

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102522\
 Data File : VX032387.D
 Acq On : 26 Oct 2022 00:33
 Operator : JC/MD
 Sample : N5265-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 72-11976

Quant Time: Oct 27 14:21:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 22 04:56:40 2022
 Response via : Initial Calibration

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

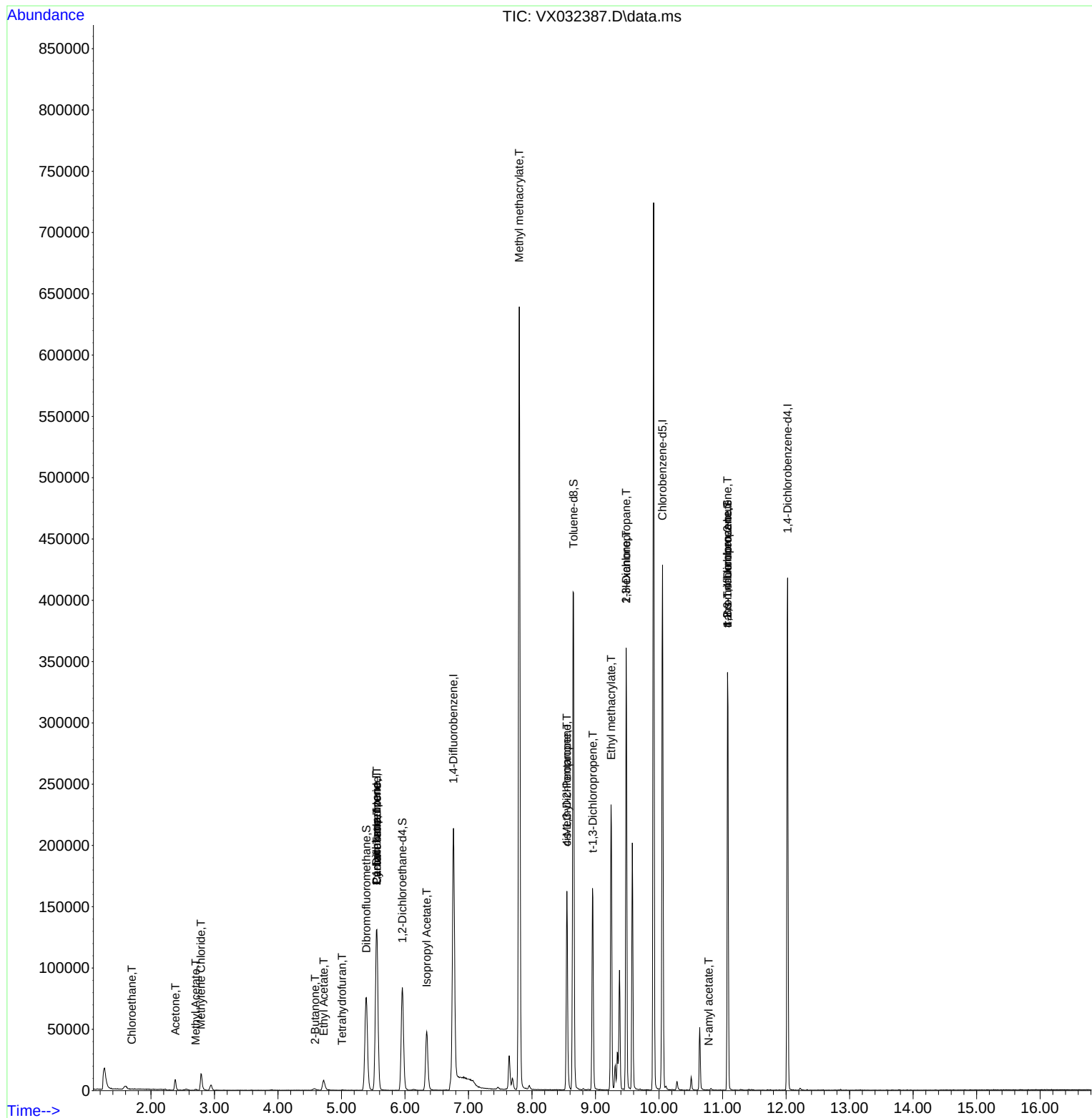
Internal Standards						
1) Pentafluorobenzene	5.556	168	126800	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	205324	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	180603	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	84945	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	82019	49.722	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.440%
35) Dibromofluoromethane	5.391	113	64424	45.090	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.180%
50) Toluene-d8	8.653	98	245605	47.754	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.500%
62) 4-Bromofluorobenzene	11.079	95	84882	45.070	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.140%
Target Compounds						
					Qvalue	
3) Chloromethane	1.276	50	911	Below Cal	#	44
6) Chloroethane	1.697	64	71	2.007	ug/l #	41
11) Tert butyl alcohol	2.947	59	2623	Below Cal	#	74
16) Acetone	2.386	43	9557	17.853	ug/l	100
18) Methyl Acetate	2.703	43	1146	0.631	ug/l #	70
20) Methylene Chloride	2.788	84	7058	5.135	ug/l	97
25) 2-Butanone	4.587	43	1263	1.511	ug/l #	81
29) Tetrahydrofuran	5.007	42	229	0.424	ug/l #	31
31) Cyclohexane	5.556	56	2951	1.565	ug/l #	42
36) 1,1-Dichloropropene	5.550	75	9651	5.251	ug/l #	49
37) Ethyl Acetate	4.721	43	14762	8.203	ug/l	97
38) Carbon Tetrachloride	5.556	117	13071	6.737	ug/l #	16
43) Isopropyl Acetate	6.342	43	64881	22.972	ug/l	100
48) Methyl methacrylate	7.799	41	57379	40.736	ug/l #	43
51) 4-Methyl-2-Pentanone	8.549	43	54908	31.013	ug/l #	49
53) t-1,3-Dichloropropene	8.958	75	337	1.974	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	24043	11.654	ug/l #	68
56) Ethyl methacrylate	9.244	69	502	0.249	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	2848	1.254	ug/l #	42
59) 2-Hexanone	9.482	43	41350	31.301	ug/l #	51
74) N-amyl acetate	10.781	43	465	0.208	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	45023	26.750	ug/l #	45
81) trans-1,4-Dichloro-2-b...	11.079	75	45023	82.160	ug/l #	6

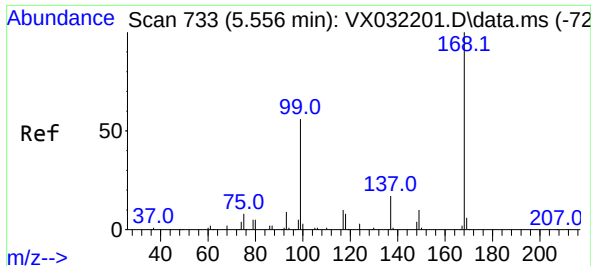
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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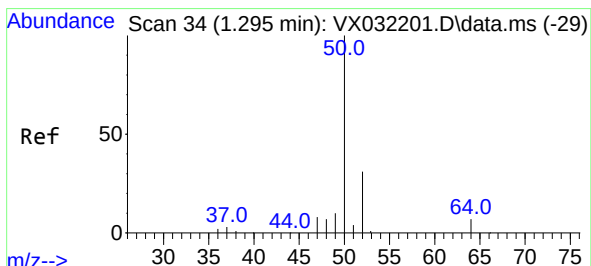
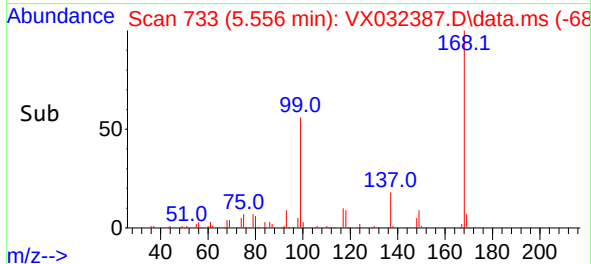
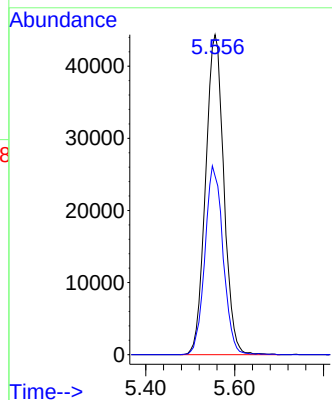
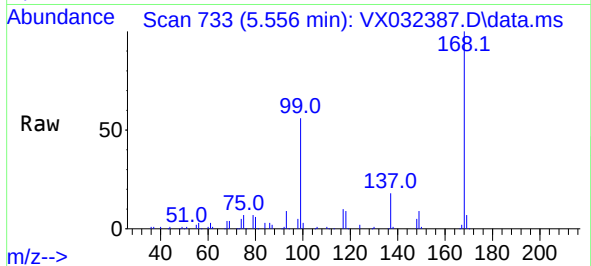




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032387.D
Acq: 26 Oct 2022 00:33

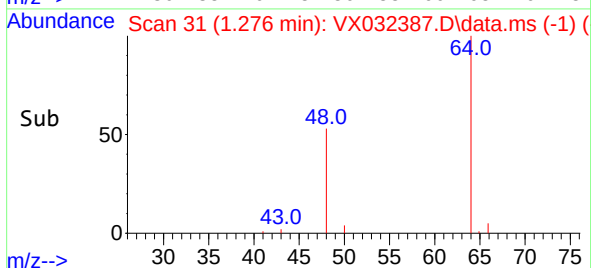
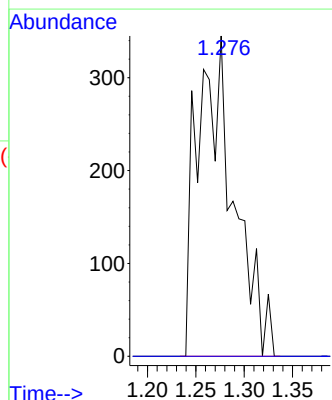
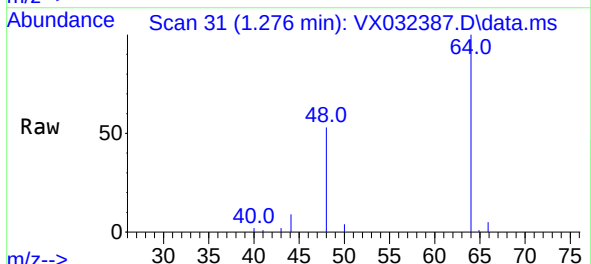
Instrument :
MSVOA_X
ClientSampleId :
72-11976

