

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092722\
 Data File : VX031697.D
 Acq On : 27 Sep 2022 12:50
 Operator : JC/MD
 Sample : N4809-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP3-0923

Quant Time: Sep 28 06:30:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 01:44:18 2022
 Response via : Initial Calibration

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

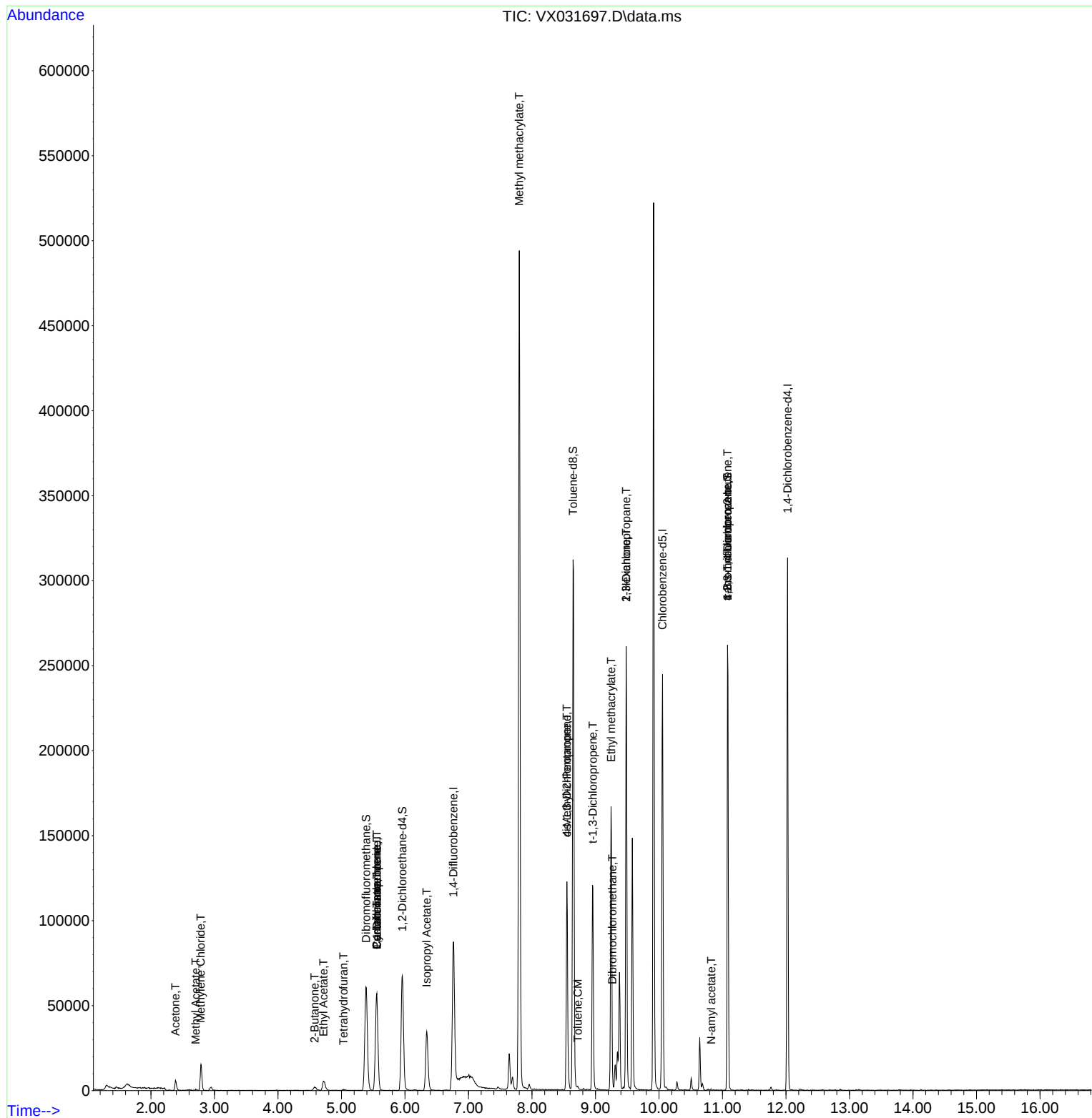
Internal Standards						
1) Pentafluorobenzene	5.556	168	53395	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	87853	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	105668	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	63202	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	64604	57.007	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.020%			
35) Dibromofluoromethane	5.385	113	51338	49.043	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.080%			
50) Toluene-d8	8.647	98	187299	49.354	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.700%			
62) 4-Bromofluorobenzene	11.079	95	65650	47.198	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.400%			
Target Compounds					Qvalue	
3) Chloromethane	1.288	50	98	Below Cal	#	41
5) Bromomethane	1.612	94	483	Below Cal	#	77
6) Chloroethane	1.746	64	62	Below Cal	#	43
11) Tert butyl alcohol	3.002	59	70	Below Cal	#	73
16) Acetone	2.386	43	7050	8.504	ug/l	99
17) Carbon Disulfide	2.502	76	131	Below Cal	#	75
18) Methyl Acetate	2.703	43	1070	1.051	ug/l	# 86
20) Methylene Chloride	2.782	84	6681	7.897	ug/l	88
25) 2-Butanone	4.574	43	1205	2.228	ug/l	# 54
29) Tetrahydrofuran	5.032	42	598	1.760	ug/l	# 46
31) Cyclohexane	5.556	56	1300	1.206	ug/l	# 14
36) 1,1-Dichloropropene	5.556	75	4251	3.536	ug/l	# 46
37) Ethyl Acetate	4.715	43	10079	8.312	ug/l	97
38) Carbon Tetrachloride	5.556	117	5444	4.018	ug/l	# 13
43) Isopropyl Acetate	6.342	43	46581	24.408	ug/l	98
48) Methyl methacrylate	7.799	41	42641	50.805	ug/l	# 47
51) 4-Methyl-2-Pentanone	8.549	43	39555	32.744	ug/l	# 51
52) Toluene	8.720	92	502	0.204	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	267	2.056	ug/l	# 44
54) cis-1,3-Dichloropropene	8.549	75	19717	14.610	ug/l	# 61
56) Ethyl methacrylate	9.244	69	533	0.393	ug/l	# 1
57) 1,3-Dichloropropane	9.482	76	2192	1.306	ug/l	# 43
59) 2-Hexanone	9.482	43	27914	30.971	ug/l	# 54
60) Dibromochloromethane	9.263	129	25	1.560	ug/l	# 11
74) N-amyl acetate	10.823	43	426	0.321	ug/l	# 43
76) 1,2,3-Trichloropropane	11.079	75	35836	31.277	ug/l	# 37
81) trans-1,4-Dichloro-2-b...	11.079	75	35836	102.960	ug/l	# 11

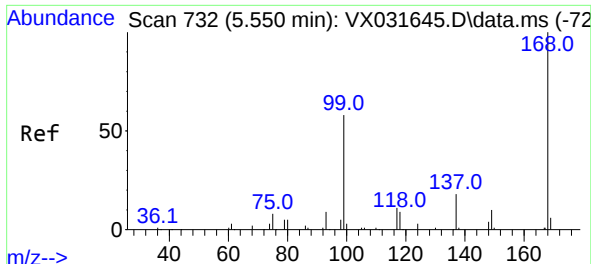
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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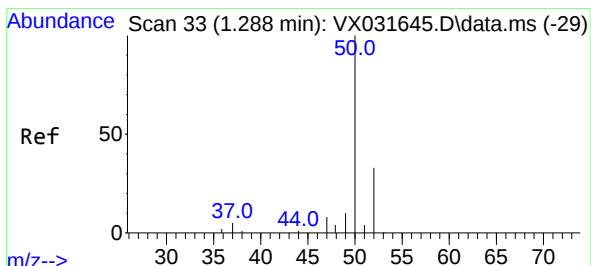
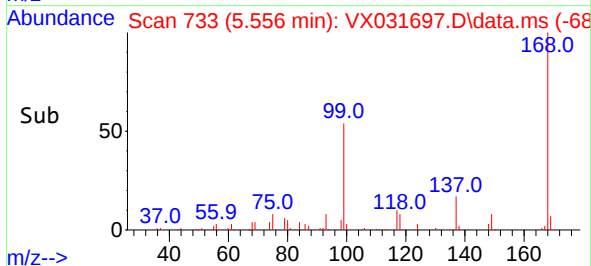
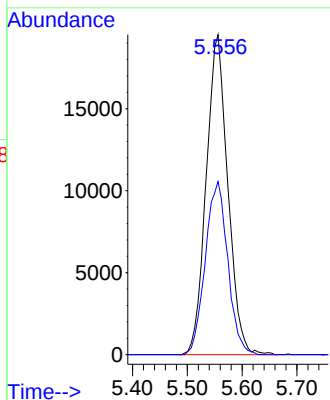
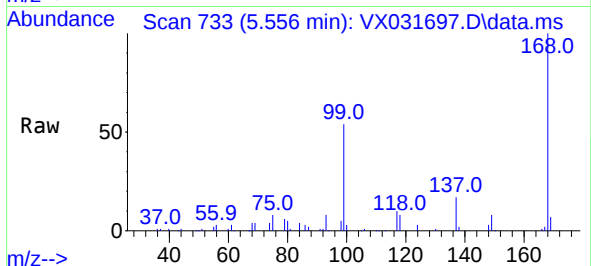




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031697.D
Acq: 27 Sep 2022 12:50

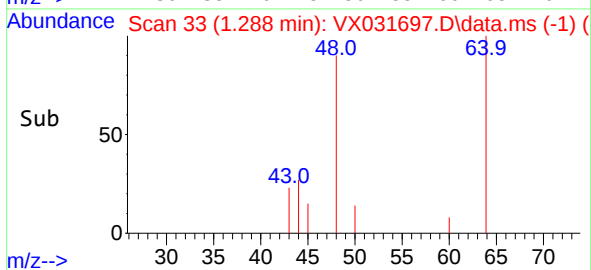
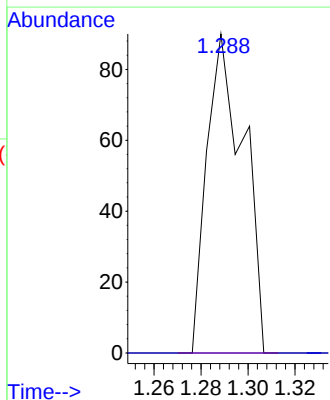
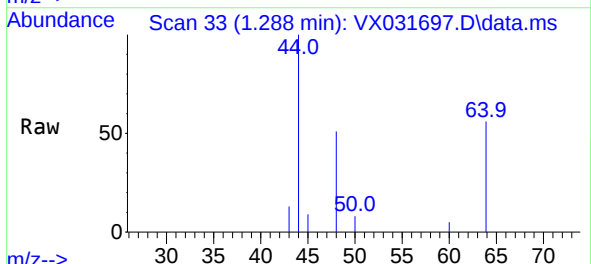
Instrument :
MSVOA_X
ClientSampleId :
TP3-0923

