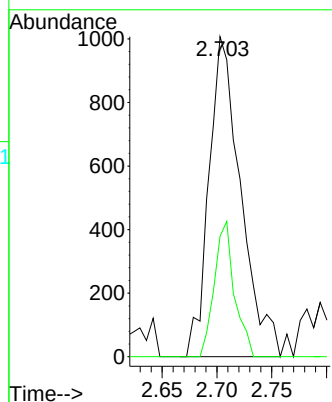
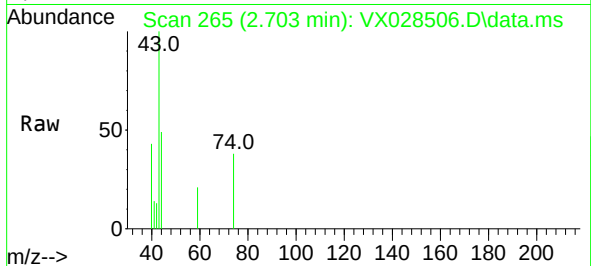




#18
Methyl Acetate
Concen: 0.475 ug/l
RT: 2.703 min Scan# 2036
Delta R.T. -0.000 min
Lab File: VX028506.D
Acq: 03 May 2022 17:02

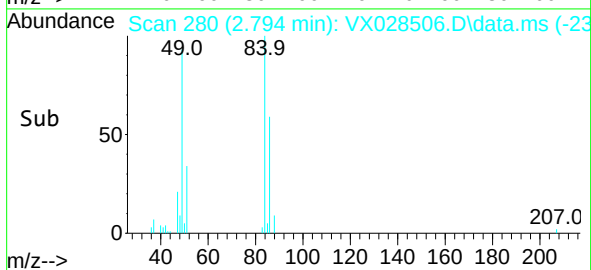
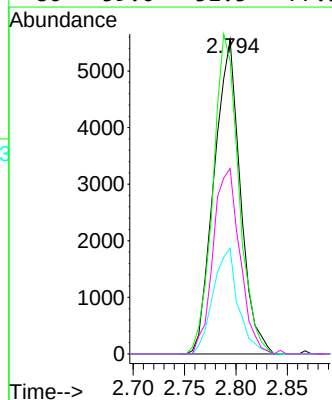
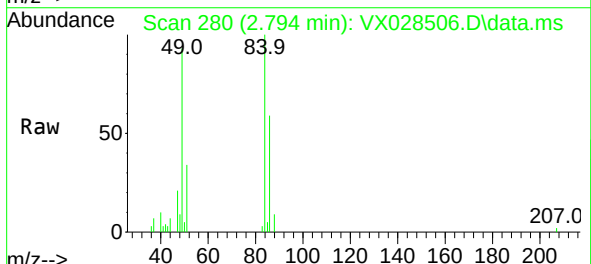
Instrument :
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ClientSampleId :
PB144525ZHE#03

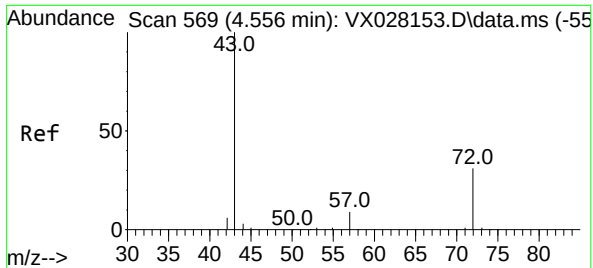
Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.7	22.8	34.2



#20
Methylene Chloride
Concen: 2.755 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX028506.D
Acq: 03 May 2022 17:02

Tgt Ion	Ratio	Lower	Upper
84	100		
49	93.2	85.5	128.3
51	33.7	26.6	39.8
86	59.0	51.5	77.3

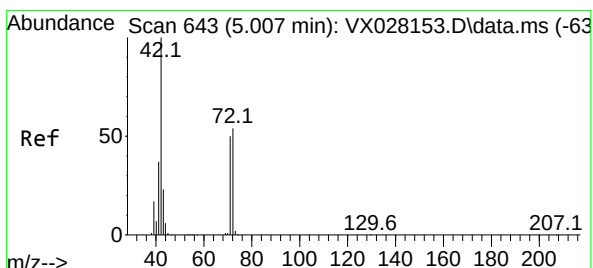
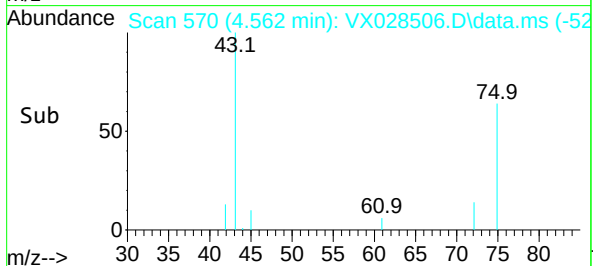
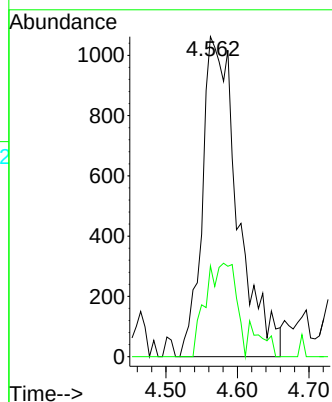
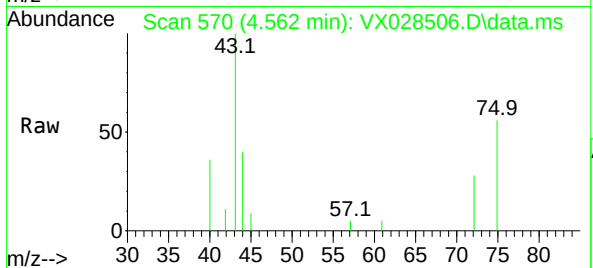




#25
2-Butanone
Concen: 1.274 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX028506.D
Acq: 03 May 2022 17:02