Tgt Ion:168 Resp: 126800
Ion Ratio Lower Upper
168 100
99 55.8 44.8 67.2

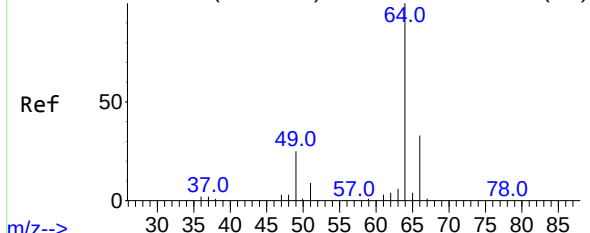


#3
Chloromethane
Concen: Below Cal
RT: 1.276 min Scan# 31
Delta R.T. -0.019 min
Lab File: VX032387.D
Acq: 26 Oct 2022 00:33

Tgt Ion: 50 Resp: 911
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#



Abundance Scan 98 (1.685 min): VX032201.D\data.ms (-89)



#6

Chloroethane

Concen: 2.007 ug/l

RT: 1.697 min Scan# 10

Delta R.T. 0.012 min

Lab File: VX032387.D

Acq: 26 Oct 2022 00:33

Instrument :

MSVOA_X

ClientSampleId :

72-11976

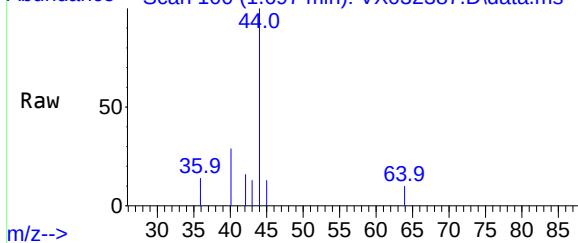
Tgt Ion: 64 Resp: 71

Ion Ratio Lower Upper

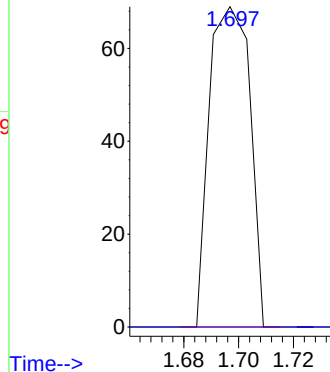
64 100

66 0.0 26.6 39.8#

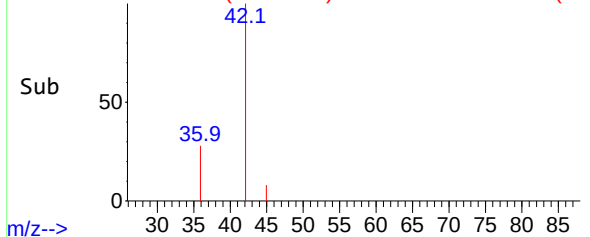
Abundance Scan 100 (1.697 min): VX032387.D\data.ms



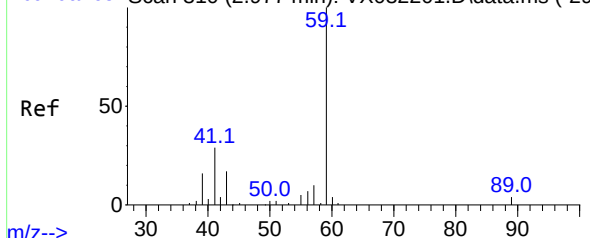
Abundance



Abundance Scan 100 (1.697 min): VX032387.D\data.ms (-49)



Abundance Scan 310 (2.977 min): VX032201.D\data.ms (-29)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 305

Delta R.T. -0.030 min

Lab File: VX032387.D

Acq: 26 Oct 2022 00:33

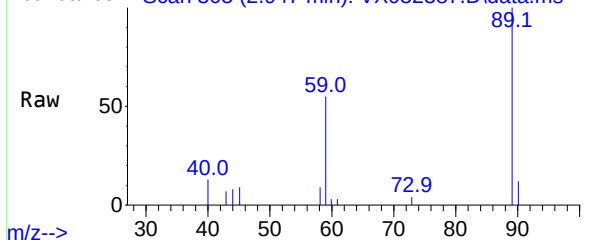
Tgt Ion: 59 Resp: 2623

Ion Ratio Lower Upper

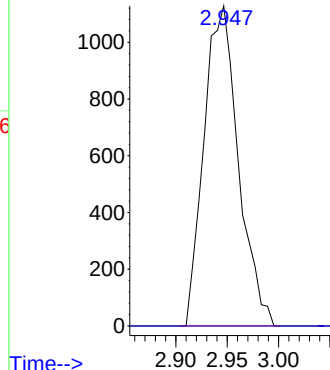
59 100

57 0.0 7.5 11.3#

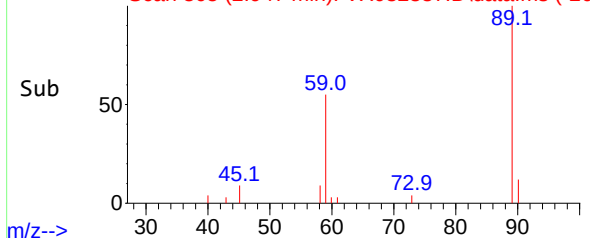
Abundance Scan 305 (2.947 min): VX032387.D\data.ms

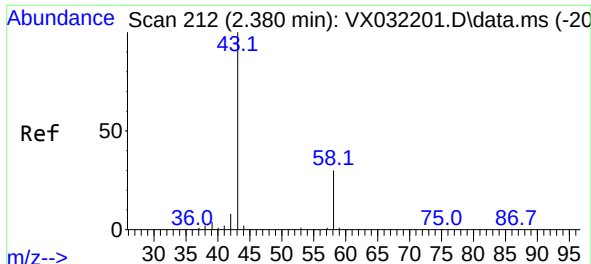


Abundance



Abundance Scan 305 (2.947 min): VX032387.D\data.ms (-26)

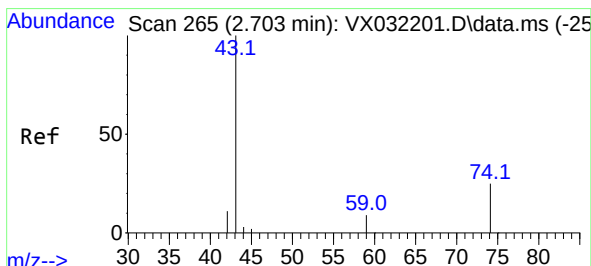
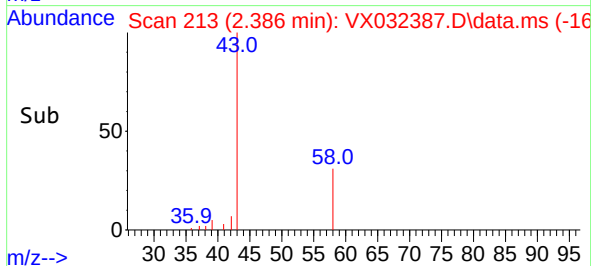
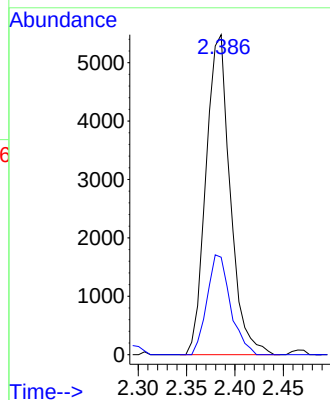
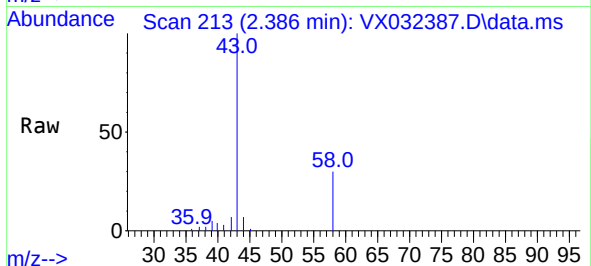




#16
Acetone
Concen: 17.853 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX032387.D
Acq: 26 Oct 2022 00:33

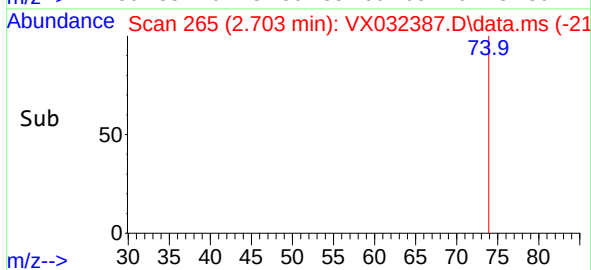
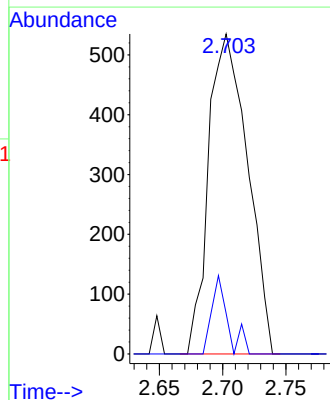
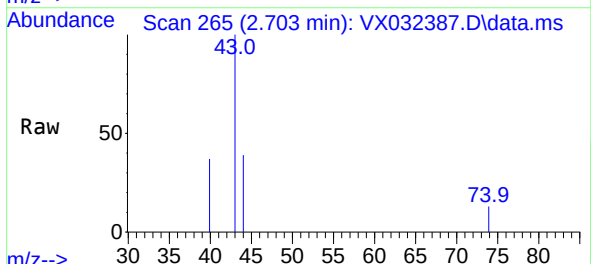
Instrument :
MSVOA_X
ClientSampleId :
72-11976

