

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101722\
 Data File : VX032169.D
 Acq On : 17 Oct 2022 21:18
 Operator : JC/MD
 Sample : N5159-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-33

Quant Time: Oct 18 04:26:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 04:18:35 2022
 Response via : Initial Calibration

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

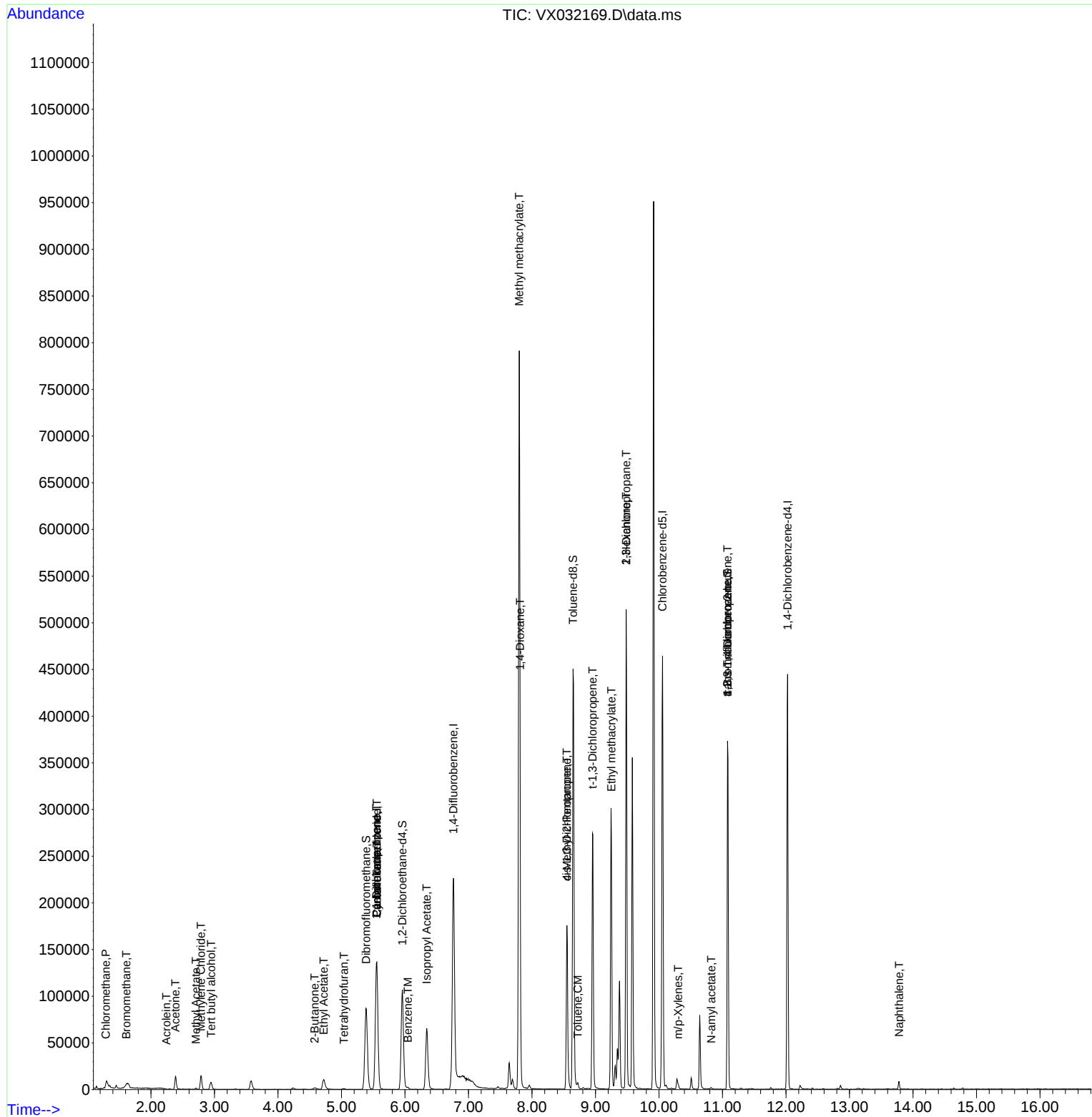
Internal Standards						
1) Pentafluorobenzene	5.556	168	121455	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	210241	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	194534	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	87250	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	103385	53.445	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.900%	
35) Dibromofluoromethane	5.385	113	72892	50.813	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.620%	
50) Toluene-d8	8.647	98	262229	52.116	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.240%	
62) 4-Bromofluorobenzene	11.079	95	96720	50.487	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.980%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	421	0.326	ug/l	95
5) Bromomethane	1.612	94	552	0.518	ug/l	98
11) Tert butyl alcohol	2.947	59	4653	17.489	ug/l #	73
13) Acrolein	2.239	56	46	0.205	ug/l #	1
16) Acetone	2.386	43	15491	33.306	ug/l	93
18) Methyl Acetate	2.709	43	1468	0.775	ug/l #	85
20) Methylene Chloride	2.788	84	6329	4.426	ug/l	96
25) 2-Butanone	4.574	43	2097	2.110	ug/l #	89
29) Tetrahydrofuran	5.038	42	639	1.072	ug/l #	86
31) Cyclohexane	5.556	56	3296	1.529	ug/l #	38
36) 1,1-Dichloropropene	5.550	75	10603	5.109	ug/l #	51
37) Ethyl Acetate	4.721	43	18714	8.986	ug/l	99
38) Carbon Tetrachloride	5.556	117	13392	6.093	ug/l #	17
40) Benzene	6.044	78	2524	0.435	ug/l	94
43) Isopropyl Acetate	6.342	43	86580	27.587	ug/l	99
48) Methyl methacrylate	7.799	41	65854	41.402	ug/l #	46
49) 1,4-Dioxane	7.812	88	83	2.545	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	61603	32.009	ug/l #	51
52) Toluene	8.720	92	2125	0.575	ug/l	91
53) t-1,3-Dichloropropene	8.952	75	675	0.366	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	28180	12.999	ug/l #	64
56) Ethyl methacrylate	9.250	69	818	0.408	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4252	1.727	ug/l #	43
59) 2-Hexanone	9.482	43	59145	41.483	ug/l #	51
68) m/p-Xylenes	10.299	106	794	0.276	ug/l #	65
74) N-amyl acetate	10.823	43	617	0.267	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	54459	28.787	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	54459	110.819	ug/l #	11
95) Naphthalene	13.780	128	5351	0.972	ug/l	96

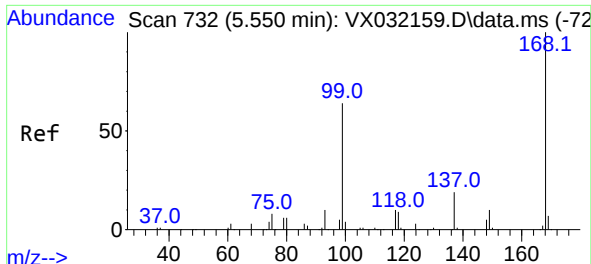
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 18 04:26:25 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101722W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

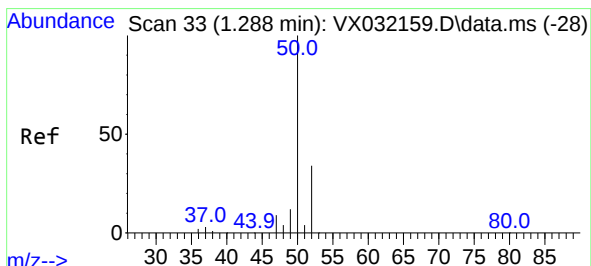
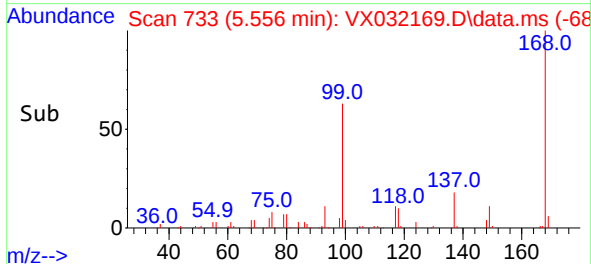
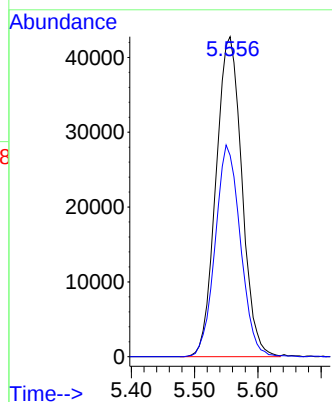
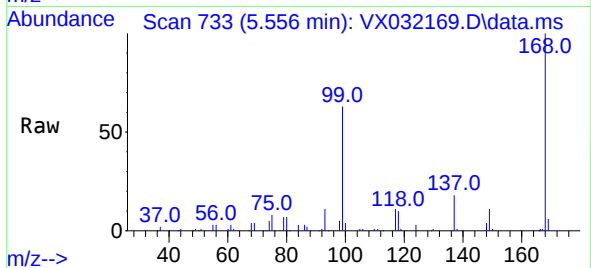




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX032169.D
Acq: 17 Oct 2022 21:18

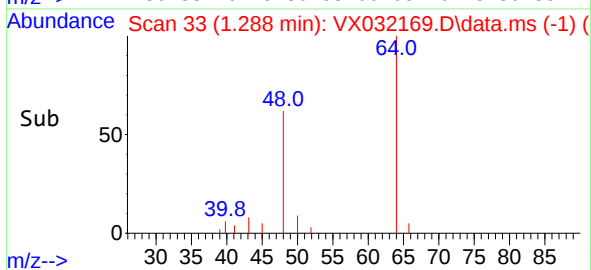
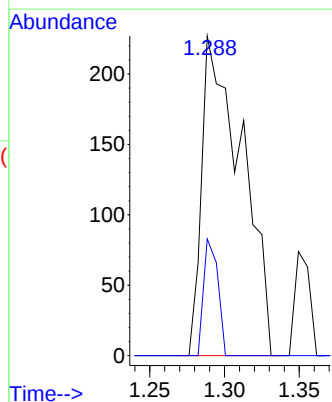
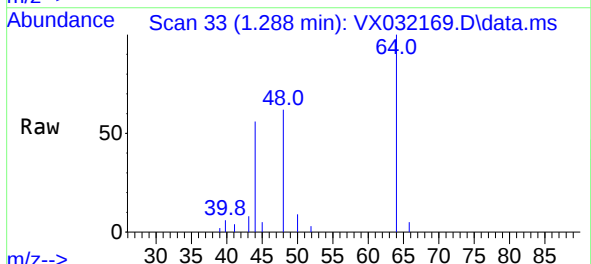
Instrument :
MSVOA_X
ClientSampleId :
SB-33

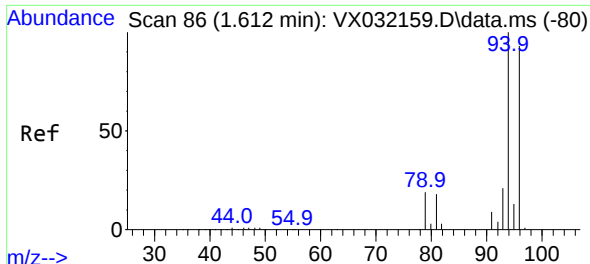
Tgt Ion:168 Resp: 121455
Ion Ratio Lower Upper
168 100
99 62.9 48.8 73.2



#3
Chloromethane
Concen: 0.326 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX032169.D
Acq: 17 Oct 2022 21:18

