

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020724\
 Data File : VX040157.D
 Acq On : 07 Feb 2024 17:14
 Operator : JC/MD
 Sample : P1337-15RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-5RE

Quant Time: Feb 08 00:35:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 05:44:39 2024
 Response via : Initial Calibration

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

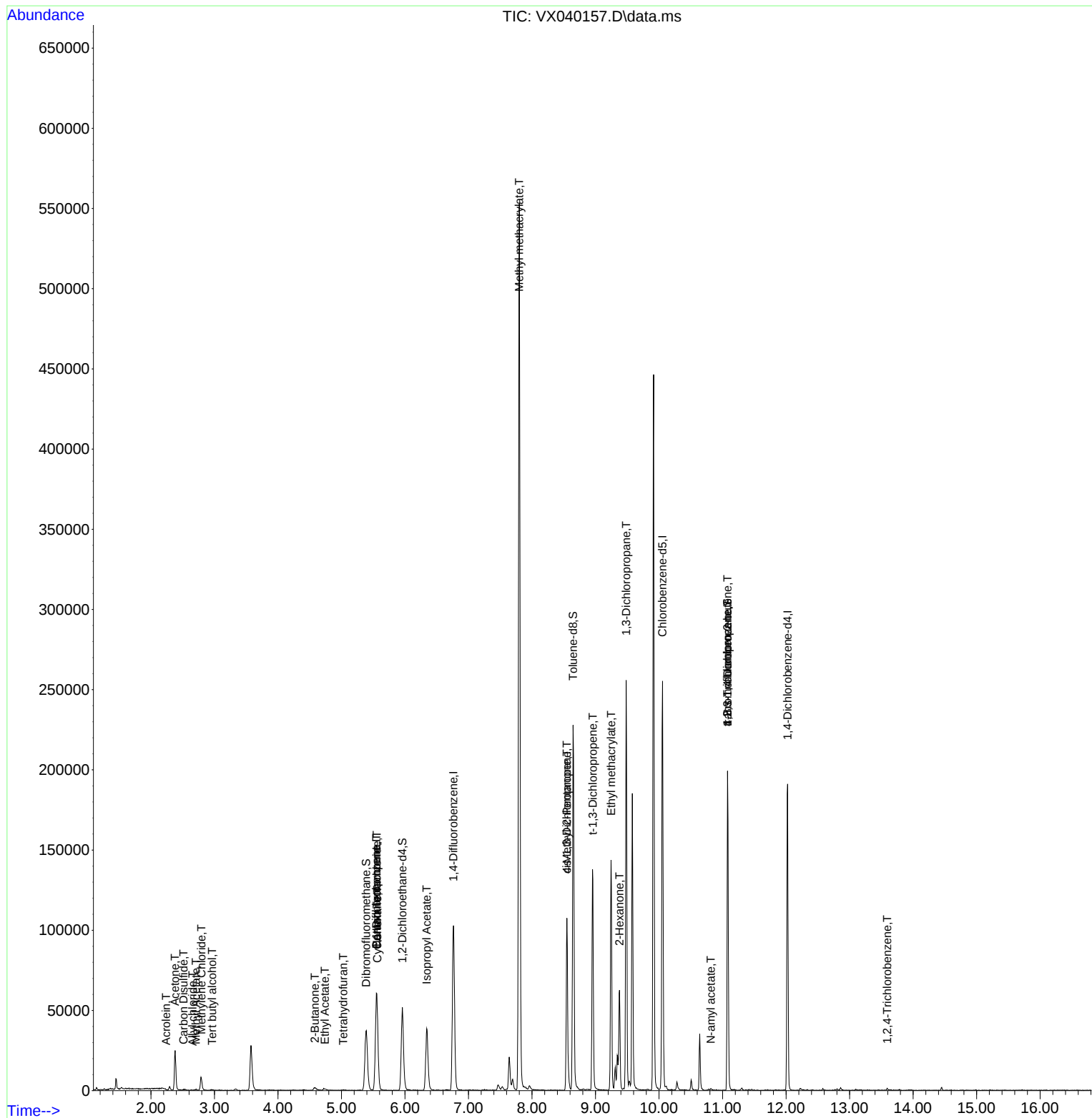
Internal Standards						
1) Pentafluorobenzene	5.550	168	49101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	95639	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	101196	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	33082	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	45276	57.296	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.600%			
35) Dibromofluoromethane	5.385	113	31828	48.887	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.780%			
50) Toluene-d8	8.647	98	124501	51.135	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.280%			
62) 4-Bromofluorobenzene	11.079	95	50163	53.507	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.020%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.965	59	467	3.257	ug/l #	78
13) Acrolein	2.239	56	61	0.444	ug/l	97
14) Allyl chloride	2.654	41	268	0.269	ug/l #	50
16) Acetone	2.380	43	25331	68.415	ug/l	94
17) Carbon Disulfide	2.514	76	376	0.233	ug/l #	76
18) Methyl Acetate	2.709	43	828	0.944	ug/l #	87
20) Methylene Chloride	2.794	84	3267	4.965	ug/l #	77
25) 2-Butanone	4.580	43	3094	6.011	ug/l	90
29) Tetrahydrofuran	5.025	42	150	0.458	ug/l #	64
31) Cyclohexane	5.562	56	1812	1.831	ug/l #	52
36) 1,1-Dichloropropene	5.550	75	5401	5.736	ug/l #	46
37) Ethyl Acetate	4.739	43	2004	1.949	ug/l #	77
38) Carbon Tetrachloride	5.556	117	6002	6.662	ug/l #	16
43) Isopropyl Acetate	6.342	43	52094	32.125	ug/l	98
48) Methyl methacrylate	7.799	41	47476	59.433	ug/l #	51
51) 4-Methyl-2-Pentanone	8.549	43	40398	36.494	ug/l #	46
53) t-1,3-Dichloropropene	8.958	75	318	0.317	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	15177	14.168	ug/l #	71
56) Ethyl methacrylate	9.244	69	330	0.319	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	1928	1.654	ug/l #	42
59) 2-Hexanone	9.378	43	47081	53.343	ug/l #	26
74) N-amyl acetate	10.817	43	379	0.551	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	29917	42.466	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	29917	113.824	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	200	0.300	ug/l #	85

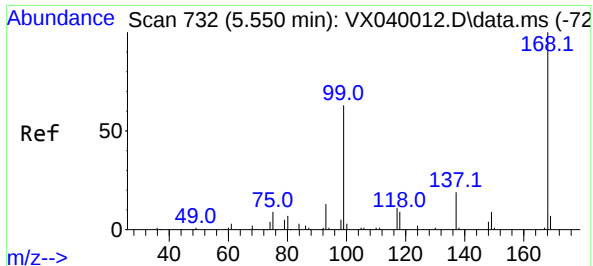
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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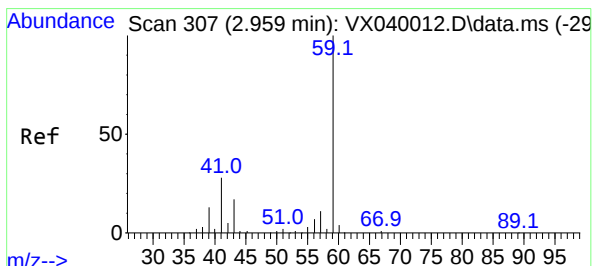
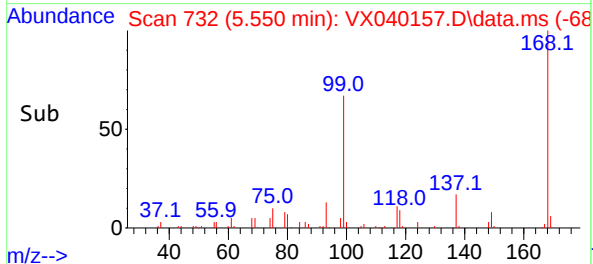
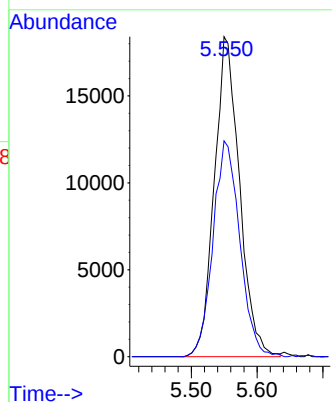
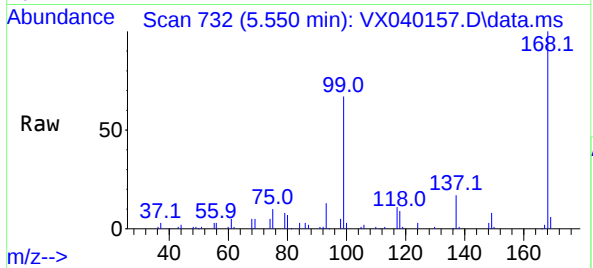




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040157.D
Acq: 07 Feb 2024 17:14

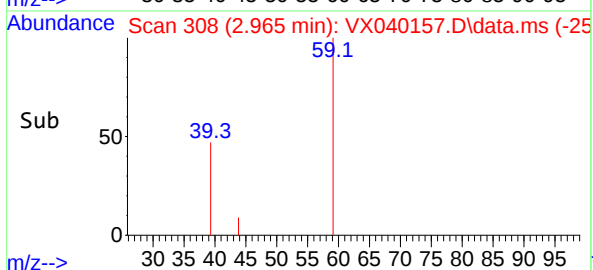
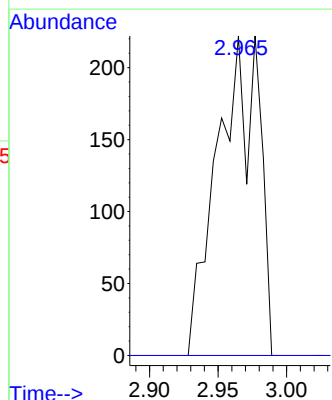
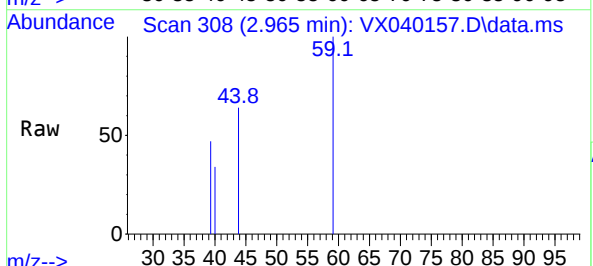
Instrument :
MSVOA_X
ClientSampleId :
TP-5RE