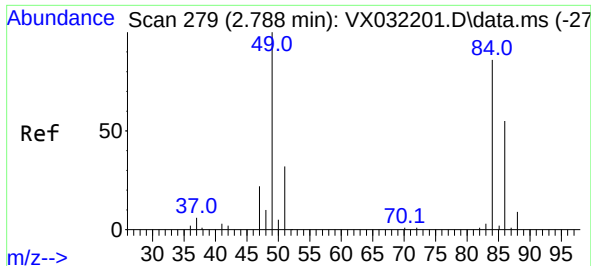
Tgt Ion: 43 Resp: 9557
Ion Ratio Lower Upper
43 100
58 30.5 24.2 36.2



#18
Methyl Acetate
Concen: 0.631 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX032387.D
Acq: 26 Oct 2022 00:33

Tgt Ion: 43 Resp: 1146
Ion Ratio Lower Upper
43 100
74 10.0 19.8 29.8#



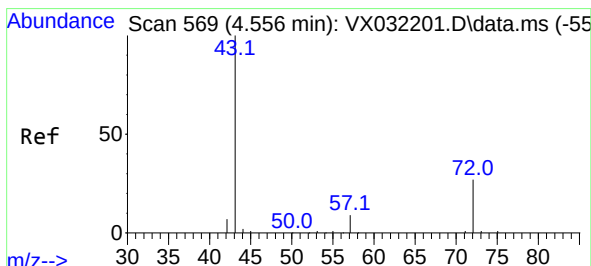
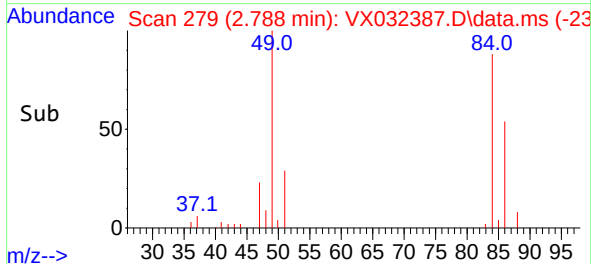
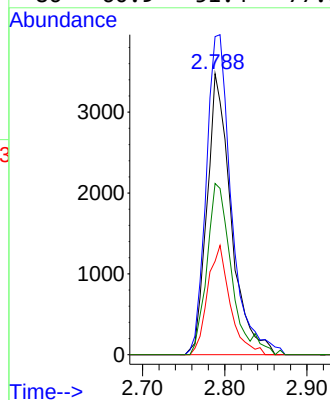
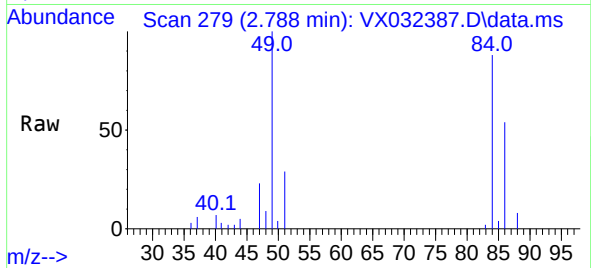


#20
Methylene Chloride
Concen: 5.135 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX032387.D
Acq: 26 Oct 2022 00:33

Instrument :
MSVOA_X
ClientSampleId :
72-11976

Tgt Ion: 84 Resp: 7058

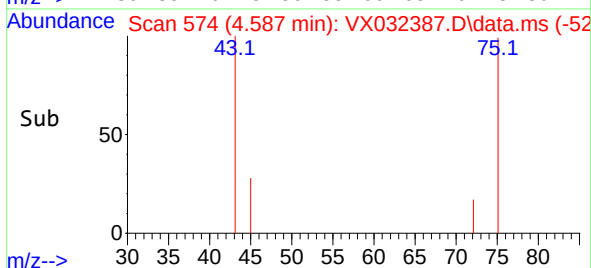
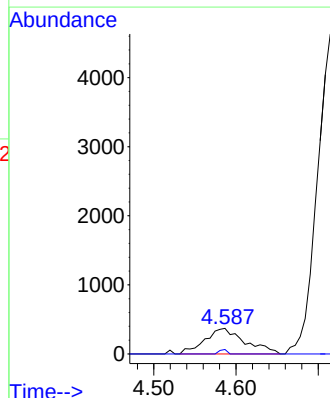
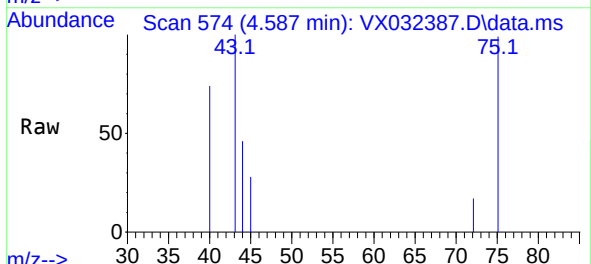
Ion	Ratio	Lower	Upper
84	100		
49	113.2	92.6	139.0
51	33.2	29.2	43.8
86	60.9	51.4	77.0

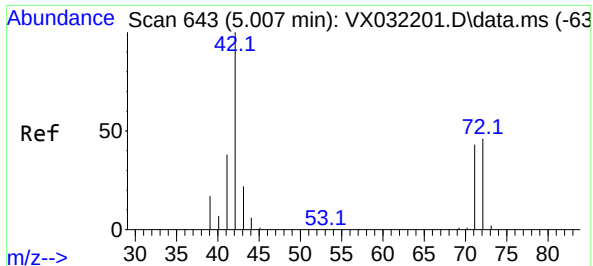


#25
2-Butanone
Concen: 1.511 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.031 min
Lab File: VX032387.D
Acq: 26 Oct 2022 00:33

Tgt Ion: 43 Resp: 1263

Ion	Ratio	Lower	Upper
43	100		
72	17.3	21.7	32.5#





#29

Tetrahydrofuran

Concen: 0.424 ug/l

RT: 5.007 min Scan# 64

Delta R.T. 0.000 min

Lab File: VX032387.D

Acq: 26 Oct 2022 00:33

Instrument :

MSVOA_X

ClientSampleId :

72-11976

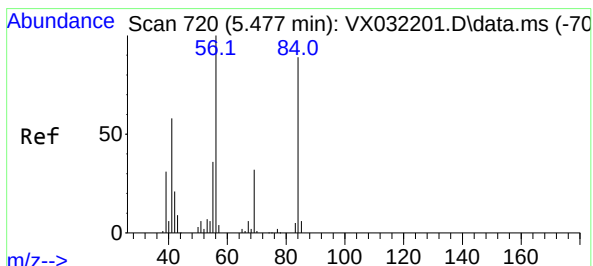
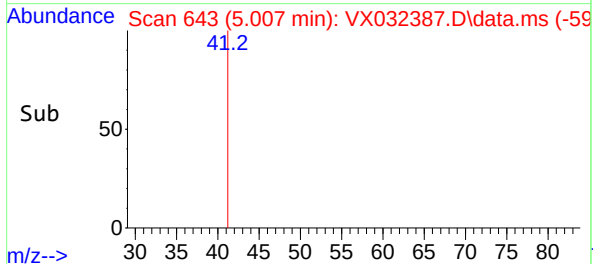
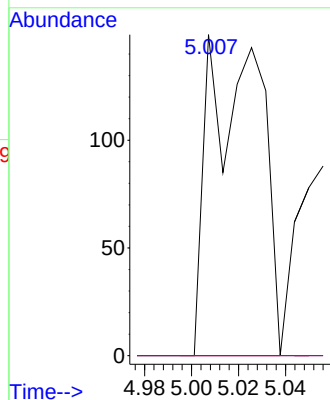
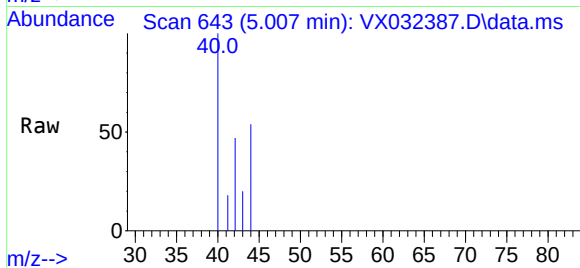
Tgt Ion: 42 Resp: 229

Ion Ratio Lower Upper

42 100

72 0.0 37.5 56.3#

71 0.0 34.7 52.1#



#31

Cyclohexane

Concen: 1.565 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX032387.D

Acq: 26 Oct 2022 00:33

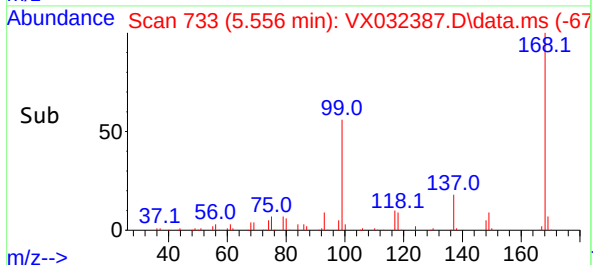
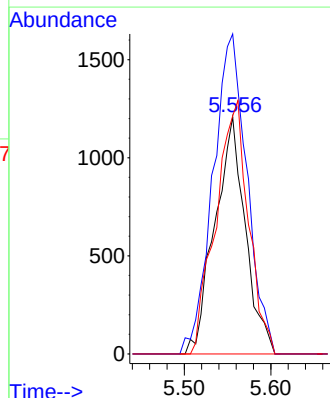
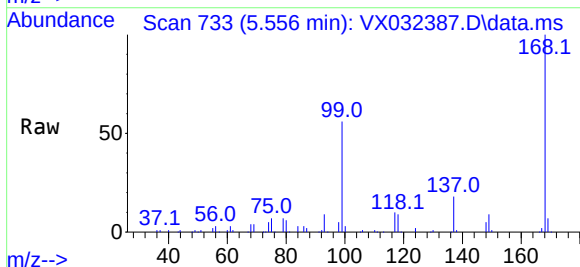
Tgt Ion: 56 Resp: 2951

