

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102522\
 Data File : VX032389.D
 Acq On : 26 Oct 2022 01:19
 Operator : JC/MD
 Sample : N5267-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

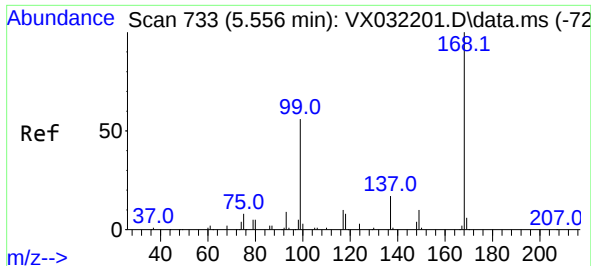
Instrument :
 MSVOA_X
 ClientSampleId :
 TP2-1024

Quant Time: Oct 27 14:21:30 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	127897	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	207089	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	183790	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	84536	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84297	50.665	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.340%
35) Dibromofluoromethane	5.385	113	66749	46.319	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.640%
50) Toluene-d8	8.653	98	246920	47.600	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.200%
62) 4-Bromofluorobenzene	11.079	95	84311	44.385	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.760%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	373	Below Cal	#	44
6) Chloroethane	1.599	64	108	2.035	ug/l #	41
11) Tert butyl alcohol	2.946	59	1329	Below Cal	#	74
13) Acrolein	2.233	56	84	0.415	ug/l #	11
16) Acetone	2.380	43	14442	26.747	ug/l	99
17) Carbon Disulfide	2.514	76	553	0.207	ug/l #	80
18) Methyl Acetate	2.703	43	1319	0.720	ug/l #	86
20) Methylene Chloride	2.794	84	6647	4.794	ug/l	97
25) 2-Butanone	4.580	43	2529	3.000	ug/l #	85
29) Tetrahydrofuran	5.025	42	158	0.290	ug/l	94
31) Cyclohexane	5.550	56	3194	1.679	ug/l #	26
36) 1,1-Dichloropropene	5.556	75	9973	5.380	ug/l #	49
37) Ethyl Acetate	4.721	43	14464	7.969	ug/l	99
38) Carbon Tetrachloride	5.550	117	13417	6.856	ug/l #	18
43) Isopropyl Acetate	6.342	43	66725	23.423	ug/l	100
48) Methyl methacrylate	7.799	41	60534	42.609	ug/l #	43
51) 4-Methyl-2-Pentanone	8.549	43	56329	31.545	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	465	2.032	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	24396	11.725	ug/l #	67
56) Ethyl methacrylate	9.250	69	496	0.244	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3126	1.365	ug/l #	42
59) 2-Hexanone	9.482	43	43594	32.718	ug/l #	50
68) m/p-Xylenes	10.305	106	530	0.201	ug/l	93
74) N-amyl acetate	10.640	43	14265	6.401	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	46474	27.745	ug/l #	45
81) trans-1,4-Dichloro-2-b...	11.079	75	46474	85.115	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.756	105	2693	0.532	ug/l	93
95) Naphthalene	13.780	128	9857	1.692	ug/l	96

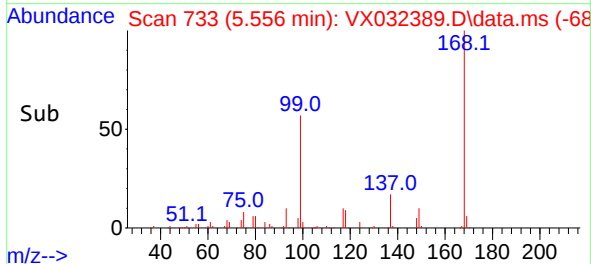
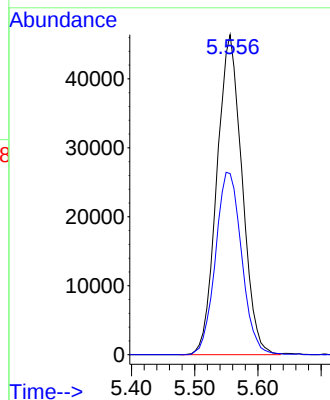
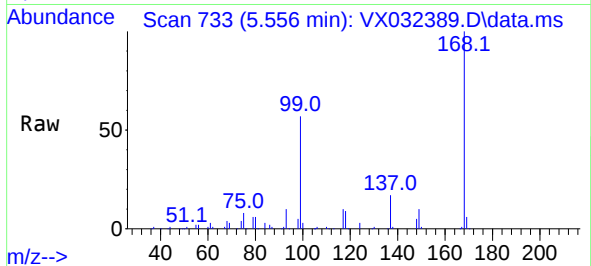
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032389.D
Acq: 26 Oct 2022 01:19

