

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110322\
 Data File : VX032558.D
 Acq On : 03 Nov 2022 15:29
 Operator : JC/MD
 Sample : N5425-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 371

Quant Time: Nov 04 06:19:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

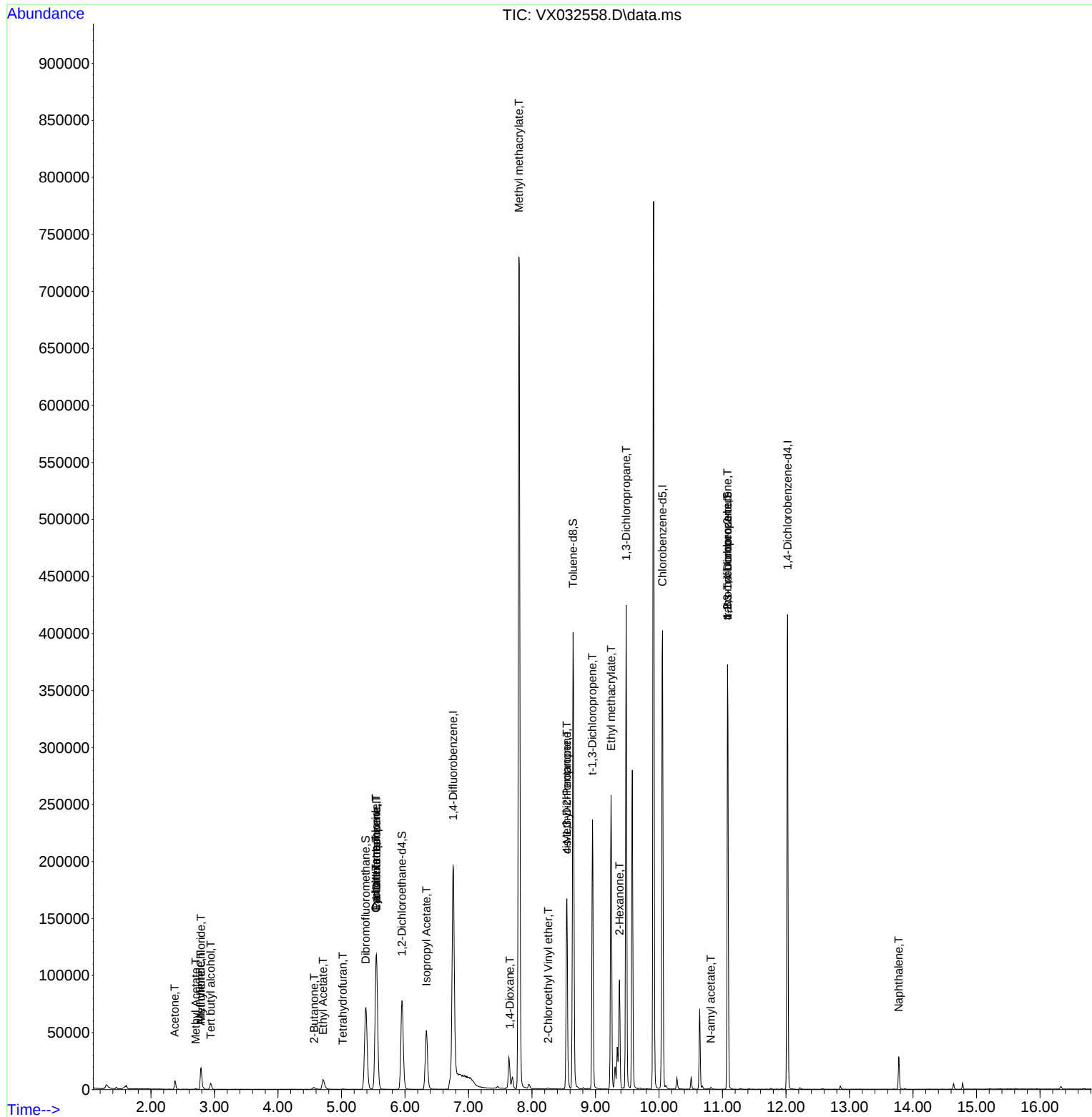
Internal Standards						
1) Pentafluorobenzene	5.550	168	111621	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	189283	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	174805	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82189	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	77420	49.918	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.840%		
35) Dibromofluoromethane	5.379	113	61107	45.259	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.520%		
50) Toluene-d8	8.647	98	228612	48.694	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.380%		
62) 4-Bromofluorobenzene	11.079	95	92026	50.180	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.360%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	3039	13.462	ug/l #	72
14) Allyl chloride	2.782	41	362	0.203	ug/l #	20
16) Acetone	2.374	43	8290	14.706	ug/l #	88
18) Methyl Acetate	2.703	43	986	0.538	ug/l #	79
20) Methylene Chloride	2.788	84	8895	6.882	ug/l	98
25) 2-Butanone	4.568	43	1508	1.727	ug/l #	77
29) Tetrahydrofuran	5.019	42	165	0.296	ug/l #	54
31) Cyclohexane	5.544	56	2486	1.322	ug/l #	55
36) 1,1-Dichloropropene	5.550	75	8904	4.736	ug/l #	50
37) Ethyl Acetate	4.709	43	15721	8.033	ug/l	99
38) Carbon Tetrachloride	5.544	117	11576	5.551	ug/l #	16
43) Isopropyl Acetate	6.336	43	69793	23.226	ug/l	99
48) Methyl methacrylate	7.793	41	69767	44.955	ug/l #	45
49) 1,4-Dioxane	7.653	88	21	0.710	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	59222	31.289	ug/l #	48
53) t-1,3-Dichloropropene	8.952	75	452	0.223	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	25823	11.920	ug/l #	64
56) Ethyl methacrylate	9.244	69	528	0.251	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3241	1.373	ug/l #	42
58) 2-Chloroethyl Vinyl ether	8.257	63	451	0.445	ug/l #	70
59) 2-Hexanone	9.378	43	70337	50.082	ug/l #	25
74) N-amyl acetate	10.817	43	625	0.254	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	50263	27.489	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	50263	87.469	ug/l #	6
95) Naphthalene	13.774	128	17774	2.755	ug/l	99

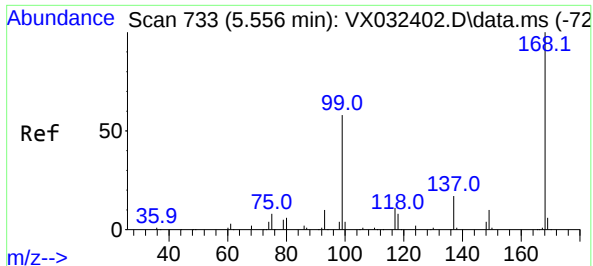
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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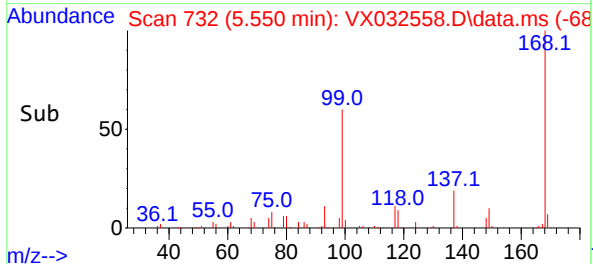
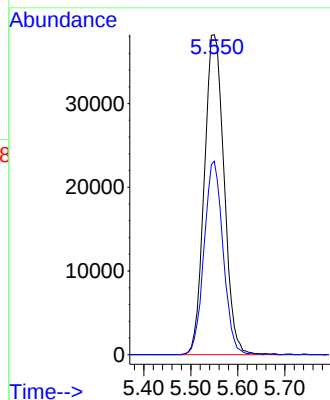
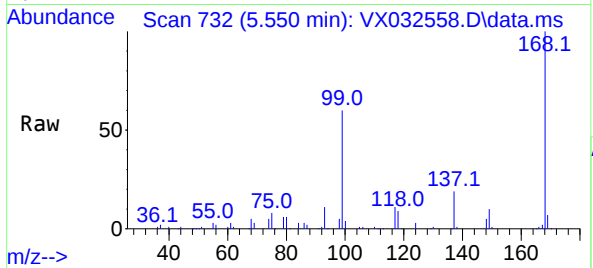




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX032558.D
Acq: 03 Nov 2022 15:29

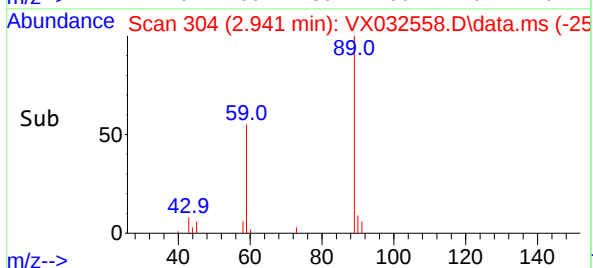
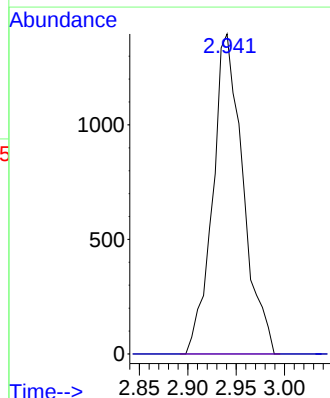
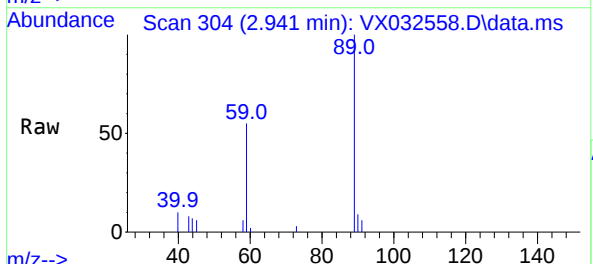
Instrument :
MSVOA_X
ClientSampleId :
371

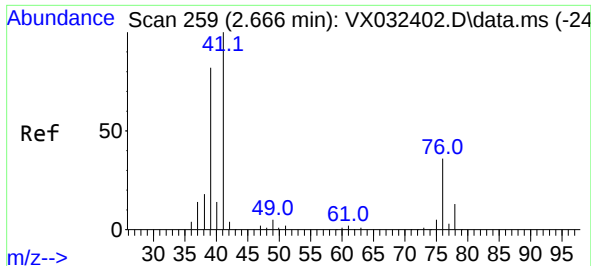
Tgt Ion:168 Resp: 111621
Ion Ratio Lower Upper
168 100
99 60.5 46.1 69.1



