

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042922\
 Data File : VX028445.D
 Acq On : 30 Apr 2022 00:20
 Operator : JC/MD
 Sample : PB144452TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144452TB

Quant Time: Apr 30 09:21:10 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)

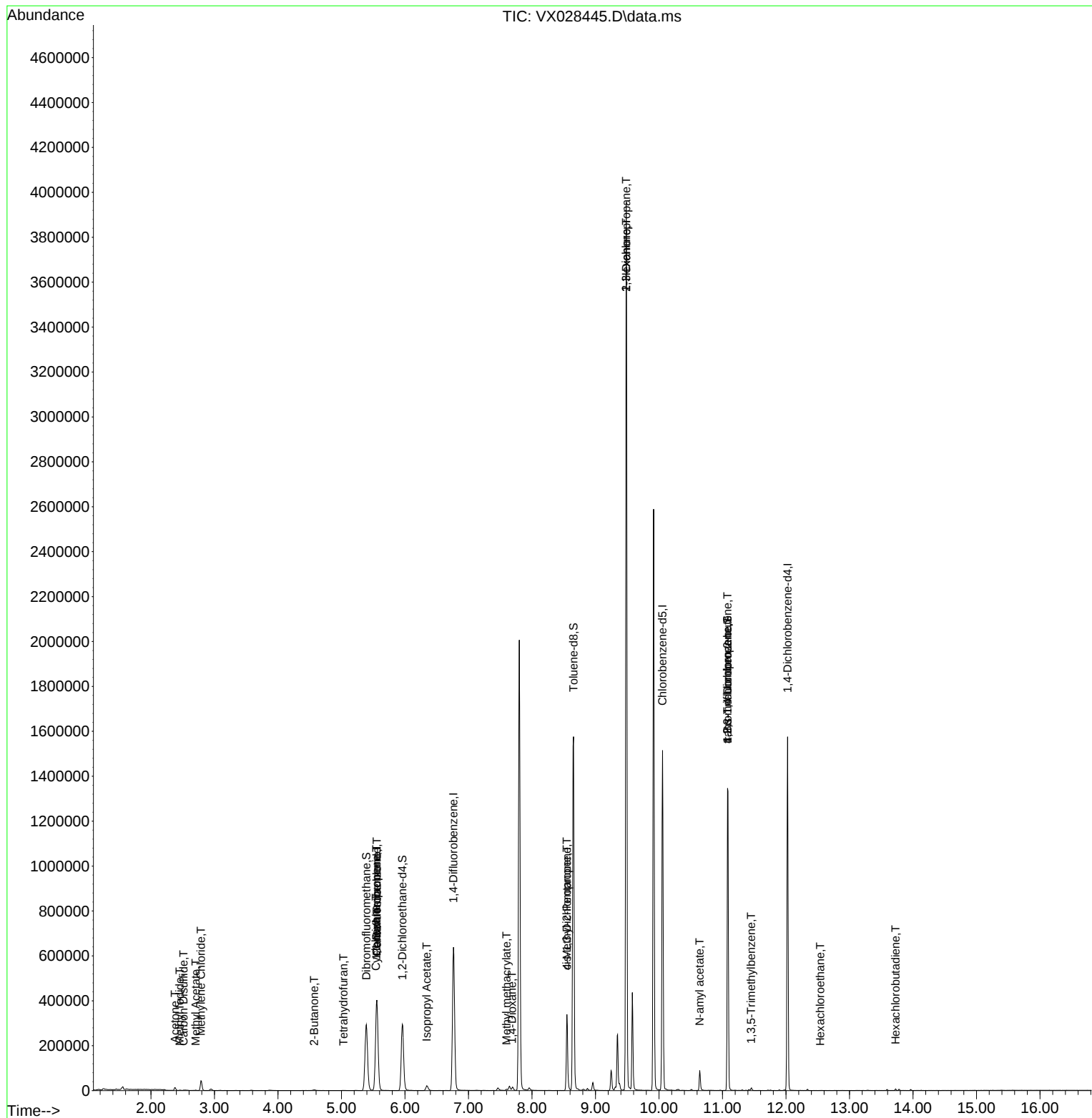
Internal Standards						
1) Pentafluorobenzene	5.556	168	387495	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	681321	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	700190	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	329306	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	281354	55.686	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 111.380%			
35) Dibromofluoromethane	5.391	113	253483	53.052	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 106.100%			
50) Toluene-d8	8.653	98	969903	52.851	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.700%			
62) 4-Bromofluorobenzene	11.079	95	360990	51.446	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 102.900%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	580	Below Cal	#	86
5) Bromomethane	1.612	94	1555	Below Cal		89
6) Chloroethane	1.685	64	478	Below Cal	#	71
10) Methyl Iodide	2.453	142	1733	5.596	ug/l	97
11) Tert butyl alcohol	2.947	59	3569	Below Cal	#	72
16) Acetone	2.380	43	13732	7.545	ug/l	98
17) Carbon Disulfide	2.514	76	1781	0.222	ug/l #	93
18) Methyl Acetate	2.703	43	1887	0.420	ug/l	98
20) Methylene Chloride	2.788	84	20510	5.471	ug/l	95
25) 2-Butanone	4.568	43	2596	0.868	ug/l #	82
29) Tetrahydrofuran	5.032	42	414	0.212	ug/l	92
31) Cyclohexane	5.544	56	8082	1.313	ug/l #	14
36) 1,1-Dichloropropene	5.550	75	28873	4.633	ug/l #	50
38) Carbon Tetrachloride	5.556	117	38519	5.475	ug/l #	16
43) Isopropyl Acetate	6.342	43	28613	2.780	ug/l	97
48) Methyl methacrylate	7.598	41	7584	1.605	ug/l #	7
49) 1,4-Dioxane	7.684	88	51	0.403	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	106166	16.074	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	56457	7.348	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	38442	4.625	ug/l #	43
59) 2-Hexanone	9.482	43	425763	83.219	ug/l #	45
74) N-amyl acetate	10.640	43	19014	2.430	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	175687	27.108	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	4340	0.226	ug/l	89
81) trans-1,4-Dichloro-2-b...	11.079	75	175687	80.558	ug/l #	15
90) Hexachloroethane	12.536	117	49	1.827	ug/l #	10
94) Hexachlorobutadiene	13.725	225	946	0.324	ug/l	91

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

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Response via : Initial Calibration

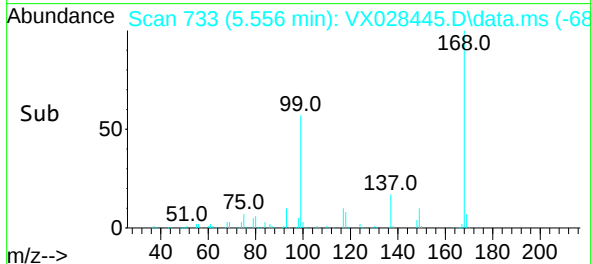
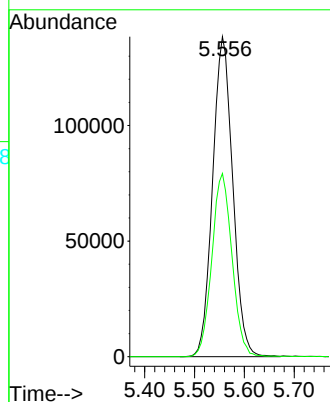
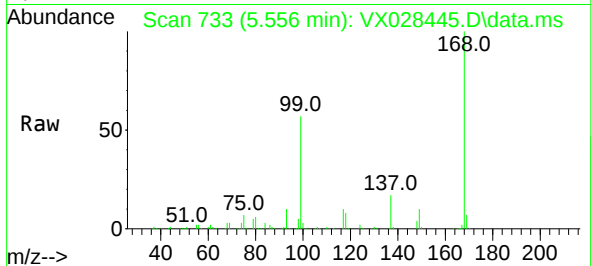




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028445.D
Acq: 30 Apr 2022 00:20

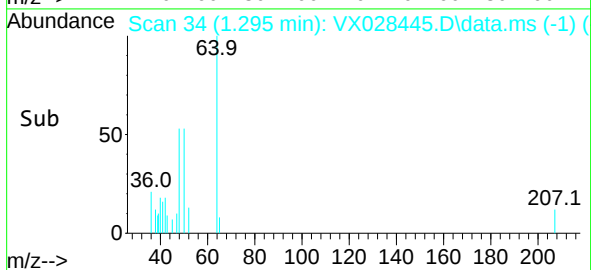
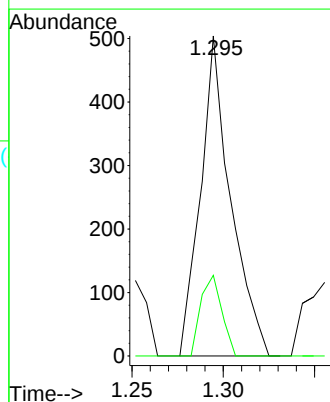
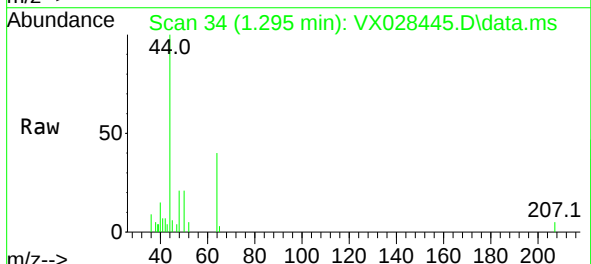
Instrument :
MSVOA_X
ClientSampleId :
PB144452TB

Tgt Ion:168 Resp: 387495
Ion Ratio Lower Upper
168 100
99 57.3 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. 0.001 min
Lab File: VX028445.D
Acq: 30 Apr 2022 00:20

Tgt Ion: 50 Resp: 580
Ion Ratio Lower Upper
50 100
52 25.2 26.4 39.6#

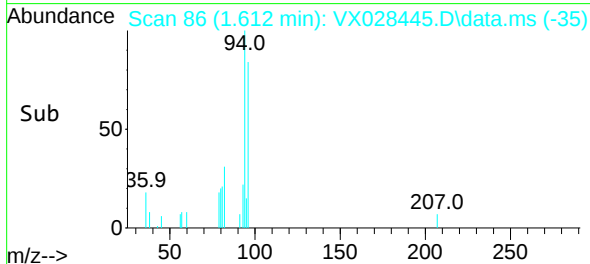
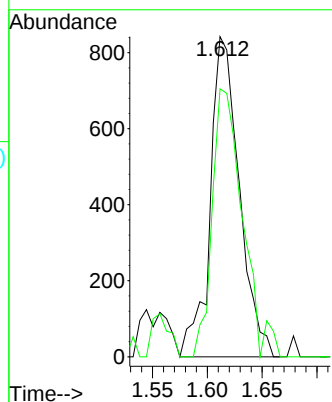
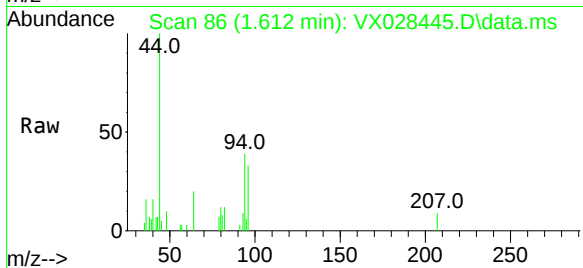