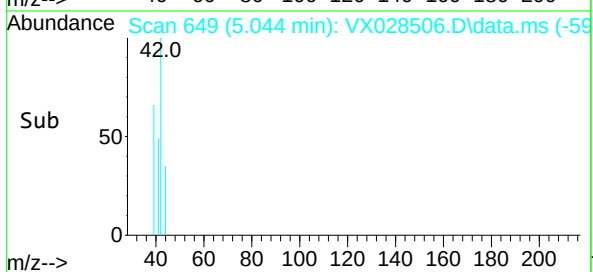
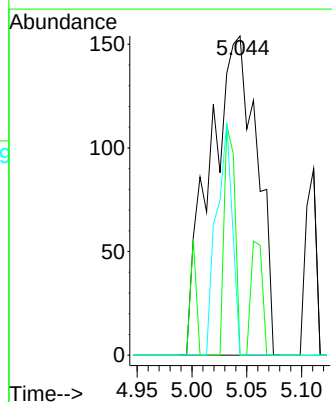
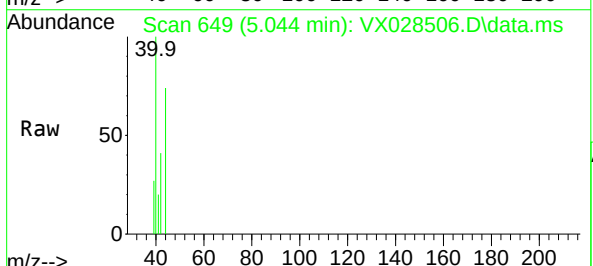
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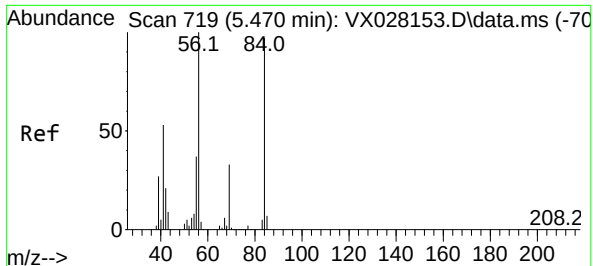
Tgt Ion: 43 Resp: 3641
Ion Ratio Lower Upper
43 100
72 28.3 24.4 36.6



#29
Tetrahydrofuran
Concen: 0.246 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.037 min
Lab File: VX028506.D
Acq: 03 May 2022 17:02

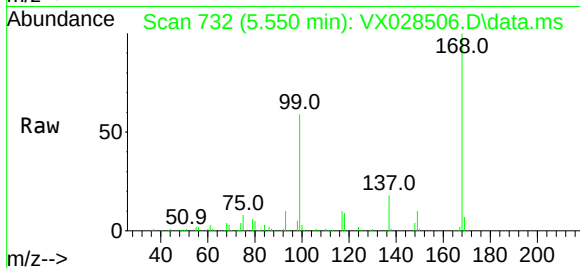
Tgt Ion: 42 Resp: 458
Ion Ratio Lower Upper
42 100
72 8.7 44.1 66.1#
71 0.0 40.5 60.7#



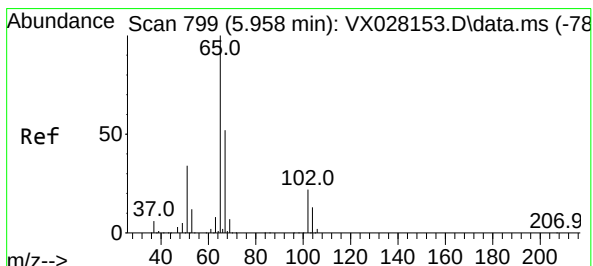
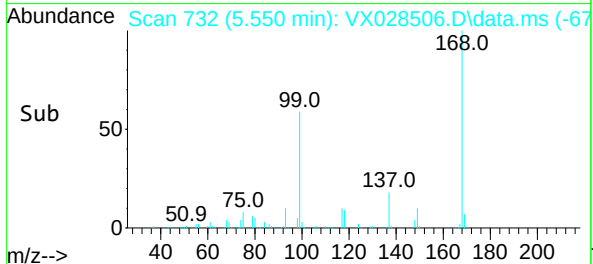
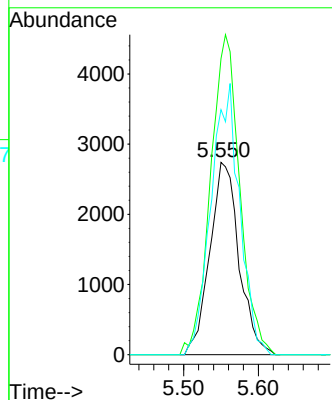


#31
Cyclohexane
Concen: 1.267 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX028506.D
Acq: 03 May 2022 17:02

Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#03

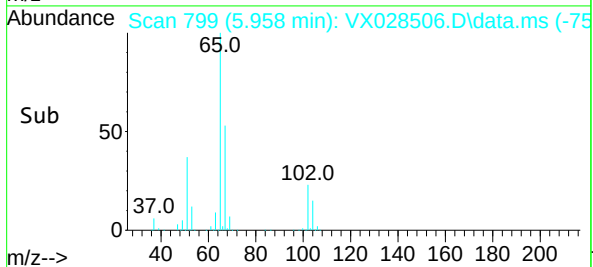
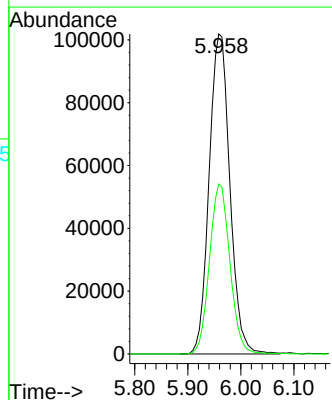
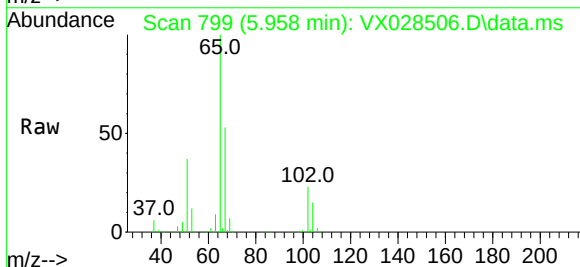


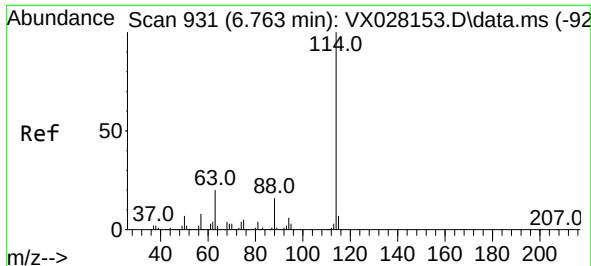
Tgt Ion: 56 Resp: 7446
Ion Ratio Lower Upper
56 100
69 153.9 26.7 40.1#
84 127.4 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 57.283 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028506.D
Acq: 03 May 2022 17:02

