

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081821\
 Data File : VX023819.D
 Acq On : 18 Aug 2021 16:14
 Operator : JC/MD
 Sample : PB138522ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB138522ZHE#04

Quant Time: Aug 19 04:19:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

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

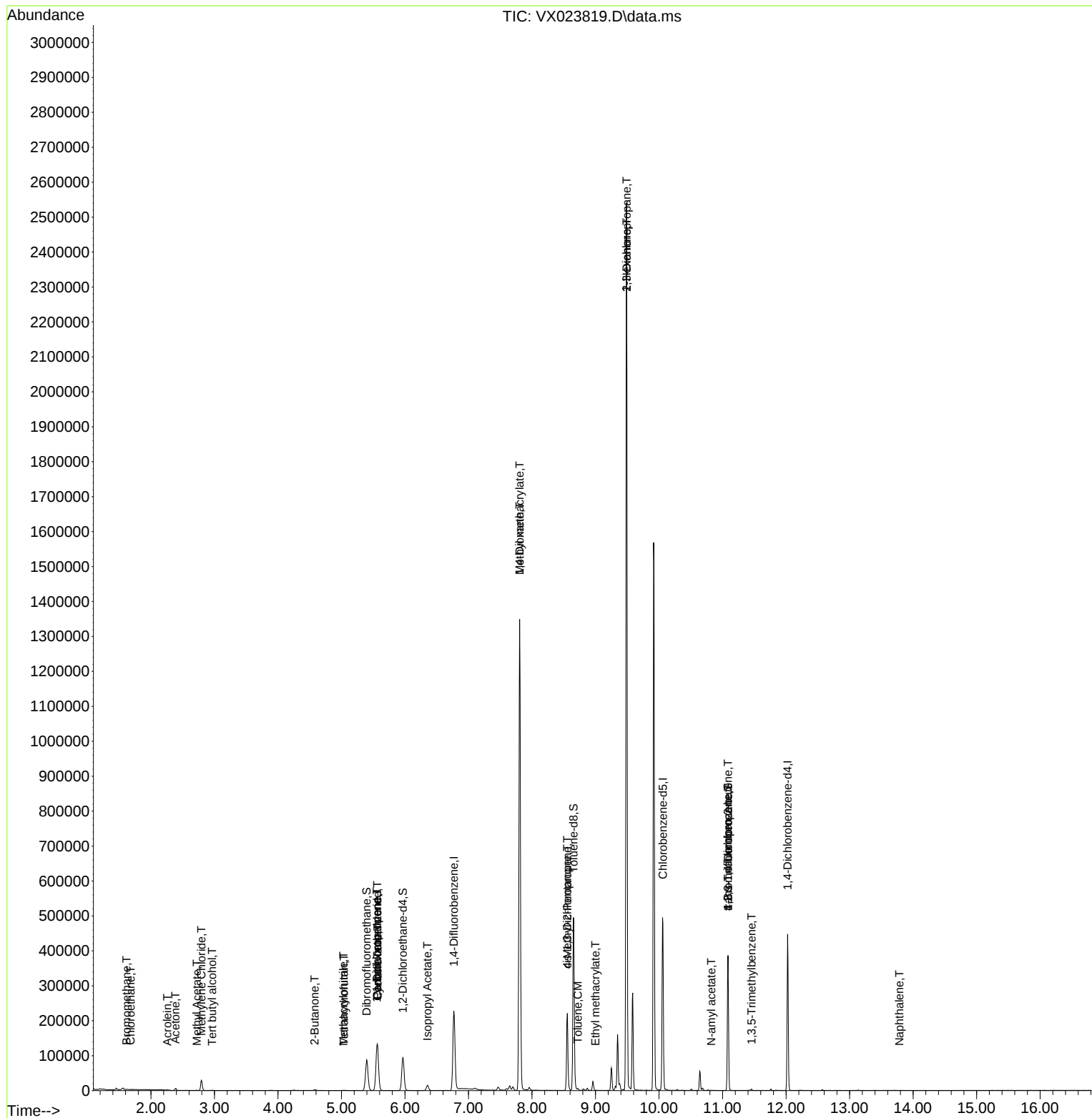
Internal Standards						
1) Pentafluorobenzene	5.562	168	126454	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	223784	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	215259	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	87887	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	92975	52.680	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.360%			
35) Dibromofluoromethane	5.397	113	72342	48.841	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.680%			
50) Toluene-d8	8.653	98	280136	49.692	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.380%			
62) 4-Bromofluorobenzene	11.085	95	96296	46.401	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.800%			
Target Compounds					Qvalue	
5) Bromomethane	1.617	94	616	0.686	ug/l #	58
6) Chloroethane	1.678	64	91	2.290	ug/l #	77
11) Tert butyl alcohol	2.965	59	996	2.791	ug/l #	73
13) Acrolein	2.258	56	50	0.235	ug/l #	1
16) Acetone	2.386	43	6616	8.384	ug/l #	87
18) Methyl Acetate	2.721	43	891	0.452	ug/l	94
20) Methylene Chloride	2.794	84	12677	8.410	ug/l #	84
25) 2-Butanone	4.574	43	1807	1.512	ug/l #	82
29) Tetrahydrofuran	5.038	42	743	0.960	ug/l #	43
31) Cyclohexane	5.568	56	2841	1.253	ug/l #	26
36) 1,1-Dichloropropene	5.556	75	9868	4.762	ug/l #	49
38) Carbon Tetrachloride	5.562	117	13524	6.258	ug/l #	18
41) Methacrylonitrile	5.031	41	327	0.237	ug/l #	6
43) Isopropyl Acetate	6.354	43	20866	5.237	ug/l #	90
48) Methyl methacrylate	7.805	41	120778	62.134	ug/l #	38
49) 1,4-Dioxane	7.805	88	239	5.818	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	76127	29.555	ug/l #	44
52) Toluene	8.720	92	1126	0.284	ug/l	85
54) cis-1,3-Dichloropropene	8.555	75	32413	13.058	ug/l #	72
56) Ethyl methacrylate	9.000	69	109	0.798	ug/l #	29
57) 1,3-Dichloropropane	9.488	76	21290	7.852	ug/l #	42
59) 2-Hexanone	9.488	43	302515	152.791	ug/l #	43
74) N-amyl acetate	10.823	43	680	0.224	ug/l #	40
76) 1,2,3-Trichloropropane	11.085	75	53470	26.081	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.457	105	1789	0.325	ug/l	82
81) trans-1,4-Dichloro-2-b...	11.085	75	53470	76.718	ug/l #	12
95) Naphthalene	13.786	128	81	1.295	ug/l #	69

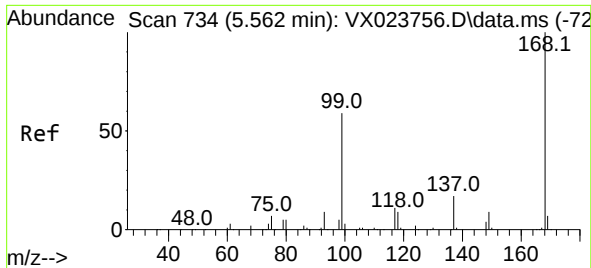
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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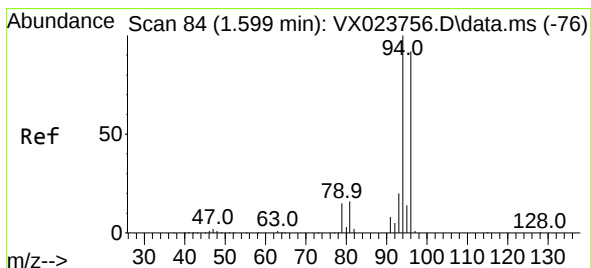
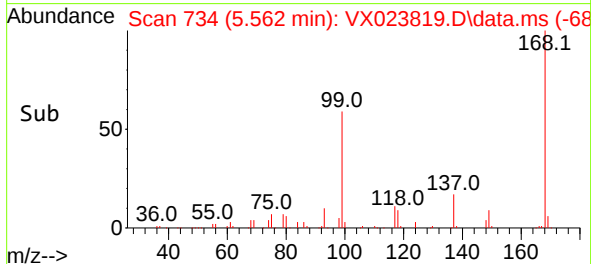
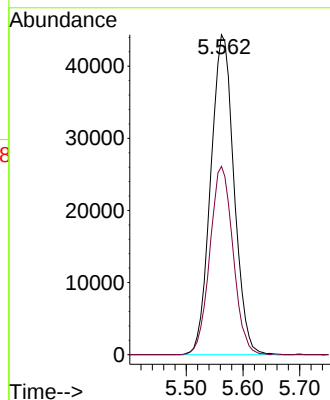
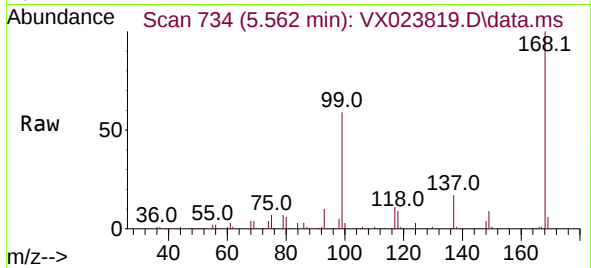




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023819.D
Acq: 18 Aug 2021 16:14

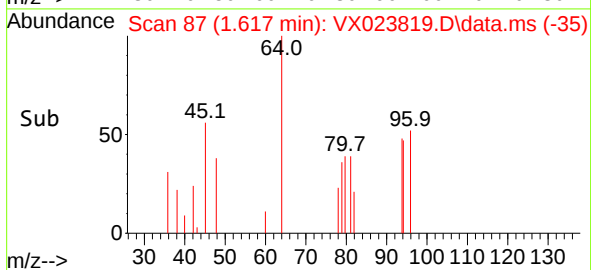
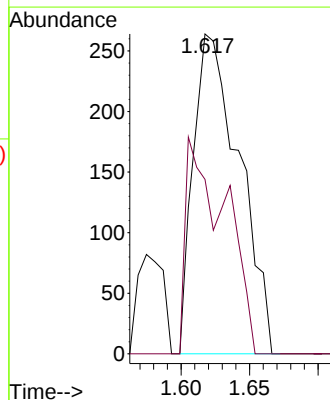
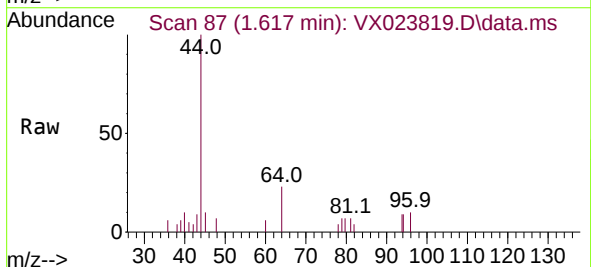
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#04