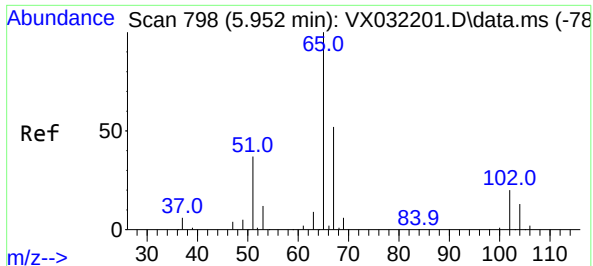
Ion Ratio Lower Upper

56 100

69 135.0 25.4 38.0#

84 100.4 71.2 106.8

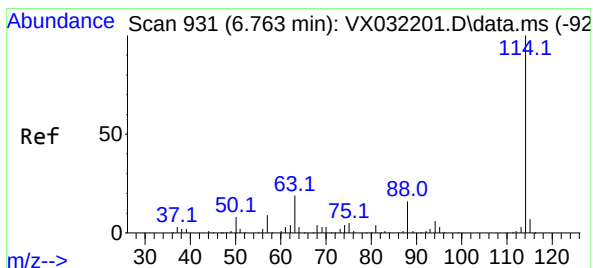
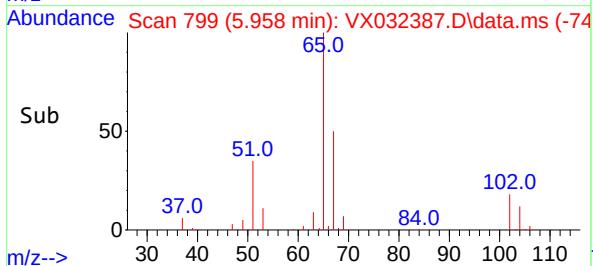
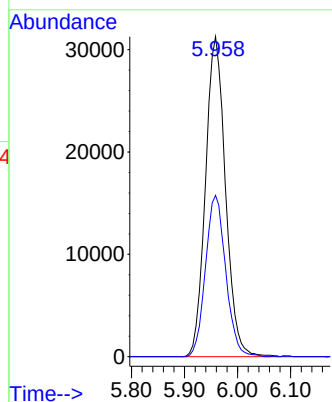
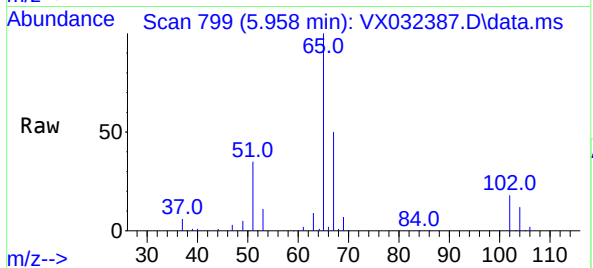




#33
1,2-Dichloroethane-d4
Concen: 49.722 ug/l
RT: 5.958 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX032387.D
Acq: 26 Oct 2022 00:33

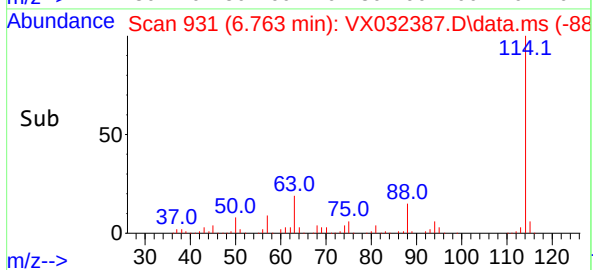
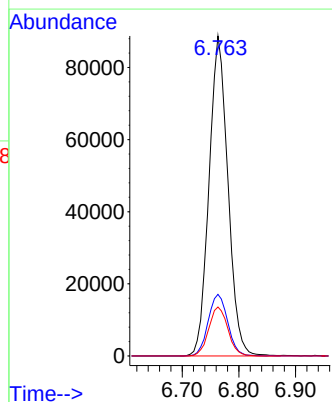
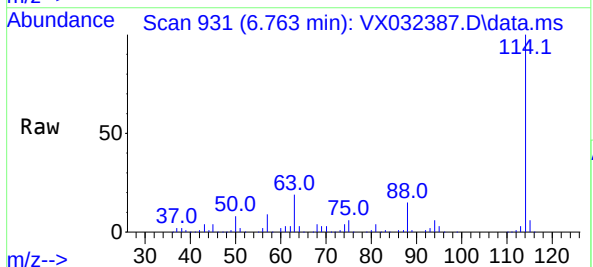
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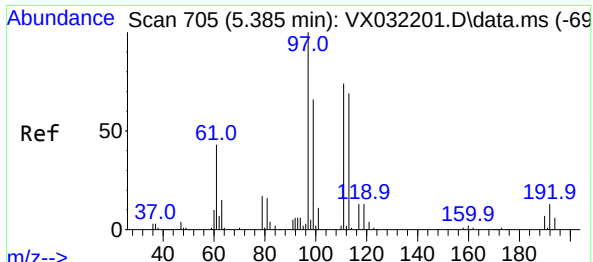
Tgt Ion: 65 Resp: 82019
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX032387.D
Acq: 26 Oct 2022 00:33

Tgt Ion: 114 Resp: 205324
Ion Ratio Lower Upper
114 100
63 19.3 0.0 38.6
88 15.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 45.090 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX032387.D

Acq: 26 Oct 2022 00:33

Instrument :

MSVOA_X

ClientSampleId :

72-11976

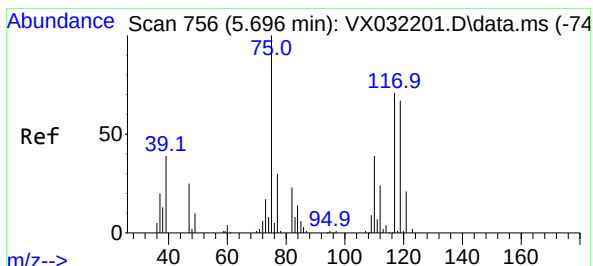
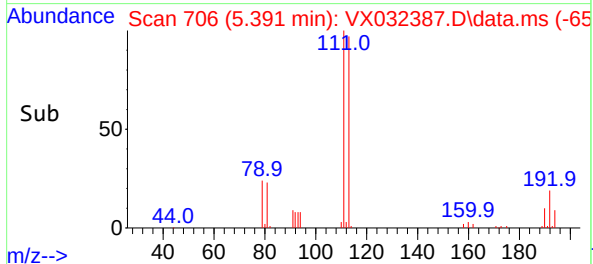
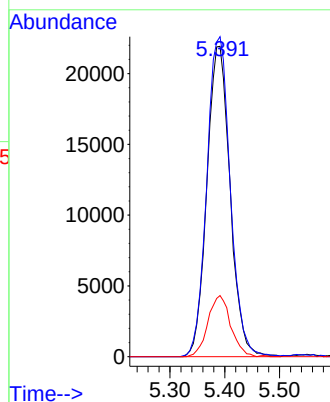
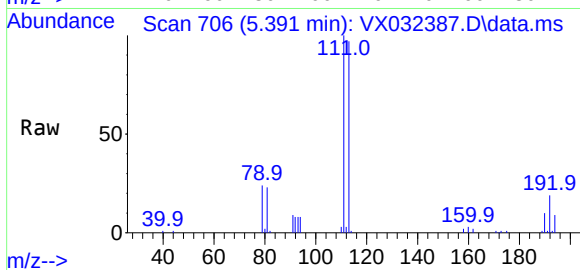
Tgt Ion:113 Resp: 64424

Ion Ratio Lower Upper

113 100

111 104.5 82.8 124.2

192 19.3 15.5 23.3



#36

1,1-Dichloropropene

Concen: 5.251 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX032387.D

Acq: 26 Oct 2022 00:33

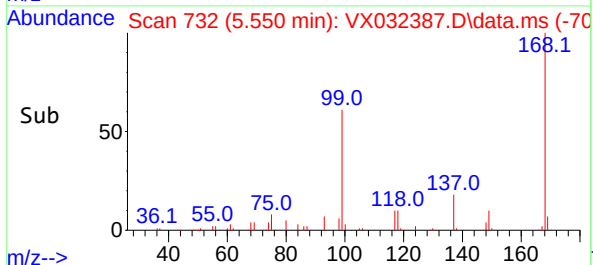
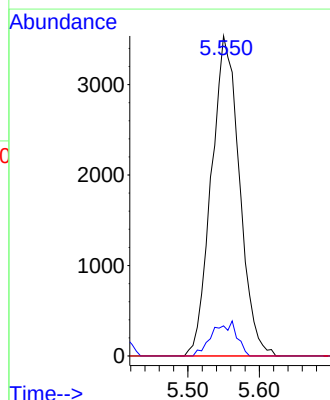
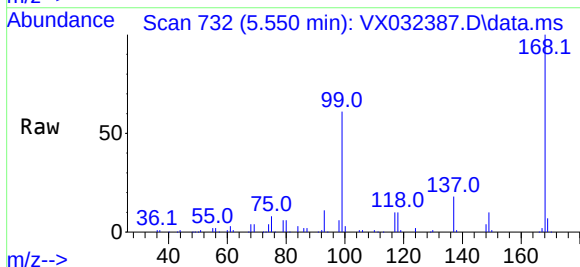
Tgt Ion: 75 Resp: 9651

