

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020322\
 Data File : VX026757.D
 Acq On : 03 Feb 2022 14:52
 Operator : JC/MD
 Sample : PB142440TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB142440TB

Quant Time: Feb 04 02:33:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 11 14:45:13 2022
 Response via : Initial Calibration

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

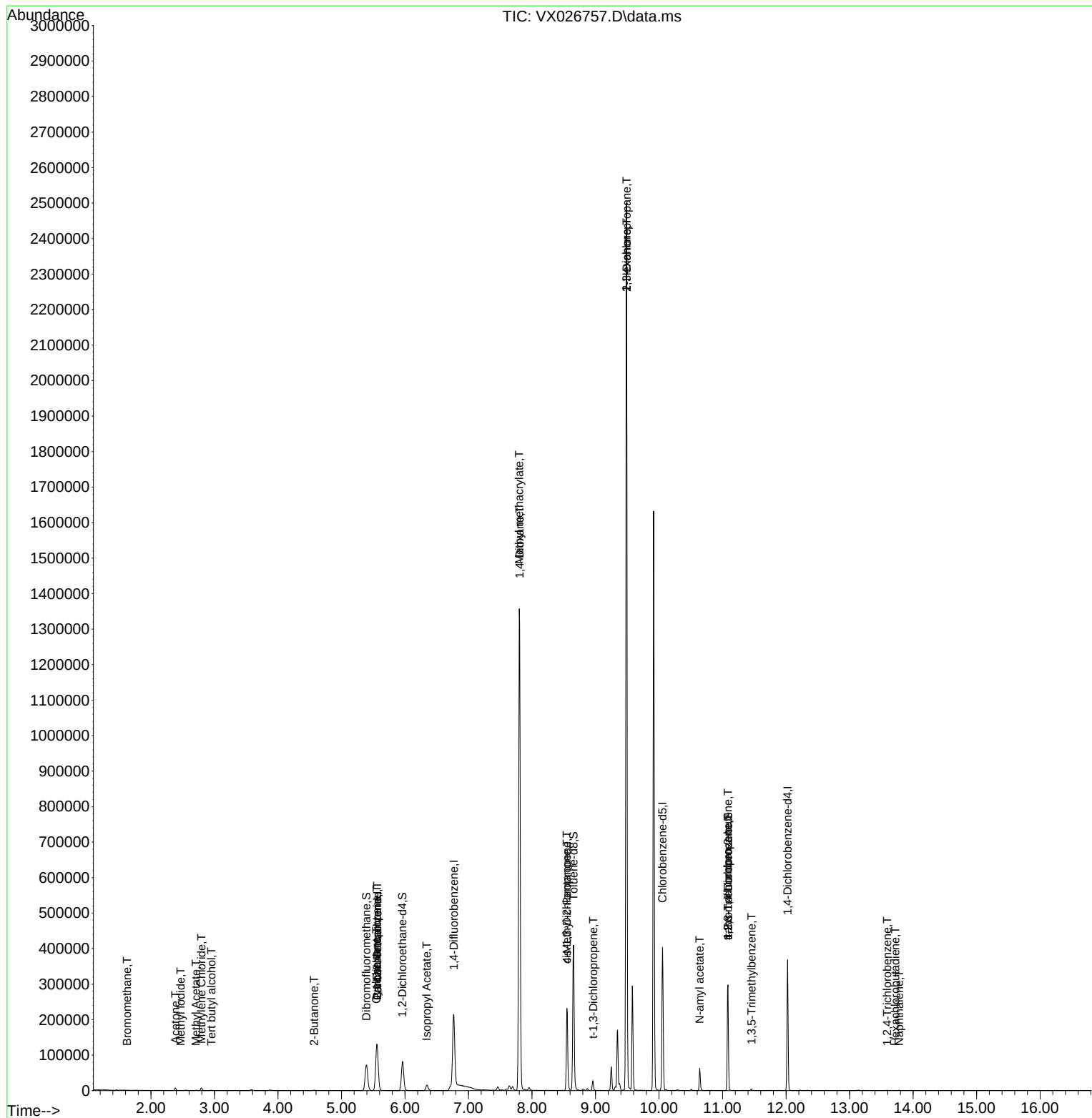
Internal Standards						
1) Pentafluorobenzene	5.562	168	124566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	210063	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	180172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74770	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	77710	44.659	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.320%		
35) Dibromofluoromethane	5.391	113	64883	47.830	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.660%		
50) Toluene-d8	8.652	98	242069	49.520	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.040%		
62) 4-Bromofluorobenzene	11.085	95	83241	47.936	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.880%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.623	94	176	0.269	ug/l	90
10) Methyl Iodide	2.465	142	499	4.755	ug/l #	81
11) Tert butyl alcohol	2.952	59	632	2.611	ug/l #	75
16) Acetone	2.385	43	8575	9.663	ug/l	92
18) Methyl Acetate	2.708	43	1251	0.709	ug/l	95
20) Methylene Chloride	2.794	84	3254	2.219	ug/l	97
25) 2-Butanone	4.568	43	1756	1.522	ug/l #	86
31) Cyclohexane	5.549	56	2305	0.898	ug/l #	1
36) 1,1-Dichloropropene	5.555	75	9355	4.369	ug/l #	50
38) Carbon Tetrachloride	5.562	117	12734	5.781	ug/l #	16
43) Isopropyl Acetate	6.342	43	21625	6.180	ug/l	99
48) Methyl methacrylate	7.799	41	115951	66.863	ug/l #	45
49) 1,4-Dioxane	7.805	88	166	5.833	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	79537	38.321	ug/l #	50
53) t-1,3-Dichloropropene	8.963	75	19	1.887	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	37612	16.641	ug/l #	55
57) 1,3-Dichloropropane	9.488	76	22399	9.121	ug/l #	43
59) 2-Hexanone	9.488	43	300035	188.873	ug/l #	51
74) N-amyl acetate	10.640	43	15179	6.415	ug/l #	53
76) 1,2,3-Trichloropropane	11.085	75	41066	24.945	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.457	105	2064	0.408	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.085	75	41066	75.833	ug/l #	3
93) 1,2,4-Trichlorobenzene	13.591	180	331	0.208	ug/l #	90
94) Hexachlorobutadiene	13.719	225	145	0.215	ug/l #	64
95) Naphthalene	13.780	128	1115	0.210	ug/l #	93

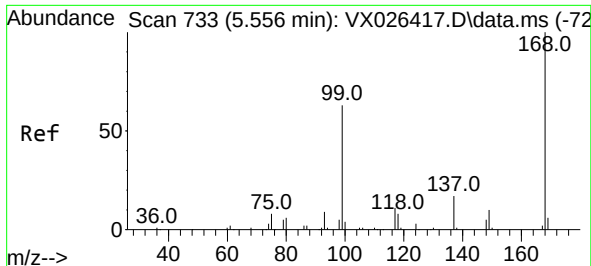
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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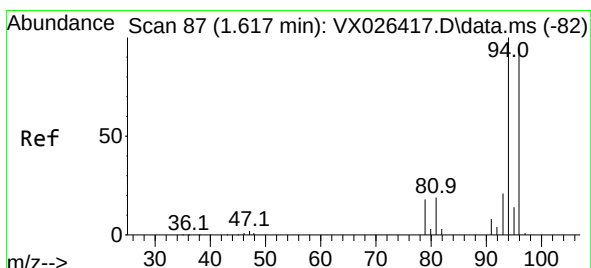
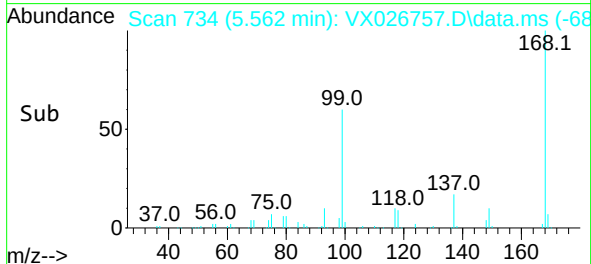
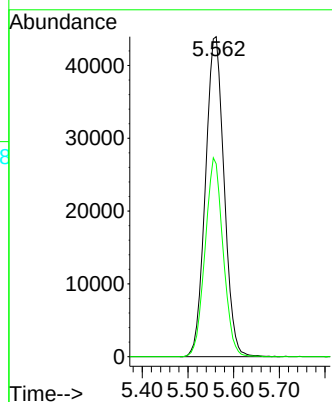
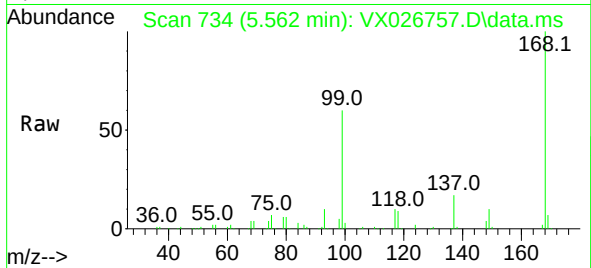




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026757.D
Acq: 03 Feb 2022 14:52

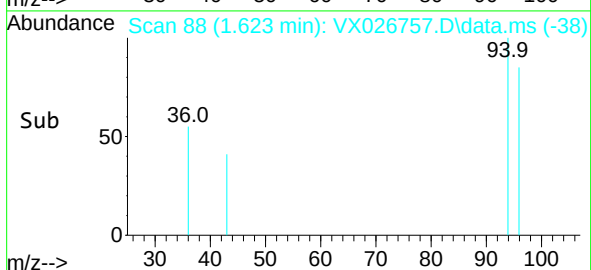
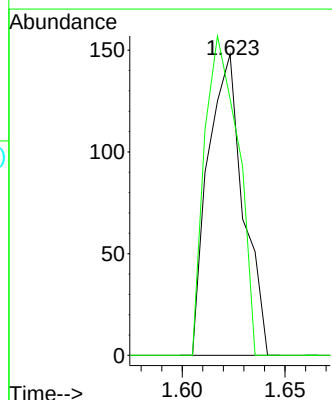
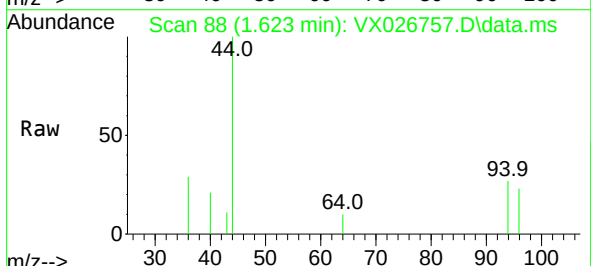
Instrument :
MSVOA_X
ClientSampleId :
PB142440TB