Tgt Ion: 50 Resp: 421
Ion Ratio Lower Upper
50 100
52 36.6 26.9 40.3

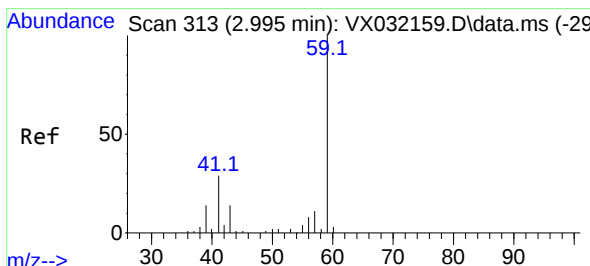
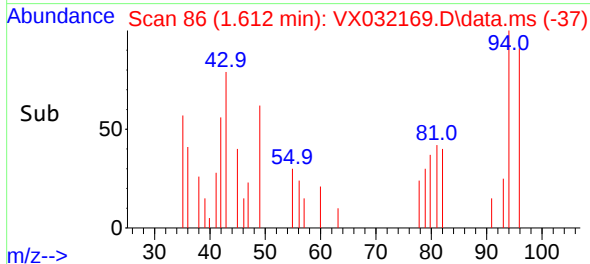
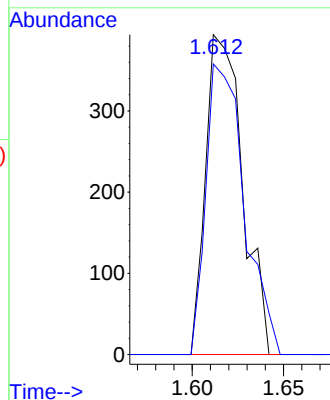
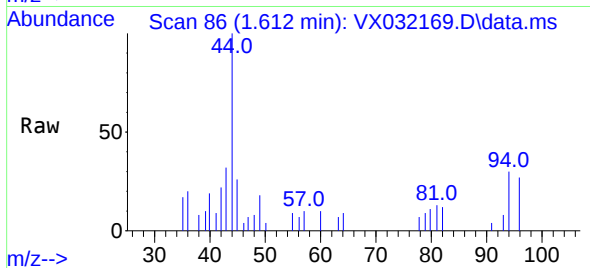




#5
Bromomethane
Concen: 0.518 ug/l
RT: 1.612 min Scan# 80
Delta R.T. -0.000 min
Lab File: VX032169.D
Acq: 17 Oct 2022 21:18

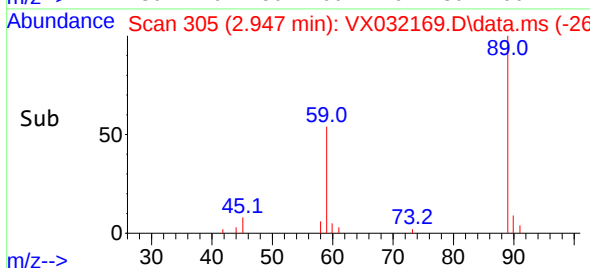
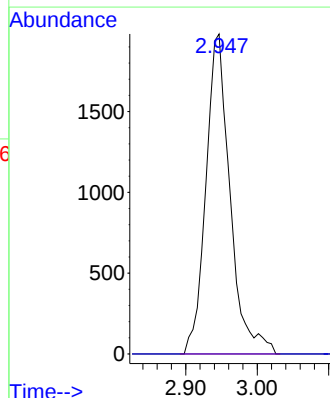
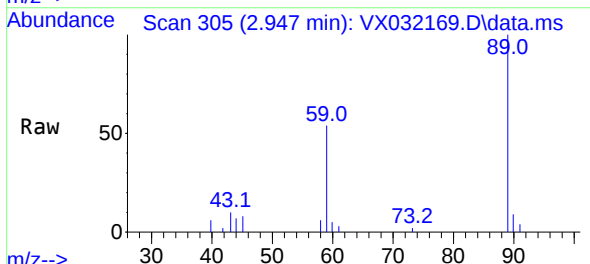
Instrument :
MSVOA_X
Client SampleId :
SB-33

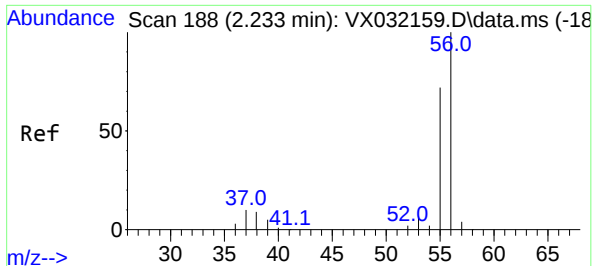
Tgt Ion: 94 Resp: 552
Ion Ratio Lower Upper
94 100
96 90.9 74.4 111.6



#11
Tert butyl alcohol
Concen: 17.489 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.048 min
Lab File: VX032169.D
Acq: 17 Oct 2022 21:18

Tgt Ion: 59 Resp: 4653
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

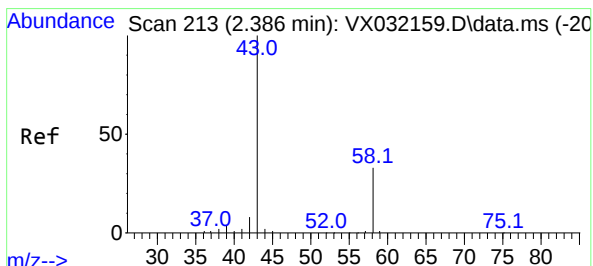
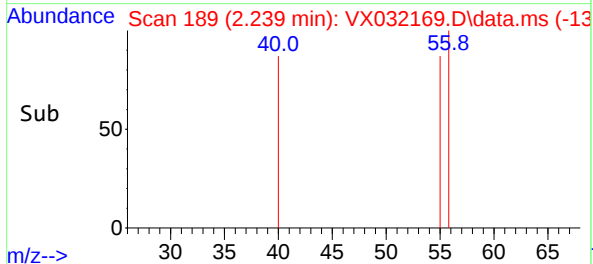
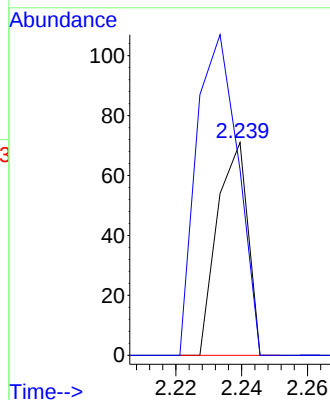
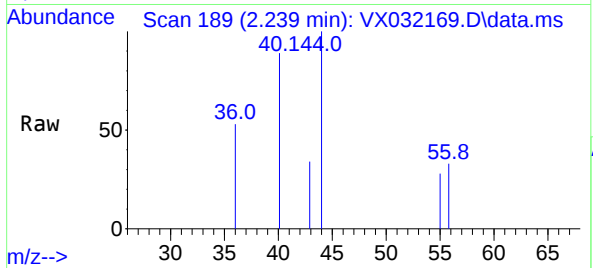




#13
Acrolein
Concen: 0.205 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX032169.D
Acq: 17 Oct 2022 21:18

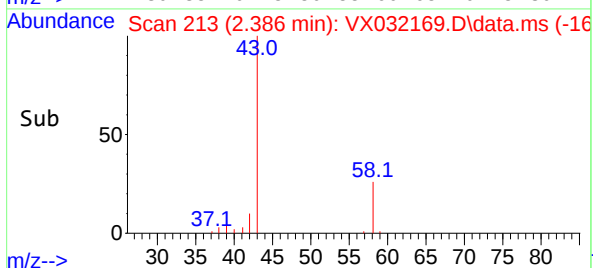
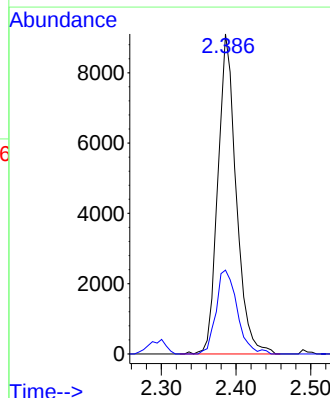
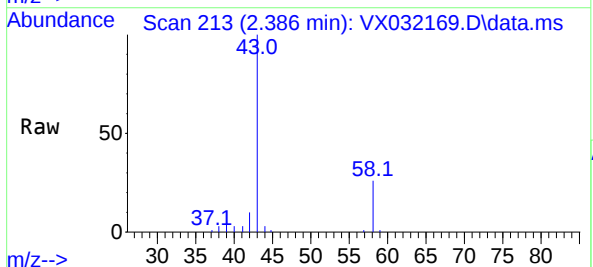
Instrument :
MSVOA_X
ClientSampleId :
SB-33

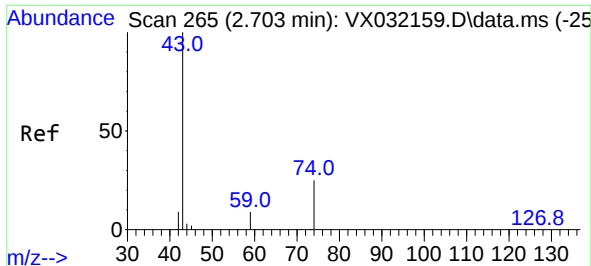
Tgt Ion: 56 Resp: 46
Ion Ratio Lower Upper
56 100
55 204.3 56.0 84.0#



#16
Acetone
Concen: 33.306 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX032169.D
Acq: 17 Oct 2022 21:18

Tgt Ion: 43 Resp: 15491
Ion Ratio Lower Upper
43 100
58 26.2 23.8 35.8

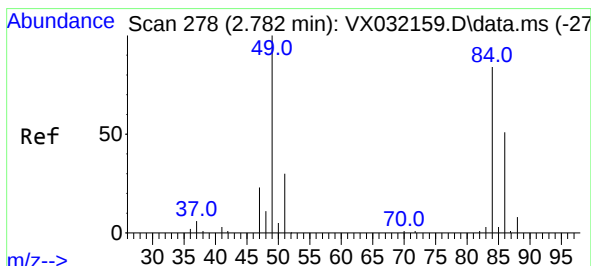
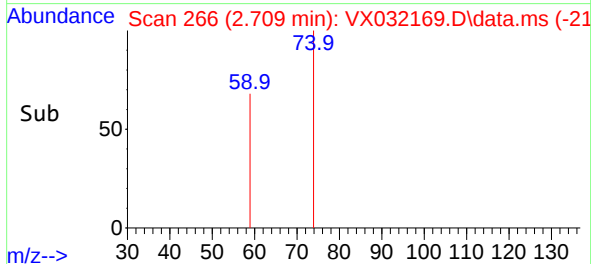
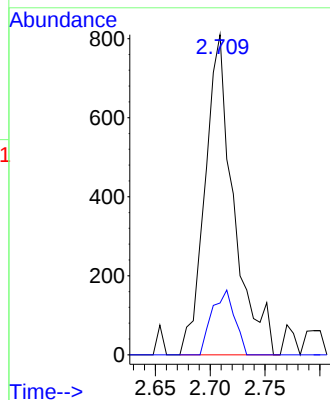
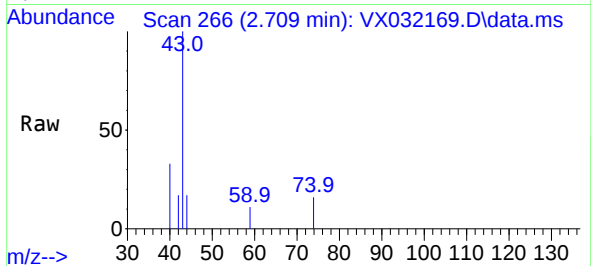