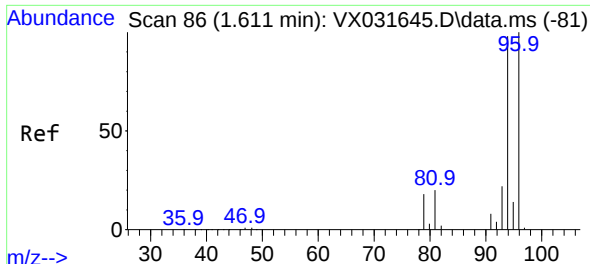
Tgt Ion:168 Resp: 53395
Ion Ratio Lower Upper
168 100
99 54.1 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031697.D
Acq: 27 Sep 2022 12:50

Tgt Ion: 50 Resp: 98
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

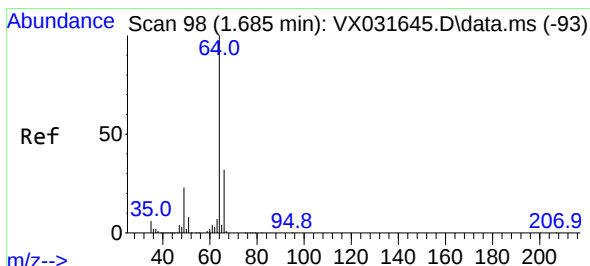
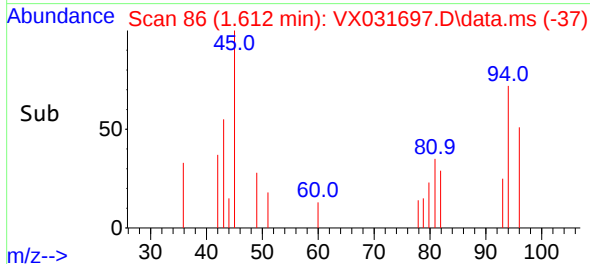
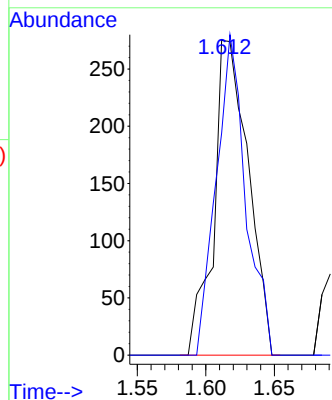
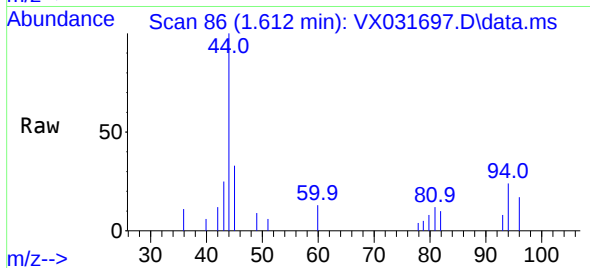




#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 80
Delta R.T. 0.001 min
Lab File: VX031697.D
Acq: 27 Sep 2022 12:50

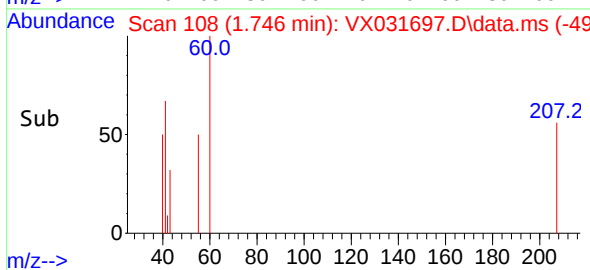
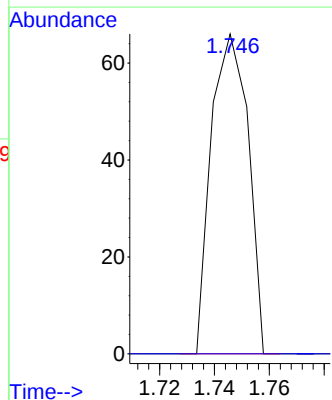
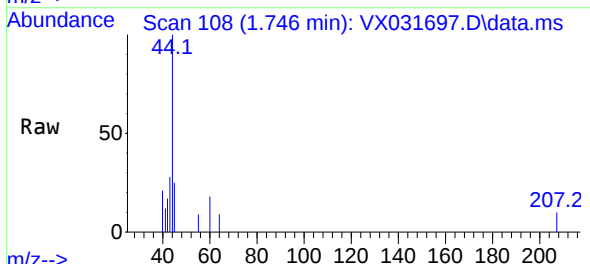
Instrument :
MSVOA_X
ClientSampleId :
TP3-0923

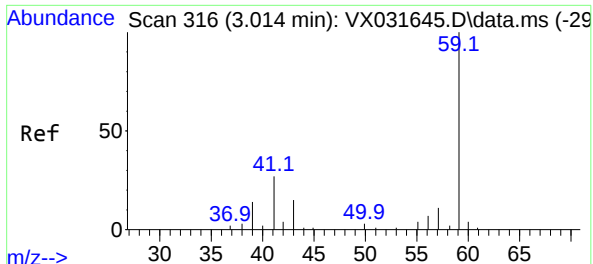
Tgt Ion: 94 Resp: 483
Ion Ratio Lower Upper
94 100
96 70.5 74.4 111.6#



#6
Chloroethane
Concen: Below Cal
RT: 1.746 min Scan# 108
Delta R.T. 0.061 min
Lab File: VX031697.D
Acq: 27 Sep 2022 12:50

Tgt Ion: 64 Resp: 62
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#

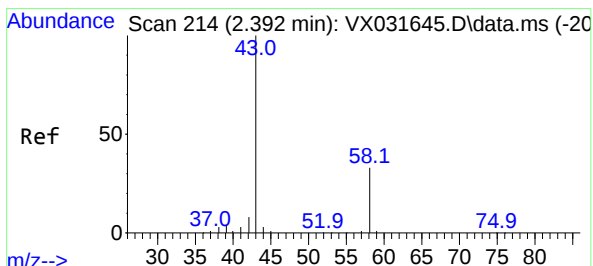
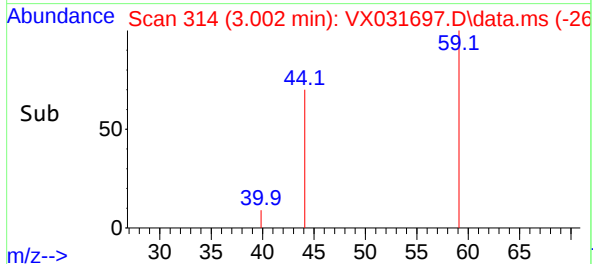
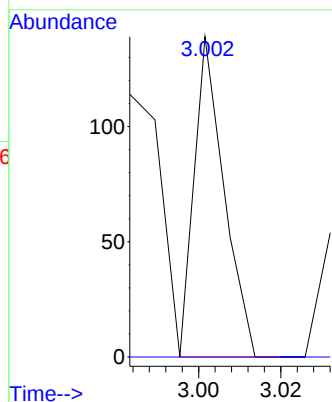
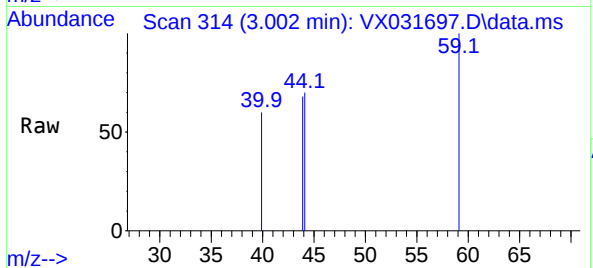




#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.002 min Scan# 31
Delta R.T. 0.013 min
Lab File: VX031697.D
Acq: 27 Sep 2022 12:50

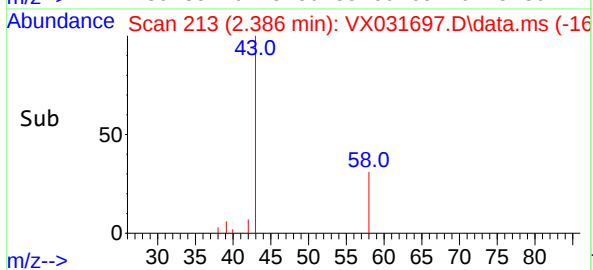
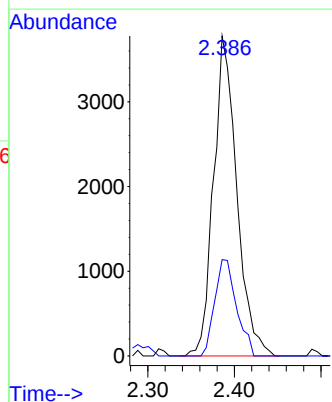
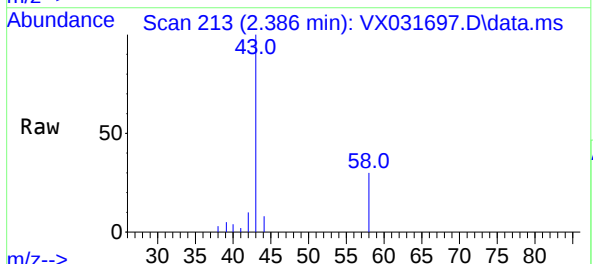
Instrument :
MSVOA_X
ClientSampleId :
TP3-0923

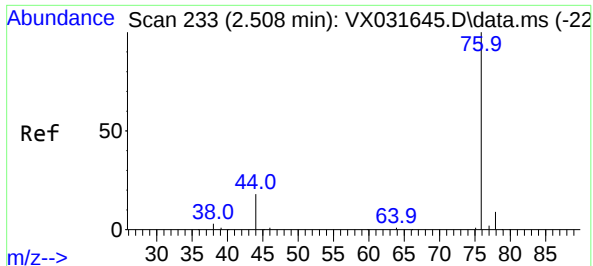
Tgt Ion: 59 Resp: 70
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 8.504 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX031697.D
Acq: 27 Sep 2022 12:50