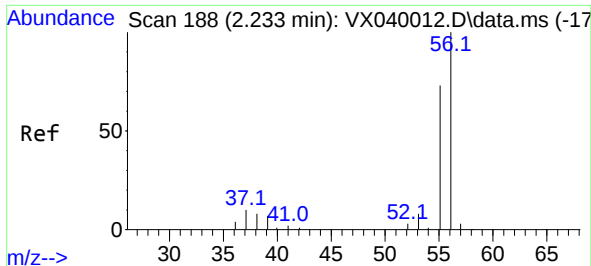
Tgt Ion:168 Resp: 49101
Ion Ratio Lower Upper
168 100
99 67.5 56.6 85.0



#11
Tert butyl alcohol
Concen: 3.257 ug/l
RT: 2.965 min Scan# 308
Delta R.T. 0.006 min
Lab File: VX040157.D
Acq: 07 Feb 2024 17:14

Tgt Ion: 59 Resp: 467
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

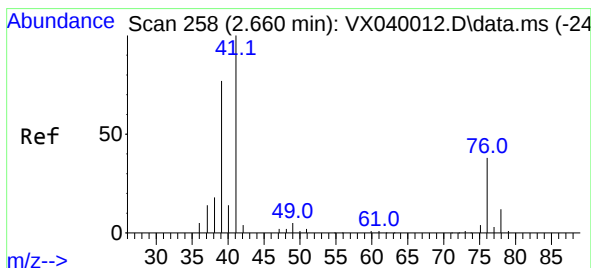
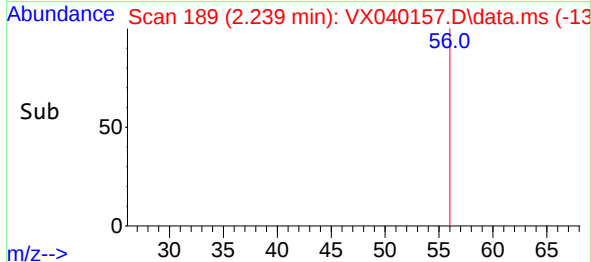
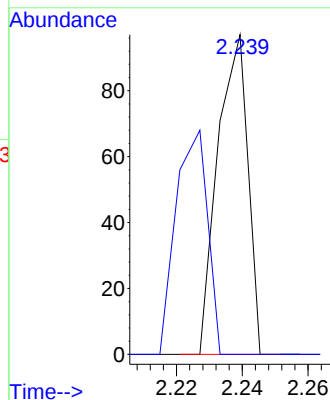
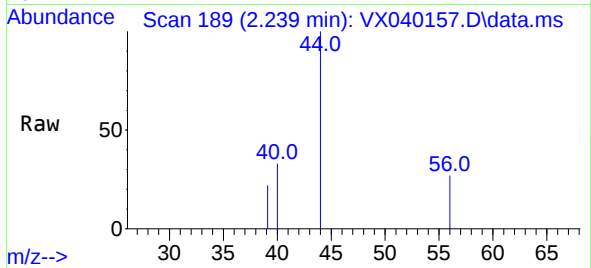




#13
Acrolein
Concen: 0.444 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040157.D
Acq: 07 Feb 2024 17:14

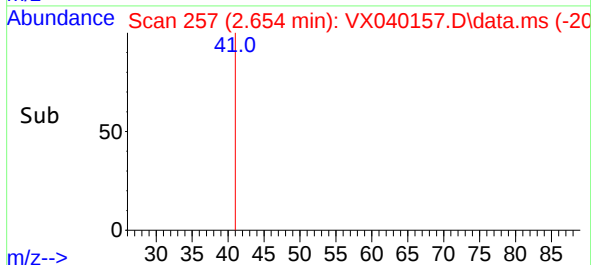
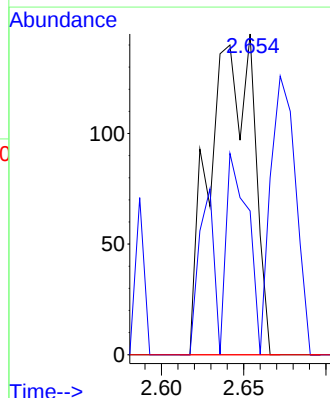
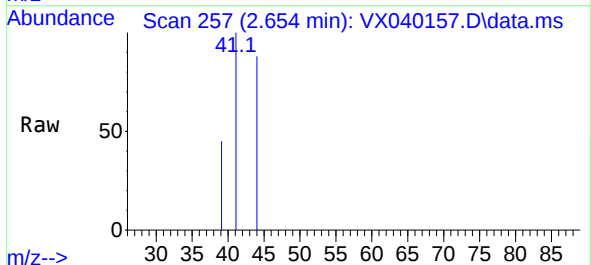
Instrument :
MSVOA_X
ClientSampleId :
TP-5RE

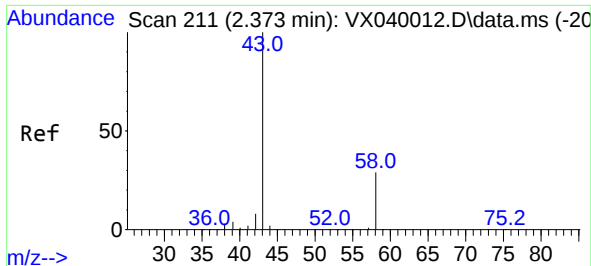
Tgt Ion: 56 Resp: 61
Ion Ratio Lower Upper
56 100
55 73.8 57.1 85.7



#14
Allyl chloride
Concen: 0.269 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX040157.D
Acq: 07 Feb 2024 17:14

Tgt Ion: 41 Resp: 268
Ion Ratio Lower Upper
41 100
39 31.0 55.8 83.6#
76 0.0 24.3 36.5#





#16

Acetone

Concen: 68.415 ug/l

RT: 2.380 min Scan# 211

Delta R.T. 0.006 min

Lab File: VX040157.D

Acq: 07 Feb 2024 17:14

Instrument :

MSVOA_X

ClientSampleId :

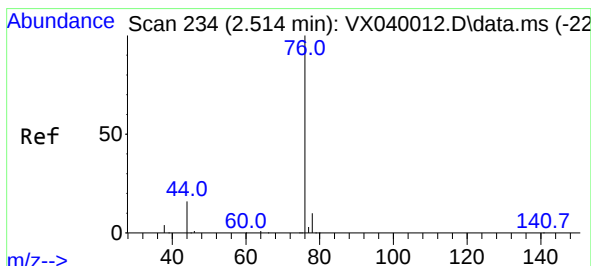
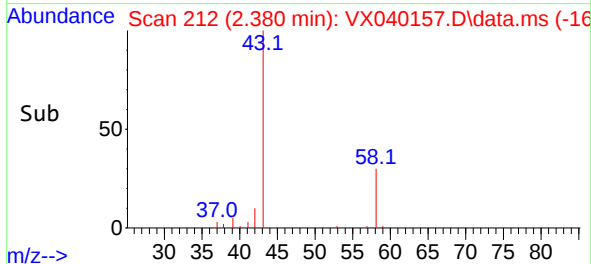
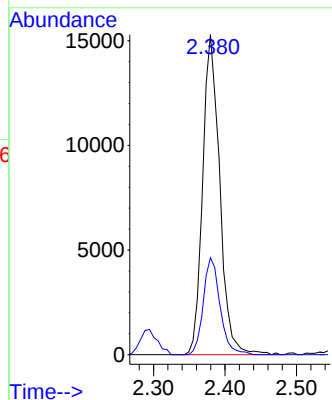
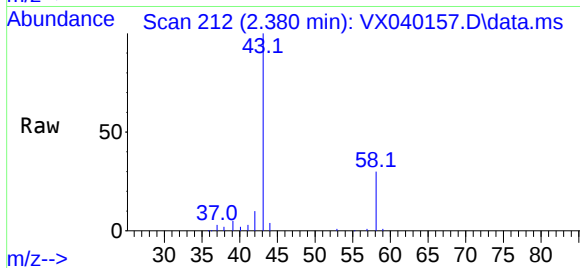
TP-5RE

Tgt Ion: 43 Resp: 25331

Ion Ratio Lower Upper

43 100

58 30.3 21.9 32.9



#17

Carbon Disulfide

Concen: 0.233 ug/l

RT: 2.514 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX040157.D

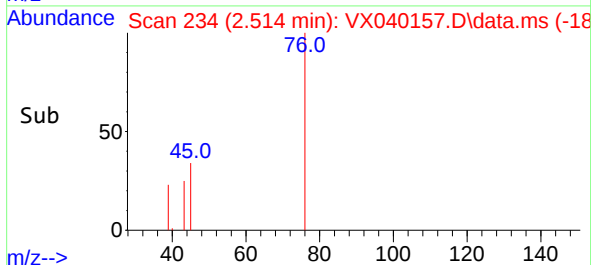
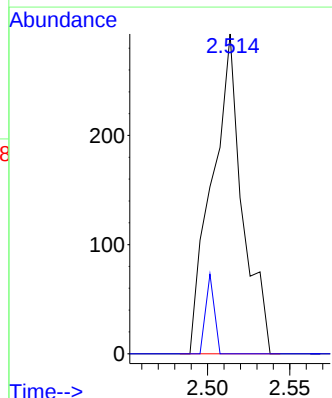
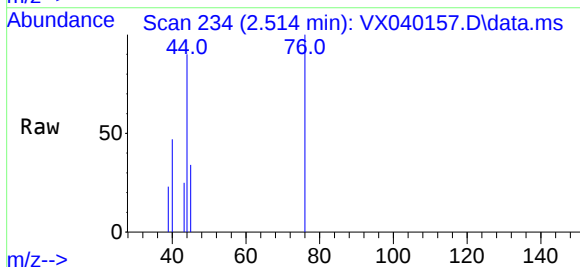
Acq: 07 Feb 2024 17:14