Tgt Ion: 65 Resp: 276328
Ion Ratio Lower Upper
65 100
67 52.3 0.0 107.4

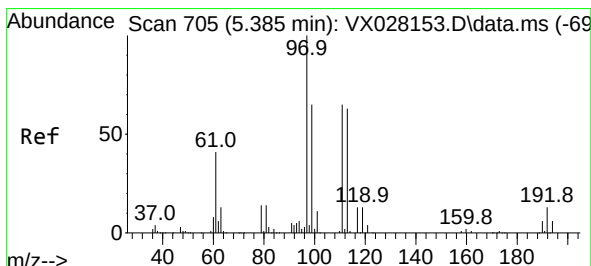
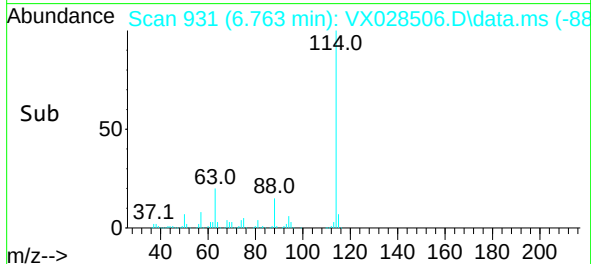
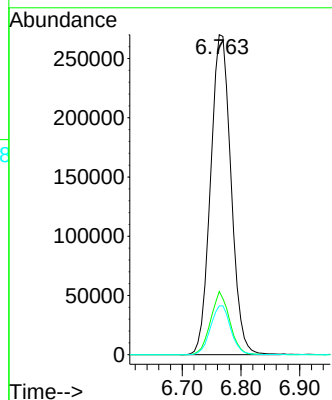
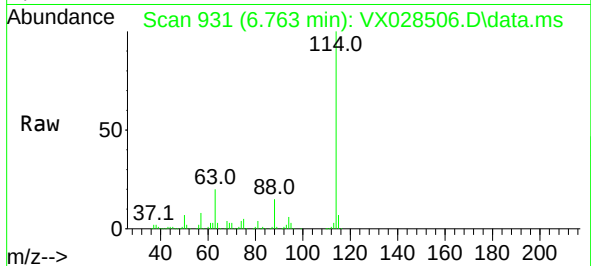




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX028506.D
Acq: 03 May 2022 17:02

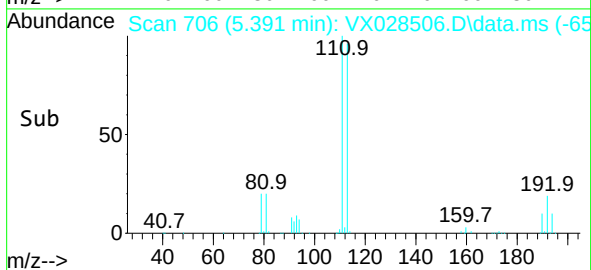
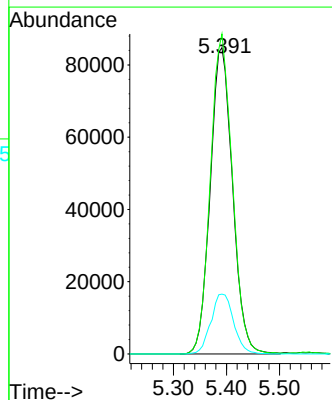
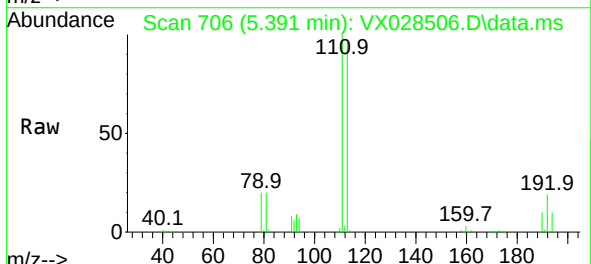
Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#03

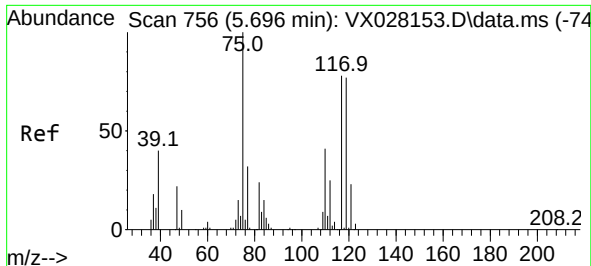
Tgt Ion:114 Resp: 652427
Ion Ratio Lower Upper
114 100
63 19.7 0.0 36.8
88 15.3 0.0 32.4



#35
Dibromofluoromethane
Concen: 54.188 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028506.D
Acq: 03 May 2022 17:02

Tgt Ion:113 Resp: 247933
Ion Ratio Lower Upper
113 100
111 102.9 82.8 124.2
192 19.9 16.9 25.3

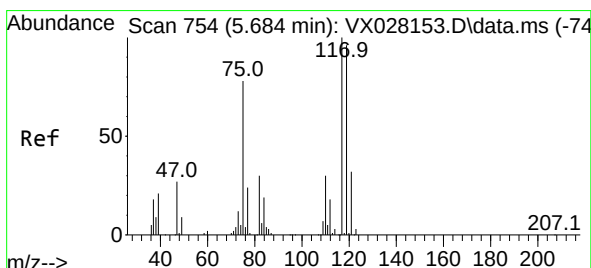
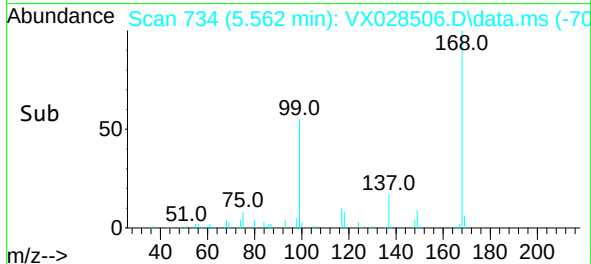
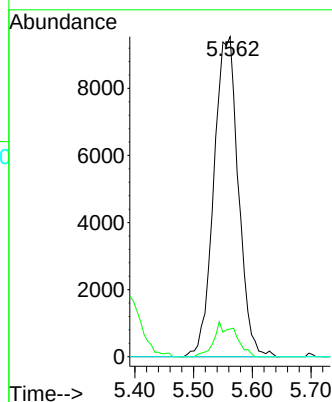
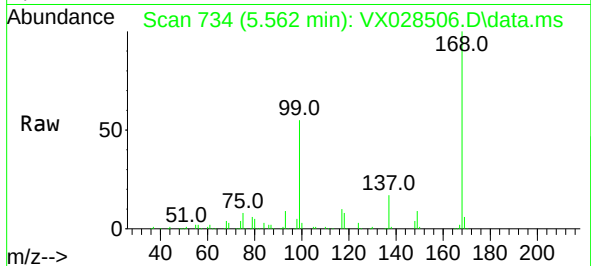