#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 80
Delta R.T. 0.013 min
Lab File: VX028445.D
Acq: 30 Apr 2022 00:20

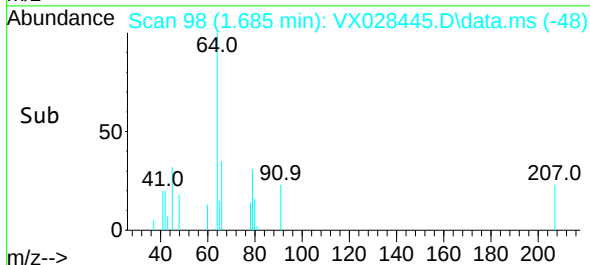
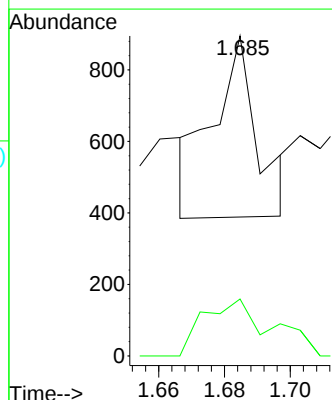
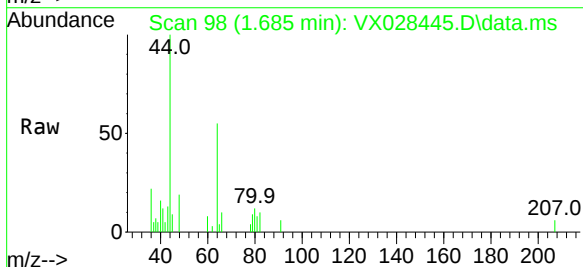
Instrument :
MSVOA_X
ClientSampleId :
PB144452TB

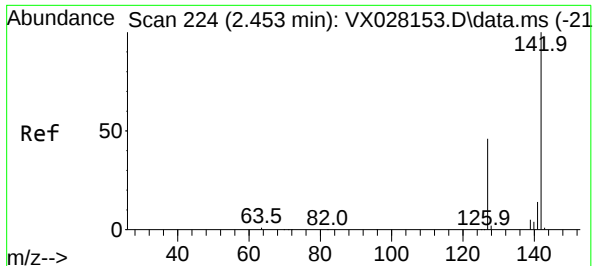
Tgt Ion: 94 Resp: 1555
Ion Ratio Lower Upper
94 100
96 83.7 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.685 min Scan# 98
Delta R.T. 0.007 min
Lab File: VX028445.D
Acq: 30 Apr 2022 00:20

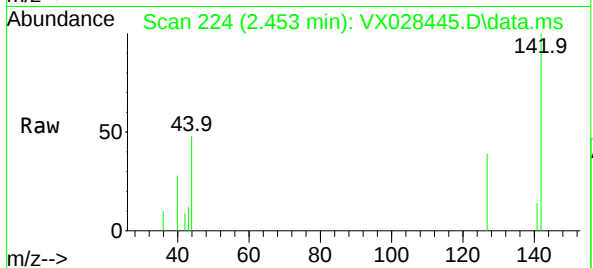
Tgt Ion: 64 Resp: 478
Ion Ratio Lower Upper
64 100
66 47.7 25.3 37.9#



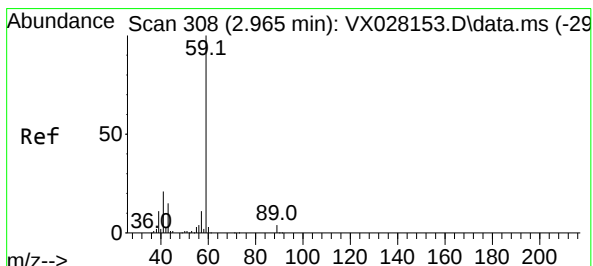
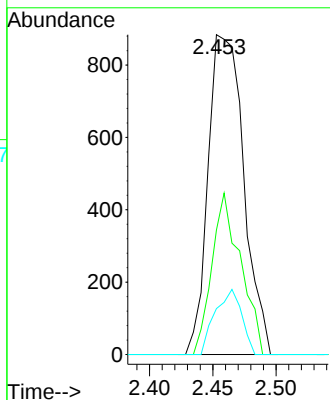
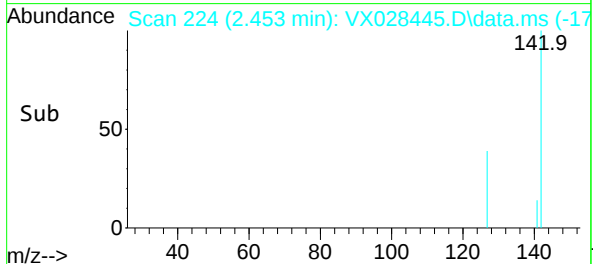


#10
Methyl Iodide
Concen: 5.596 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX028445.D
Acq: 30 Apr 2022 00:20

Instrument :
MSVOA_X
ClientSampleId :
PB144452TB

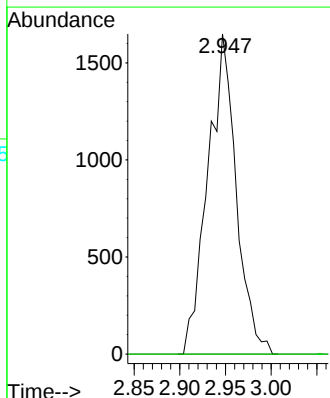
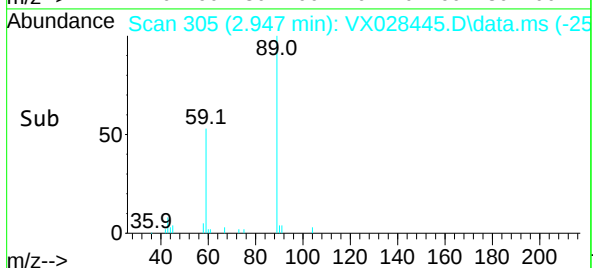
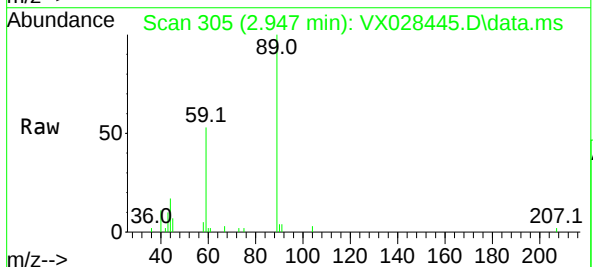


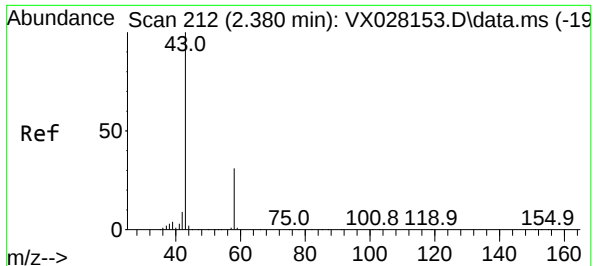
Tgt Ion:142 Resp: 1733
Ion Ratio Lower Upper
142 100
127 40.7 33.9 50.9
141 15.2 11.4 17.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX028445.D
Acq: 30 Apr 2022 00:20

Tgt Ion: 59 Resp: 3569
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

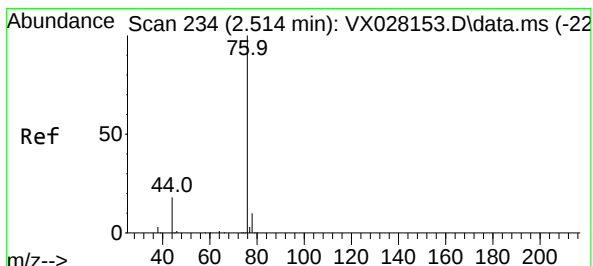
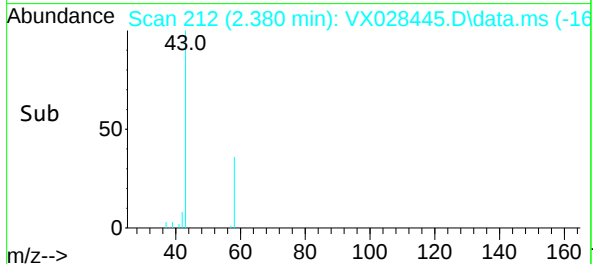
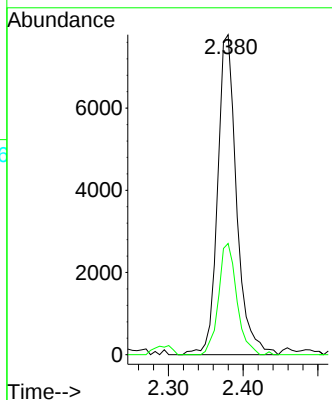
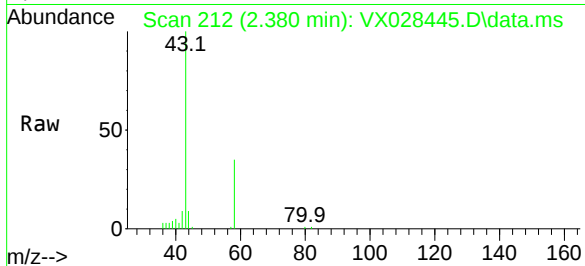




#16
Acetone
Concen: 7.545 ug/l
RT: 2.380 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX028445.D
Acq: 30 Apr 2022 00:20

