

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042922\
 Data File : VX028448.D
 Acq On : 30 Apr 2022 01:30
 Operator : JC/MD
 Sample : PB144452ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144452ZHE#03

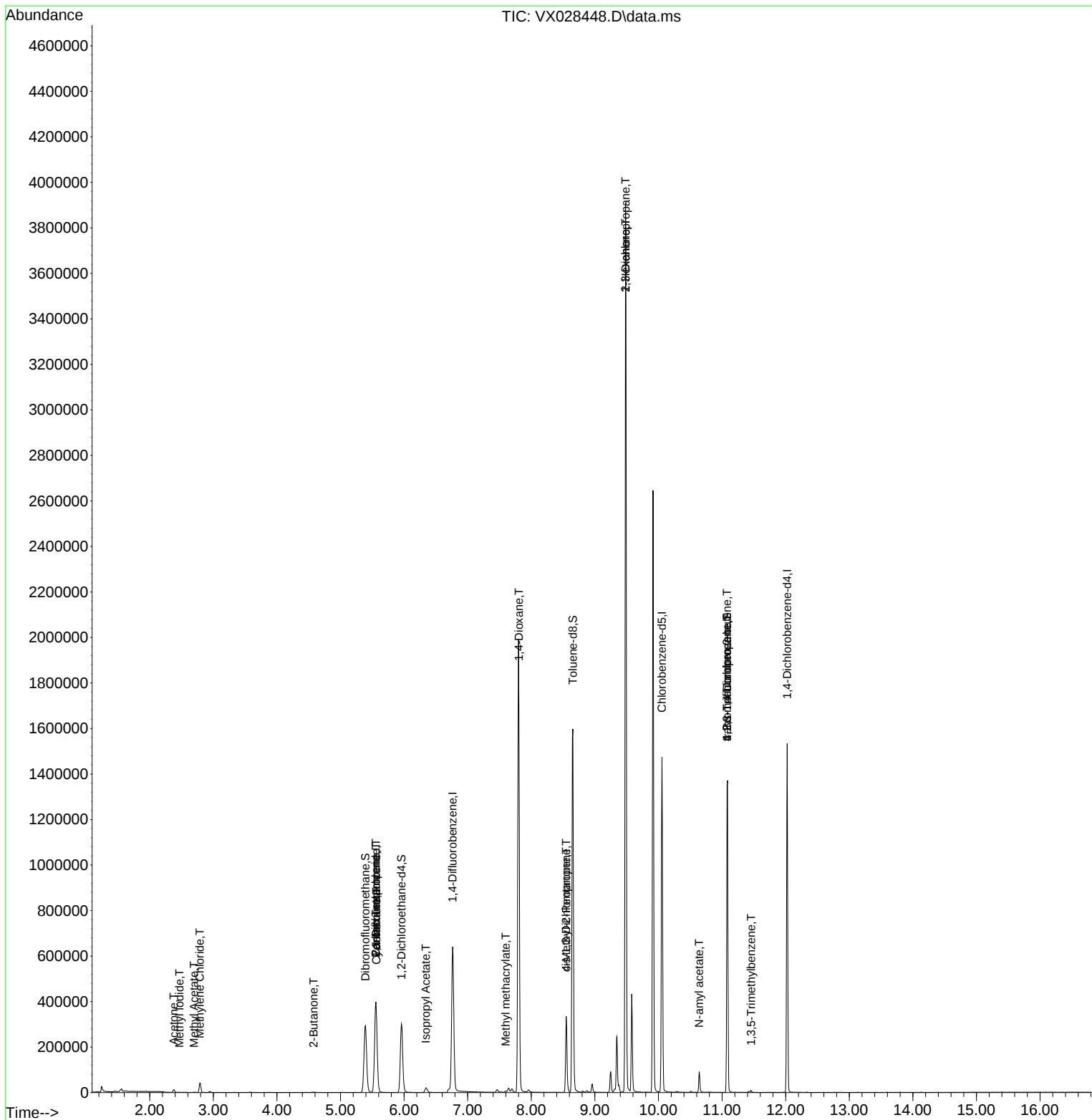
Quant Time: Apr 30 09:21:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	384667	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	669005	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	682558	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	310844	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	286649	57.151	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 114.300%			
35) Dibromofluoromethane	5.391	113	257433	54.870	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 109.740%			
50) Toluene-d8	8.653	98	989597	54.917	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 109.840%			
62) 4-Bromofluorobenzene	11.079	95	356856	51.793	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 103.580%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	381	Below Cal	#	75
5) Bromomethane	1.617	94	1014	Below Cal	#	78
6) Chloroethane	1.648	64	291	Below Cal	#	81
8) Diethyl Ether	2.154	74	46	Below Cal	#	1
10) Methyl Iodide	2.465	142	708	5.383	ug/l #	81
11) Tert butyl alcohol	2.940	59	2473	Below Cal	#	72
16) Acetone	2.380	43	13036	7.153	ug/l	97
18) Methyl Acetate	2.697	43	2147	0.481	ug/l	90
20) Methylene Chloride	2.788	84	20287	5.451	ug/l	94
25) 2-Butanone	4.574	43	2345	0.789	ug/l #	80
31) Cyclohexane	5.562	56	7758	1.270	ug/l #	18
36) 1,1-Dichloropropene	5.556	75	28559	4.667	ug/l #	49
38) Carbon Tetrachloride	5.556	117	38611	5.589	ug/l #	15
43) Isopropyl Acetate	6.342	43	28498	2.820	ug/l	96
48) Methyl methacrylate	7.598	41	8735	1.883	ug/l #	7
49) 1,4-Dioxane	7.805	88	419	3.376	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	106572	16.433	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	56223	7.452	ug/l #	71
57) 1,3-Dichloropropane	9.482	76	37847	4.637	ug/l #	43
59) 2-Hexanone	9.482	43	425539	84.706	ug/l #	45
74) N-amyl acetate	10.640	43	19269	2.609	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	177959	29.090	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.457	105	4129	0.228	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.079	75	177959	86.447	ug/l #	15

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

Quant Time: Apr 30 09:21:53 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
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Response via : Initial Calibration

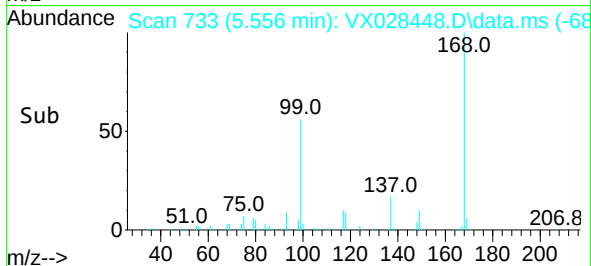
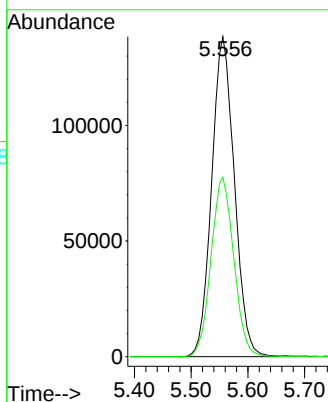
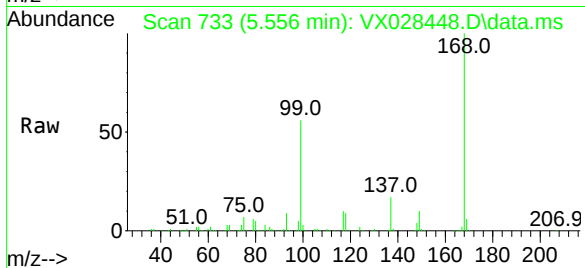




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028448.D
Acq: 30 Apr 2022 01:30

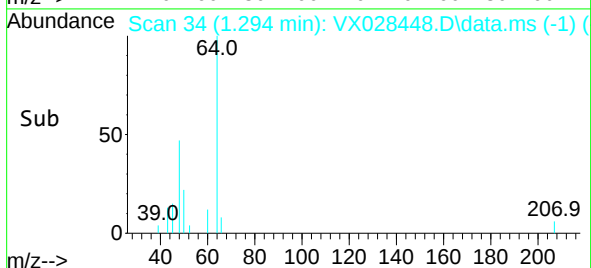
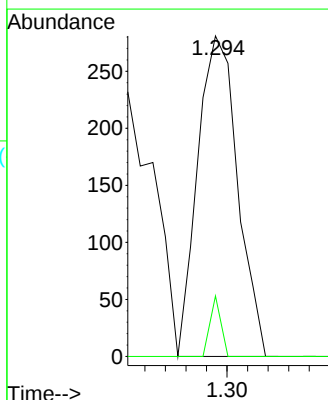
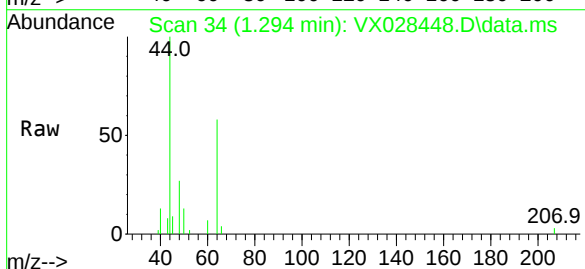
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#03

Tgt Ion:168 Resp: 384667
Ion Ratio Lower Upper
168 100
99 56.1 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028448.D
Acq: 30 Apr 2022 01:30