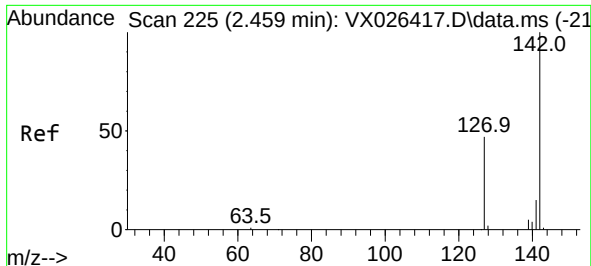
Tgt Ion:168 Resp: 124566
Ion Ratio Lower Upper
168 100
99 60.3 50.3 75.5



#5
Bromomethane
Concen: 0.269 ug/l
RT: 1.623 min Scan# 88
Delta R.T. 0.006 min
Lab File: VX026757.D
Acq: 03 Feb 2022 14:52

Tgt Ion: 94 Resp: 176
Ion Ratio Lower Upper
94 100
96 85.1 75.9 113.9

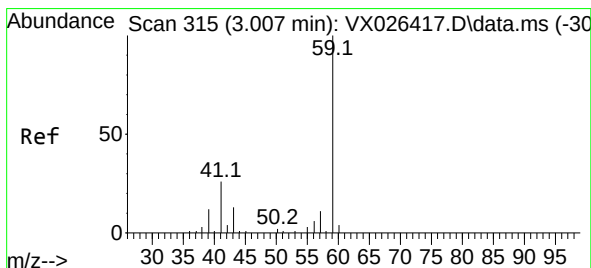
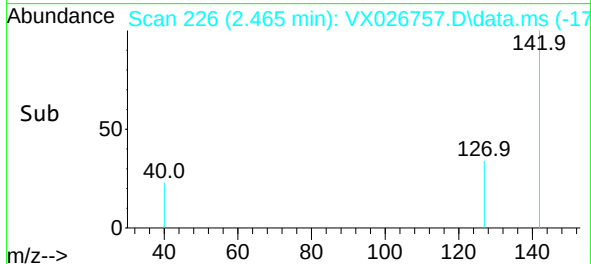
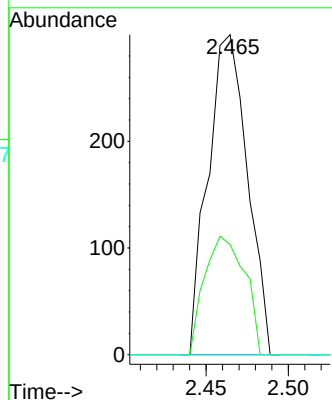
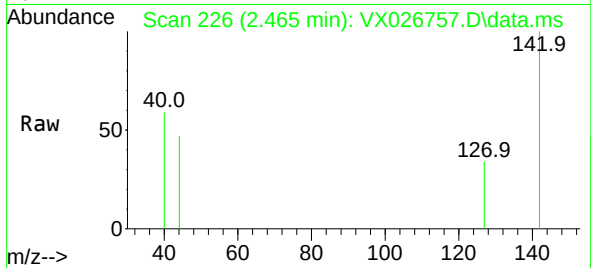




#10
Methyl Iodide
Concen: 4.755 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX026757.D
Acq: 03 Feb 2022 14:52

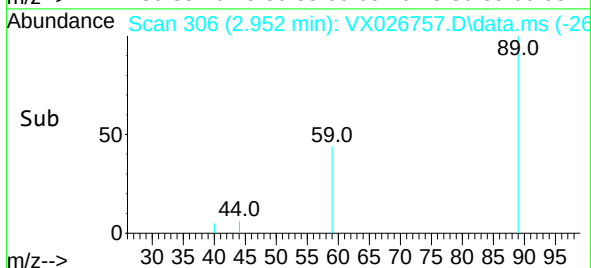
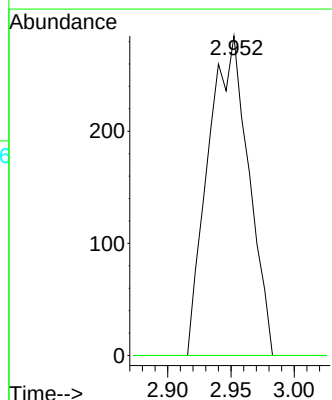
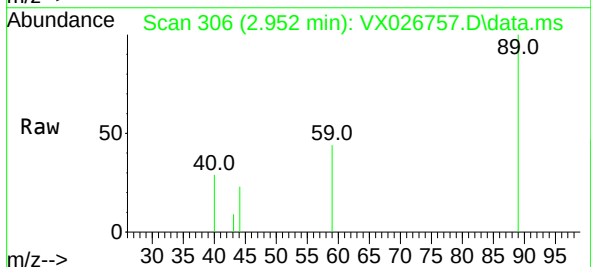
Instrument :
MSVOA_X
ClientSampleId :
PB142440TB

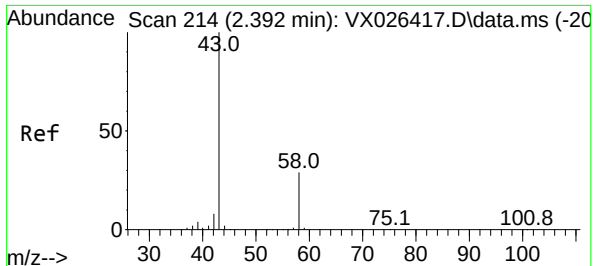
Tgt Ion:142 Resp: 499
Ion Ratio Lower Upper
142 100
127 37.9 38.1 57.1#
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 2.611 ug/l
RT: 2.952 min Scan# 306
Delta R.T. -0.055 min
Lab File: VX026757.D
Acq: 03 Feb 2022 14:52

Tgt Ion: 59 Resp: 632
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#

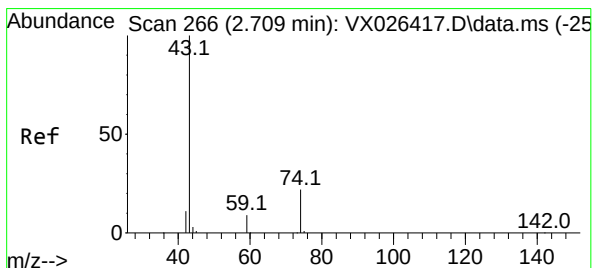
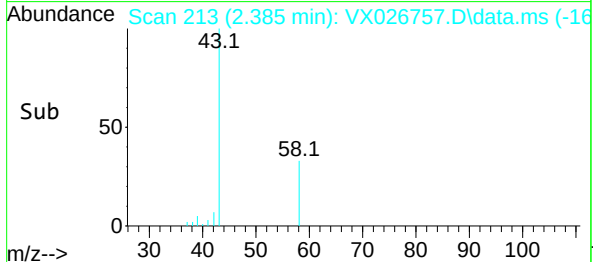
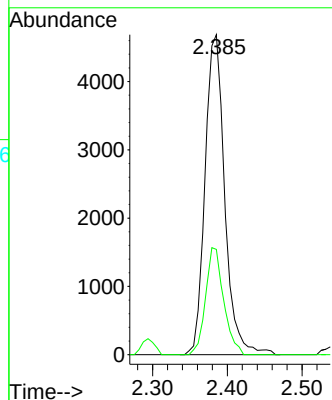
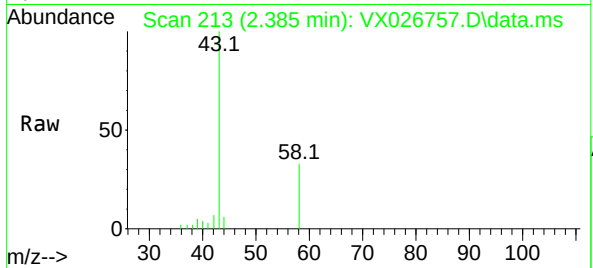




#16
Acetone
Concen: 9.663 ug/l
RT: 2.385 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX026757.D
Acq: 03 Feb 2022 14:52

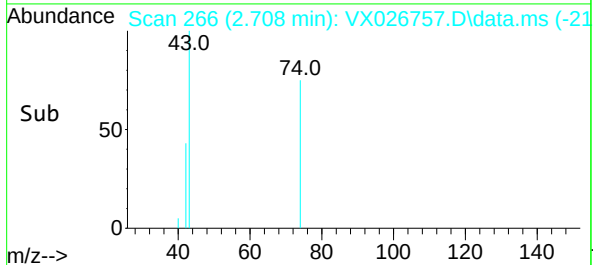
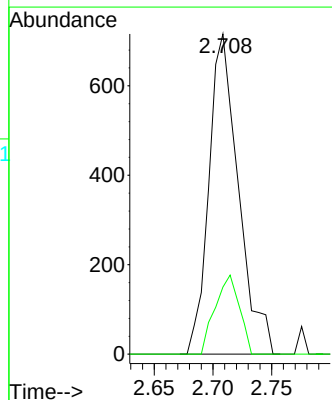
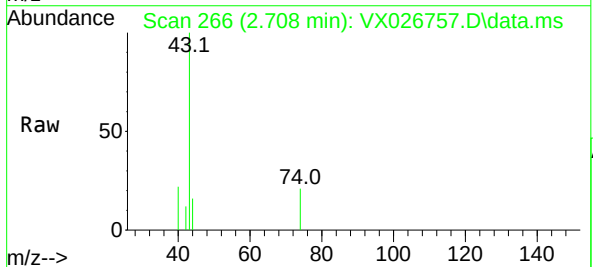
Instrument :
MSVOA_X
ClientSampleId :
PB142440TB

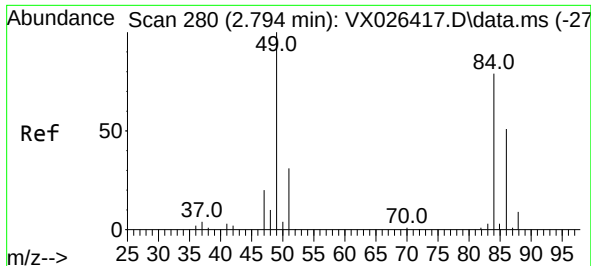
Tgt Ion: 43 Resp: 8575
Ion Ratio Lower Upper
43 100
58 32.9 23.0 34.6



#18
Methyl Acetate
Concen: 0.709 ug/l
RT: 2.708 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX026757.D
Acq: 03 Feb 2022 14:52