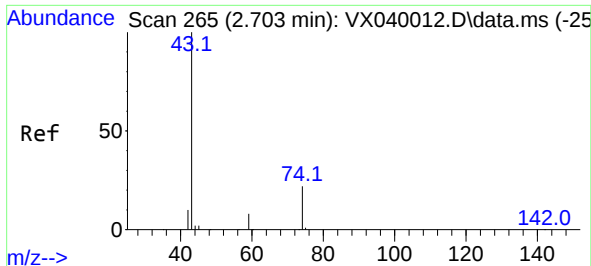
Tgt Ion: 76 Resp: 376

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#

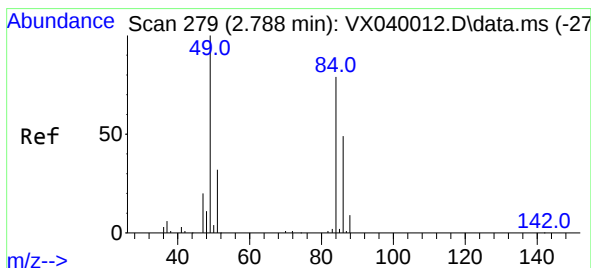
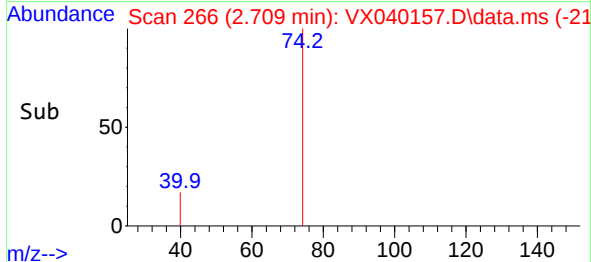
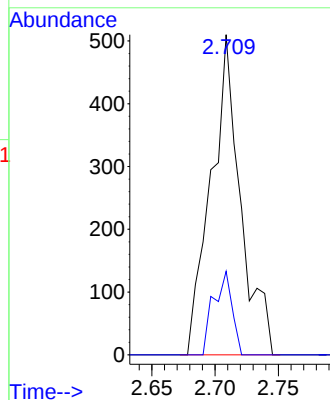
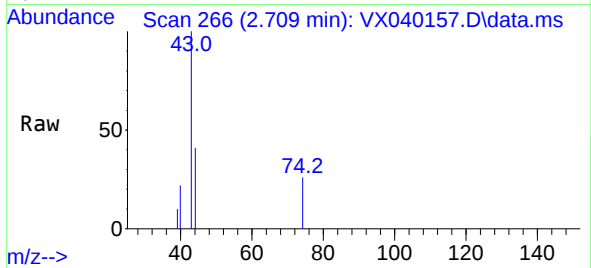




#18
Methyl Acetate
Concen: 0.944 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX040157.D
Acq: 07 Feb 2024 17:14

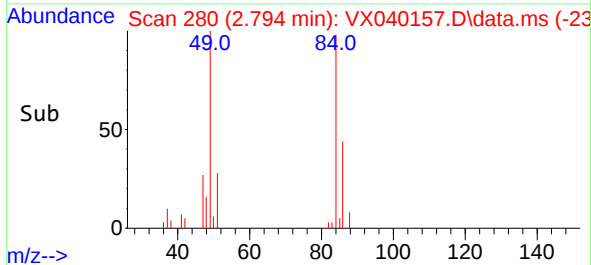
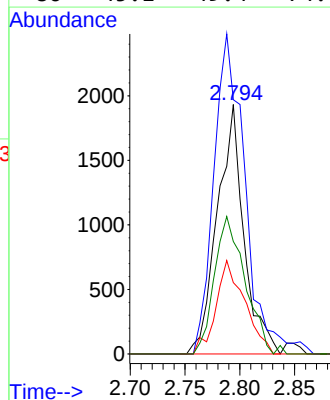
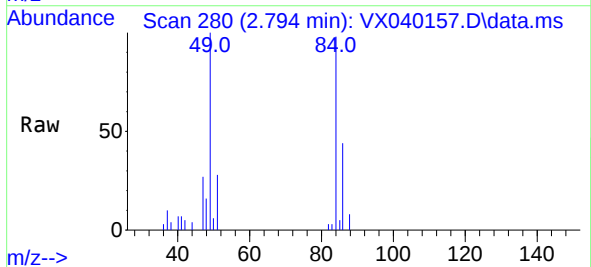
Instrument :
MSVOA_X
ClientSampleId :
TP-5RE

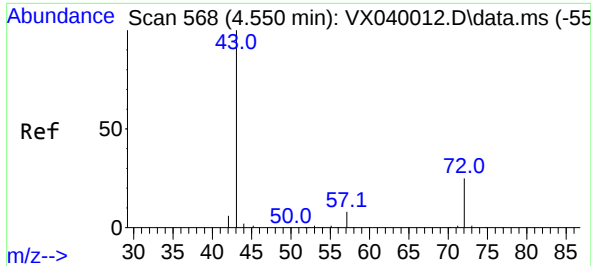
Tgt Ion: 43 Resp: 828
Ion Ratio Lower Upper
43 100
74 16.3 17.8 26.8#



#20
Methylene Chloride
Concen: 4.965 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX040157.D
Acq: 07 Feb 2024 17:14

Tgt Ion: 84 Resp: 3267
Ion Ratio Lower Upper
84 100
49 102.0 103.6 155.4#
51 28.6 33.8 50.6#
86 45.1 49.4 74.0#





#25

2-Butanone

Concen: 6.011 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.030 min

Lab File: VX040157.D

Acq: 07 Feb 2024 17:14

Instrument :

MSVOA_X

ClientSampleId :

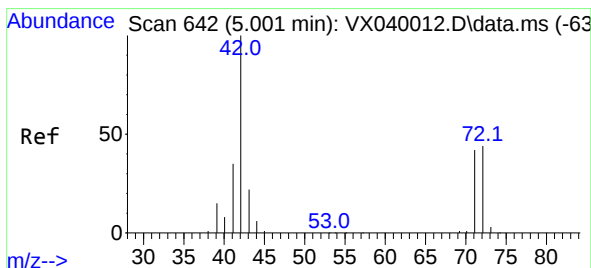
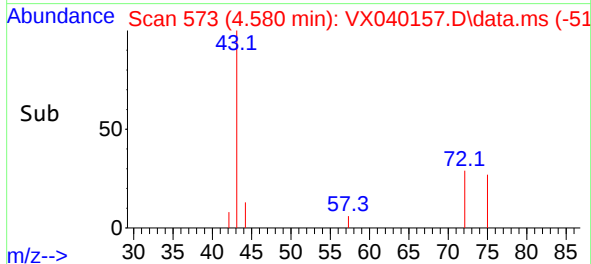
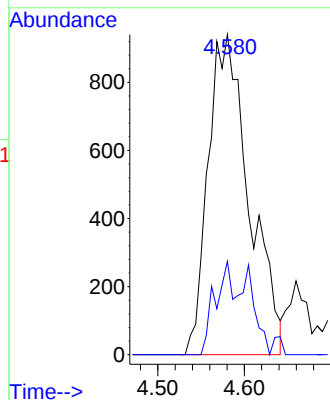
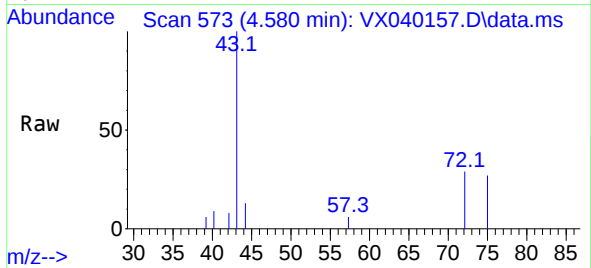
TP-5RE

Tgt Ion: 43 Resp: 3094

Ion Ratio Lower Upper

43 100

72 29.1 19.4 29.2



#29

Tetrahydrofuran

Concen: 0.458 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.024 min

Lab File: VX040157.D

Acq: 07 Feb 2024 17:14

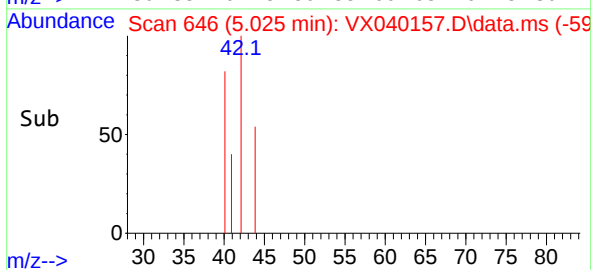
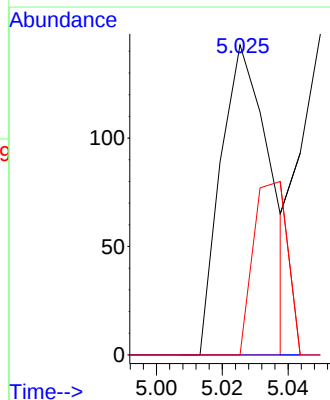
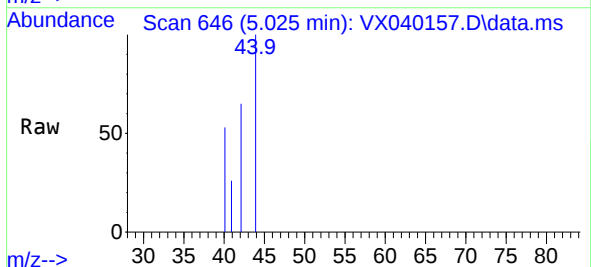
Tgt Ion: 42 Resp: 150

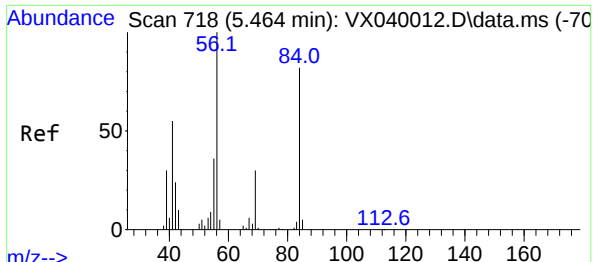
Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