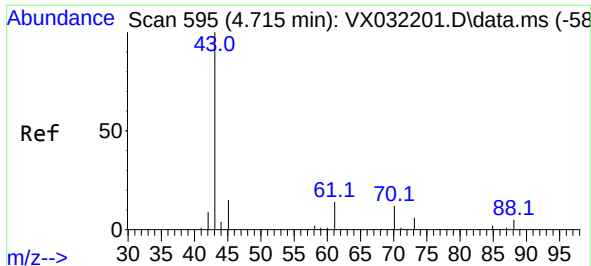
Ion Ratio Lower Upper

75 100

110 9.5 18.4 55.0#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 8.203 ug/l

RT: 4.721 min Scan# 595

Delta R.T. 0.006 min

Lab File: VX032387.D

Acq: 26 Oct 2022 00:33

Instrument :

MSVOA_X

ClientSampleId :

72-11976

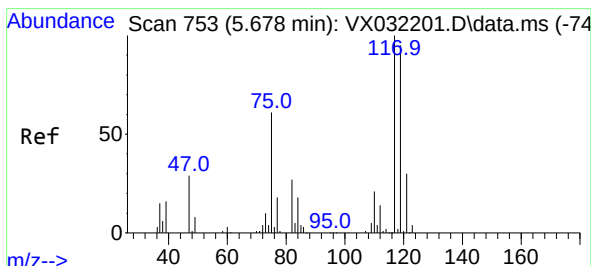
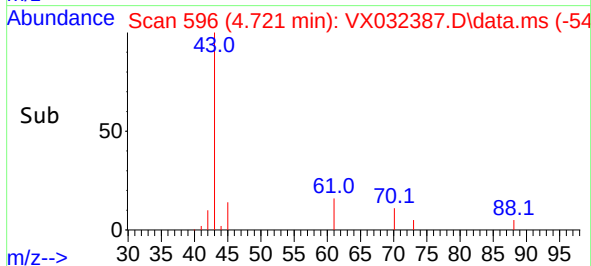
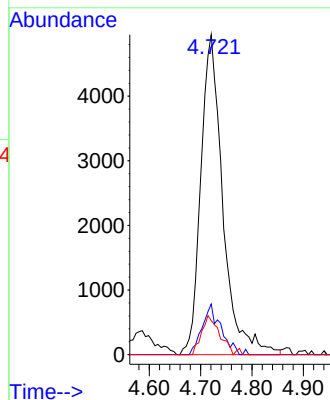
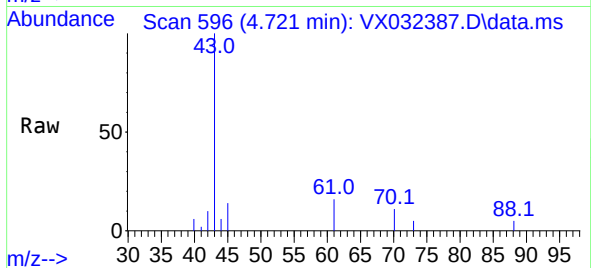
Tgt Ion: 43 Resp: 14762

Ion Ratio Lower Upper

43 100

61 13.3 11.4 17.2

70 9.8 8.8 13.2



#38

Carbon Tetrachloride

Concen: 6.737 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX032387.D

Acq: 26 Oct 2022 00:33

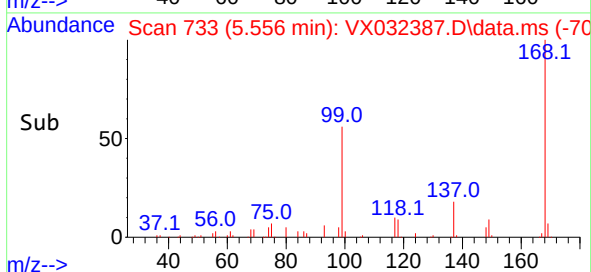
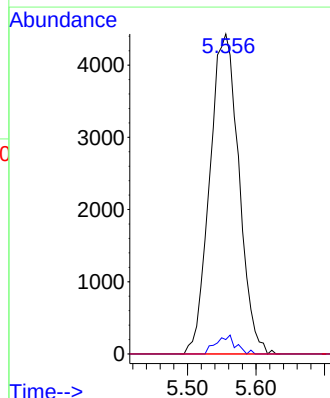
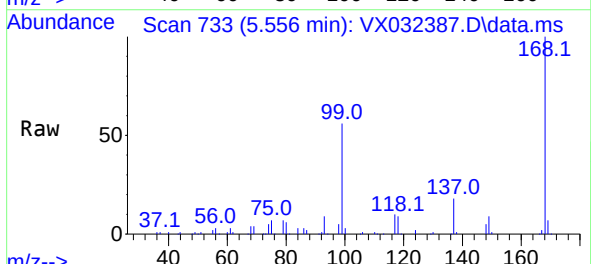
Tgt Ion: 117 Resp: 13071

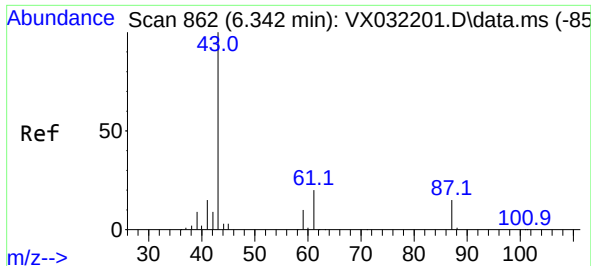
Ion Ratio Lower Upper

117 100

119 4.5 75.4 113.0#

121 0.0 23.9 35.9#

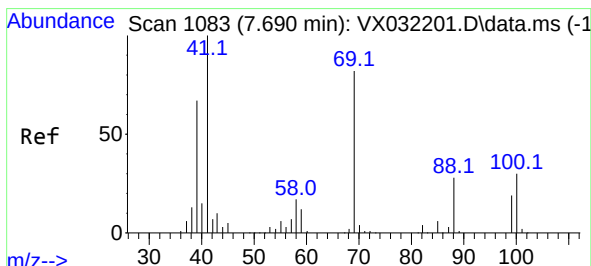
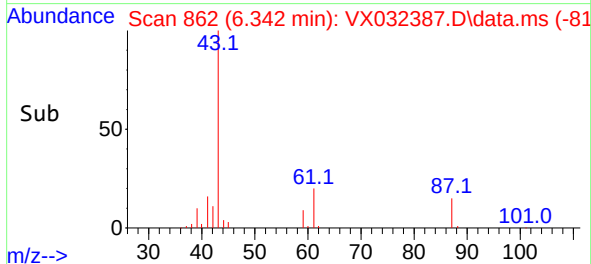
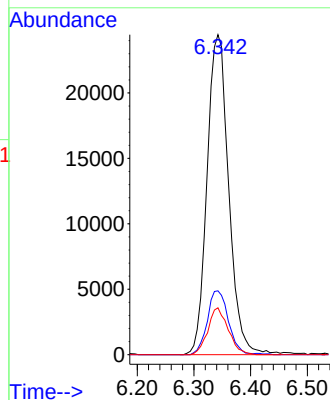
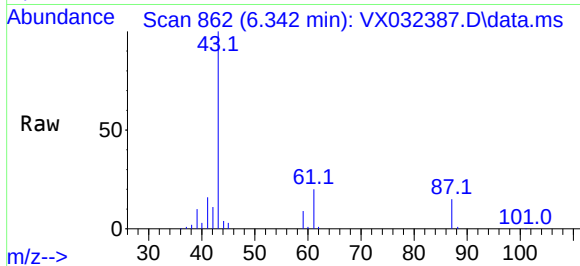




#43
Isopropyl Acetate
Concen: 22.972 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX032387.D
Acq: 26 Oct 2022 00:33

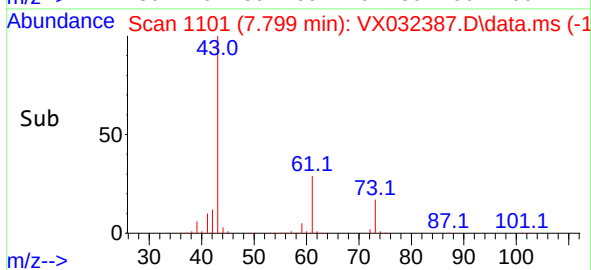
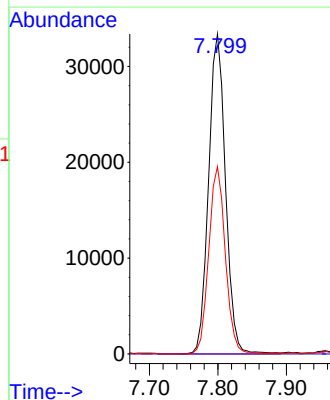
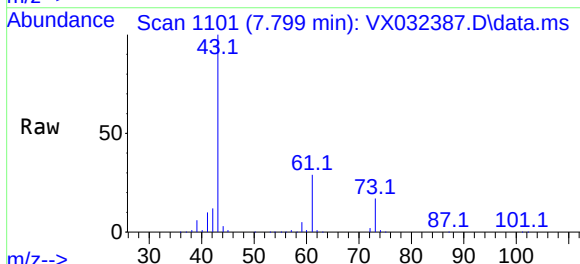
Instrument :
MSVOA_X
ClientSampleId :
72-11976

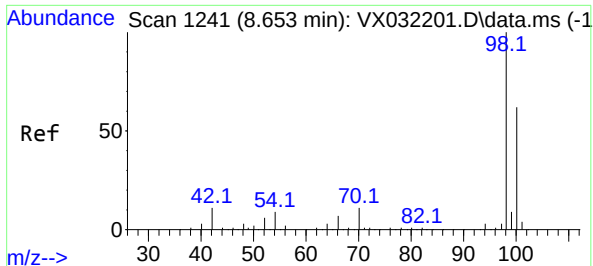
Tgt Ion: 43 Resp: 64881
Ion Ratio Lower Upper
43 100
61 19.6 15.5 23.3
87 13.8 11.0 16.6