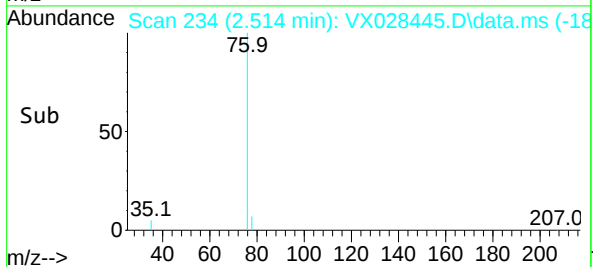
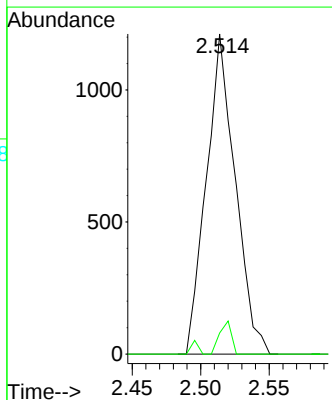
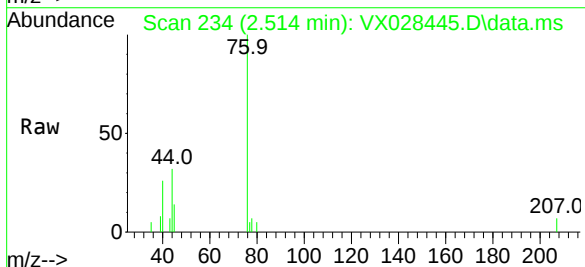
Instrument :
MSVOA_X
ClientSampleId :
PB144452TB

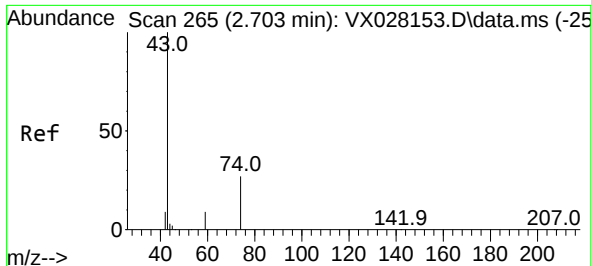
Tgt Ion: 43 Resp: 13732
Ion Ratio Lower Upper
43 100
58 34.8 28.8 43.2



#17
Carbon Disulfide
Concen: 0.222 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX028445.D
Acq: 30 Apr 2022 00:20

Tgt Ion: 76 Resp: 1781
Ion Ratio Lower Upper
76 100
78 6.6 7.2 10.8#

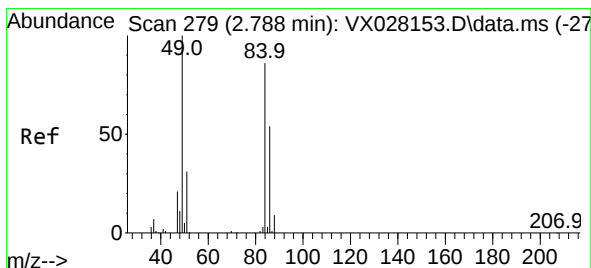
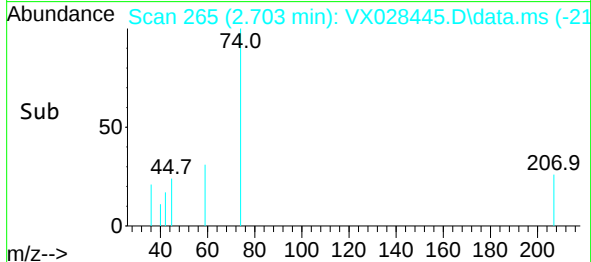
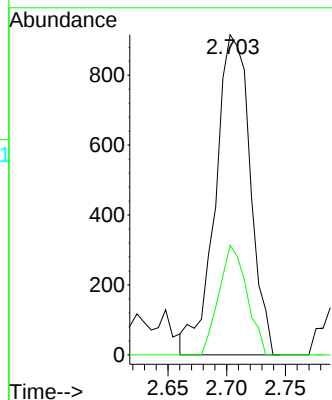
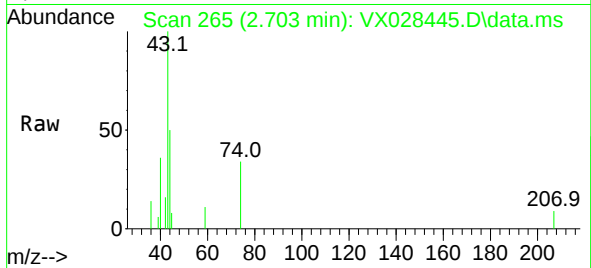




#18
Methyl Acetate
Concen: 0.420 ug/l
RT: 2.703 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX028445.D
Acq: 30 Apr 2022 00:20

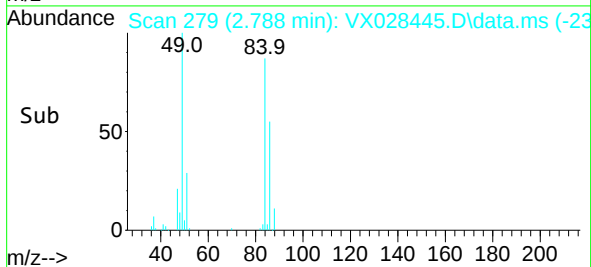
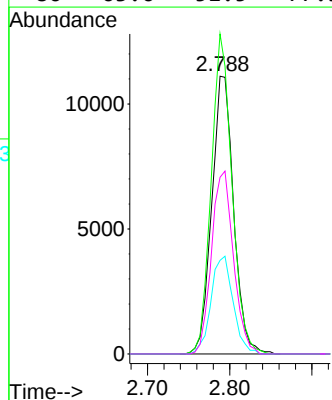
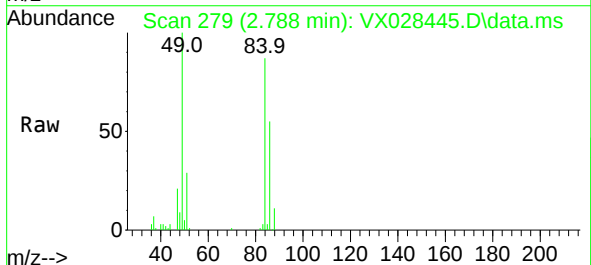
Instrument :
MSVOA_X
ClientSampleId :
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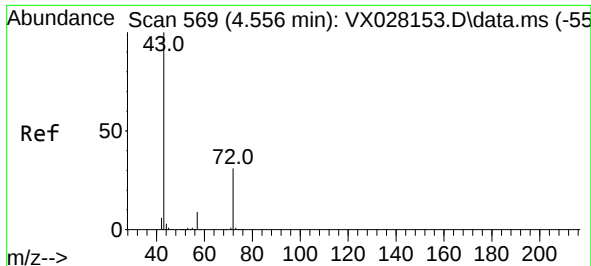
Tgt Ion: 43 Resp: 1887
Ion Ratio Lower Upper
43 100
74 27.5 22.8 34.2



#20
Methylene Chloride
Concen: 5.471 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028445.D
Acq: 30 Apr 2022 00:20

Tgt Ion: 84 Resp: 20510
Ion Ratio Lower Upper
84 100
49 115.2 85.5 128.3
51 33.7 26.6 39.8
86 63.6 51.5 77.3

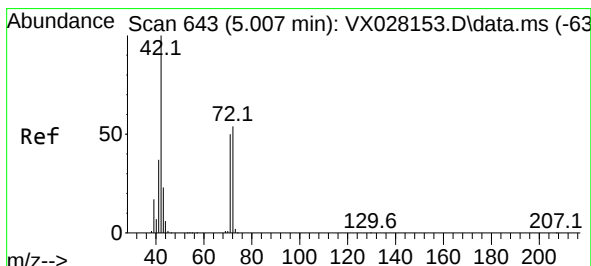
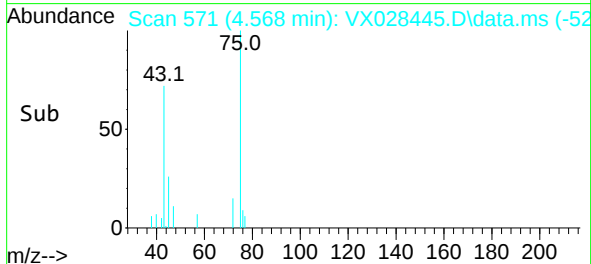
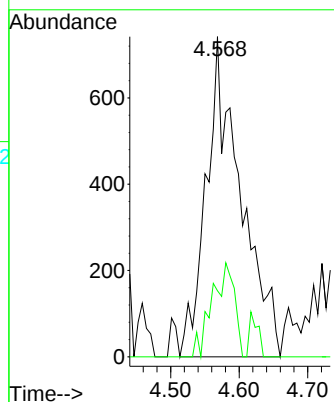
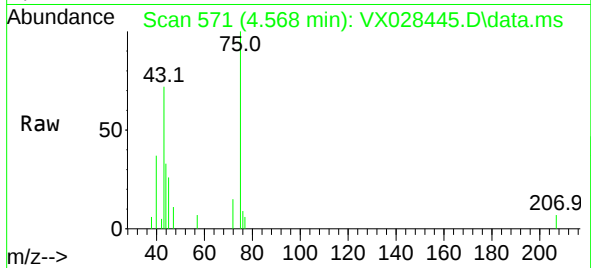




#25
2-Butanone
Concen: 0.868 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX028445.D
Acq: 30 Apr 2022 00:20

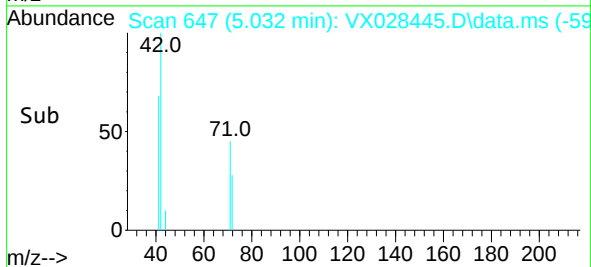
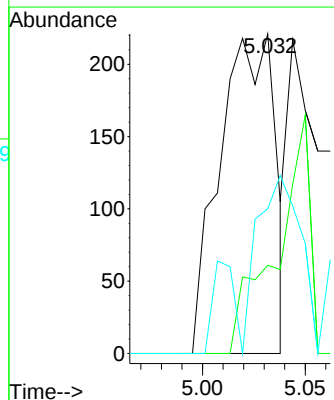
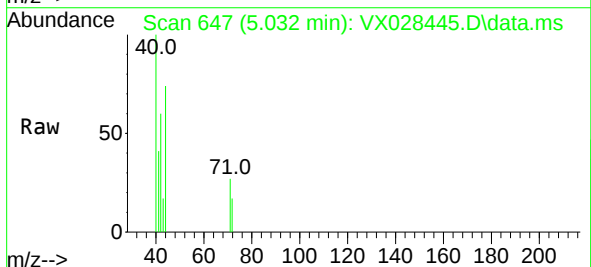
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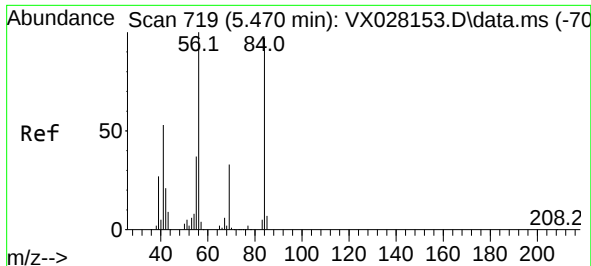
Tgt Ion: 43 Resp: 2596
Ion Ratio Lower Upper
43 100
72 20.6 24.4 36.6#