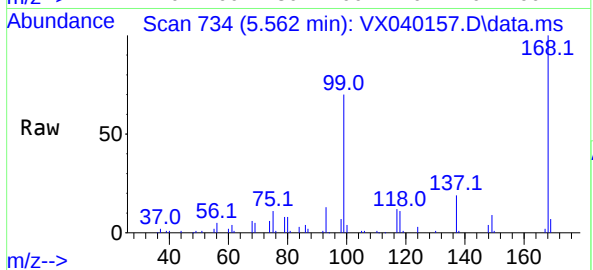
71 38.0 32.2 48.2



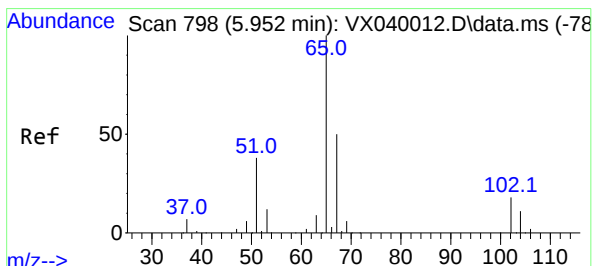
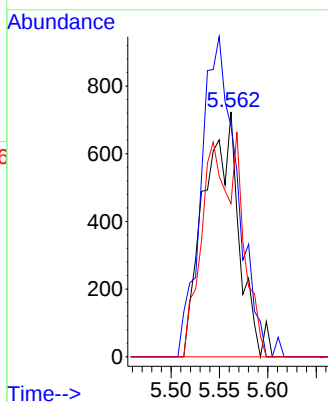
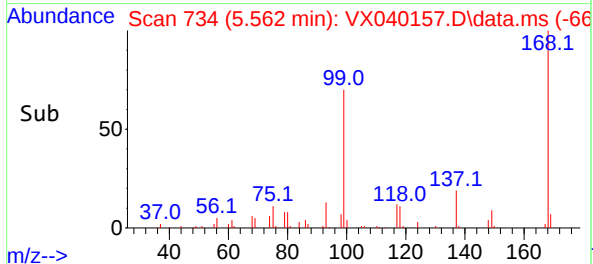


#31
Cyclohexane
Concen: 1.831 ug/l
RT: 5.562 min Scan# 718
Delta R.T. 0.097 min
Lab File: VX040157.D
Acq: 07 Feb 2024 17:14

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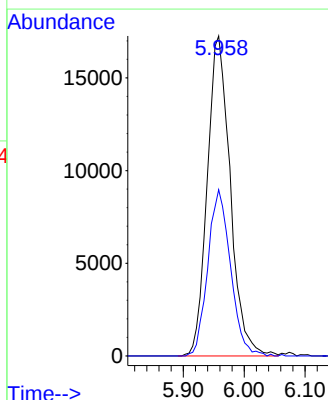
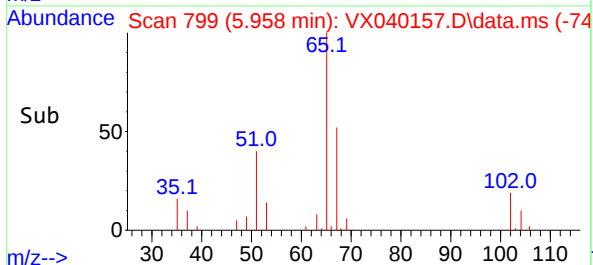
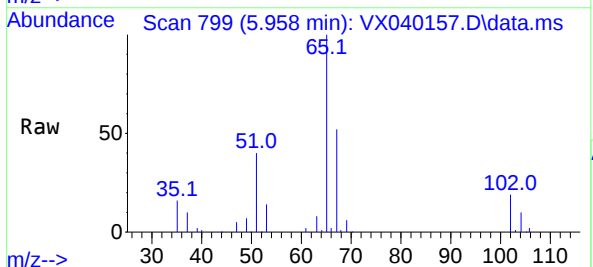


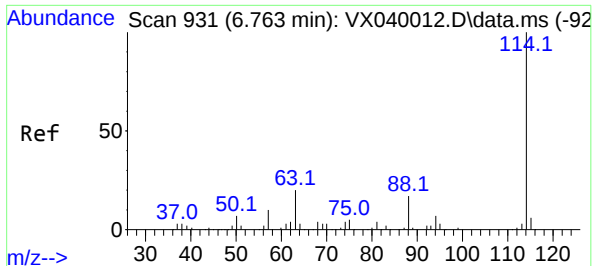
Tgt Ion: 56 Resp: 1812
Ion Ratio Lower Upper
56 100
69 94.3 23.4 35.2#
84 62.6 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 57.296 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX040157.D
Acq: 07 Feb 2024 17:14

Tgt Ion: 65 Resp: 45276
Ion Ratio Lower Upper
65 100
67 51.3 0.0 100.2

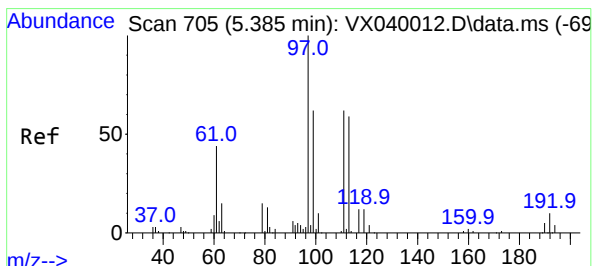
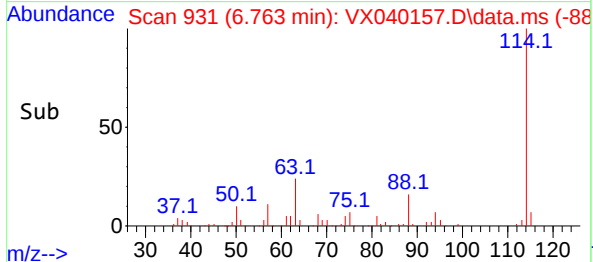
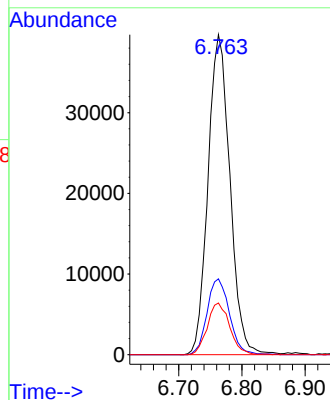
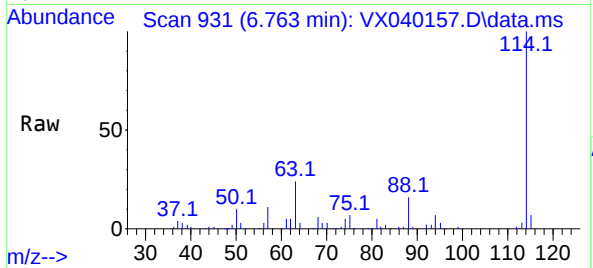




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX040157.D
Acq: 07 Feb 2024 17:14

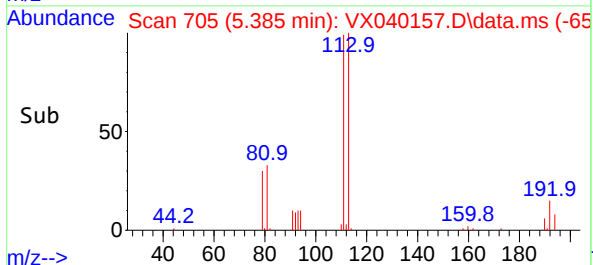
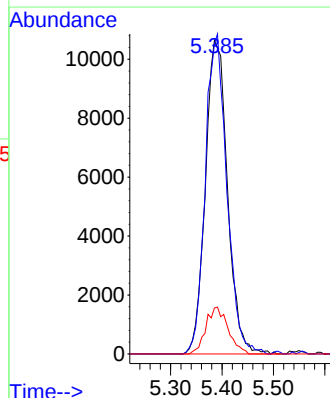
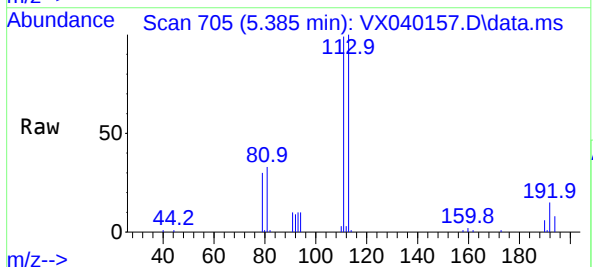
Instrument :
MSVOA_X
ClientSampleId :
TP-5RE

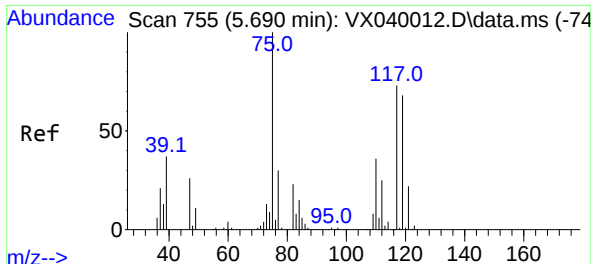
Tgt Ion:114 Resp: 95639
Ion Ratio Lower Upper
114 100
63 23.7 0.0 45.0
88 16.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.887 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX040157.D
Acq: 07 Feb 2024 17:14

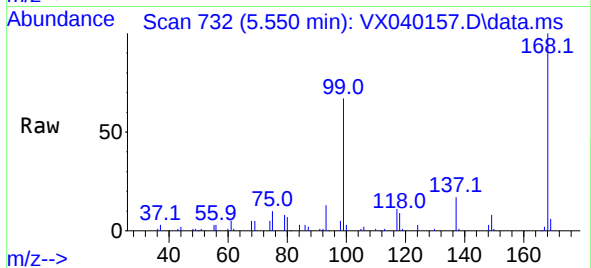
Tgt Ion:113 Resp: 31828
Ion Ratio Lower Upper
113 100
111 99.2 82.9 124.3
192 14.9 13.3 19.9



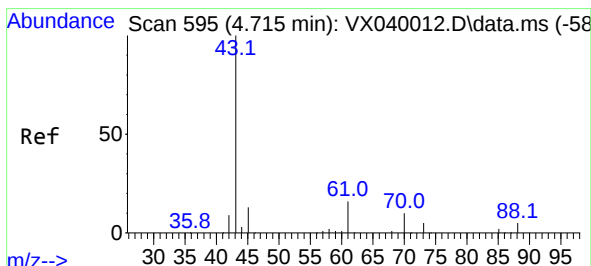
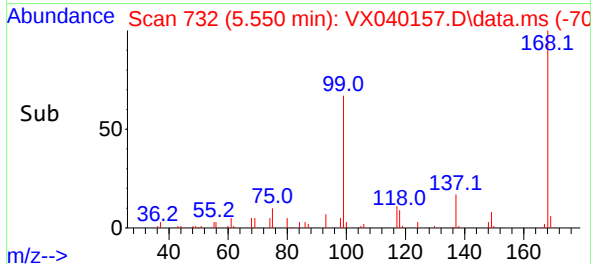
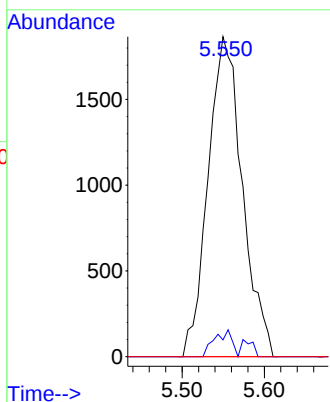


