

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110122\
 Data File : VX032506.D
 Acq On : 01 Nov 2022 12:28
 Operator : JC/MD
 Sample : N5391-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31846

Quant Time: Nov 02 05:27:50 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)

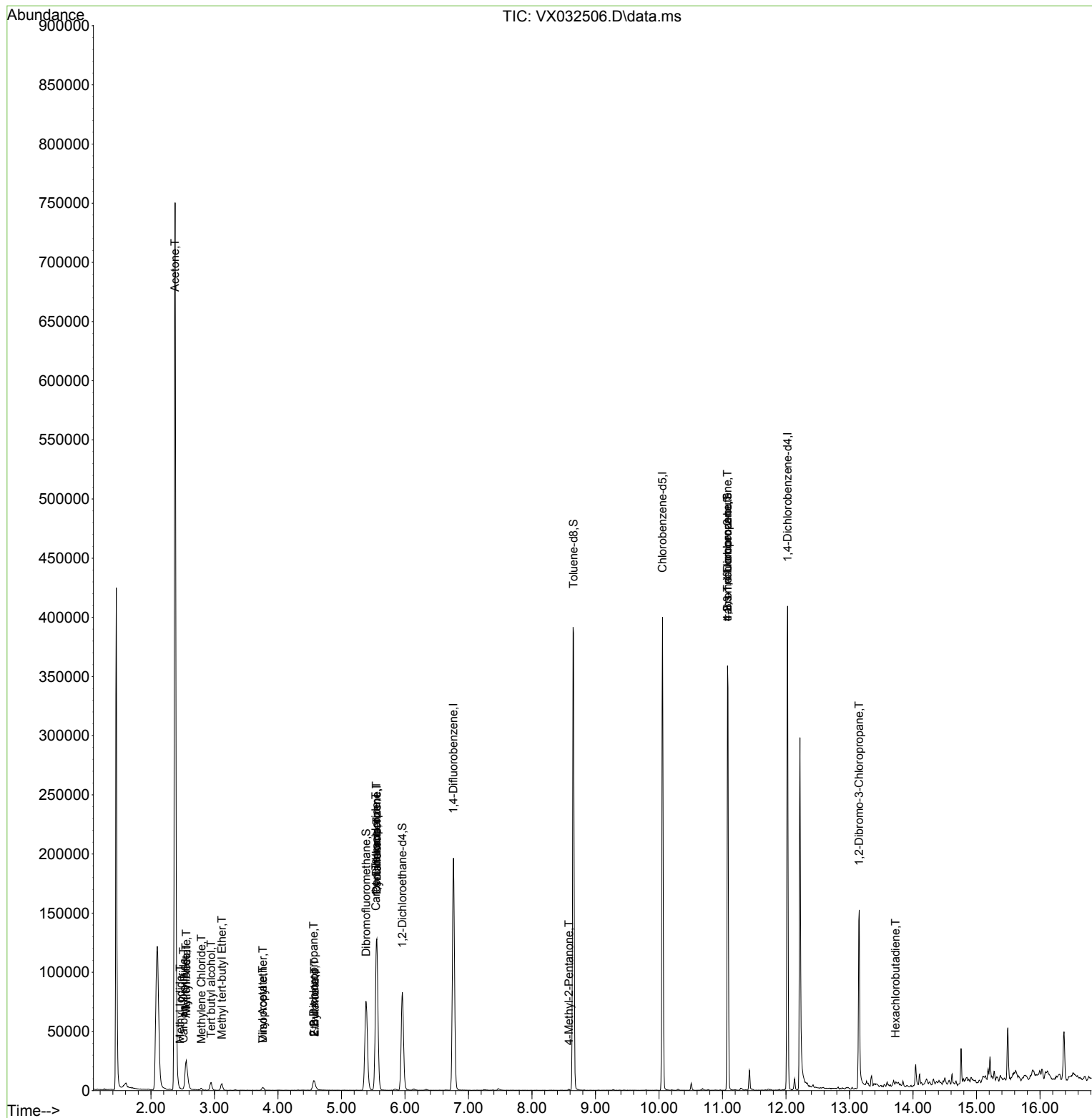
Internal Standards						
1) Pentafluorobenzene	5.556	168	121900	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	196348	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	172722	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	80858	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	81173	47.924	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.840%
35) Dibromofluoromethane	5.385	113	65244	46.584	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.160%
50) Toluene-d8	8.653	98	235081	48.270	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.540%
62) 4-Bromofluorobenzene	11.079	95	89389	46.988	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.980%
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.459	142	102	1.984	ug/l #	37
11) Tert butyl alcohol	2.947	59	4125	16.732	ug/l #	72
14) Allyl chloride	2.550	41	4197	2.154	ug/l #	66
16) Acetone	2.380	43	796906	1294.505	ug/l	99
17) Carbon Disulfide	2.514	76	911	0.313	ug/l #	74
18) Methyl Acetate	2.557	43	11358	5.674	ug/l #	51
19) Methyl tert-butyl Ether	3.117	73	5942	1.383	ug/l	100
20) Methylene Chloride	2.794	84	741	0.525	ug/l #	86
22) Diisopropyl ether	3.764	45	2438	0.578	ug/l #	79
23) Vinyl Acetate	3.758	43	1458	0.428	ug/l #	72
25) 2-Butanone	4.574	43	7150	7.497	ug/l	97
26) 2,2-Dichloropropane	4.562	77	414	0.215	ug/l #	53
31) Cyclohexane	5.556	56	2587	1.260	ug/l #	12
36) 1,1-Dichloropropene	5.550	75	9609	4.927	ug/l #	45
37) Ethyl Acetate	4.574	43	7150	3.522	ug/l #	69
38) Carbon Tetrachloride	5.544	117	12335	5.702	ug/l #	15
51) 4-Methyl-2-Pentanone	8.580	43	669	0.341	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	49435	27.481	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	49435	87.445	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	13.152	75	265	0.588	ug/l #	1
94) Hexachlorobutadiene	13.725	225	239	0.300	ug/l	85

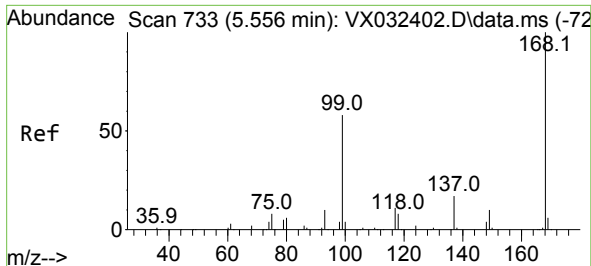
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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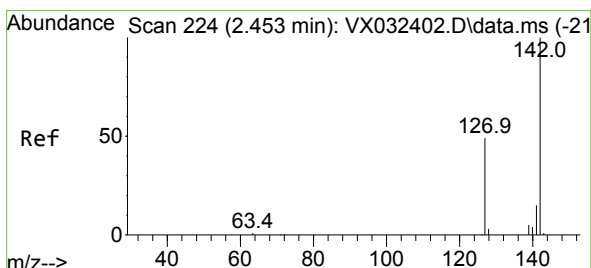
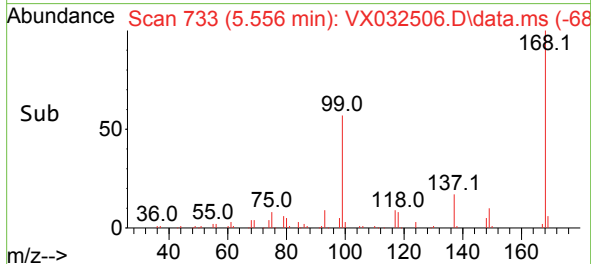
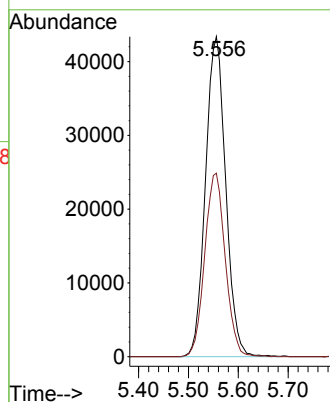
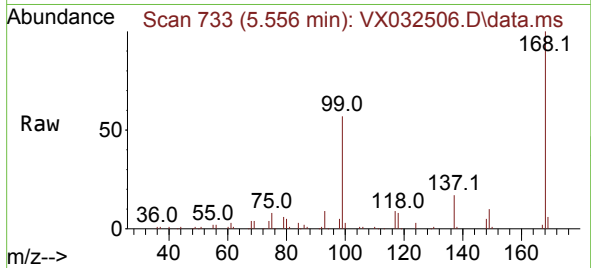




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032506.D
Acq: 01 Nov 2022 12:28