#29
Tetrahydrofuran
Concen: 0.212 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.025 min
Lab File: VX028445.D
Acq: 30 Apr 2022 00:20

Tgt Ion: 42 Resp: 414
Ion Ratio Lower Upper
42 100
72 44.7 44.1 66.1
71 49.5 40.5 60.7

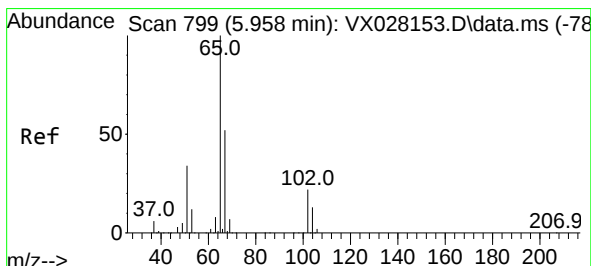
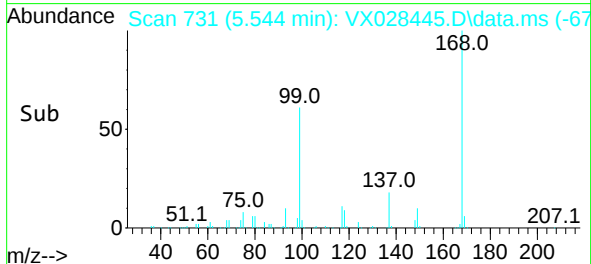
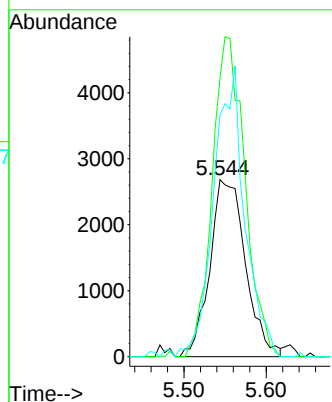
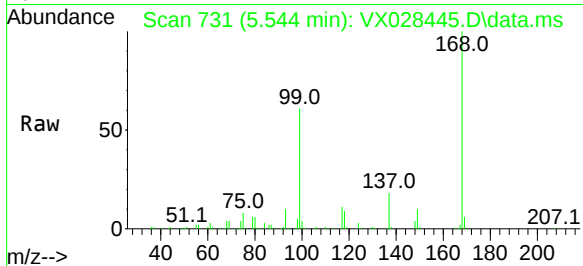




#31
Cyclohexane
Concen: 1.313 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.074 min
Lab File: VX028445.D
Acq: 30 Apr 2022 00:20

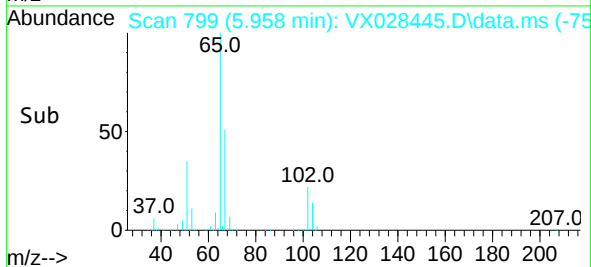
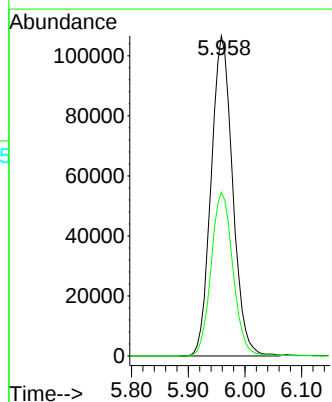
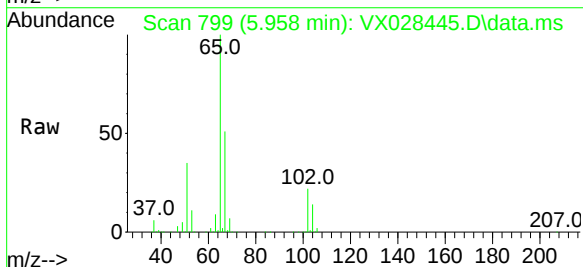
Instrument :
MSVOA_X
ClientSampleId :
PB144452TB

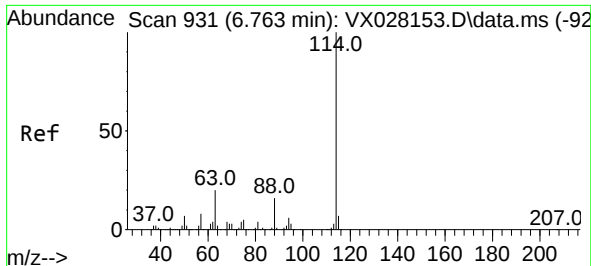
Tgt Ion: 56 Resp: 8082
Ion Ratio Lower Upper
56 100
69 157.4 26.7 40.1#
84 136.5 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 55.686 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028445.D
Acq: 30 Apr 2022 00:20

Tgt Ion: 65 Resp: 281354
Ion Ratio Lower Upper
65 100
67 51.8 0.0 107.4

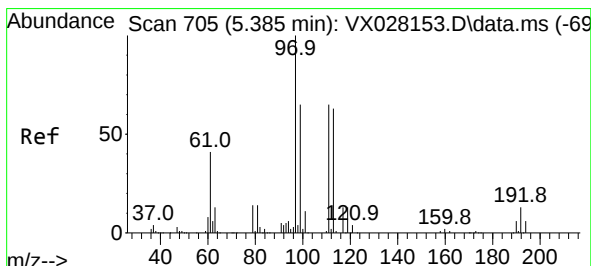
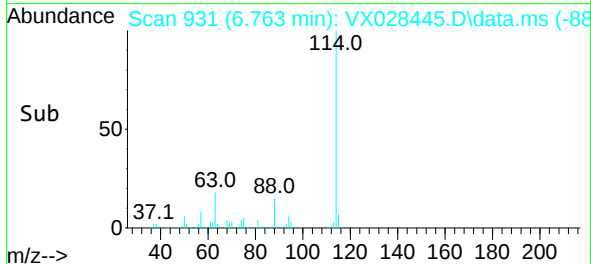
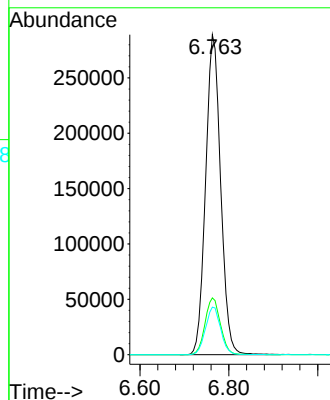
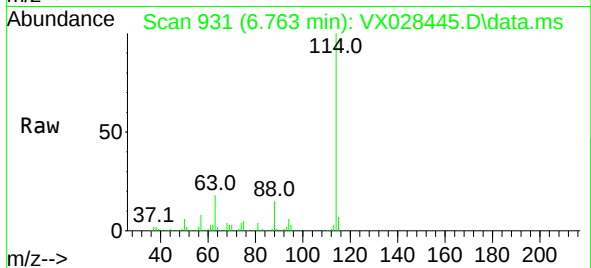




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX028445.D
Acq: 30 Apr 2022 00:20

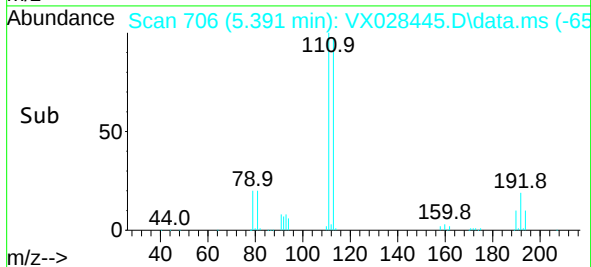
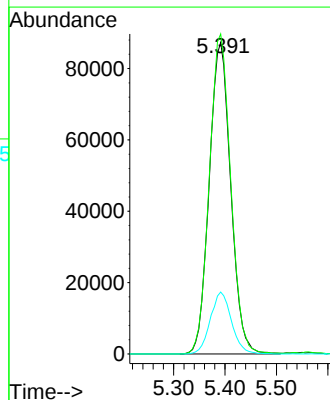
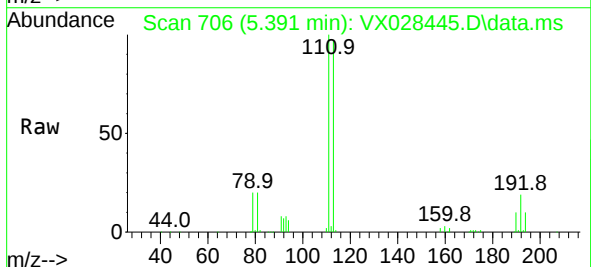
Instrument :
MSVOA_X
ClientSampleId :
PB144452TB

Tgt Ion:114 Resp: 681321
Ion Ratio Lower Upper
114 100
63 17.7 0.0 36.8
88 14.8 0.0 32.4



#35
Dibromofluoromethane
Concen: 53.052 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028445.D
Acq: 30 Apr 2022 00:20

Tgt Ion:113 Resp: 253483
Ion Ratio Lower Upper
113 100
111 102.3 82.8 124.2
192 19.6 16.9 25.3