#18
Methyl Acetate
Concen: 0.775 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX032169.D
Acq: 17 Oct 2022 21:18

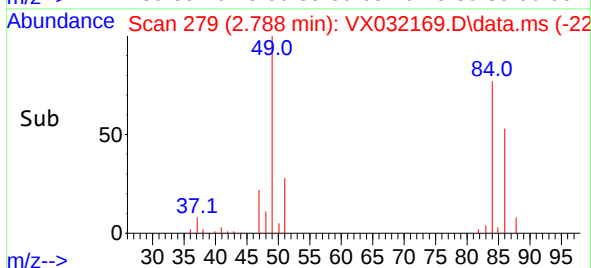
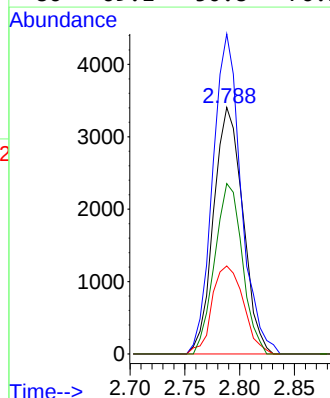
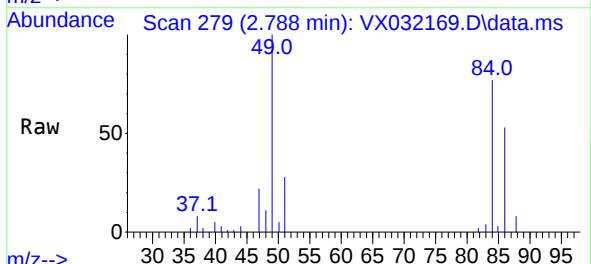
Instrument :
MSVOA_X
ClientSampleId :
SB-33

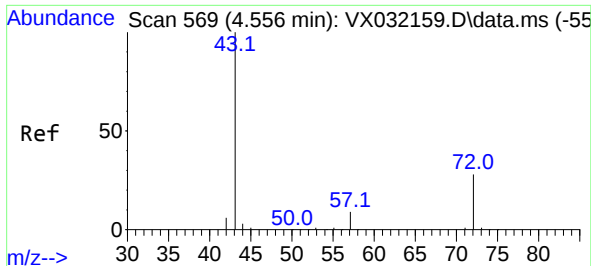
Tgt Ion: 43 Resp: 1468
Ion Ratio Lower Upper
43 100
74 16.1 18.6 27.8#



#20
Methylene Chloride
Concen: 4.426 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX032169.D
Acq: 17 Oct 2022 21:18

Tgt Ion: 84 Resp: 6329
Ion Ratio Lower Upper
84 100
49 129.8 105.9 158.9
51 35.7 32.2 48.2
86 69.1 50.8 76.2





#25

2-Butanone

Concen: 2.110 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX032169.D

Acq: 17 Oct 2022 21:18

Instrument :

MSVOA_X

ClientSampleId :

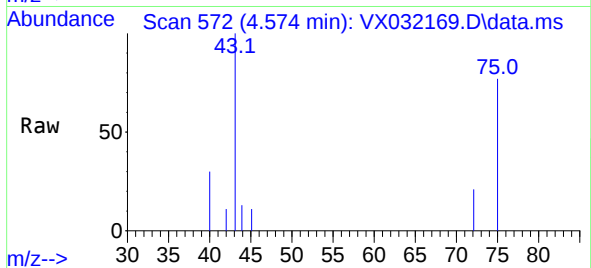
SB-33

Tgt Ion: 43 Resp: 2097

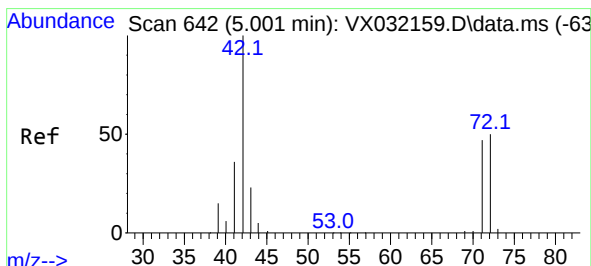
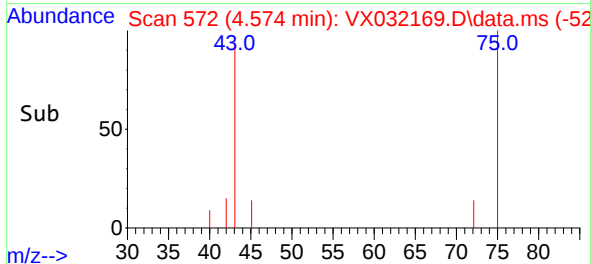
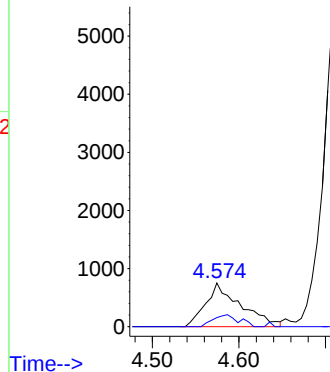
Ion Ratio Lower Upper

43 100

72 20.8 21.1 31.7#



Abundance



#29

Tetrahydrofuran

Concen: 1.072 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.037 min

Lab File: VX032169.D

Acq: 17 Oct 2022 21:18

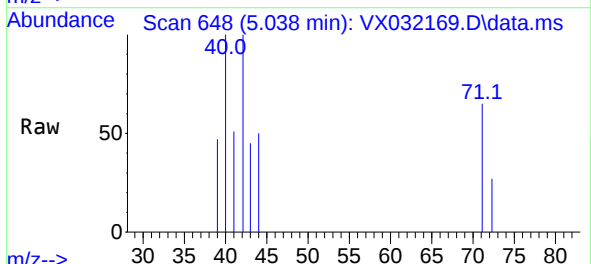
Tgt Ion: 42 Resp: 639

Ion Ratio Lower Upper

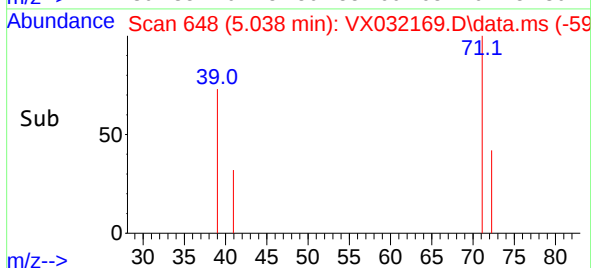
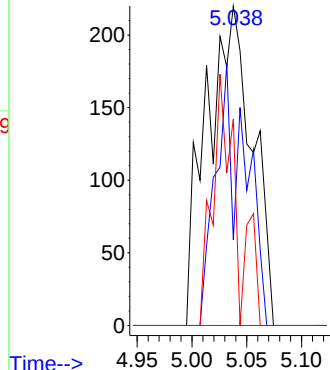
42 100

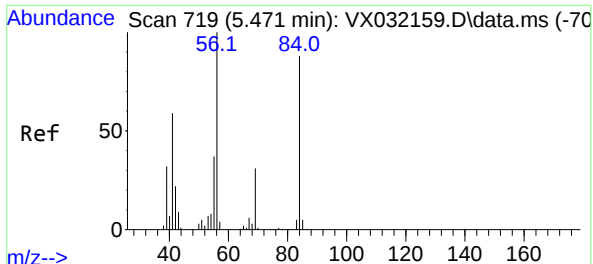
72 29.0 36.4 54.6#

71 41.3 33.5 50.3



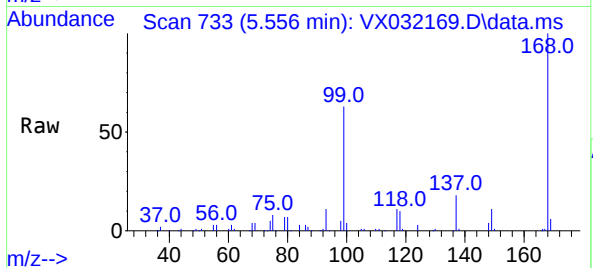
Abundance



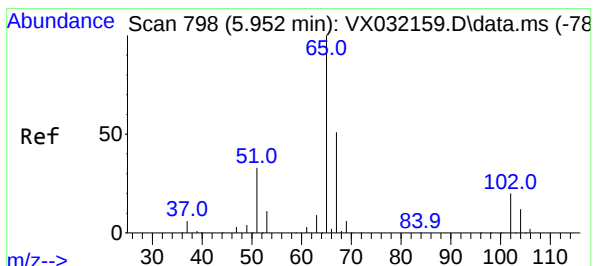
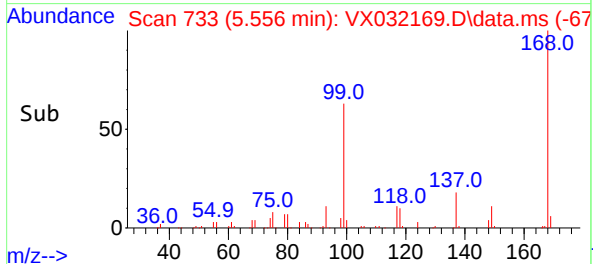
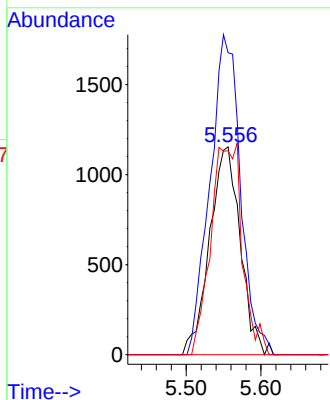


#31
Cyclohexane
Concen: 1.529 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX032169.D
Acq: 17 Oct 2022 21:18

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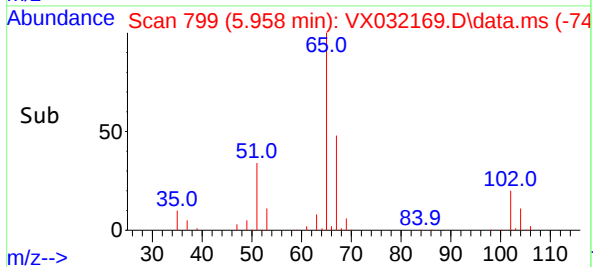
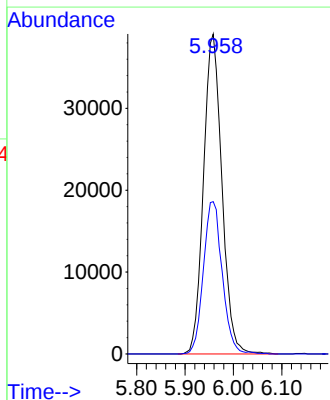
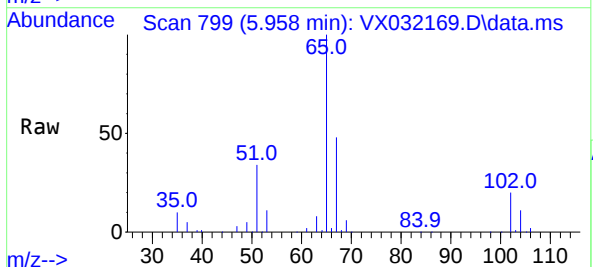


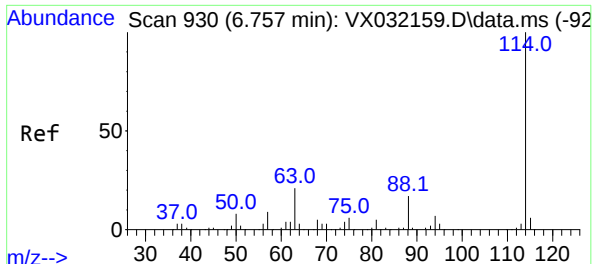
Tgt Ion: 56 Resp: 3296
Ion Ratio Lower Upper
56 100
69 145.3 25.1 37.7#
84 98.1 70.2 105.4