Tgt Ion: 43 Resp: 1251
Ion Ratio Lower Upper
43 100
74 20.3 18.3 27.5





#20

Methylene Chloride

Concen: 2.219 ug/l

RT: 2.794 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX026757.D

Acq: 03 Feb 2022 14:52

Instrument :

MSVOA_X

ClientSampleId :

PB142440TB

Tgt Ion: 84 Resp: 3254

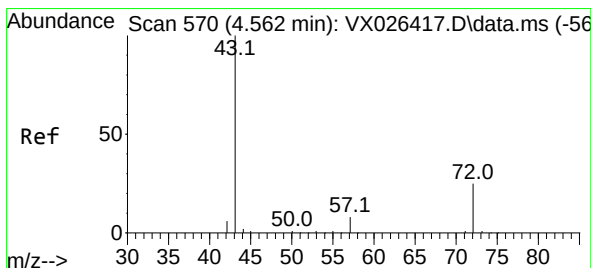
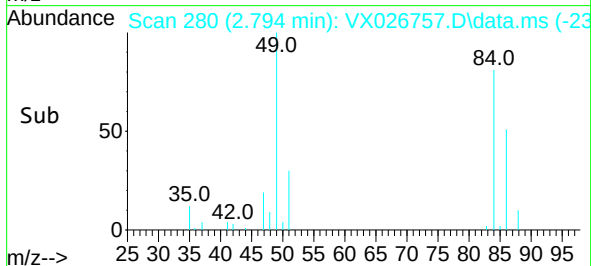
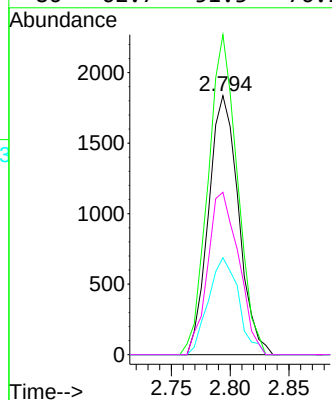
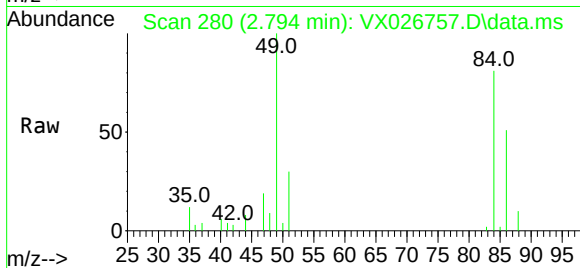
Ion Ratio Lower Upper

84 100

49 123.5 101.5 152.3

51 37.5 31.2 46.8

86 62.7 51.3 76.9



#25

2-Butanone

Concen: 1.522 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.006 min

Lab File: VX026757.D

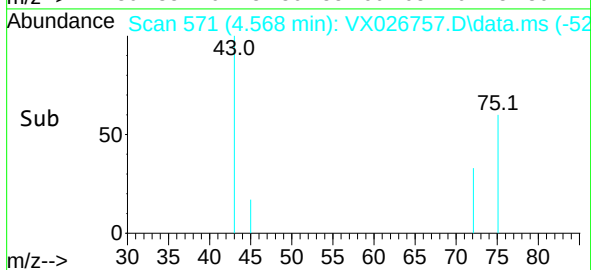
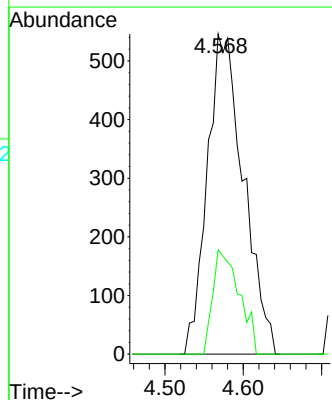
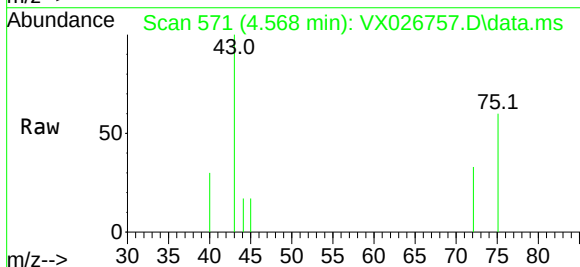
Acq: 03 Feb 2022 14:52

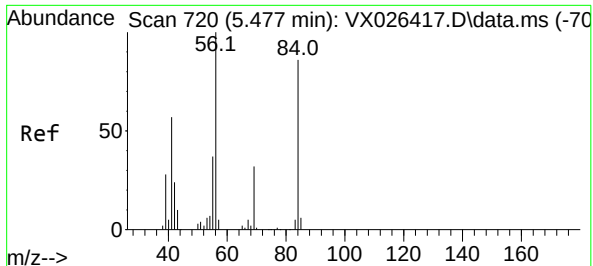
Tgt Ion: 43 Resp: 1756

Ion Ratio Lower Upper

43 100

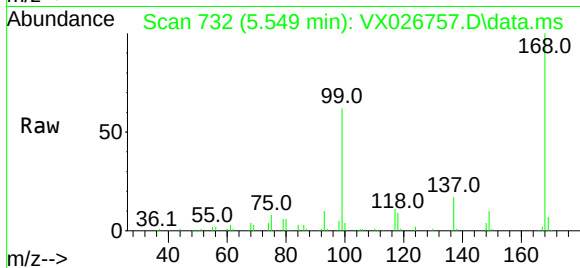
72 32.6 20.4 30.6#



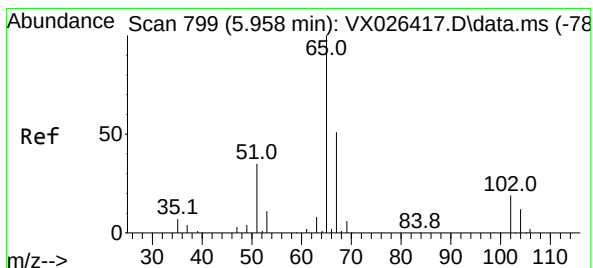
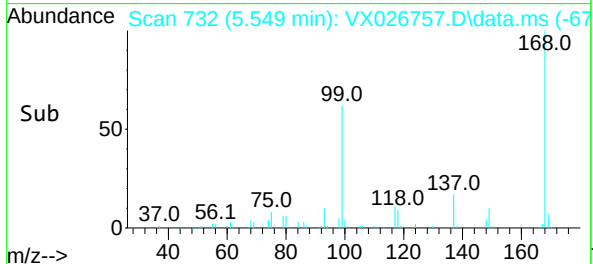
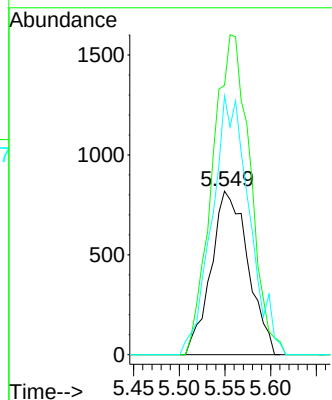


#31
Cyclohexane
Concen: 0.898 ug/l
RT: 5.549 min Scan# 713
Delta R.T. 0.073 min
Lab File: VX026757.D
Acq: 03 Feb 2022 14:52

Instrument :
MSVOA_X
ClientSampleId :
PB142440TB

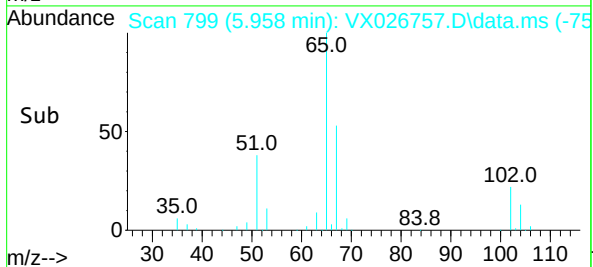
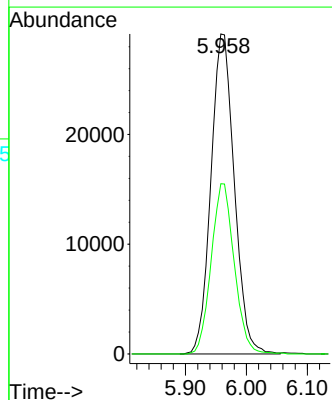
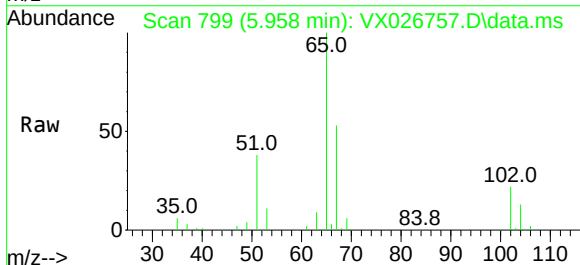


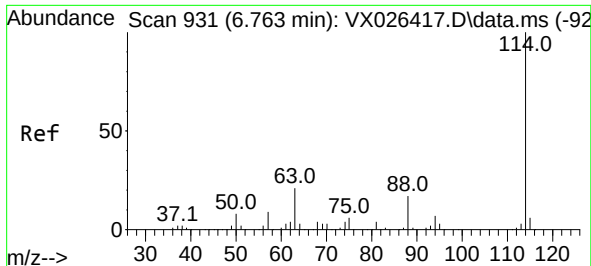
Tgt Ion: 56 Resp: 2305
Ion Ratio Lower Upper
56 100
69 164.7 25.8 38.6#
84 158.1 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 44.659 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX026757.D
Acq: 03 Feb 2022 14:52

Tgt Ion: 65 Resp: 77710
Ion Ratio Lower Upper
65 100
67 52.6 0.0 100.8

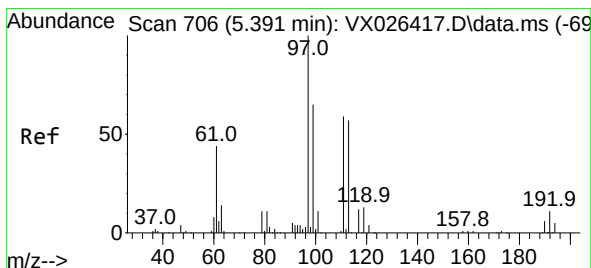
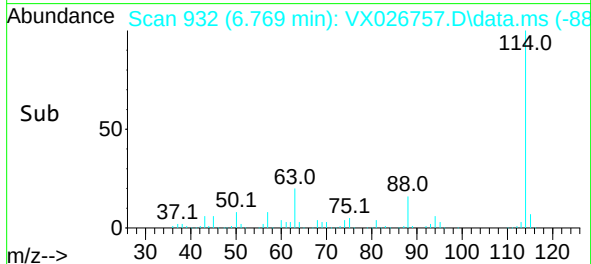
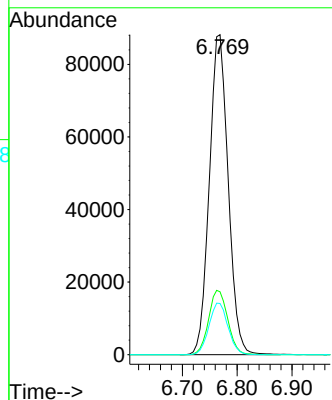
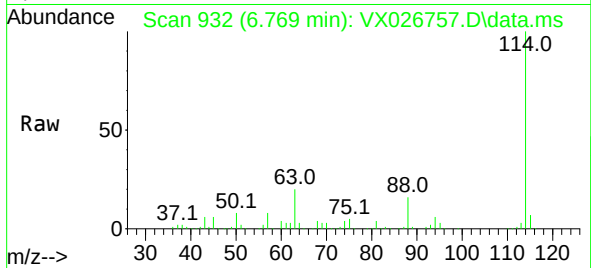