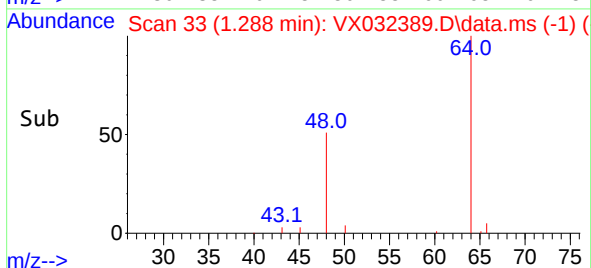
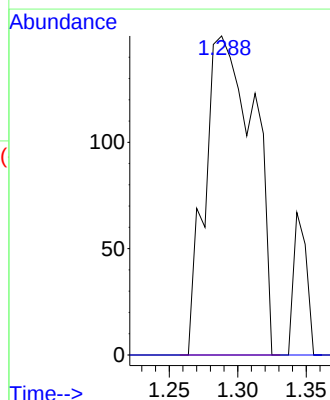
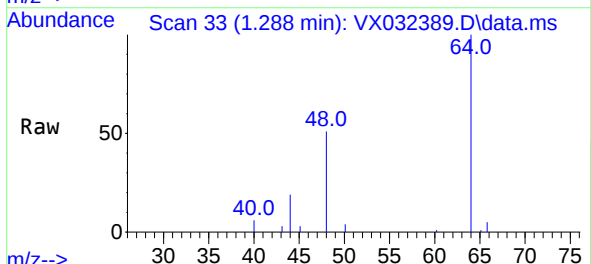
Instrument :
MSVOA_X
ClientSampleId :
TP2-1024

Tgt Ion:168 Resp: 127897
Ion Ratio Lower Upper
168 100
99 56.6 44.8 67.2

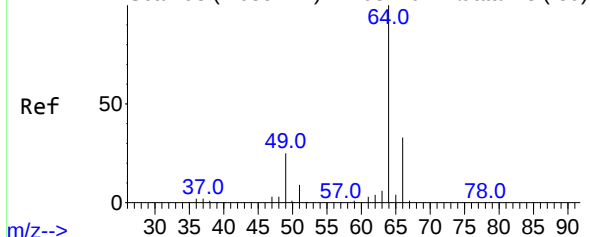


#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.007 min
Lab File: VX032389.D
Acq: 26 Oct 2022 01:19

Tgt Ion: 50 Resp: 373
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: 2.035 ug/l

RT: 1.599 min Scan# 84

Delta R.T. -0.086 min

Lab File: VX032389.D

Acq: 26 Oct 2022 01:19

Instrument :

MSVOA_X

ClientSampleId :

TP2-1024

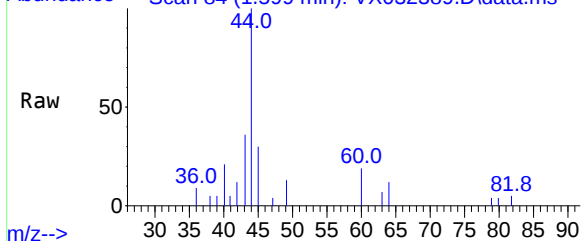
Tgt Ion: 64 Resp: 108

Ion Ratio Lower Upper

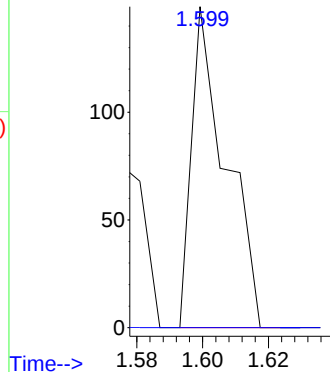
64 100

66 0.0 26.6 39.8#

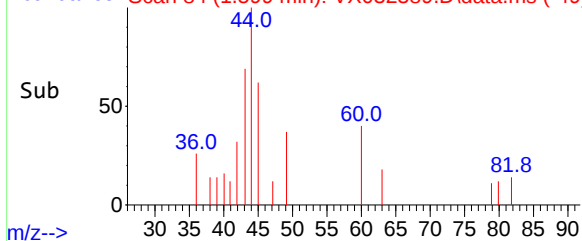
Abundance Scan 84 (1.599 min): VX032389.D\data.ms