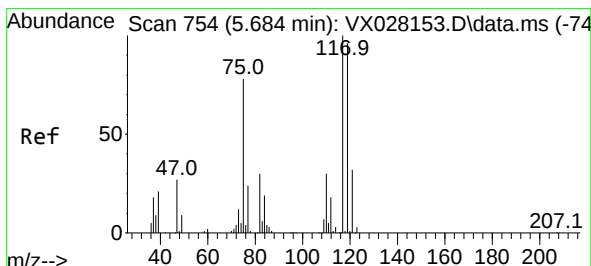
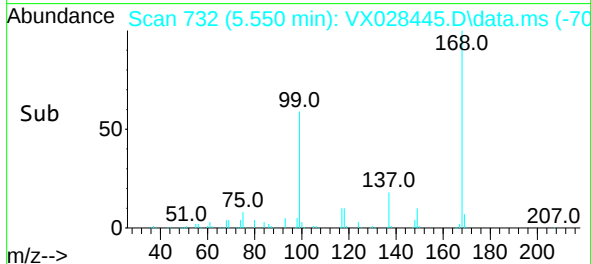
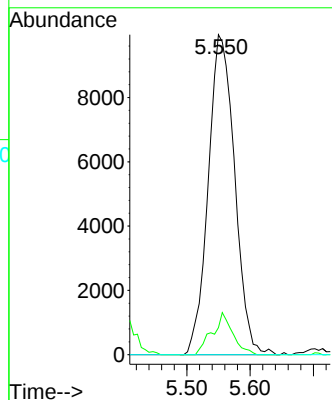
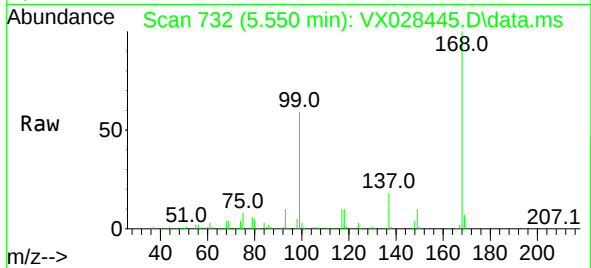




#36
1,1-Dichloropropene
Concen: 4.633 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX028445.D
Acq: 30 Apr 2022 00:20

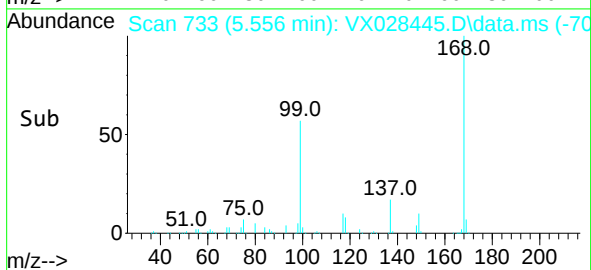
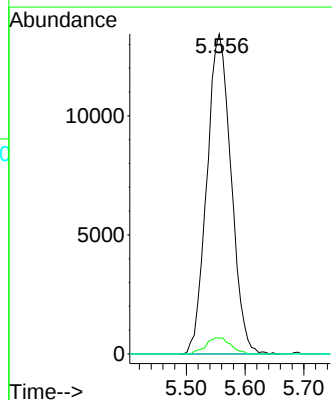
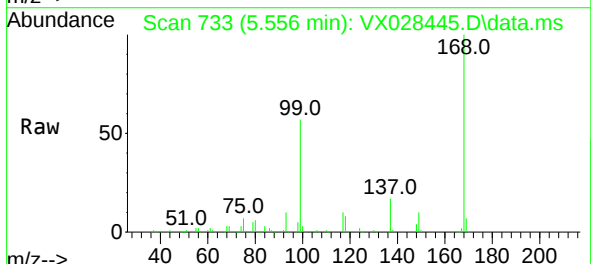
Instrument :
MSVOA_X
ClientSampleId :
PB144452TB

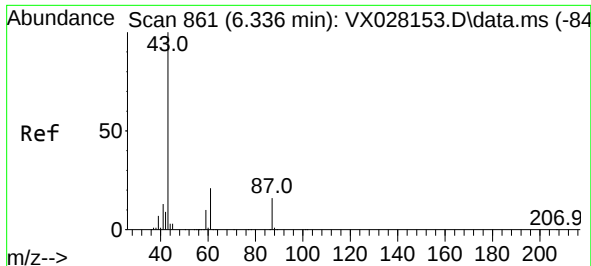
Tgt Ion: 75 Resp: 28873
Ion Ratio Lower Upper
75 100
110 10.2 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.475 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX028445.D
Acq: 30 Apr 2022 00:20

Tgt Ion: 117 Resp: 38519
Ion Ratio Lower Upper
117 100
119 5.0 77.3 115.9#
121 0.0 24.2 36.2#

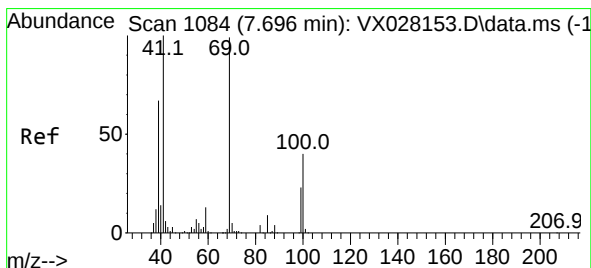
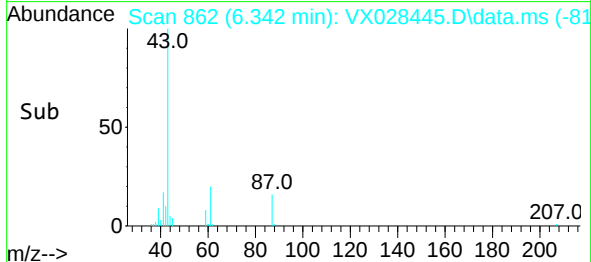
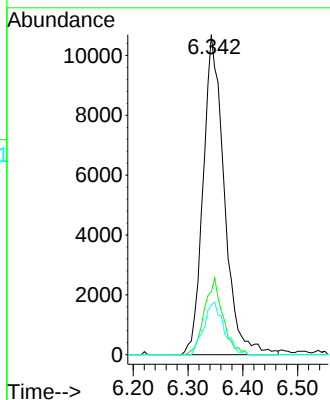
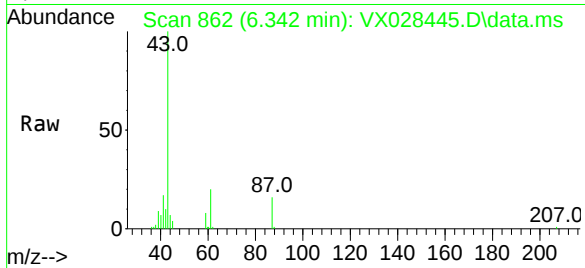




#43
Isopropyl Acetate
Concen: 2.780 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX028445.D
Acq: 30 Apr 2022 00:20

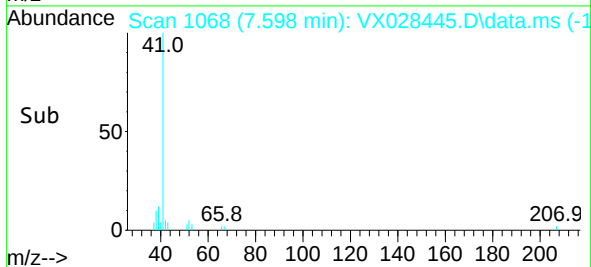
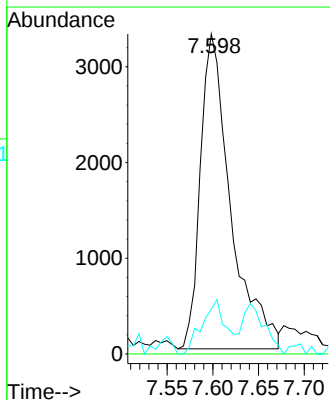
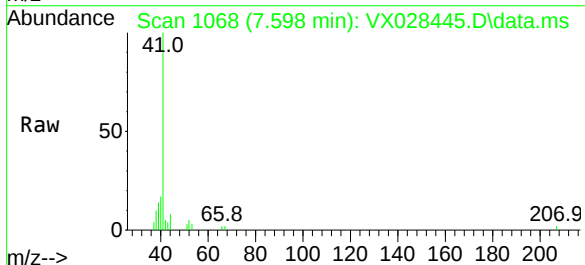
Instrument :
MSVOA_X
ClientSampleId :
PB144452TB

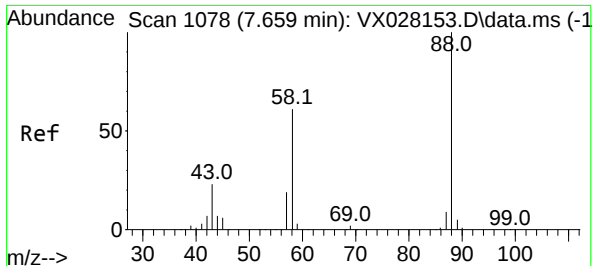
Tgt Ion: 43 Resp: 28613
Ion Ratio Lower Upper
43 100
61 20.8 18.5 27.7
87 15.6 13.0 19.6



#48
Methyl methacrylate
Concen: 1.605 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX028445.D
Acq: 30 Apr 2022 00:20

Tgt Ion: 41 Resp: 7584
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: 0.403 ug/l

RT: 7.684 min Scan# 1082

Delta R.T. 0.025 min

Lab File: VX028445.D

Acq: 30 Apr 2022 00:20

Instrument :

MSVOA_X

ClientSampleId :

PB144452TB

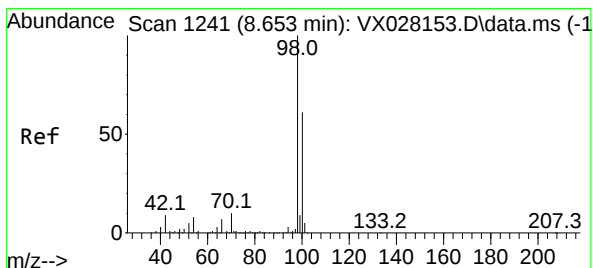
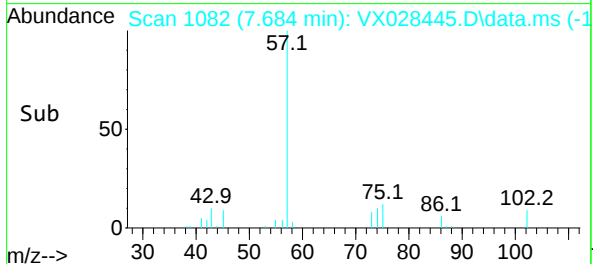
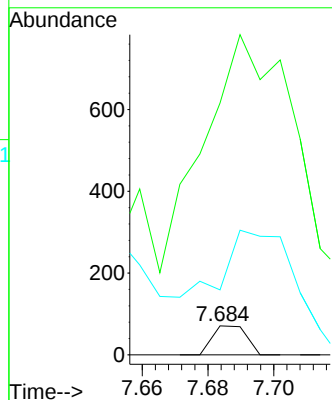
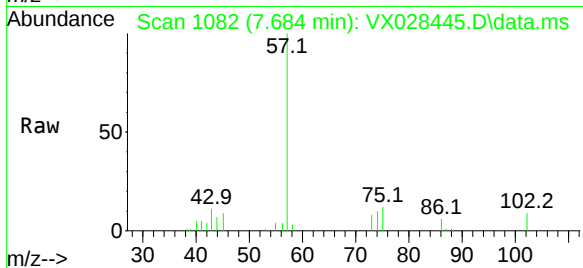
Tgt Ion: 88 Resp: 51