#11
Tert butyl alcohol
Concen: 13.462 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.024 min
Lab File: VX032558.D
Acq: 03 Nov 2022 15:29

Tgt Ion: 59 Resp: 3039
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

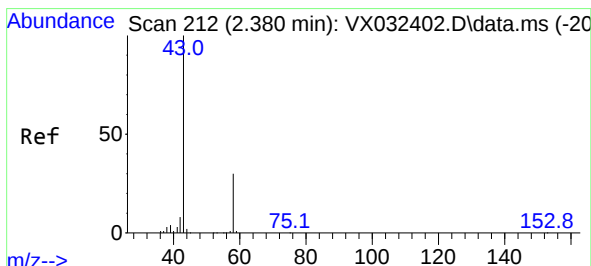
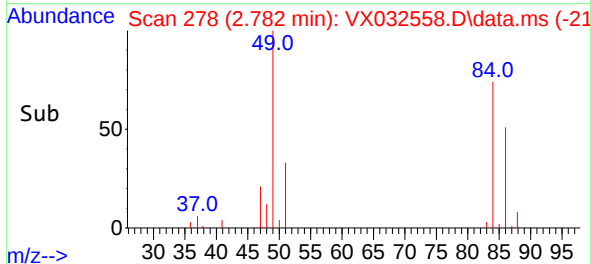
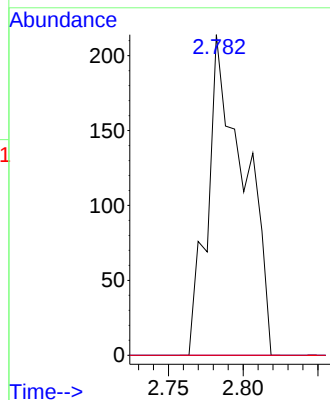
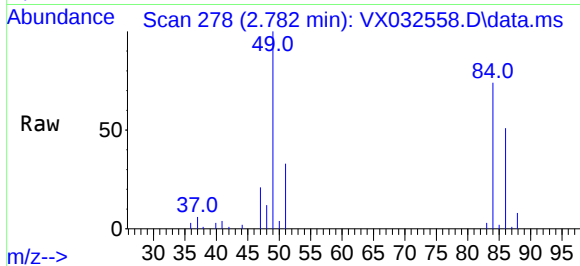




#14
 Allyl chloride
 Concen: 0.203 ug/l
 RT: 2.782 min Scan# 211
 Delta R.T. 0.116 min
 Lab File: VX032558.D
 Acq: 03 Nov 2022 15:29

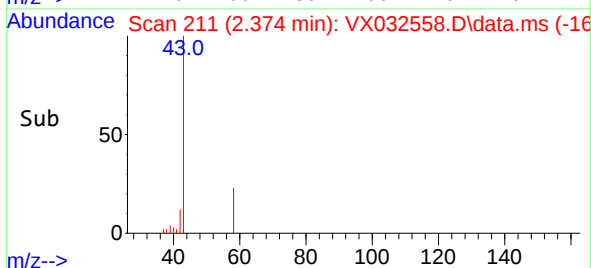
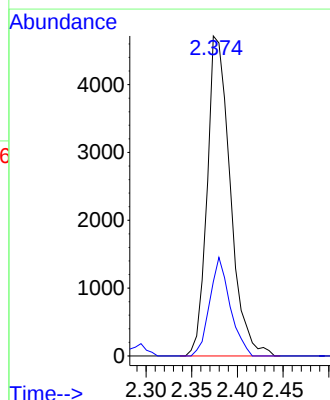
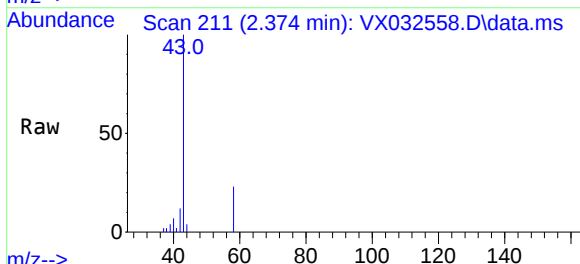
Instrument :
 MSVOA_X
 ClientSampleId :
 371

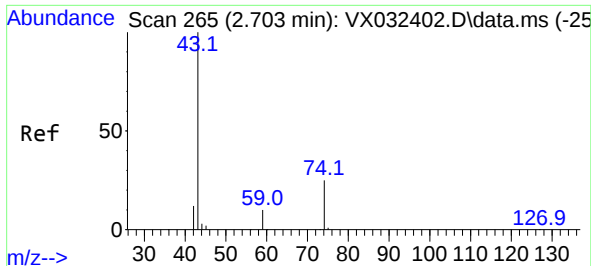
Tgt Ion: 41 Resp: 362
 Ion Ratio Lower Upper
 41 100
 39 0.0 61.4 92.2#
 76 0.0 29.2 43.8#



#16
 Acetone
 Concen: 14.706 ug/l
 RT: 2.374 min Scan# 211
 Delta R.T. -0.006 min
 Lab File: VX032558.D
 Acq: 03 Nov 2022 15:29

Tgt Ion: 43 Resp: 8290
 Ion Ratio Lower Upper
 43 100
 58 23.2 23.8 35.8#

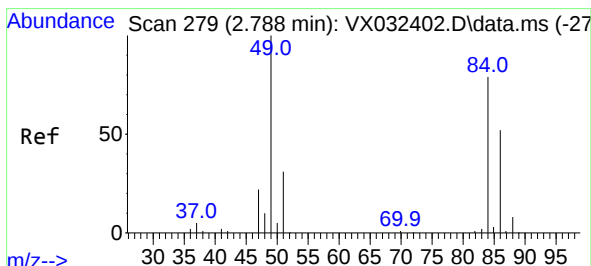
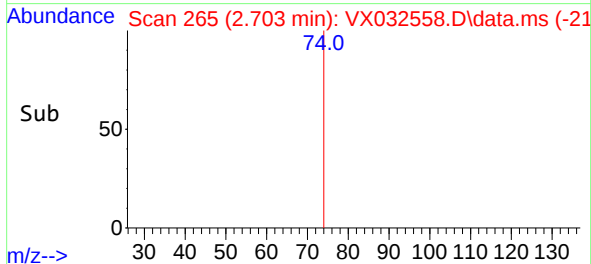
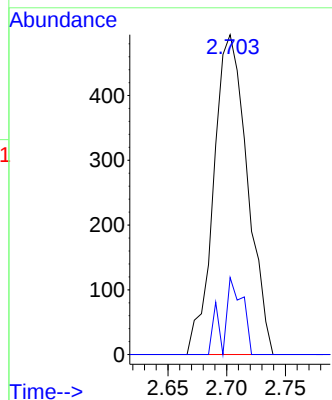
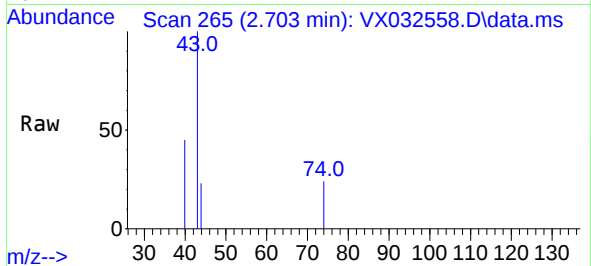




#18
Methyl Acetate
Concen: 0.538 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX032558.D
Acq: 03 Nov 2022 15:29

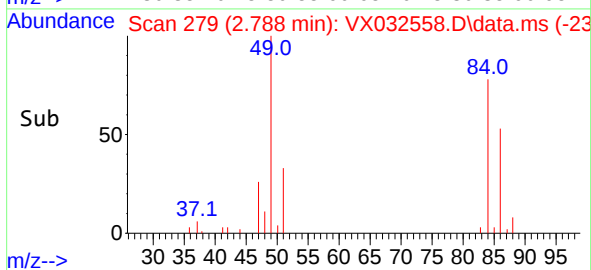
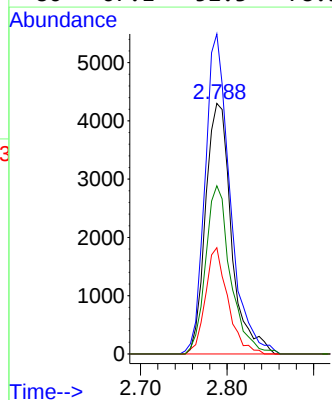
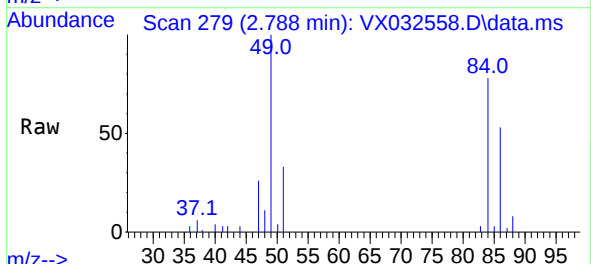
Instrument :
MSVOA_X
ClientSampleId :
371

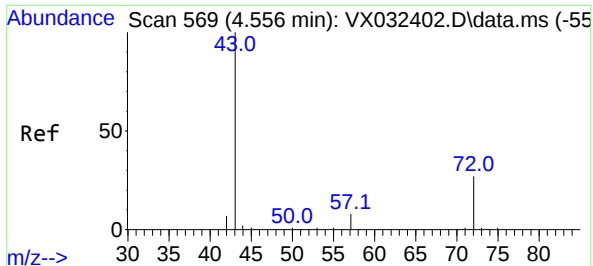
Tgt Ion: 43 Resp: 986
Ion Ratio Lower Upper
43 100
74 13.8 19.4 29.0#



#20
Methylene Chloride
Concen: 6.882 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX032558.D
Acq: 03 Nov 2022 15:29

Tgt Ion: 84 Resp: 8895
Ion Ratio Lower Upper
84 100
49 127.7 101.0 151.6
51 42.4 31.1 46.7
86 67.1 52.3 78.5





#25

2-Butanone

Concen: 1.727 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX032558.D

Acq: 03 Nov 2022 15:29

Instrument :

MSVOA_X

ClientSampleId :