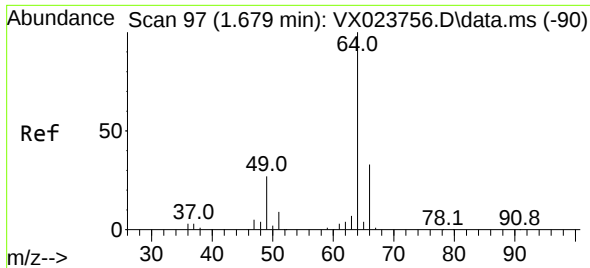
Tgt Ion:168 Resp: 126454
Ion Ratio Lower Upper
168 100
99 58.8 45.8 68.6



#5
Bromomethane
Concen: 0.686 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX023819.D
Acq: 18 Aug 2021 16:14

Tgt Ion: 94 Resp: 616
Ion Ratio Lower Upper
94 100
96 54.5 76.4 114.6#

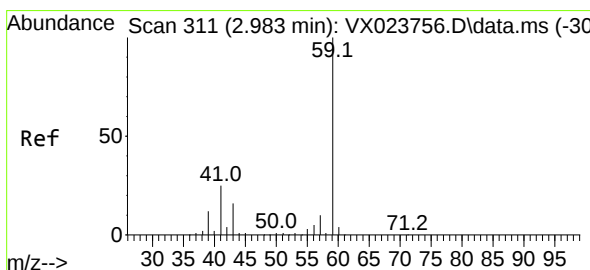
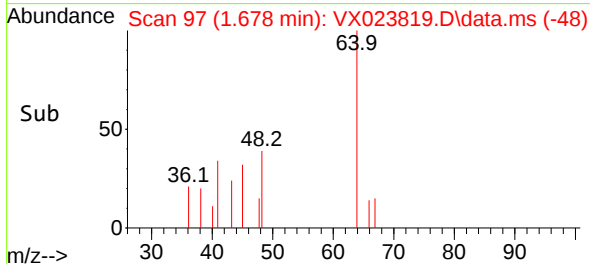
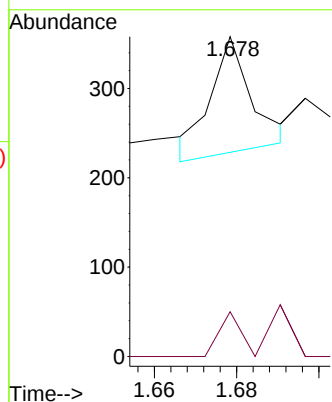
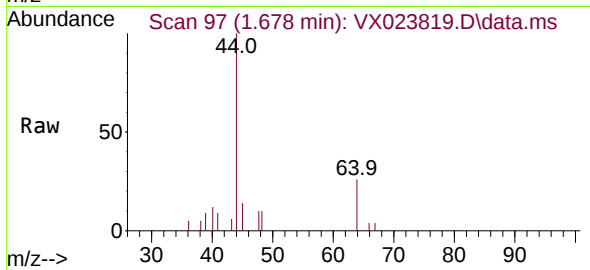




#6
Chloroethane
Concen: 2.290 ug/l
RT: 1.678 min Scan# 97
Delta R.T. -0.001 min
Lab File: VX023819.D
Acq: 18 Aug 2021 16:14

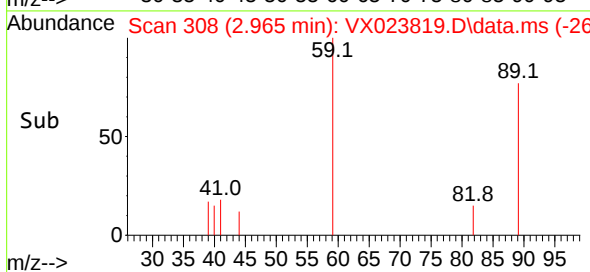
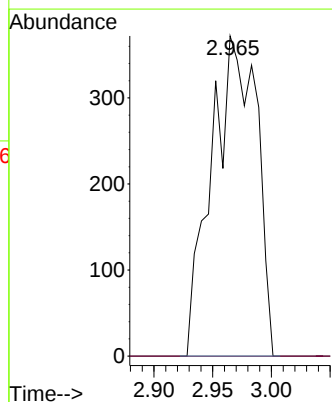
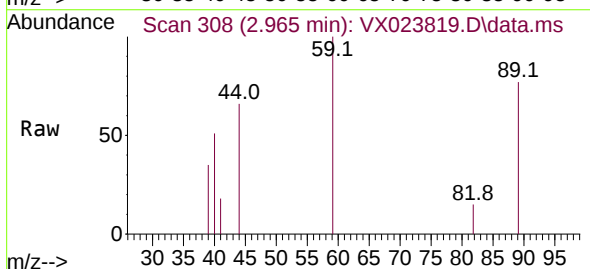
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#04

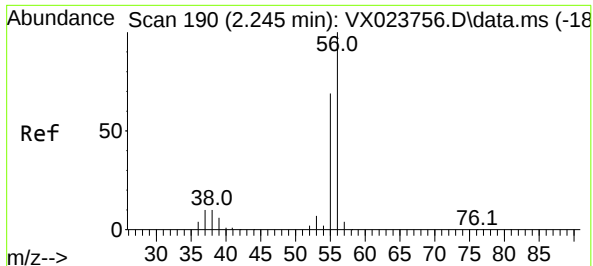
Tgt Ion: 64 Resp: 91
Ion Ratio Lower Upper
64 100
66 44.6 25.4 38.0#



#11
Tert butyl alcohol
Concen: 2.791 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX023819.D
Acq: 18 Aug 2021 16:14

Tgt Ion: 59 Resp: 996
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

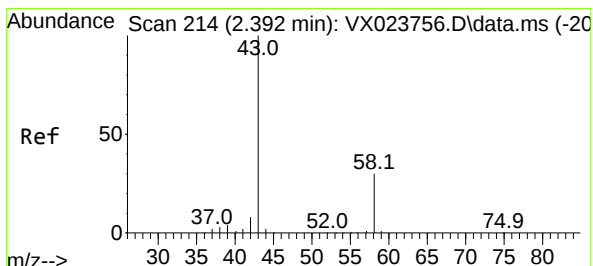
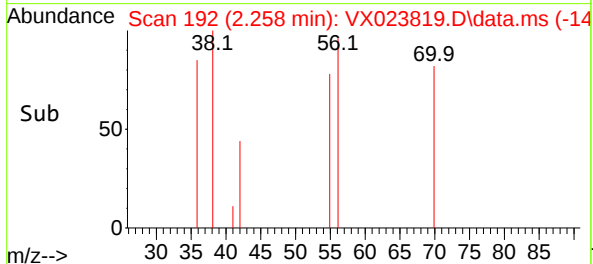
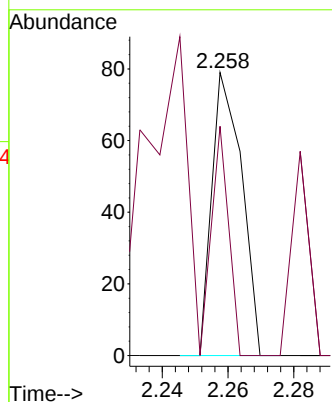
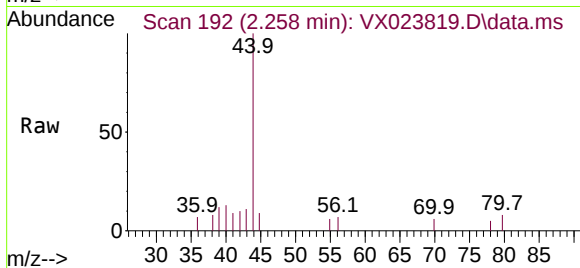




#13
Acrolein
Concen: 0.235 ug/l
RT: 2.258 min Scan# 192
Delta R.T. 0.013 min
Lab File: VX023819.D
Acq: 18 Aug 2021 16:14

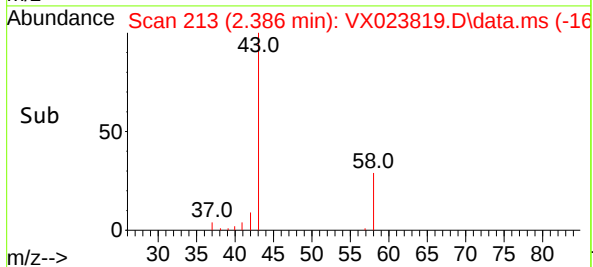
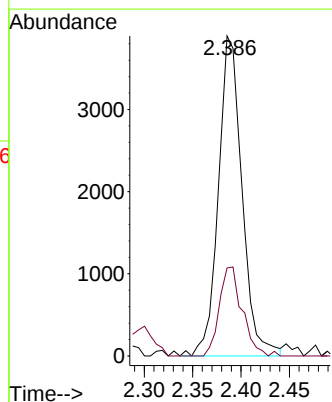
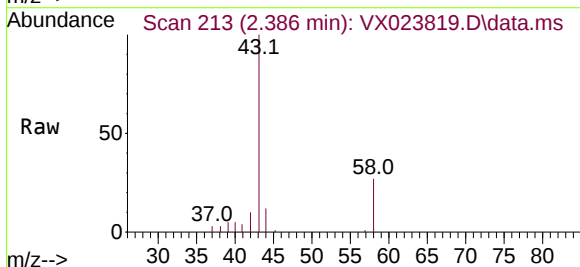
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#04

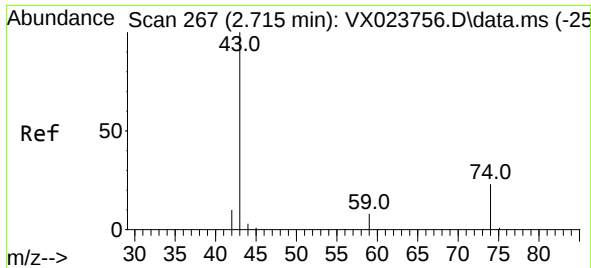
Tgt Ion: 56 Resp: 50
Ion Ratio Lower Upper
56 100
55 198.0 56.4 84.6#



#16
Acetone
Concen: 8.384 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023819.D
Acq: 18 Aug 2021 16:14