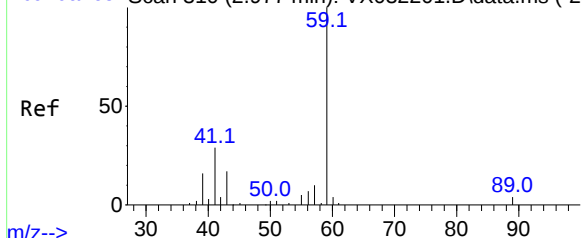
Abundance



Abundance Scan 84 (1.599 min): VX032389.D\data.ms (-49)



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



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.946 min Scan# 305

Delta R.T. -0.030 min

Lab File: VX032389.D

Acq: 26 Oct 2022 01:19

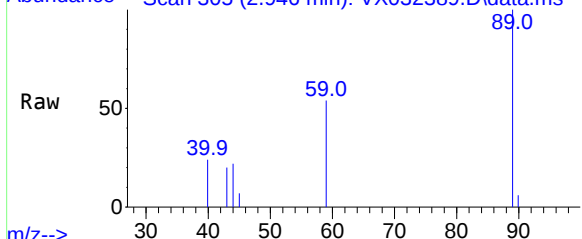
Tgt Ion: 59 Resp: 1329

Ion Ratio Lower Upper

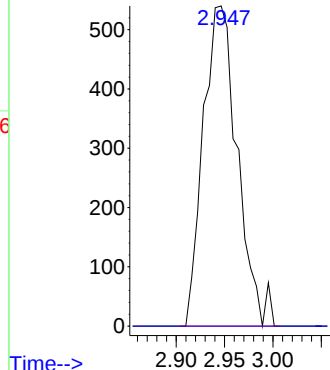
59 100

57 0.0 7.5 11.3#

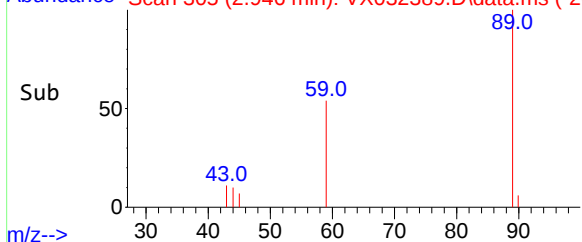
Abundance Scan 305 (2.946 min): VX032389.D\data.ms

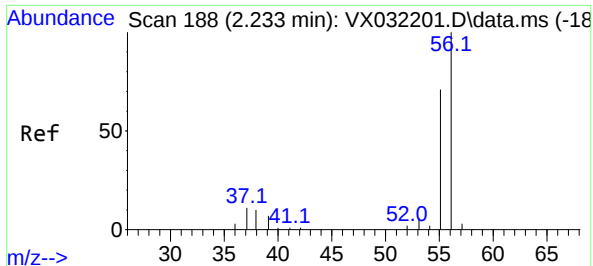


Abundance



Abundance Scan 305 (2.946 min): VX032389.D\data.ms (-26)