Tgt Ion: 50 Resp: 381
Ion Ratio Lower Upper
50 100
52 18.9 26.4 39.6#

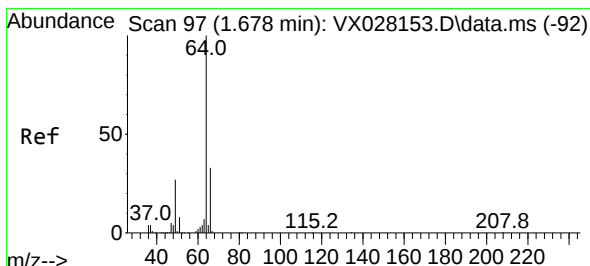
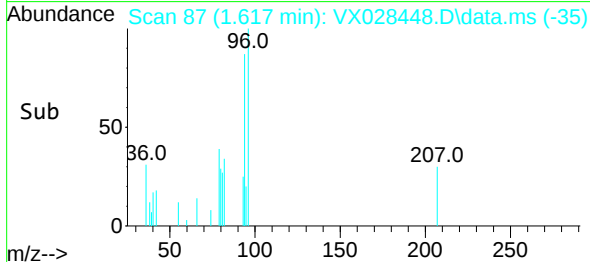
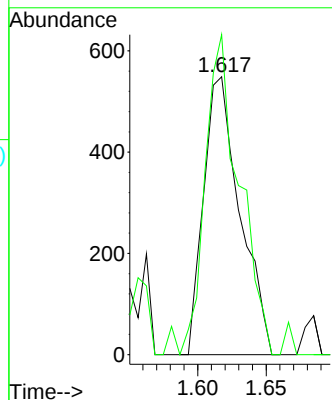
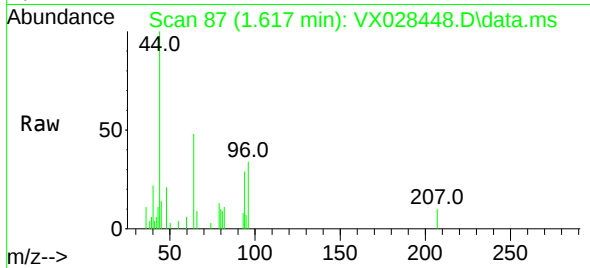




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX028448.D
Acq: 30 Apr 2022 01:30

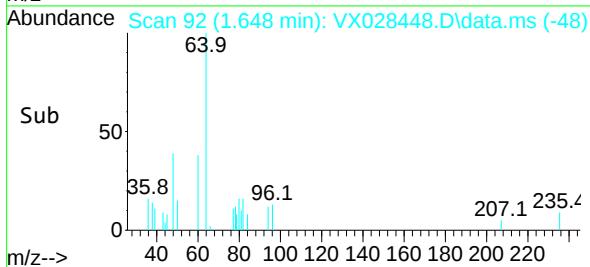
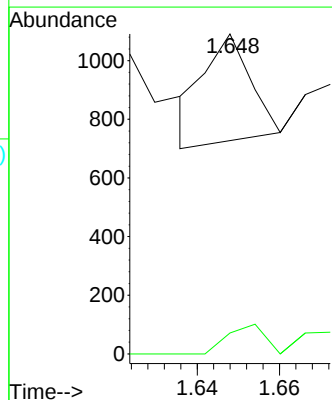
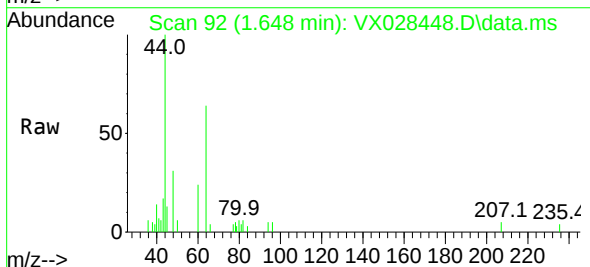
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#03

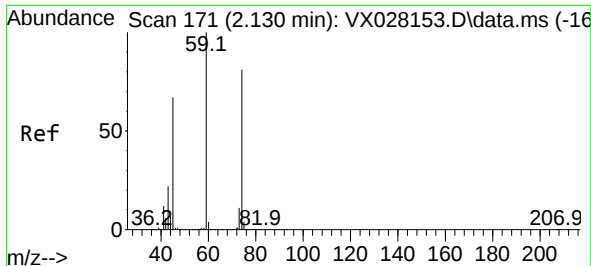
Tgt Ion: 94 Resp: 1014
Ion Ratio Lower Upper
94 100
96 115.1 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.648 min Scan# 92
Delta R.T. -0.030 min
Lab File: VX028448.D
Acq: 30 Apr 2022 01:30

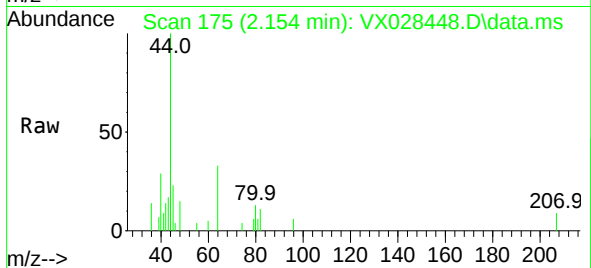
Tgt Ion: 64 Resp: 291
Ion Ratio Lower Upper
64 100
66 21.1 25.3 37.9#



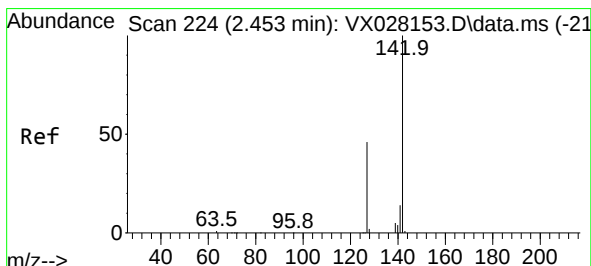
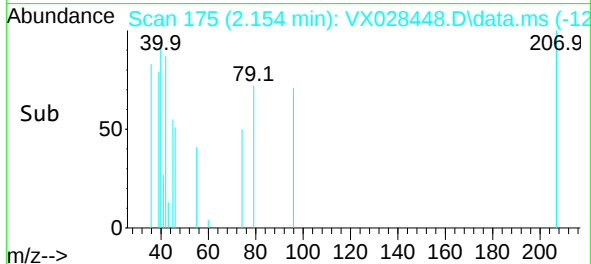
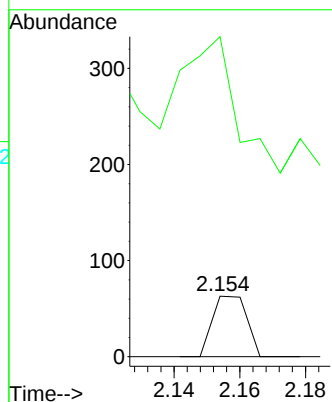


#8
Diethyl Ether
Concen: Below Cal
RT: 2.154 min Scan# 11
Delta R.T. 0.024 min
Lab File: VX028448.D
Acq: 30 Apr 2022 01:30

Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#03

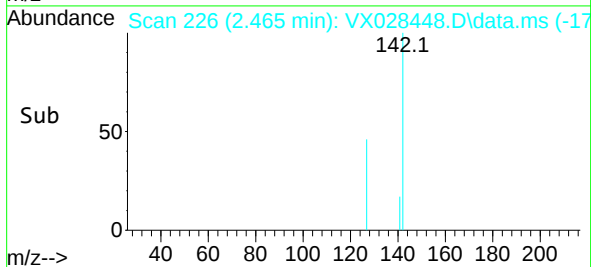
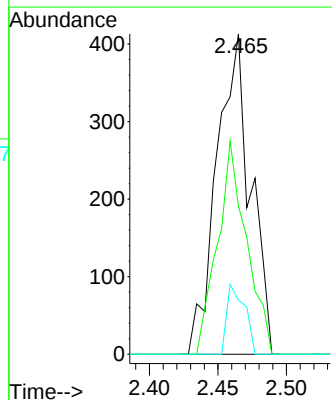
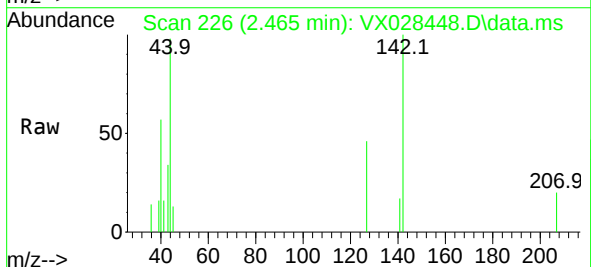


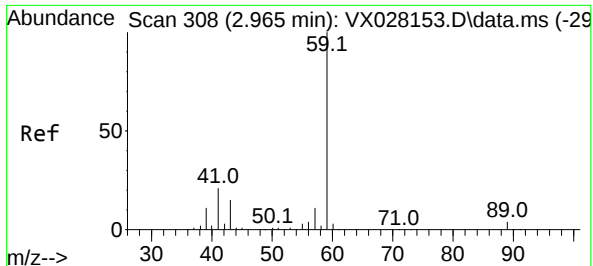
Tgt Ion: 74 Resp: 46
Ion Ratio Lower Upper
74 100
45 1054.3 42.0 126.0#



#10
Methyl Iodide
Concen: 5.383 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX028448.D
Acq: 30 Apr 2022 01:30

Tgt Ion:142 Resp: 708
Ion Ratio Lower Upper
142 100
127 57.2 33.9 50.9#
141 11.4 11.4 17.2





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.940 min Scan# 308

Delta R.T. -0.025 min

Lab File: VX028448.D

Acq: 30 Apr 2022 01:30

Instrument :

MSVOA_X

ClientSampleId :