#48
Methyl methacrylate
Concen: 40.736 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX032387.D
Acq: 26 Oct 2022 00:33

Tgt Ion: 41 Resp: 57379
Ion Ratio Lower Upper
41 100
69 0.0 67.3 100.9#
39 57.5 53.8 80.8





#50

Toluene-d8

Concen: 47.754 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX032387.D

Acq: 26 Oct 2022 00:33

Instrument :

MSVOA_X

ClientSampleId :

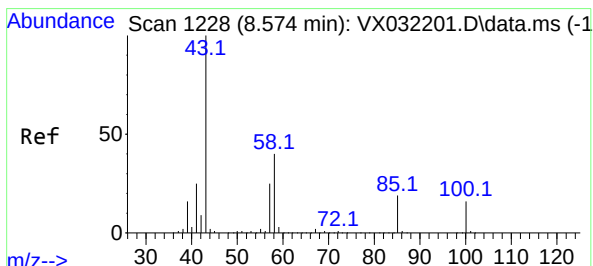
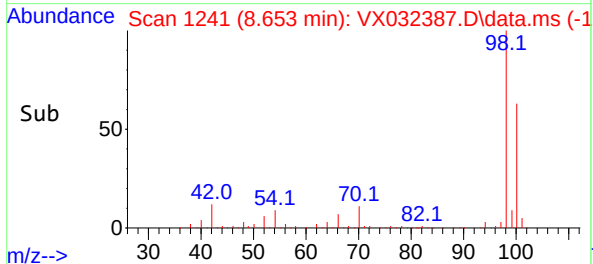
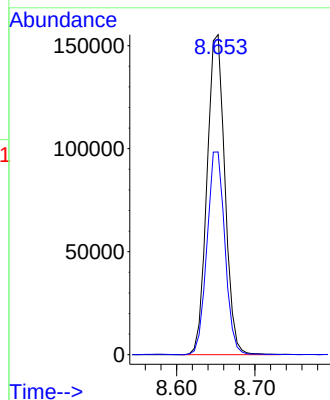
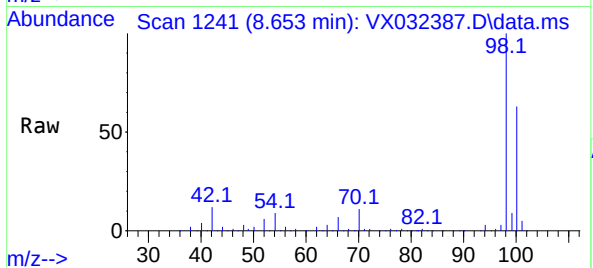
72-11976

Tgt Ion: 98 Resp: 245605

Ion Ratio Lower Upper

98 100

100 63.6 50.7 76.1



#51

4-Methyl-2-Pentanone

Concen: 31.013 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.025 min

Lab File: VX032387.D

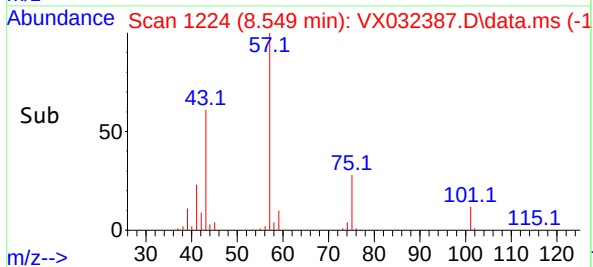
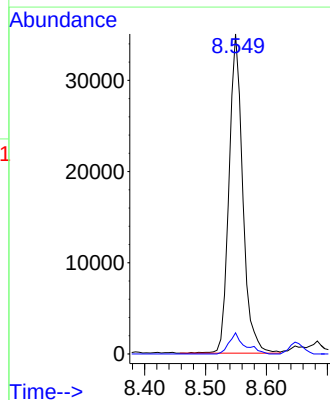
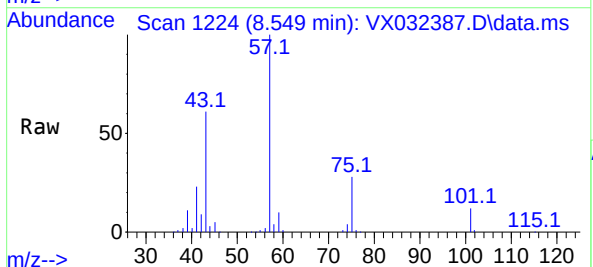
Acq: 26 Oct 2022 00:33

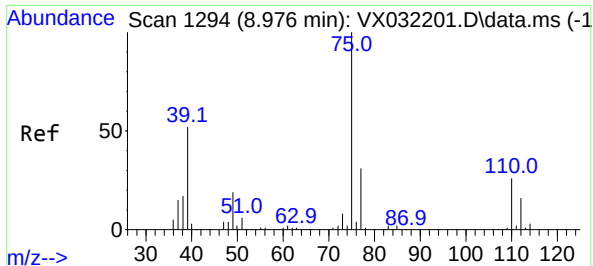
Tgt Ion: 43 Resp: 54908

Ion Ratio Lower Upper

43 100

58 7.5 31.0 46.4#





#53

t-1,3-Dichloropropene

Concen: 1.974 ug/l

RT: 8.958 min Scan# 11

Delta R.T. -0.018 min

Lab File: VX032387.D

Acq: 26 Oct 2022 00:33

Instrument :

MSVOA_X

ClientSampleId :

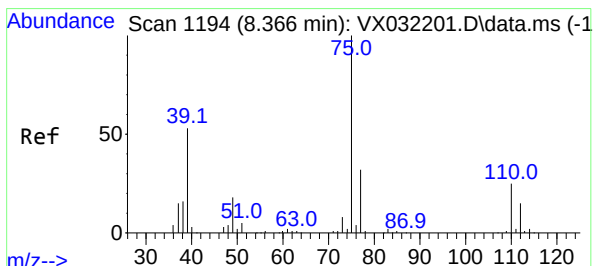
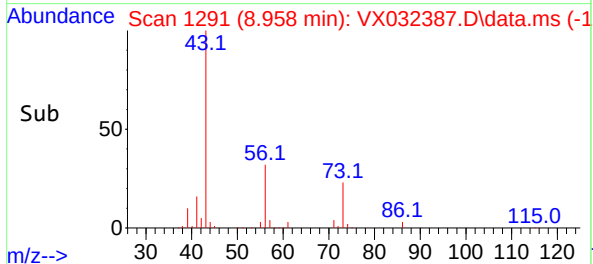
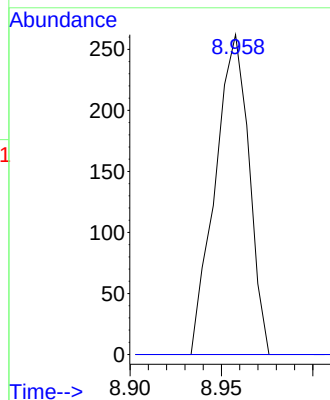
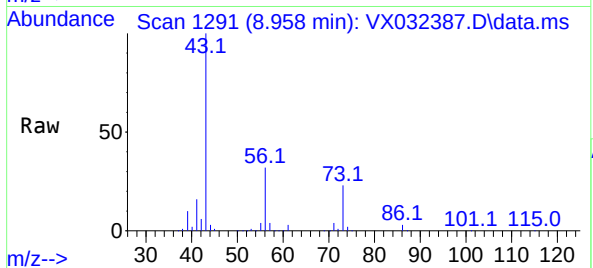
72-11976

Tgt Ion: 75 Resp: 337

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#



#54

cis-1,3-Dichloropropene

Concen: 11.654 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX032387.D

Acq: 26 Oct 2022 00:33

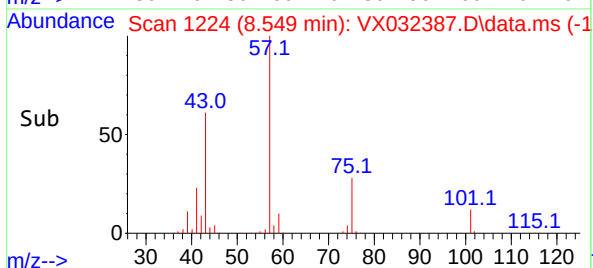
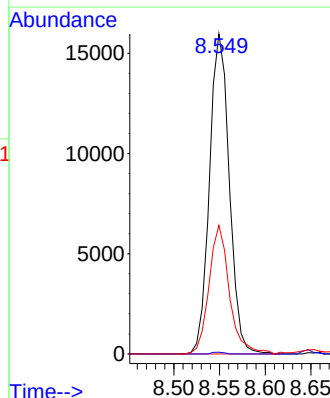
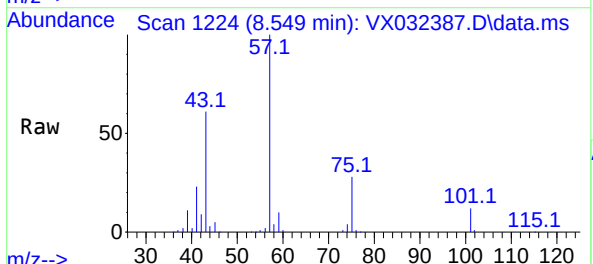
Tgt Ion: 75 Resp: 24043