Tgt Ion: 43 Resp: 6616
Ion Ratio Lower Upper
43 100
58 27.5 27.8 41.8#

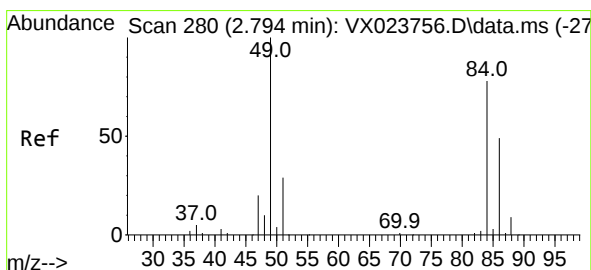
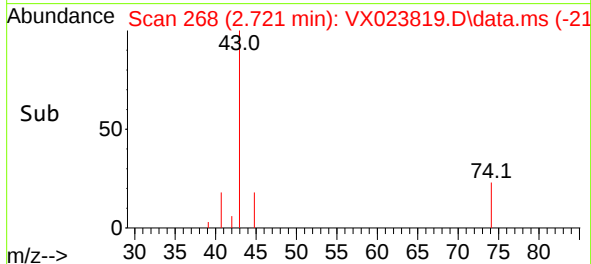
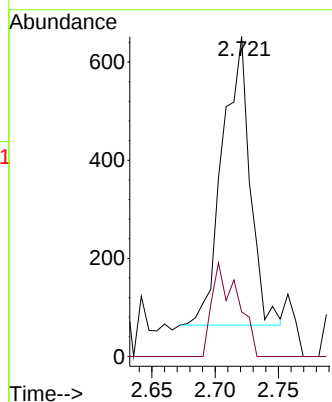
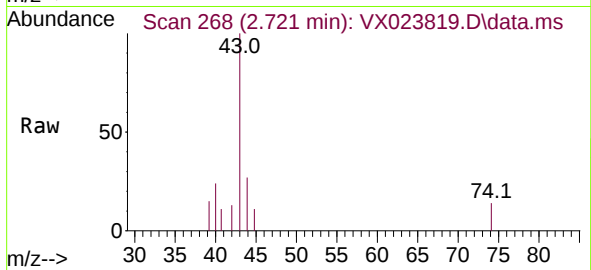




#18
Methyl Acetate
Concen: 0.452 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.006 min
Lab File: VX023819.D
Acq: 18 Aug 2021 16:14

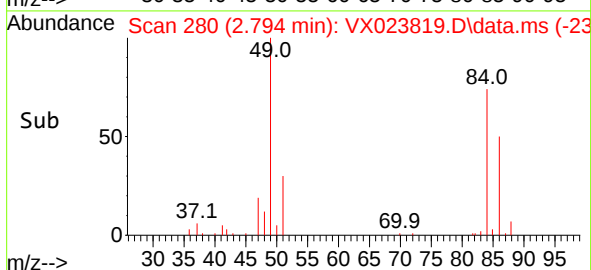
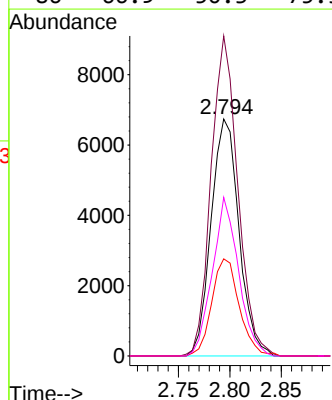
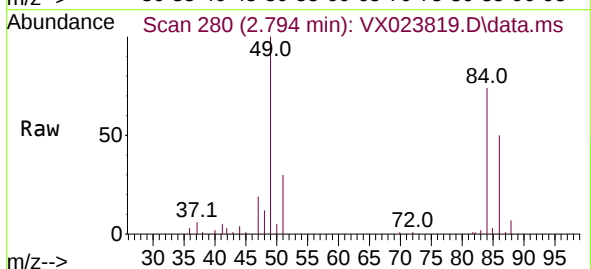
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#04

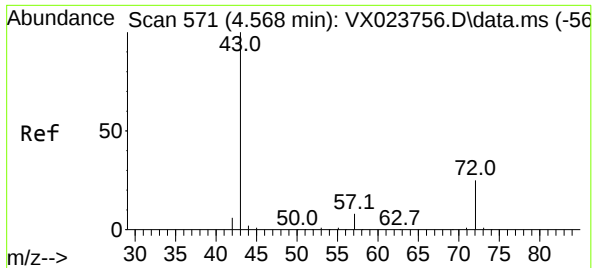
Tgt Ion: 43 Resp: 891
Ion Ratio Lower Upper
43 100
74 30.3 21.9 32.9



#20
Methylene Chloride
Concen: 8.410 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023819.D
Acq: 18 Aug 2021 16:14

Tgt Ion: 84 Resp: 12677
Ion Ratio Lower Upper
84 100
49 135.0 88.6 132.8#
51 41.0 27.0 40.6#
86 66.9 50.3 75.5





#25

2-Butanone

Concen: 1.512 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX023819.D

Acq: 18 Aug 2021 16:14

Tgt Ion: 43 Resp: 1807

Ion Ratio Lower Upper

43 100

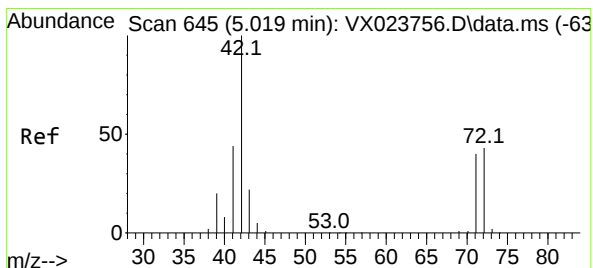
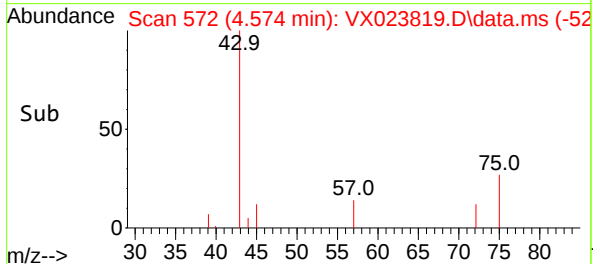
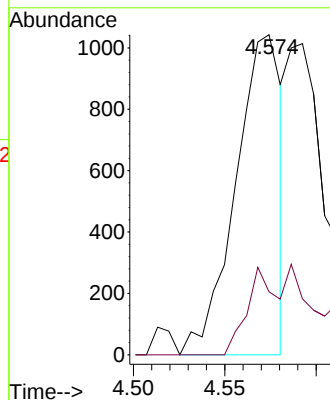
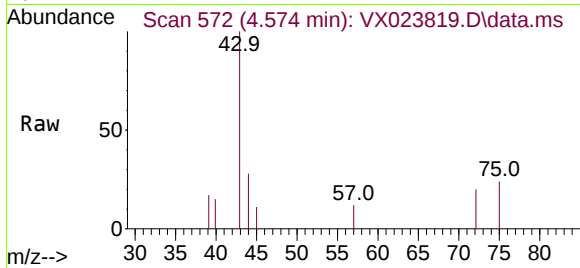
72 19.7 23.7 35.5#

Instrument :

MSVOA_X

ClientSampleId :

PB138522ZHE#04



#29

Tetrahydrofuran

Concen: 0.960 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.019 min

Lab File: VX023819.D

Acq: 18 Aug 2021 16:14

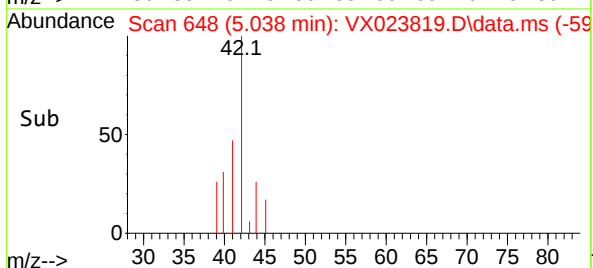
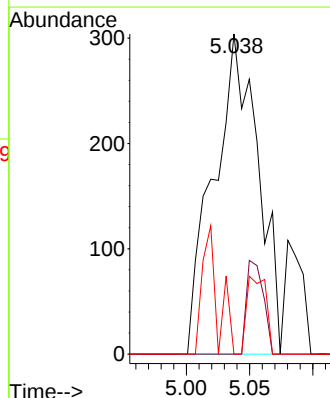
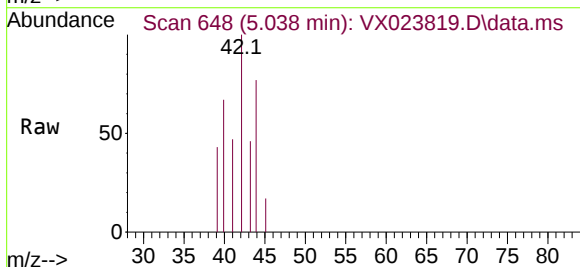
Tgt Ion: 42 Resp: 743

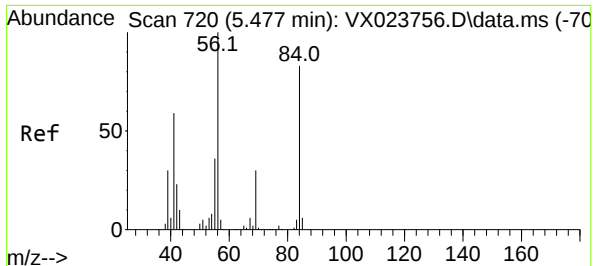
Ion Ratio Lower Upper

42 100

72 11.0 41.7 62.5#

71 10.5 38.4 57.6#

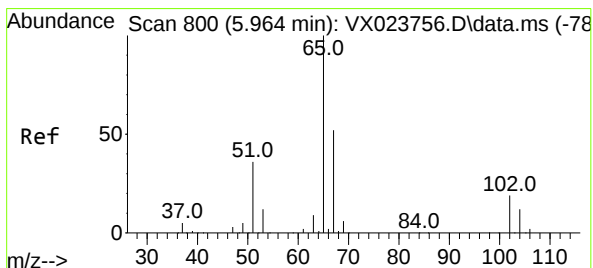
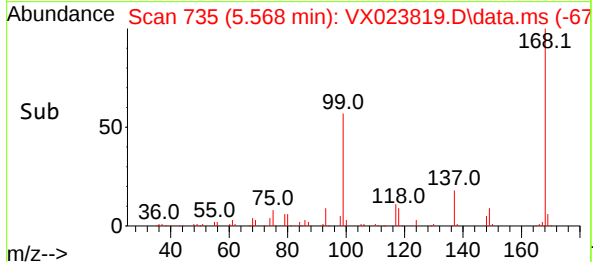
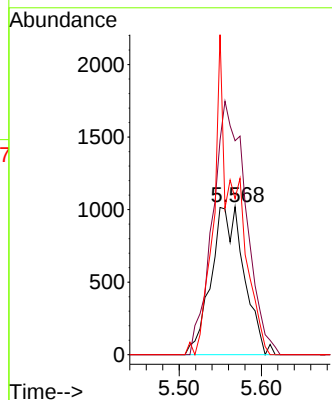
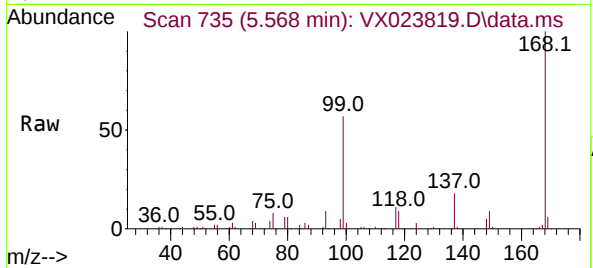