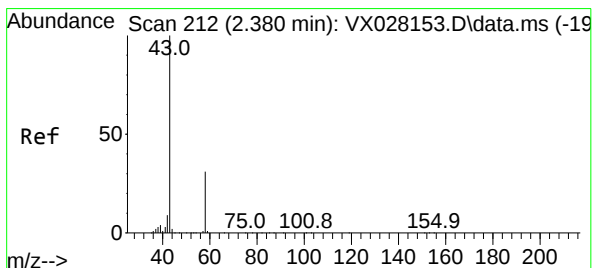
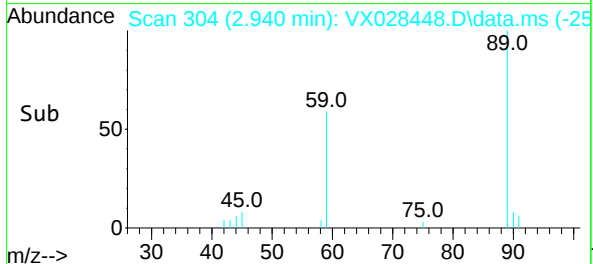
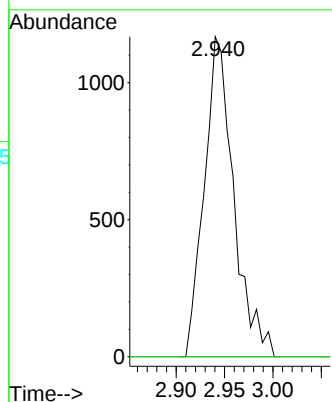
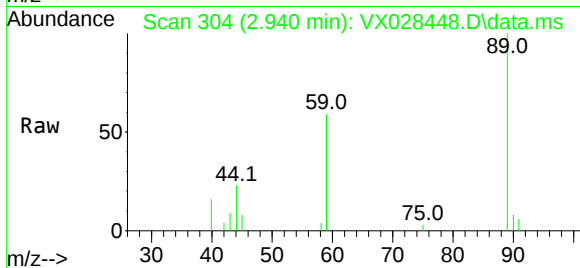
PB144452ZHE#03

Tgt Ion: 59 Resp: 2473

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 7.153 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX028448.D

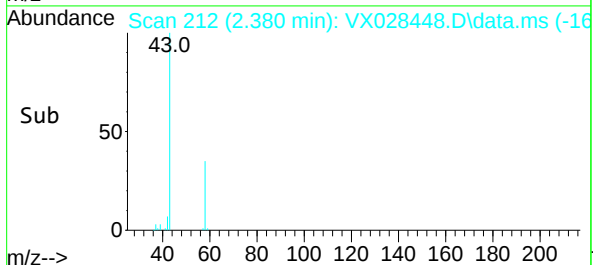
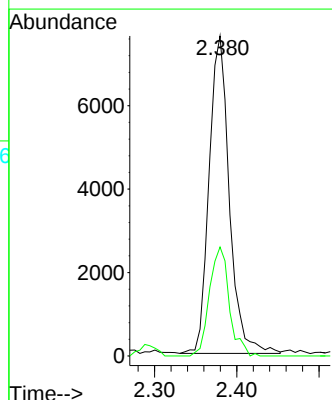
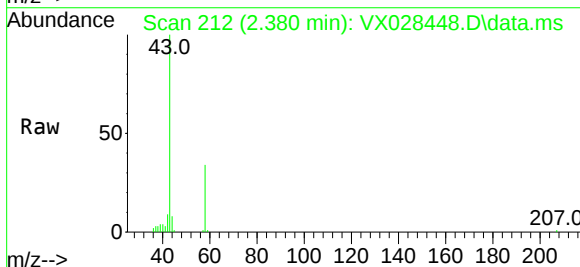
Acq: 30 Apr 2022 01:30

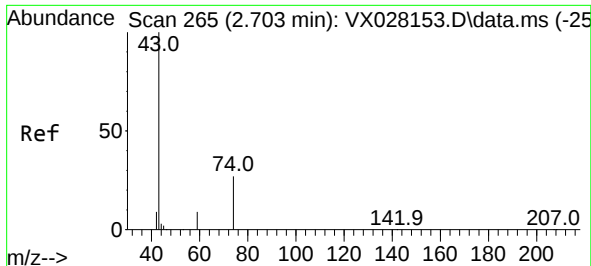
Tgt Ion: 43 Resp: 13036

Ion Ratio Lower Upper

43 100

58 34.3 28.8 43.2

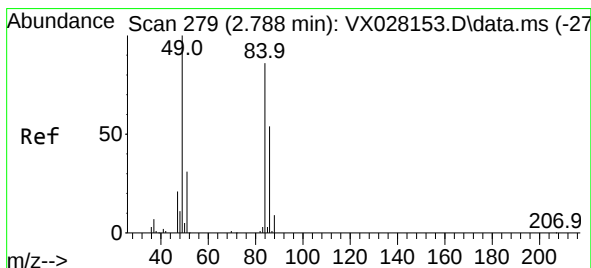
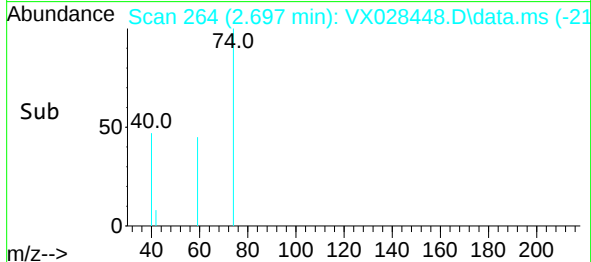
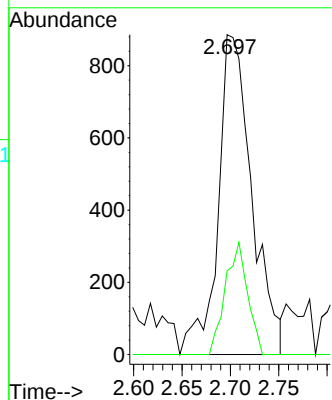
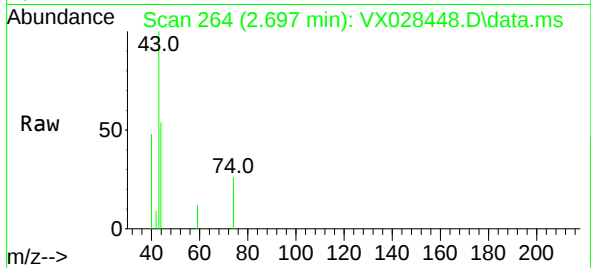




#18
Methyl Acetate
Concen: 0.481 ug/l
RT: 2.697 min Scan# 2147
Delta R.T. -0.006 min
Lab File: VX028448.D
Acq: 30 Apr 2022 01:30

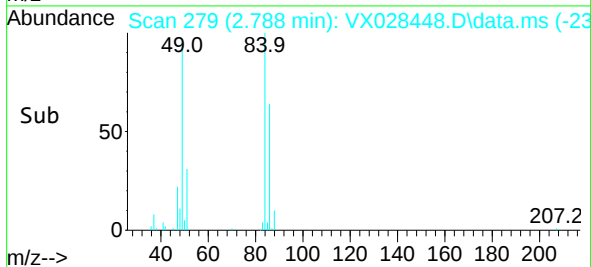
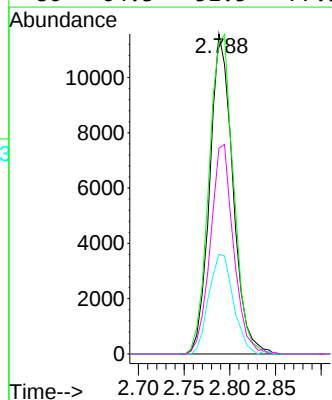
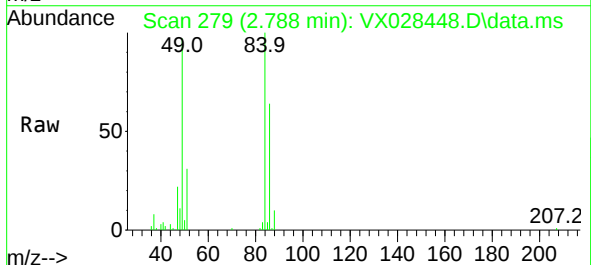
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#03

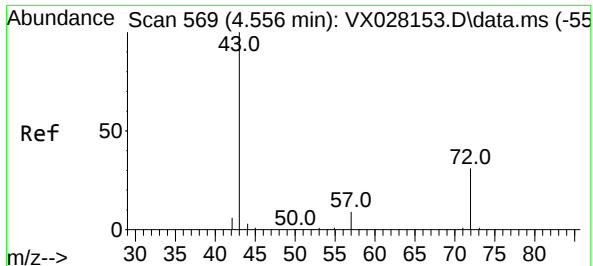
Tgt Ion: 43 Resp: 2147
Ion Ratio Lower Upper
43 100
74 23.1 22.8 34.2



#20
Methylene Chloride
Concen: 5.451 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028448.D
Acq: 30 Apr 2022 01:30

Tgt Ion: 84 Resp: 20287
Ion Ratio Lower Upper
84 100
49 97.1 85.5 128.3
51 31.2 26.6 39.8
86 64.3 51.5 77.3





#25

2-Butanone

Concen: 0.789 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX028448.D

Acq: 30 Apr 2022 01:30

Instrument :

MSVOA_X

ClientSampleId :