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX026757.D
Acq: 03 Feb 2022 14:52

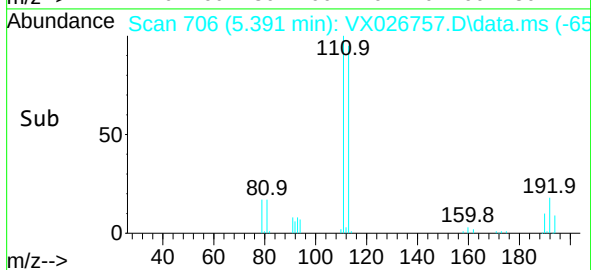
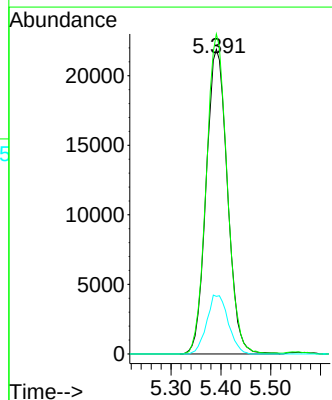
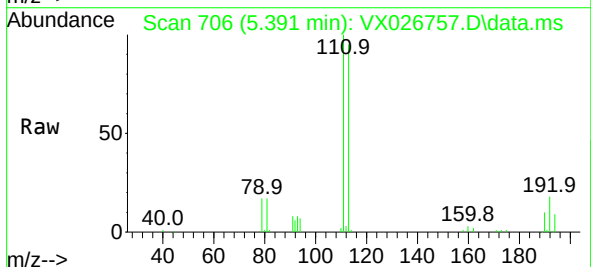
Instrument :
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ClientSampleId :
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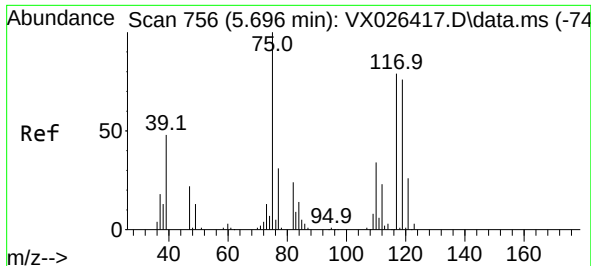
Tgt Ion:114 Resp: 210063
Ion Ratio Lower Upper
114 100
63 19.7 0.0 42.8
88 16.0 0.0 33.0



#35
Dibromofluoromethane
Concen: 47.830 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX026757.D
Acq: 03 Feb 2022 14:52

Tgt Ion:113 Resp: 64883
Ion Ratio Lower Upper
113 100
111 103.0 81.2 121.8
192 19.5 15.0 22.4

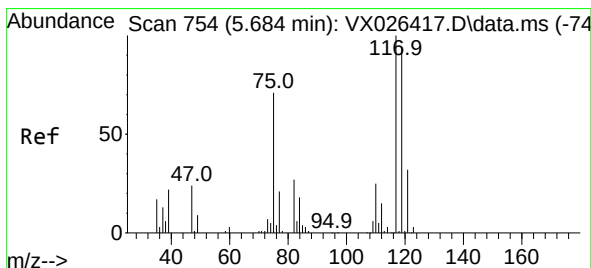
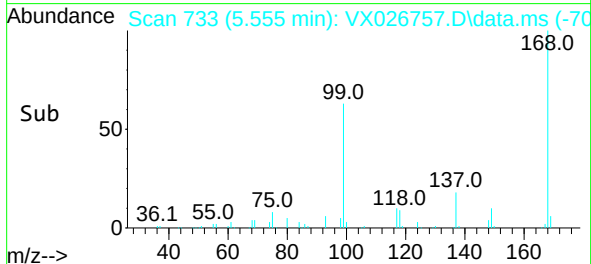
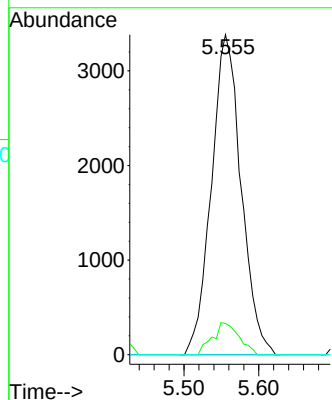
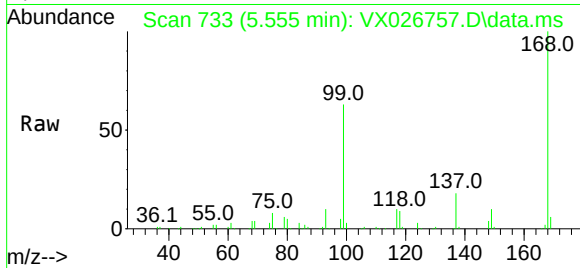




#36
1,1-Dichloropropene
Concen: 4.369 ug/l
RT: 5.555 min Scan# 713
Delta R.T. -0.141 min
Lab File: VX026757.D
Acq: 03 Feb 2022 14:52

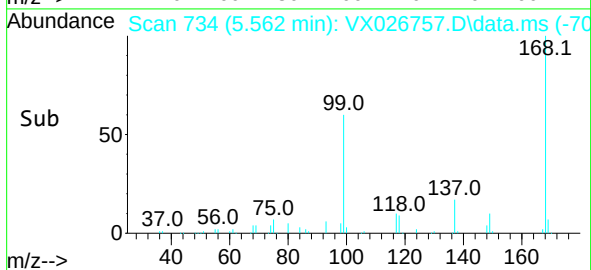
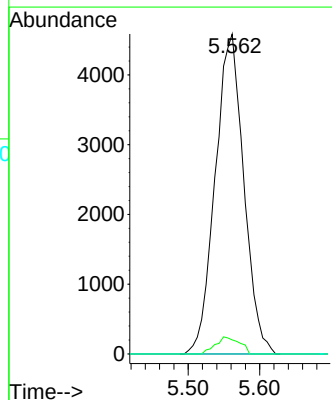
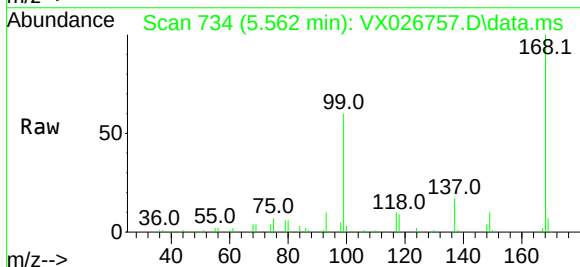
Instrument :
MSVOA_X
ClientSampleId :
PB142440TB

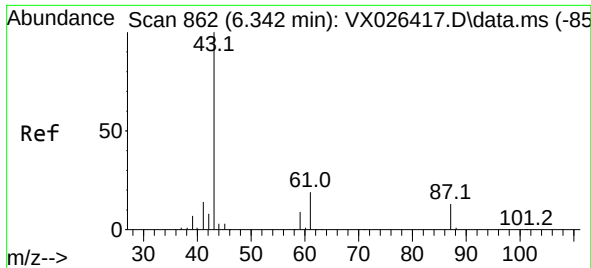
Tgt Ion: 75 Resp: 9355
Ion Ratio Lower Upper
75 100
110 8.9 17.2 51.6#
77 0.0 24.6 36.8#



#38
Carbon Tetrachloride
Concen: 5.781 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX026757.D
Acq: 03 Feb 2022 14:52

Tgt Ion: 117 Resp: 12734
Ion Ratio Lower Upper
117 100
119 4.4 74.7 112.1#
121 0.0 25.4 38.0#

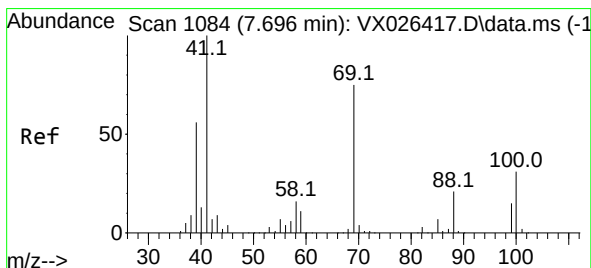
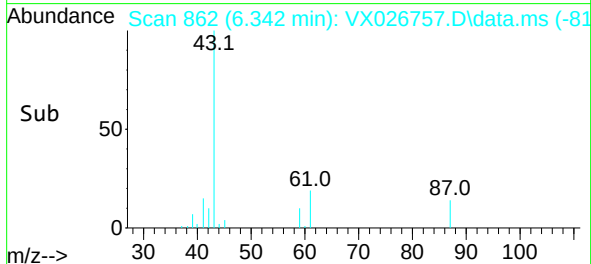
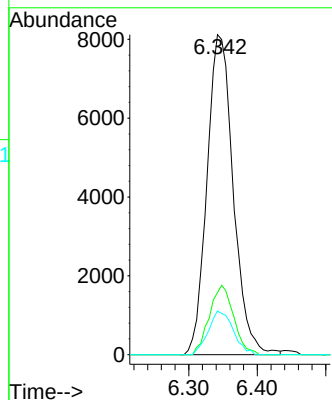
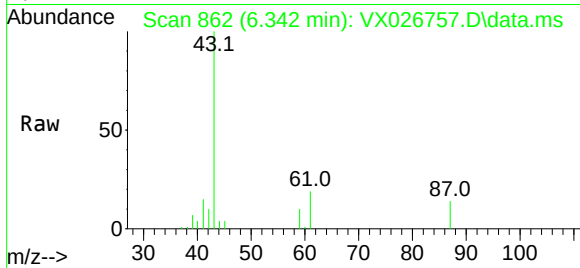