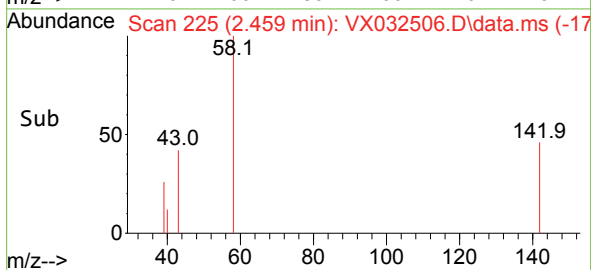
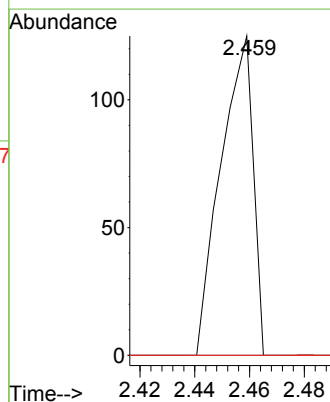
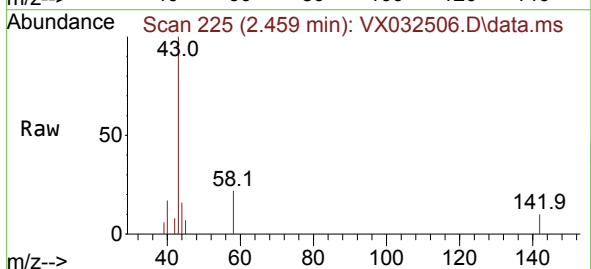
Instrument :
MSVOA_X
ClientSampleId :
31846

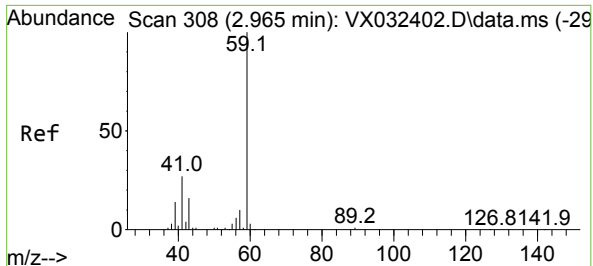
Tgt Ion:168 Resp: 121900
Ion Ratio Lower Upper
168 100
99 57.4 46.1 69.1



#10
Methyl Iodide
Concen: 1.984 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX032506.D
Acq: 01 Nov 2022 12:28

Tgt Ion:142 Resp: 102
Ion Ratio Lower Upper
142 100
127 0.0 38.6 57.8#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: 16.732 ug/l

RT: 2.947 min Scan# 308

Delta R.T. -0.018 min

Lab File: VX032506.D

Acq: 01 Nov 2022 12:28

Instrument :

MSVOA_X

ClientSampleId :

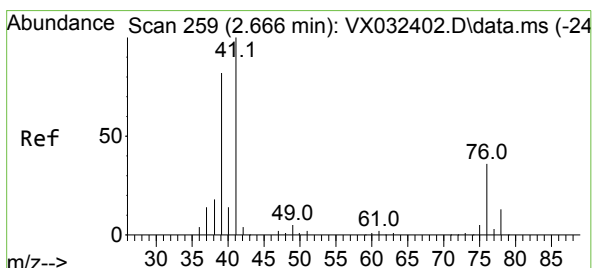
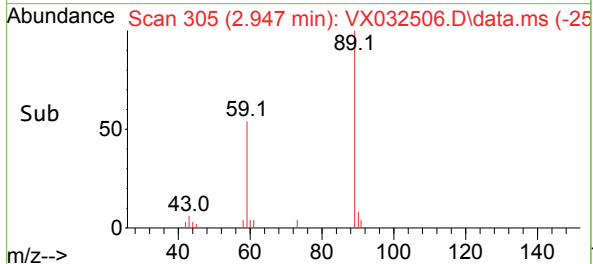
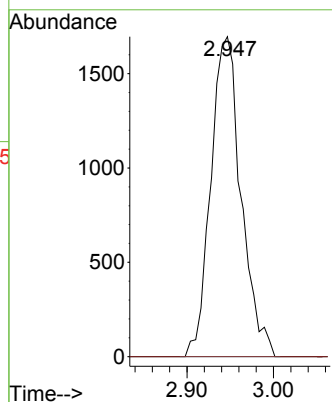
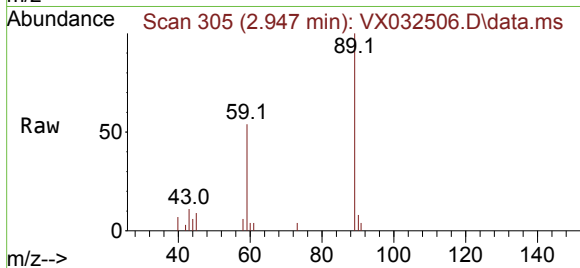
31846

Tgt Ion: 59 Resp: 4125

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#14

Allyl chloride

Concen: 2.154 ug/l

RT: 2.550 min Scan# 240

Delta R.T. -0.116 min

Lab File: VX032506.D

Acq: 01 Nov 2022 12:28

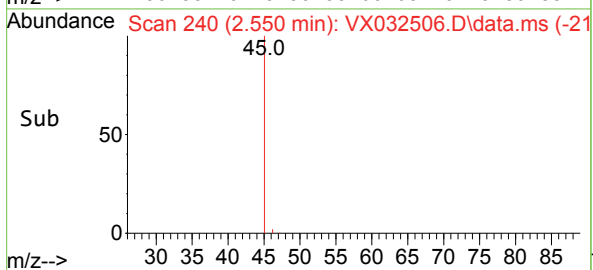
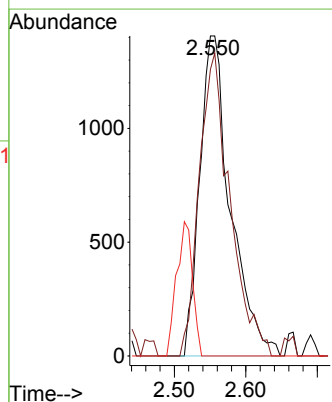
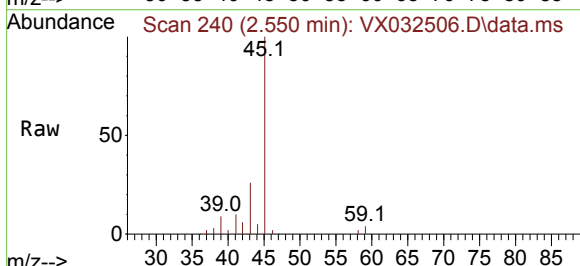
Tgt Ion: 41 Resp: 4197

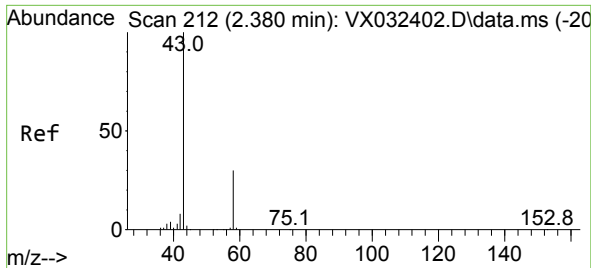
Ion Ratio Lower Upper

41 100

39 94.9 61.4 92.2#

76 0.0 29.2 43.8#

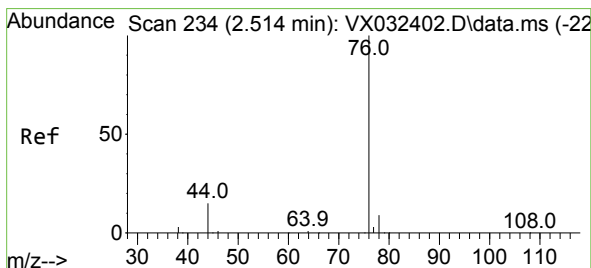
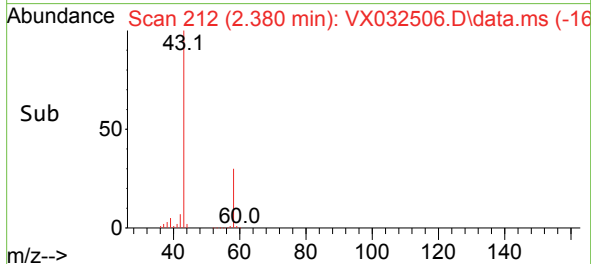
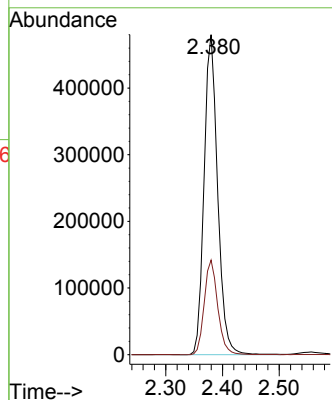
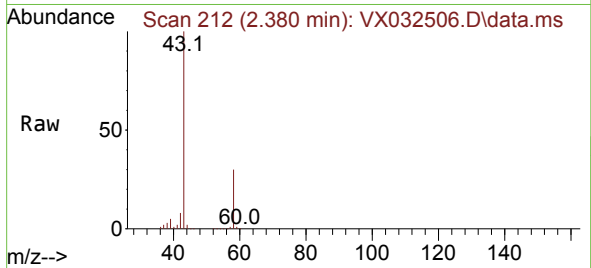




#16
Acetone
Concen: 1294.505 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX032506.D
Acq: 01 Nov 2022 12:28