#36
1,1-Dichloropropene
Concen: 4.633 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX028506.D
Acq: 03 May 2022 17:02

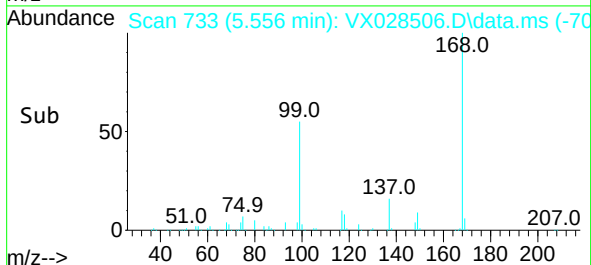
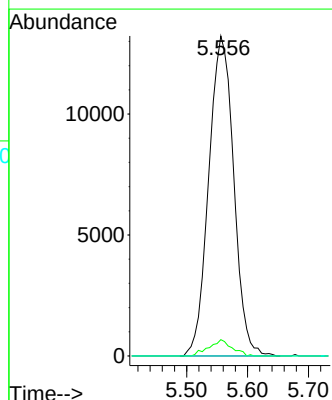
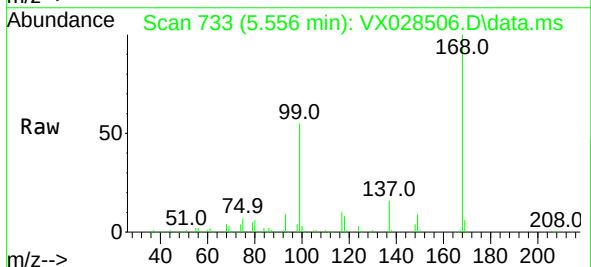
Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#03

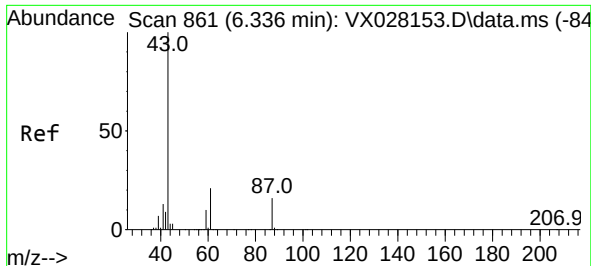
Tgt Ion: 75 Resp: 27651
Ion Ratio Lower Upper
75 100
110 5.4 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.597 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX028506.D
Acq: 03 May 2022 17:02

Tgt Ion: 117 Resp: 37709
Ion Ratio Lower Upper
117 100
119 5.1 77.3 115.9#
121 0.0 24.2 36.2#

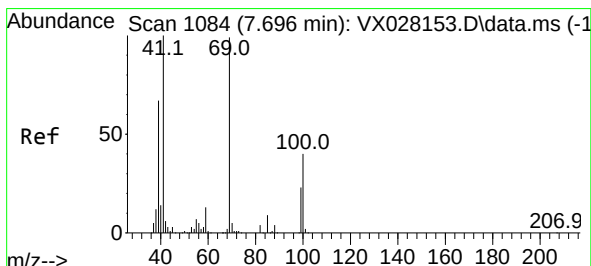
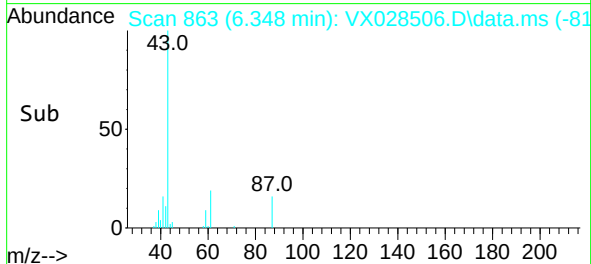
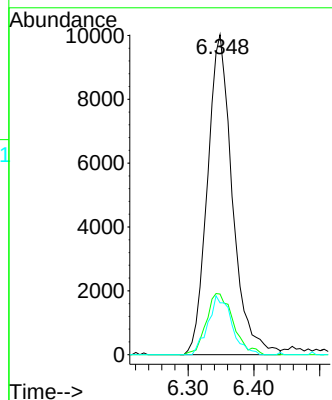
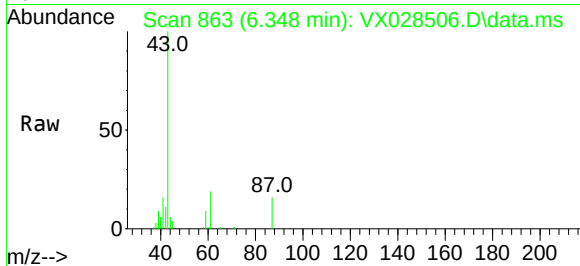




#43
Isopropyl Acetate
Concen: 2.684 ug/l
RT: 6.348 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028506.D
Acq: 03 May 2022 17:02

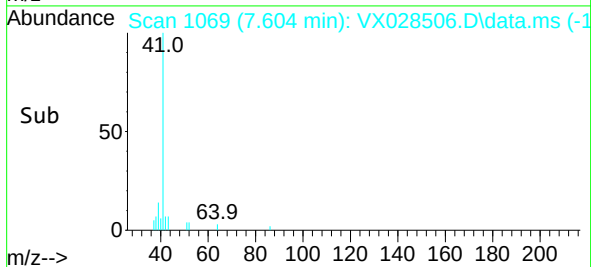
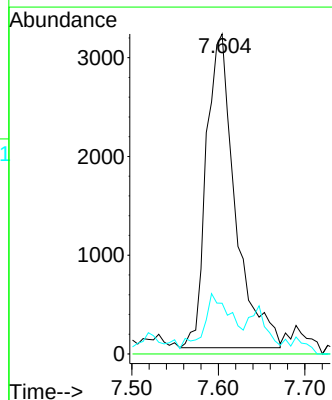
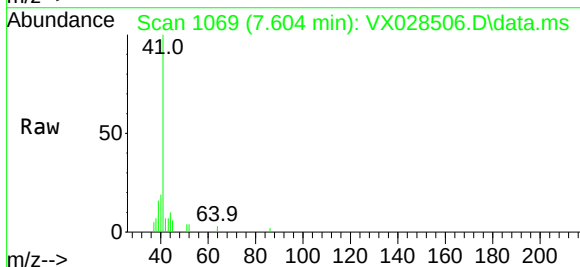
Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#03