Tgt Ion: 43 Resp: 7050
Ion Ratio Lower Upper
43 100
58 30.1 23.8 35.8

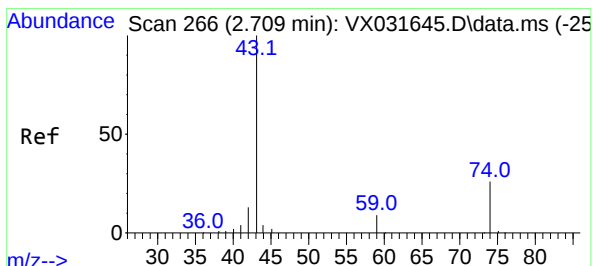
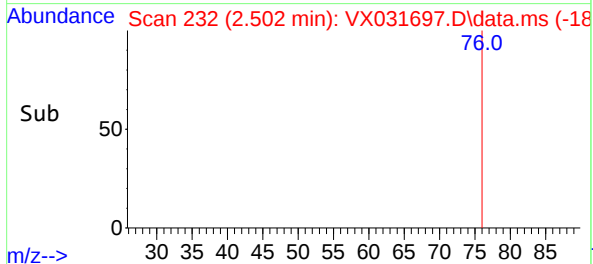
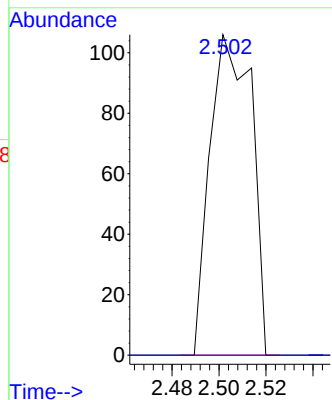
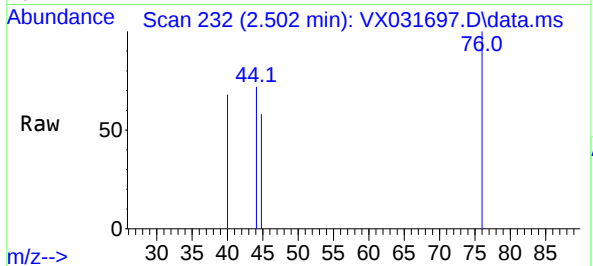




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.502 min Scan# 21
Delta R.T. -0.012 min
Lab File: VX031697.D
Acq: 27 Sep 2022 12:50

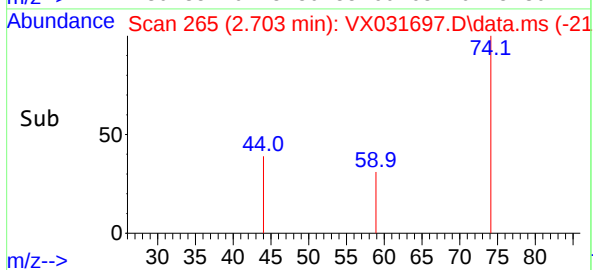
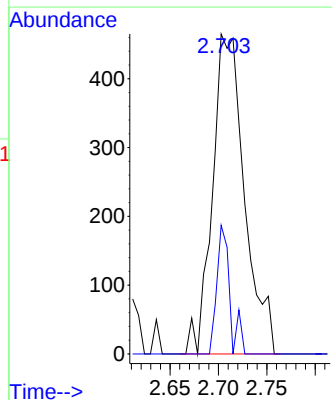
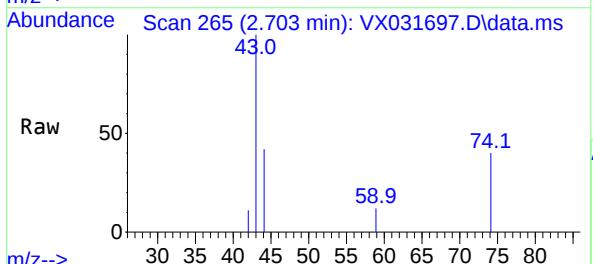
Instrument :
MSVOA_X
ClientSampleId :
TP3-0923

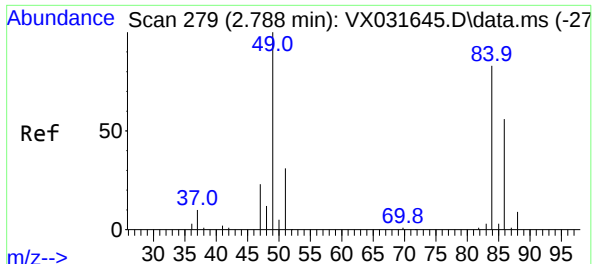
Tgt Ion: 76 Resp: 131
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 1.051 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX031697.D
Acq: 27 Sep 2022 12:50

Tgt Ion: 43 Resp: 1070
Ion Ratio Lower Upper
43 100
74 16.4 18.6 27.8#





#20

Methylene Chloride

Concen: 7.897 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX031697.D

Acq: 27 Sep 2022 12:50

Instrument :

MSVOA_X

ClientSampleId :

TP3-0923

Tgt Ion: 84 Resp: 6681

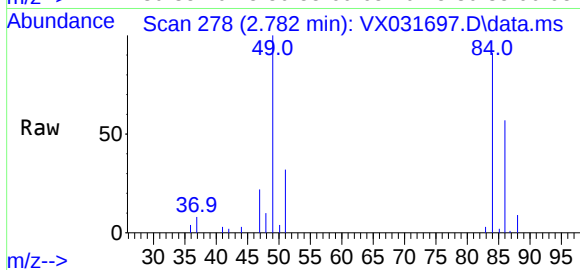
Ion Ratio Lower Upper

84 100

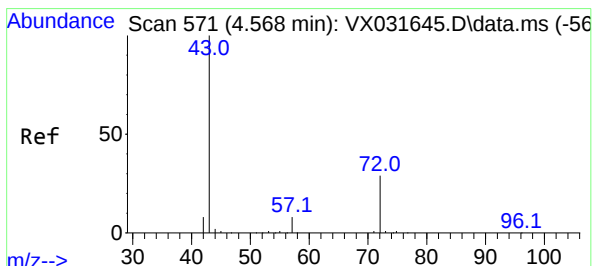
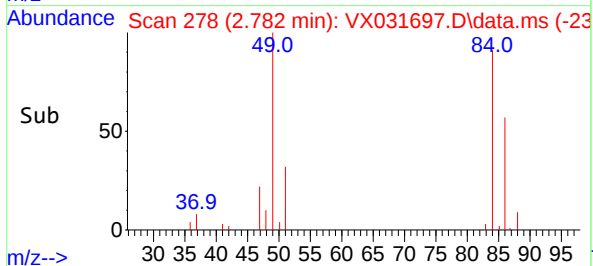
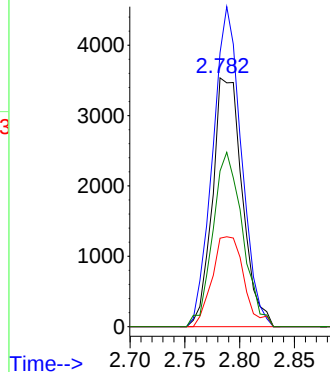
49 110.1 105.9 158.9

51 35.6 32.2 48.2

86 62.6 50.8 76.2



Abundance



#25

2-Butanone

Concen: 2.228 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.012 min

Lab File: VX031697.D

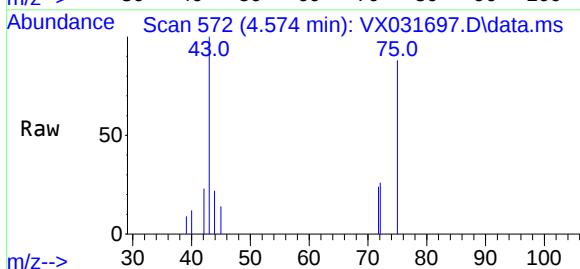
Acq: 27 Sep 2022 12:50

Tgt Ion: 43 Resp: 1205

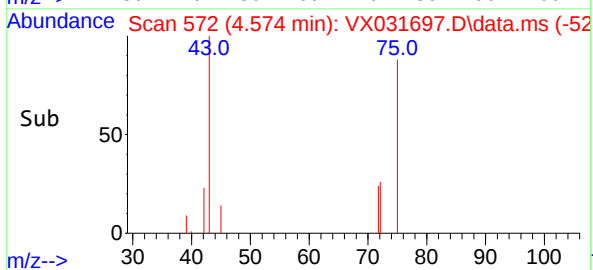
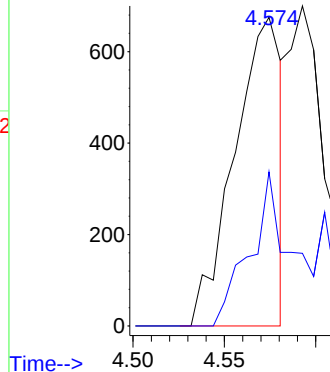
Ion Ratio Lower Upper

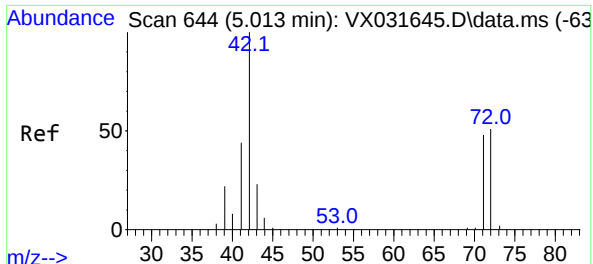
43 100

72 49.9 21.1 31.7#



Abundance





#29

Tetrahydrofuran

Concen: 1.760 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.019 min

Lab File: VX031697.D

Acq: 27 Sep 2022 12:50

Instrument :

MSVOA_X

ClientSampleId :

TP3-0923

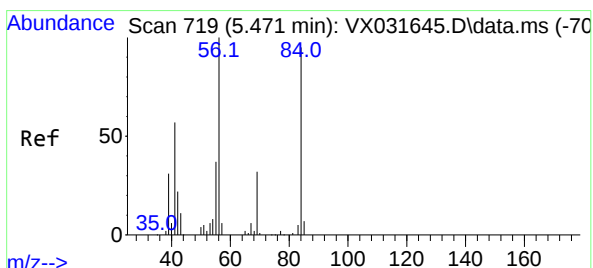
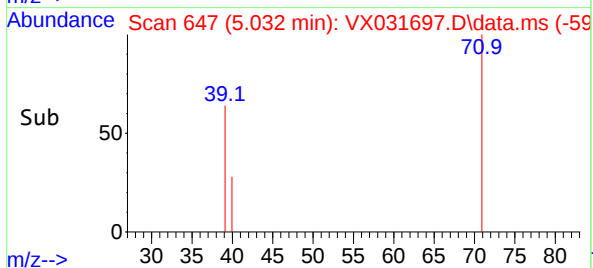
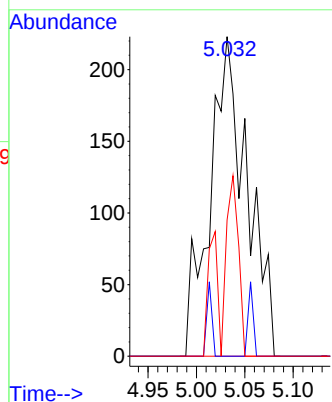
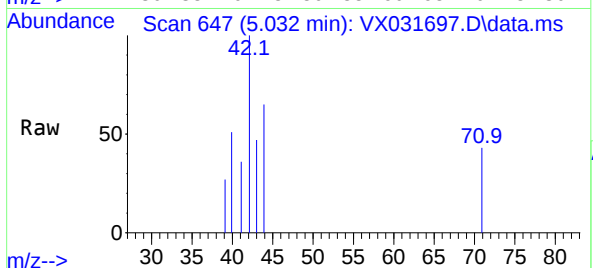
Tgt Ion: 42 Resp: 598