#31
Cyclohexane
Concen: 1.253 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX023819.D
Acq: 18 Aug 2021 16:14

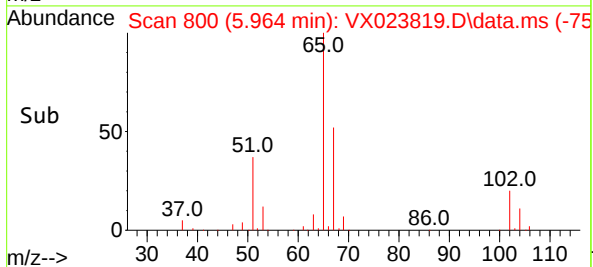
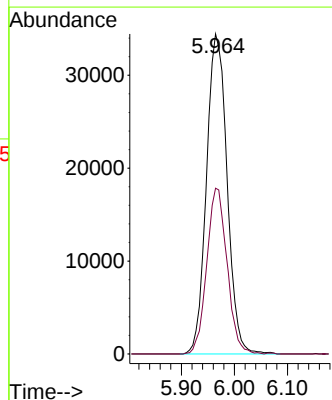
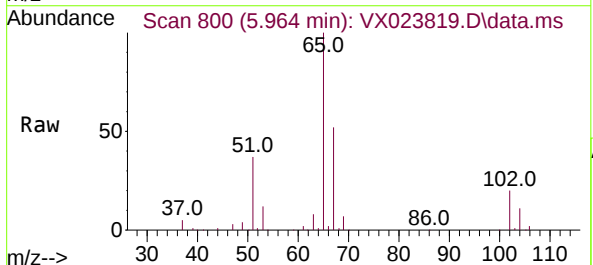
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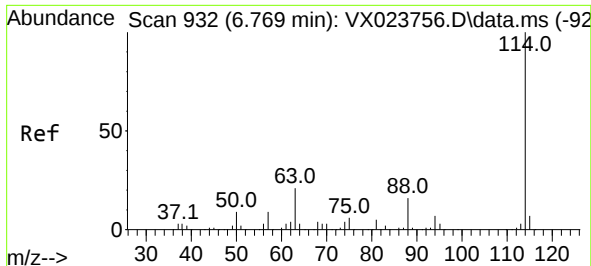
Tgt Ion: 56 Resp: 2841
Ion Ratio Lower Upper
56 100
69 144.6 25.3 37.9#
84 116.1 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 52.680 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023819.D
Acq: 18 Aug 2021 16:14

Tgt Ion: 65 Resp: 92975
Ion Ratio Lower Upper
65 100
67 51.0 0.0 105.4

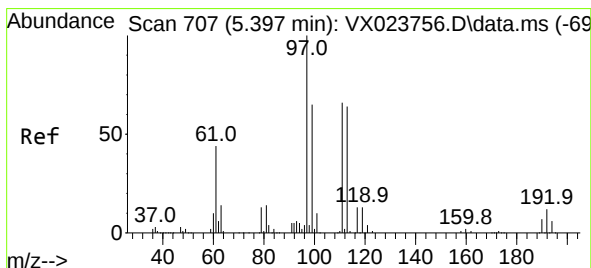
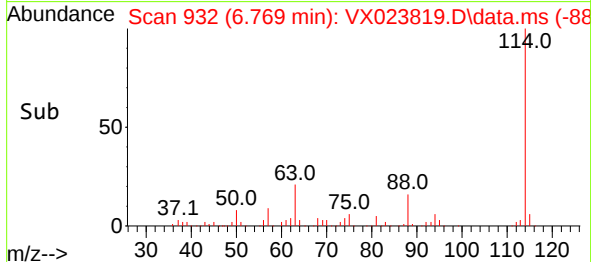
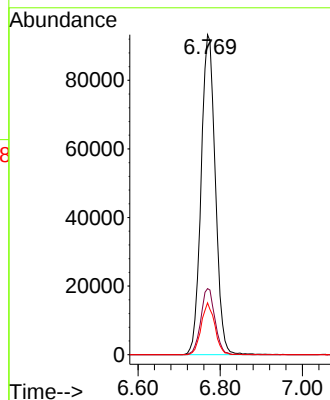
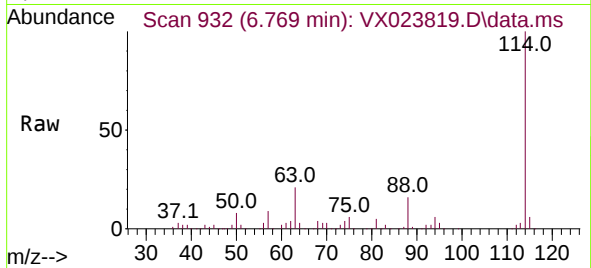




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023819.D
Acq: 18 Aug 2021 16:14

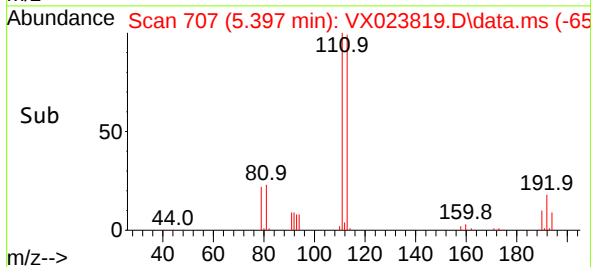
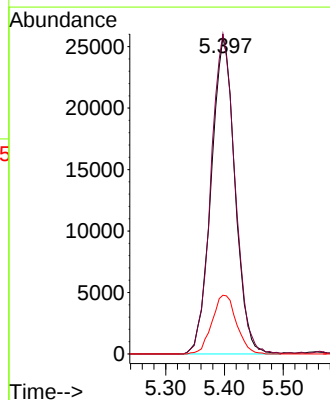
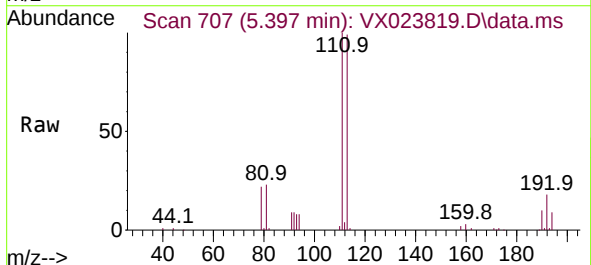
Instrument :
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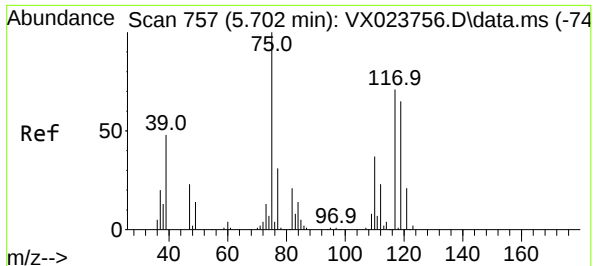
Tgt Ion:114 Resp: 223784
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.8
88 16.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.841 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023819.D
Acq: 18 Aug 2021 16:14

Tgt Ion:113 Resp: 72342
Ion Ratio Lower Upper
113 100
111 102.2 81.9 122.9
192 19.1 16.7 25.1

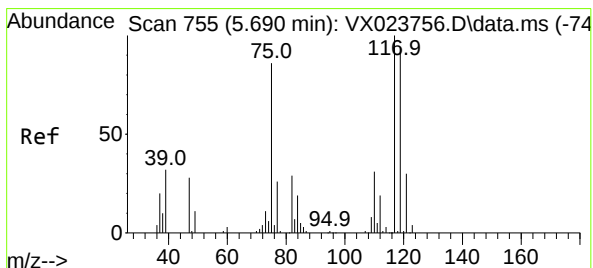
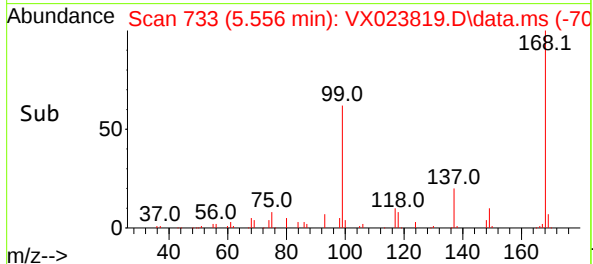
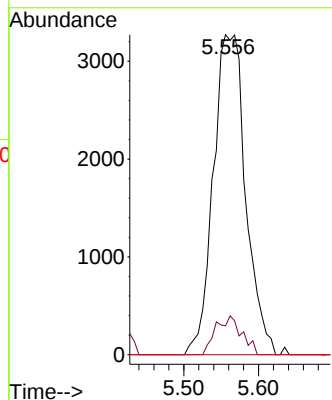
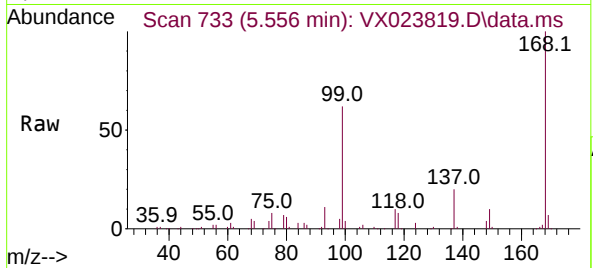




#36
1,1-Dichloropropene
Concen: 4.762 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX023819.D
Acq: 18 Aug 2021 16:14

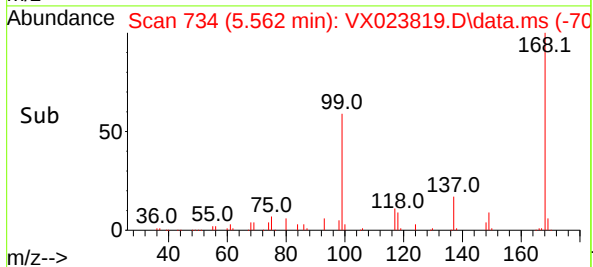
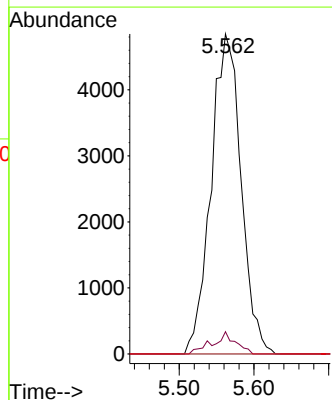
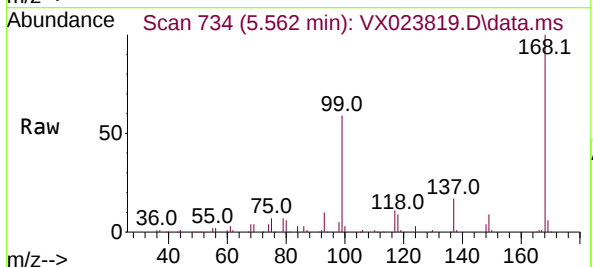
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#04