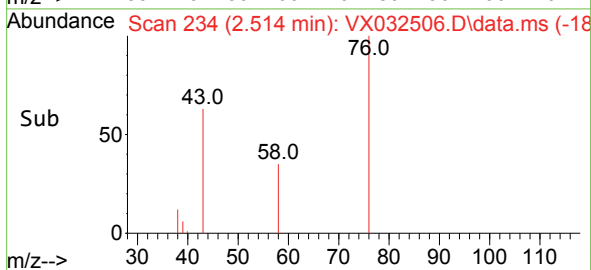
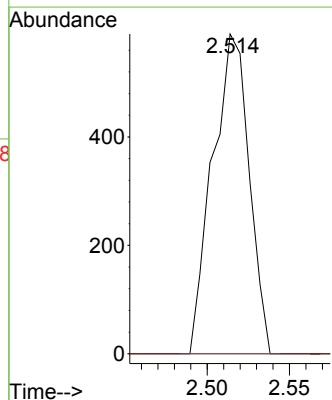
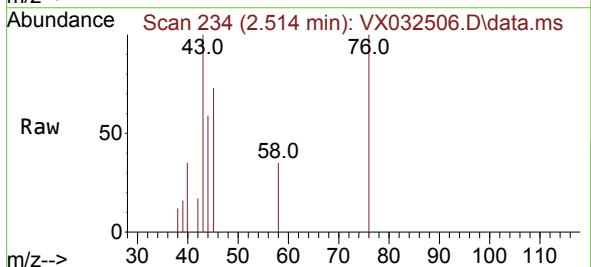
Instrument :
MSVOA_X
ClientSampleId :
31846

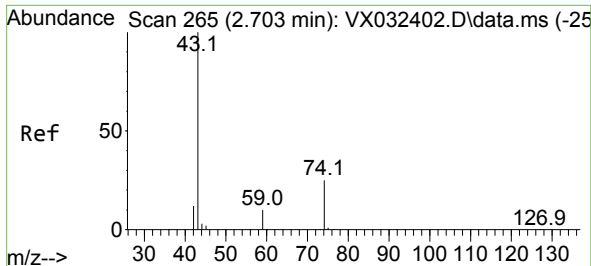
Tgt Ion: 43 Resp: 796906
Ion Ratio Lower Upper
43 100
58 29.5 23.8 35.8



#17
Carbon Disulfide
Concen: 0.313 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX032506.D
Acq: 01 Nov 2022 12:28

Tgt Ion: 76 Resp: 911
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#





#18

Methyl Acetate

Concen: 5.674 ug/l

RT: 2.557 min Scan# 241

Delta R.T. -0.146 min

Lab File: VX032506.D

Acq: 01 Nov 2022 12:28

Instrument :

MSVOA_X

ClientSampleId :

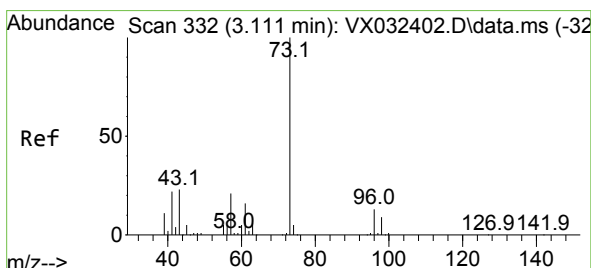
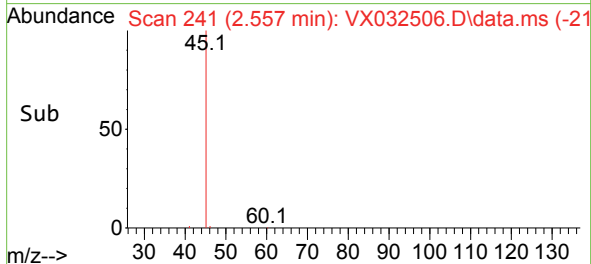
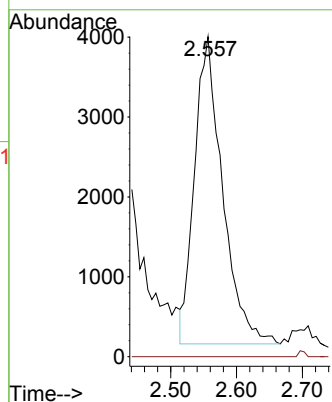
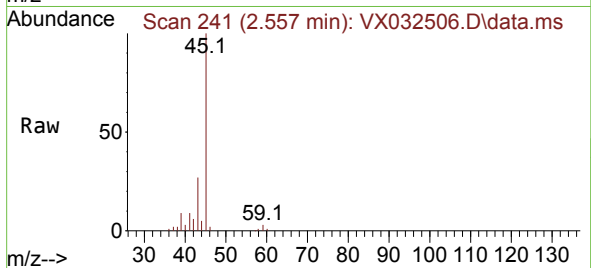
31846

Tgt Ion: 43 Resp: 11358

Ion Ratio Lower Upper

43 100

74 0.0 19.4 29.0#



#19

Methyl tert-butyl Ether

Concen: 1.383 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.006 min

Lab File: VX032506.D

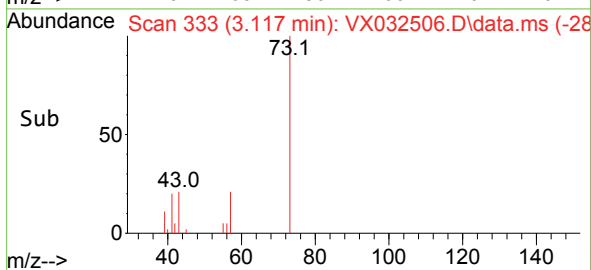
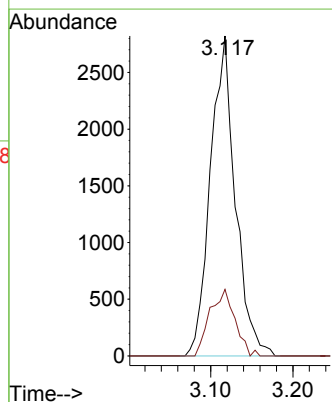
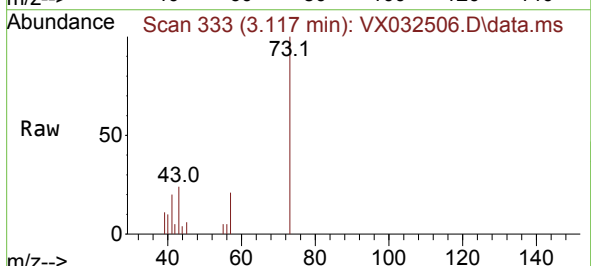
Acq: 01 Nov 2022 12:28

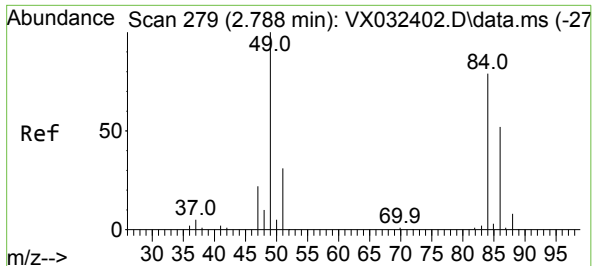
Tgt Ion: 73 Resp: 5942

Ion Ratio Lower Upper

73 100

57 20.8 16.6 25.0





#20

Methylene Chloride

Concen: 0.525 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX032506.D

Acq: 01 Nov 2022 12:28

Instrument :

MSVOA_X

ClientSampleId :

31846

Tgt Ion: 84 Resp: 741

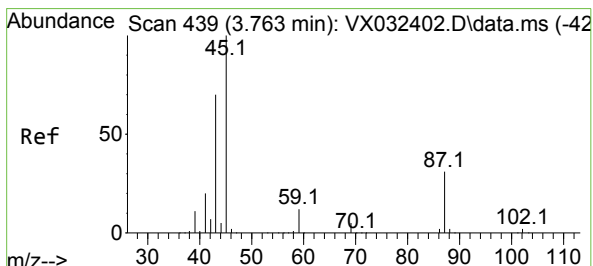
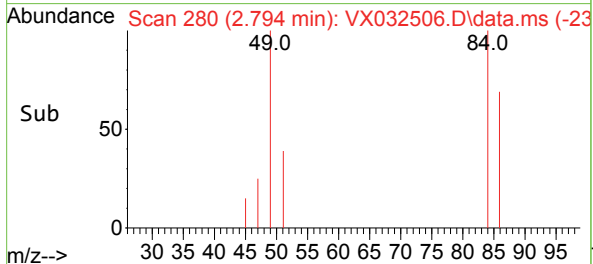
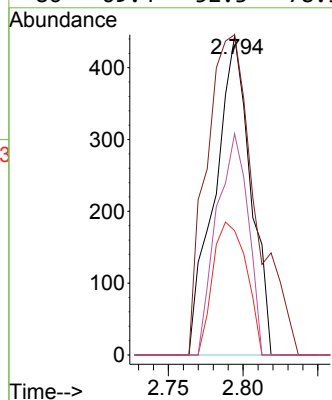
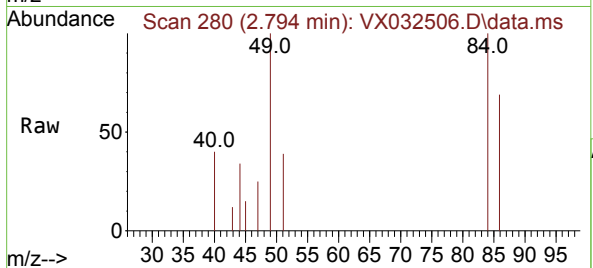
Ion Ratio Lower Upper