#36
1,1-Dichloropropene
Concen: 5.736 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX040157.D
Acq: 07 Feb 2024 17:14

Instrument :
MSVOA_X
ClientSampleId :
TP-5RE

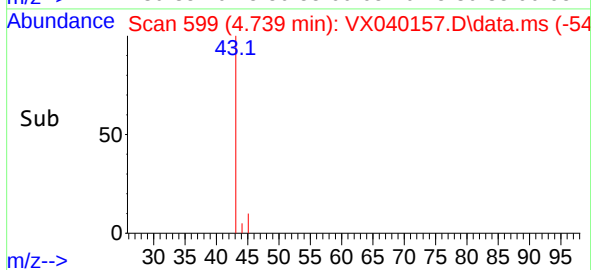
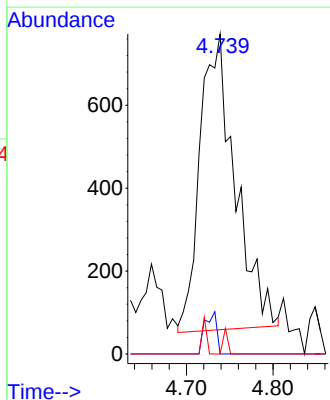
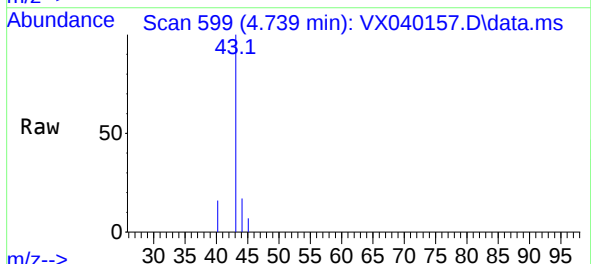


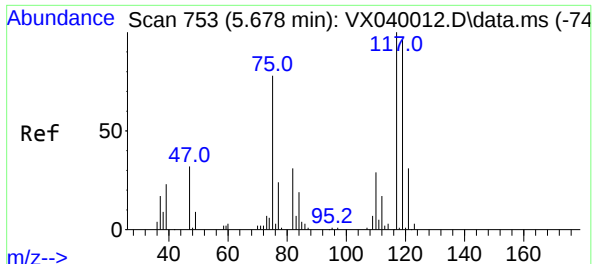
Tgt Ion: 75 Resp: 5401
Ion Ratio Lower Upper
75 100
110 4.3 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.949 ug/l
RT: 4.739 min Scan# 599
Delta R.T. 0.024 min
Lab File: VX040157.D
Acq: 07 Feb 2024 17:14

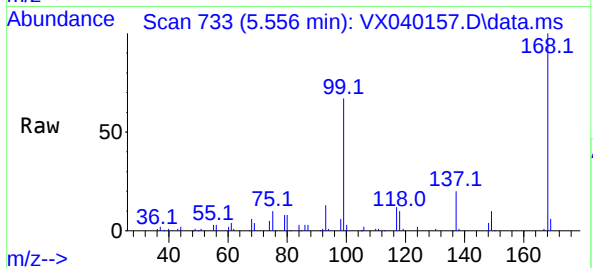
Tgt Ion: 43 Resp: 2004
Ion Ratio Lower Upper
43 100
61 4.7 10.6 16.0#
70 1.1 8.3 12.5#



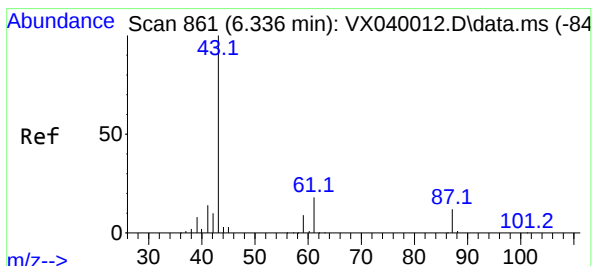
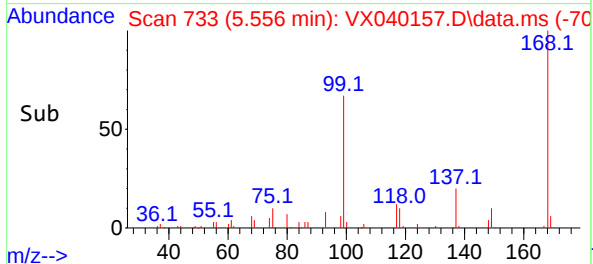
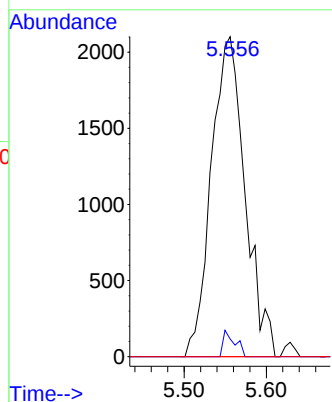


#38
Carbon Tetrachloride
Concen: 6.662 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX040157.D
Acq: 07 Feb 2024 17:14

Instrument :
MSVOA_X
ClientSampleId :
TP-5RE

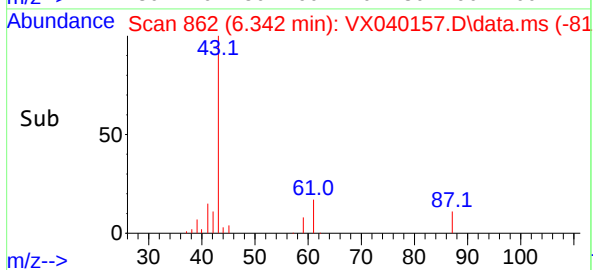
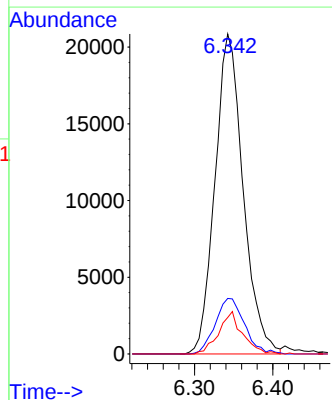
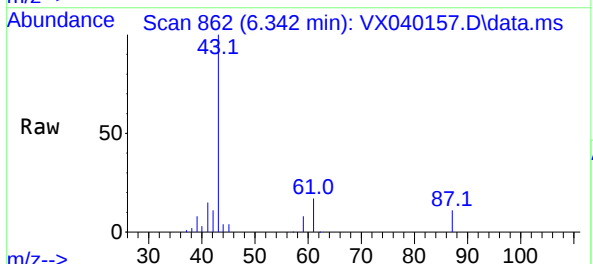


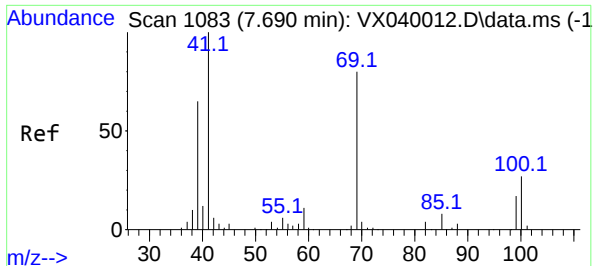
Tgt Ion:117 Resp: 6002
Ion Ratio Lower Upper
117 100
119 5.6 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 32.125 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX040157.D
Acq: 07 Feb 2024 17:14

Tgt Ion: 43 Resp: 52094
Ion Ratio Lower Upper
43 100
61 18.0 15.2 22.8
87 11.2 9.8 14.6

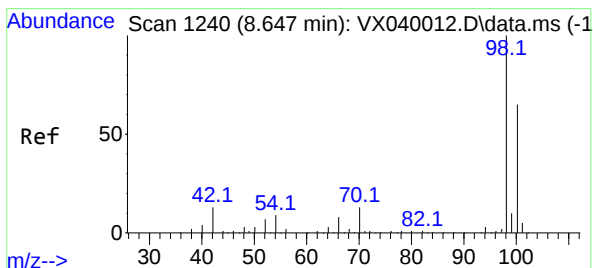
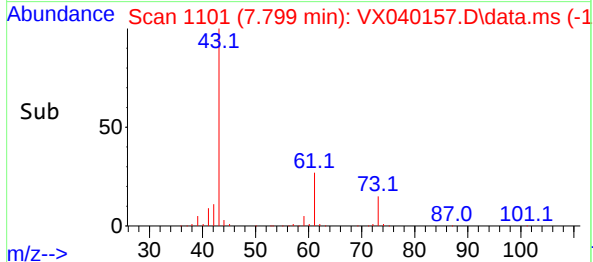
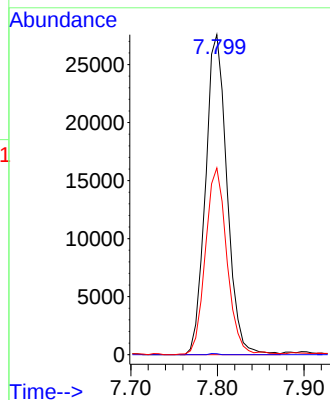
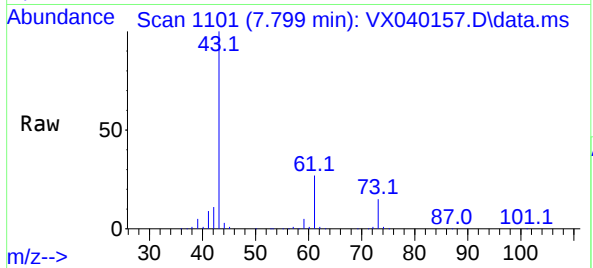




#48
Methyl methacrylate
Concen: 59.433 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX040157.D
Acq: 07 Feb 2024 17:14