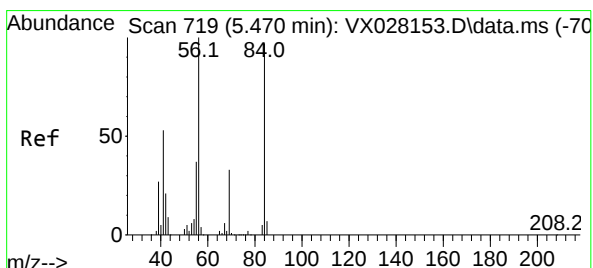
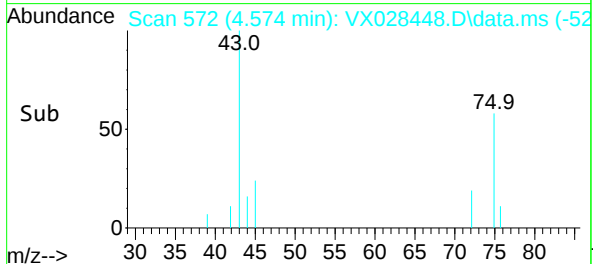
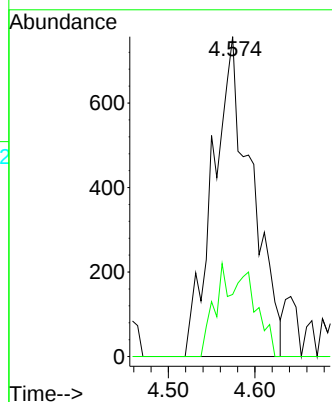
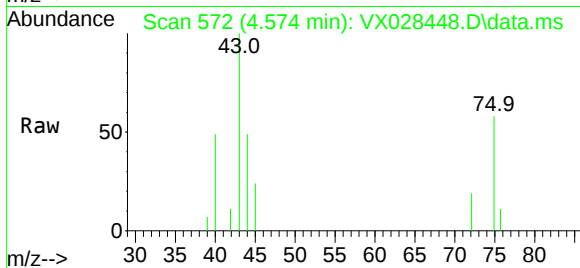
PB144452ZHE#03

Tgt Ion: 43 Resp: 2345

Ion Ratio Lower Upper

43 100

72 19.4 24.4 36.6#



#31

Cyclohexane

Concen: 1.270 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.092 min

Lab File: VX028448.D

Acq: 30 Apr 2022 01:30

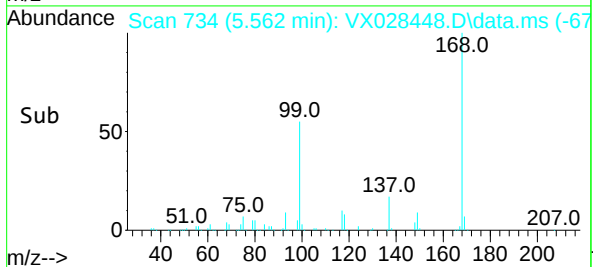
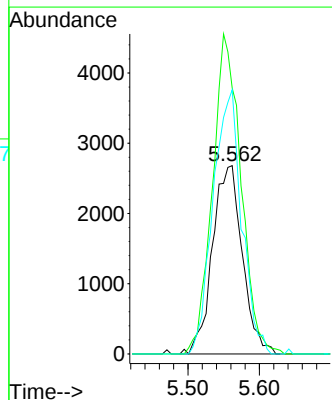
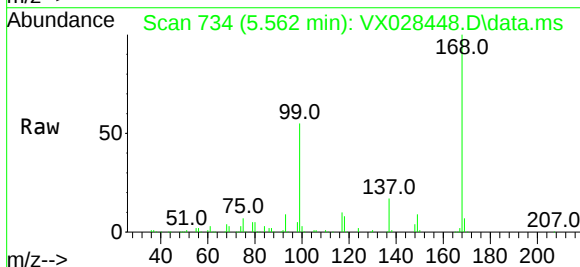
Tgt Ion: 56 Resp: 7758

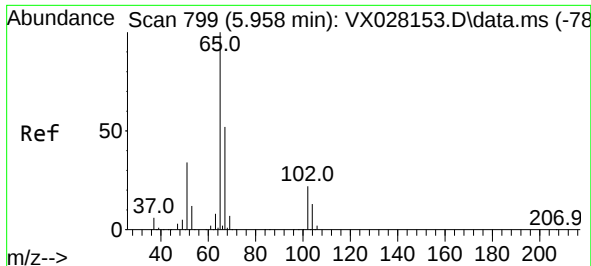
Ion Ratio Lower Upper

56 100

69 141.2 26.7 40.1#

84 140.3 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 57.151 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028448.D

Acq: 30 Apr 2022 01:30

Instrument :

MSVOA_X

ClientSampleId :

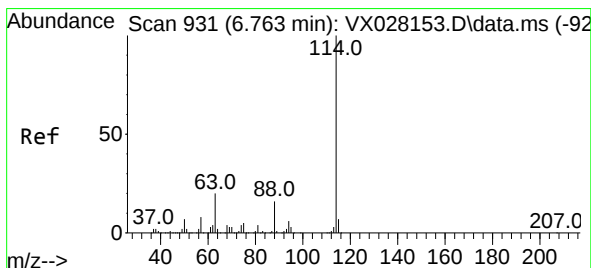
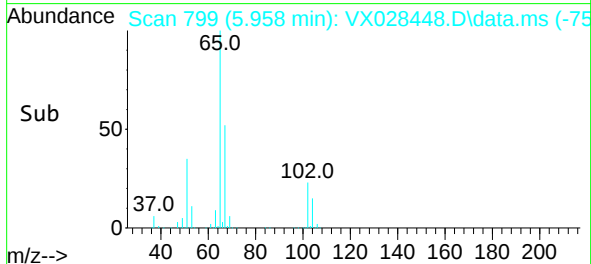
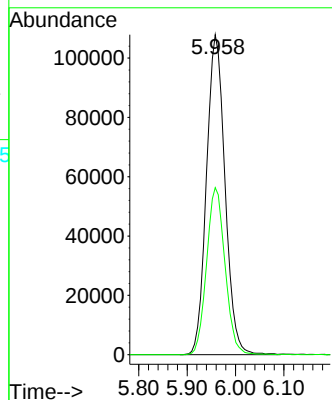
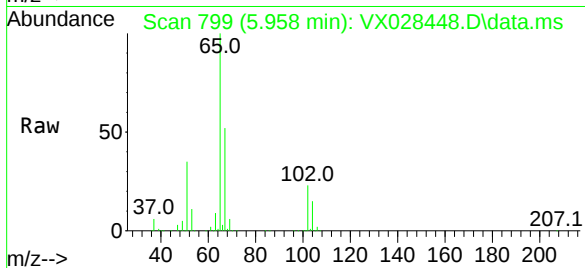
PB144452ZHE#03

Tgt Ion: 65 Resp: 286649

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# 931

Delta R.T. -0.000 min

Lab File: VX028448.D

Acq: 30 Apr 2022 01:30

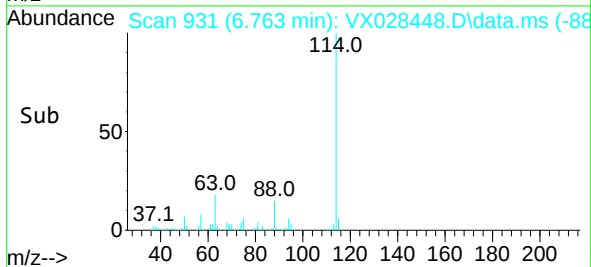
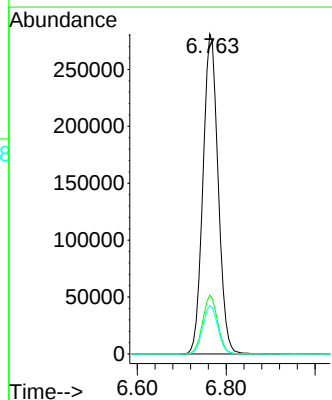
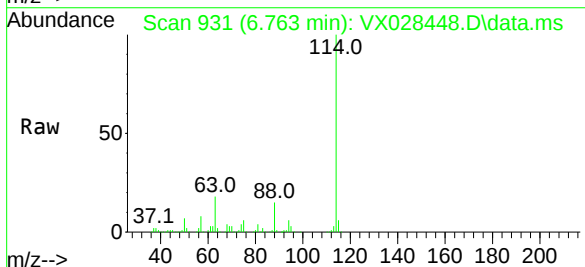
Tgt Ion: 114 Resp: 669005

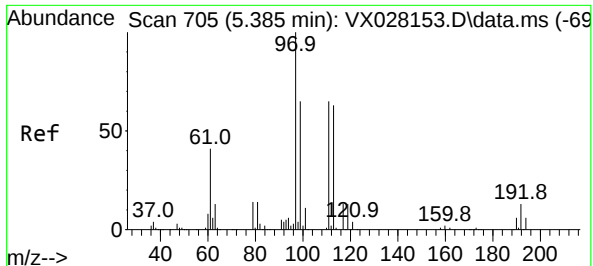
Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.8

88 15.1 0.0 32.4





#35

Dibromofluoromethane

Concen: 54.870 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028448.D

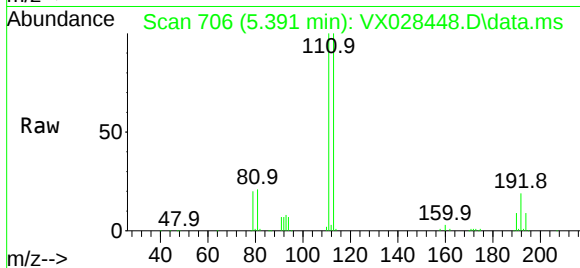
Acq: 30 Apr 2022 01:30

Instrument :