84 100

49 100.5 101.0 151.6#

51 39.0 31.1 46.7

86 69.4 52.3 78.5



#22

Diisopropyl ether

Concen: 0.578 ug/l

RT: 3.764 min Scan# 439

Delta R.T. 0.000 min

Lab File: VX032506.D

Acq: 01 Nov 2022 12:28

Tgt Ion: 45 Resp: 2438

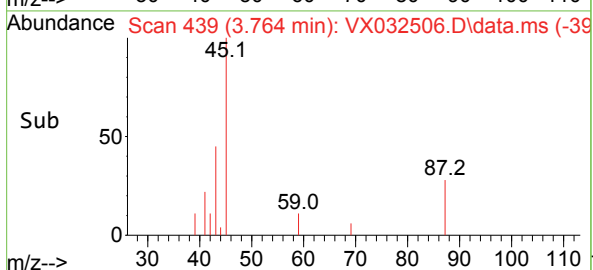
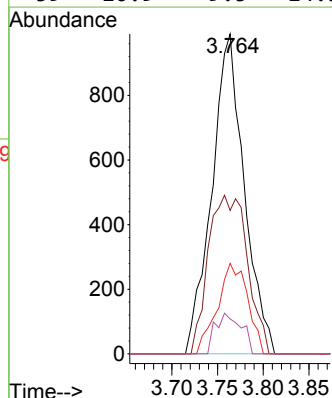
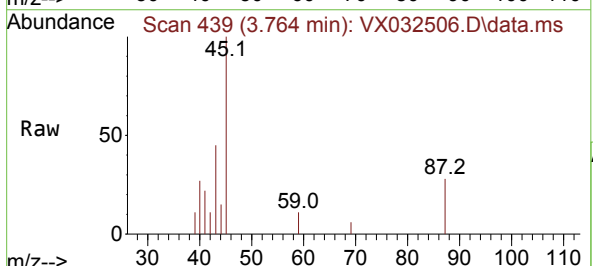
Ion Ratio Lower Upper

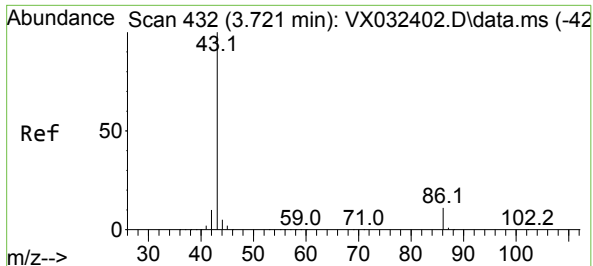
45 100

43 44.8 56.4 84.6#

87 28.3 24.4 36.6

59 10.9 9.5 14.3

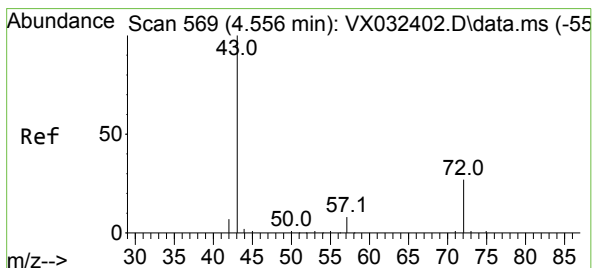
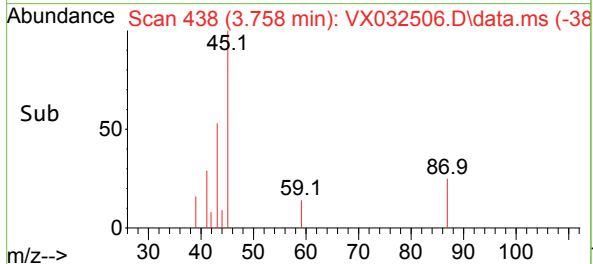
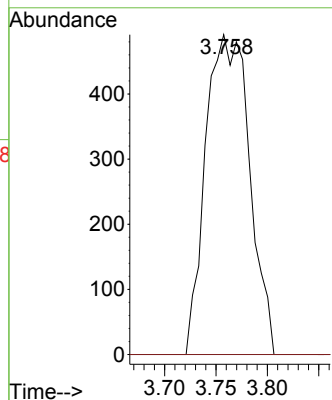
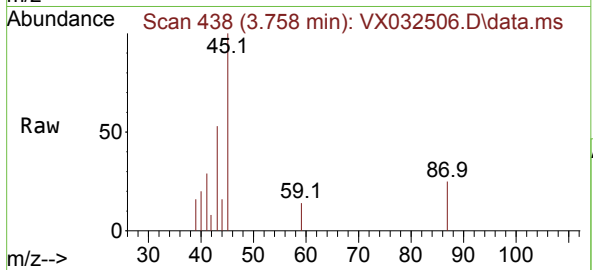




#23
 Vinyl Acetate
 Concen: 0.428 ug/l
 RT: 3.758 min Scan# 41
 Delta R.T. 0.037 min
 Lab File: VX032506.D
 Acq: 01 Nov 2022 12:28

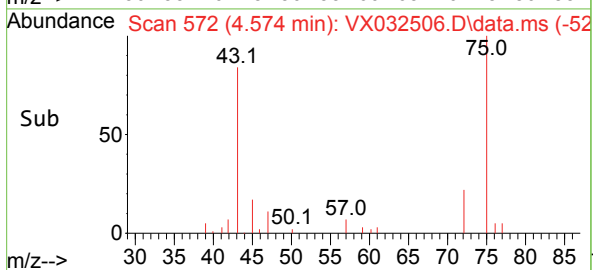
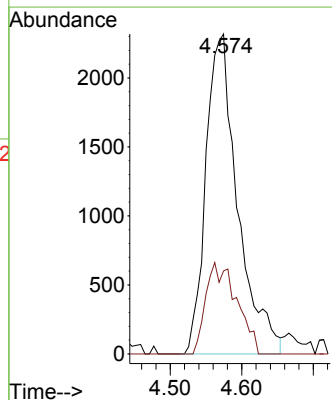
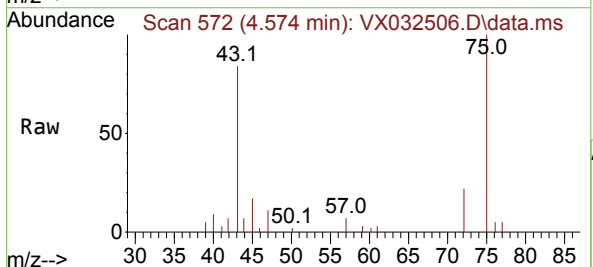
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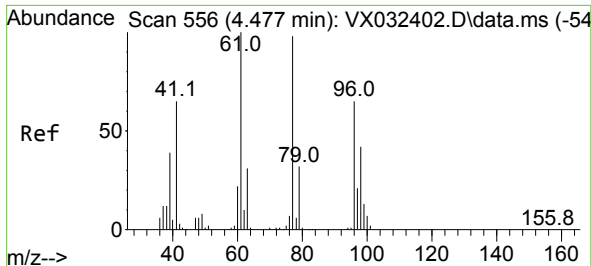
Tgt Ion: 43 Resp: 1458
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#25
 2-Butanone
 Concen: 7.497 ug/l
 RT: 4.574 min Scan# 572
 Delta R.T. 0.018 min
 Lab File: VX032506.D
 Acq: 01 Nov 2022 12:28

Tgt Ion: 43 Resp: 7150
 Ion Ratio Lower Upper
 43 100
 72 26.0 22.2 33.2

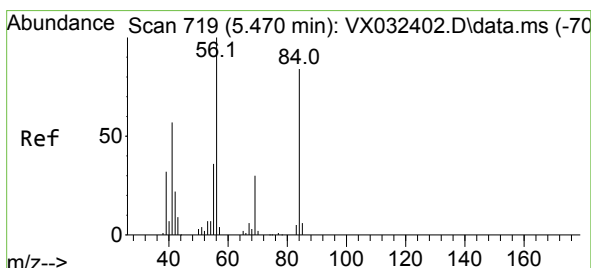
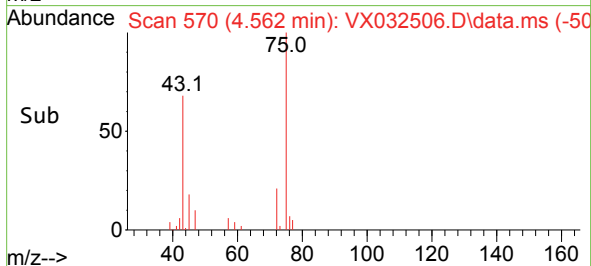
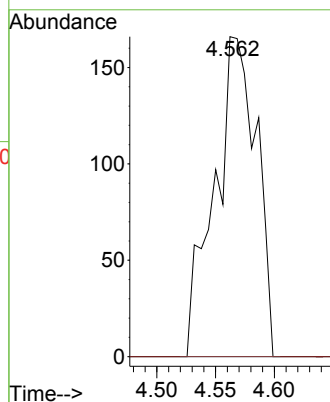
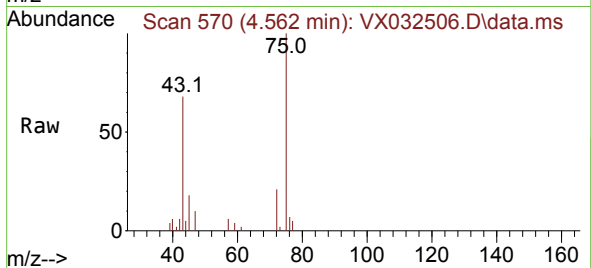