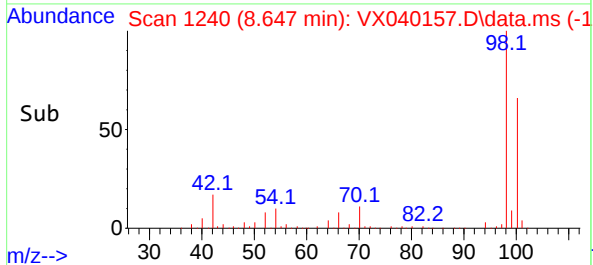
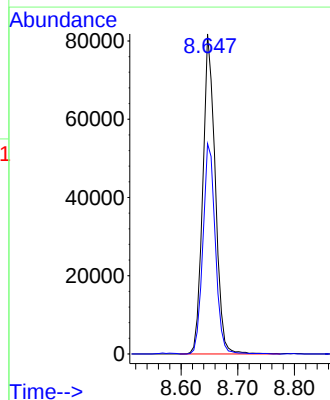
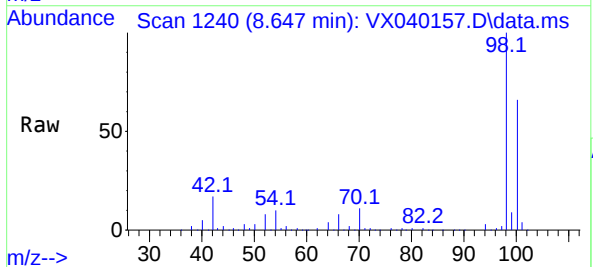
Instrument :
MSVOA_X
ClientSampleId :
TP-5RE

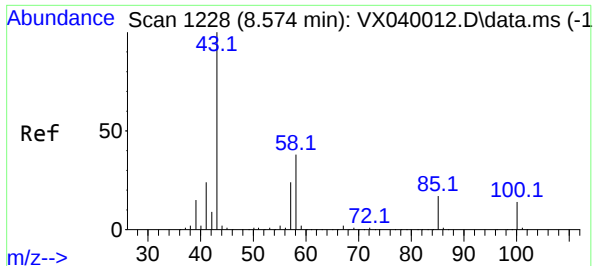
Tgt Ion: 41 Resp: 47476
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 58.6 47.7 71.5



#50
Toluene-d8
Concen: 51.135 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX040157.D
Acq: 07 Feb 2024 17:14

Tgt Ion: 98 Resp: 124501
Ion Ratio Lower Upper
98 100
100 65.8 53.1 79.7

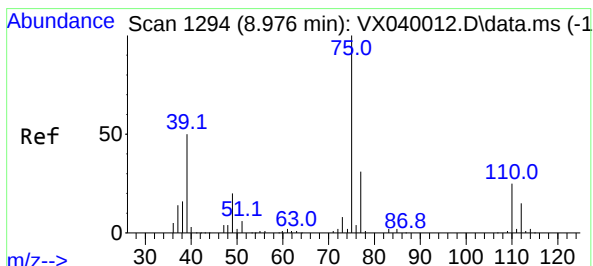
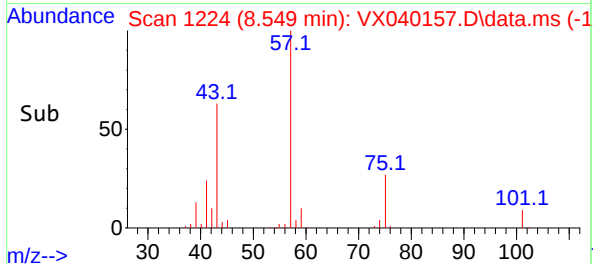
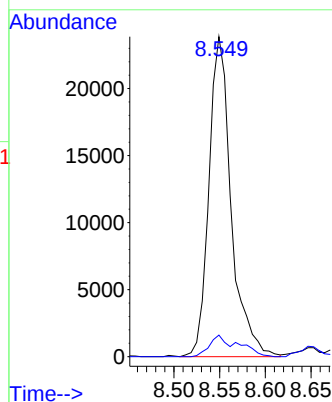
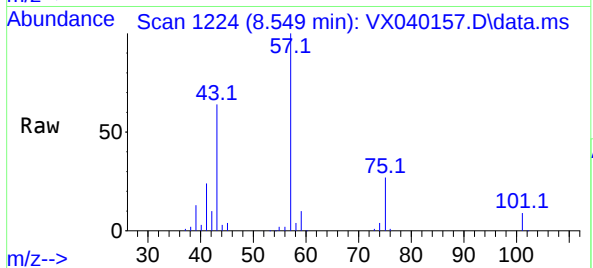




#51
4-Methyl-2-Pentanone
Concen: 36.494 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX040157.D
Acq: 07 Feb 2024 17:14

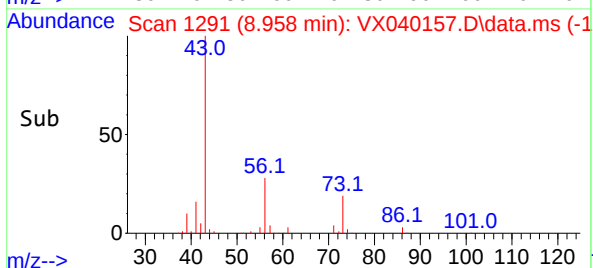
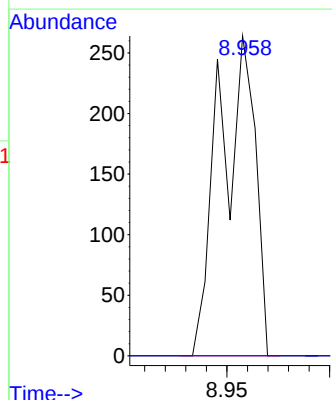
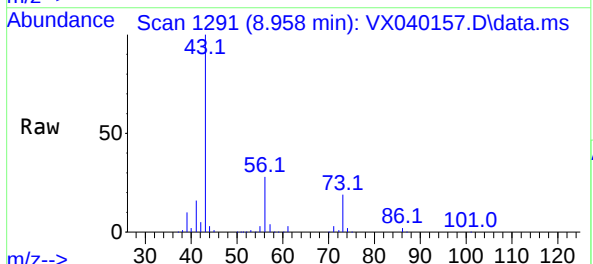
Instrument :
MSVOA_X
ClientSampleId :
TP-5RE

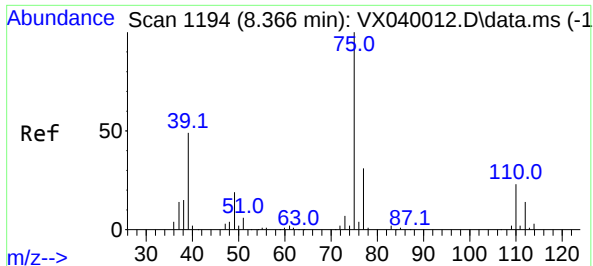
Tgt Ion: 43 Resp: 40398
Ion Ratio Lower Upper
43 100
58 5.2 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.317 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX040157.D
Acq: 07 Feb 2024 17:14

Tgt Ion: 75 Resp: 318
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

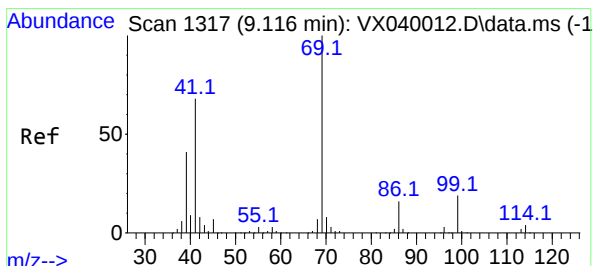
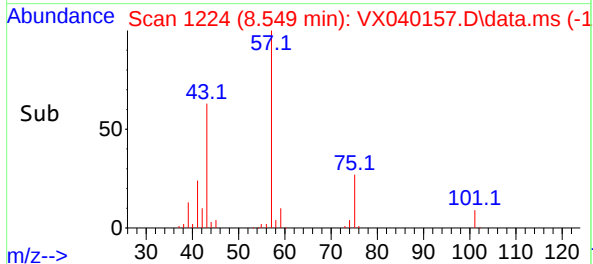
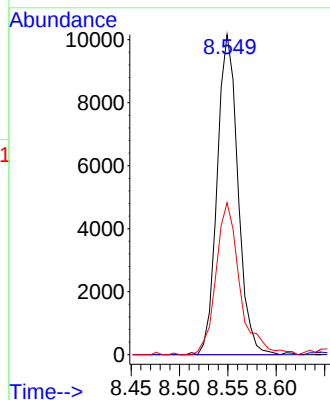
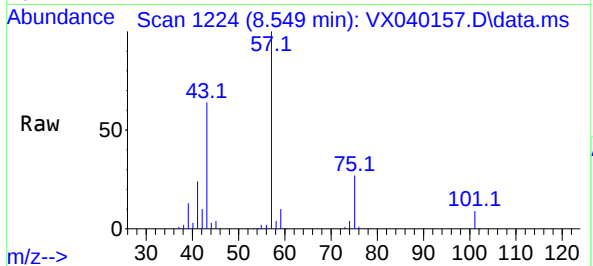




#54
cis-1,3-Dichloropropene
Concen: 14.168 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX040157.D
Acq: 07 Feb 2024 17:14

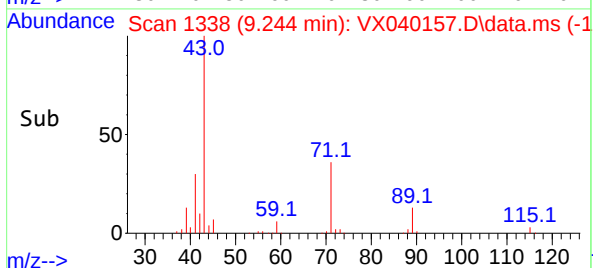
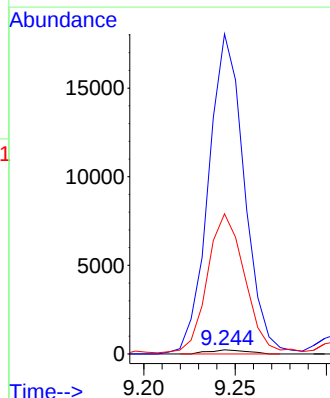
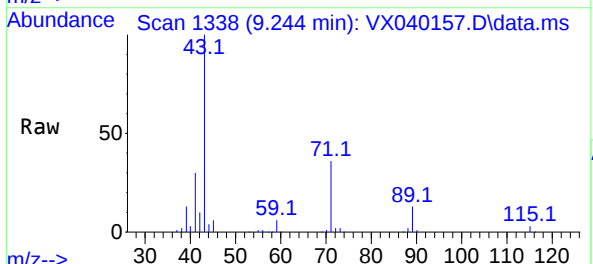
Instrument :
MSVOA_X
ClientSampleId :
TP-5RE