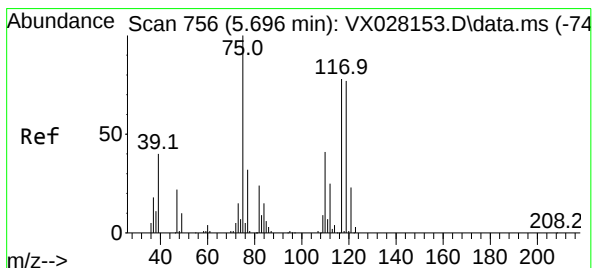
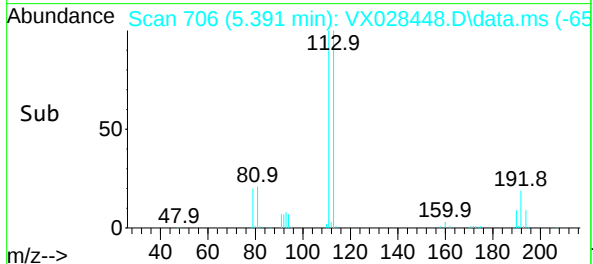
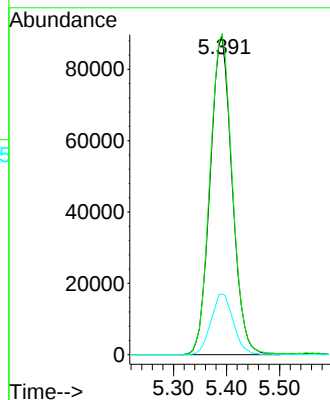
MSVOA_X

ClientSampleId :

PB144452ZHE#03



Tgt Ion:	113	Resp:	257433
Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.8	124.2
192	19.4	16.9	25.3



#36

1,1-Dichloropropene

Concen: 4.667 ug/l

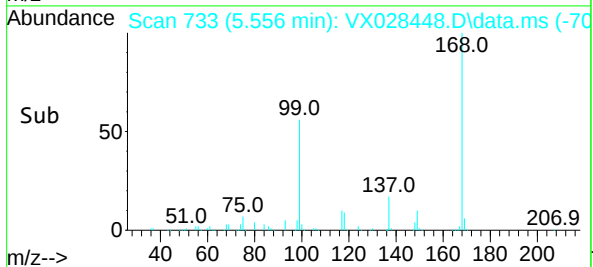
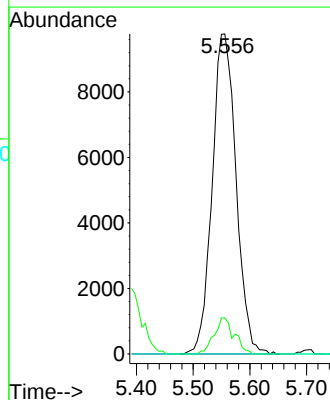
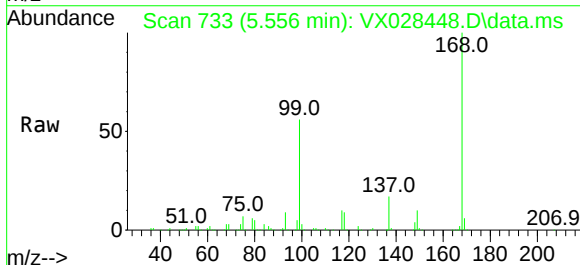
RT: 5.556 min Scan# 733

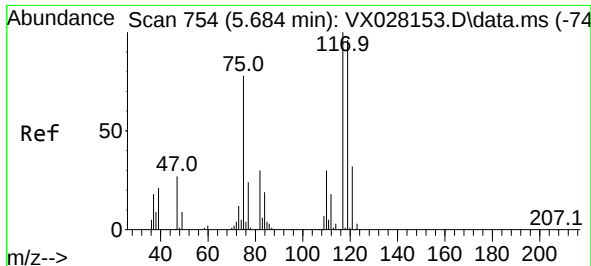
Delta R.T. -0.140 min

Lab File: VX028448.D

Acq: 30 Apr 2022 01:30

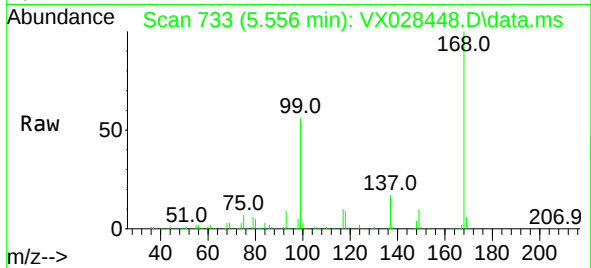
Tgt Ion:	75	Resp:	28559
Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.3	54.8#
77	0.0	24.8	37.2#



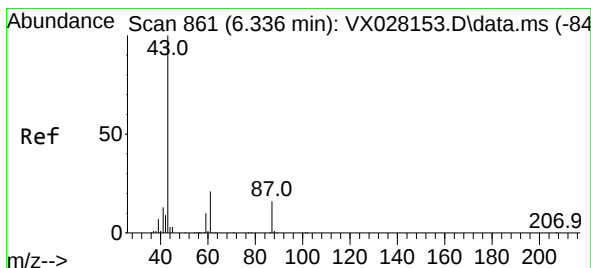
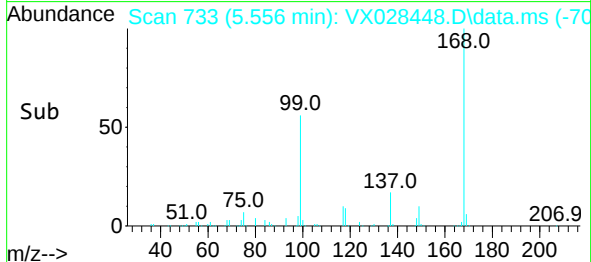
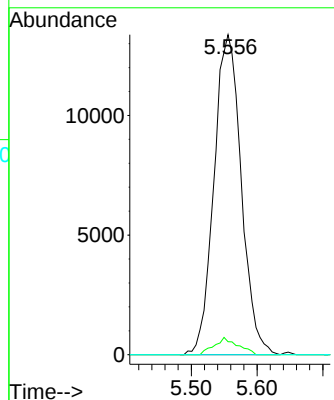


#38
Carbon Tetrachloride
Concen: 5.589 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX028448.D
Acq: 30 Apr 2022 01:30

Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#03

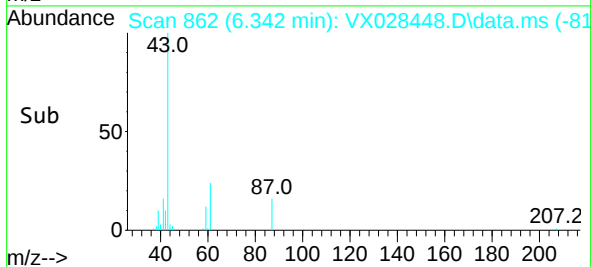
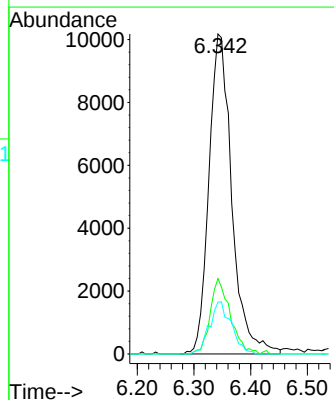
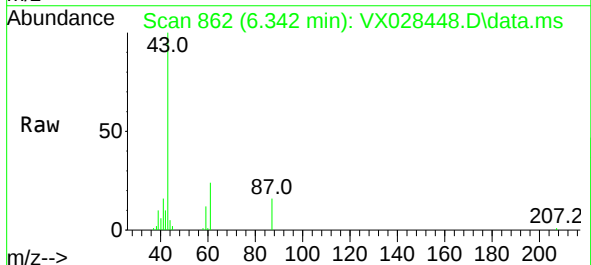


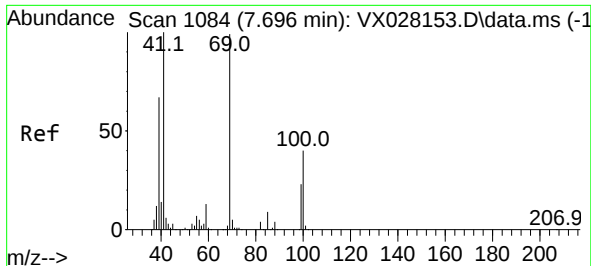
Tgt Ion:117 Resp: 38611
Ion Ratio Lower Upper
117 100
119 4.0 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.820 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028448.D
Acq: 30 Apr 2022 01:30

Tgt Ion: 43 Resp: 28498
Ion Ratio Lower Upper
43 100
61 20.7 18.5 27.7
87 15.6 13.0 19.6

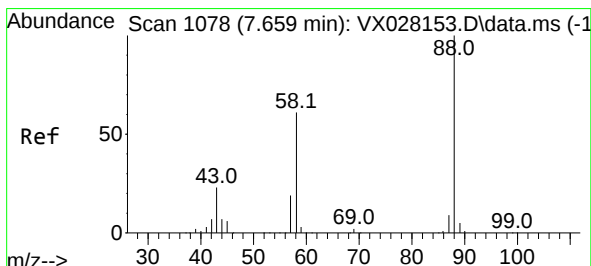
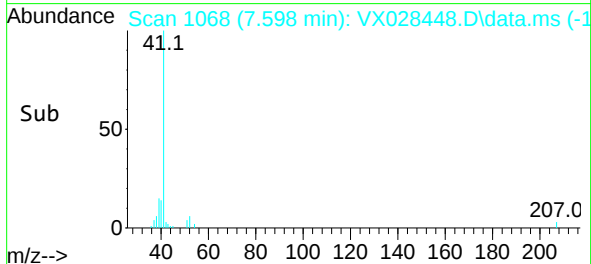
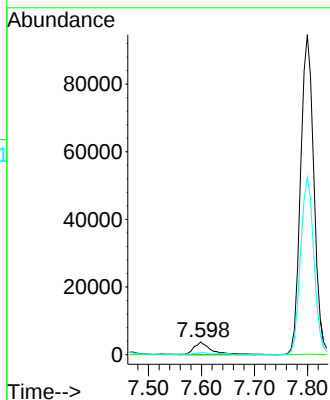
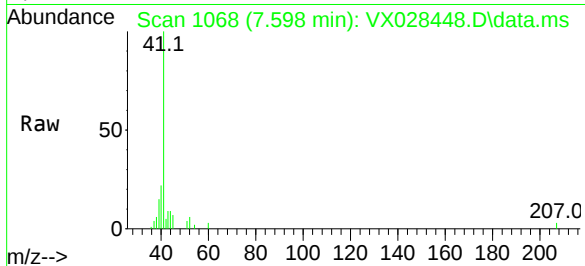