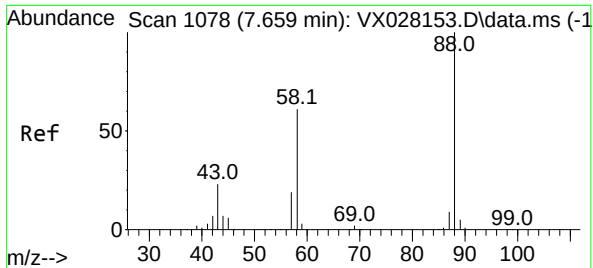
Tgt Ion: 43 Resp: 26454
Ion Ratio Lower Upper
43 100
61 20.6 18.5 27.7
87 17.4 13.0 19.6



#48
Methyl methacrylate
Concen: 1.626 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX028506.D
Acq: 03 May 2022 17:02

Tgt Ion: 41 Resp: 7357
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#

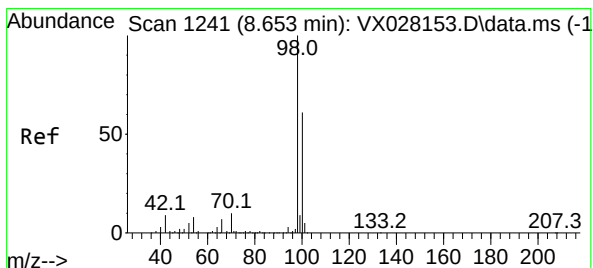
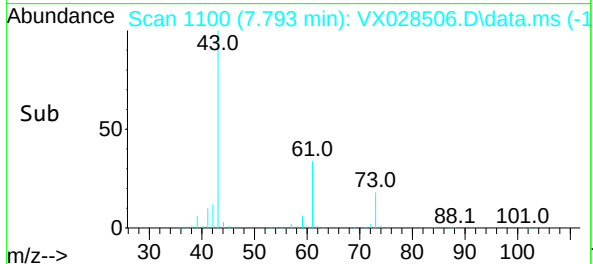
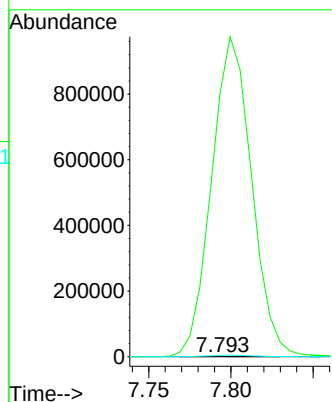
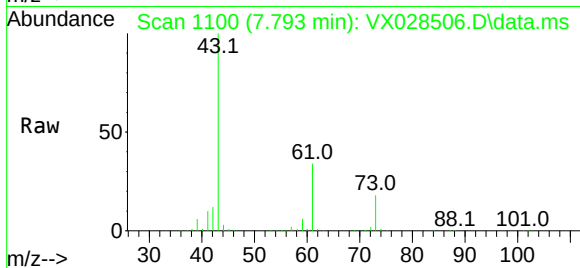




#49
1,4-Dioxane
Concen: 3.676 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX028506.D
Acq: 03 May 2022 17:02

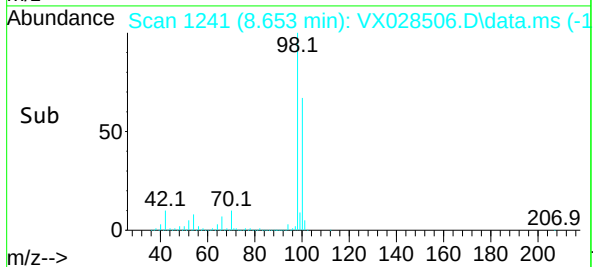
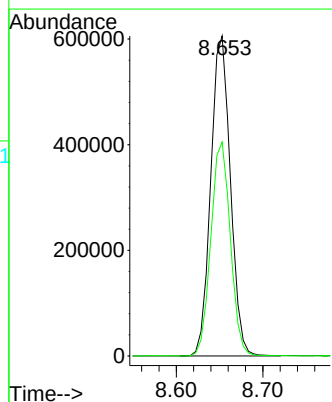
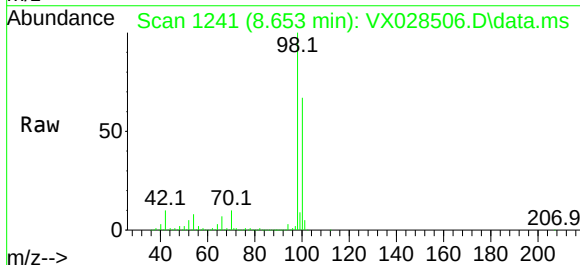
Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#03

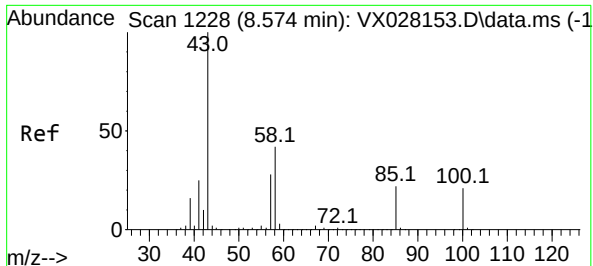
Tgt Ion: 88 Resp: 445
Ion Ratio Lower Upper
88 100
43 372881.3 21.9 32.9#
58 1860.4 53.7 80.5#



#50
Toluene-d8
Concen: 54.221 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX028506.D
Acq: 03 May 2022 17:02