#26
2,2-Dichloropropane
Concen: 0.215 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.085 min
Lab File: VX032506.D
Acq: 01 Nov 2022 12:28

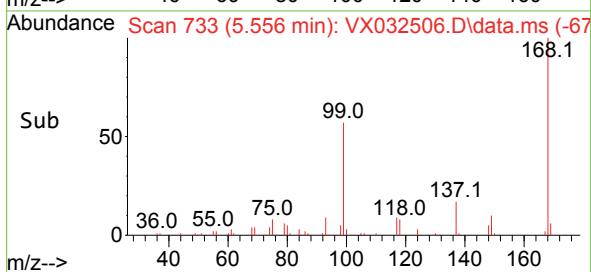
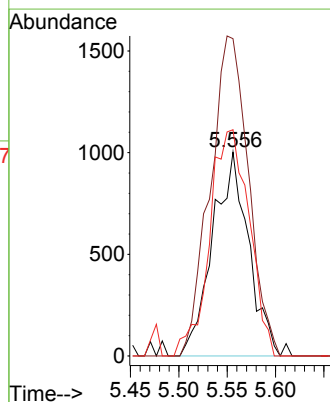
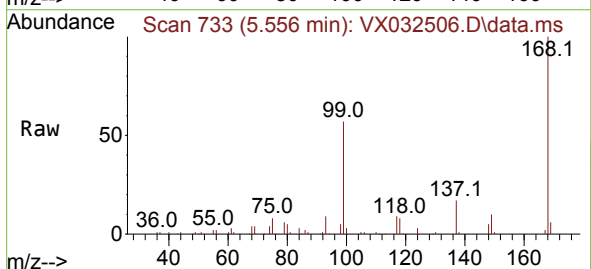
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31846

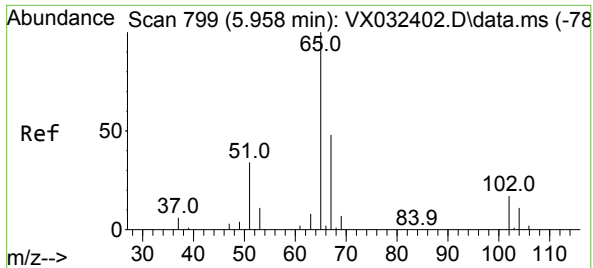
Tgt Ion: 77 Resp: 414
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.1#



#31
Cyclohexane
Concen: 1.260 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.086 min
Lab File: VX032506.D
Acq: 01 Nov 2022 12:28

Tgt Ion: 56 Resp: 2587
Ion Ratio Lower Upper
56 100
69 155.6 24.1 36.1#
84 116.0 66.9 100.3#

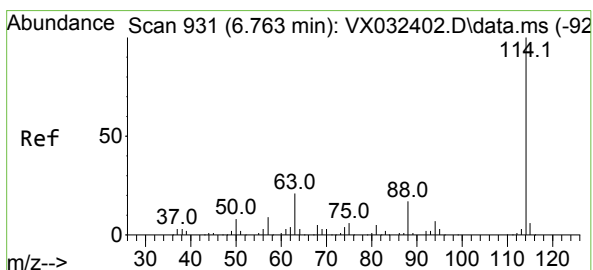
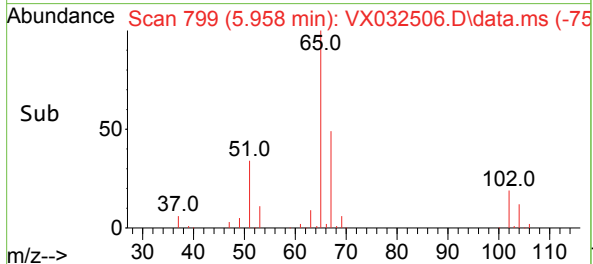
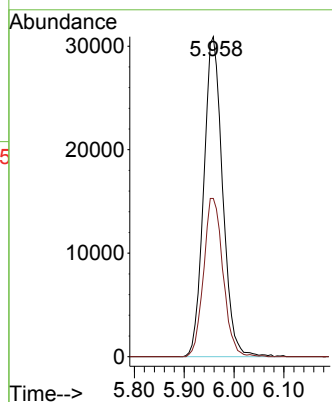
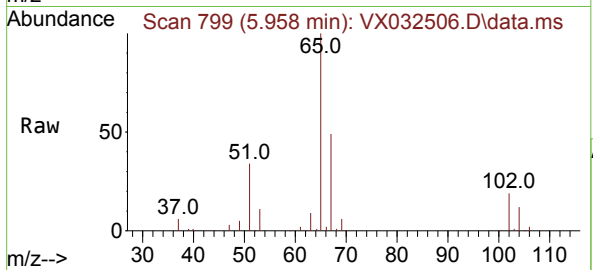




#33
 1,2-Dichloroethane-d4
 Concen: 47.924 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX032506.D
 Acq: 01 Nov 2022 12:28

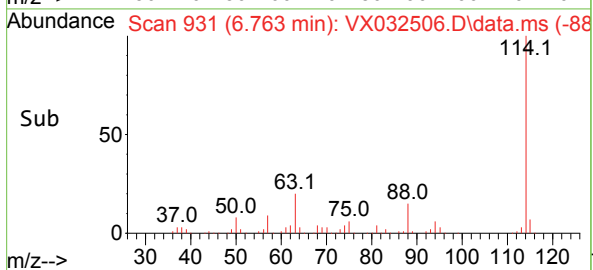
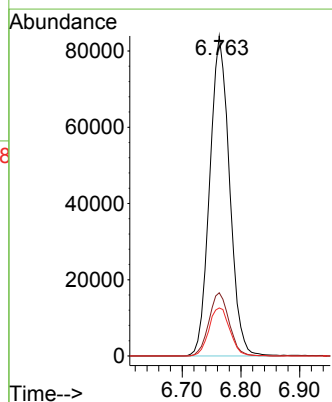
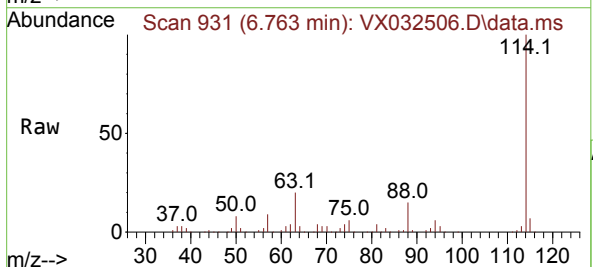
Instrument :
 MSVOA_X
 ClientSampleId :
 31846

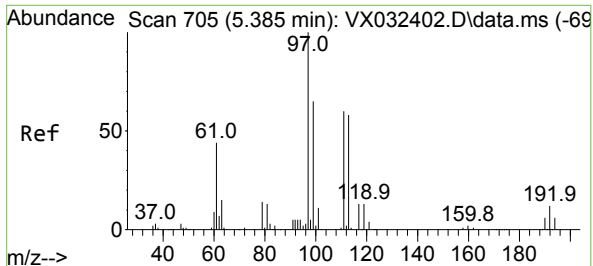
Tgt Ion: 65 Resp: 81173
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX032506.D
 Acq: 01 Nov 2022 12:28

Tgt Ion: 114 Resp: 196348
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.6
 88 15.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 46.584 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX032506.D

Acq: 01 Nov 2022 12:28

Instrument :

MSVOA_X

ClientSampleId :

31846

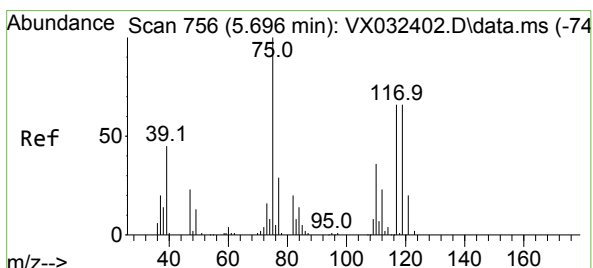
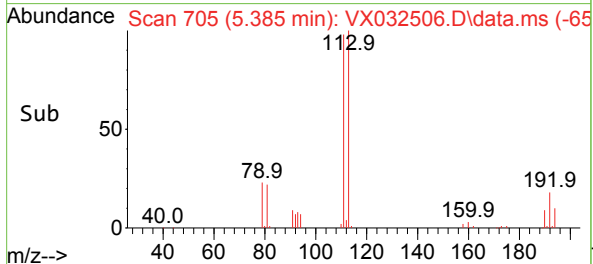
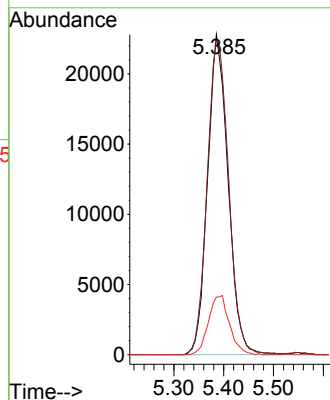
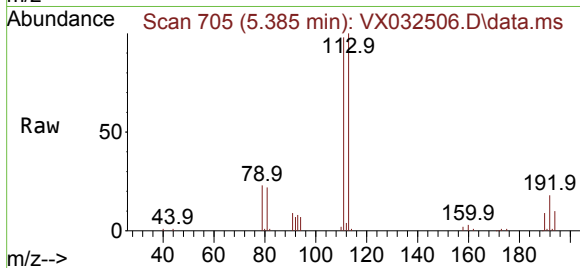
Tgt Ion:113 Resp: 65244