Ion Ratio Lower Upper

42 100

72 0.0 36.4 54.6#

71 18.2 33.5 50.3#



#31

Cyclohexane

Concen: 1.206 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX031697.D

Acq: 27 Sep 2022 12:50

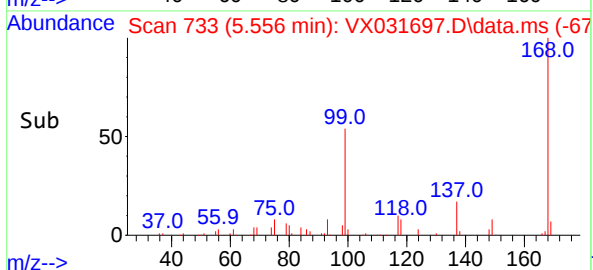
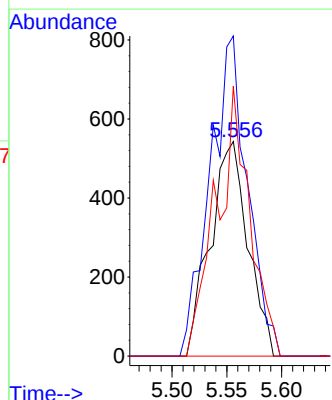
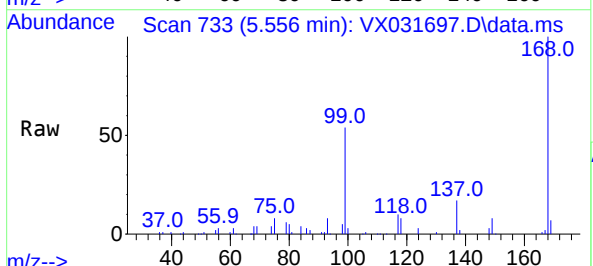
Tgt Ion: 56 Resp: 1300

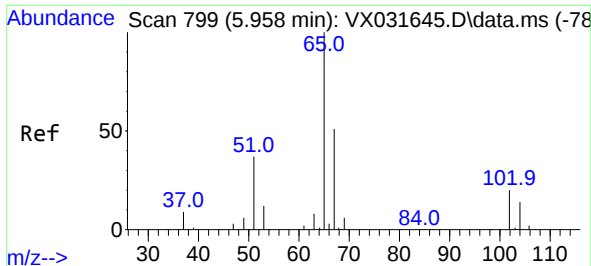
Ion Ratio Lower Upper

56 100

69 149.2 25.1 37.7#

84 125.8 70.2 105.4#

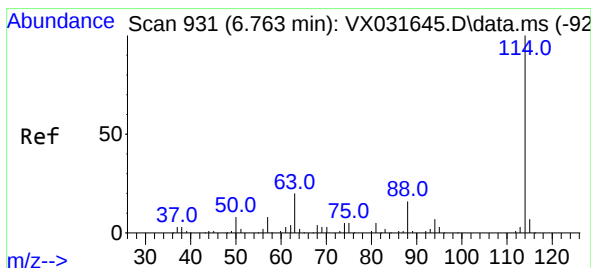
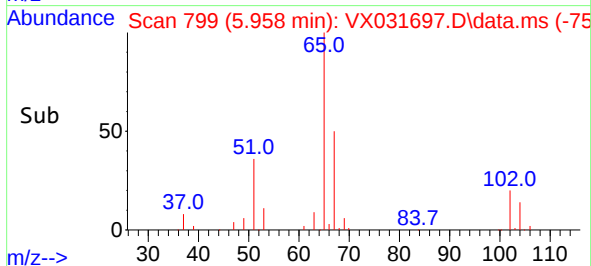
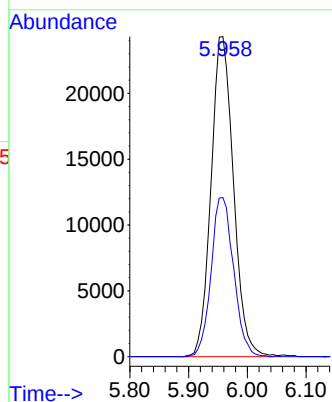
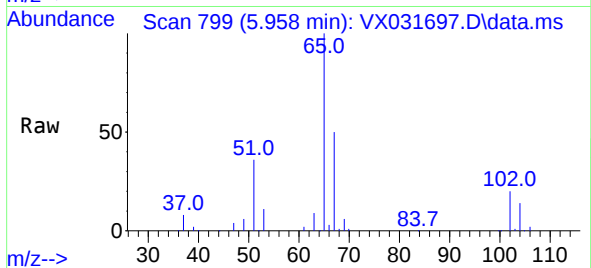




#33
 1,2-Dichloroethane-d4
 Concen: 57.007 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX031697.D
 Acq: 27 Sep 2022 12:50

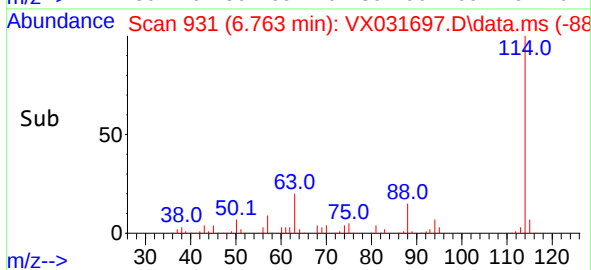
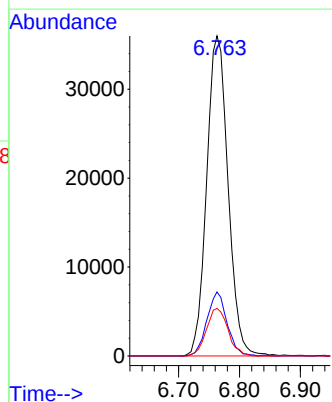
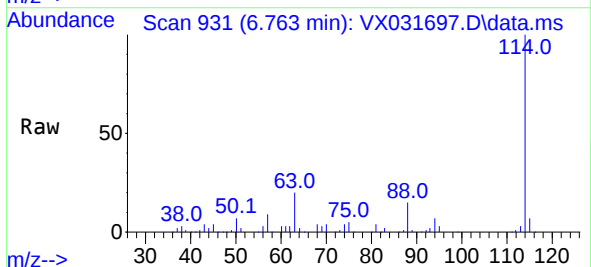
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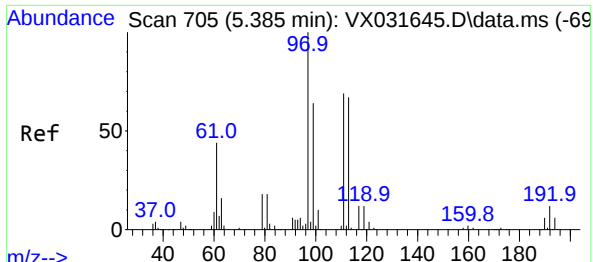
Tgt Ion: 65 Resp: 64604
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX031697.D
 Acq: 27 Sep 2022 12:50

Tgt Ion: 114 Resp: 87853
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 42.6
 88 14.8 0.0 33.0

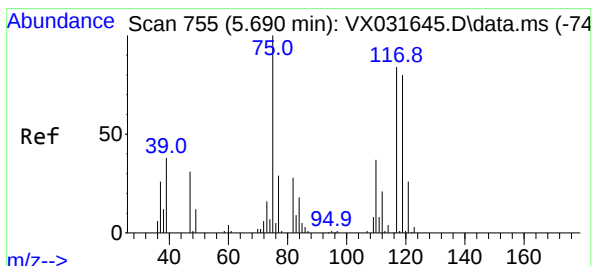
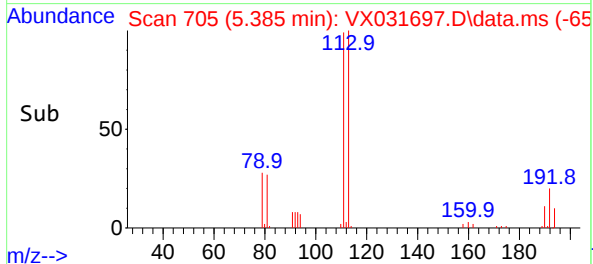
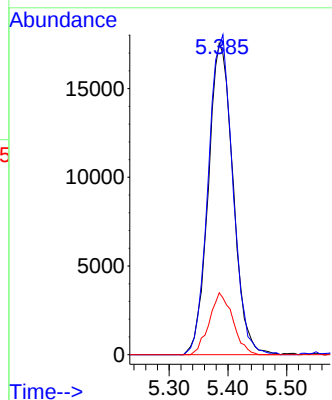
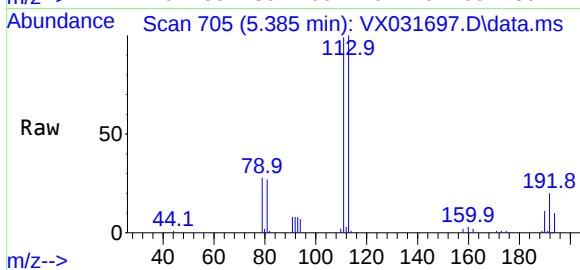




#35
Dibromofluoromethane
Concen: 49.043 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX031697.D
Acq: 27 Sep 2022 12:50

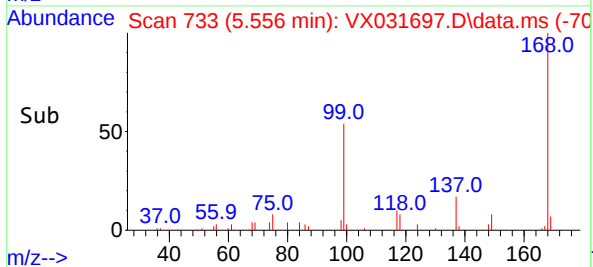
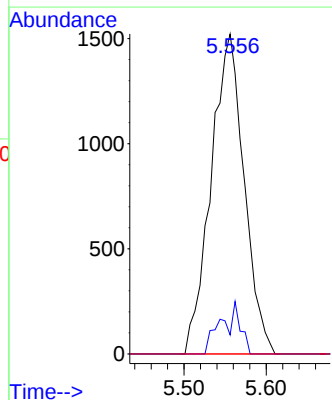
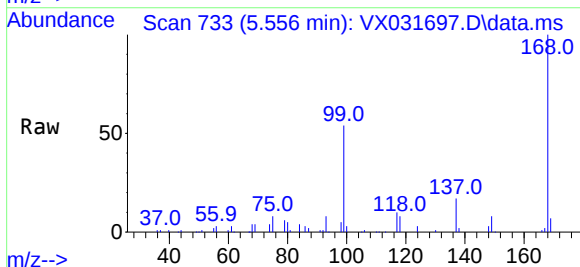
Instrument :
MSVOA_X
ClientSampleId :
TP3-0923