Ion Ratio Lower Upper

88 100

43 0.0 21.9 32.9#

58 1031.4 53.7 80.5#



#50

Toluene-d8

Concen: 52.851 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028445.D

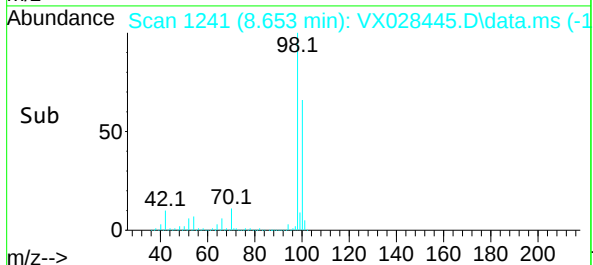
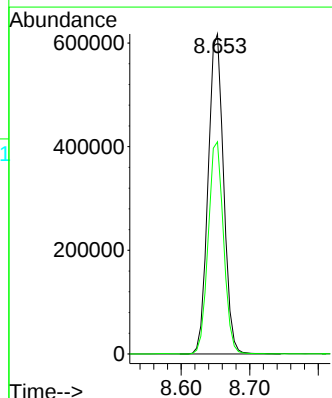
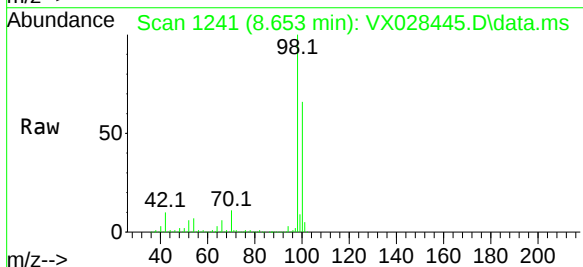
Acq: 30 Apr 2022 00:20

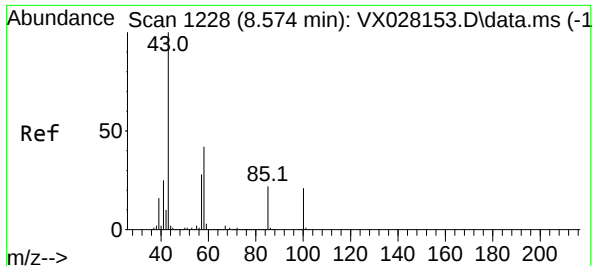
Tgt Ion: 98 Resp: 969903

Ion Ratio Lower Upper

98 100

100 65.8 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 16.074 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX028445.D

Acq: 30 Apr 2022 00:20

Instrument :

MSVOA_X

ClientSampleId :

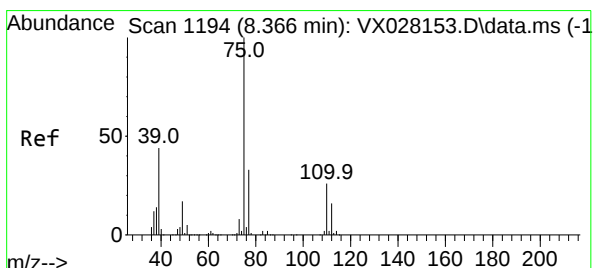
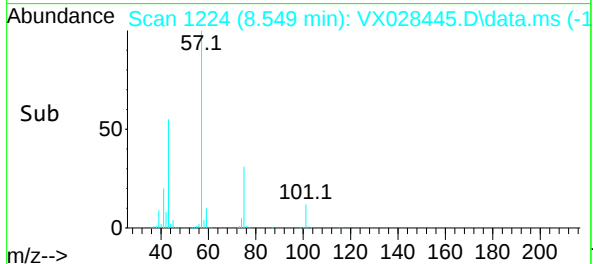
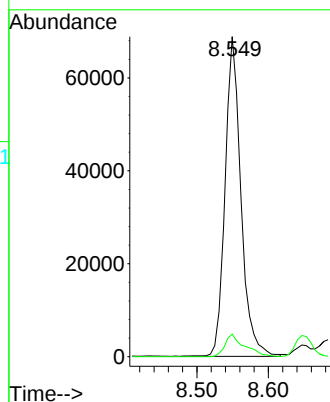
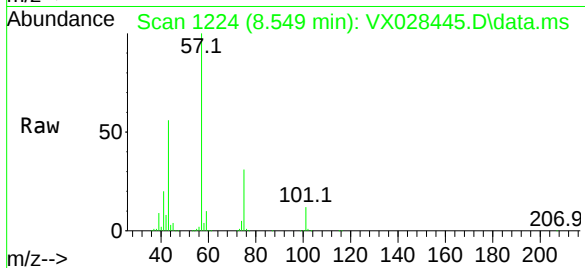
PB144452TB

Tgt Ion: 43 Resp: 106166

Ion Ratio Lower Upper

43 100

58 8.7 36.1 54.1#



#54

cis-1,3-Dichloropropene

Concen: 7.348 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX028445.D

Acq: 30 Apr 2022 00:20

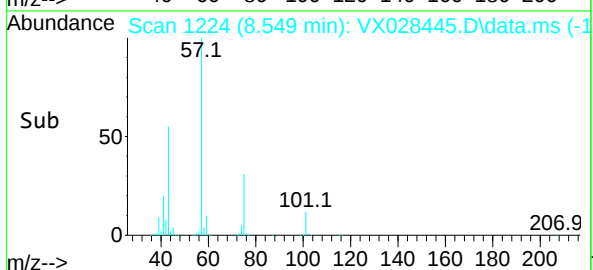
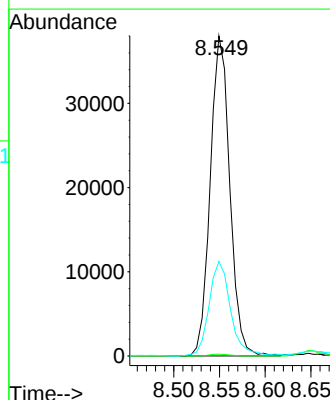
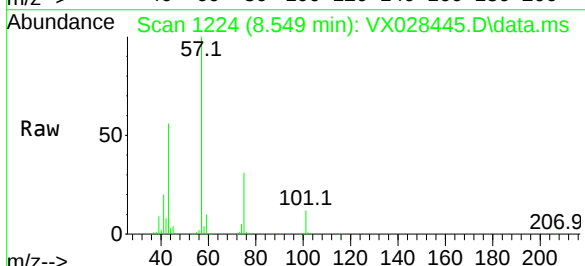
Tgt Ion: 75 Resp: 56457

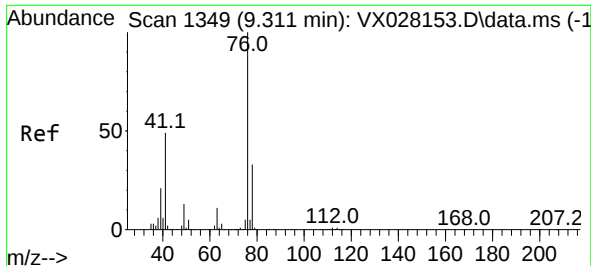
Ion Ratio Lower Upper

75 100

77 0.6 24.8 37.2#

39 29.5 29.6 44.4#





#57

1,3-Dichloropropane

Concen: 4.625 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX028445.D

Acq: 30 Apr 2022 00:20

Instrument :

MSVOA_X

ClientSampleId :

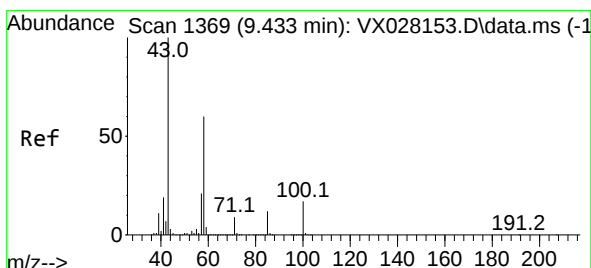
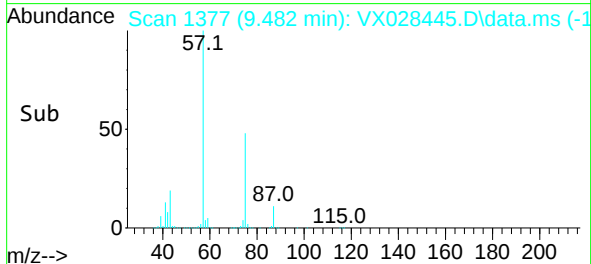
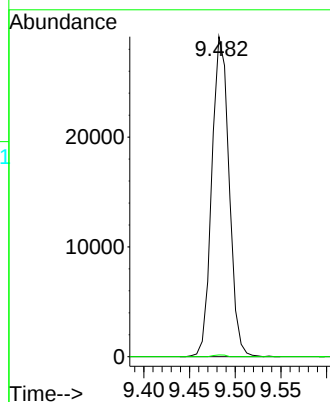
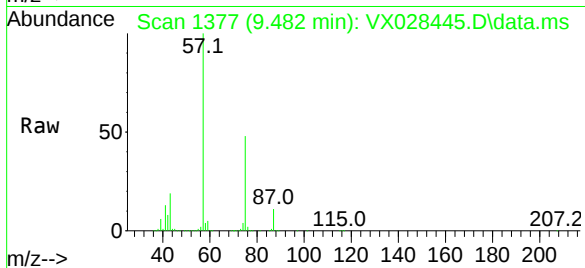
PB144452TB