#43
Isopropyl Acetate
Concen: 6.180 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX026757.D
Acq: 03 Feb 2022 14:52

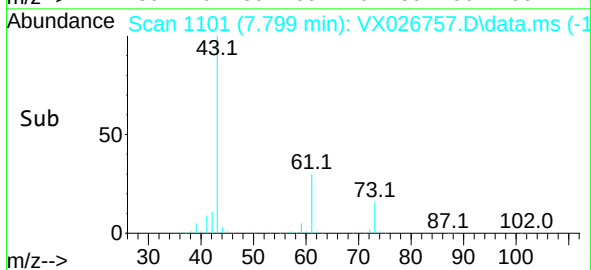
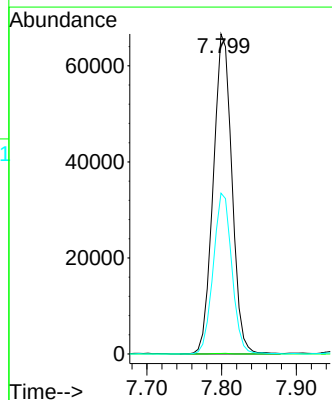
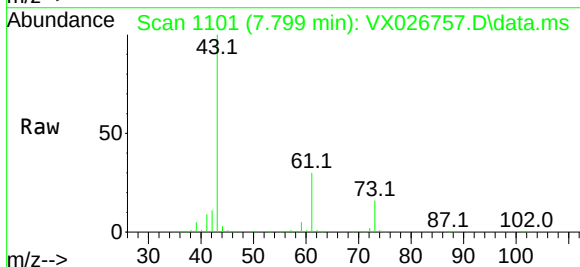
Instrument :
MSVOA_X
ClientSampleId :
PB142440TB

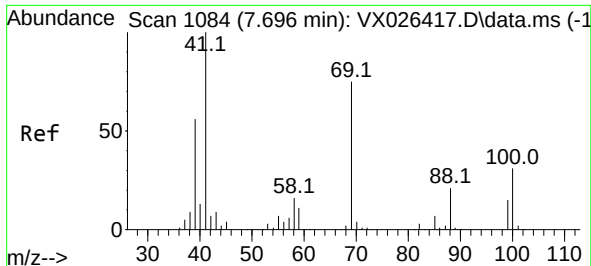
Tgt Ion:	43	Resp:	21625
Ion	Ratio	Lower	Upper
43	100		
61	20.0	15.4	23.0
87	12.9	10.2	15.2



#48
Methyl methacrylate
Concen: 66.863 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX026757.D
Acq: 03 Feb 2022 14:52

Tgt Ion:	41	Resp:	115951
Ion	Ratio	Lower	Upper
41	100		
69	0.1	62.2	93.4#
39	50.2	45.4	68.0





#49

1,4-Dioxane

Concen: 5.833 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.109 min

Lab File: VX026757.D

Acq: 03 Feb 2022 14:52

Instrument :

MSVOA_X

ClientSampleId :

PB142440TB

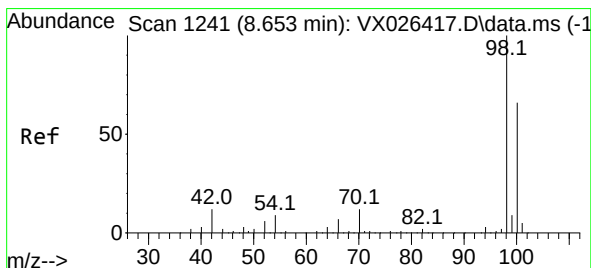
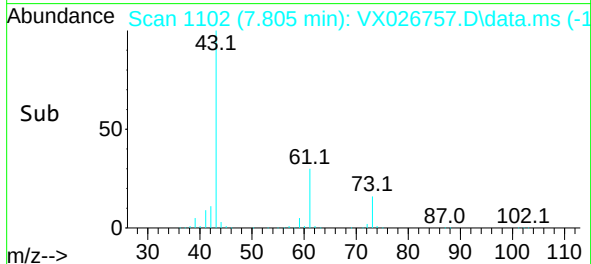
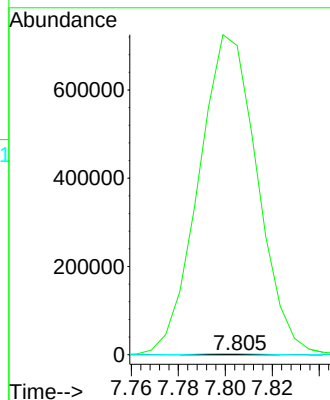
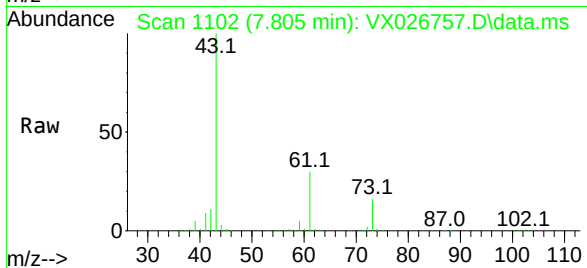
Tgt Ion: 88 Resp: 166

Ion Ratio Lower Upper

88 100

43 764562.7 29.9 44.9#

58 2888.6 57.8 86.6#



#50

Toluene-d8

Concen: 49.520 ug/l

RT: 8.652 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX026757.D

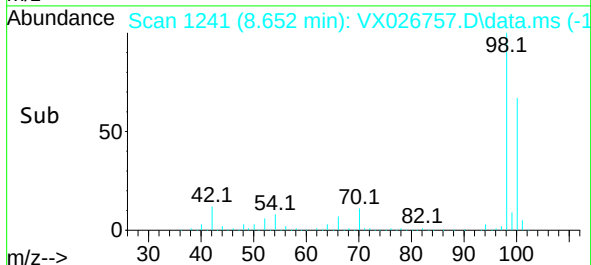
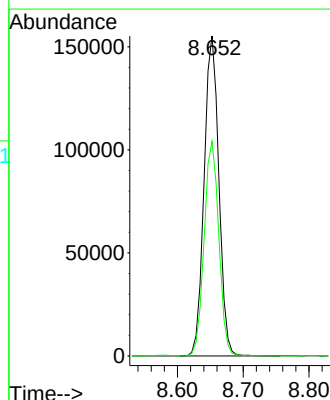
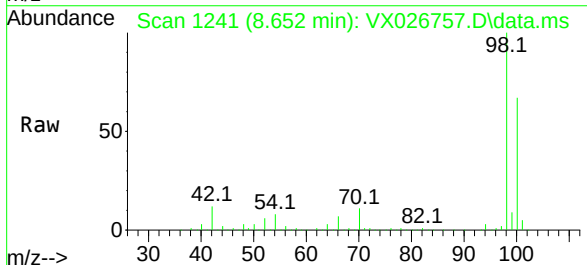
Acq: 03 Feb 2022 14:52

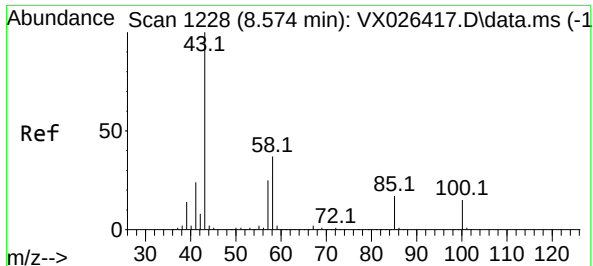
Tgt Ion: 98 Resp: 242069

Ion Ratio Lower Upper

98 100

100 66.9 53.2 79.8

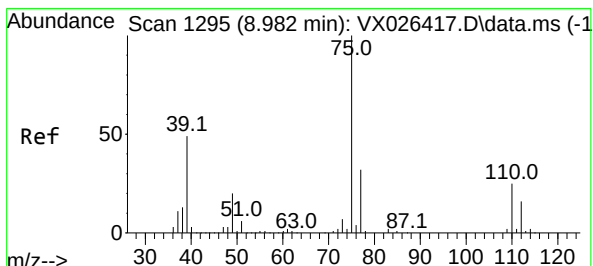
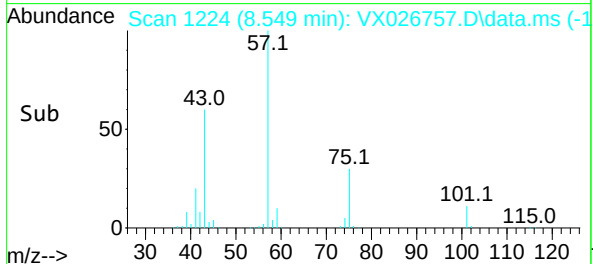
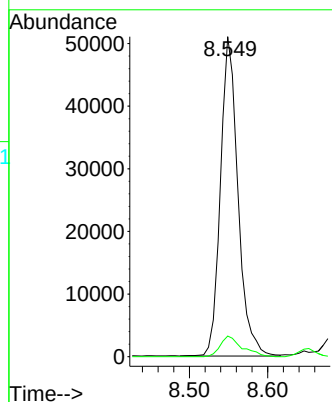
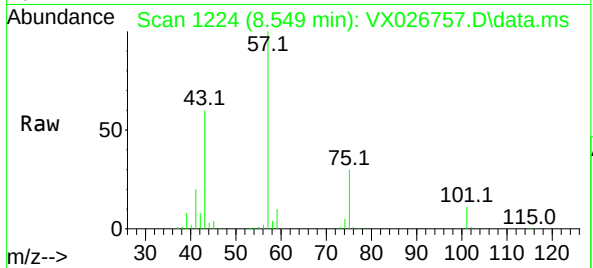




#51
4-Methyl-2-Pentanone
Concen: 38.321 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX026757.D
Acq: 03 Feb 2022 14:52