Tgt Ion: 98 Resp: 952842
Ion Ratio Lower Upper
98 100
100 66.5 52.6 78.8

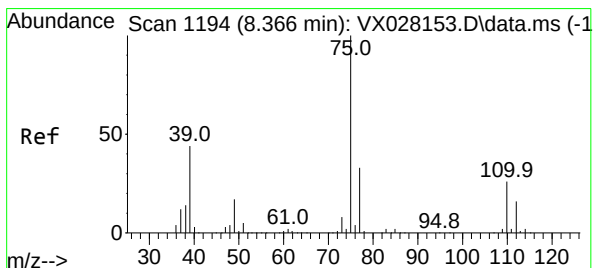
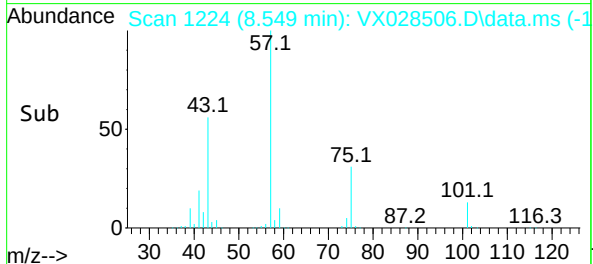
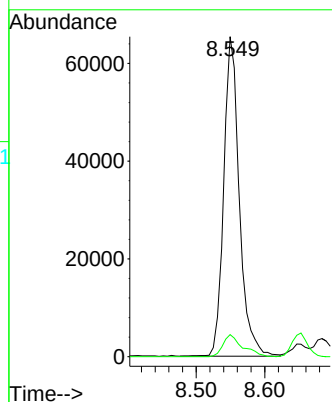
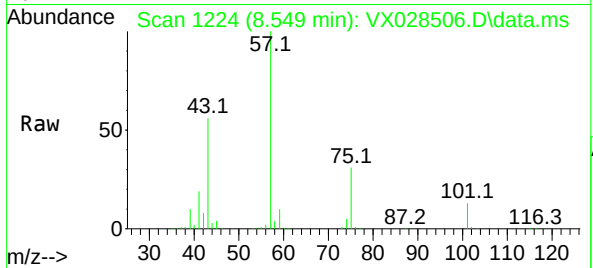




#51
4-Methyl-2-Pentanone
Concen: 16.261 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX028506.D
Acq: 03 May 2022 17:02

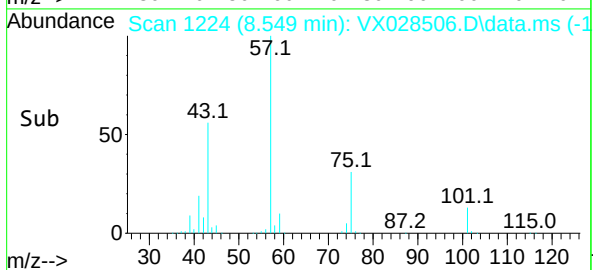
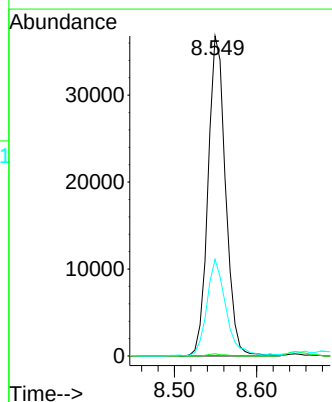
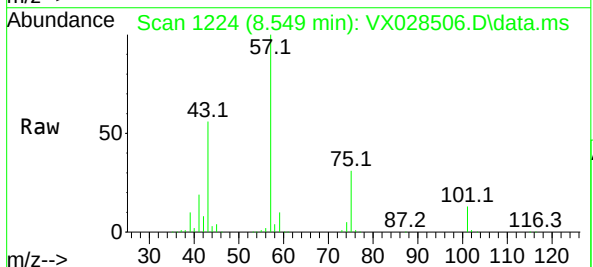
Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#03

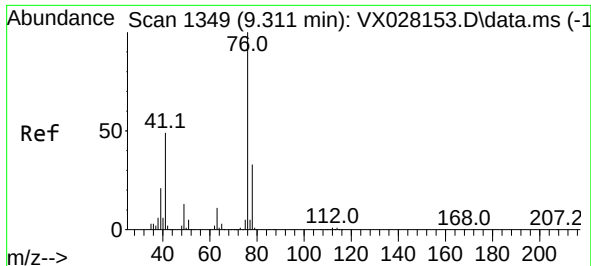
Tgt Ion: 43 Resp: 102847
Ion Ratio Lower Upper
43 100
58 8.7 36.1 54.1#



#54
cis-1,3-Dichloropropene
Concen: 7.403 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX028506.D
Acq: 03 May 2022 17:02

Tgt Ion: 75 Resp: 54473
Ion Ratio Lower Upper
75 100
77 0.7 24.8 37.2#
39 29.9 29.6 44.4





#57

1,3-Dichloropropane

Concen: 4.615 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX028506.D

Acq: 03 May 2022 17:02

Instrument :

MSVOA_X

ClientSampleId :

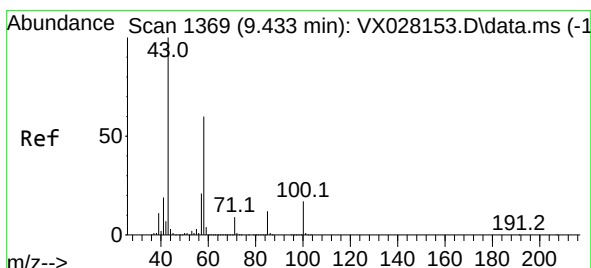
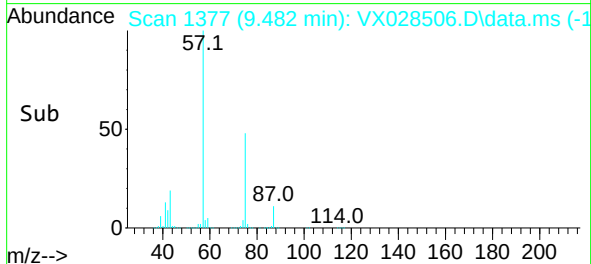
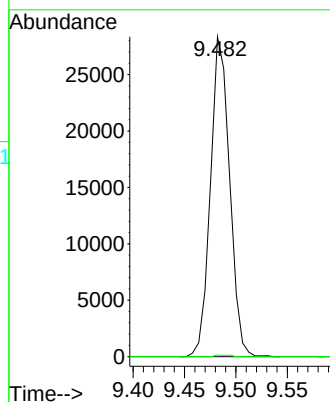
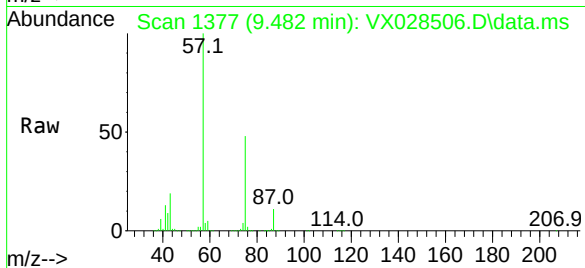
PB144525ZHE#03