#48
Methyl methacrylate
Concen: 1.883 ug/l
RT: 7.598 min Scan# 1102
Delta R.T. -0.098 min
Lab File: VX028448.D
Acq: 30 Apr 2022 01:30

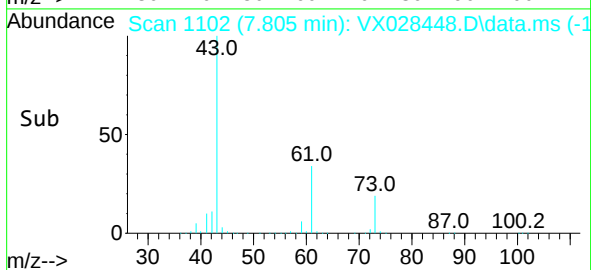
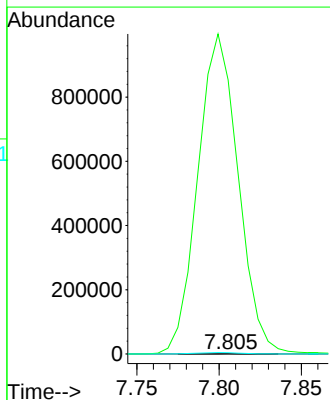
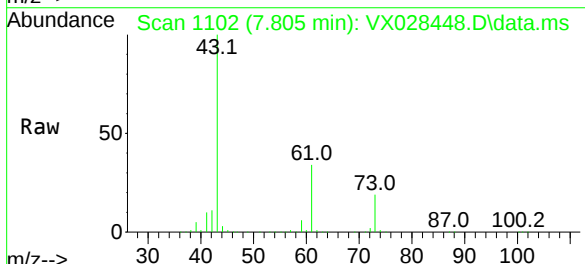
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#03

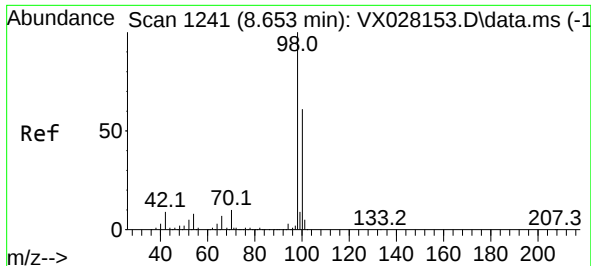
Tgt Ion: 41 Resp: 8735
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 3.376 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.146 min
Lab File: VX028448.D
Acq: 30 Apr 2022 01:30

Tgt Ion: 88 Resp: 419
Ion Ratio Lower Upper
88 100
43 408953.0 21.9 32.9#
58 1965.9 53.7 80.5#

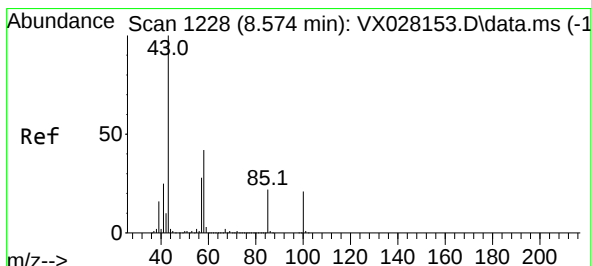
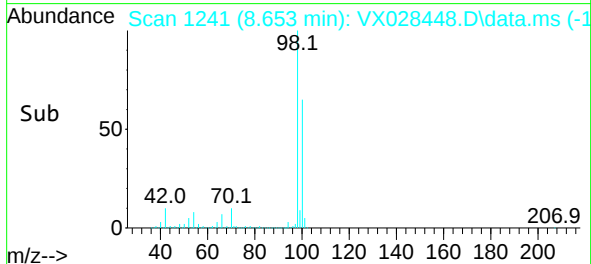
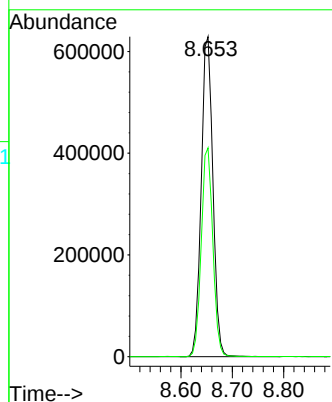
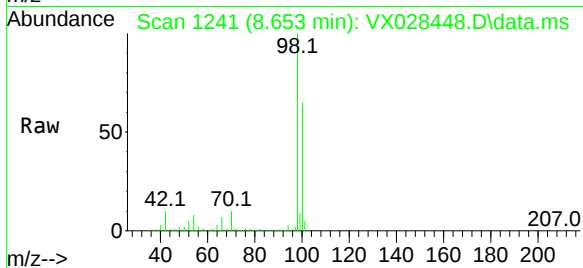




#50
Toluene-d8
Concen: 54.917 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028448.D
Acq: 30 Apr 2022 01:30

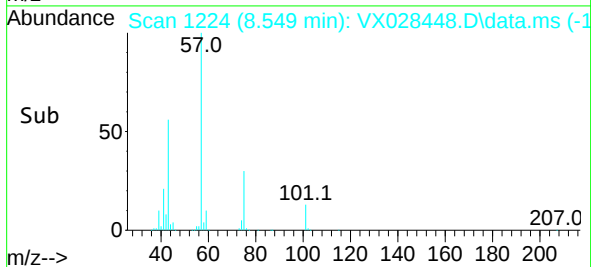
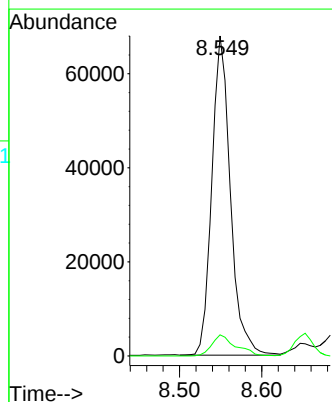
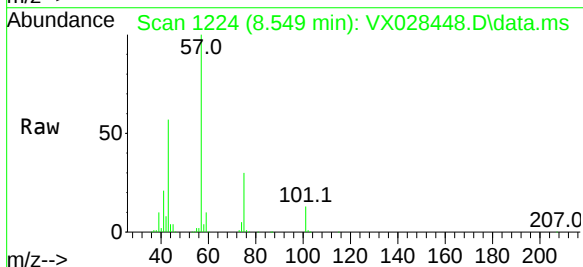
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#03

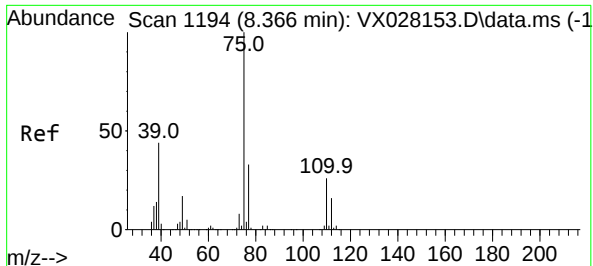
Tgt Ion: 98 Resp: 989597
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 16.433 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028448.D
Acq: 30 Apr 2022 01:30

Tgt Ion: 43 Resp: 106572
Ion Ratio Lower Upper
43 100
58 8.5 36.1 54.1#

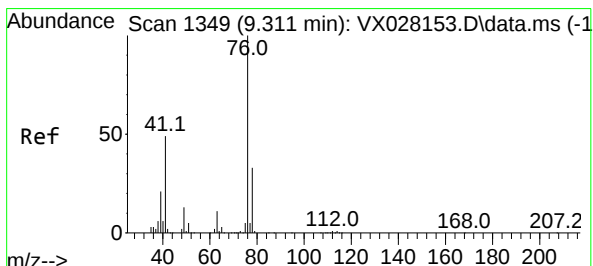
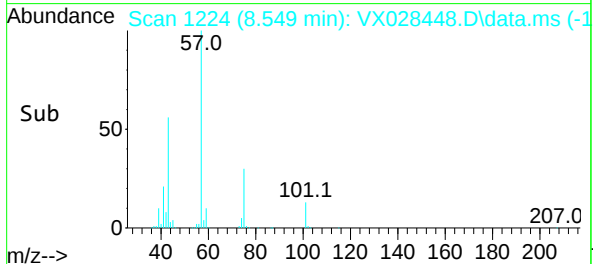
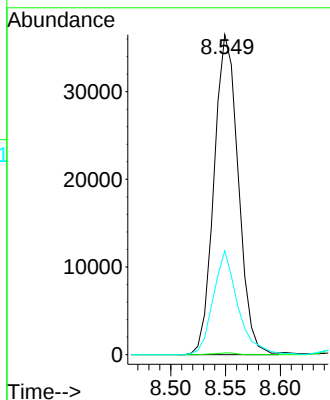
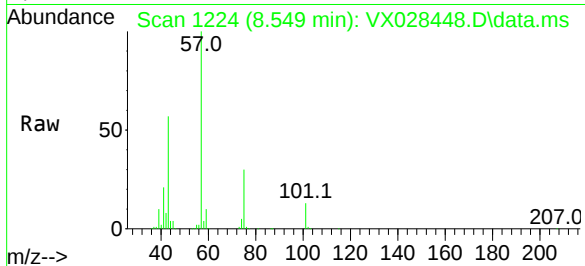