Ion Ratio Lower Upper

113 100

111 103.0 82.4 123.6

192 18.8 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.927 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX032506.D

Acq: 01 Nov 2022 12:28

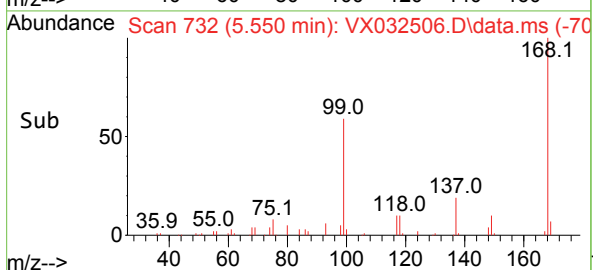
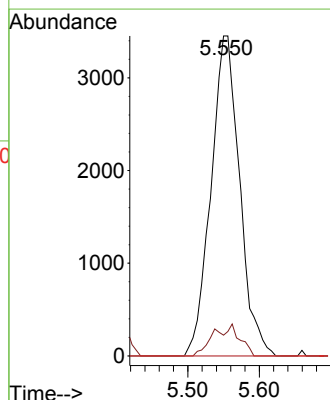
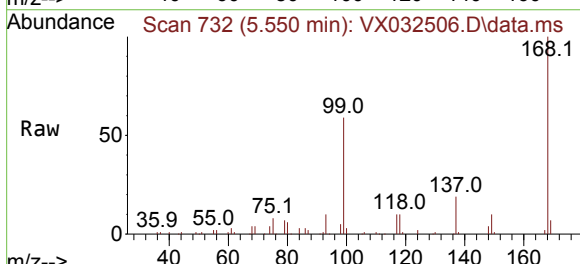
Tgt Ion: 75 Resp: 9609

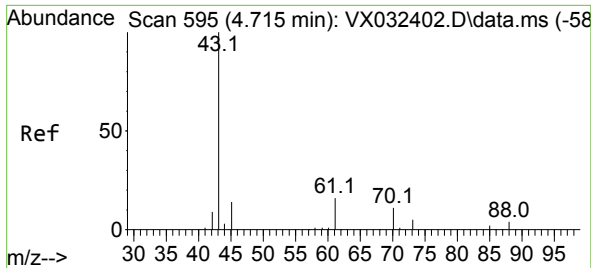
Ion Ratio Lower Upper

75 100

110 4.5 18.4 55.2#

77 0.0 24.5 36.7#

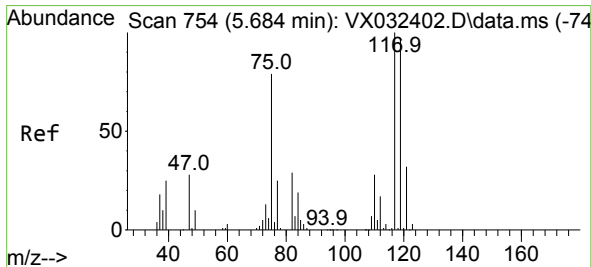
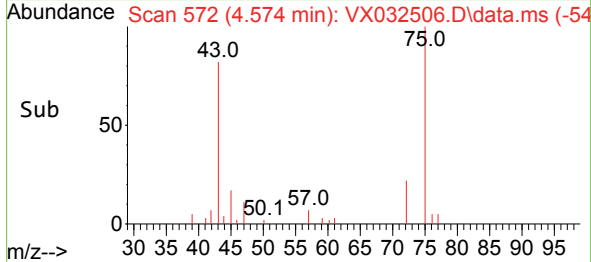
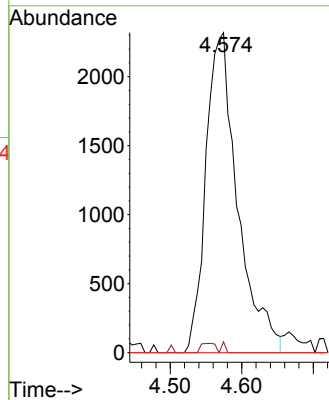
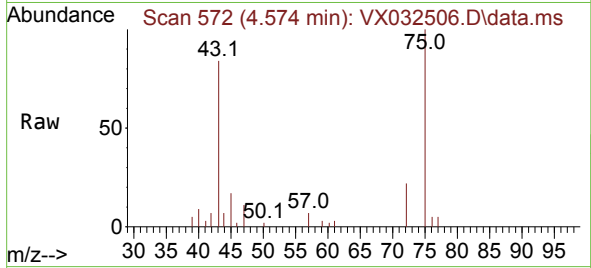




#37
Ethyl Acetate
Concen: 3.522 ug/l
RT: 4.574 min Scan# 51
Delta R.T. -0.140 min
Lab File: VX032506.D
Acq: 01 Nov 2022 12:28

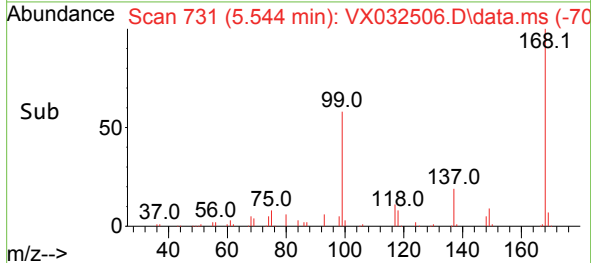
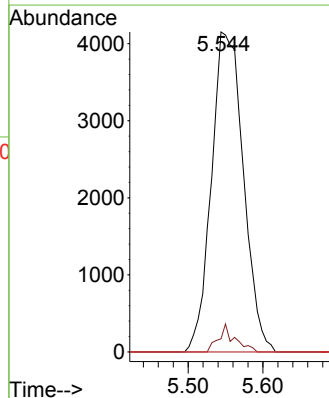
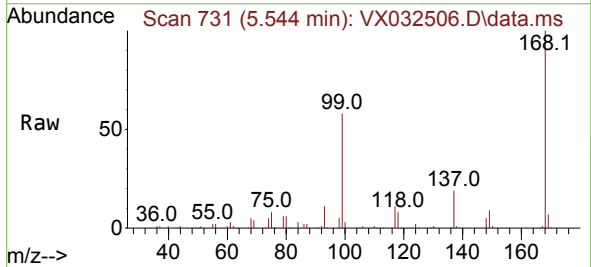
Instrument :
MSVOA_X
ClientSampleId :
31846

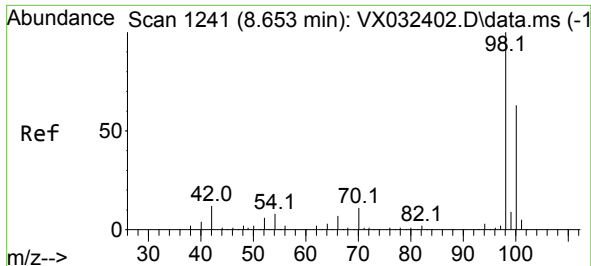
Tgt Ion: 43	Resp:	7150
Ion	Ratio	Lower Upper
43	100	
61	1.3	11.5 17.3#
70	0.0	9.1 13.7#



#38
Carbon Tetrachloride
Concen: 5.702 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX032506.D
Acq: 01 Nov 2022 12:28

Tgt Ion: 117	Resp:	12335
Ion	Ratio	Lower Upper
117	100	
119	4.1	77.2 115.8#
121	0.0	25.8 38.6#

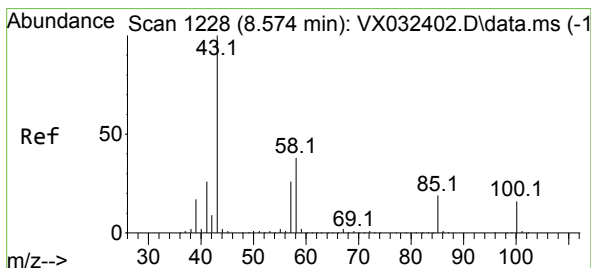
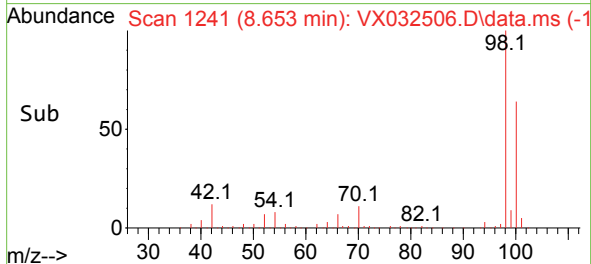
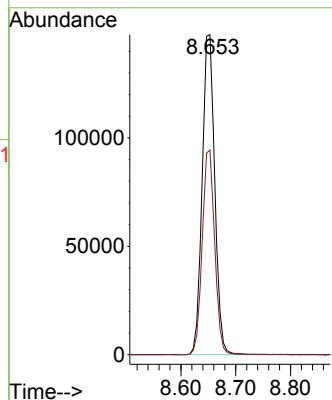
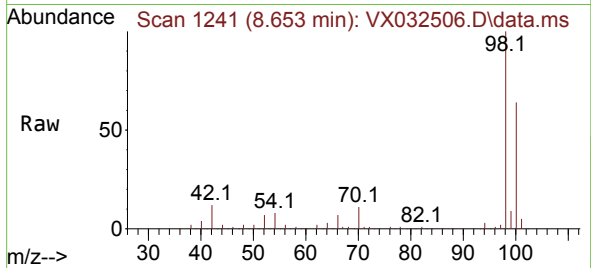