#33
1,2-Dichloroethane-d4
Concen: 53.445 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX032169.D
Acq: 17 Oct 2022 21:18

Tgt Ion: 65 Resp: 103385
Ion Ratio Lower Upper
65 100
67 48.8 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX032169.D

Acq: 17 Oct 2022 21:18

Instrument :

MSVOA_X

ClientSampleId :

SB-33

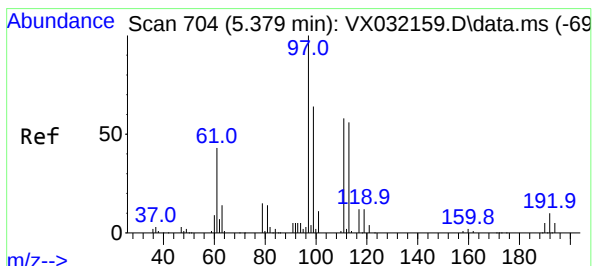
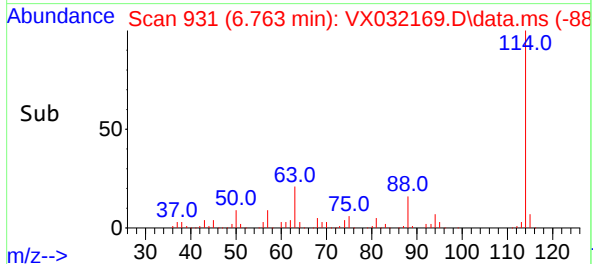
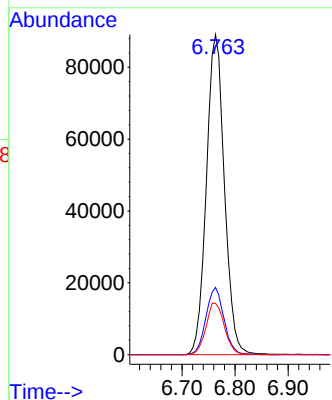
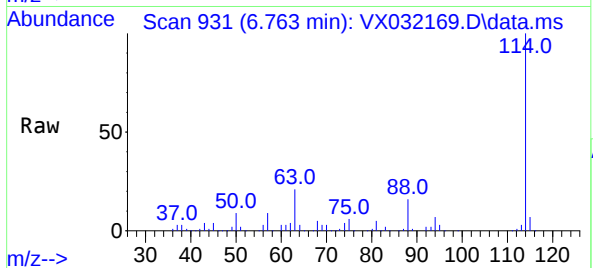
Tgt Ion:114 Resp: 210241

Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.6

88 16.0 0.0 33.0



#35

Dibromofluoromethane

Concen: 50.813 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX032169.D

Acq: 17 Oct 2022 21:18

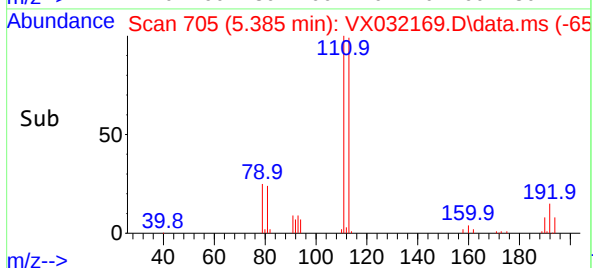
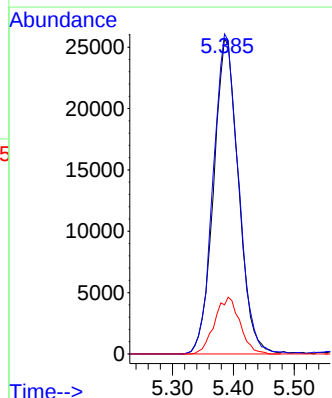
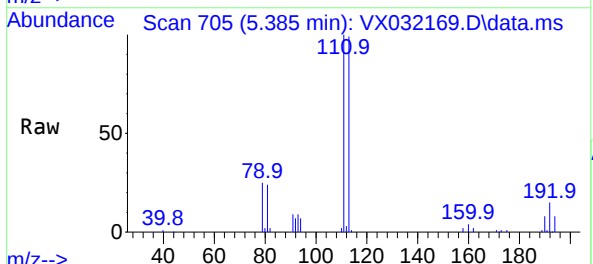
Tgt Ion:113 Resp: 72892

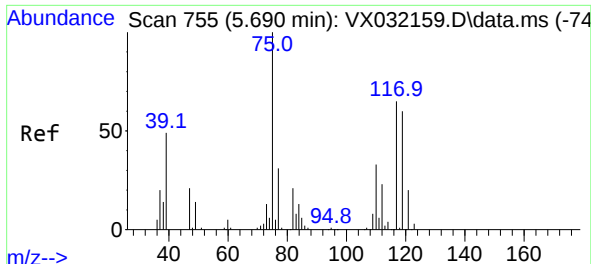
Ion Ratio Lower Upper

113 100

111 102.9 82.4 123.6

192 18.2 14.1 21.1





#36

1,1-Dichloropropene

Concen: 5.109 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX032169.D

Acq: 17 Oct 2022 21:18

Instrument :

MSVOA_X

ClientSampleId :

SB-33

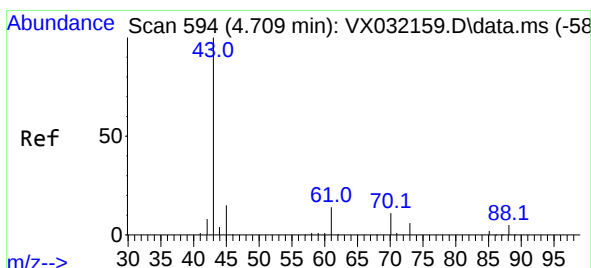
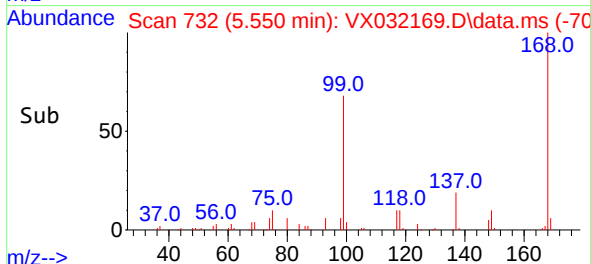
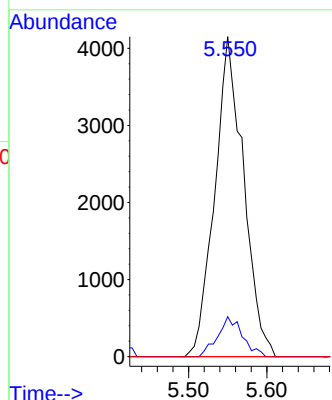
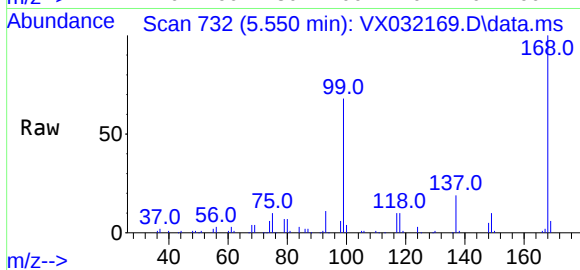
Tgt Ion: 75 Resp: 10603

Ion Ratio Lower Upper

75 100

110 10.7 17.5 52.5#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 8.986 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.012 min

Lab File: VX032169.D

Acq: 17 Oct 2022 21:18

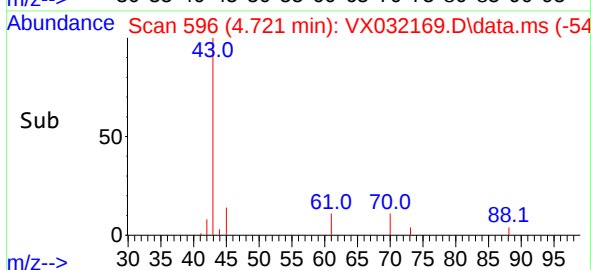
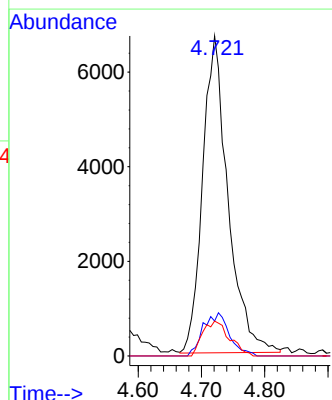
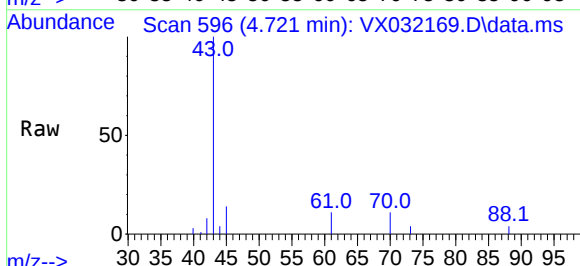
Tgt Ion: 43 Resp: 18714

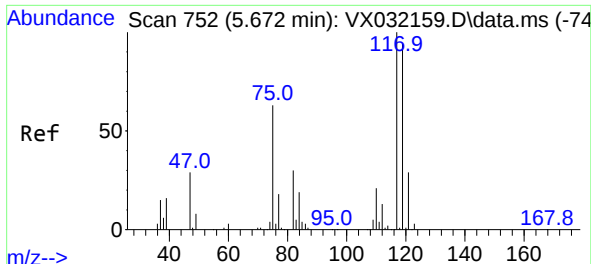
Ion Ratio Lower Upper

43 100

61 14.1 11.1 16.7

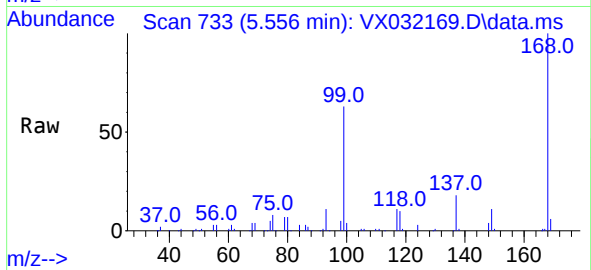
70 11.7 8.6 13.0



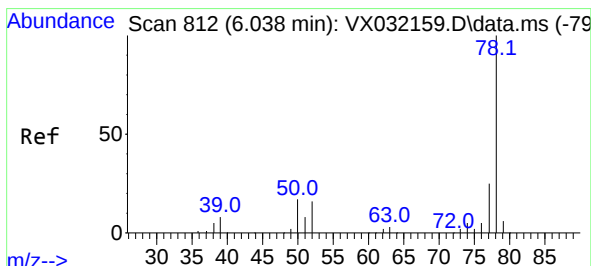
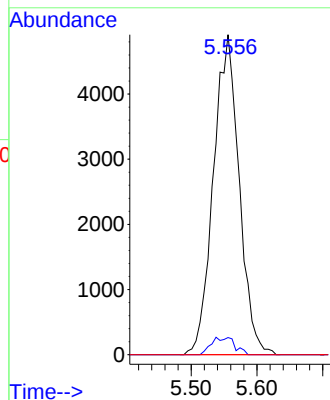
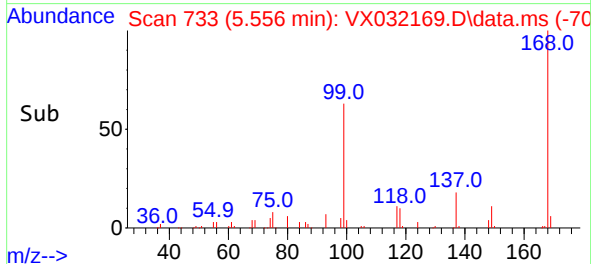