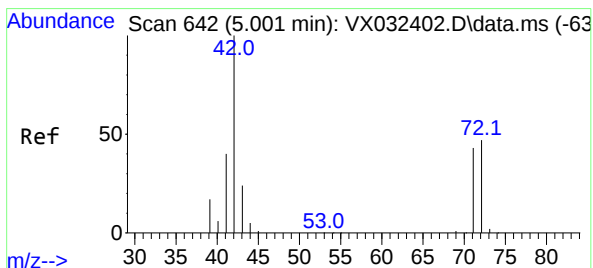
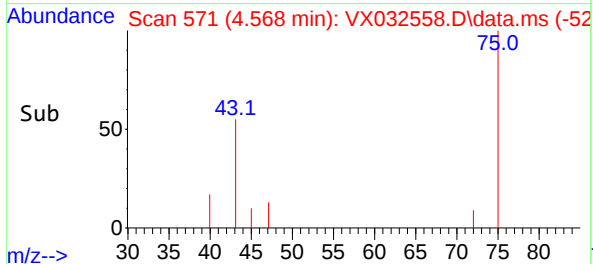
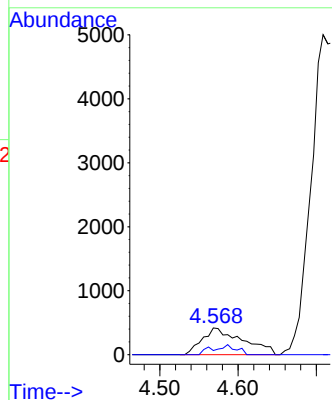
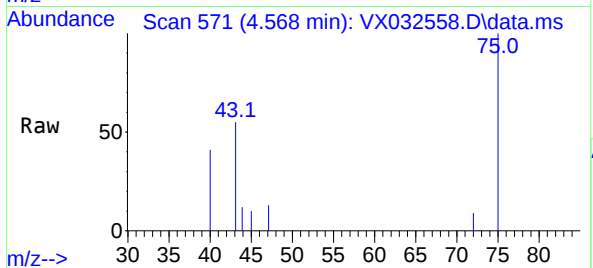
371

Tgt Ion: 43 Resp: 1508

Ion Ratio Lower Upper

43 100

72 15.6 22.2 33.2#



#29

Tetrahydrofuran

Concen: 0.296 ug/l

RT: 5.019 min Scan# 645

Delta R.T. 0.018 min

Lab File: VX032558.D

Acq: 03 Nov 2022 15:29

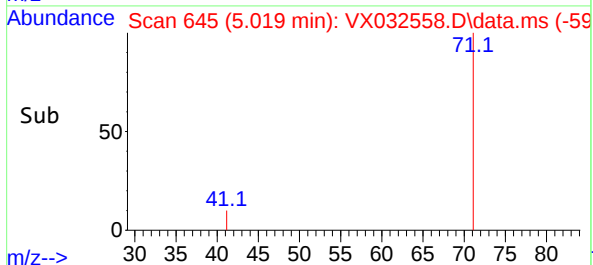
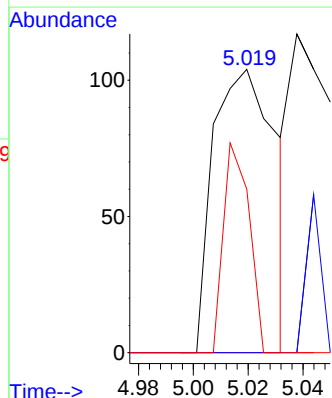
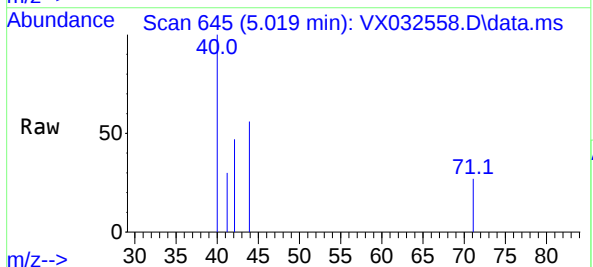
Tgt Ion: 42 Resp: 165

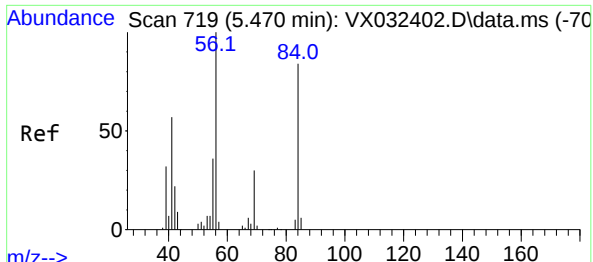
Ion Ratio Lower Upper

42 100

72 0.0 37.6 56.4#

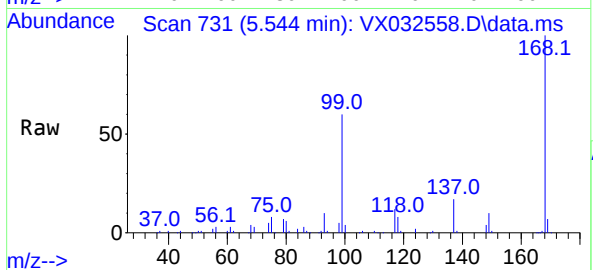
71 30.3 34.7 52.1#



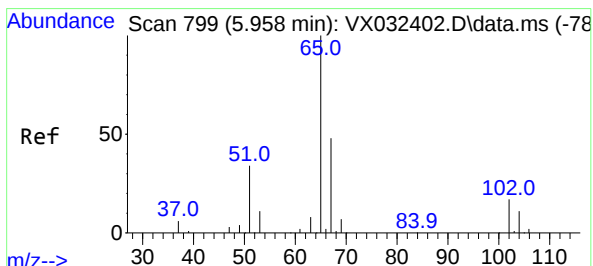
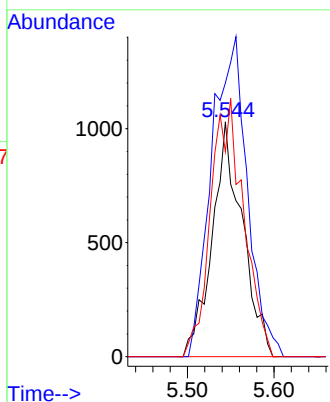
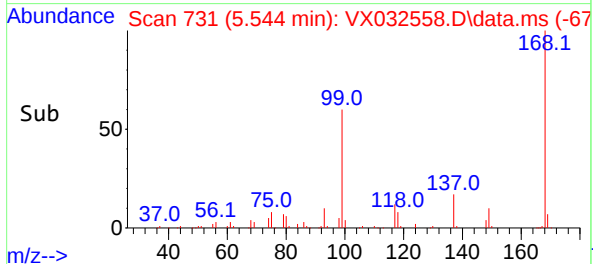


#31
Cyclohexane
Concen: 1.322 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX032558.D
Acq: 03 Nov 2022 15:29

Instrument :
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ClientSampleId :
371

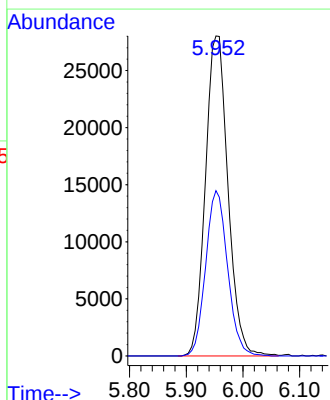
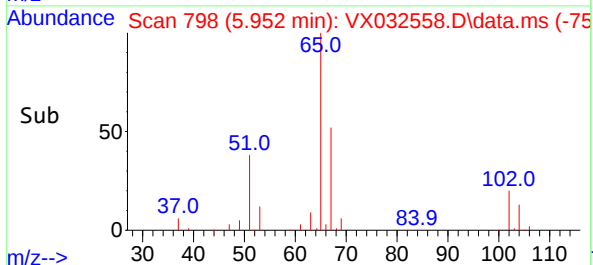
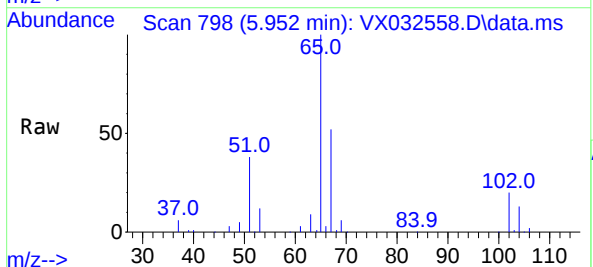


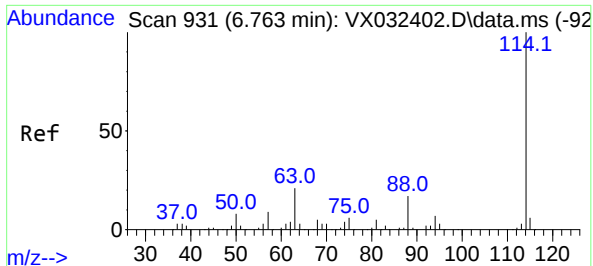
Tgt Ion: 56 Resp: 2486
Ion Ratio Lower Upper
56 100
69 116.5 24.1 36.1#
84 87.3 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 49.918 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX032558.D
Acq: 03 Nov 2022 15:29

Tgt Ion: 65 Resp: 77420
Ion Ratio Lower Upper
65 100
67 50.2 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX032558.D

Acq: 03 Nov 2022 15:29

Instrument :

MSVOA_X

ClientSampleId :