Tgt Ion: 76 Resp: 36737

Ion Ratio Lower Upper

76 100

78 0.4 25.8 38.8#



#59

2-Hexanone

Concen: 83.398 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028506.D

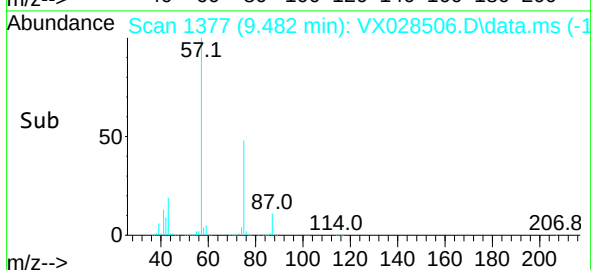
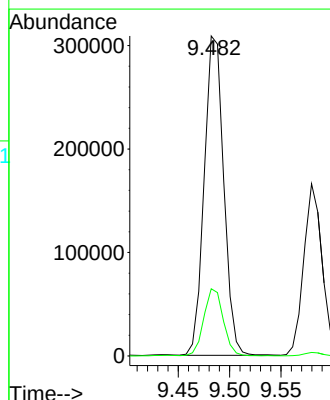
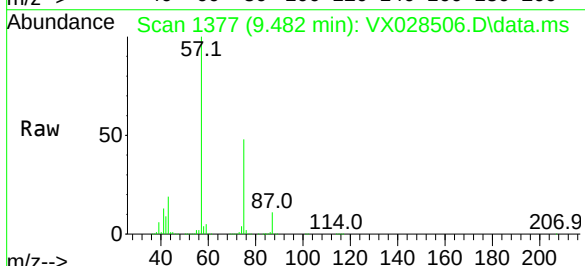
Acq: 03 May 2022 17:02

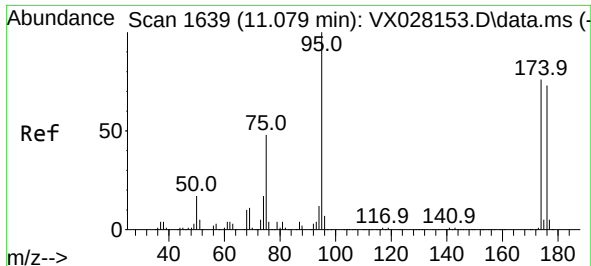
Tgt Ion: 43 Resp: 408586

Ion Ratio Lower Upper

43 100

58 21.0 31.9 95.7#

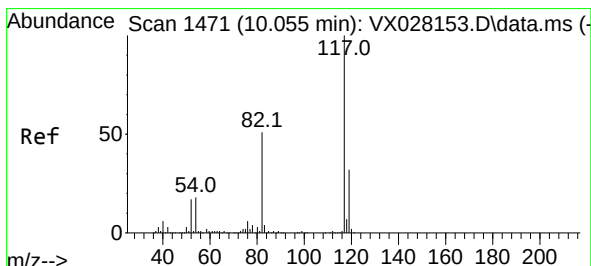
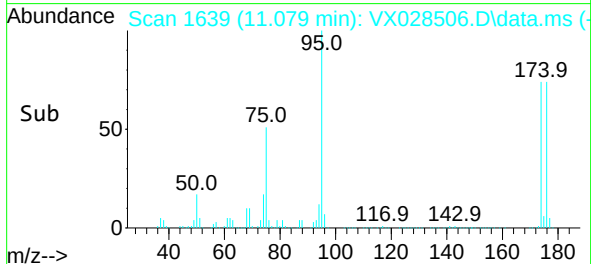
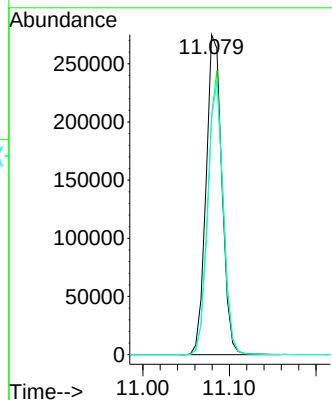
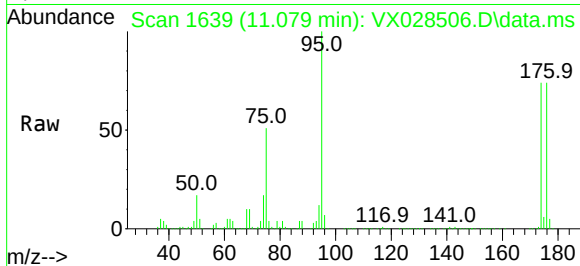




#62
4-Bromofluorobenzene
Concen: 51.921 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX028506.D
Acq: 03 May 2022 17:02

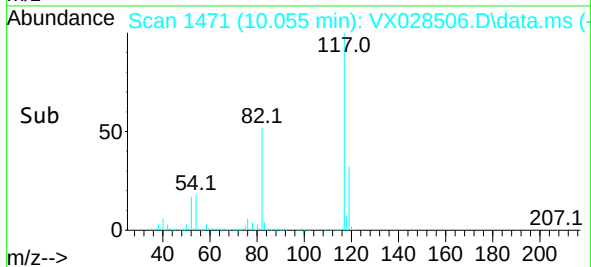
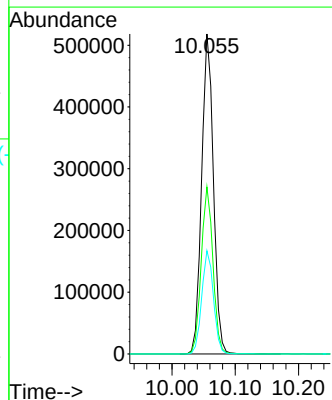
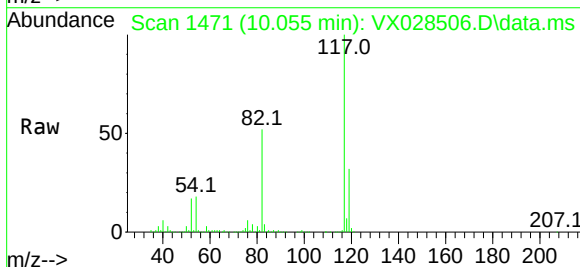
Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#03