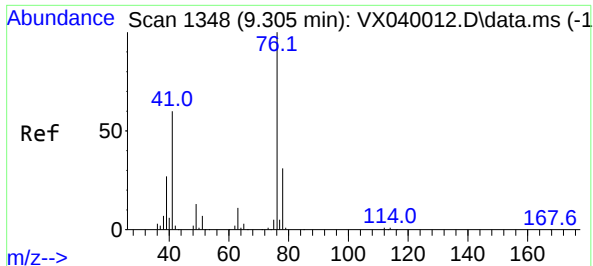
Tgt Ion: 75 Resp: 15177
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 47.5 46.7 70.1



#56
Ethyl methacrylate
Concen: 0.319 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX040157.D
Acq: 07 Feb 2024 17:14

Tgt Ion: 69 Resp: 330
Ion Ratio Lower Upper
69 100
41 7502.1 56.8 85.2#
39 3380.9 32.0 48.0#

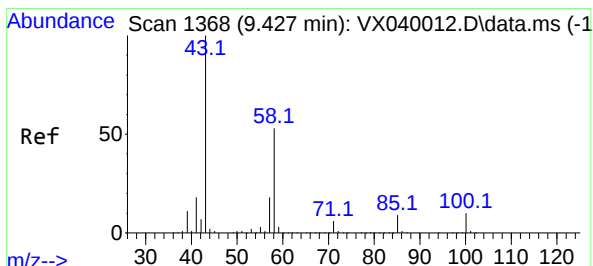
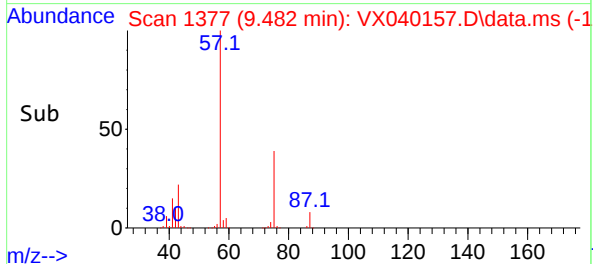
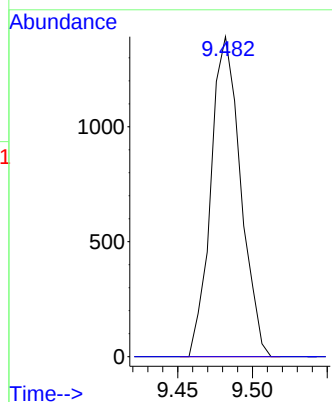
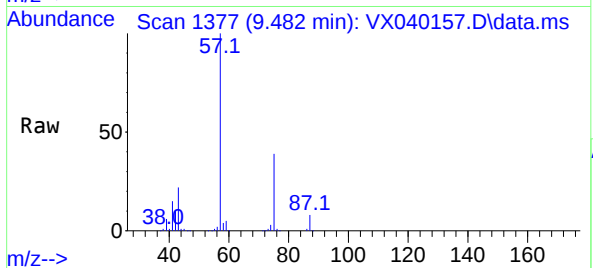




#57
1,3-Dichloropropane
Concen: 1.654 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.177 min
Lab File: VX040157.D
Acq: 07 Feb 2024 17:14

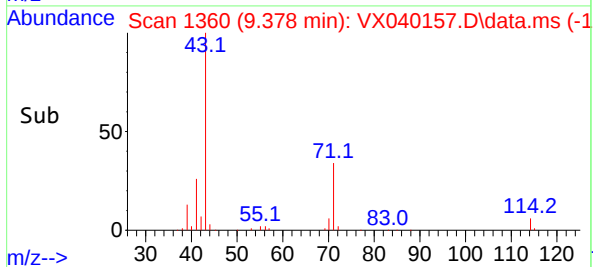
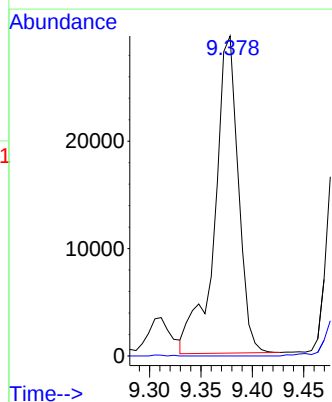
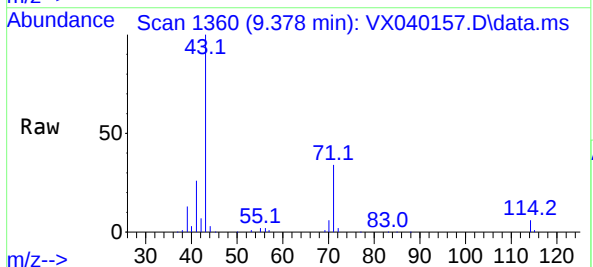
Instrument :
MSVOA_X
ClientSampleId :
TP-5RE

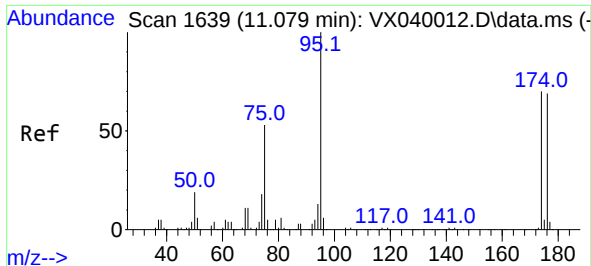
Tgt Ion: 76 Resp: 1928
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 53.343 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.049 min
Lab File: VX040157.D
Acq: 07 Feb 2024 17:14

Tgt Ion: 43 Resp: 47081
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#

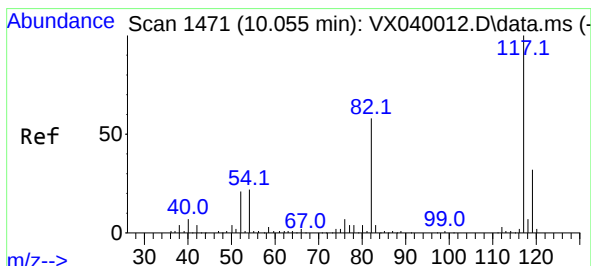
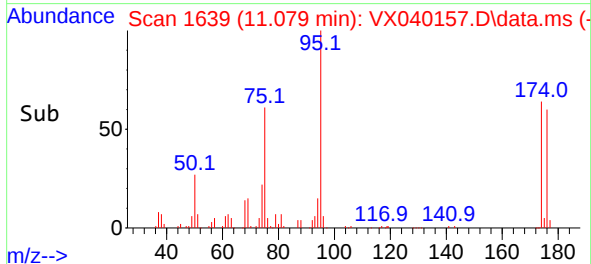
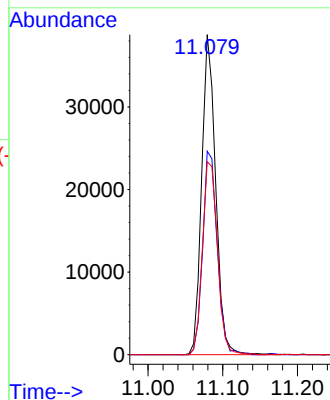
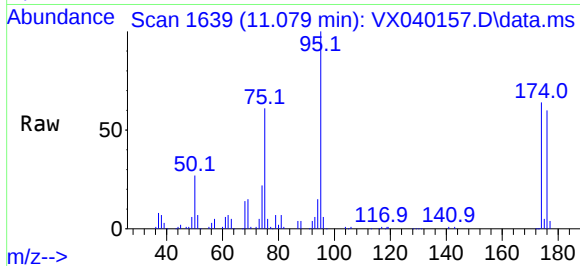




#62
4-Bromofluorobenzene
Concen: 53.507 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040157.D
Acq: 07 Feb 2024 17:14

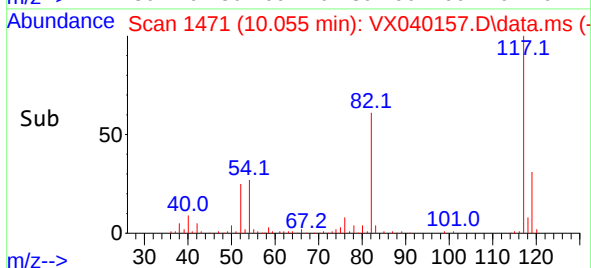
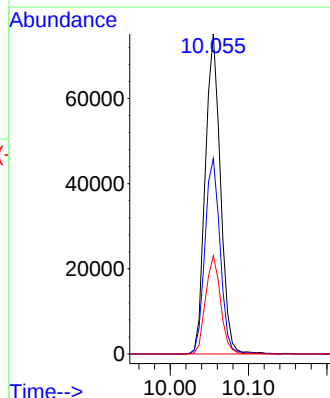
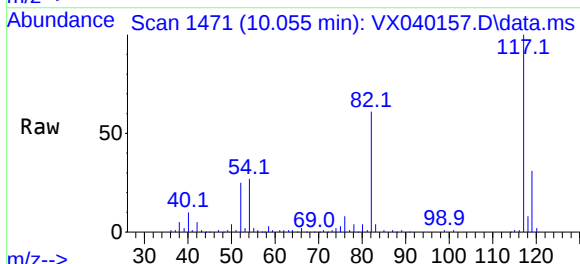
Instrument :
MSVOA_X
ClientSampleId :
TP-5RE

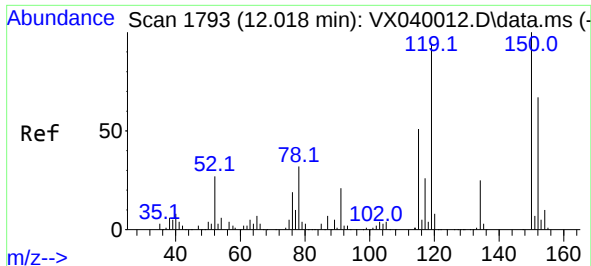
Tgt Ion: 95 Resp: 50163
Ion Ratio Lower Upper
95 100
174 66.3 0.0 135.6
176 65.1 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040157.D
Acq: 07 Feb 2024 17:14