371

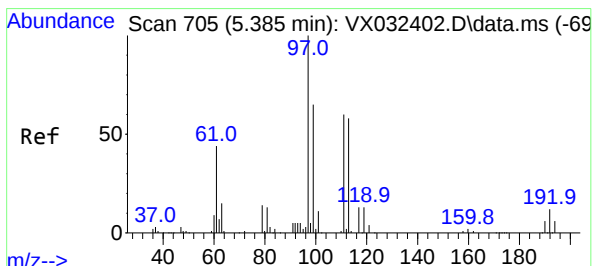
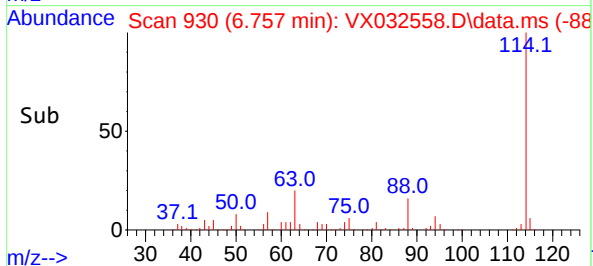
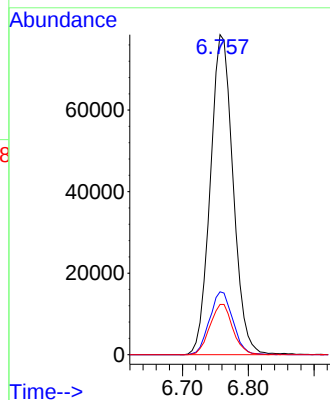
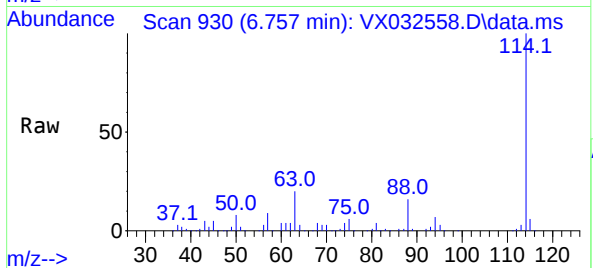
Tgt Ion:114 Resp: 189283

Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.6

88 15.7 0.0 33.4



#35

Dibromofluoromethane

Concen: 45.259 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX032558.D

Acq: 03 Nov 2022 15:29

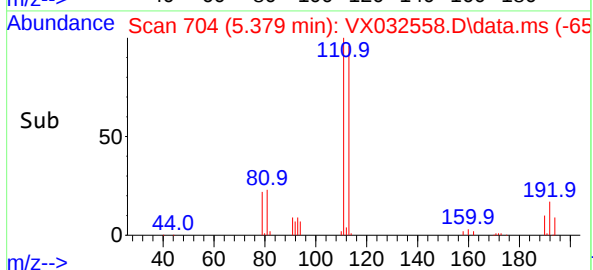
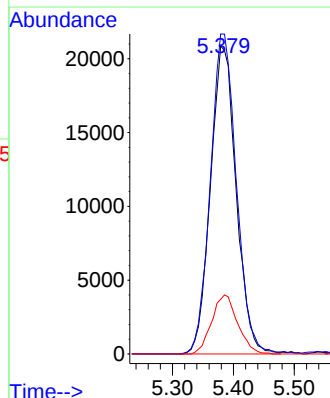
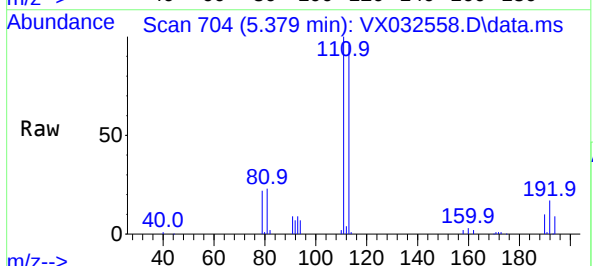
Tgt Ion:113 Resp: 61107

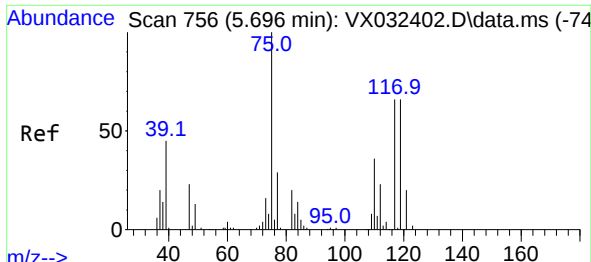
Ion Ratio Lower Upper

113 100

111 104.8 82.4 123.6

192 19.3 15.4 23.2

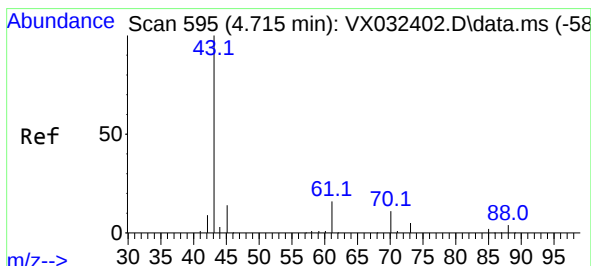
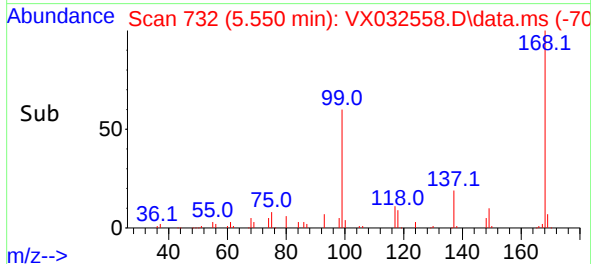
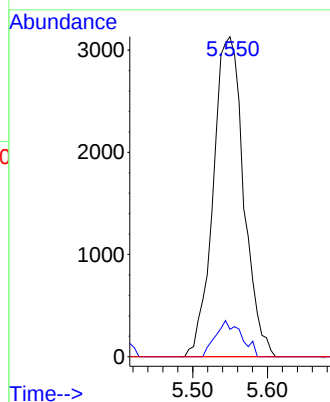
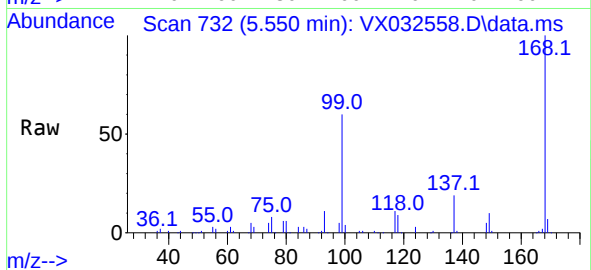




#36
1,1-Dichloropropene
Concen: 4.736 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX032558.D
Acq: 03 Nov 2022 15:29

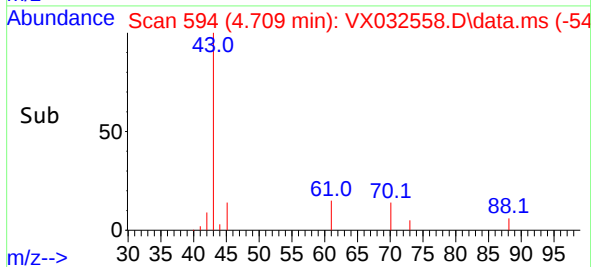
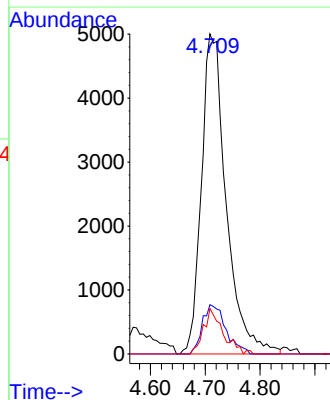
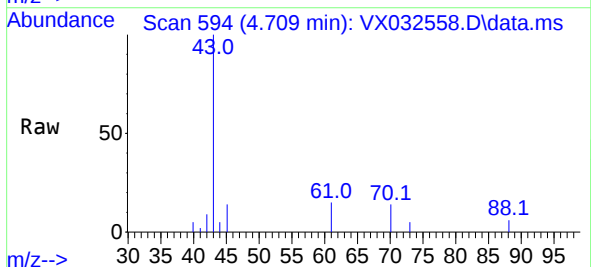
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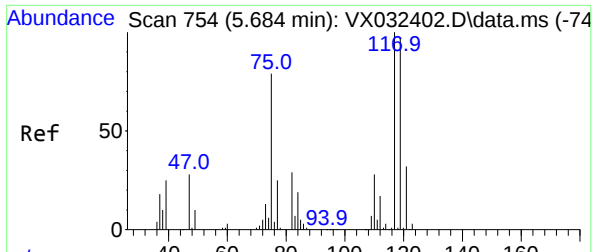
Tgt Ion: 75 Resp: 8904
Ion Ratio Lower Upper
75 100
110 9.5 18.4 55.2#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 8.033 ug/l
RT: 4.709 min Scan# 594
Delta R.T. -0.006 min
Lab File: VX032558.D
Acq: 03 Nov 2022 15:29

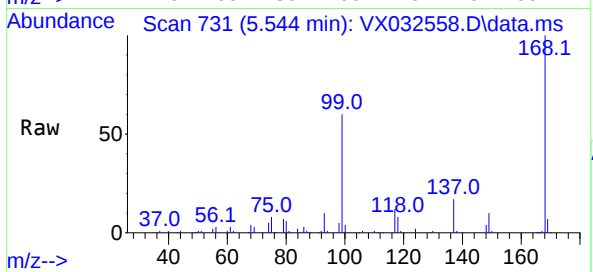
Tgt Ion: 43 Resp: 15721
Ion Ratio Lower Upper
43 100
61 14.6 11.5 17.3
70 11.2 9.1 13.7



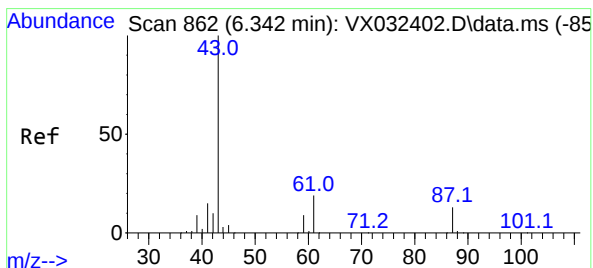
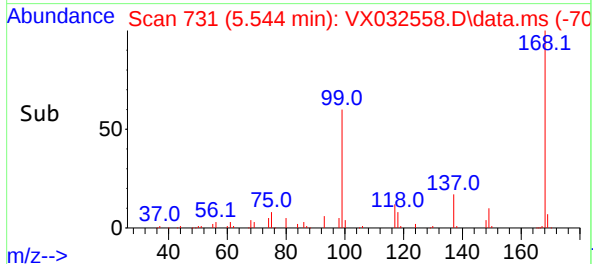
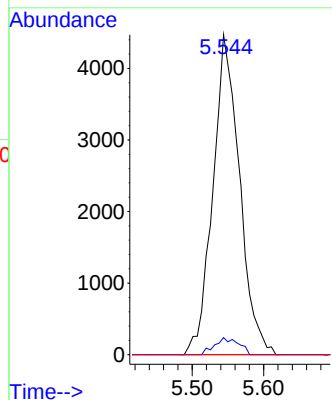