#50
Toluene-d8
Concen: 48.270 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX032506.D
Acq: 01 Nov 2022 12:28

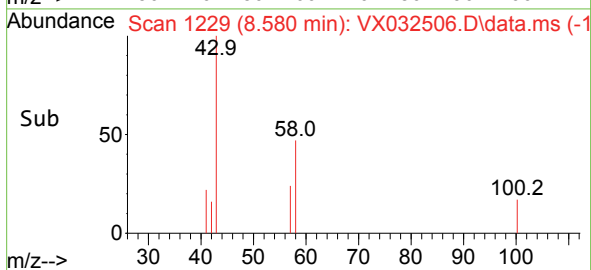
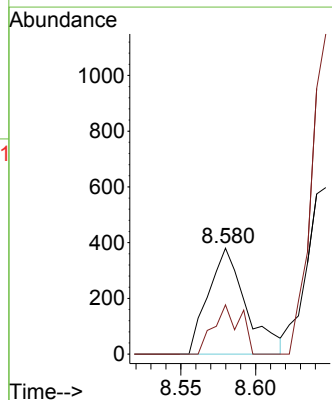
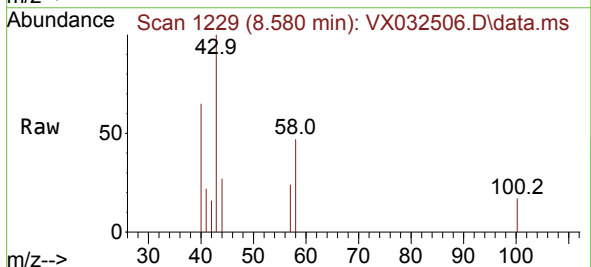
Instrument :
MSVOA_X
ClientSampleId :
31846

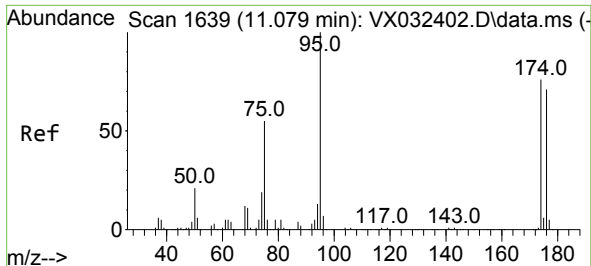
Tgt Ion: 98 Resp: 235081
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 0.341 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX032506.D
Acq: 01 Nov 2022 12:28

Tgt Ion: 43 Resp: 669
Ion Ratio Lower Upper
43 100
58 33.2 30.9 46.3

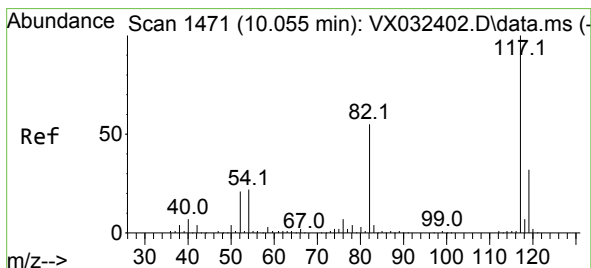
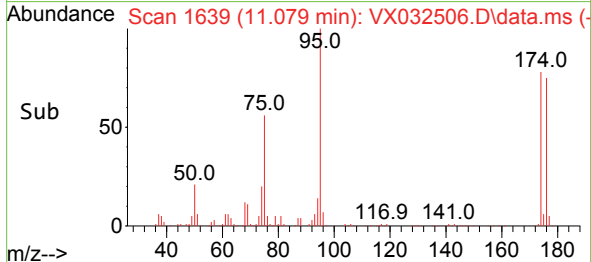
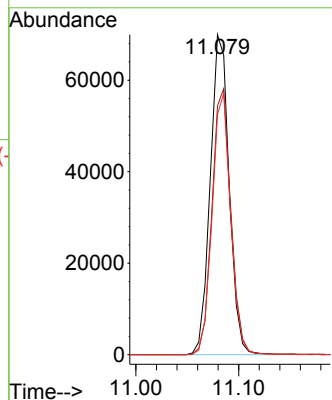
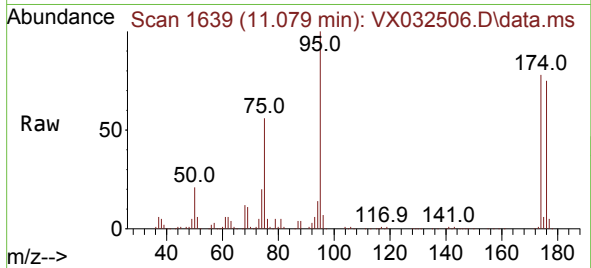




#62
4-Bromofluorobenzene
Concen: 46.988 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX032506.D
Acq: 01 Nov 2022 12:28

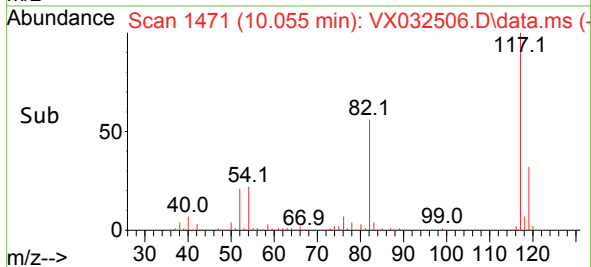
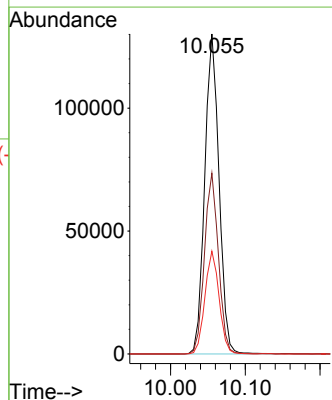
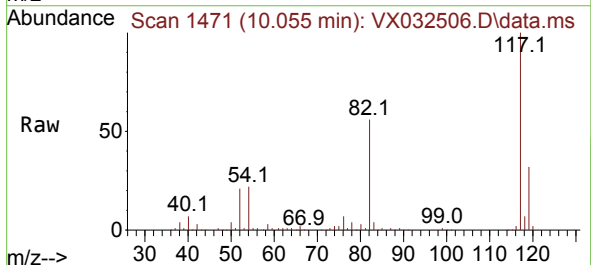
Instrument :
MSVOA_X
ClientSampleId :
31846

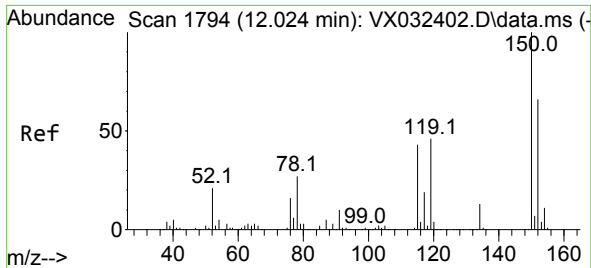
Tgt Ion: 95 Resp: 89389
Ion Ratio Lower Upper
95 100
174 83.4 0.0 164.0
176 80.0 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032506.D
Acq: 01 Nov 2022 12:28

Tgt Ion: 117 Resp: 172722
Ion Ratio Lower Upper
117 100
82 56.5 44.3 66.5
119 32.1 25.7 38.5

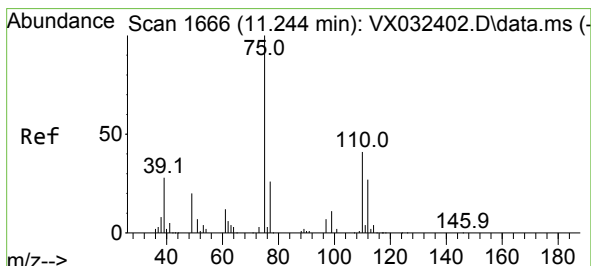
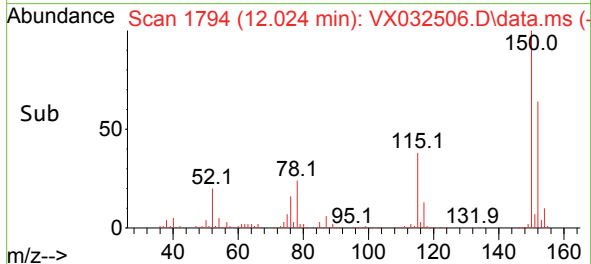
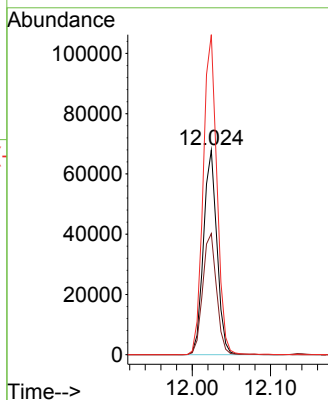
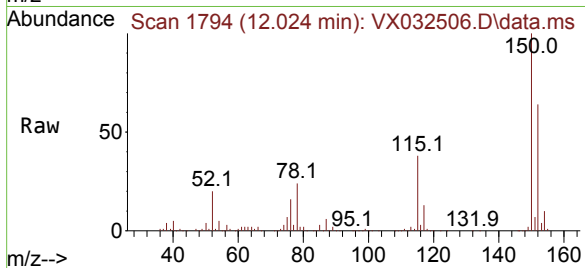