#38
Carbon Tetrachloride
Concen: 6.093 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX032169.D
Acq: 17 Oct 2022 21:18

Instrument :
MSVOA_X
ClientSampleId :
SB-33

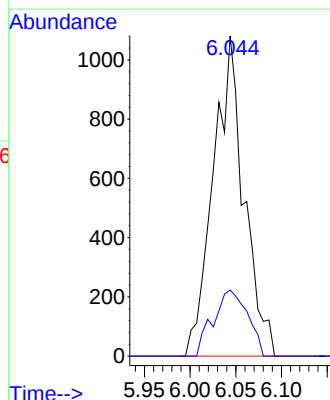
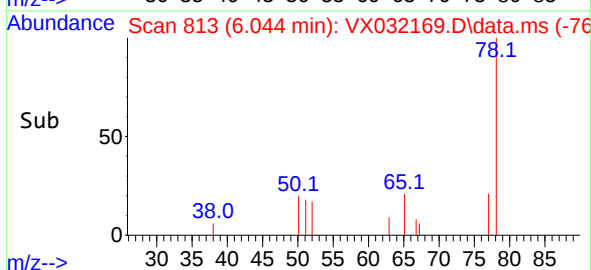
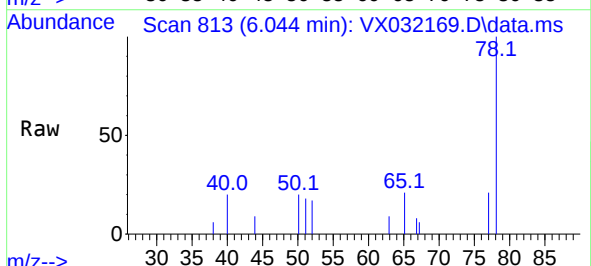


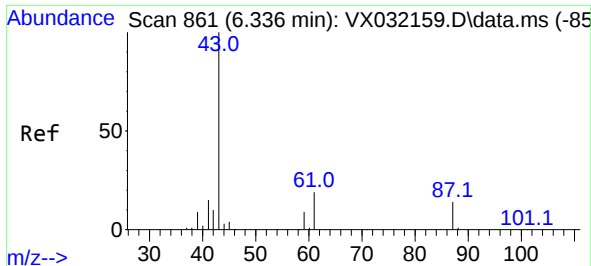
Tgt Ion:117 Resp: 13392
Ion Ratio Lower Upper
117 100
119 5.3 74.6 112.0#
121 0.0 25.3 37.9#



#40
Benzene
Concen: 0.435 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX032169.D
Acq: 17 Oct 2022 21:18

Tgt Ion: 78 Resp: 2524
Ion Ratio Lower Upper
78 100
77 20.6 18.7 28.1

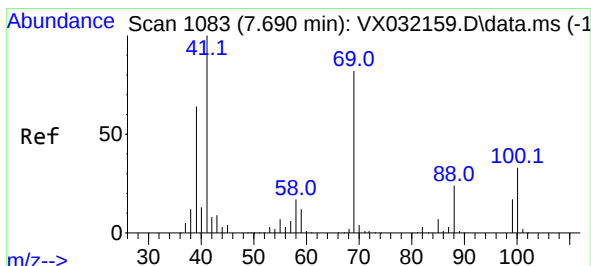
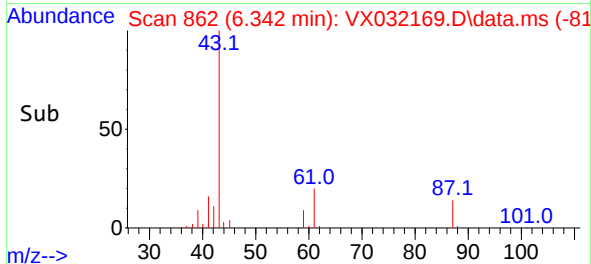
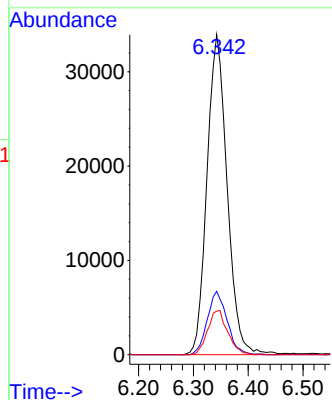
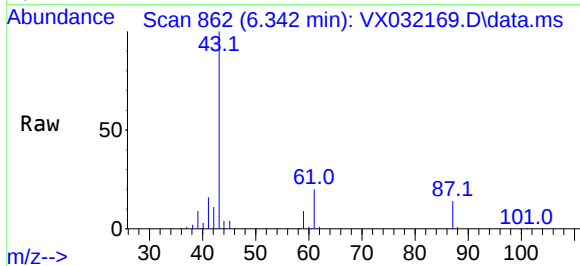




#43
Isopropyl Acetate
Concen: 27.587 ug/l
RT: 6.342 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX032169.D
Acq: 17 Oct 2022 21:18

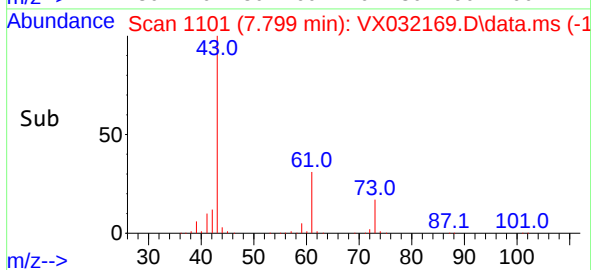
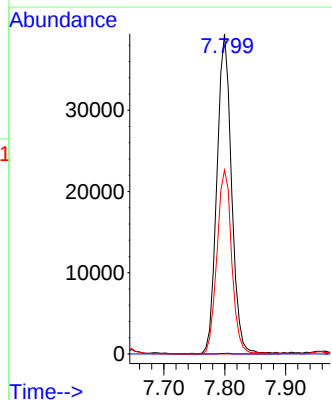
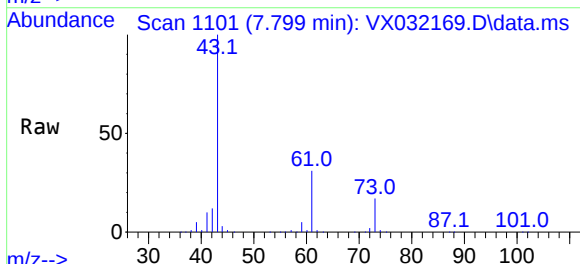
Instrument :
MSVOA_X
ClientSampleId :
SB-33

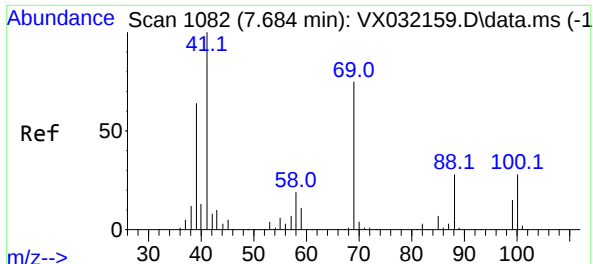
Tgt Ion: 43 Resp: 86580
Ion Ratio Lower Upper
43 100
61 19.4 15.3 22.9
87 13.7 10.6 15.8



#48
Methyl methacrylate
Concen: 41.402 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX032169.D
Acq: 17 Oct 2022 21:18

Tgt Ion: 41 Resp: 65854
Ion Ratio Lower Upper
41 100
69 0.1 64.6 96.8#
39 58.0 51.4 77.0

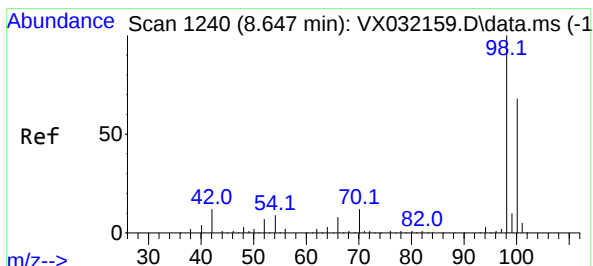
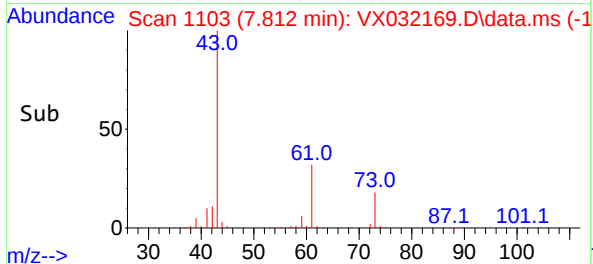
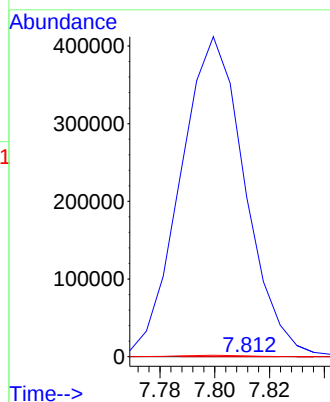
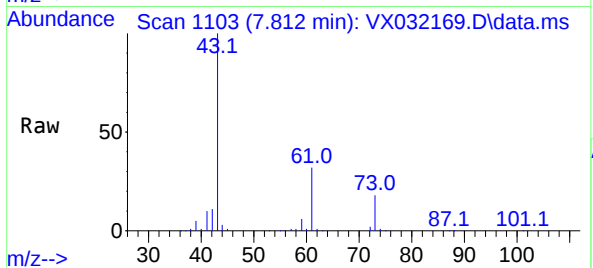




#49
1,4-Dioxane
Concen: 2.545 ug/l
RT: 7.812 min Scan# 1103
Delta R.T. 0.128 min
Lab File: VX032169.D
Acq: 17 Oct 2022 21:18

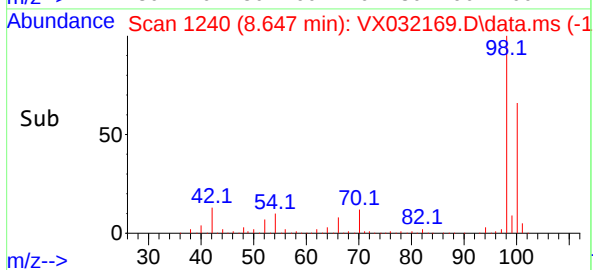
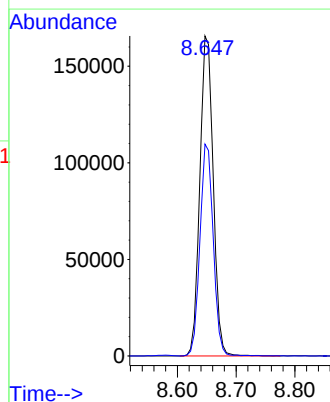
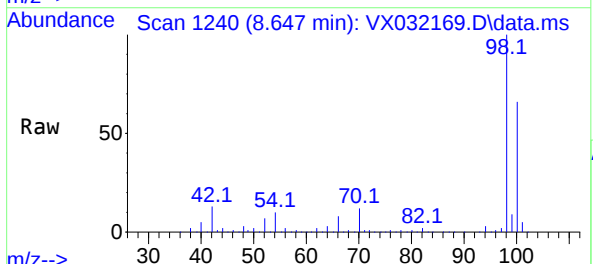
Instrument :
MSVOA_X
ClientSampleId :
SB-33