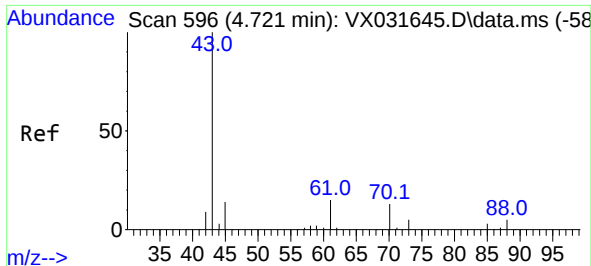
Tgt Ion:113 Resp: 51338
Ion Ratio Lower Upper
113 100
111 101.8 82.4 123.6
192 18.9 14.1 21.1



#36
1,1-Dichloropropene
Concen: 3.536 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX031697.D
Acq: 27 Sep 2022 12:50

Tgt Ion: 75 Resp: 4251
Ion Ratio Lower Upper
75 100
110 5.5 17.5 52.5#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 8.312 ug/l

RT: 4.715 min Scan# 596

Delta R.T. -0.006 min

Lab File: VX031697.D

Acq: 27 Sep 2022 12:50

Instrument :

MSVOA_X

ClientSampleId :

TP3-0923

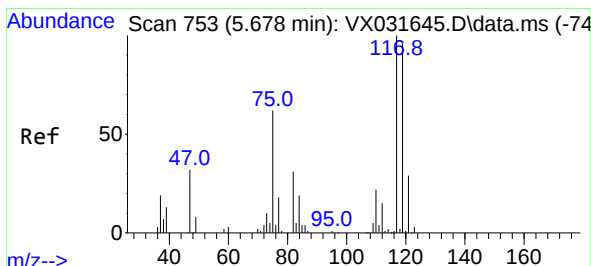
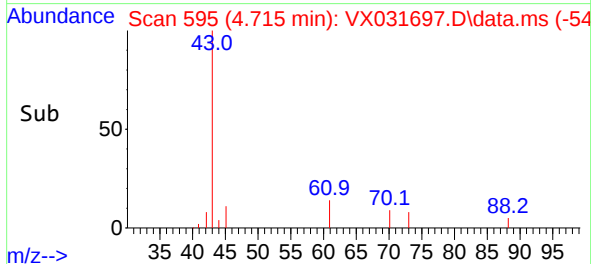
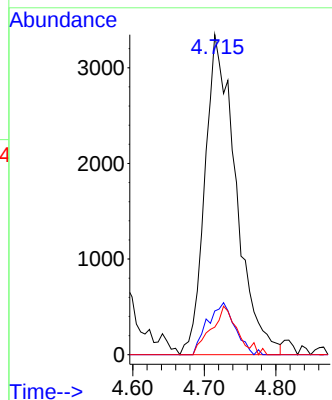
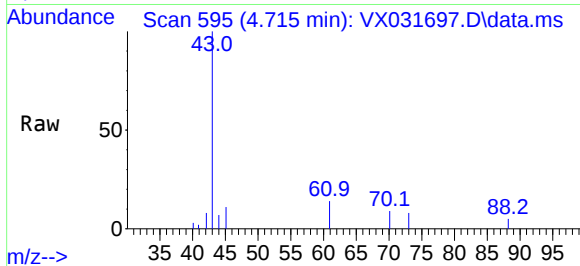
Tgt Ion: 43 Resp: 10079

Ion Ratio Lower Upper

43 100

61 14.4 11.1 16.7

70 12.7 8.6 13.0



#38

Carbon Tetrachloride

Concen: 4.018 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX031697.D

Acq: 27 Sep 2022 12:50

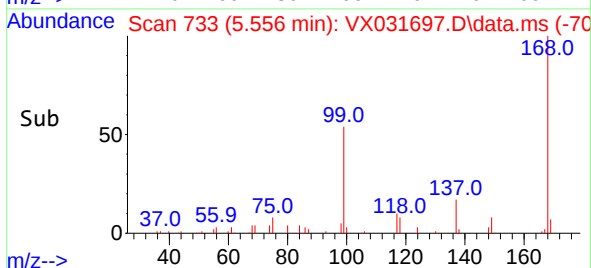
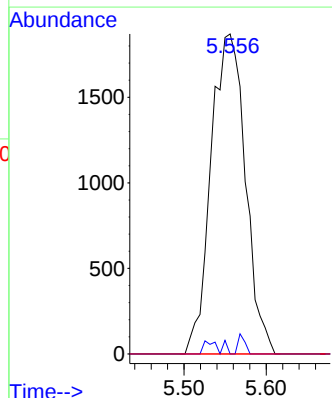
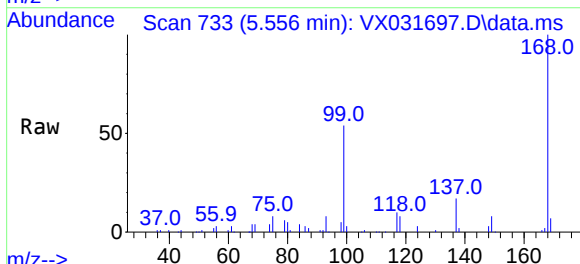
Tgt Ion: 117 Resp: 5444

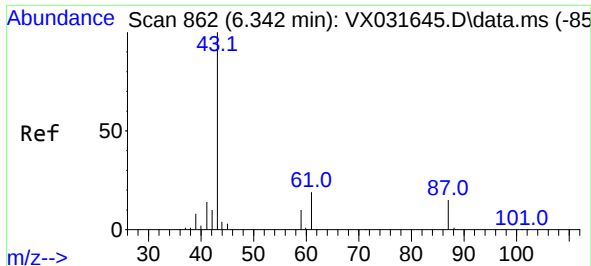
Ion Ratio Lower Upper

117 100

119 0.0 74.6 112.0#

121 0.0 25.3 37.9#

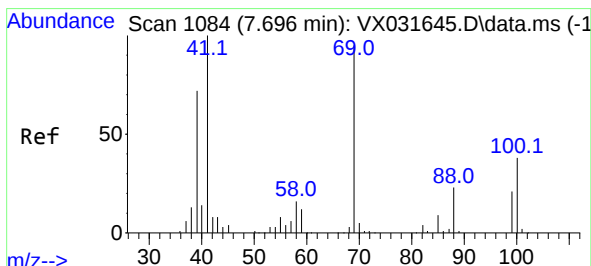
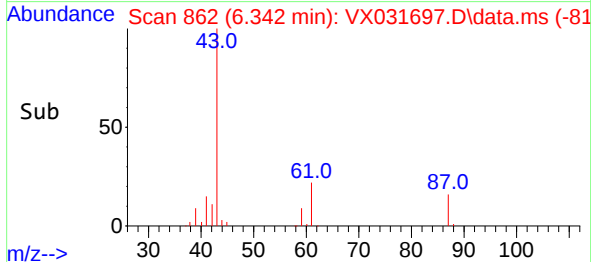
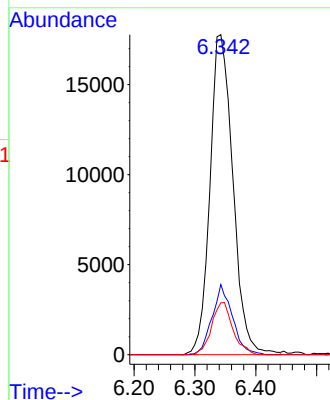
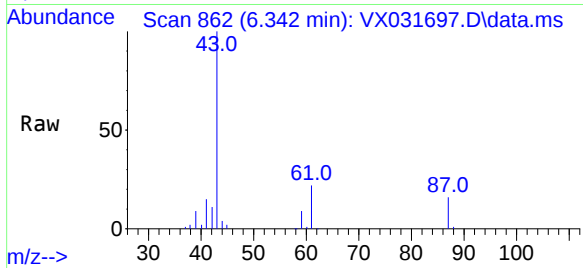




#43
Isopropyl Acetate
Concen: 24.408 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX031697.D
Acq: 27 Sep 2022 12:50

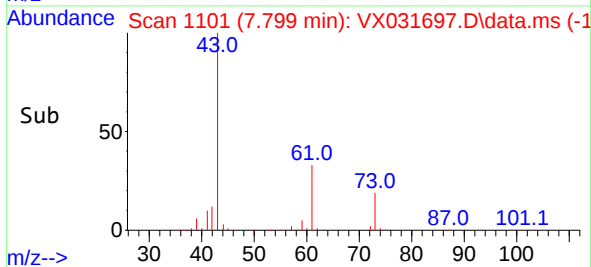
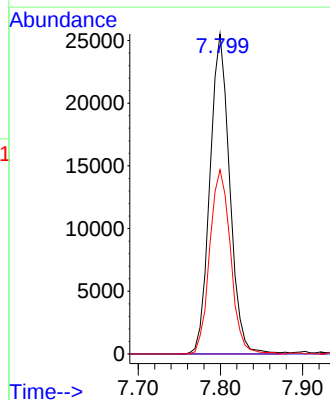
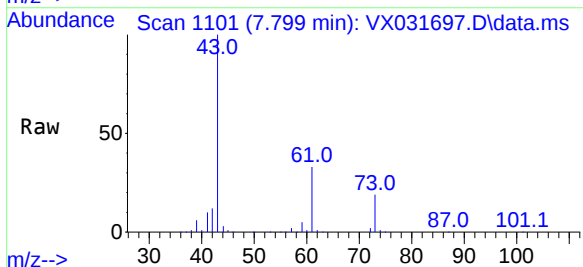
Instrument :
MSVOA_X
ClientSampleId :
TP3-0923

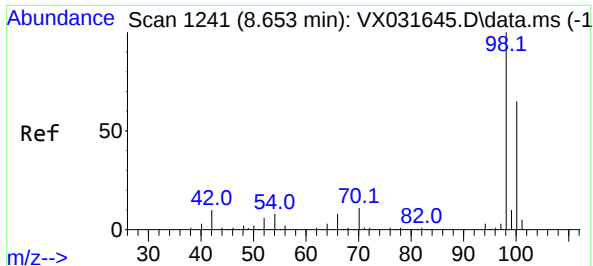
Tgt Ion:	43	Resp:	46581
Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.3	22.9
87	15.1	10.6	15.8



#48
Methyl methacrylate
Concen: 50.805 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX031697.D
Acq: 27 Sep 2022 12:50

Tgt Ion:	41	Resp:	42641
Ion	Ratio	Lower	Upper
41	100		
69	0.0	64.6	96.8
39	60.5	51.4	77.0