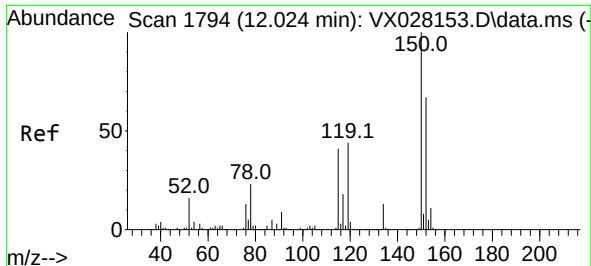
Tgt Ion: 95 Resp: 348872
Ion Ratio Lower Upper
95 100
174 85.3 0.0 163.0
176 82.7 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028506.D
Acq: 03 May 2022 17:02

Tgt Ion: 117 Resp: 672438
Ion Ratio Lower Upper
117 100
82 52.2 41.8 62.8
119 32.3 24.8 37.2

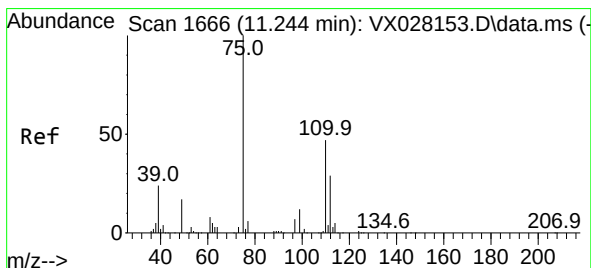
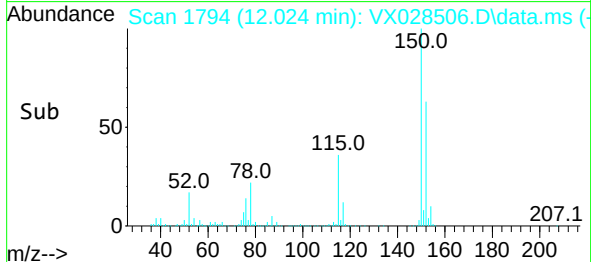
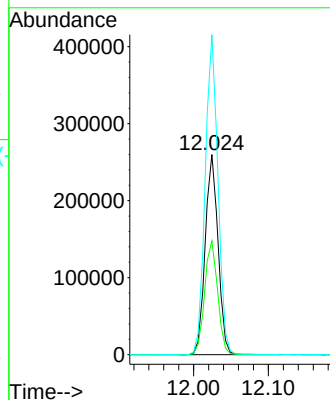
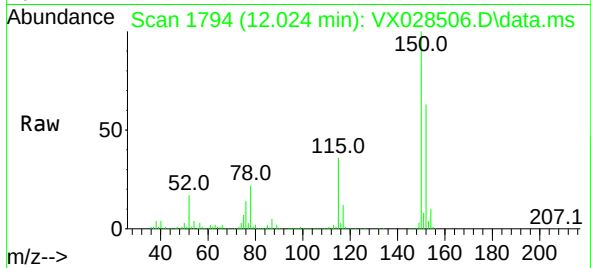




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028506.D
 Acq: 03 May 2022 17:02

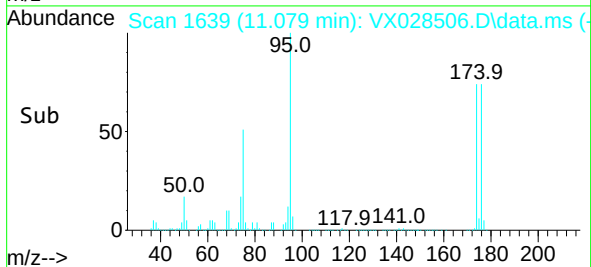
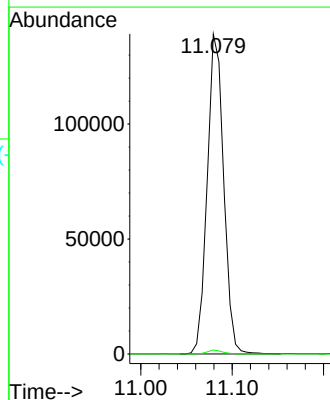
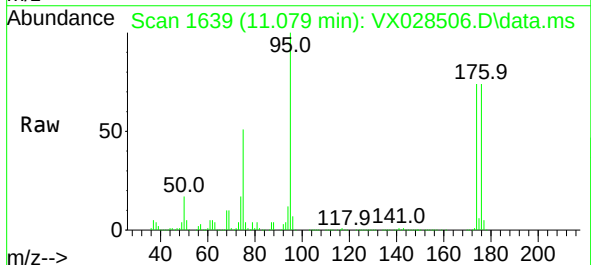
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144525ZHE#03

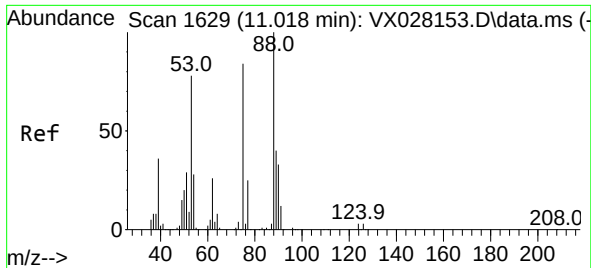
Tgt Ion:152 Resp: 310626
 Ion Ratio Lower Upper
 152 100
 115 57.5 37.5 112.7
 150 158.2 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 28.370 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX028506.D
 Acq: 03 May 2022 17:02

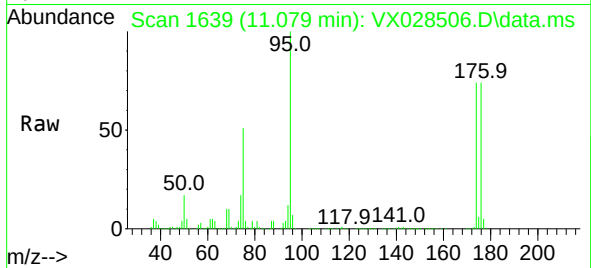
Tgt Ion: 75 Resp: 173434
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.308 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028506.D
 Acq: 03 May 2022 17:02

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144525ZHE#03



Tgt Ion: 75 Resp: 173434
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