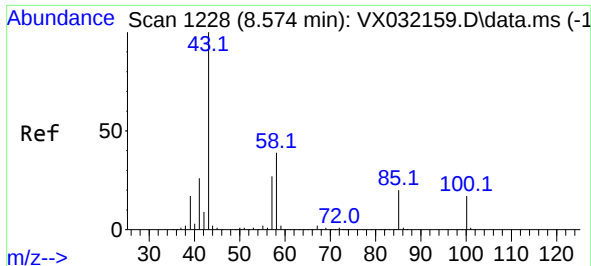
Tgt Ion: 88 Resp: 83
Ion Ratio Lower Upper
88 100
43 823149.4 27.1 40.7#
58 3748.2 53.9 80.9#



#50
Toluene-d8
Concen: 52.116 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX032169.D
Acq: 17 Oct 2022 21:18

Tgt Ion: 98 Resp: 262229
Ion Ratio Lower Upper
98 100
100 65.8 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 32.009 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX032169.D

Acq: 17 Oct 2022 21:18

Instrument :

MSVOA_X

ClientSampleId :

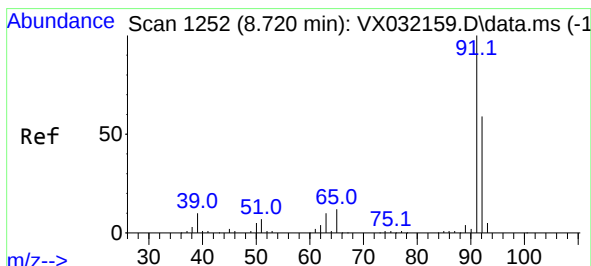
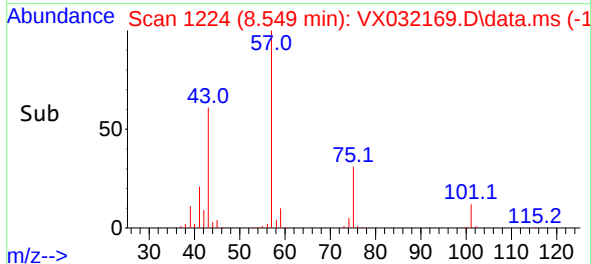
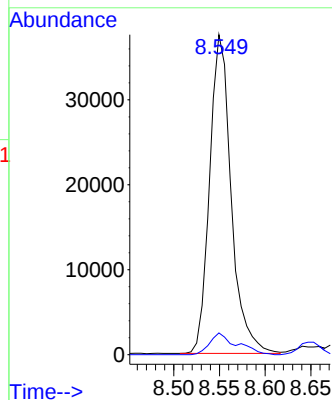
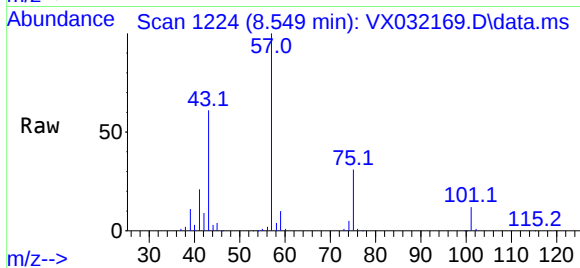
SB-33

Tgt Ion: 43 Resp: 61603

Ion Ratio Lower Upper

43 100

58 8.5 30.6 46.0#



#52

Toluene

Concen: 0.575 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX032169.D

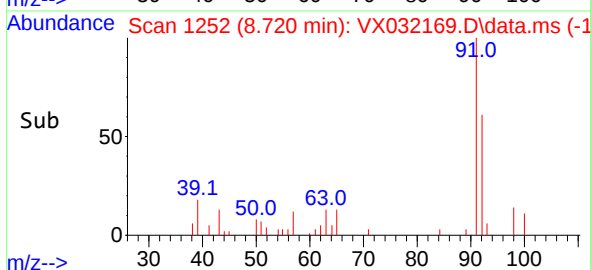
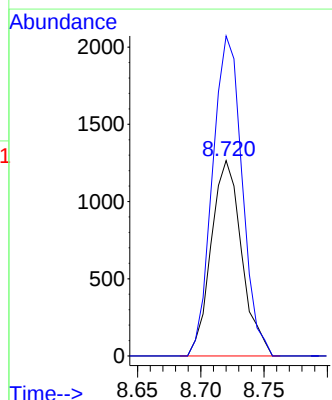
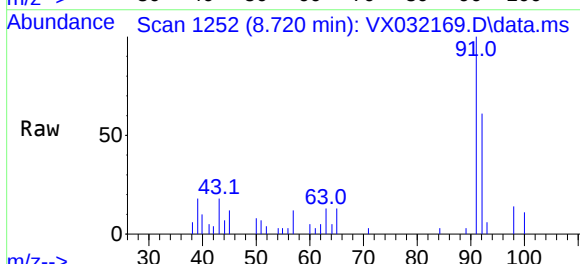
Acq: 17 Oct 2022 21:18

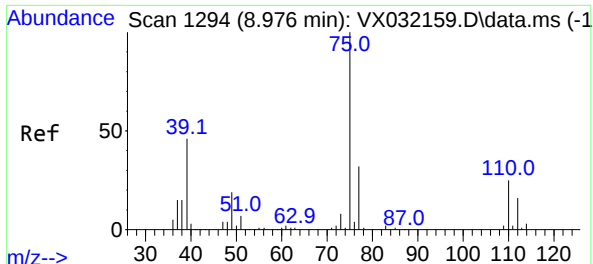
Tgt Ion: 92 Resp: 2125

Ion Ratio Lower Upper

92 100

91 159.1 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 0.366 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX032169.D

Acq: 17 Oct 2022 21:18

Instrument :

MSVOA_X

ClientSampleId :

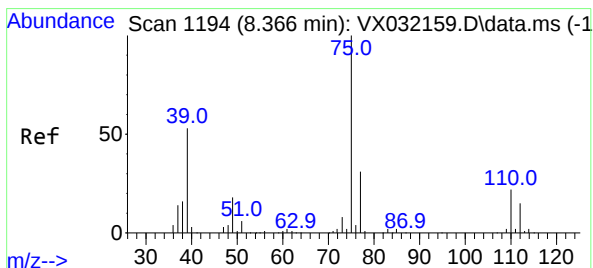
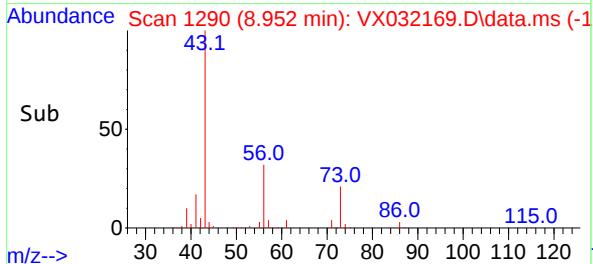
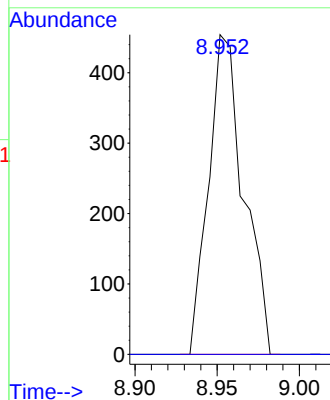
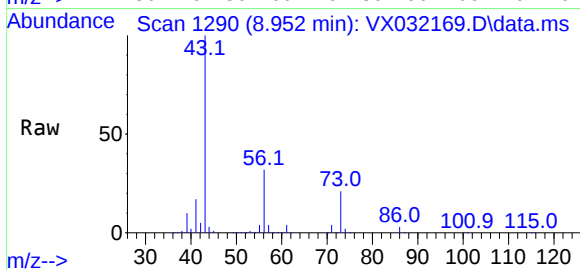
SB-33

Tgt Ion: 75 Resp: 675

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#



#54

cis-1,3-Dichloropropene

Concen: 12.999 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX032169.D

Acq: 17 Oct 2022 21:18

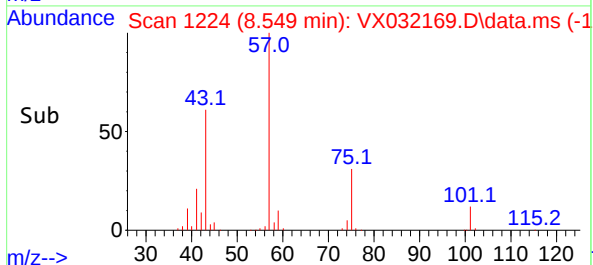
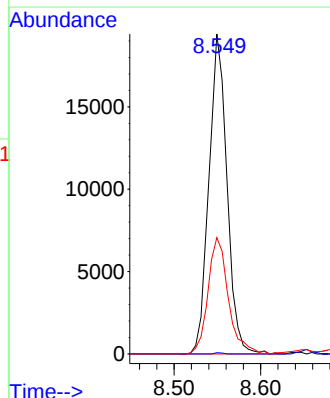
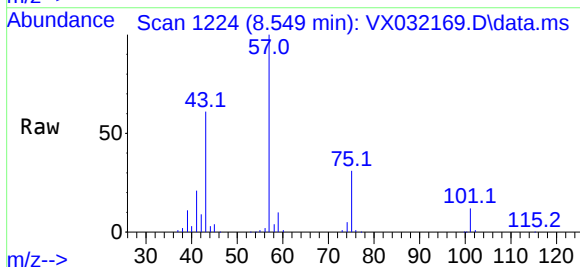
Tgt Ion: 75 Resp: 28180

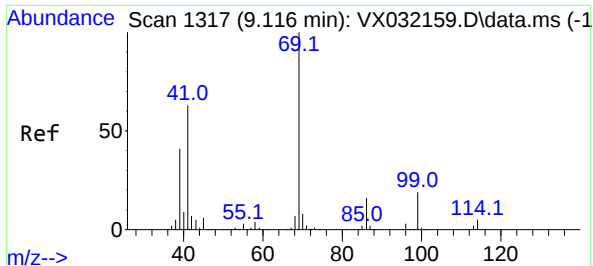
Ion Ratio Lower Upper

75 100

77 0.4 24.4 36.6#

39 36.4 43.7 65.5#

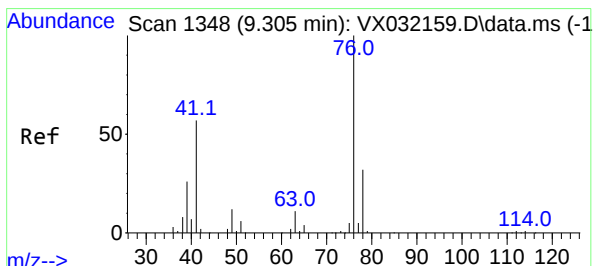
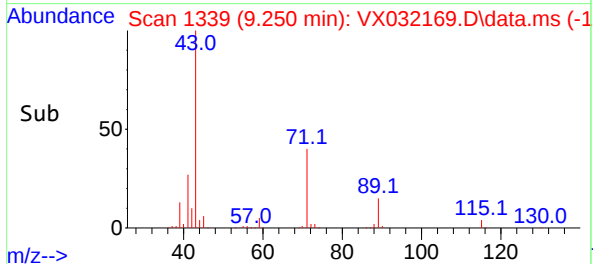
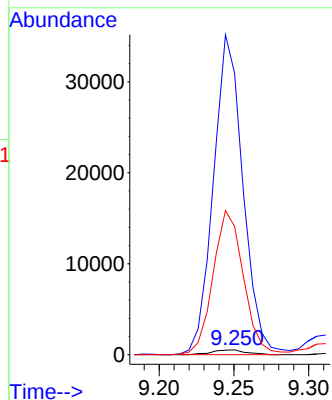
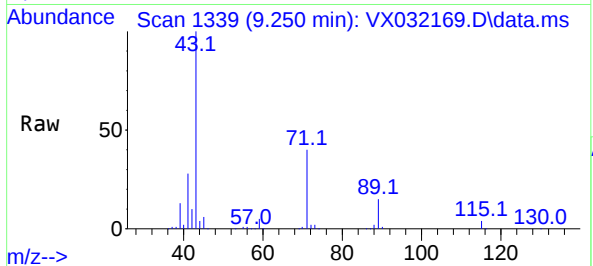