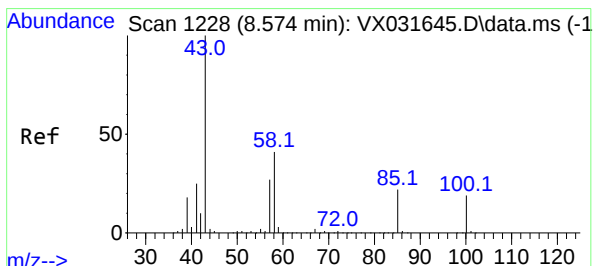
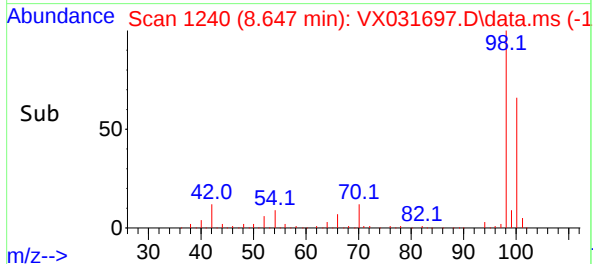
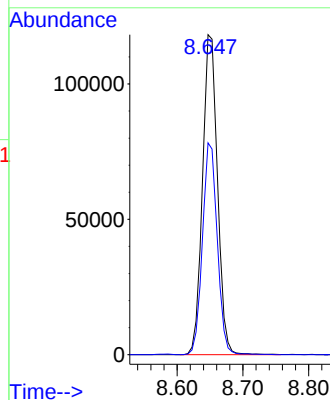
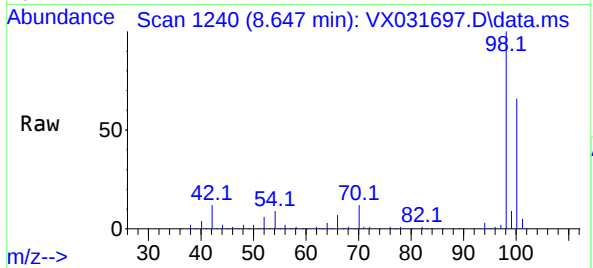




#50
Toluene-d8
Concen: 49.354 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX031697.D
Acq: 27 Sep 2022 12:50

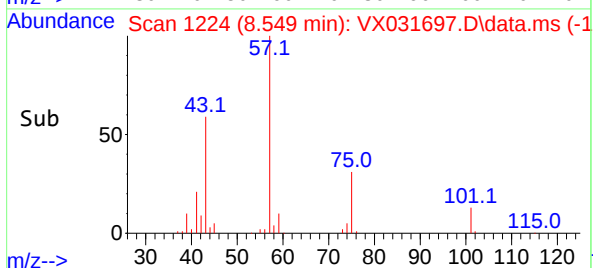
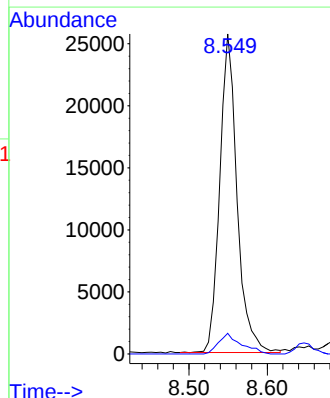
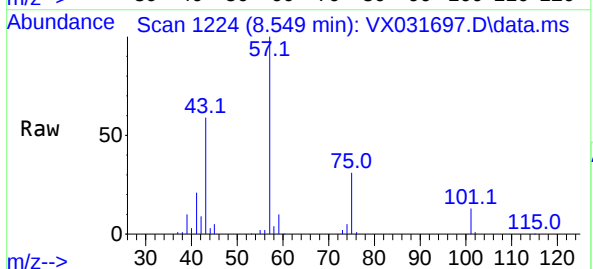
Instrument :
MSVOA_X
ClientSampleId :
TP3-0923

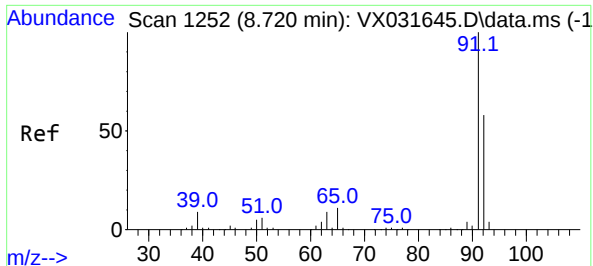
Tgt Ion: 98 Resp: 187299
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 32.744 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX031697.D
Acq: 27 Sep 2022 12:50

Tgt Ion: 43 Resp: 39555
Ion Ratio Lower Upper
43 100
58 8.4 30.6 46.0#

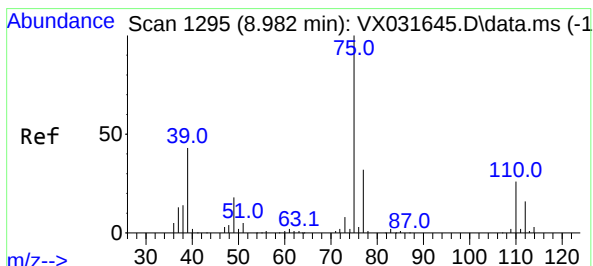
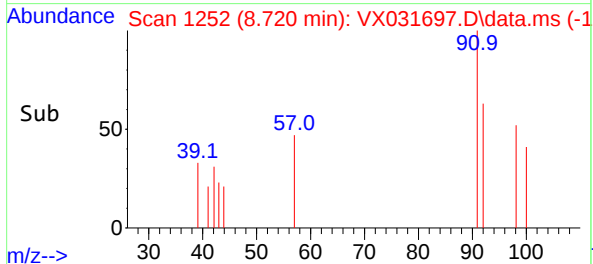
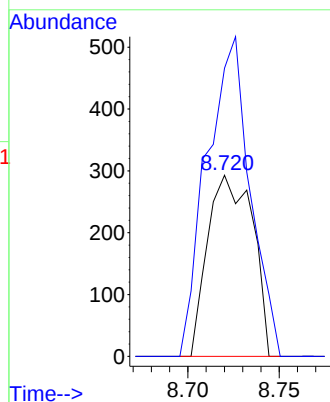
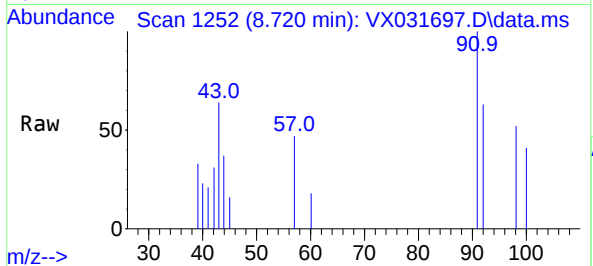




#52
Toluene
Concen: 0.204 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031697.D
Acq: 27 Sep 2022 12:50

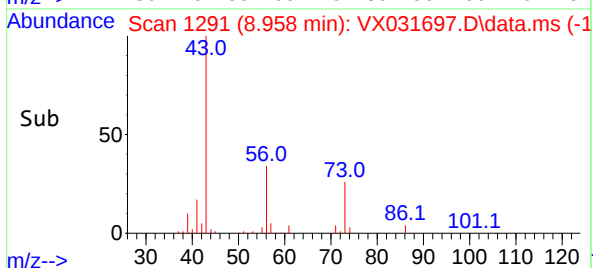
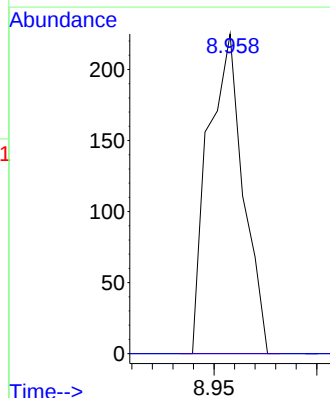
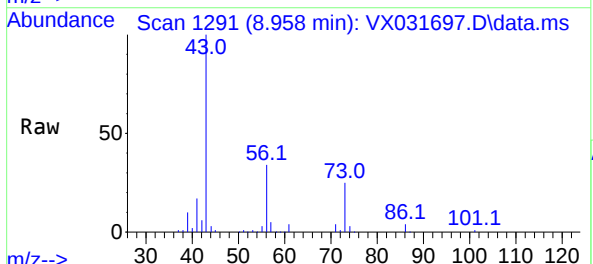
Instrument :
MSVOA_X
ClientSampleId :
TP3-0923

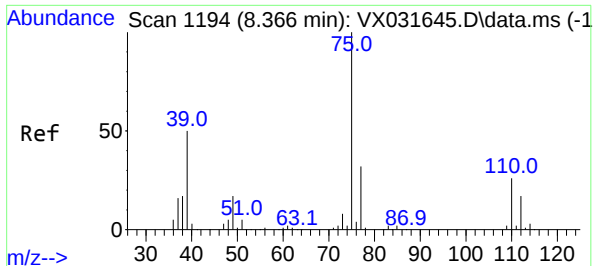
Tgt Ion: 92 Resp: 502
Ion Ratio Lower Upper
92 100
91 170.3 137.1 205.7



#53
t-1,3-Dichloropropene
Concen: 2.056 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.024 min
Lab File: VX031697.D
Acq: 27 Sep 2022 12:50

Tgt Ion: 75 Resp: 267
Ion Ratio Lower Upper
75 100
77 0.0 24.8 37.2#

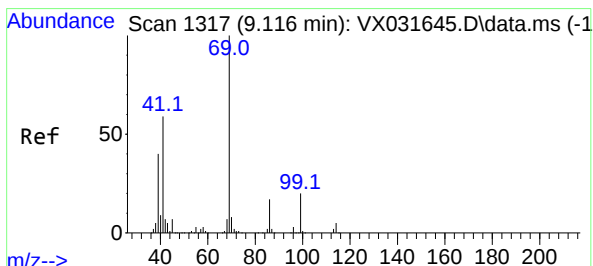
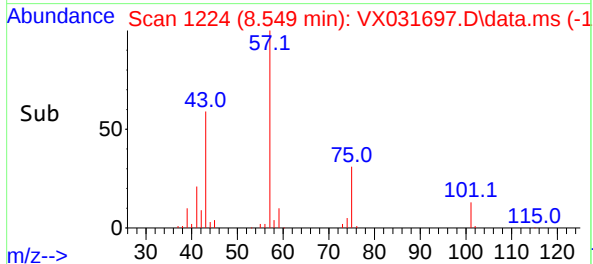
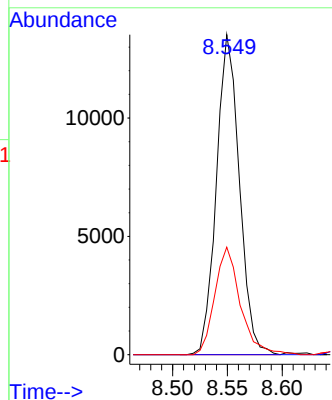
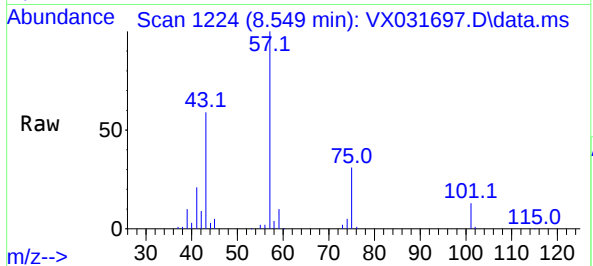




#54
cis-1,3-Dichloropropene
Concen: 14.610 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX031697.D
Acq: 27 Sep 2022 12:50