#54
 cis-1,3-Dichloropropene
 Concen: 7.452 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028448.D
 Acq: 30 Apr 2022 01:30

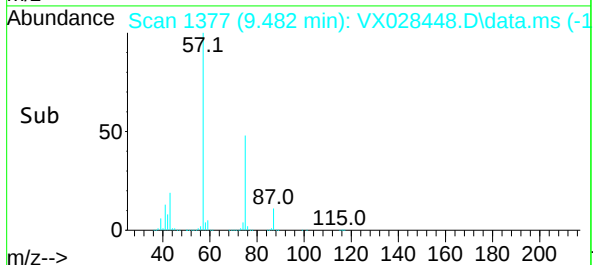
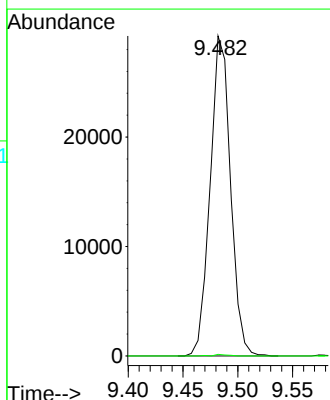
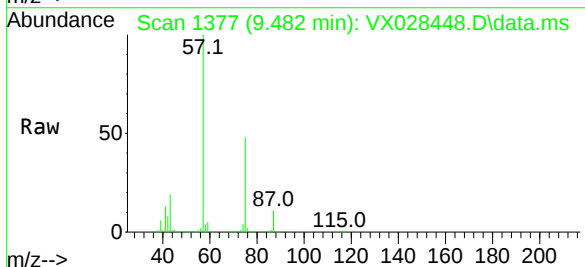
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144452ZHE#03

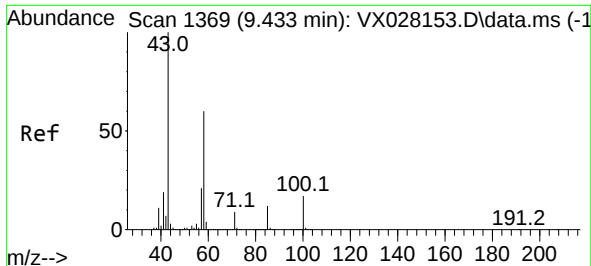
Tgt Ion: 75 Resp: 56223
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.8 37.2#
 39 32.4 29.6 44.4



#57
 1,3-Dichloropropane
 Concen: 4.637 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028448.D
 Acq: 30 Apr 2022 01:30

Tgt Ion: 76 Resp: 37847
 Ion Ratio Lower Upper
 76 100
 78 0.3 25.8 38.8#

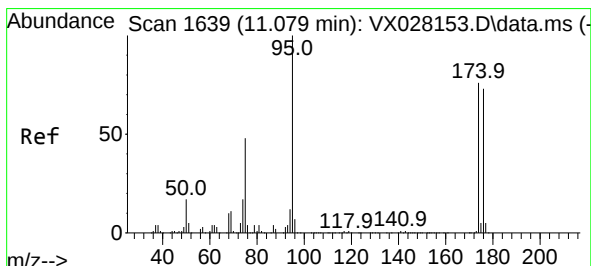
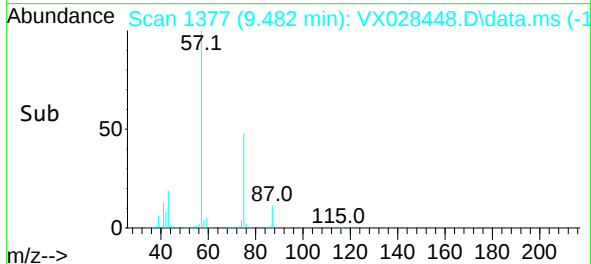
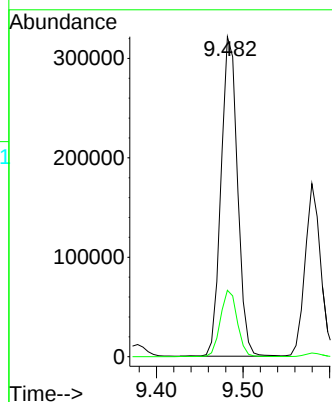
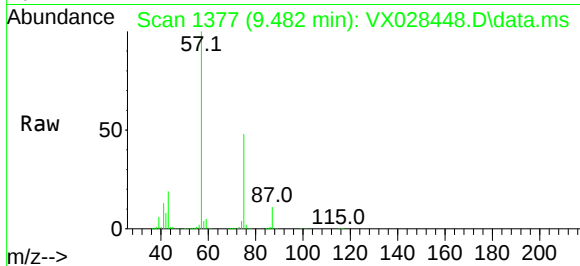




#59
2-Hexanone
Concen: 84.706 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX028448.D
Acq: 30 Apr 2022 01:30

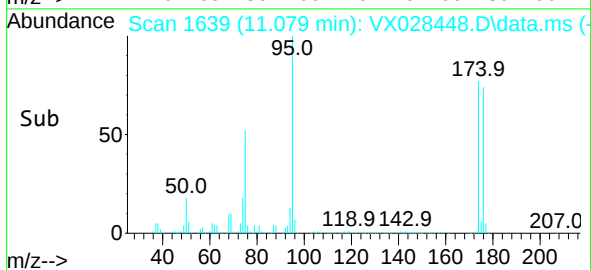
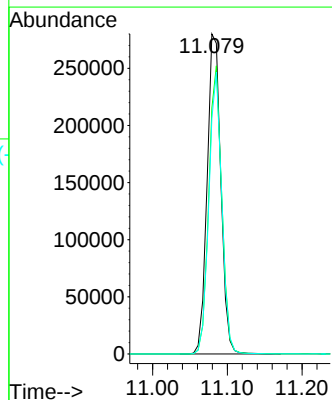
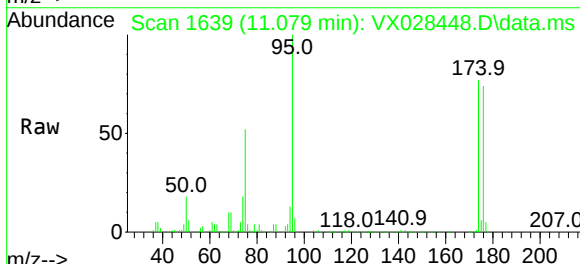
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#03

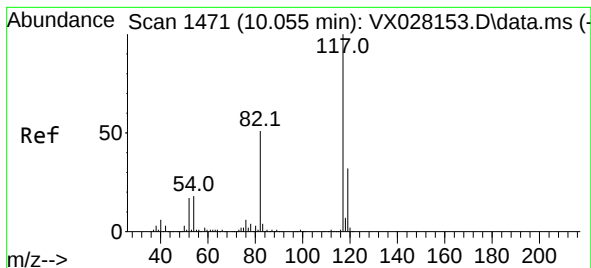
Tgt Ion: 43 Resp: 425539
Ion Ratio Lower Upper
43 100
58 21.0 31.9 95.7#



#62
4-Bromofluorobenzene
Concen: 51.793 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028448.D
Acq: 30 Apr 2022 01:30

Tgt Ion: 95 Resp: 356856
Ion Ratio Lower Upper
95 100
174 85.5 0.0 163.0
176 83.4 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: VX028448.D

Acq: 30 Apr 2022 01:30

Instrument :

MSVOA_X

ClientSampleId :

PB144452ZHE#03

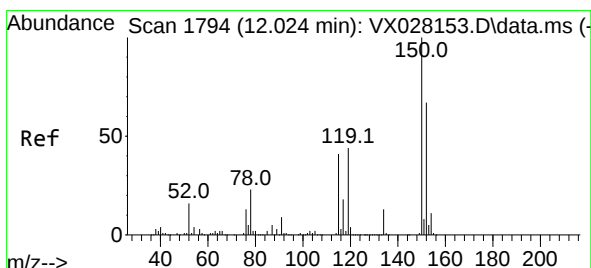
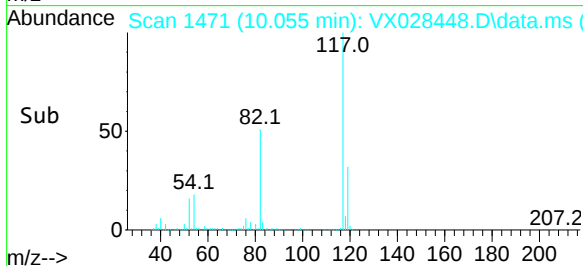
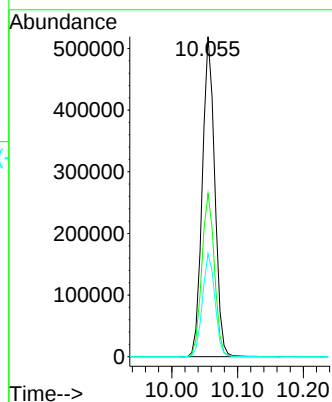
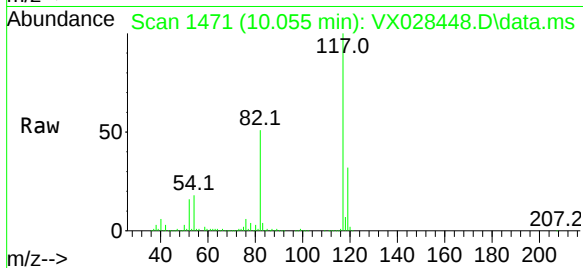
Tgt Ion:117 Resp: 682558