#38
Carbon Tetrachloride
Concen: 5.551 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX032558.D
Acq: 03 Nov 2022 15:29

Instrument :
MSVOA_X
ClientSampleId :
371

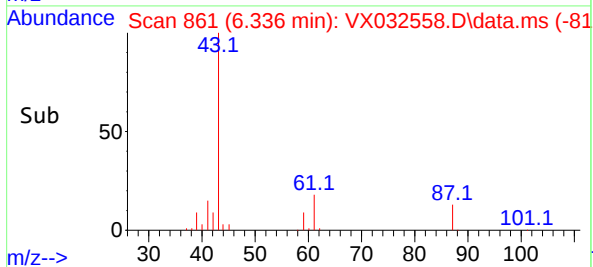
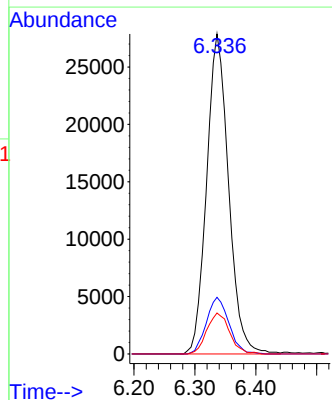
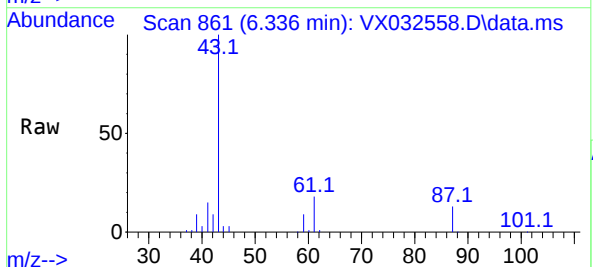


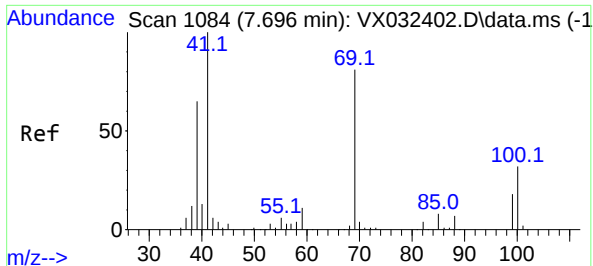
Tgt Ion:117 Resp: 11576
Ion Ratio Lower Upper
117 100
119 5.4 77.2 115.8#
121 0.0 25.8 38.6#



#43
Isopropyl Acetate
Concen: 23.226 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX032558.D
Acq: 03 Nov 2022 15:29

Tgt Ion: 43 Resp: 69793
Ion Ratio Lower Upper
43 100
61 18.2 15.4 23.0
87 13.3 10.8 16.2





#48

Methyl methacrylate

Concen: 44.955 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.098 min

Lab File: VX032558.D

Acq: 03 Nov 2022 15:29

Instrument :

MSVOA_X

ClientSampleId :

371

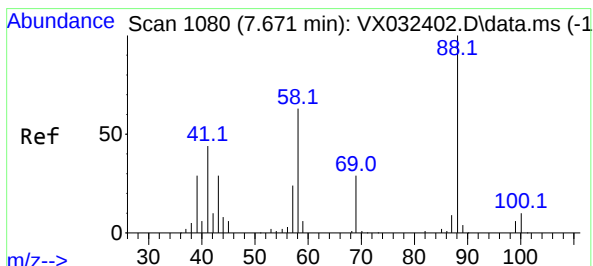
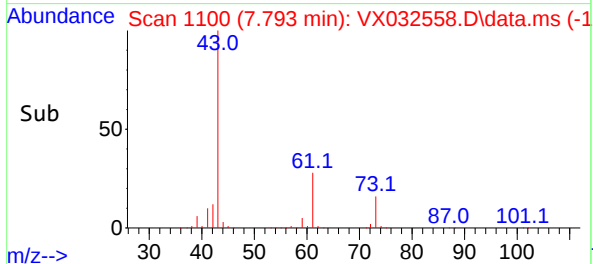
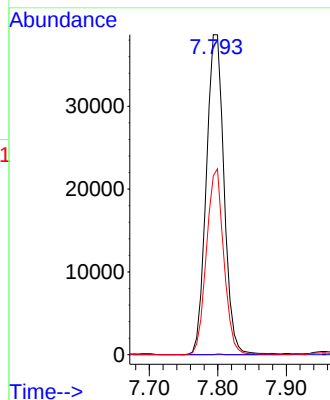
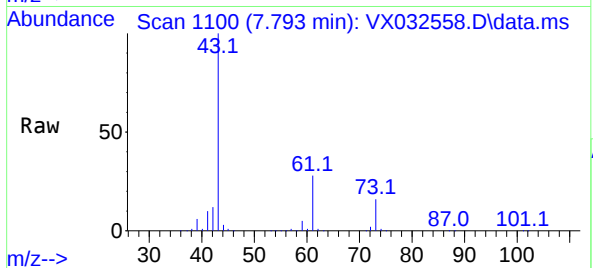
Tgt Ion: 41 Resp: 69767

Ion Ratio Lower Upper

41 100

69 0.1 65.1 97.7#

39 57.0 51.9 77.9



#49

1,4-Dioxane

Concen: 0.710 ug/l

RT: 7.653 min Scan# 1077

Delta R.T. -0.018 min

Lab File: VX032558.D

Acq: 03 Nov 2022 15:29

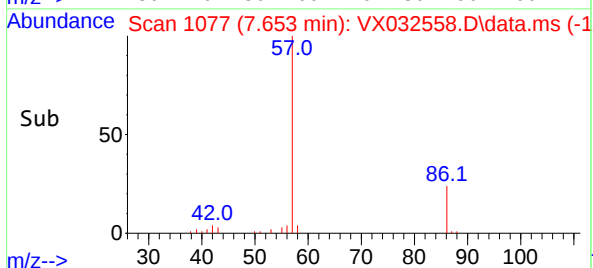
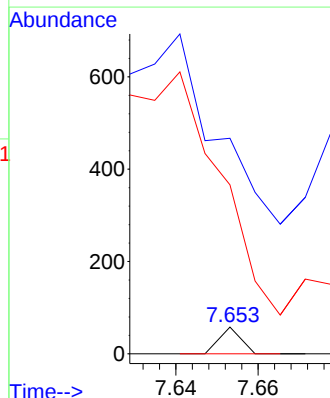
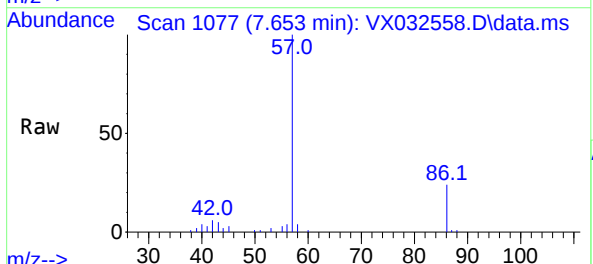
Tgt Ion: 88 Resp: 21

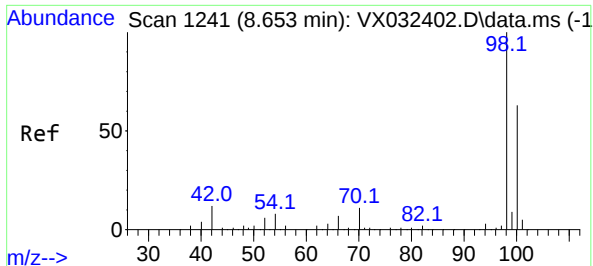
Ion Ratio Lower Upper

88 100

43 0.0 26.6 39.8#

58 5642.9 51.7 77.5#

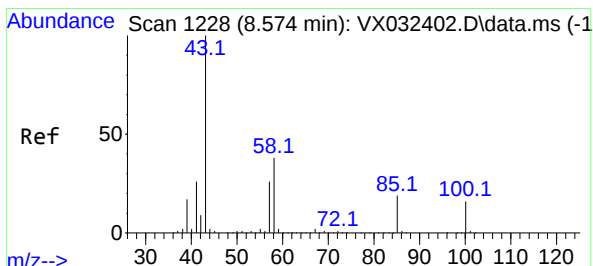
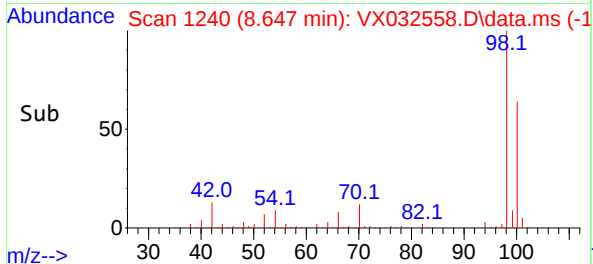
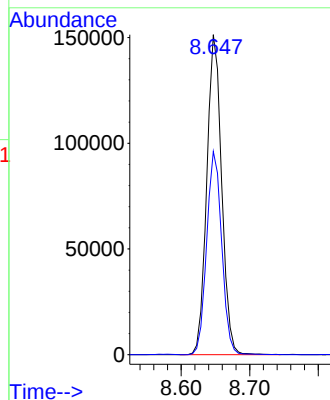
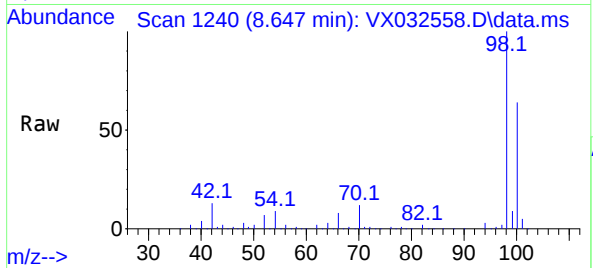




#50
Toluene-d8
Concen: 48.694 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX032558.D
Acq: 03 Nov 2022 15:29