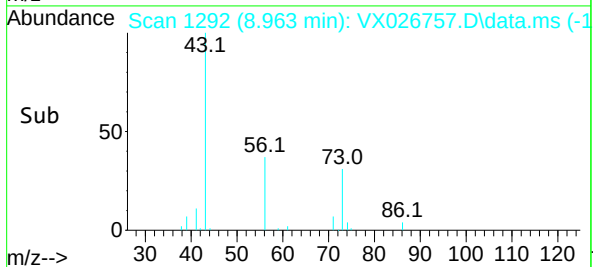
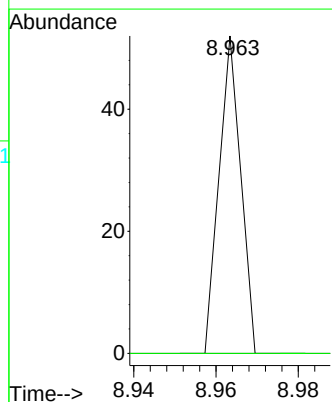
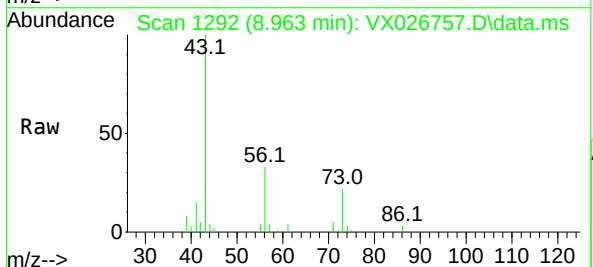
Instrument :
MSVOA_X
ClientSampleId :
PB142440TB

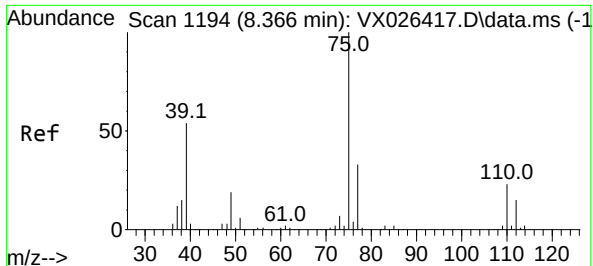
Tgt Ion: 43 Resp: 79537
Ion Ratio Lower Upper
43 100
58 8.0 30.5 45.7#



#53
t-1,3-Dichloropropene
Concen: 1.887 ug/l
RT: 8.963 min Scan# 1292
Delta R.T. -0.019 min
Lab File: VX026757.D
Acq: 03 Feb 2022 14:52

Tgt Ion: 75 Resp: 19
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

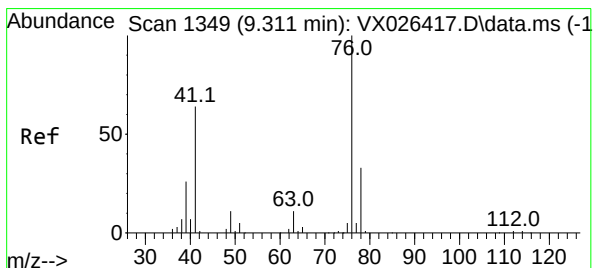
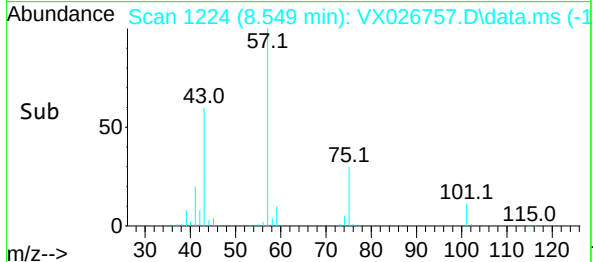
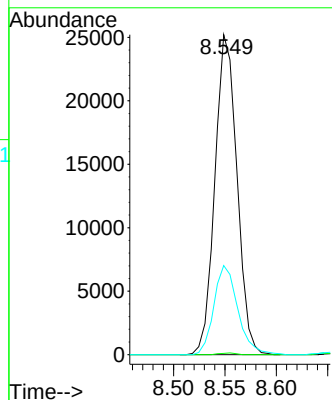
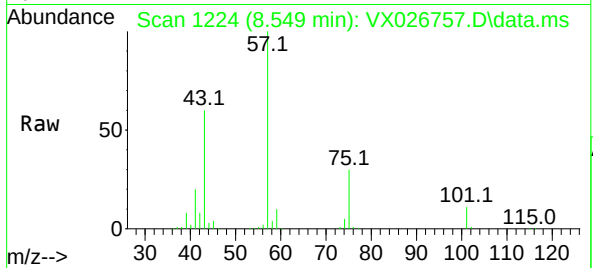




#54
 cis-1,3-Dichloropropene
 Concen: 16.641 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX026757.D
 Acq: 03 Feb 2022 14:52

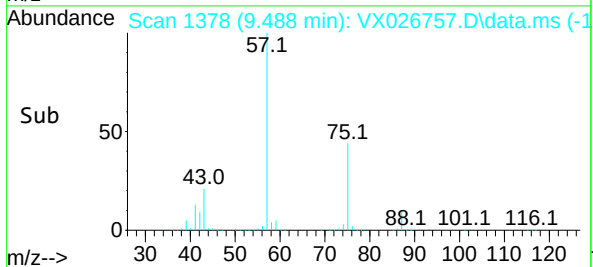
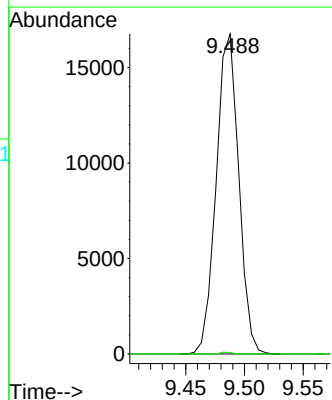
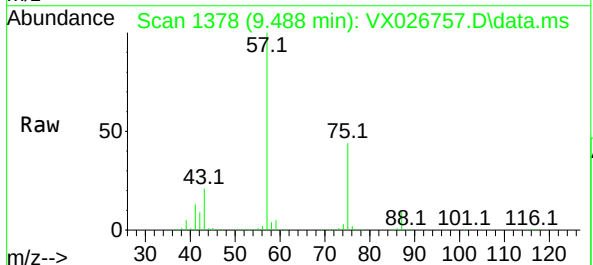
Instrument :
 MSVOA_X
 ClientSampleId :
 PB142440TB

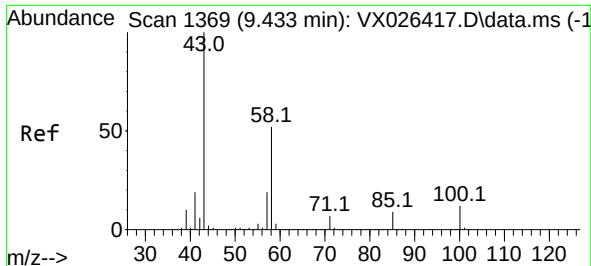
Tgt Ion: 75 Resp: 37612
 Ion Ratio Lower Upper
 75 100
 77 0.4 26.2 39.2#
 39 27.8 43.5 65.3#



#57
 1,3-Dichloropropane
 Concen: 9.121 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.176 min
 Lab File: VX026757.D
 Acq: 03 Feb 2022 14:52

Tgt Ion: 76 Resp: 22399
 Ion Ratio Lower Upper
 76 100
 78 0.3 25.7 38.5#





#59

2-Hexanone

Concen: 188.873 ug/l

RT: 9.488 min Scan# 11

Delta R.T. 0.055 min

Lab File: VX026757.D

Acq: 03 Feb 2022 14:52

Instrument :

MSVOA_X

ClientSampleId :

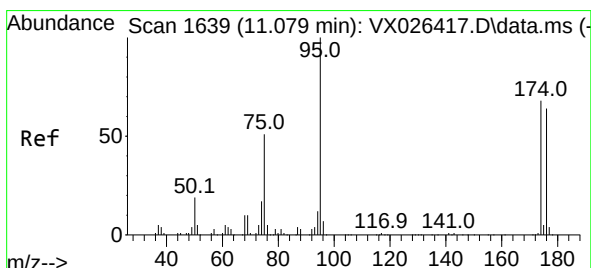
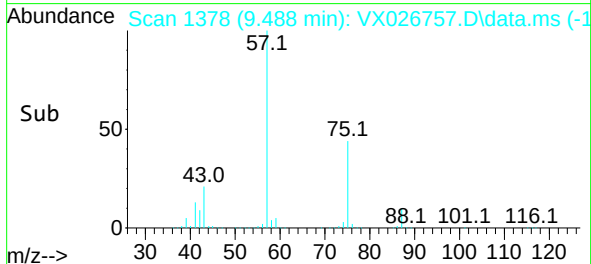
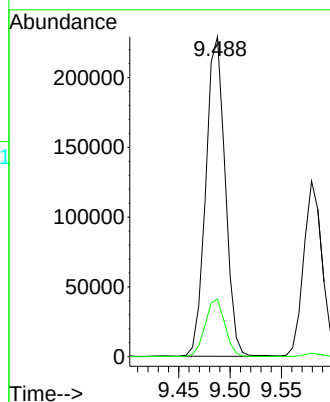
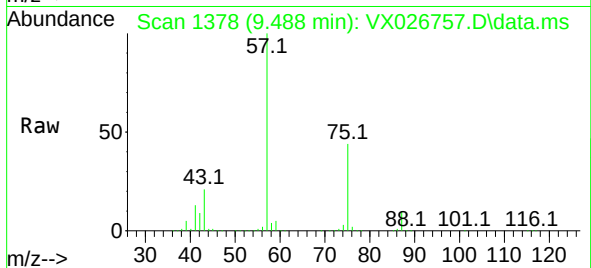
PB142440TB

Tgt Ion: 43 Resp: 300035

Ion Ratio Lower Upper

43 100

58 18.4 26.4 79.2#



#62

4-Bromofluorobenzene

Concen: 47.936 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX026757.D

Acq: 03 Feb 2022 14:52

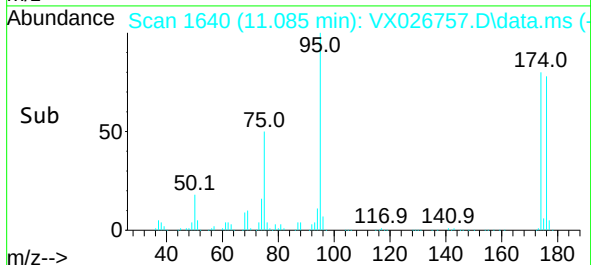
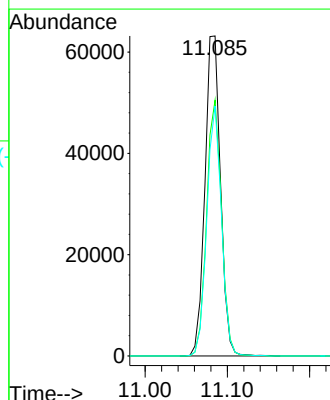
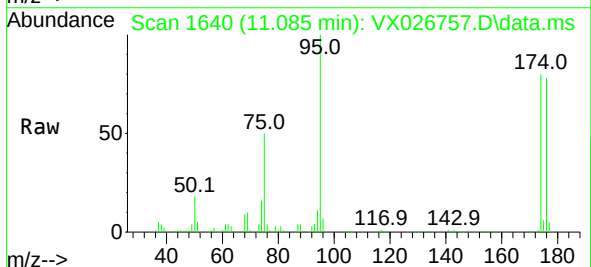
Tgt Ion: 95 Resp: 83241