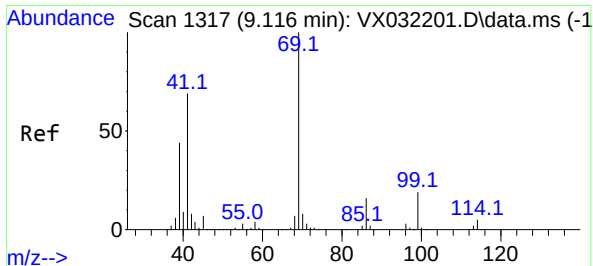
Ion Ratio Lower Upper

75 100

77 0.6 25.3 37.9#

39 40.2 42.4 63.6#





#56

Ethyl methacrylate

Concen: 0.249 ug/l

RT: 9.244 min Scan# 11

Delta R.T. 0.128 min

Lab File: VX032387.D

Acq: 26 Oct 2022 00:33

Instrument :

MSVOA_X

ClientSampleId :

72-11976

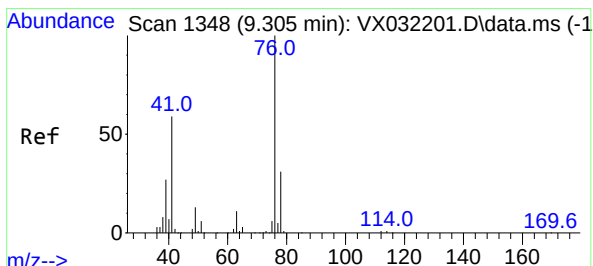
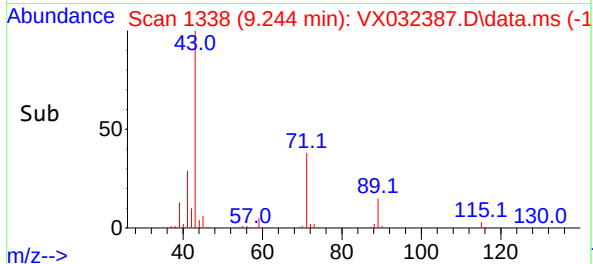
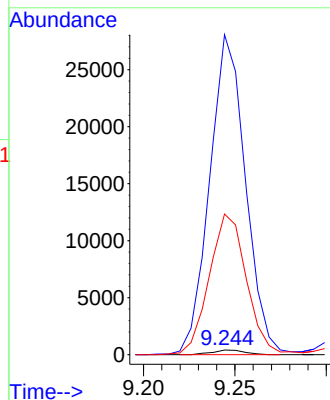
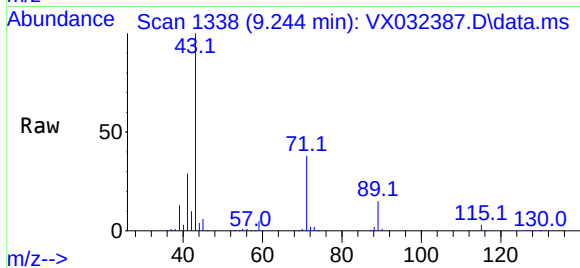
Tgt Ion: 69 Resp: 502

Ion Ratio Lower Upper

69 100

41 7651.6 54.5 81.7#

39 3497.2 35.7 53.5#



#57

1,3-Dichloropropane

Concen: 1.254 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX032387.D

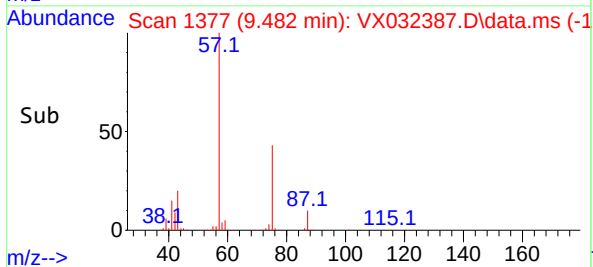
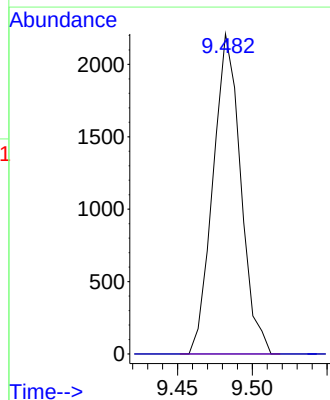
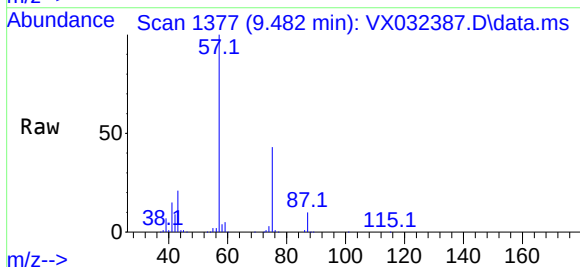
Acq: 26 Oct 2022 00:33

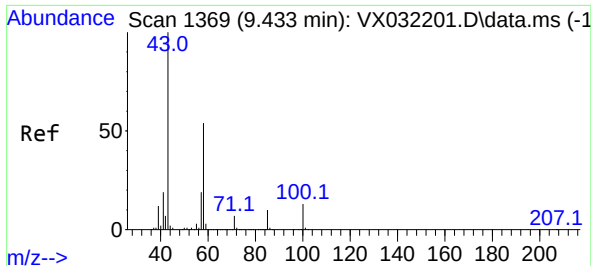
Tgt Ion: 76 Resp: 2848

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 31.301 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX032387.D

Acq: 26 Oct 2022 00:33

Instrument :

MSVOA_X

ClientSampleId :

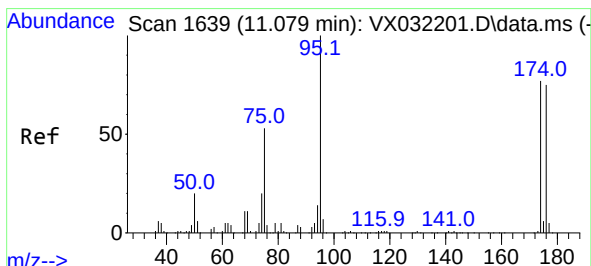
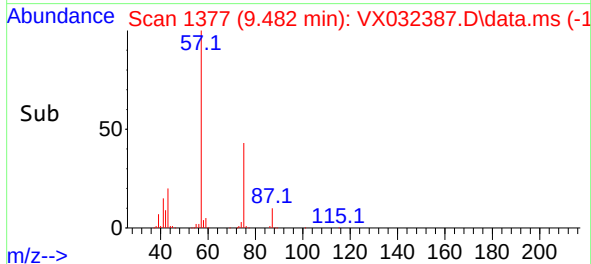
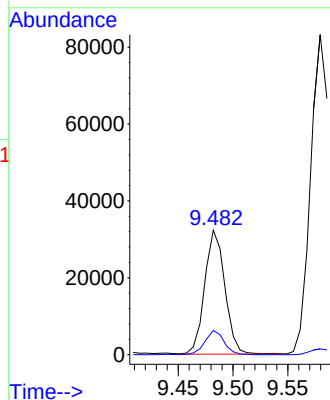
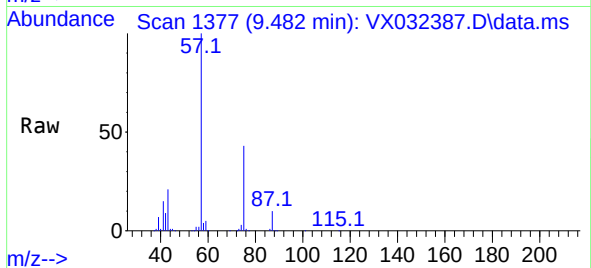
72-11976

Tgt Ion: 43 Resp: 41350

Ion Ratio Lower Upper

43 100

58 18.5 26.7 80.1#



#62

4-Bromofluorobenzene

Concen: 45.070 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX032387.D

Acq: 26 Oct 2022 00:33

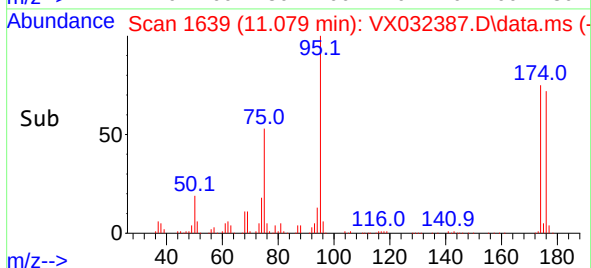
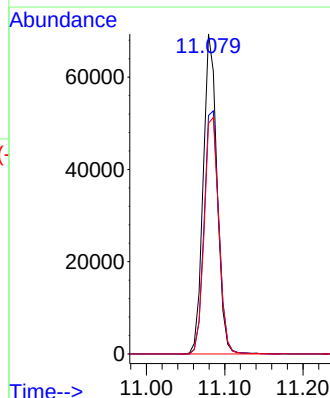
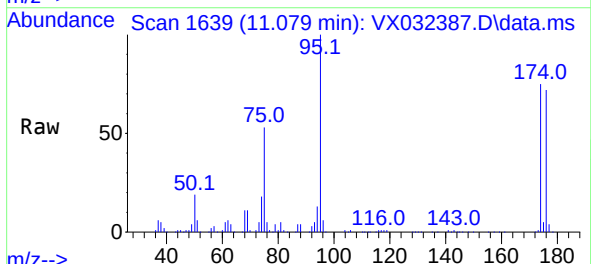
Tgt Ion: 95 Resp: 84882