Tgt Ion: 76 Resp: 38442

Ion Ratio Lower Upper

76 100

78 0.4 25.8 38.8#



#59

2-Hexanone

Concen: 83.219 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028445.D

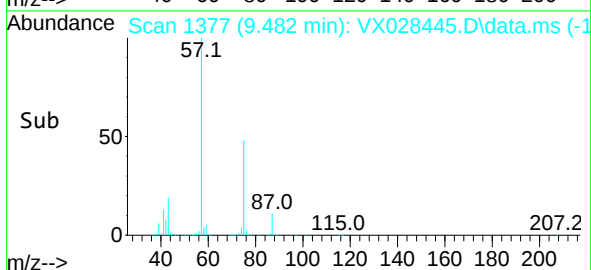
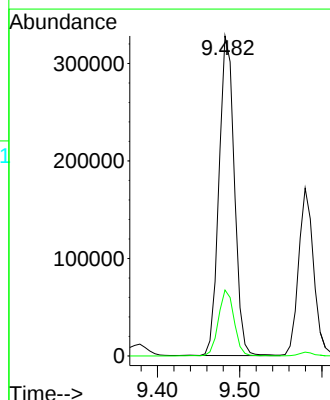
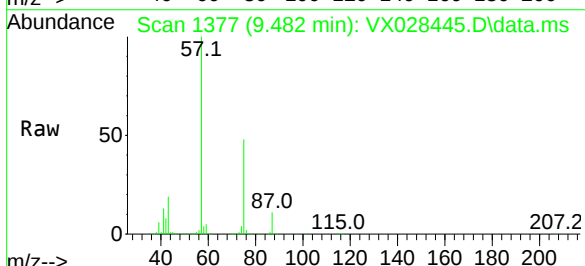
Acq: 30 Apr 2022 00:20

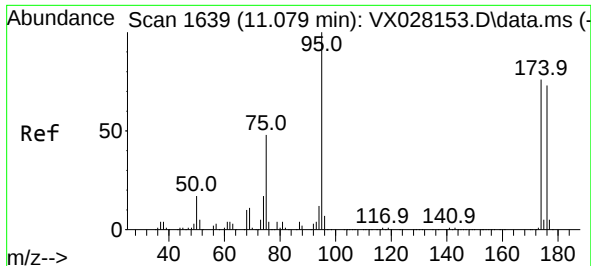
Tgt Ion: 43 Resp: 425763

Ion Ratio Lower Upper

43 100

58 21.1 31.9 95.7#





#62

4-Bromofluorobenzene

Concen: 51.446 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX028445.D

Acq: 30 Apr 2022 00:20

Instrument :

MSVOA_X

ClientSampleId :

PB144452TB

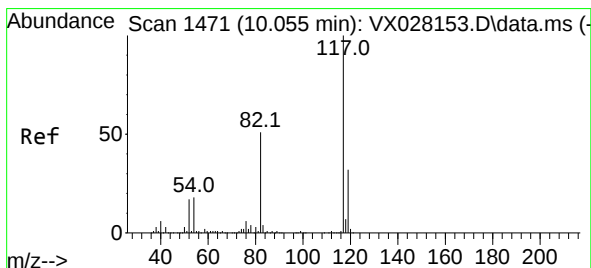
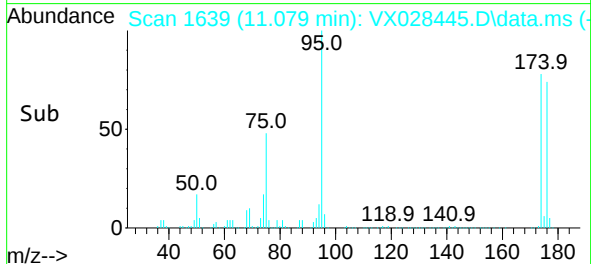
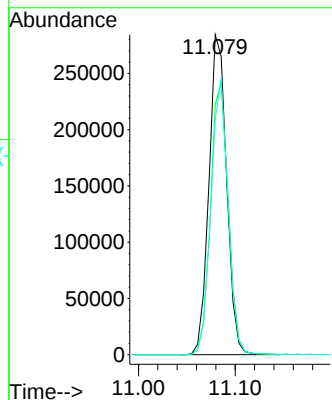
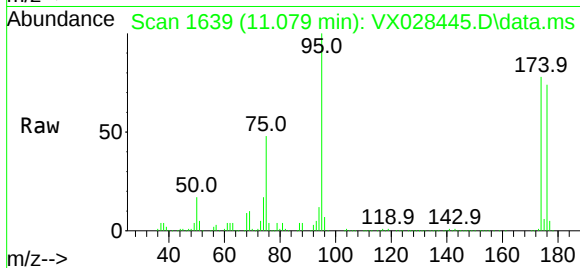
Tgt Ion: 95 Resp: 360990

Ion Ratio Lower Upper

95 100

174 85.3 0.0 163.0

176 83.8 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: VX028445.D

Acq: 30 Apr 2022 00:20

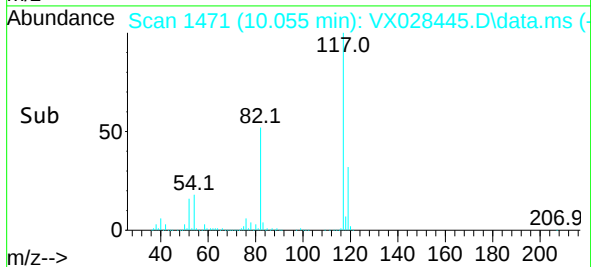
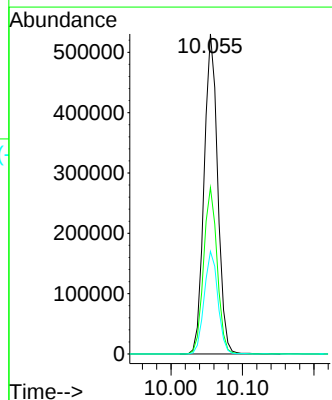
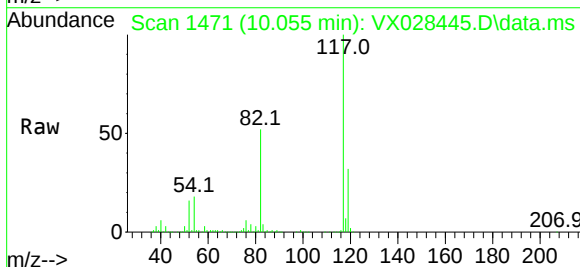
Tgt Ion: 117 Resp: 700190

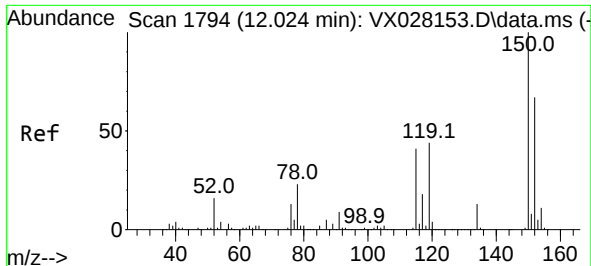
Ion Ratio Lower Upper

117 100

82 52.0 41.8 62.8

119 32.0 24.8 37.2

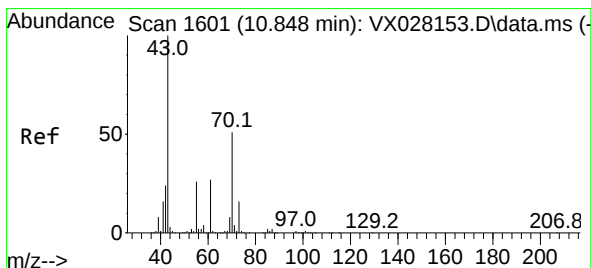
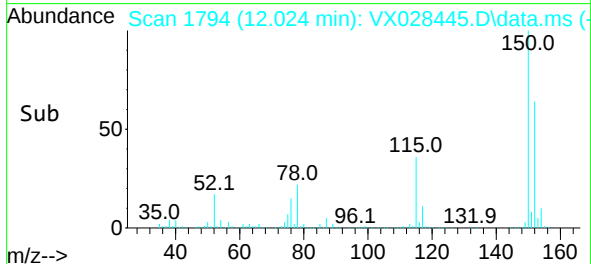
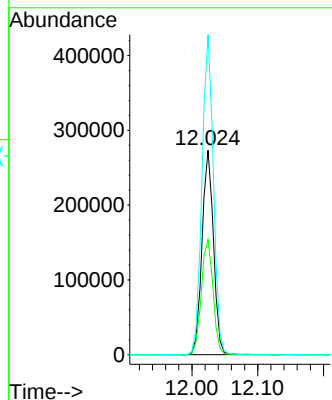
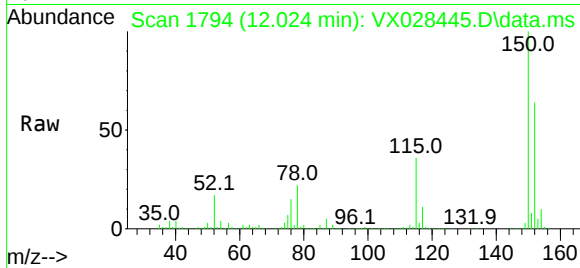




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028445.D
Acq: 30 Apr 2022 00:20

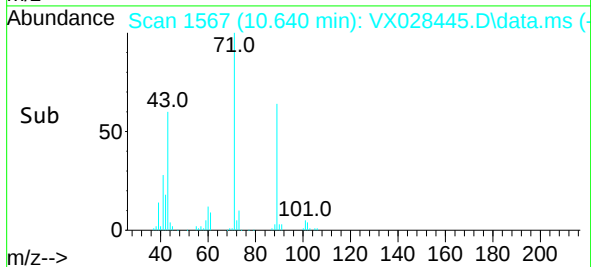
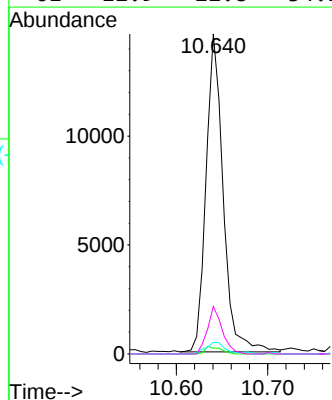
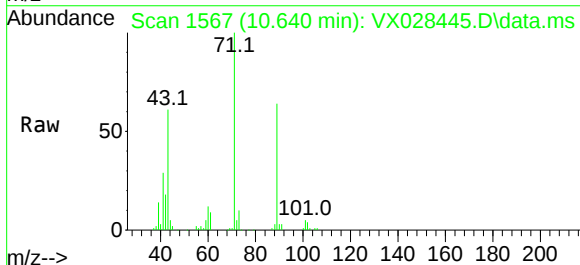
Instrument :
MSVOA_X
ClientSampleId :
PB144452TB

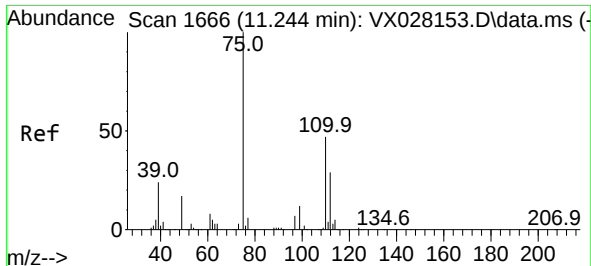
Tgt Ion:152 Resp: 329306
Ion Ratio Lower Upper
152 100
115 57.7 37.5 112.7
150 156.6 0.0 338.2