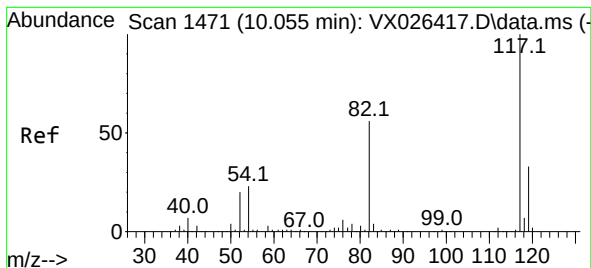
Ion Ratio Lower Upper

95 100

174 76.7 0.0 148.6

176 73.5 0.0 141.4

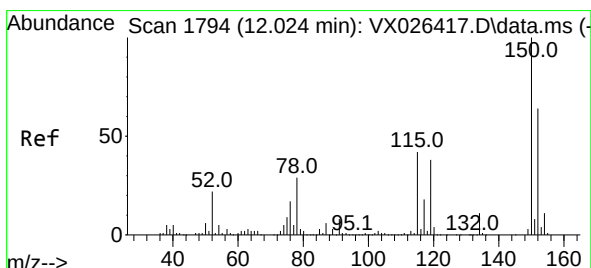
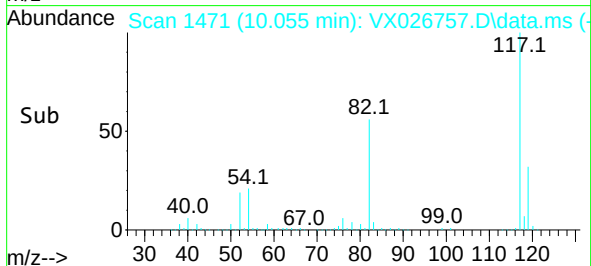
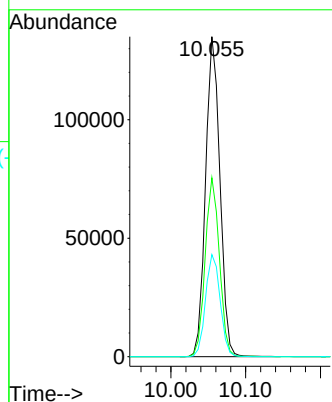
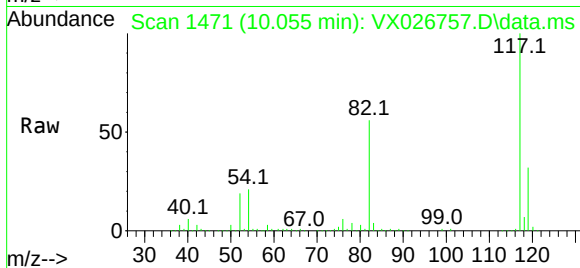




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX026757.D
Acq: 03 Feb 2022 14:52

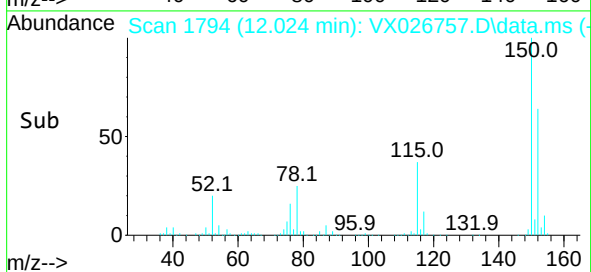
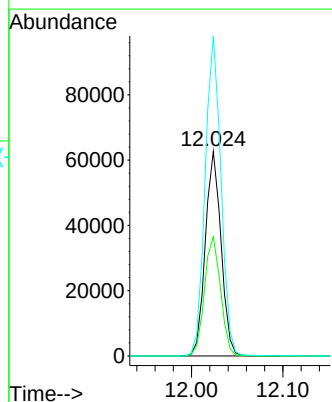
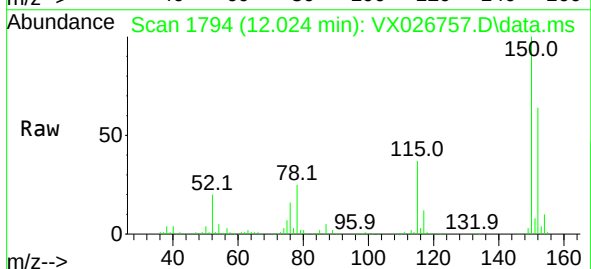
Instrument :
MSVOA_X
ClientSampleId :
PB142440TB

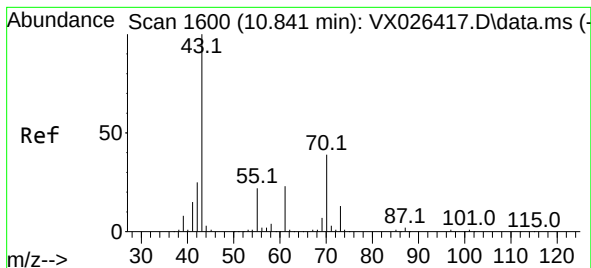
Tgt Ion:117 Resp: 180172
Ion Ratio Lower Upper
117 100
82 55.9 45.2 67.8
119 31.9 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX026757.D
Acq: 03 Feb 2022 14:52

Tgt Ion:152 Resp: 74770
Ion Ratio Lower Upper
152 100
115 59.6 44.2 132.6
150 157.5 0.0 348.2





#74

N-amy1 acetate

Concen: 6.415 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.202 min

Lab File: VX026757.D

Acq: 03 Feb 2022 14:52

Instrument :

MSVOA_X

ClientSampleId :

PB142440TB

Tgt Ion: 43 Resp: 15179

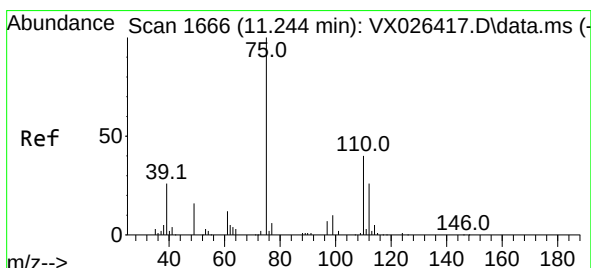
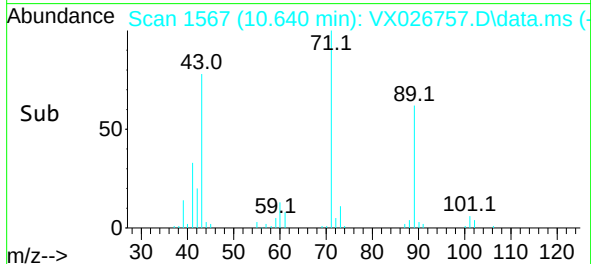
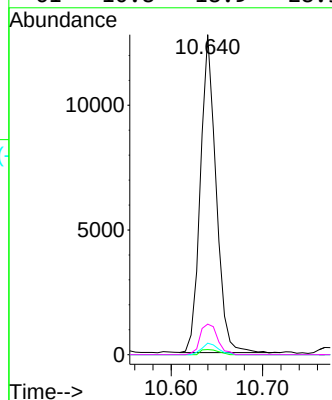
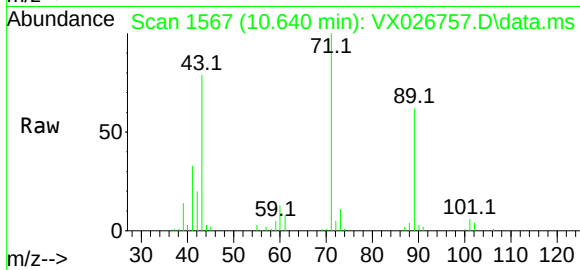
Ion Ratio Lower Upper

43 100

70 1.8 32.9 49.3#

55 3.8 18.3 27.5#

61 10.8 18.9 28.3#



#76

1,2,3-Trichloropropane

Concen: 24.945 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX026757.D

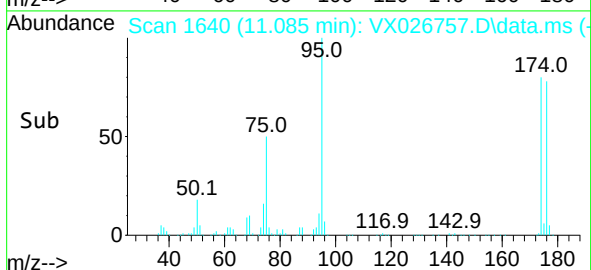
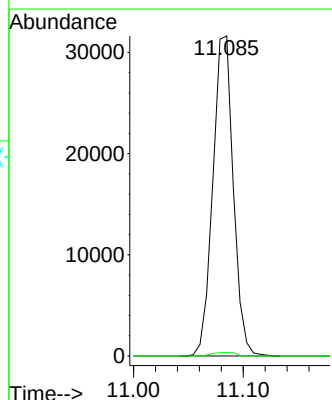
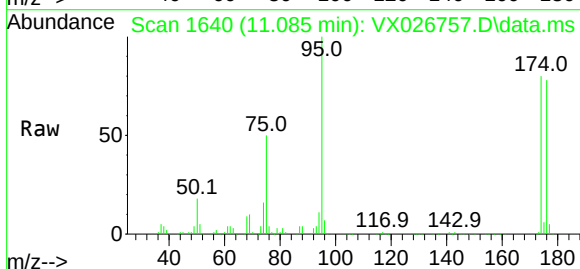
Acq: 03 Feb 2022 14:52