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX032506.D
 Acq: 01 Nov 2022 12:28

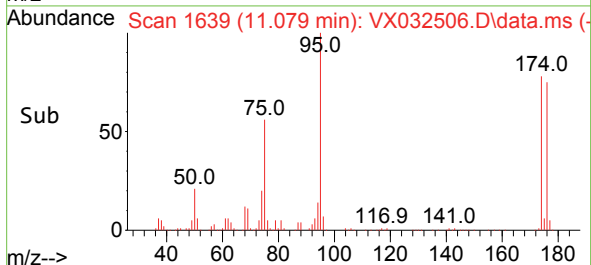
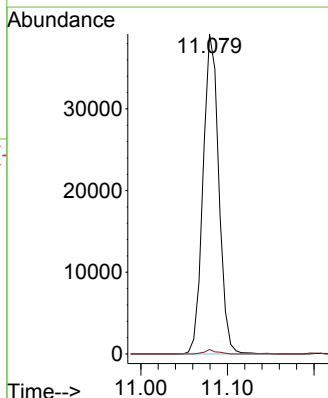
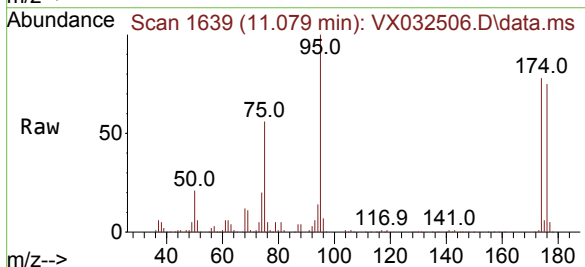
Instrument :
 MSVOA_X
 ClientSampleId :
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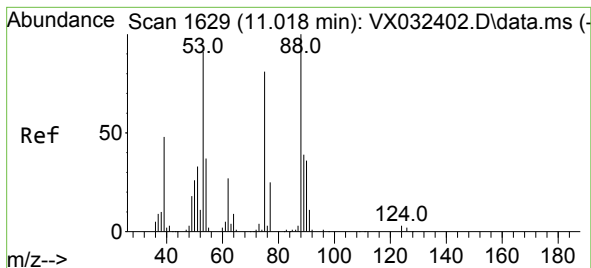
Tgt Ion:152 Resp: 80858
 Ion Ratio Lower Upper
 152 100
 115 61.1 44.0 132.0
 150 160.0 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 27.481 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.164 min
 Lab File: VX032506.D
 Acq: 01 Nov 2022 12:28

Tgt Ion: 75 Resp: 49435
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.0 60.0#

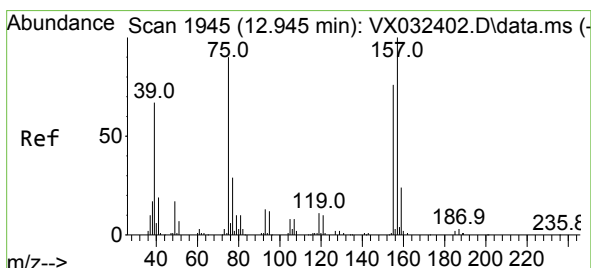
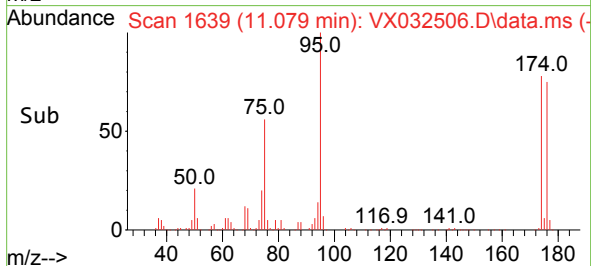
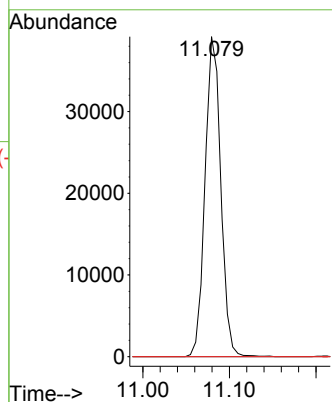
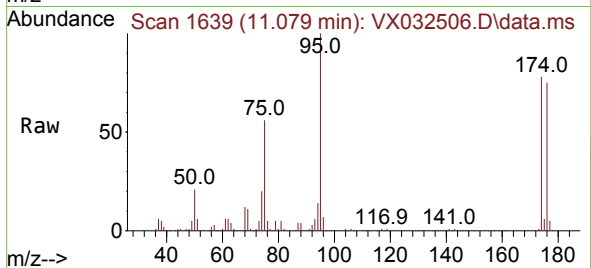




#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.445 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX032506.D
 Acq: 01 Nov 2022 12:28

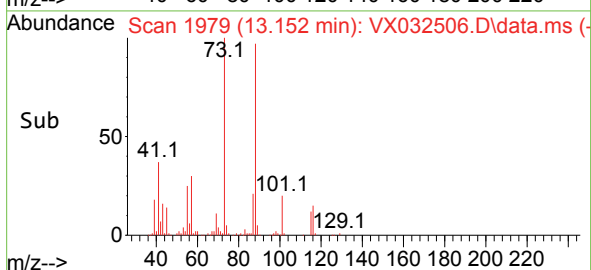
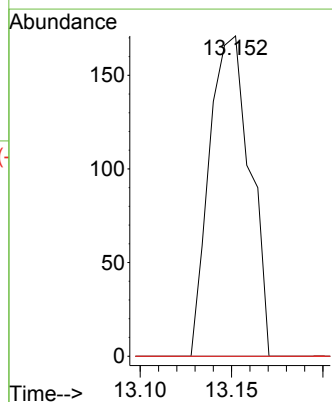
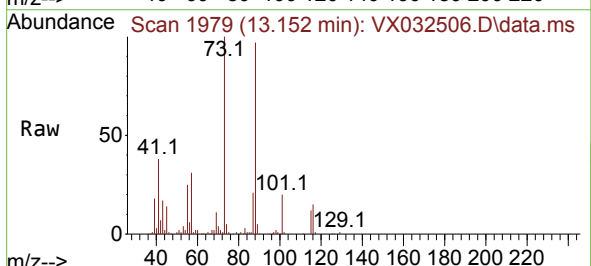
Instrument :
 MSVOA_X
 ClientSampleId :
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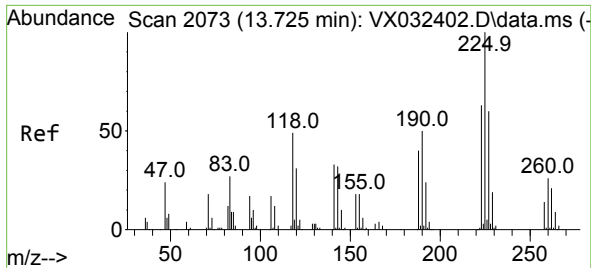
Tgt Ion: 75 Resp: 49435
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.9 130.3#
 89 0.0 38.3 57.5#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.588 ug/l
 RT: 13.152 min Scan# 1979
 Delta R.T. 0.207 min
 Lab File: VX032506.D
 Acq: 01 Nov 2022 12:28

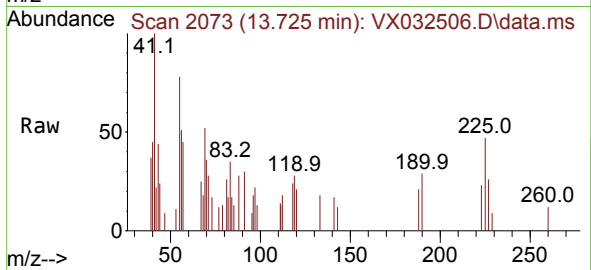
Tgt Ion: 75 Resp: 265
 Ion Ratio Lower Upper
 75 100
 155 0.0 41.6 124.8#
 157 0.0 54.1 162.4#





#94
 Hexachlorobutadiene
 Concen: 0.300 ug/l
 RT: 13.725 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VX032506.D
 Acq: 01 Nov 2022 12:28

Instrument :
 MSVOA_X
 ClientSampleId :
 31846



Tgt Ion:	225	Resp:	239
Ion	Ratio	Lower	Upper
225	100		
223	58.6	31.9	95.9
227	81.6	31.9	95.5