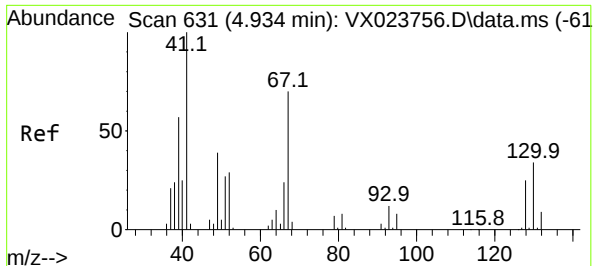
Tgt Ion: 75 Resp: 9868
Ion Ratio Lower Upper
75 100
110 9.7 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.258 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023819.D
Acq: 18 Aug 2021 16:14

Tgt Ion: 117 Resp: 13524
Ion Ratio Lower Upper
117 100
119 7.0 76.2 114.2#
121 0.0 24.8 37.2#



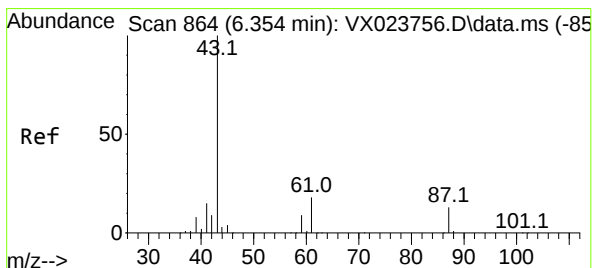
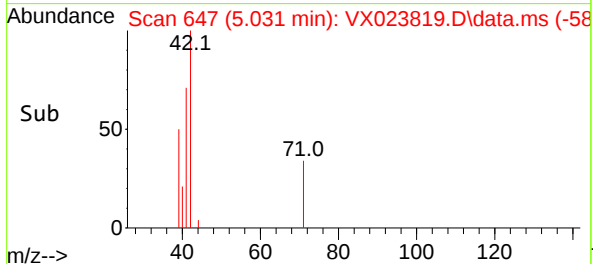
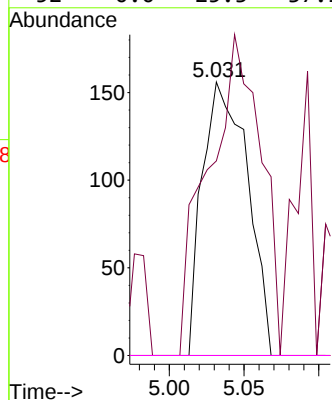
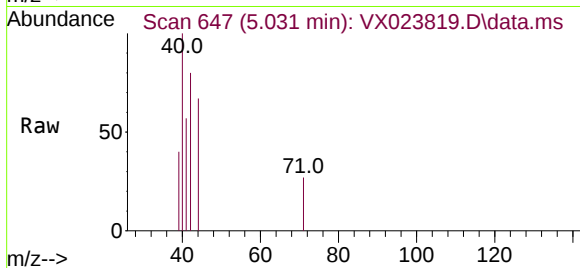


#41
Methacrylonitrile
Concen: 0.237 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.097 min
Lab File: VX023819.D
Acq: 18 Aug 2021 16:14

Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#04

Tgt Ion: 41 Resp: 327

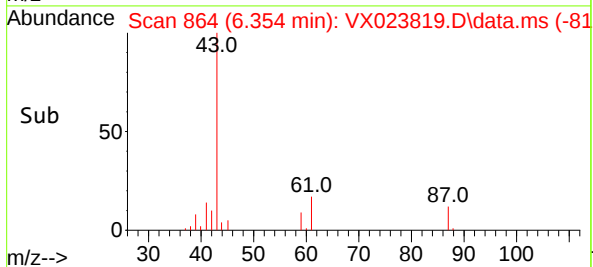
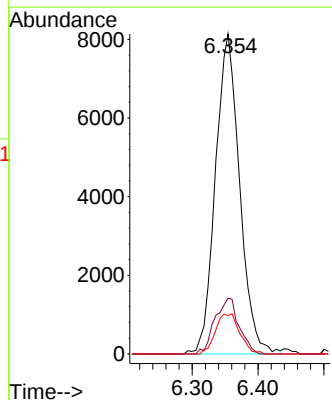
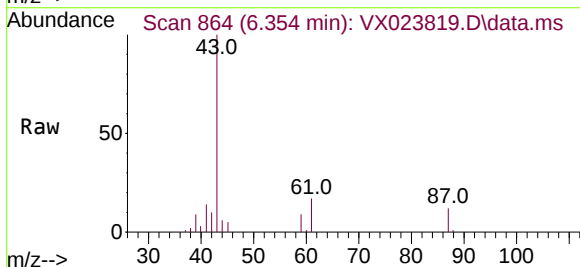
Ion	Ratio	Lower	Upper
41	100		
39	137.6	42.5	63.7#
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#

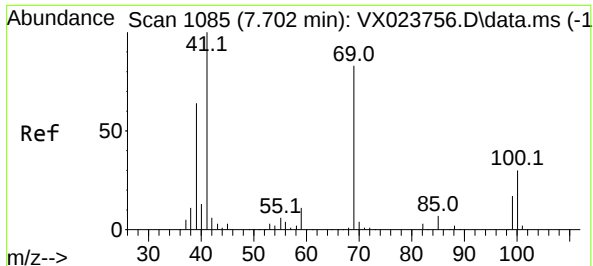


#43
Isopropyl Acetate
Concen: 5.237 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.000 min
Lab File: VX023819.D
Acq: 18 Aug 2021 16:14

Tgt Ion: 43 Resp: 20866

Ion	Ratio	Lower	Upper
43	100		
61	17.3	18.2	27.4#
87	12.5	12.5	18.7





#48

Methyl methacrylate

Concen: 62.134 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.103 min

Lab File: VX023819.D

Acq: 18 Aug 2021 16:14

Tgt Ion: 41 Resp: 120778

Ion Ratio Lower Upper

41 100

69 0.2 76.0 114.0#

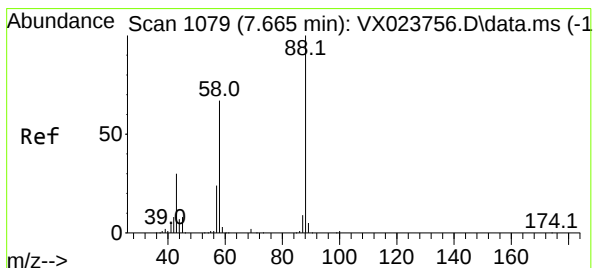
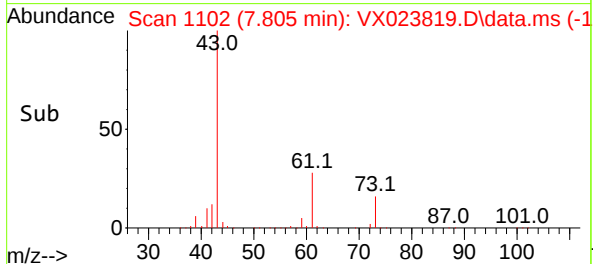
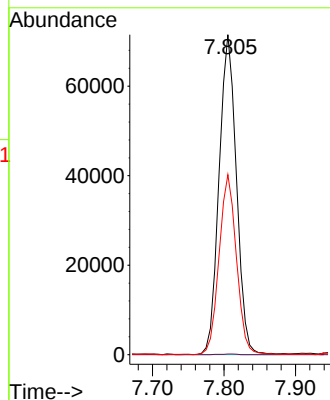
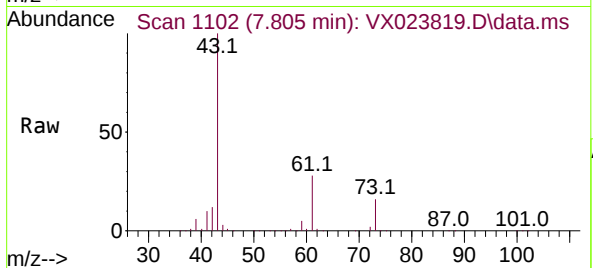
39 56.2 44.6 67.0

Instrument :

MSVOA_X

ClientSampleId :

PB138522ZHE#04



#49

1,4-Dioxane

Concen: 5.818 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.140 min

Lab File: VX023819.D

Acq: 18 Aug 2021 16:14

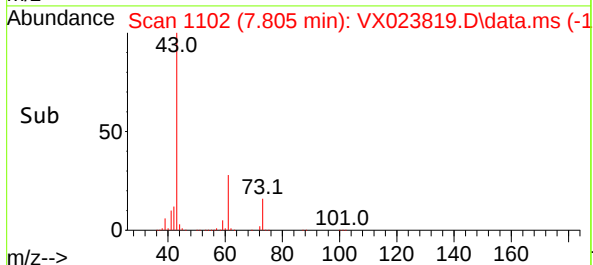
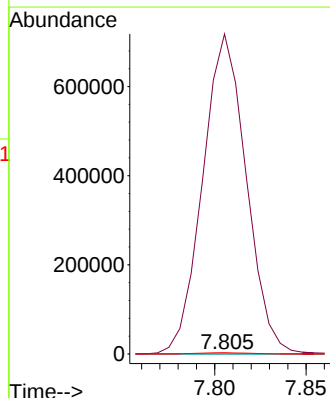
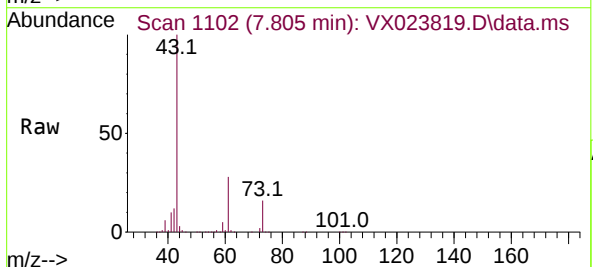
Tgt Ion: 88 Resp: 239