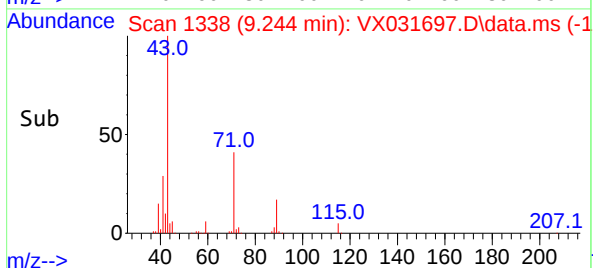
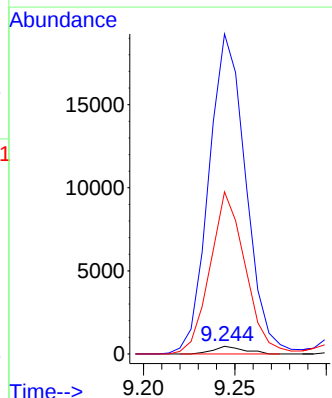
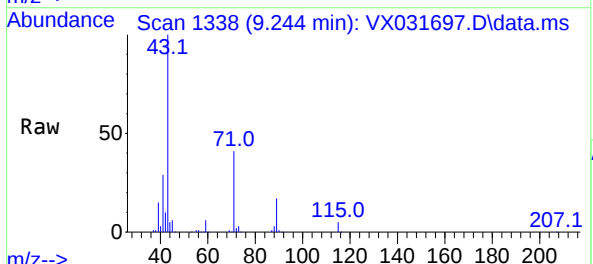
Instrument :
MSVOA_X
ClientSampleId :
TP3-0923

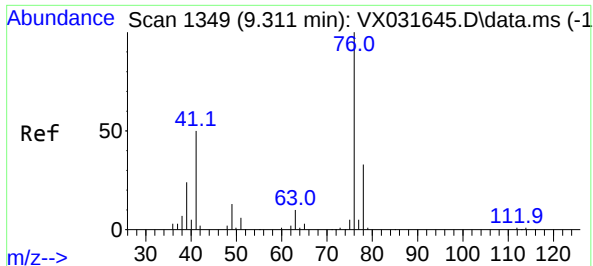
Tgt Ion: 75 Resp: 19717
Ion Ratio Lower Upper
75 100
77 0.0 24.4 36.6#
39 33.6 43.7 65.5#



#56
Ethyl methacrylate
Concen: 0.393 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX031697.D
Acq: 27 Sep 2022 12:50

Tgt Ion: 69 Resp: 533
Ion Ratio Lower Upper
69 100
41 5103.6 54.2 81.4#
39 2457.8 34.2 51.2#

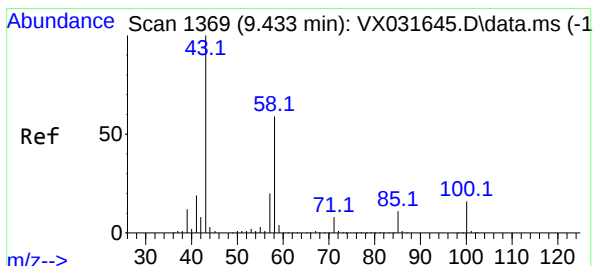
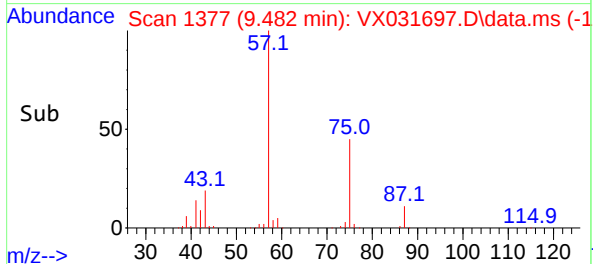
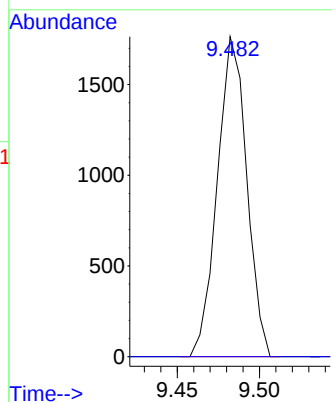
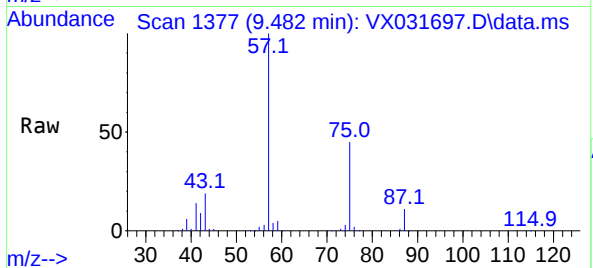




#57
1,3-Dichloropropane
Concen: 1.306 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX031697.D
Acq: 27 Sep 2022 12:50

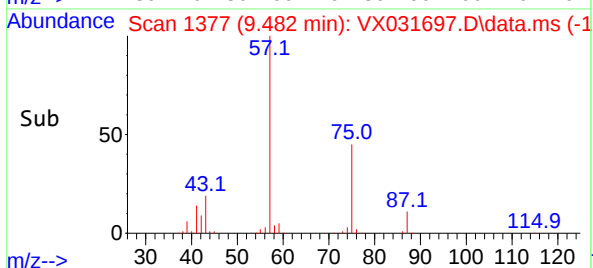
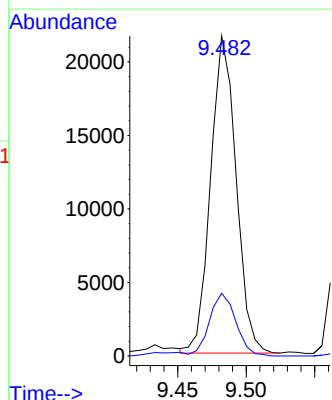
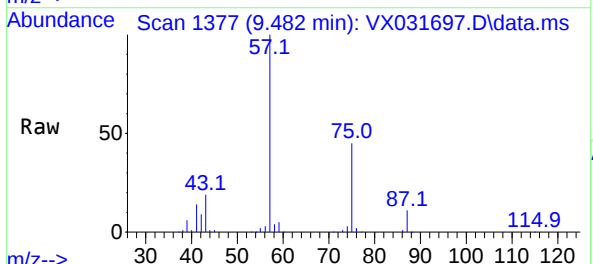
Instrument :
MSVOA_X
ClientSampleId :
TP3-0923

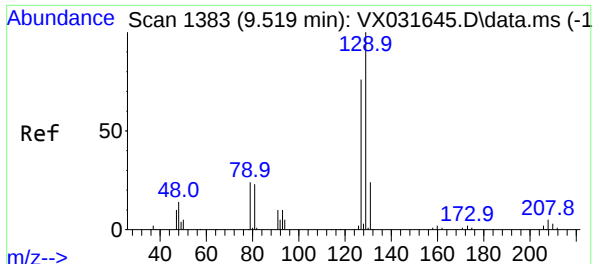
Tgt Ion: 76 Resp: 2192
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#



#59
2-Hexanone
Concen: 30.971 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX031697.D
Acq: 27 Sep 2022 12:50

Tgt Ion: 43 Resp: 27914
Ion Ratio Lower Upper
43 100
58 20.3 26.7 80.0#





#60

Dibromochloromethane

Concen: 1.560 ug/l

RT: 9.263 min Scan# 11

Delta R.T. -0.262 min

Lab File: VX031697.D

Acq: 27 Sep 2022 12:50

Instrument :

MSVOA_X

ClientSampleId :

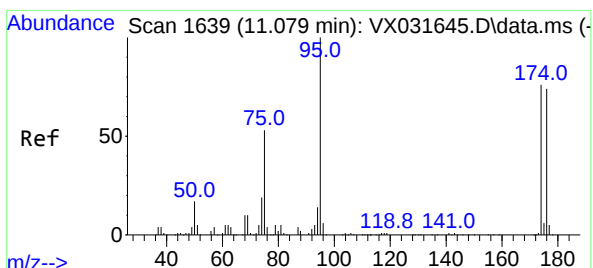
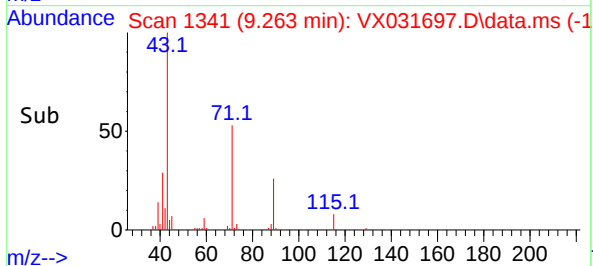
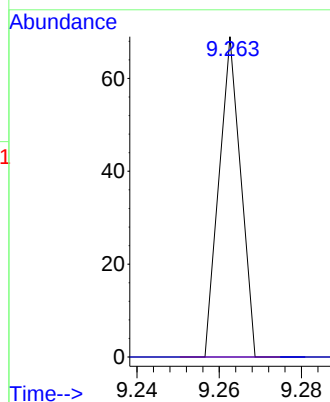
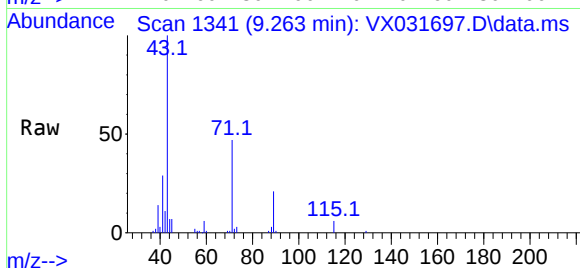
TP3-0923

Tgt Ion:129 Resp: 25

Ion Ratio Lower Upper

129 100

127 0.0 38.7 116.1#



#62

4-Bromofluorobenzene

Concen: 47.198 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX031697.D

Acq: 27 Sep 2022 12:50

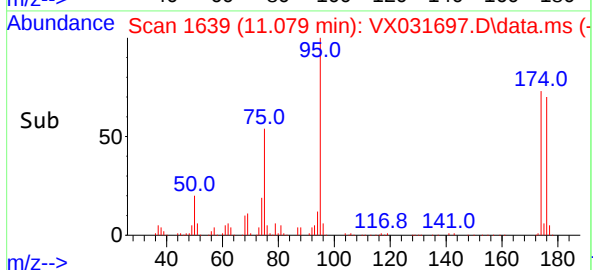
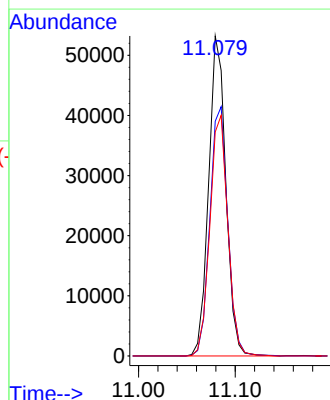
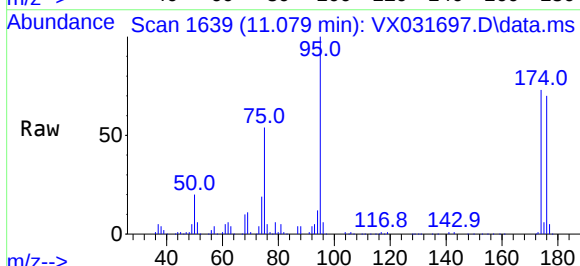
Tgt Ion: 95 Resp: 65650