Tgt Ion: 117 Resp: 101196
Ion Ratio Lower Upper
117 100
82 61.1 46.2 69.4
119 30.7 25.5 38.3

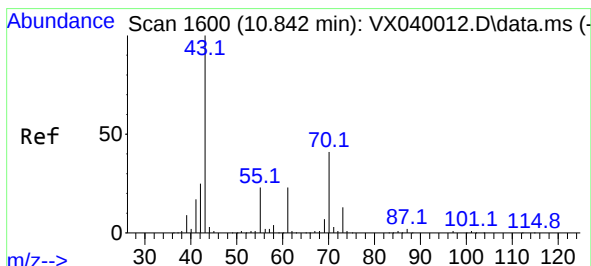
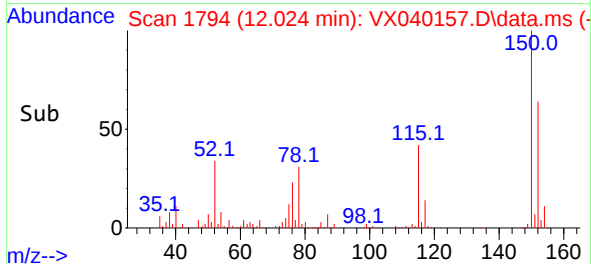
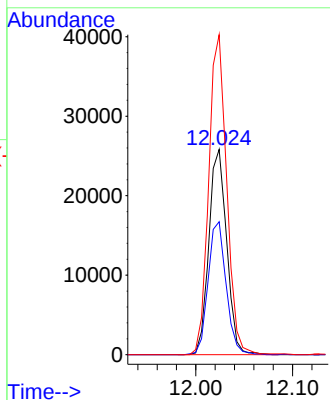
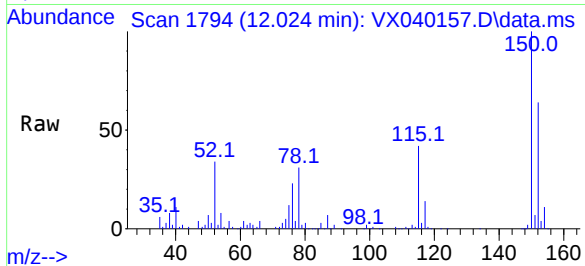




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040157.D
Acq: 07 Feb 2024 17:14

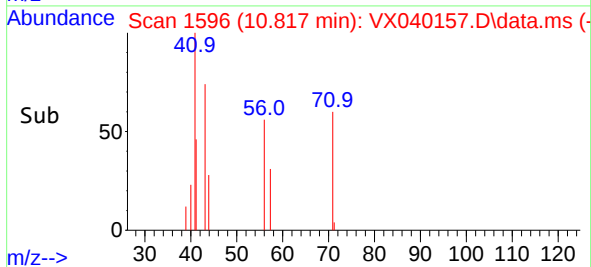
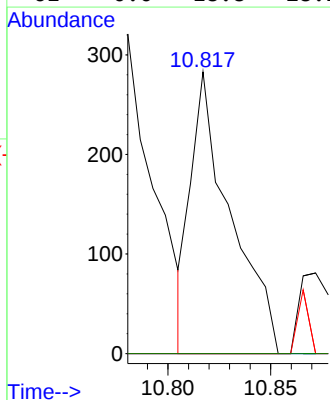
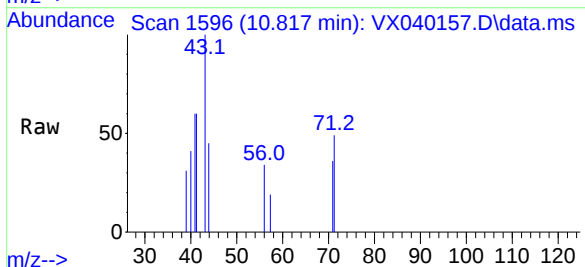
Instrument :
MSVOA_X
ClientSampleId :
TP-5RE

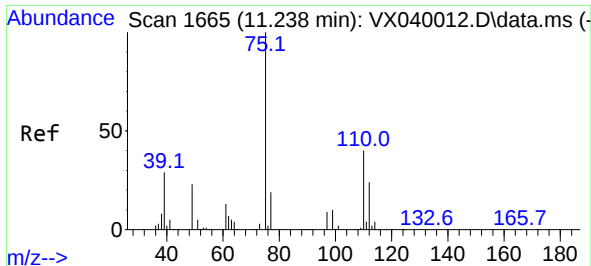
Tgt Ion:152 Resp: 33082
Ion Ratio Lower Upper
152 100
115 65.4 43.3 129.9
150 156.9 0.0 345.0



#74
N-ethyl acetate
Concen: 0.551 ug/l
RT: 10.817 min Scan# 1596
Delta R.T. -0.025 min
Lab File: VX040157.D
Acq: 07 Feb 2024 17:14

Tgt Ion: 43 Resp: 379
Ion Ratio Lower Upper
43 100
70 0.0 32.9 49.3#
55 0.0 19.3 28.9#
61 0.0 18.8 28.2#

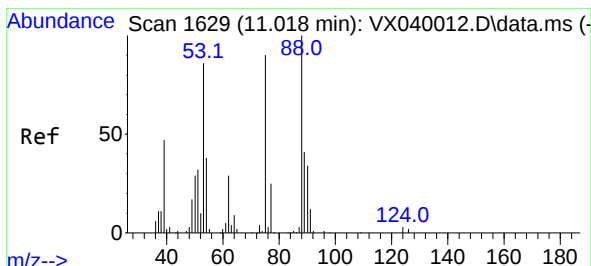
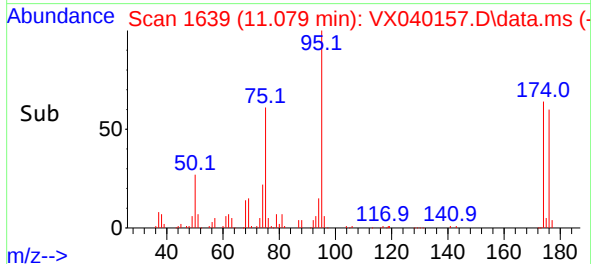
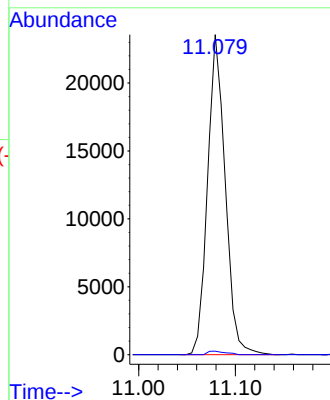
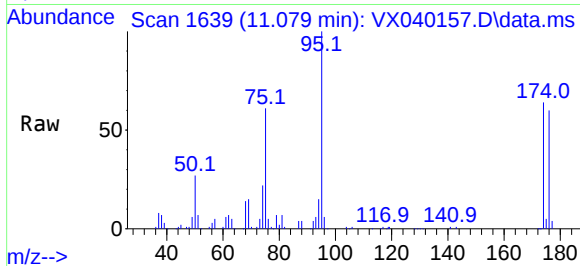




#76
1,2,3-Trichloropropane
Concen: 42.466 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX040157.D
Acq: 07 Feb 2024 17:14

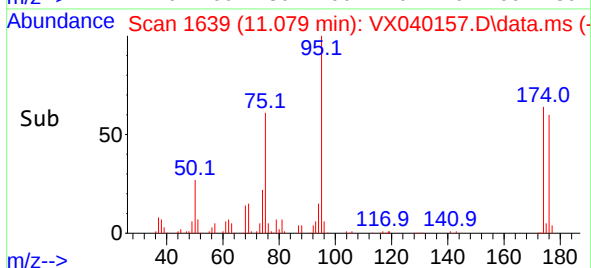
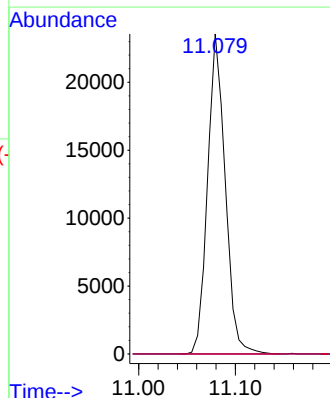
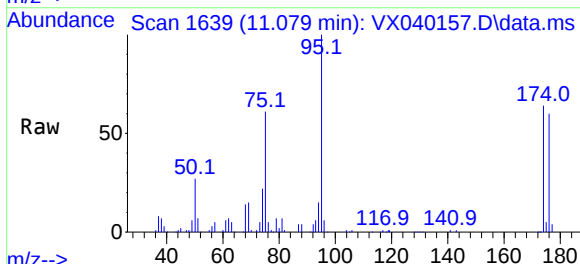
Instrument :
MSVOA_X
ClientSampleId :
TP-5RE

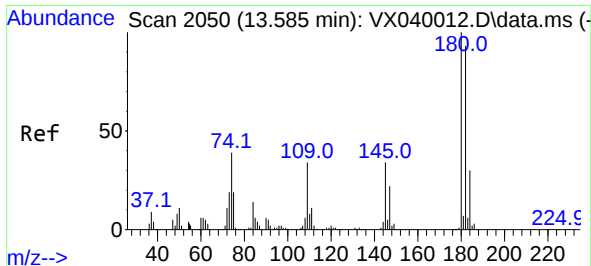
Tgt Ion: 75 Resp: 29917
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.824 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040157.D
Acq: 07 Feb 2024 17:14

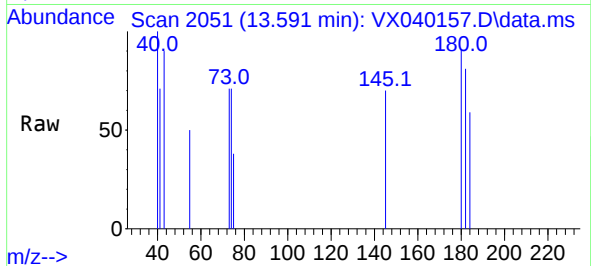
Tgt Ion: 75 Resp: 29917
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#93
 1,2,4-Trichlorobenzene
 Concen: 0.300 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.006 min
 Lab File: VX040157.D
 Acq: 07 Feb 2024 17:14

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-5RE



Tgt Ion:	180	Resp:	200
Ion	Ratio	Lower	Upper
180	100		
182	105.0	48.3	144.8
145	55.0	18.0	54.0#