Ion Ratio Lower Upper

117 100

82 51.0 41.8 62.8

119 32.2 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: VX028448.D

Acq: 30 Apr 2022 01:30

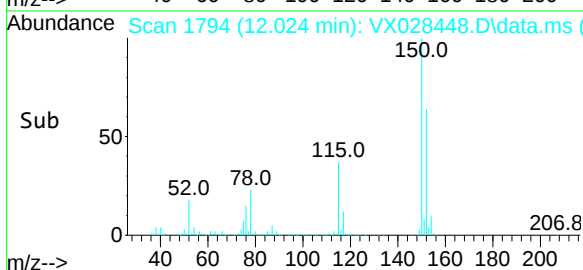
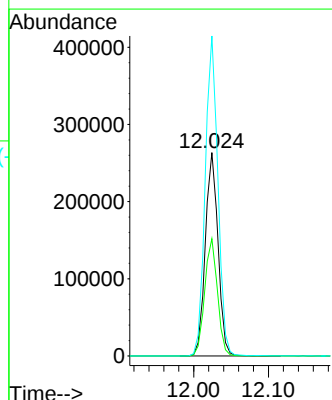
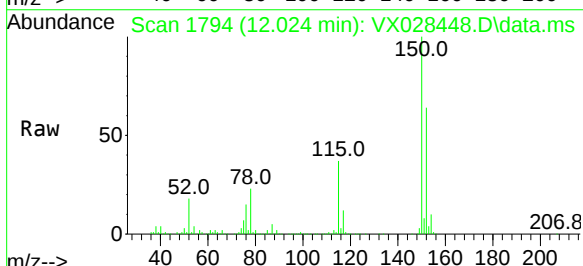
Tgt Ion:152 Resp: 310844

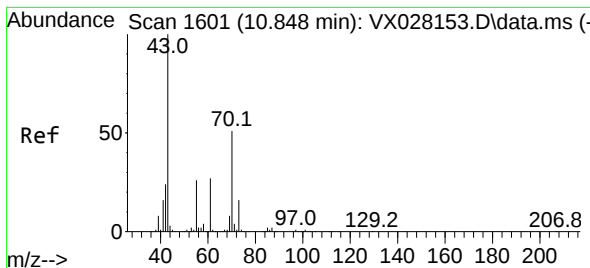
Ion Ratio Lower Upper

152 100

115 57.8 37.5 112.7

150 156.8 0.0 338.2





#74

N-amy1 acetate

Concen: 2.609 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.208 min

Lab File: VX028448.D

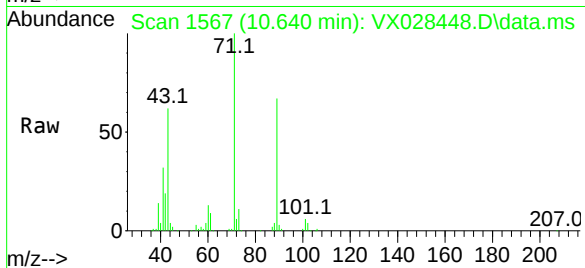
Acq: 30 Apr 2022 01:30

Instrument :

MSVOA_X

ClientSampleId :

PB144452ZHE#03



Tgt Ion: 43 Resp: 19269

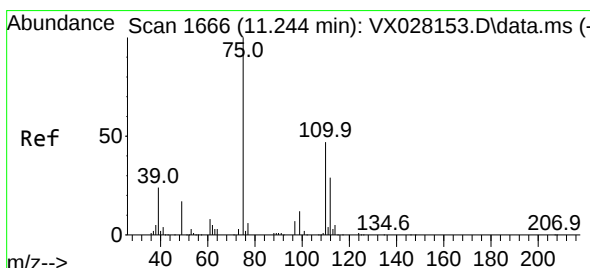
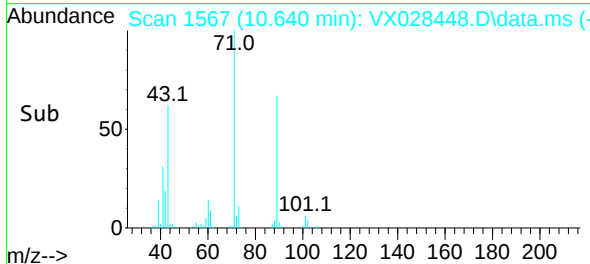
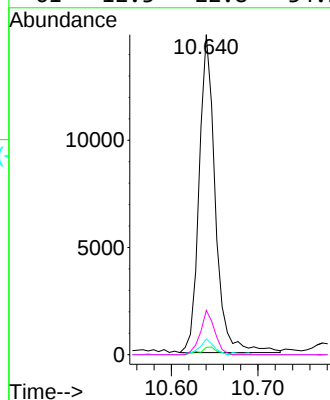
Ion Ratio Lower Upper

43 100

70 2.5 42.5 63.7#

55 4.4 23.1 34.7#

61 12.3 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 29.090 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX028448.D

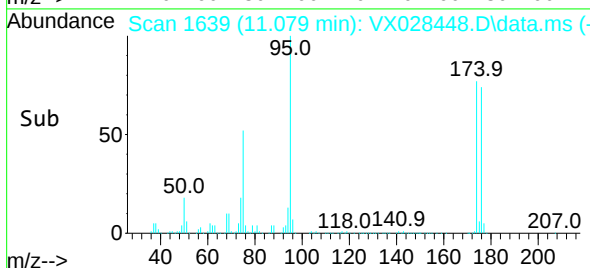
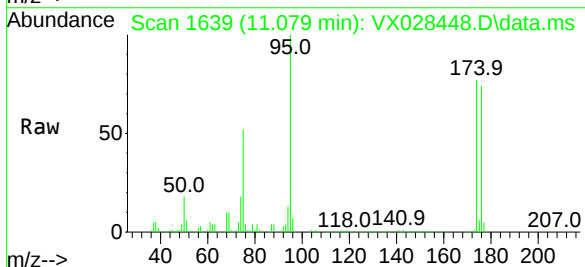
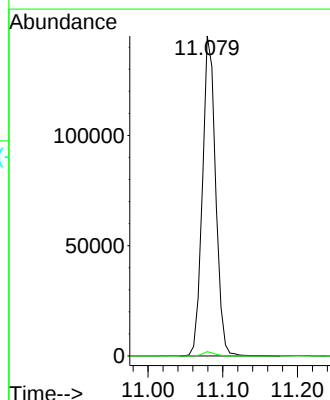
Acq: 30 Apr 2022 01:30

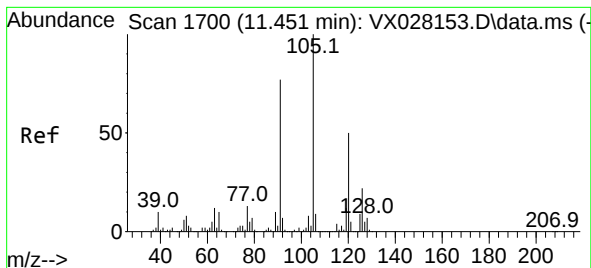
Tgt Ion: 75 Resp: 177959

Ion Ratio Lower Upper

75 100

77 1.2 19.4 58.2#





#80

1,3,5-Trimethylbenzene

Concen: 0.228 ug/l

RT: 11.457 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX028448.D

Acq: 30 Apr 2022 01:30

Instrument :

MSVOA_X

ClientSampleId :

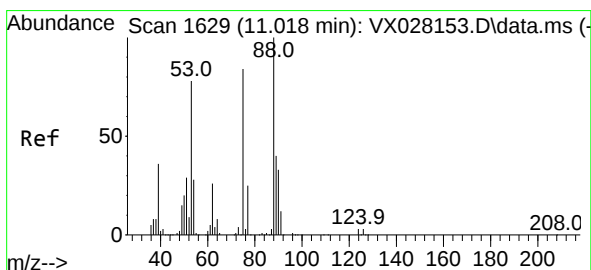
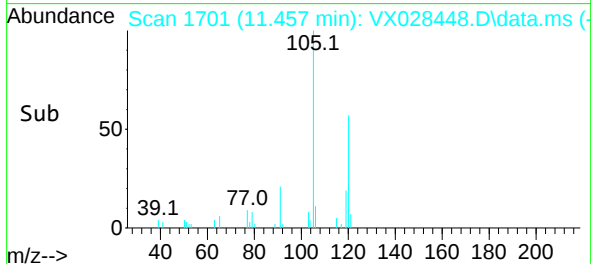
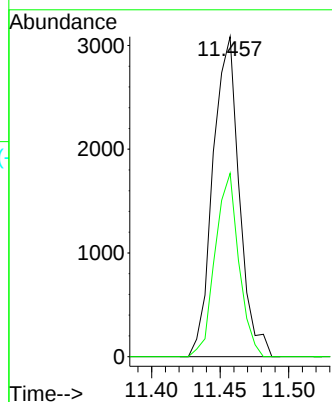
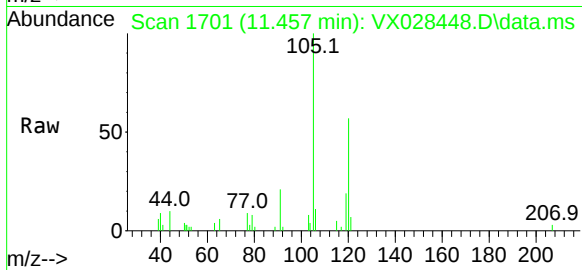
PB144452ZHE#03

Tgt Ion:105 Resp: 4129

Ion Ratio Lower Upper

105 100

120 51.6 24.3 72.9



#81

trans-1,4-Dichloro-2-butene

Concen: 86.447 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX028448.D

Acq: 30 Apr 2022 01:30

Tgt Ion: 75 Resp: 177959

Ion Ratio Lower Upper

75 100

53 0.0 69.0 103.4#

89 0.0 37.0 55.6#