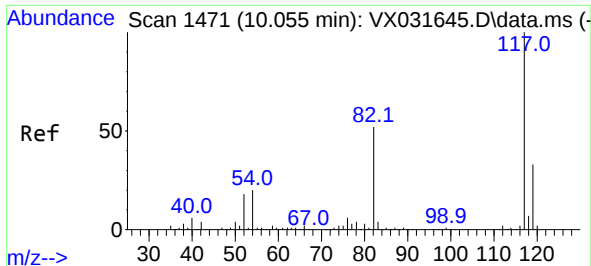
Ion Ratio Lower Upper

95 100

174 81.2 0.0 153.2

176 78.6 0.0 144.0

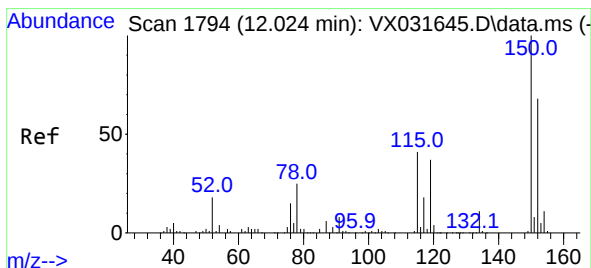
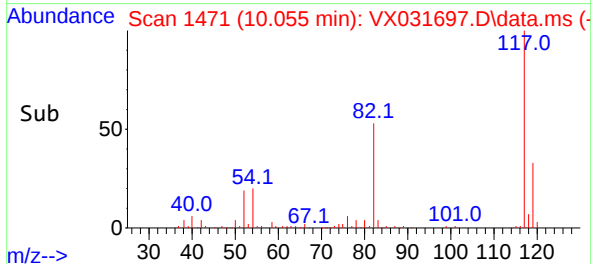
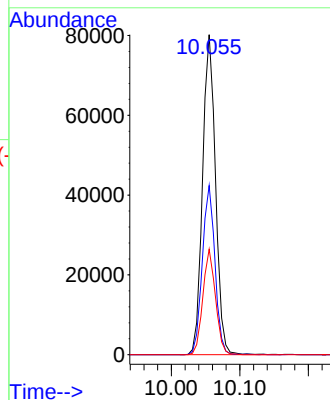
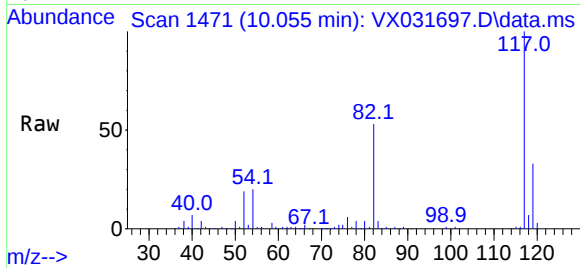




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031697.D
Acq: 27 Sep 2022 12:50

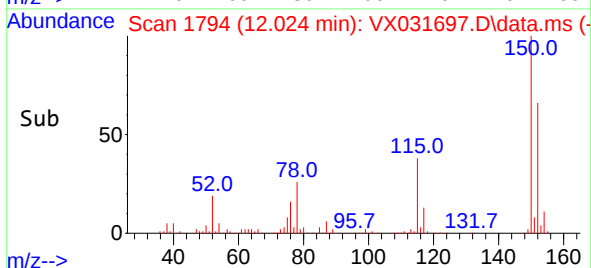
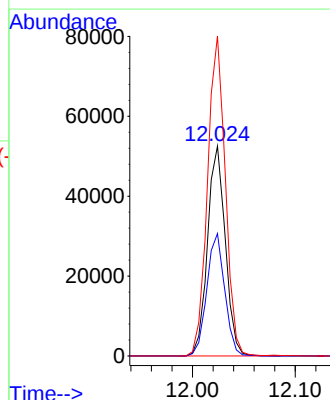
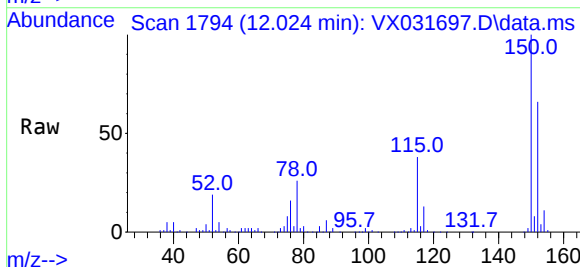
Instrument :
MSVOA_X
ClientSampleId :
TP3-0923

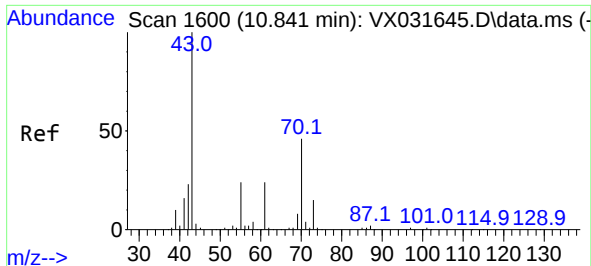
Tgt Ion:117 Resp: 105668
Ion Ratio Lower Upper
117 100
82 52.8 46.8 70.2
119 33.0 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031697.D
Acq: 27 Sep 2022 12:50

Tgt Ion:152 Resp: 63202
Ion Ratio Lower Upper
152 100
115 58.7 43.4 130.1
150 152.6 0.0 346.8

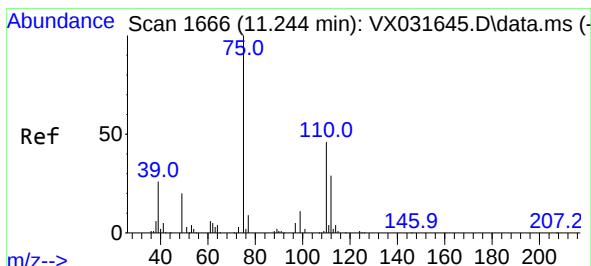
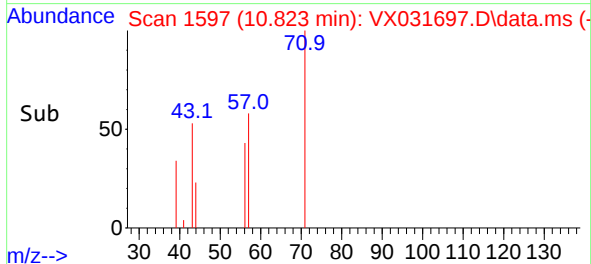
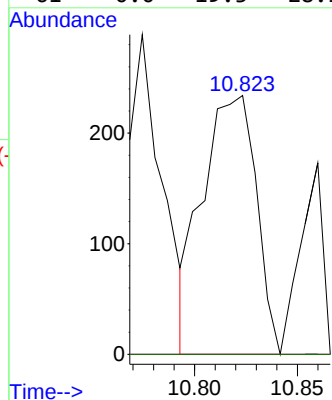
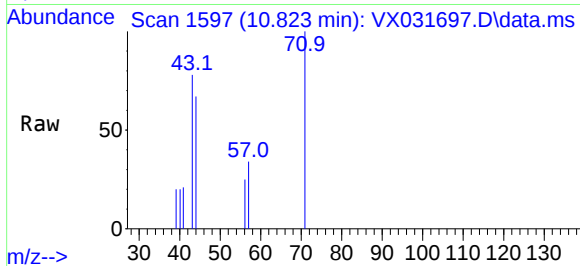




#74
N-amy1 acetate
Concen: 0.321 ug/l
RT: 10.823 min Scan# 11
Delta R.T. -0.019 min
Lab File: VX031697.D
Acq: 27 Sep 2022 12:50

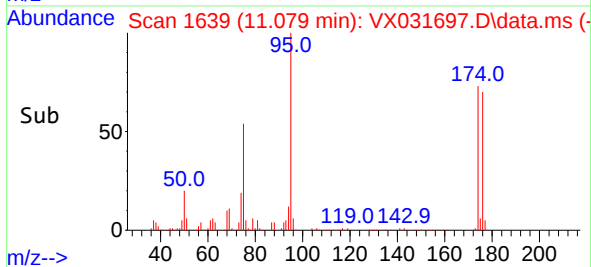
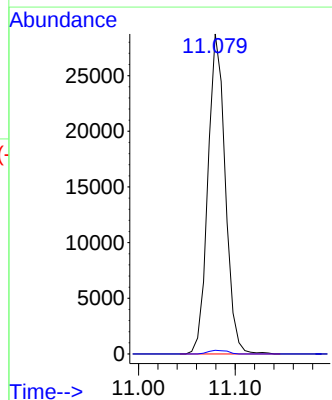
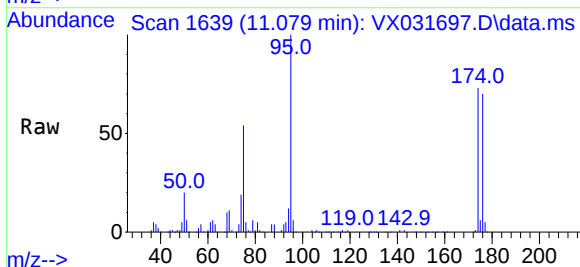
Instrument :
MSVOA_X
ClientSampleId :
TP3-0923

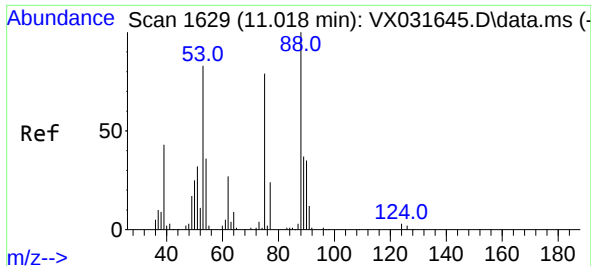
Tgt Ion: 43	Resp: 426
Ion Ratio	Lower Upper
43 100	
70 0.0	33.4 50.2#
55 0.0	18.2 27.2#
61 0.0	19.3 28.9#



#76
1,2,3-Trichloropropane
Concen: 31.277 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031697.D
Acq: 27 Sep 2022 12:50

Tgt Ion: 75	Resp: 35836
Ion Ratio	Lower Upper
75 100	
77 1.3	20.3 60.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 102.960 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX031697.D
 Acq: 27 Sep 2022 12:50

Instrument :
 MSVOA_X
 ClientSampleId :
 TP3-0923

Tgt Ion: 75 Resp: 35836
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 37.4 56.0#