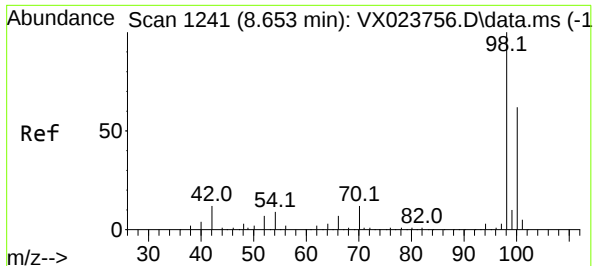
Ion Ratio Lower Upper

88 100

43 500355.6 23.2 34.8#

58 2264.4 55.0 82.4#





#50

Toluene-d8

Concen: 49.692 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX023819.D

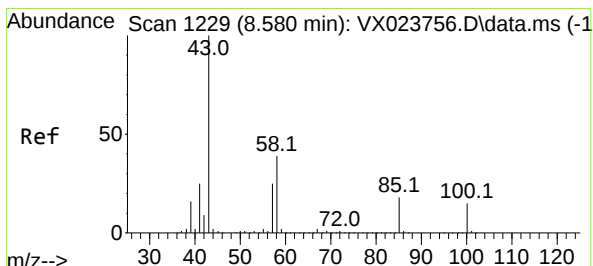
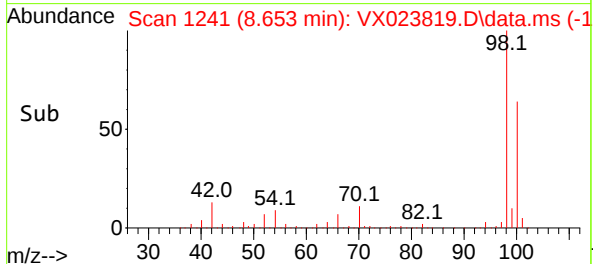
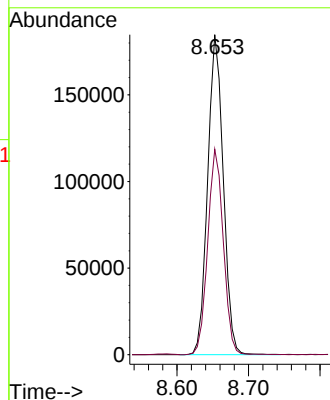
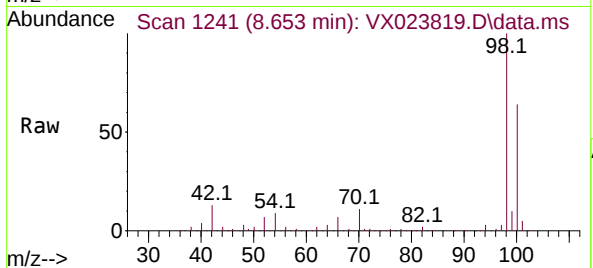
Acq: 18 Aug 2021 16:14

Tgt Ion: 98 Resp: 280136

Ion Ratio Lower Upper

98 100

100 64.3 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 29.555 ug/l

RT: 8.555 min Scan# 1225

Delta R.T. -0.025 min

Lab File: VX023819.D

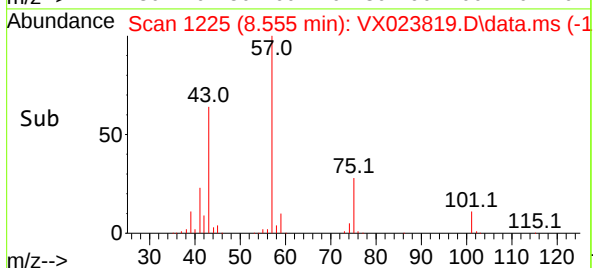
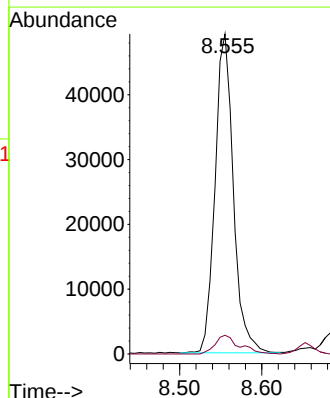
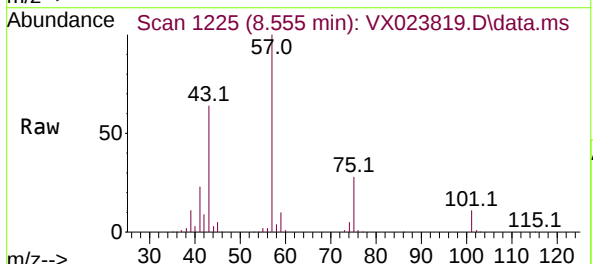
Acq: 18 Aug 2021 16:14

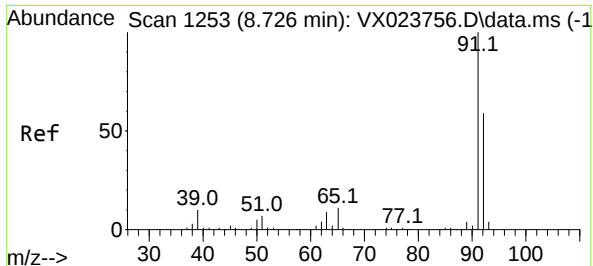
Tgt Ion: 43 Resp: 76127

Ion Ratio Lower Upper

43 100

58 7.8 35.4 53.0#

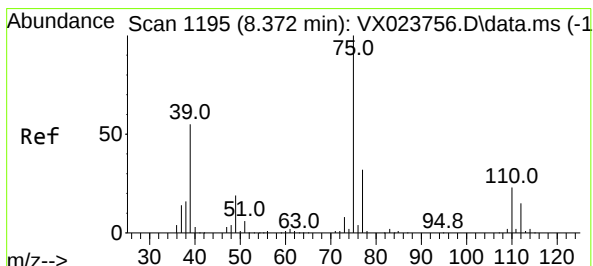
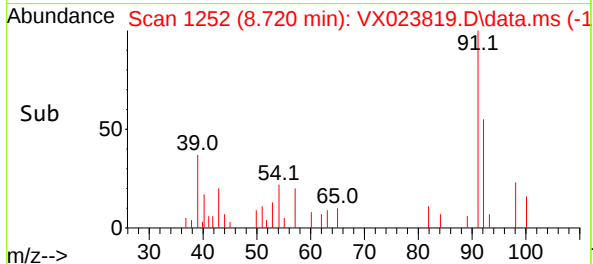
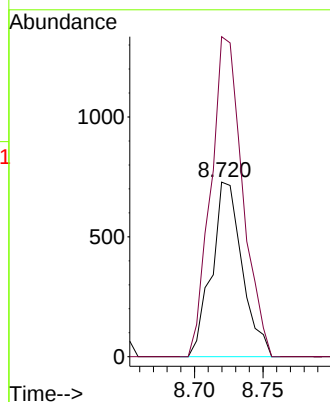
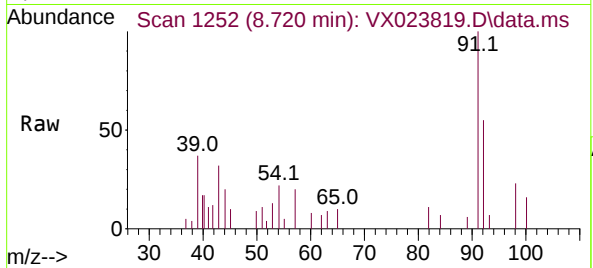




#52
Toluene
Concen: 0.284 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.006 min
Lab File: VX023819.D
Acq: 18 Aug 2021 16:14

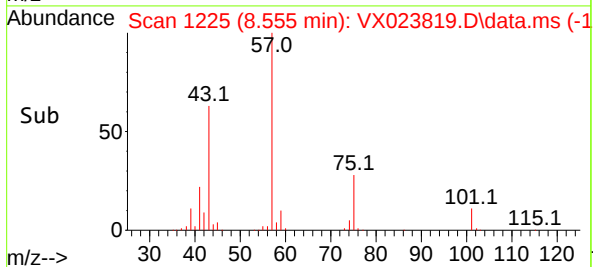
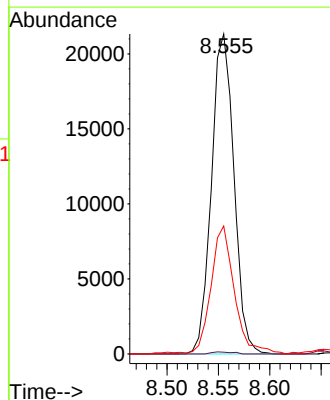
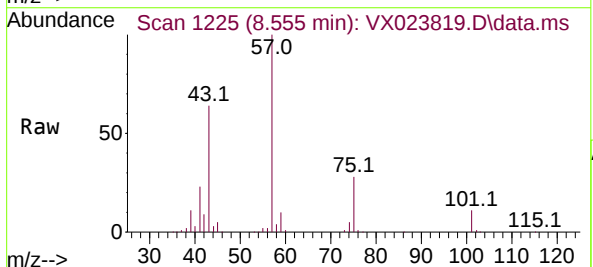
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#04

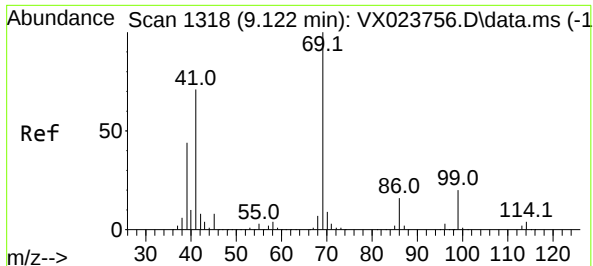
Tgt Ion: 92 Resp: 1126
Ion Ratio Lower Upper
92 100
91 191.6 137.1 205.7



#54
cis-1,3-Dichloropropene
Concen: 13.058 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023819.D
Acq: 18 Aug 2021 16:14

Tgt Ion: 75 Resp: 32413
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 39.5 35.1 52.7





#56

Ethyl methacrylate

Concen: 0.798 ug/l

RT: 9.000 min Scan# 1298

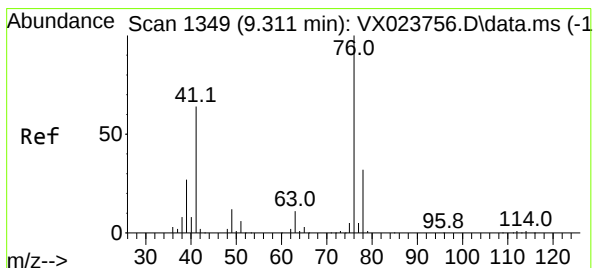
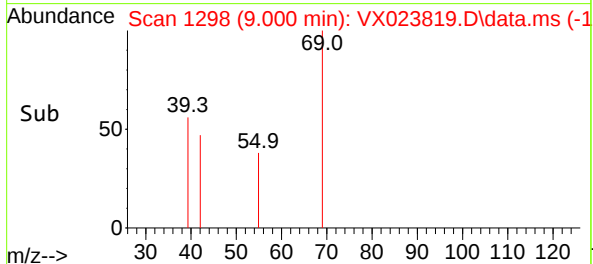
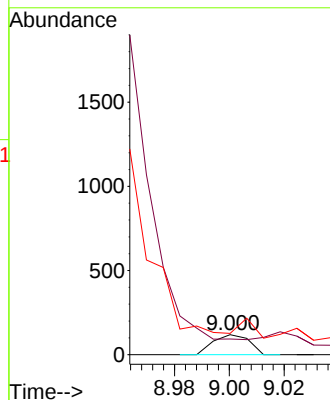
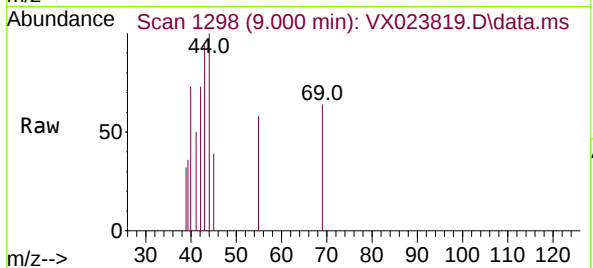
Delta R.T. -0.122 min