#56
Ethyl methacrylate
Concen: 0.408 ug/l
RT: 9.250 min Scan# 11
Delta R.T. 0.134 min
Lab File: VX032169.D
Acq: 17 Oct 2022 21:18

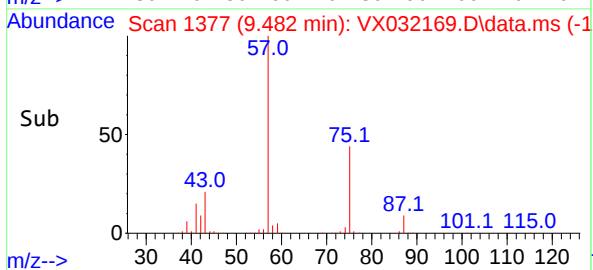
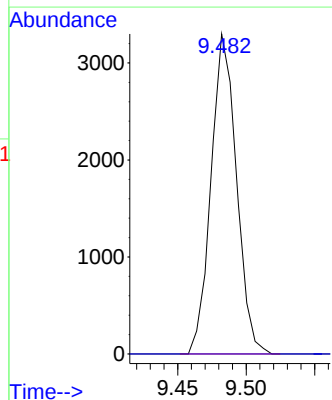
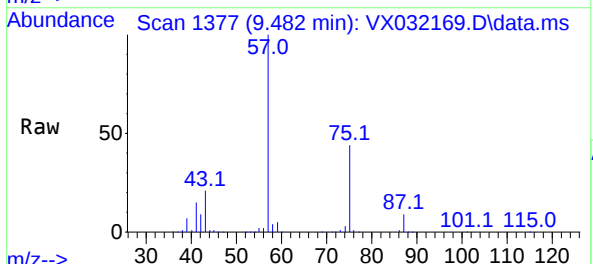
Instrument :
MSVOA_X
ClientSampleId :
SB-33

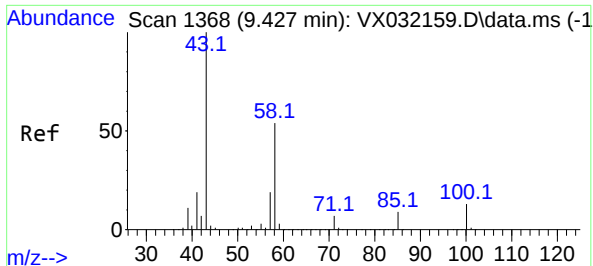
Tgt Ion: 69 Resp: 818
Ion Ratio Lower Upper
69 100
41 5930.9 54.2 81.4#
39 2748.3 34.2 51.2#



#57
1,3-Dichloropropane
Concen: 1.727 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX032169.D
Acq: 17 Oct 2022 21:18

Tgt Ion: 76 Resp: 4252
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#





#59

2-Hexanone

Concen: 41.483 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.055 min

Lab File: VX032169.D

Acq: 17 Oct 2022 21:18

Instrument :

MSVOA_X

ClientSampleId :

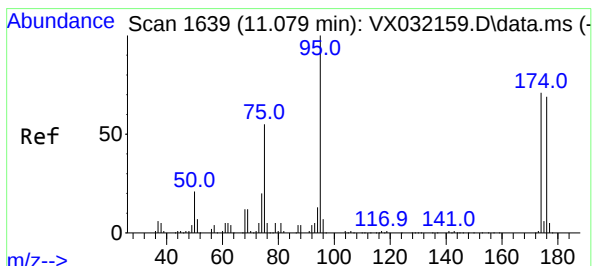
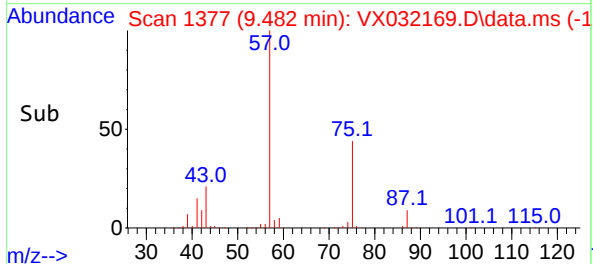
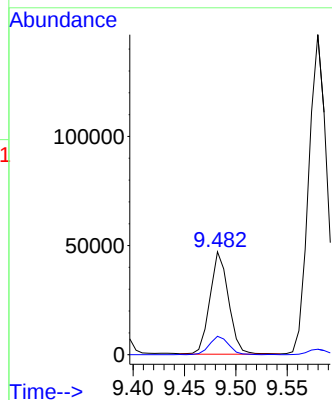
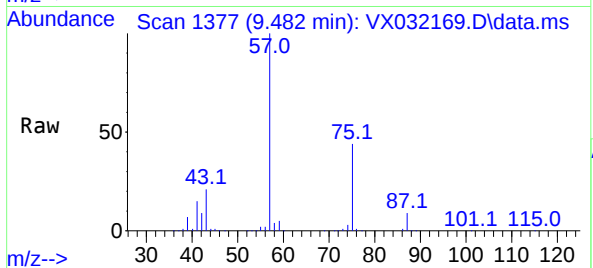
SB-33

Tgt Ion: 43 Resp: 59145

Ion Ratio Lower Upper

43 100

58 18.6 26.7 80.0#



#62

4-Bromofluorobenzene

Concen: 50.487 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX032169.D

Acq: 17 Oct 2022 21:18

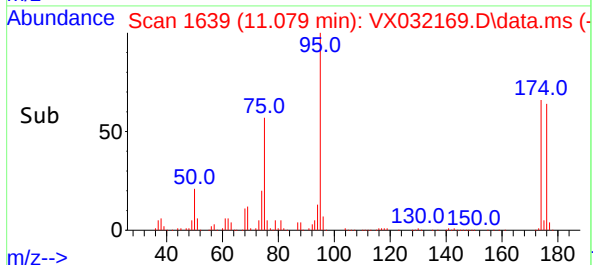
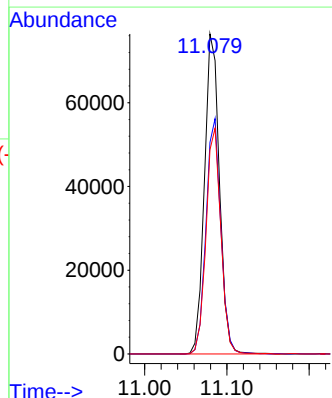
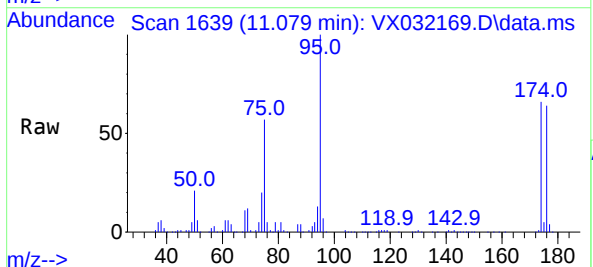
Tgt Ion: 95 Resp: 96720

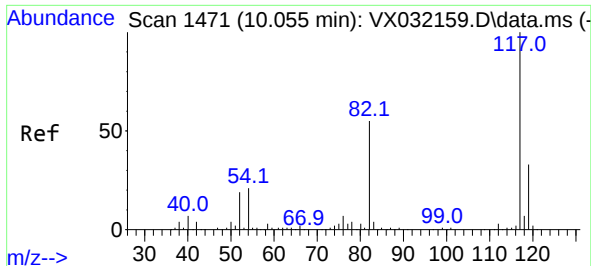
Ion Ratio Lower Upper

95 100

174 72.7 0.0 153.2

176 69.8 0.0 144.0

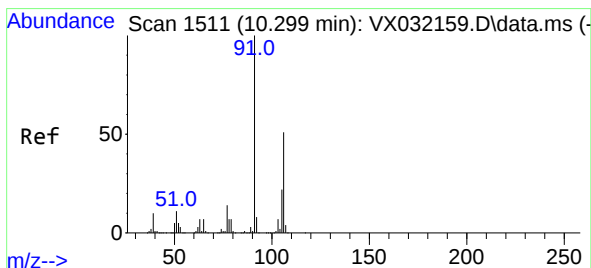
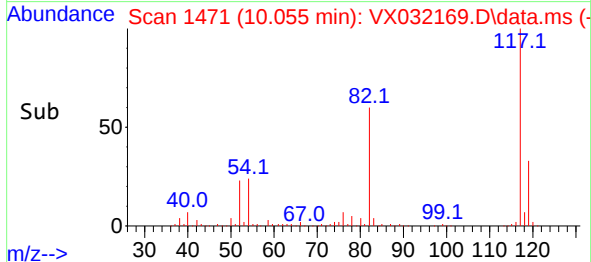
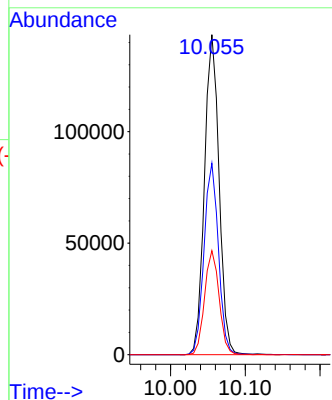
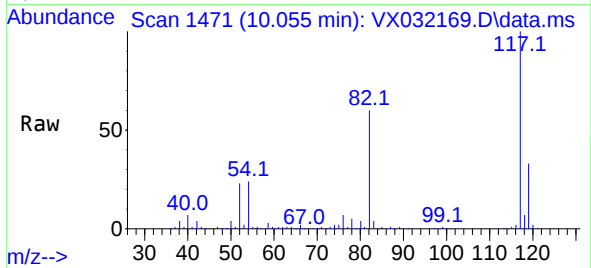




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032169.D
Acq: 17 Oct 2022 21:18

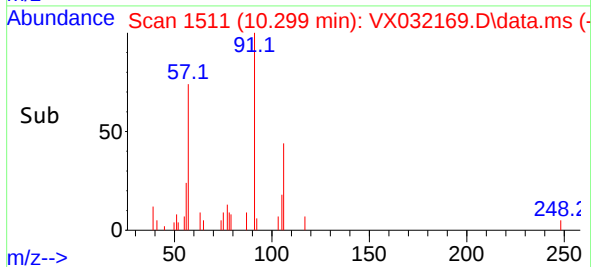
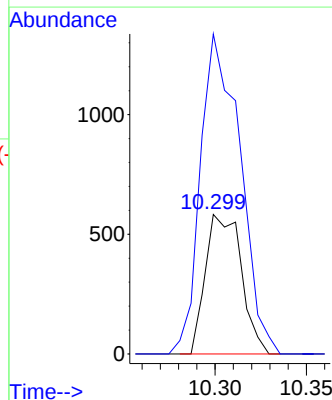
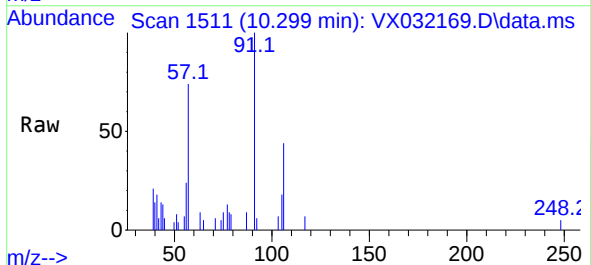
Instrument :
MSVOA_X
ClientSampleId :
SB-33