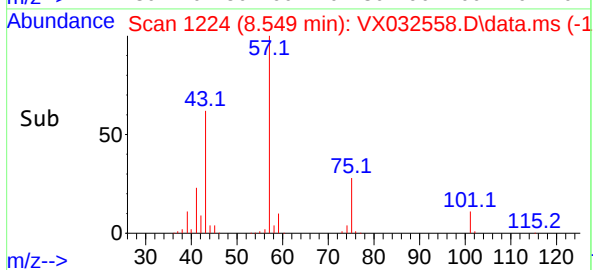
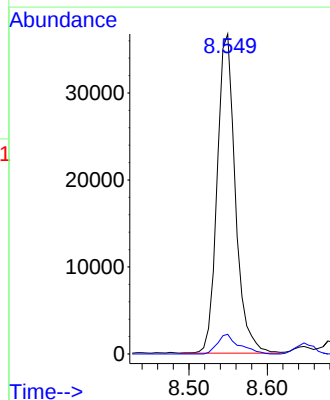
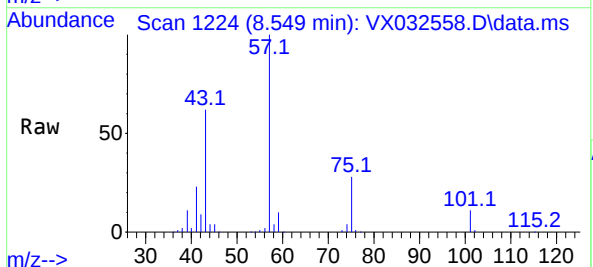
Instrument :
MSVOA_X
ClientSampleId :
371

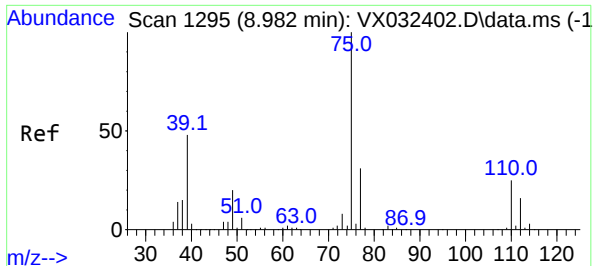
Tgt Ion: 98 Resp: 228612
Ion Ratio Lower Upper
98 100
100 64.3 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 31.289 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX032558.D
Acq: 03 Nov 2022 15:29

Tgt Ion: 43 Resp: 59222
Ion Ratio Lower Upper
43 100
58 7.3 30.9 46.3#





#53

t-1,3-Dichloropropene

Concen: 0.223 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.030 min

Lab File: VX032558.D

Acq: 03 Nov 2022 15:29

Instrument :

MSVOA_X

ClientSampleId :

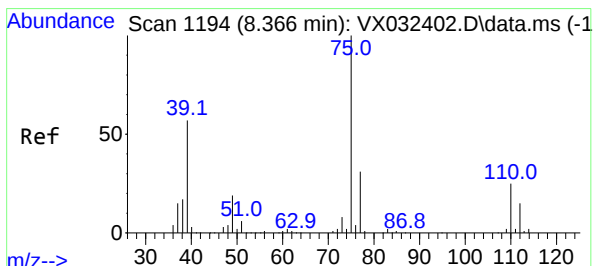
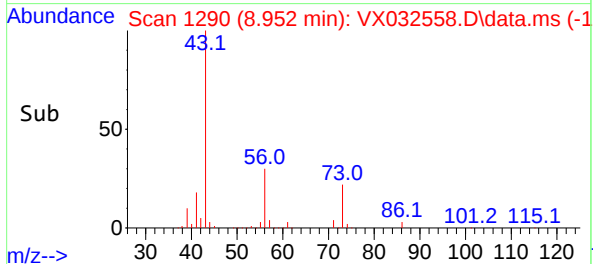
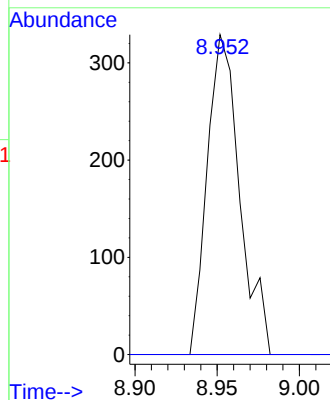
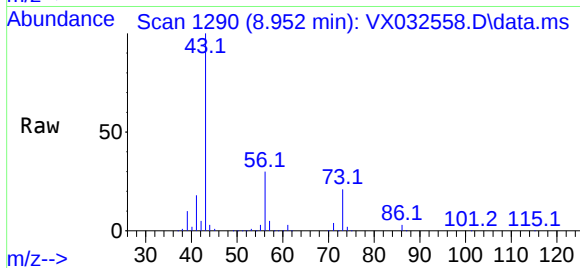
371

Tgt Ion: 75 Resp: 452

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



#54

cis-1,3-Dichloropropene

Concen: 11.920 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX032558.D

Acq: 03 Nov 2022 15:29

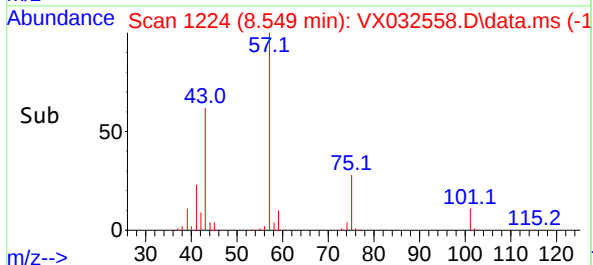
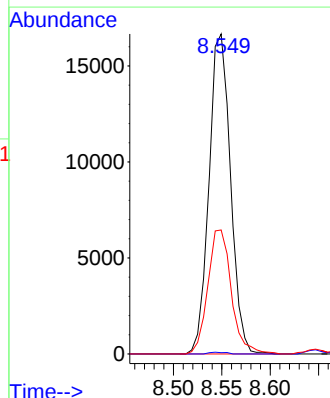
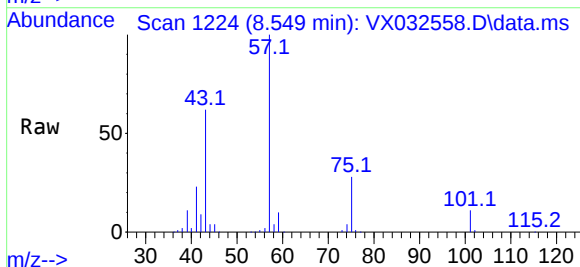
Tgt Ion: 75 Resp: 25823

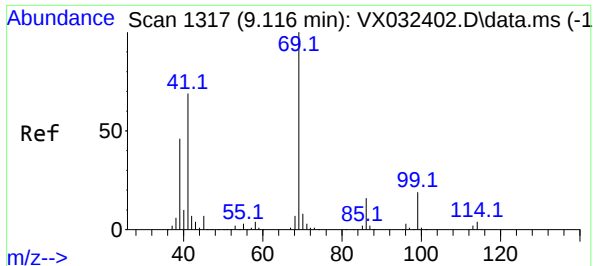
Ion Ratio Lower Upper

75 100

77 0.4 25.1 37.7#

39 38.7 45.5 68.3#





#56

Ethyl methacrylate

Concen: 0.251 ug/l

RT: 9.244 min Scan# 1338

Delta R.T. 0.128 min

Lab File: VX032558.D

Acq: 03 Nov 2022 15:29

Instrument :

MSVOA_X

ClientSampleId :

371

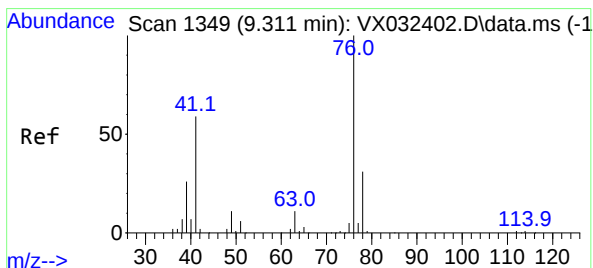
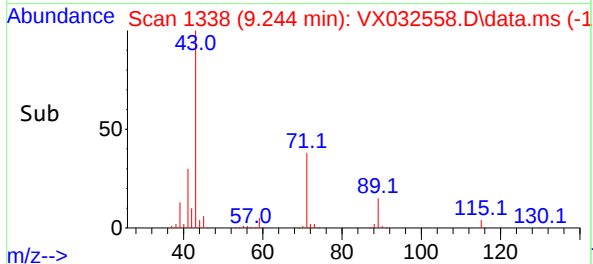
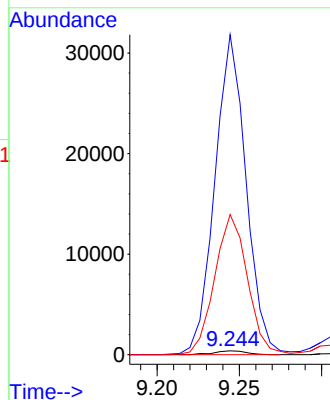
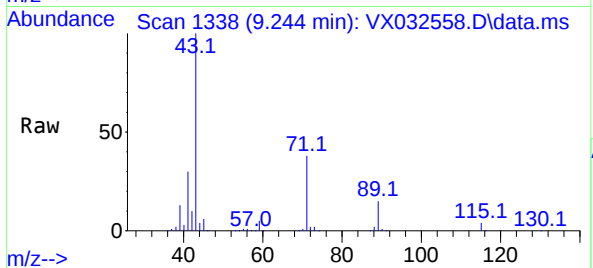
Tgt Ion: 69 Resp: 528

Ion Ratio Lower Upper

69 100

41 7968.8 54.3 81.5#

39 3653.4 35.2 52.8#



#57

1,3-Dichloropropane

Concen: 1.373 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX032558.D

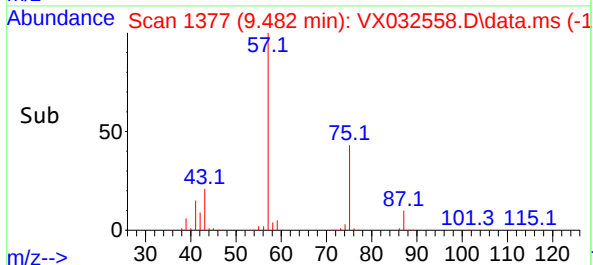
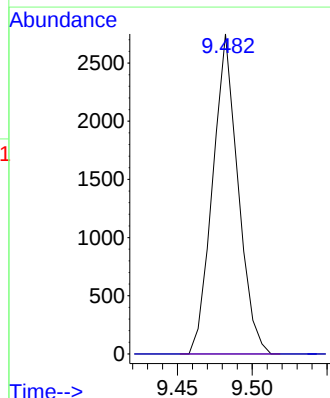
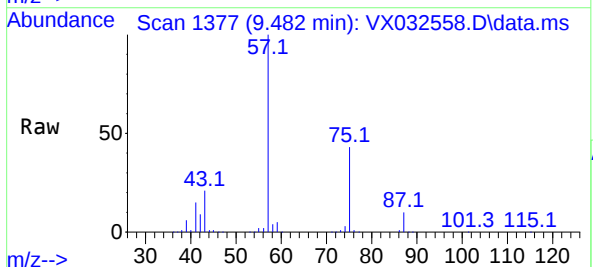
Acq: 03 Nov 2022 15:29