#74
N-ethyl acetate
Concen: 2.430 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.208 min
Lab File: VX028445.D
Acq: 30 Apr 2022 00:20

Tgt Ion: 43 Resp: 19014
Ion Ratio Lower Upper
43 100
70 2.2 42.5 63.7#
55 4.5 23.1 34.7#
61 12.9 22.8 34.2#

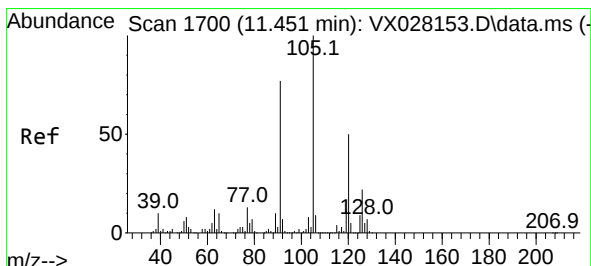
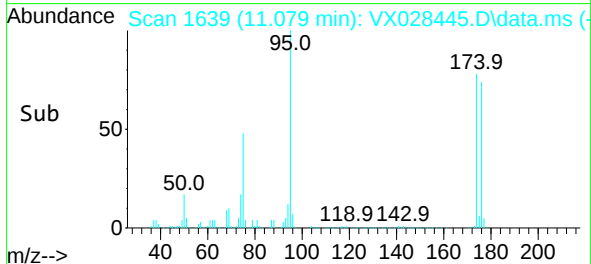
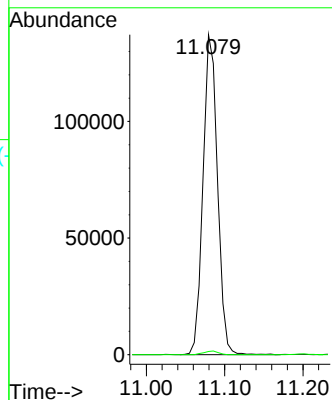
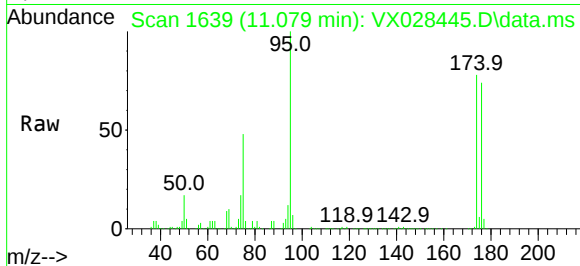




#76
1,2,3-Trichloropropane
Concen: 27.108 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.165 min
Lab File: VX028445.D
Acq: 30 Apr 2022 00:20

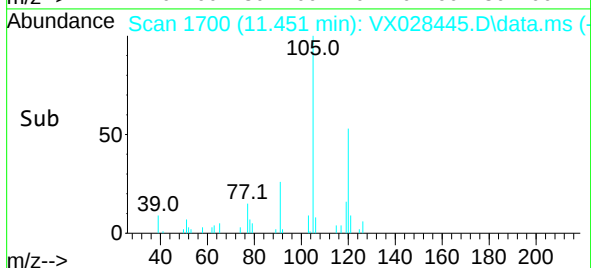
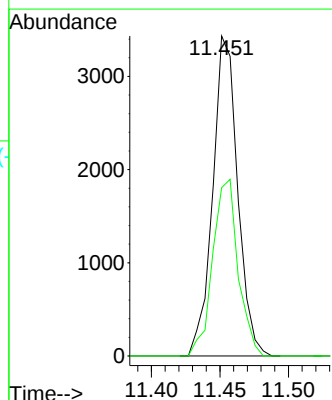
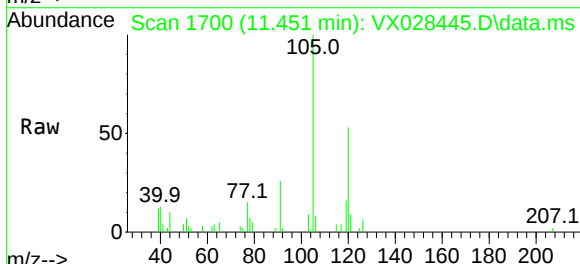
Instrument :
MSVOA_X
ClientSampleId :
PB144452TB

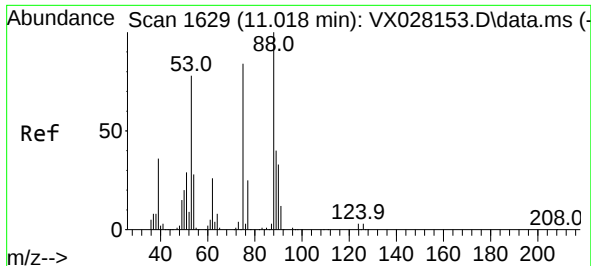
Tgt Ion: 75 Resp: 175687
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#80
1,3,5-Trimethylbenzene
Concen: 0.226 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX028445.D
Acq: 30 Apr 2022 00:20

Tgt Ion: 105 Resp: 4340
Ion Ratio Lower Upper
105 100
120 56.2 24.3 72.9

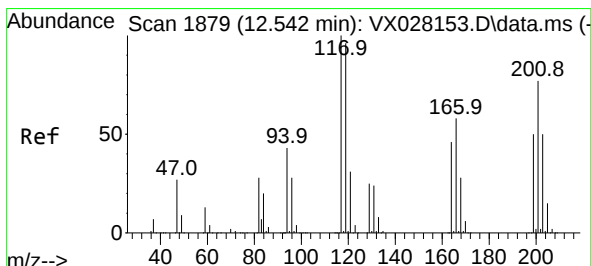
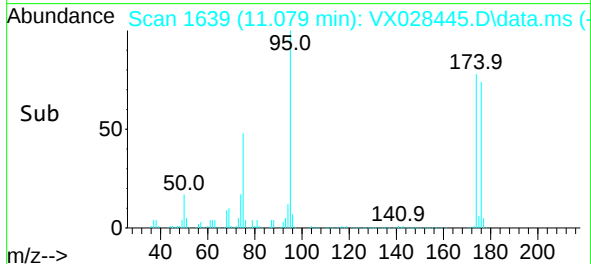
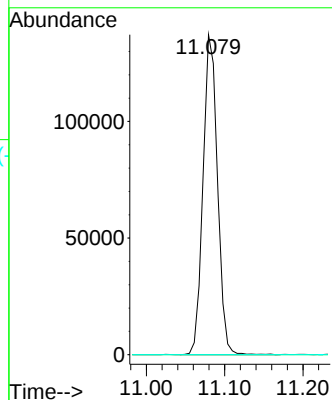
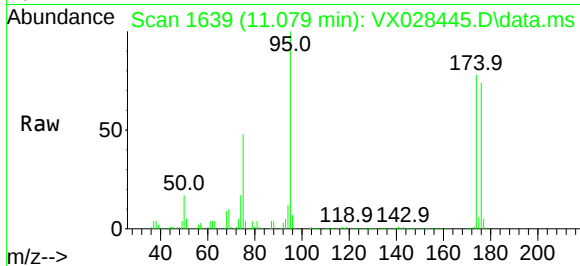




#81
trans-1,4-Dichloro-2-butene
Concen: 80.558 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028445.D
Acq: 30 Apr 2022 00:20

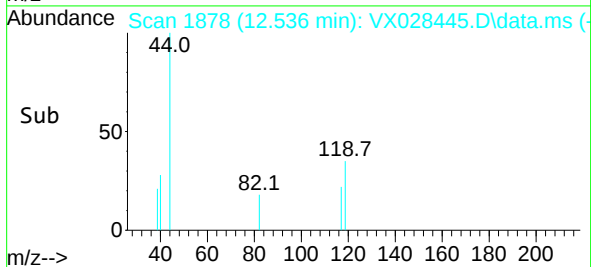
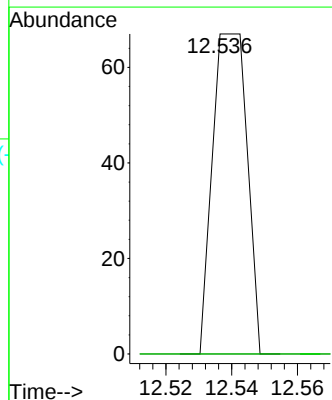
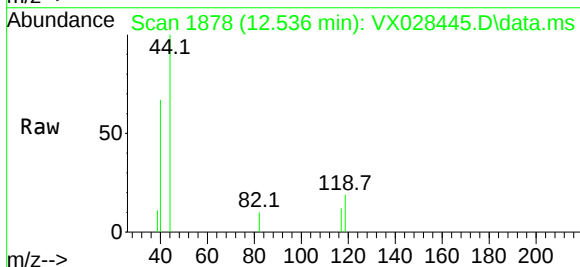
Instrument :
MSVOA_X
ClientSampleId :
PB144452TB

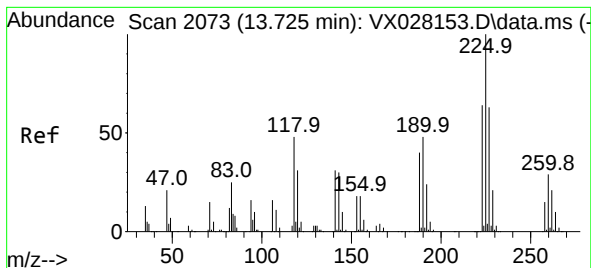
Tgt Ion: 75 Resp: 175687
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#90
Hexachloroethane
Concen: 1.827 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.006 min
Lab File: VX028445.D
Acq: 30 Apr 2022 00:20

Tgt Ion: 117 Resp: 49
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#





#94

Hexachlorobutadiene

Concen: 0.324 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX028445.D

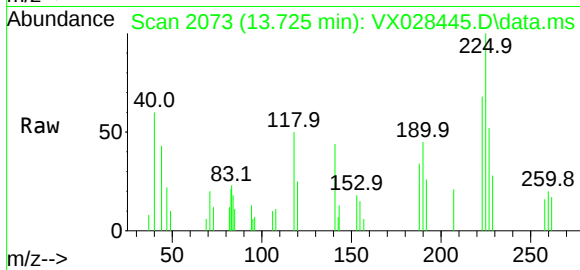
Acq: 30 Apr 2022 00:20

Instrument :

MSVOA_X

ClientSampleId :

PB144452TB



Tgt Ion:225 Resp: 946

Ion Ratio Lower Upper

225 100

223 63.1 34.2 102.5

227 58.8 33.9 101.7