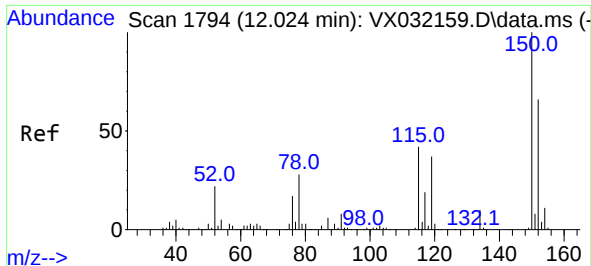
Tgt Ion:117 Resp: 194534
Ion Ratio Lower Upper
117 100
82 59.8 46.8 70.2
119 32.5 26.4 39.6



#68
m/p-Xylenes
Concen: 0.276 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX032169.D
Acq: 17 Oct 2022 21:18

Tgt Ion:106 Resp: 794
Ion Ratio Lower Upper
106 100
91 253.9 161.0 241.4#

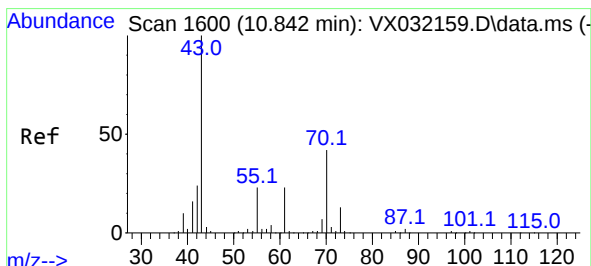
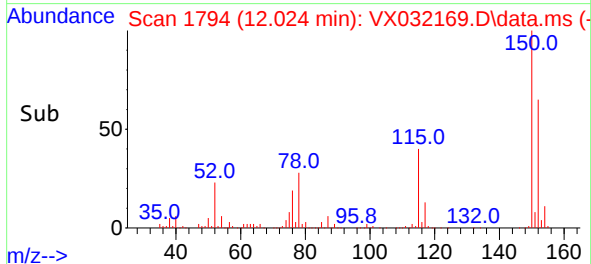
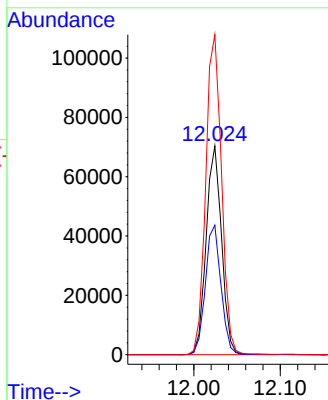
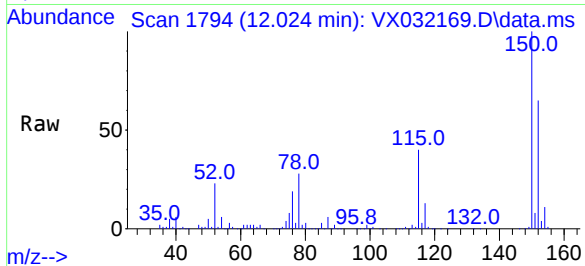




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032169.D
Acq: 17 Oct 2022 21:18

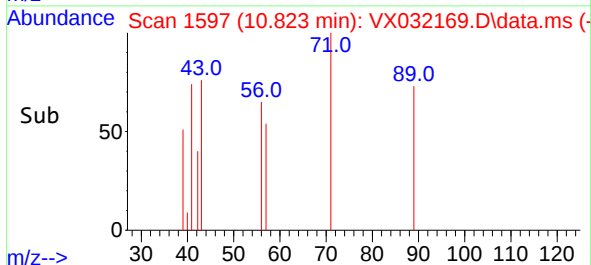
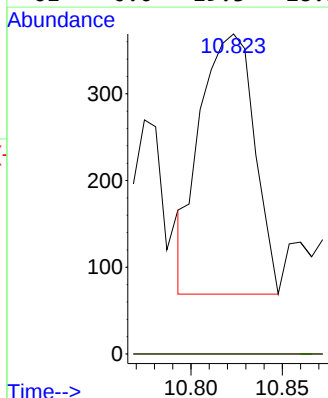
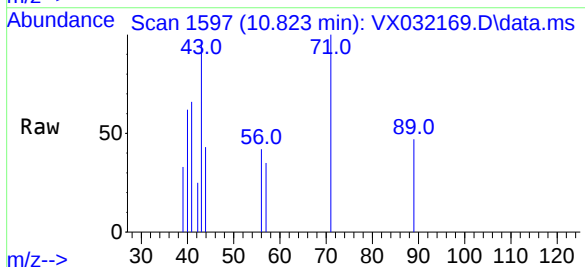
Instrument :
MSVOA_X
ClientSampleId :
SB-33

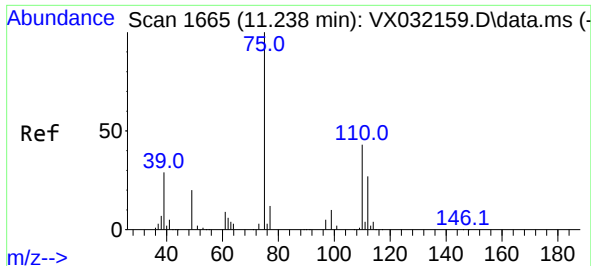
Tgt Ion:152 Resp: 87250
Ion Ratio Lower Upper
152 100
115 62.8 43.4 130.1
150 156.4 0.0 346.8



#74
N-ethyl acetate
Concen: 0.267 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.019 min
Lab File: VX032169.D
Acq: 17 Oct 2022 21:18

Tgt Ion: 43 Resp: 617
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#

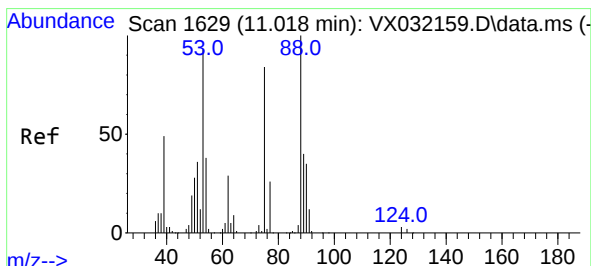
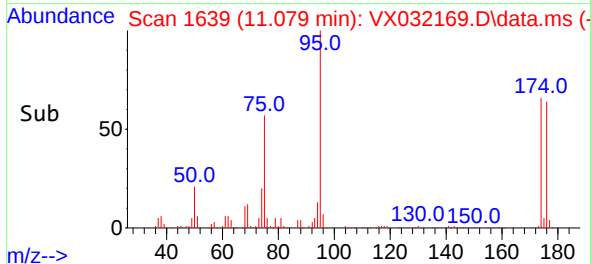
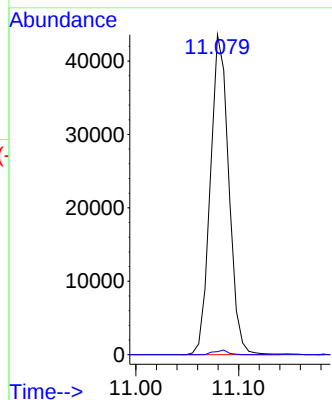
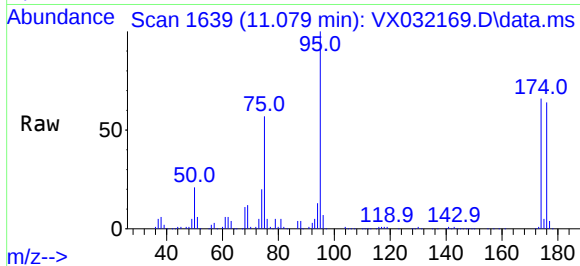




#76
1,2,3-Trichloropropane
Concen: 28.787 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX032169.D
Acq: 17 Oct 2022 21:18

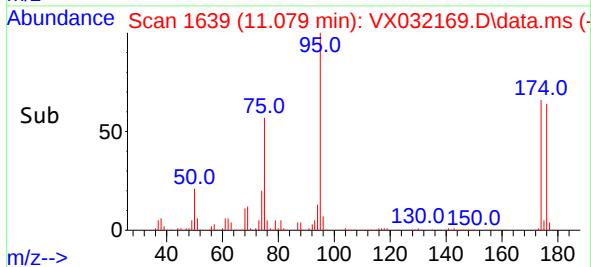
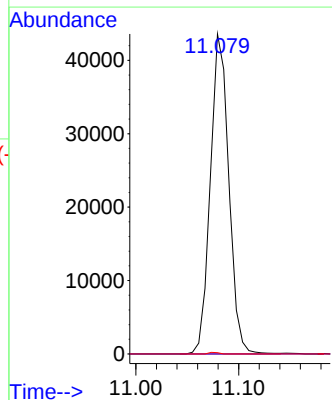
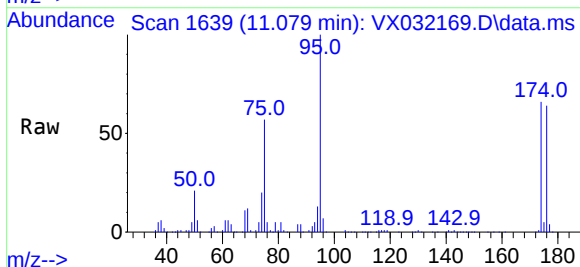
Instrument :
MSVOA_X
ClientSampleId :
SB-33

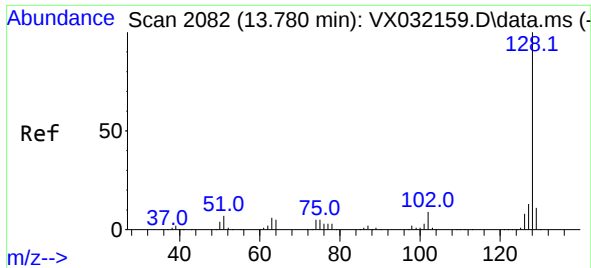
Tgt Ion: 75 Resp: 54459
Ion Ratio Lower Upper
75 100
77 1.1 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.819 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032169.D
Acq: 17 Oct 2022 21:18

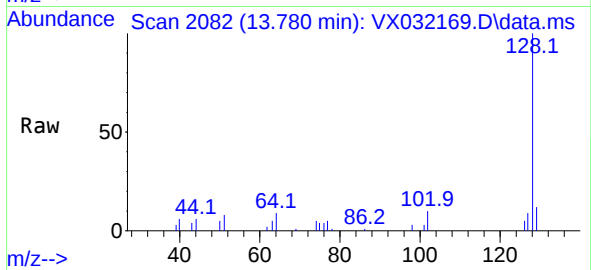
Tgt Ion: 75 Resp: 54459
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.3 37.4 56.0#





#95
Naphthalene
Concen: 0.972 ug/l
RT: 13.780 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX032169.D
Acq: 17 Oct 2022 21:18

Instrument :
MSVOA_X
ClientSampleId :
SB-33



Tgt Ion:	128	Resp:	5351
Ion	Ratio	Lower	Upper
128	100		
127	11.0	10.4	15.6
129	12.4	8.8	13.2