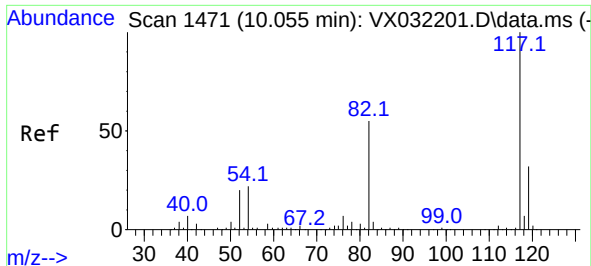
Ion Ratio Lower Upper

95 100

174 80.5 0.0 166.8

176 77.9 0.0 161.4

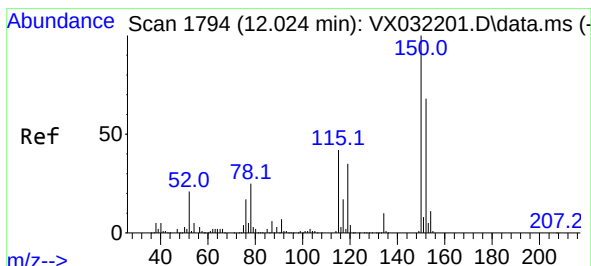
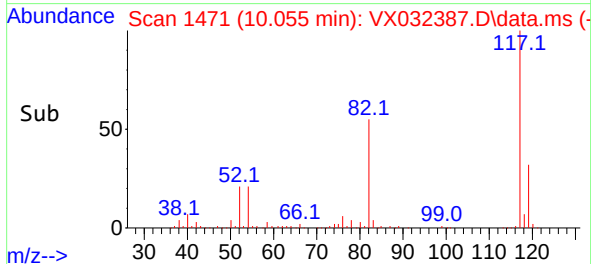
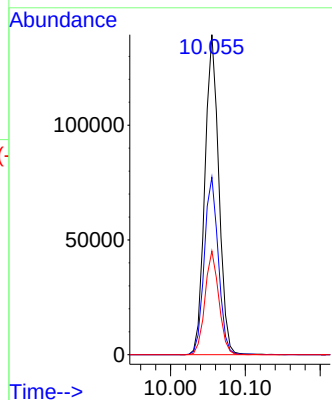
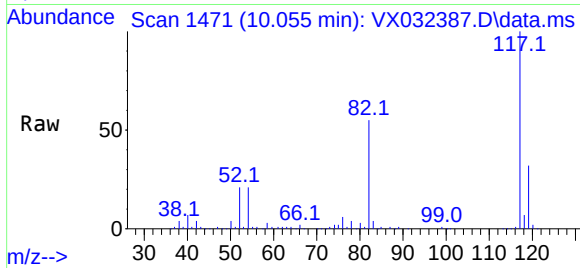




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032387.D
Acq: 26 Oct 2022 00:33

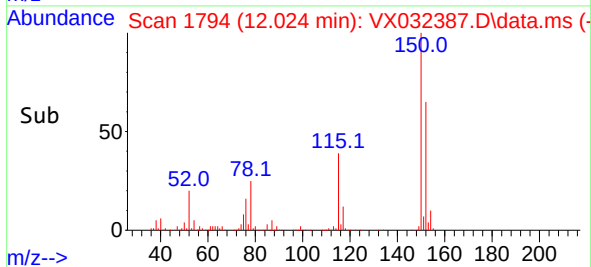
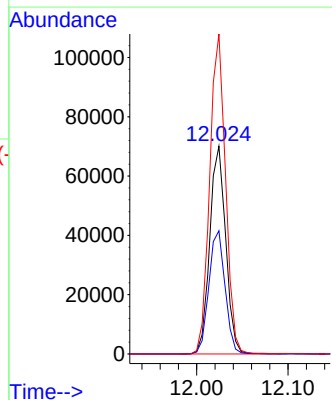
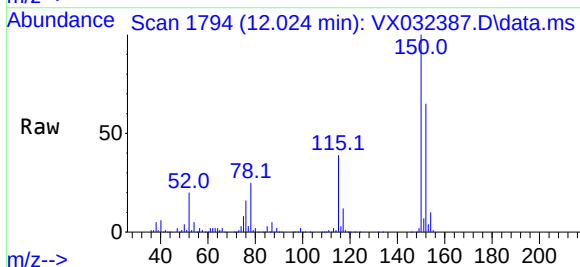
Instrument :
MSVOA_X
ClientSampleId :
72-11976

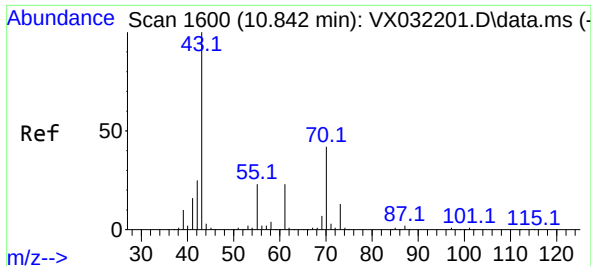
Tgt Ion:117 Resp: 180603
Ion Ratio Lower Upper
117 100
82 55.4 44.2 66.4
119 32.4 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032387.D
Acq: 26 Oct 2022 00:33

Tgt Ion:152 Resp: 84945
Ion Ratio Lower Upper
152 100
115 60.1 43.1 129.4
150 153.0 0.0 348.6

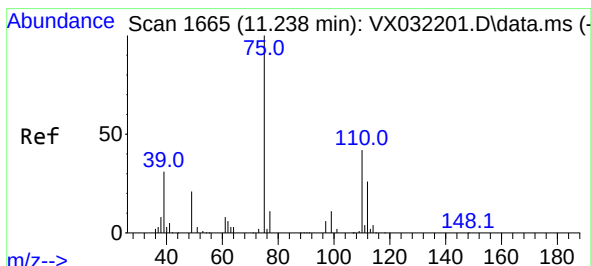
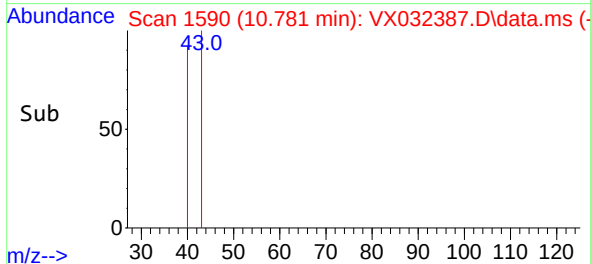
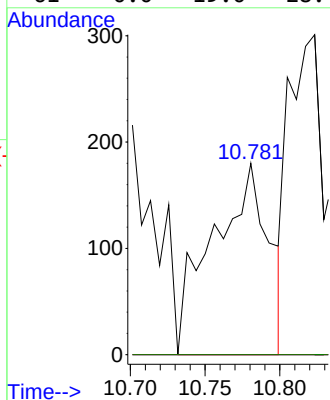
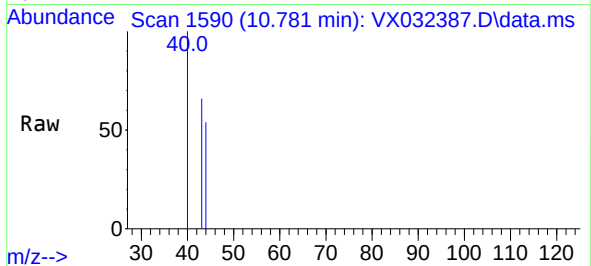




#74
N-amy1 acetate
Concen: 0.208 ug/l
RT: 10.781 min Scan# 11
Delta R.T. -0.061 min
Lab File: VX032387.D
Acq: 26 Oct 2022 00:33

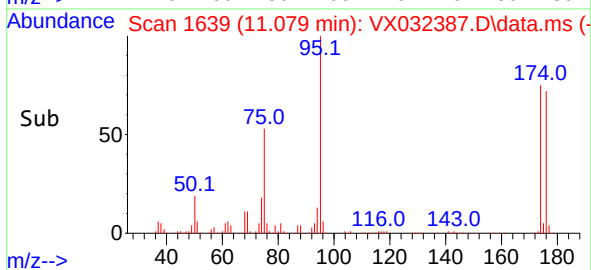
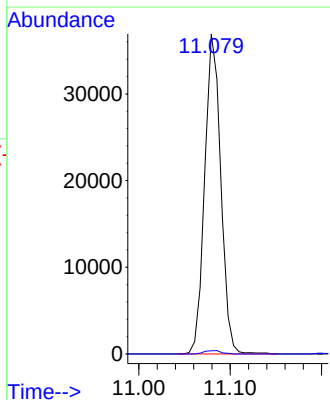
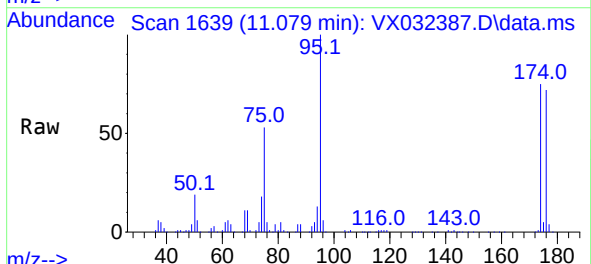
Instrument :
MSVOA_X
ClientSampleId :
72-11976

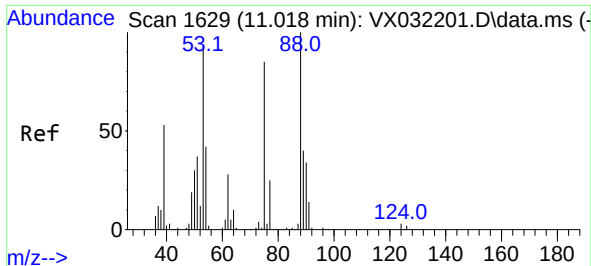
Tgt Ion: 43	Resp: 465
Ion Ratio	Lower Upper
43 100	
70 0.0	33.9 50.9#
55 0.0	19.1 28.7#
61 0.0	19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 26.750 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX032387.D
Acq: 26 Oct 2022 00:33

Tgt Ion: 75	Resp:	45023	
Ion Ratio	Lower	Upper	
75 100			
77 1.1	16.0	47.9#	





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.160 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX032387.D
 Acq: 26 Oct 2022 00:33

Instrument :
 MSVOA_X
 ClientSampleId :
 72-11976

Tgt Ion: 75 Resp: 45023
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.8 131.8#
 89 0.1 37.8 56.8#