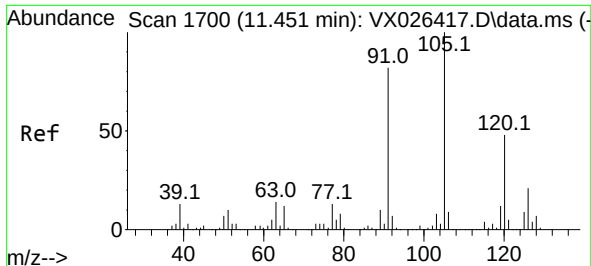
Tgt Ion: 75 Resp: 41066

Ion Ratio Lower Upper

75 100

77 1.3 18.3 54.8#

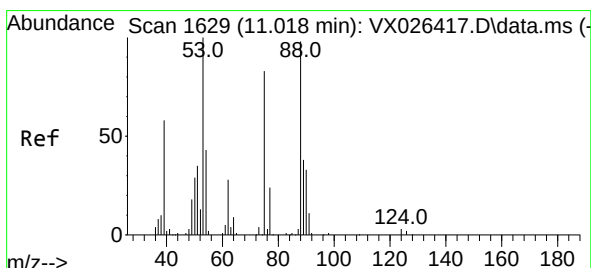
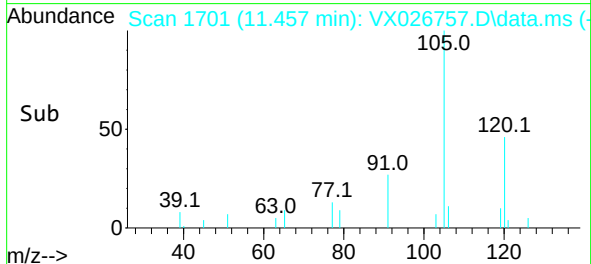
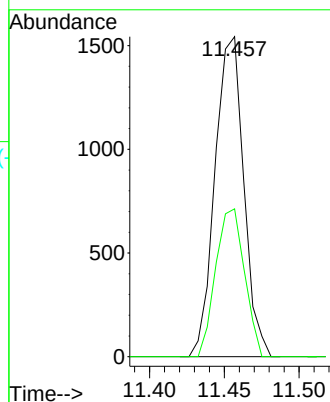
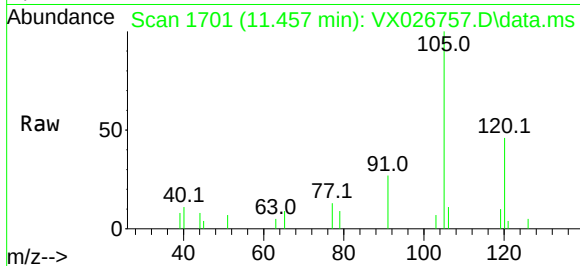




#80
 1,3,5-Trimethylbenzene
 Concen: 0.408 ug/l
 RT: 11.457 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX026757.D
 Acq: 03 Feb 2022 14:52

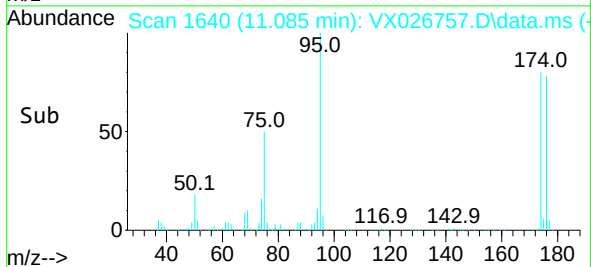
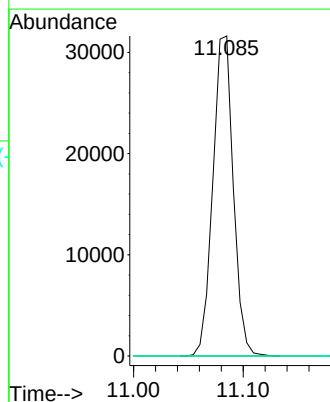
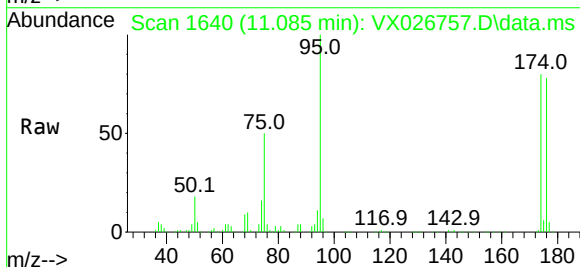
Instrument :
 MSVOA_X
 ClientSampleId :
 PB142440TB

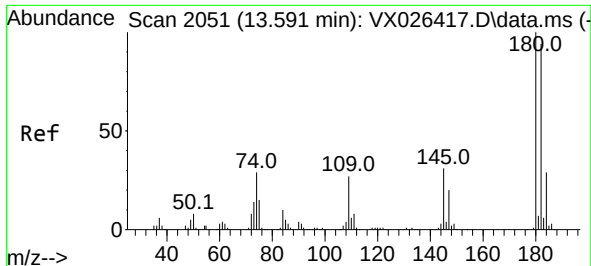
Tgt Ion:105 Resp: 2064
 Ion Ratio Lower Upper
 105 100
 120 46.1 24.0 72.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.833 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.067 min
 Lab File: VX026757.D
 Acq: 03 Feb 2022 14:52

Tgt Ion: 75 Resp: 41066
 Ion Ratio Lower Upper
 75 100
 53 0.0 94.0 141.0#
 89 0.0 37.0 55.4#

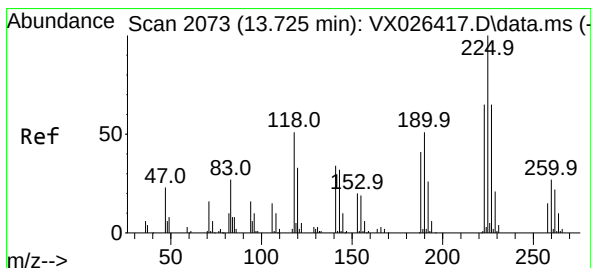
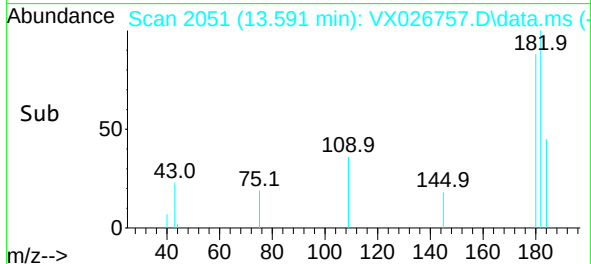
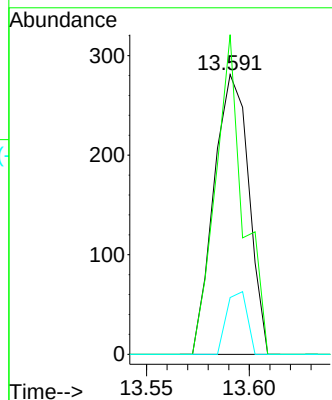
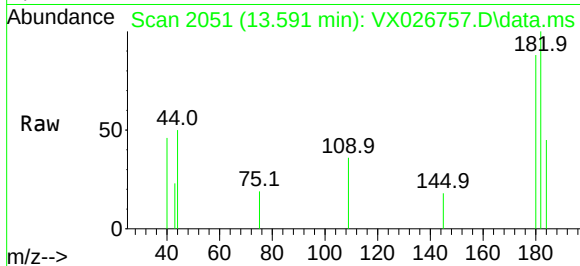




#93
 1,2,4-Trichlorobenzene
 Concen: 0.208 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. -0.000 min
 Lab File: VX026757.D
 Acq: 03 Feb 2022 14:52

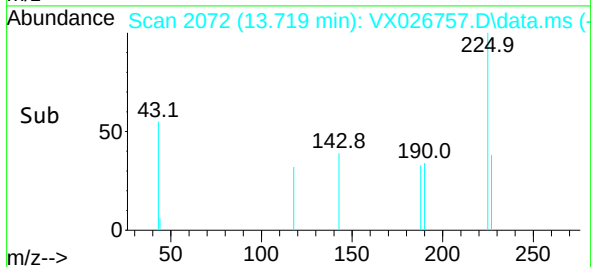
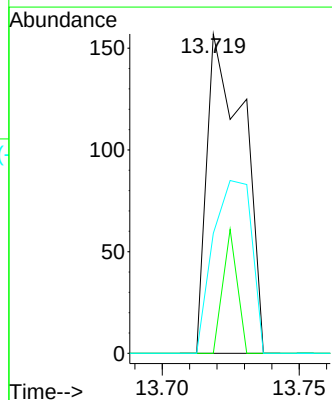
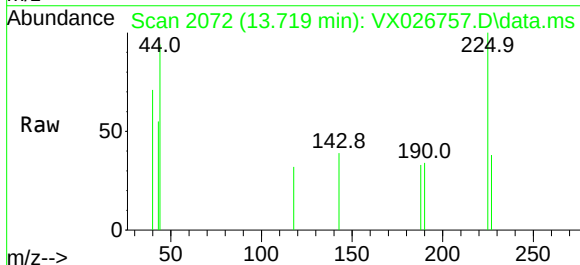
Instrument :
 MSVOA_X
 ClientSampleId :
 PB142440TB

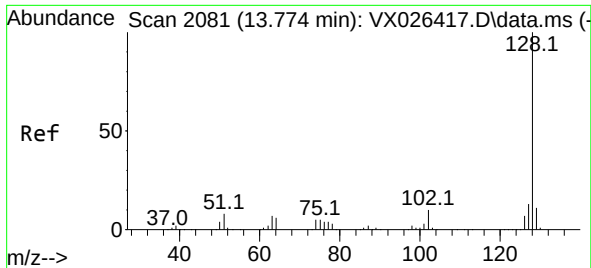
Tgt Ion:180 Resp: 331
 Ion Ratio Lower Upper
 180 100
 182 91.2 46.7 140.0
 145 13.3 16.3 48.8#



#94
 Hexachlorobutadiene
 Concen: 0.215 ug/l
 RT: 13.719 min Scan# 2072
 Delta R.T. -0.006 min
 Lab File: VX026757.D
 Acq: 03 Feb 2022 14:52

Tgt Ion:225 Resp: 145
 Ion Ratio Lower Upper
 225 100
 223 15.2 32.0 96.0#
 227 57.2 32.3 96.9





#95

Naphthalene

Concen: 0.210 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX026757.D

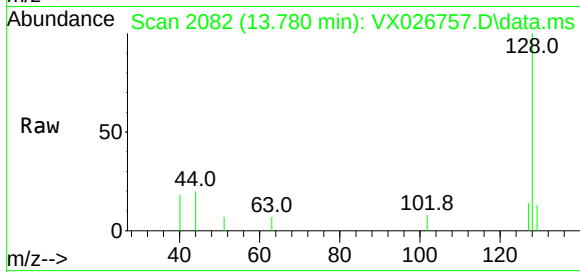
Acq: 03 Feb 2022 14:52

Instrument :

MSVOA_X

ClientSampleId :

PB142440TB



Tgt Ion:128 Resp: 1115

Ion Ratio Lower Upper

128 100

127 8.7 10.3 15.5#

129 10.2 8.7 13.1