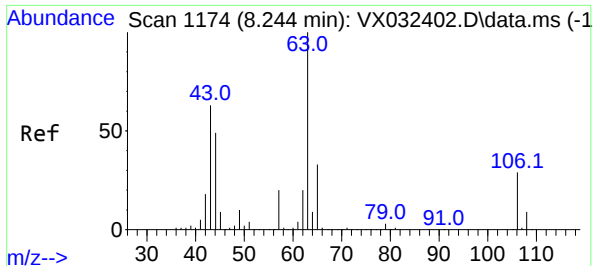
Tgt Ion: 76 Resp: 3241

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#

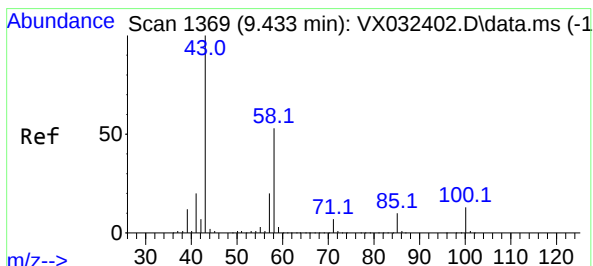
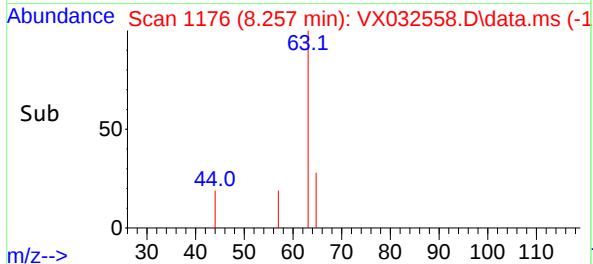
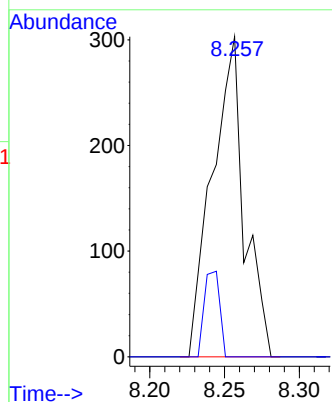
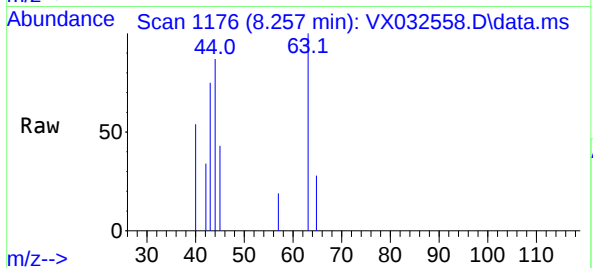




#58
2-Chloroethyl Vinyl ether
Concen: 0.445 ug/l
RT: 8.257 min Scan# 1176
Delta R.T. 0.012 min
Lab File: VX032558.D
Acq: 03 Nov 2022 15:29

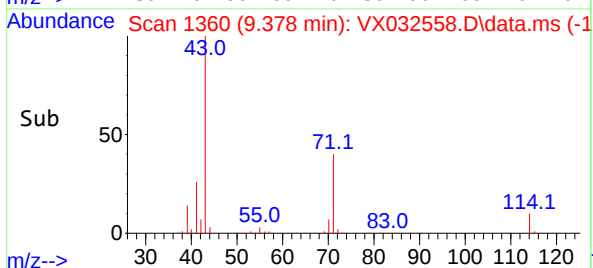
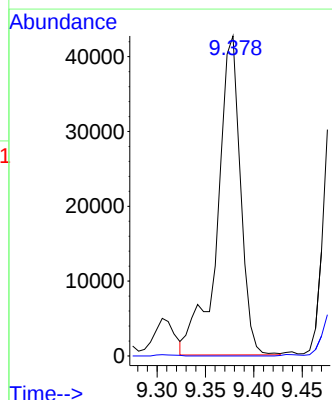
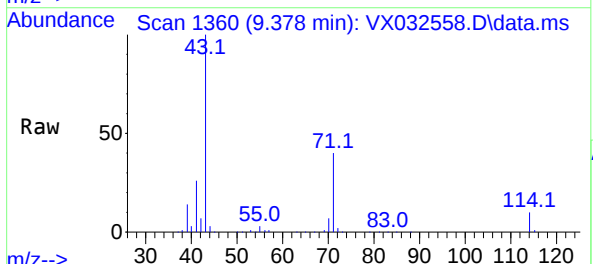
Instrument :
MSVOA_X
ClientSampleId :
371

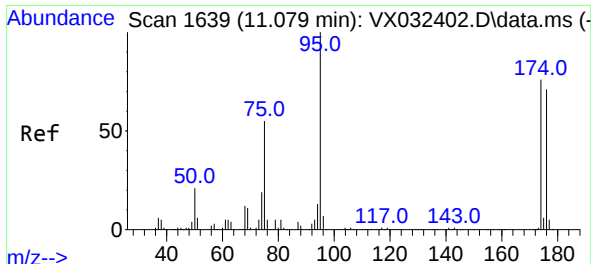
Tgt Ion: 63 Resp: 451
Ion Ratio Lower Upper
63 100
106 12.9 23.3 34.9#



#59
2-Hexanone
Concen: 50.082 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX032558.D
Acq: 03 Nov 2022 15:29

Tgt Ion: 43 Resp: 70337
Ion Ratio Lower Upper
43 100
58 0.0 26.5 79.5#

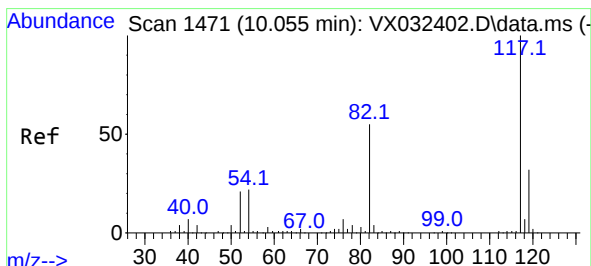
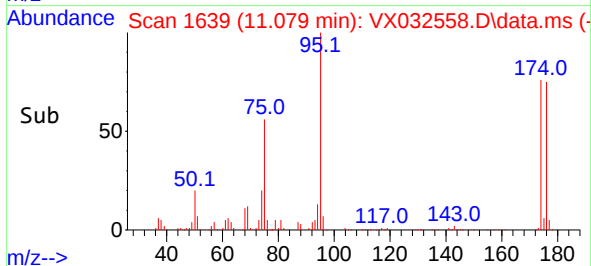
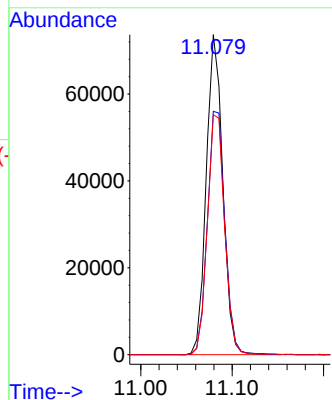
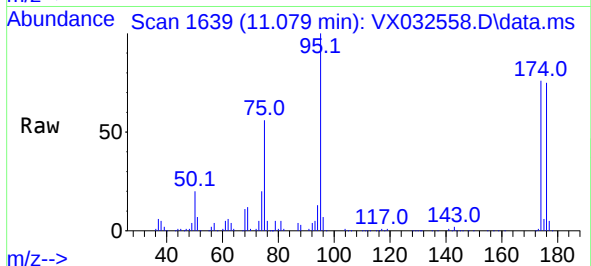




#62
4-Bromofluorobenzene
Concen: 50.180 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032558.D
Acq: 03 Nov 2022 15:29

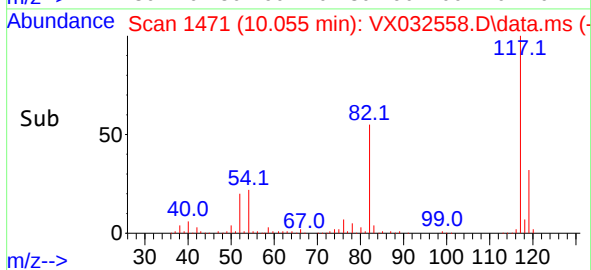
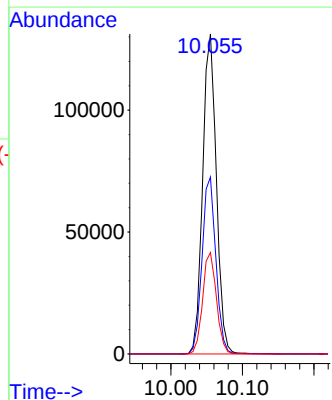
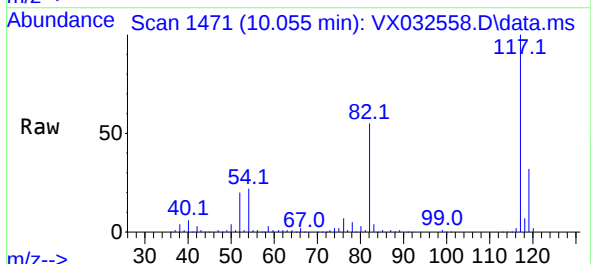
Instrument :
MSVOA_X
ClientSampleId :
371

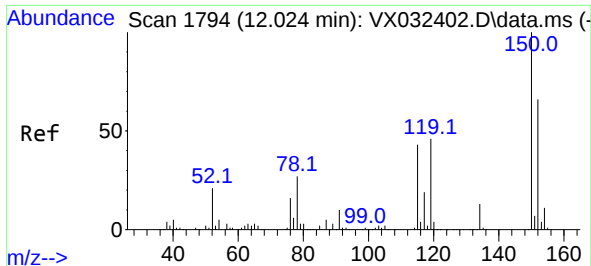
Tgt Ion: 95 Resp: 92026
Ion Ratio Lower Upper
95 100
174 80.7 0.0 164.0
176 78.5 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032558.D
Acq: 03 Nov 2022 15:29