Lab File: VX023819.D

Acq: 18 Aug 2021 16:14

Tgt Ion:	69	Resp:	109
Ion	Ratio	Lower	Upper
69	100		
41	0.0	46.8	70.2#
39	0.0	24.7	37.1#

Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#04



#57

1,3-Dichloropropane

Concen: 7.852 ug/l

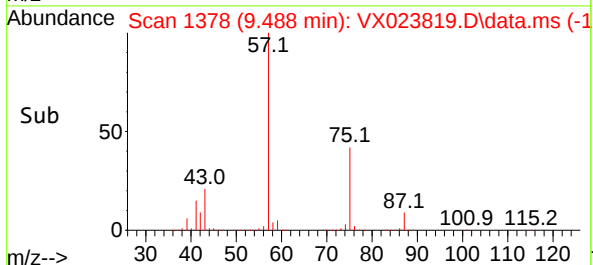
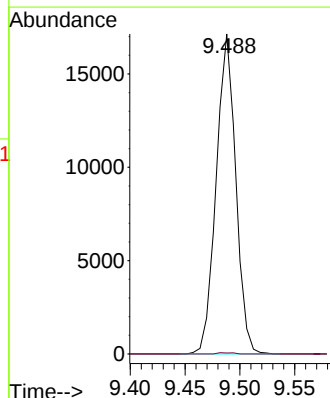
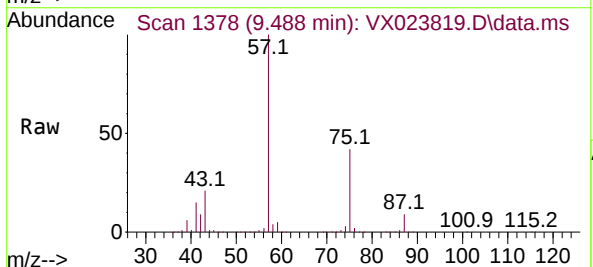
RT: 9.488 min Scan# 1378

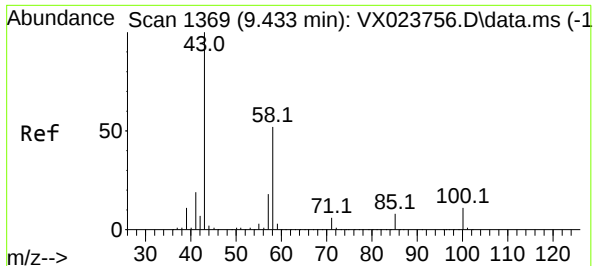
Delta R.T. 0.177 min

Lab File: VX023819.D

Acq: 18 Aug 2021 16:14

Tgt Ion:	76	Resp:	21290
Ion	Ratio	Lower	Upper
76	100		
78	0.3	26.2	39.2#

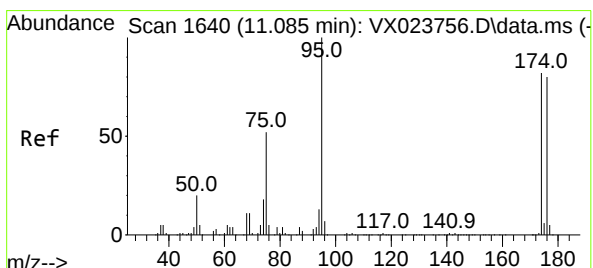
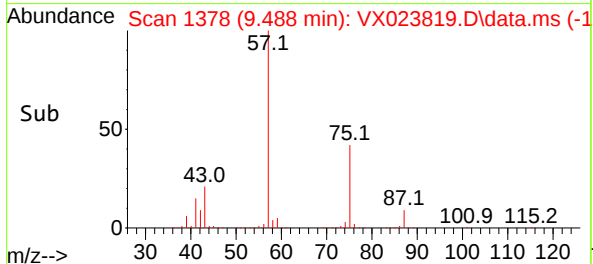
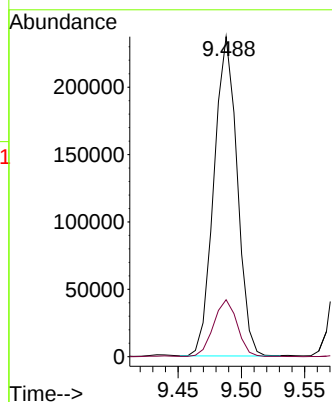
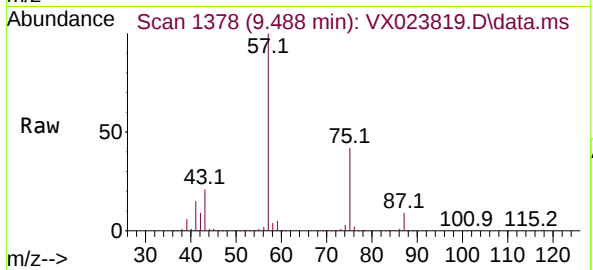




#59
2-Hexanone
Concen: 152.791 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023819.D
Acq: 18 Aug 2021 16:14

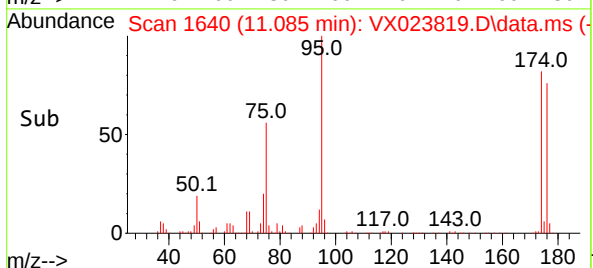
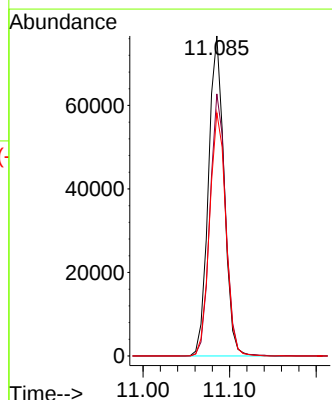
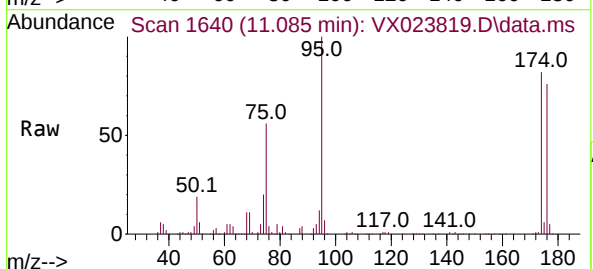
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#04

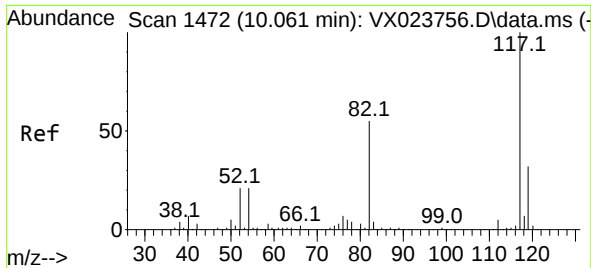
Tgt Ion: 43 Resp: 302515
Ion Ratio Lower Upper
43 100
58 18.4 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 46.401 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023819.D
Acq: 18 Aug 2021 16:14

Tgt Ion: 95 Resp: 96296
Ion Ratio Lower Upper
95 100
174 82.1 0.0 154.6
176 78.6 0.0 155.8

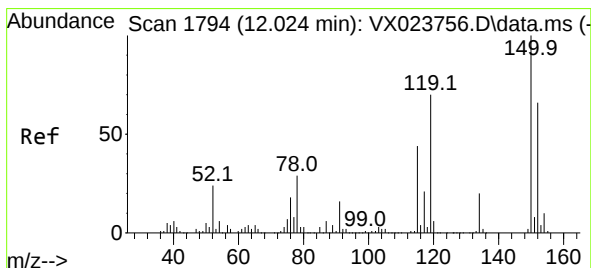
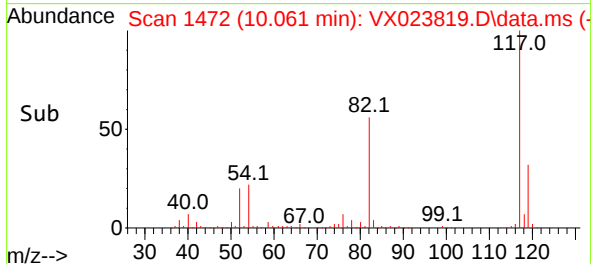
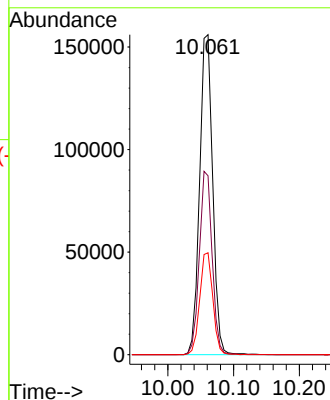
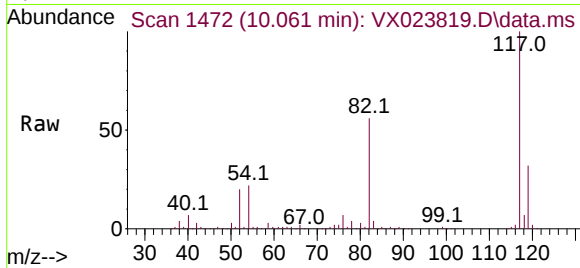




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX023819.D
Acq: 18 Aug 2021 16:14

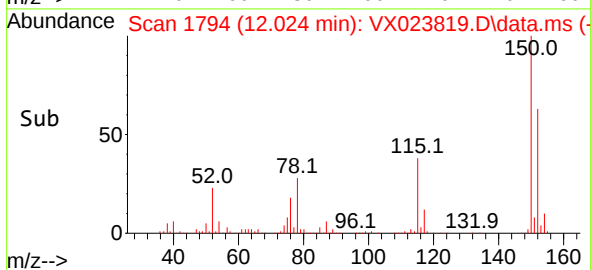
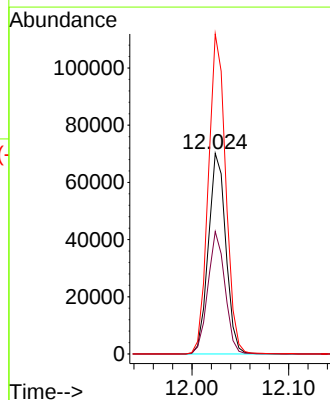
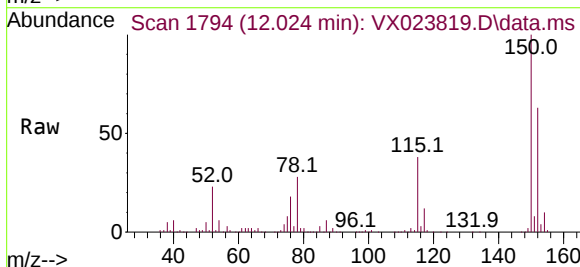
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#04