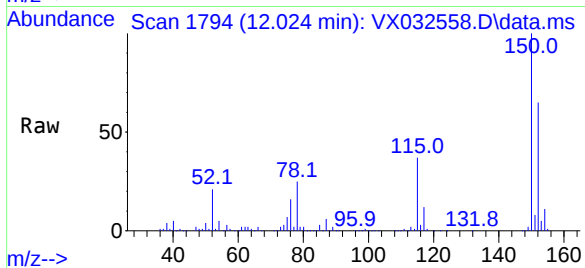
Tgt Ion: 117 Resp: 174805
Ion Ratio Lower Upper
117 100
82 55.3 44.3 66.5
119 31.7 25.7 38.5



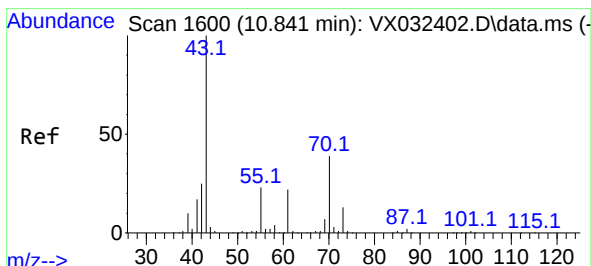
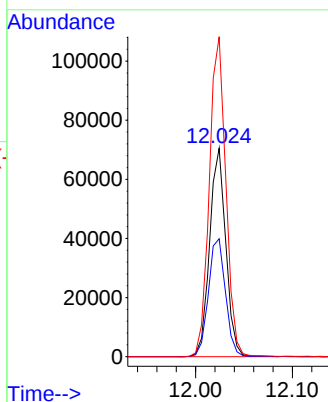
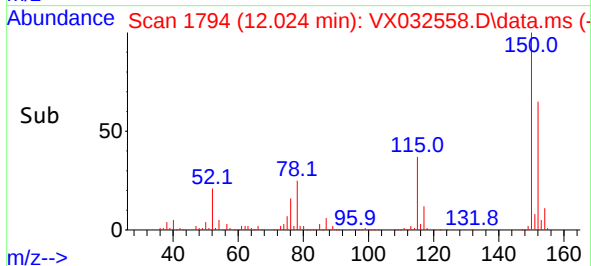


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032558.D
Acq: 03 Nov 2022 15:29

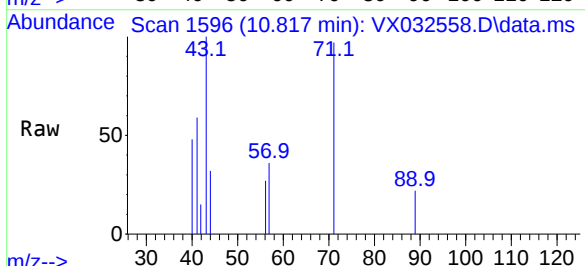
Instrument :
MSVOA_X
ClientSampleId :
371



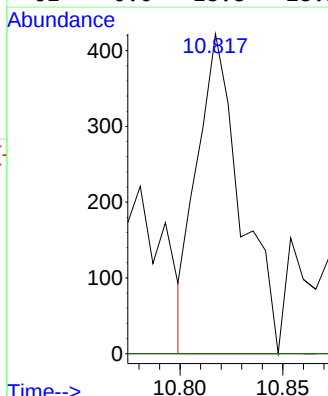
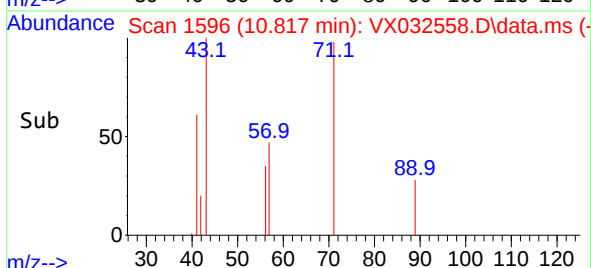
Tgt Ion:152 Resp: 82189
Ion Ratio Lower Upper
152 100
115 59.8 44.0 132.0
150 156.8 0.0 351.8

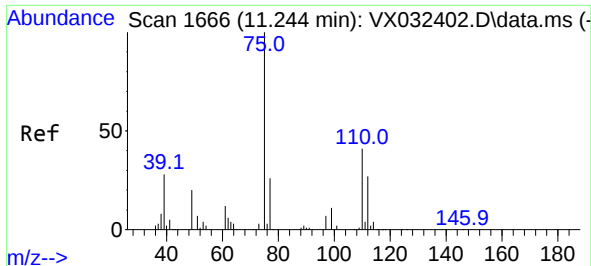


#74
N-ethyl acetate
Concen: 0.254 ug/l
RT: 10.817 min Scan# 1596
Delta R.T. -0.024 min
Lab File: VX032558.D
Acq: 03 Nov 2022 15:29



Tgt Ion: 43 Resp: 625
Ion Ratio Lower Upper
43 100
70 0.0 33.6 50.4#
55 0.0 19.4 29.2#
61 0.0 18.8 28.2#

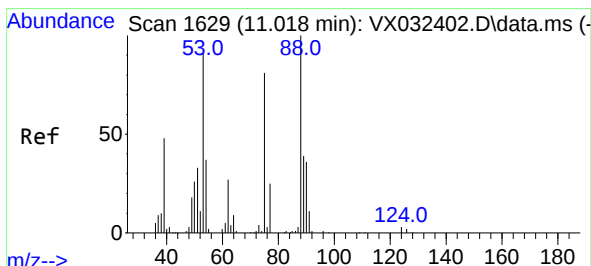
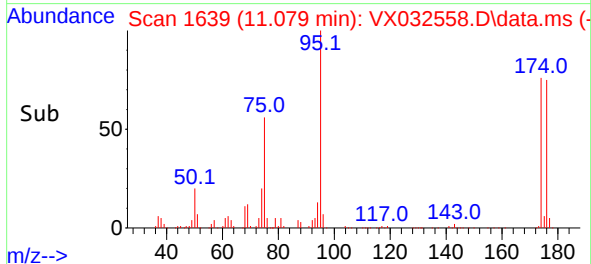
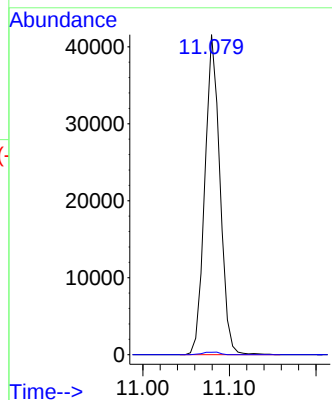
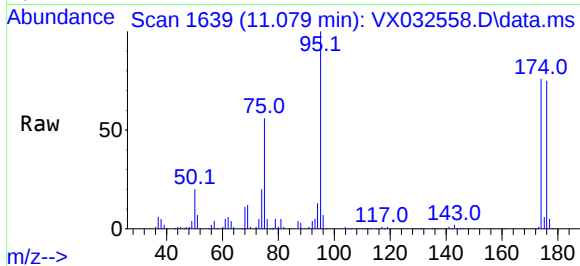




#76
1,2,3-Trichloropropane
Concen: 27.489 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX032558.D
Acq: 03 Nov 2022 15:29

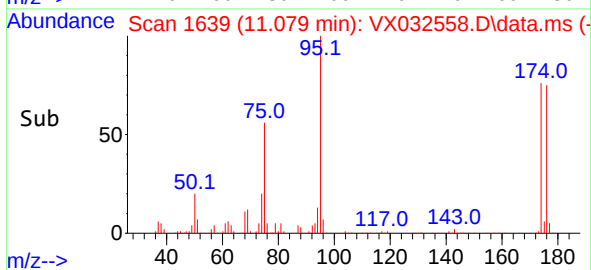
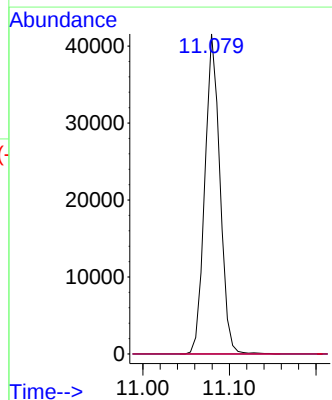
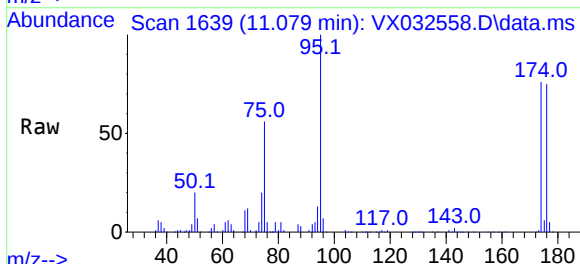
Instrument :
MSVOA_X
ClientSampleId :
371

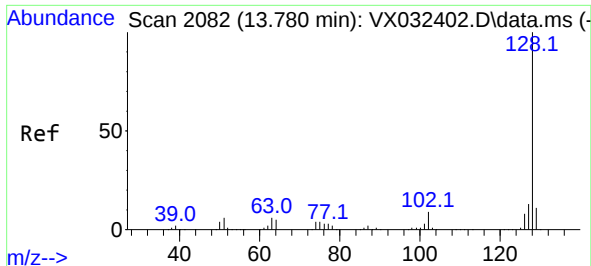
Tgt Ion: 75 Resp: 50263
Ion Ratio Lower Upper
75 100
77 0.9 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.469 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032558.D
Acq: 03 Nov 2022 15:29

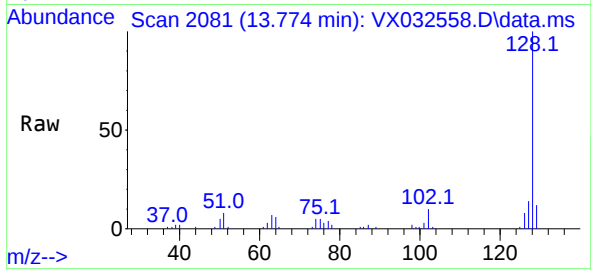
Tgt Ion: 75 Resp: 50263
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#





#95
Naphthalene
Concen: 2.755 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX032558.D
Acq: 03 Nov 2022 15:29

Instrument :
MSVOA_X
ClientSampleId :
371



Tgt Ion:128 Resp: 17774

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.4
129	11.2	8.9	13.3