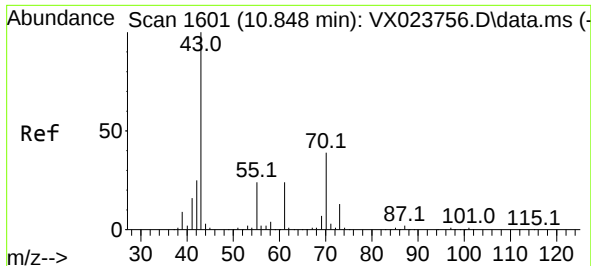
Tgt Ion:117 Resp: 215259
Ion Ratio Lower Upper
117 100
82 55.9 47.4 71.2
119 31.8 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023819.D
Acq: 18 Aug 2021 16:14

Tgt Ion:152 Resp: 87887
Ion Ratio Lower Upper
152 100
115 59.9 41.1 123.3
150 158.9 0.0 349.0

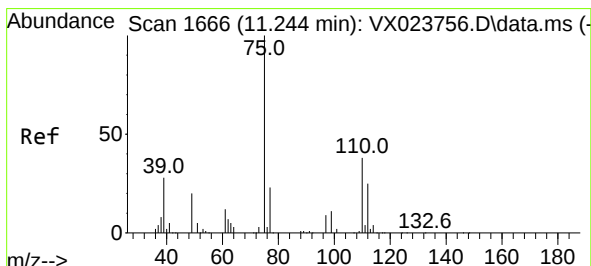
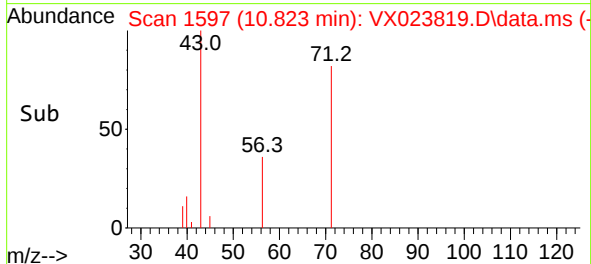
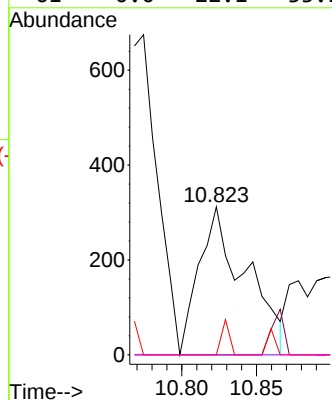
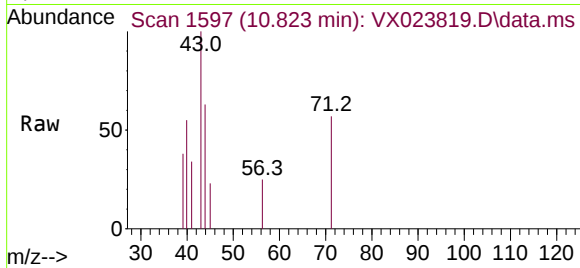




#74
N-amy1 acetate
Concen: 0.224 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.025 min
Lab File: VX023819.D
Acq: 18 Aug 2021 16:14

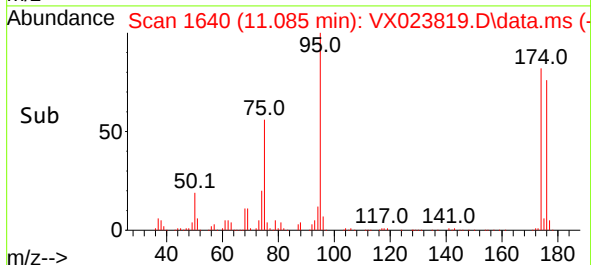
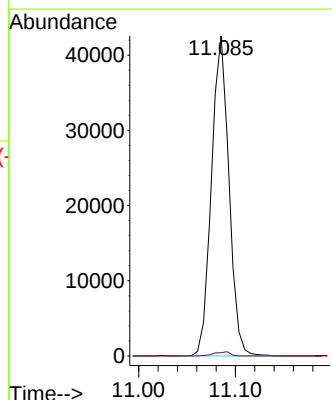
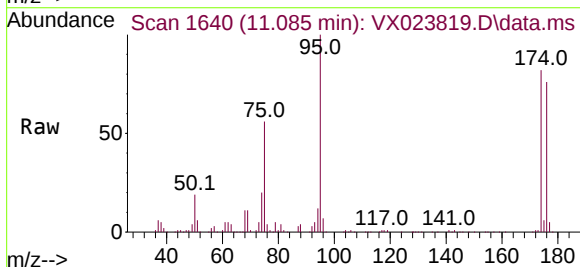
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#04

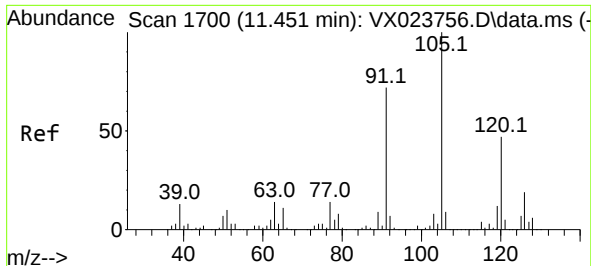
Tgt Ion: 43	Resp: 680
Ion Ratio	Lower Upper
43 100	
70 0.0	39.0 58.6#
55 4.0	21.5 32.3#
61 0.0	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 26.081 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023819.D
Acq: 18 Aug 2021 16:14

Tgt Ion: 75	Resp: 53470
Ion Ratio	Lower Upper
75 100	
77 1.2	19.1 57.5#

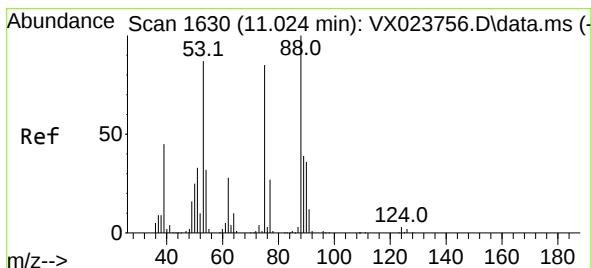
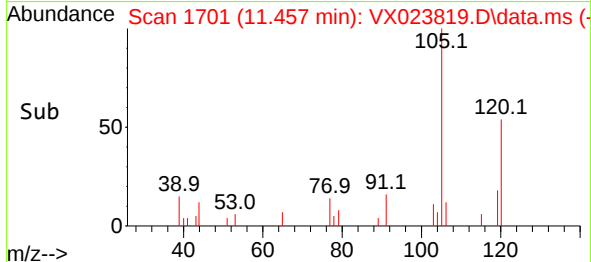
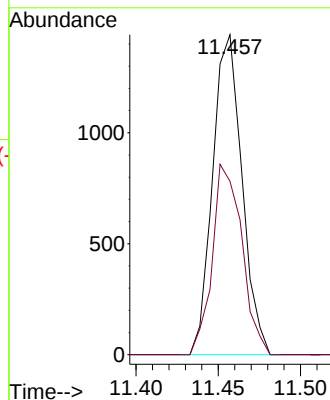
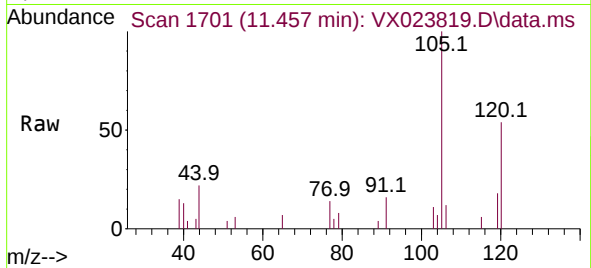




#80
1,3,5-Trimethylbenzene
Concen: 0.325 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX023819.D
Acq: 18 Aug 2021 16:14

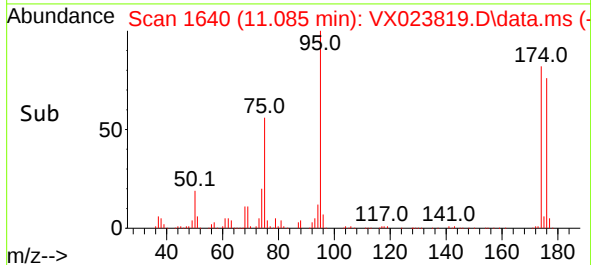
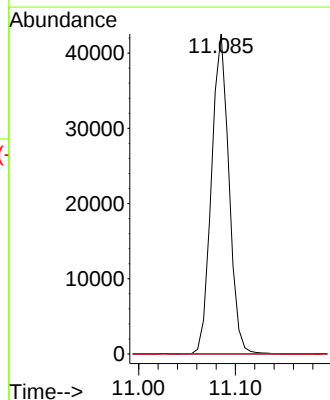
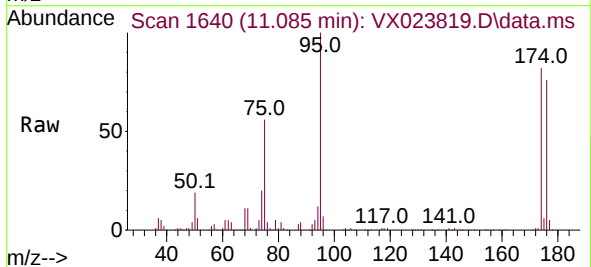
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#04

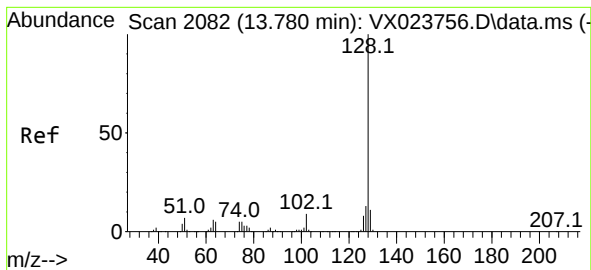
Tgt Ion:105 Resp: 1789
Ion Ratio Lower Upper
105 100
120 60.0 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 76.718 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023819.D
Acq: 18 Aug 2021 16:14

Tgt Ion: 75 Resp: 53470
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.295 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX023819.D
Acq: 18 Aug 2021 16:14

Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#04

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.8	13.2#