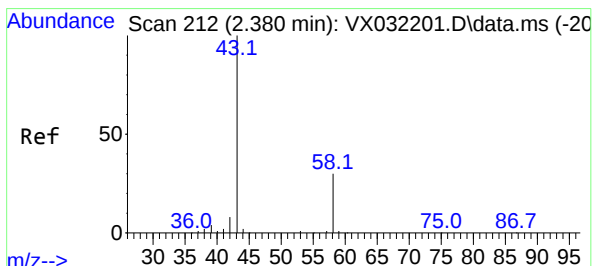
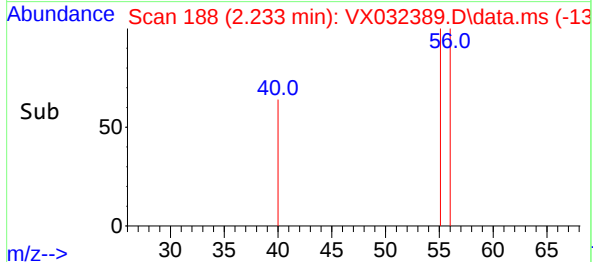
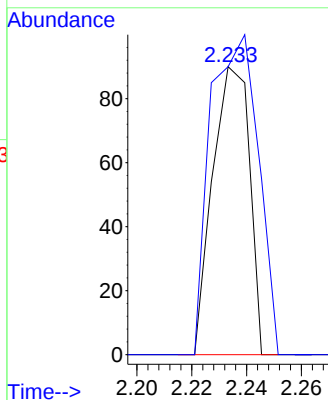
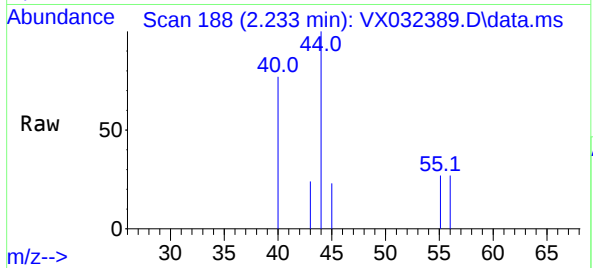




#13
Acrolein
Concen: 0.415 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032389.D
Acq: 26 Oct 2022 01:19

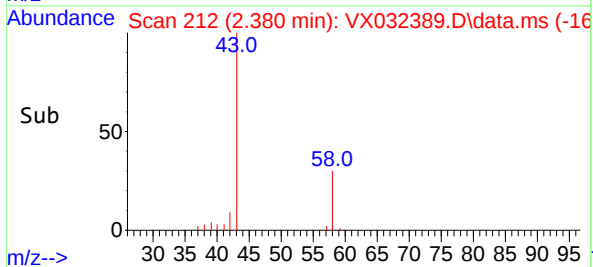
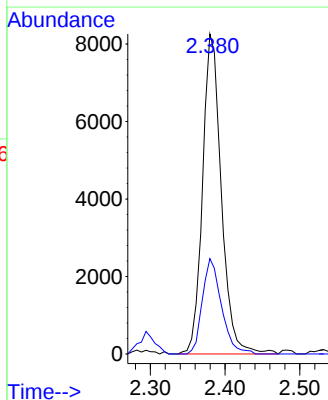
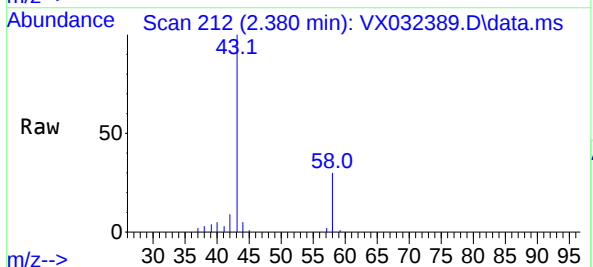
Instrument :
MSVOA_X
ClientSampleId :
TP2-1024

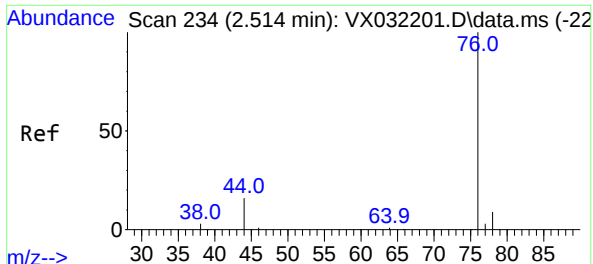
Tgt Ion: 56 Resp: 84
Ion Ratio Lower Upper
56 100
55 144.0 56.4 84.6#



#16
Acetone
Concen: 26.747 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX032389.D
Acq: 26 Oct 2022 01:19

Tgt Ion: 43 Resp: 14442
Ion Ratio Lower Upper
43 100
58 29.8 24.2 36.2

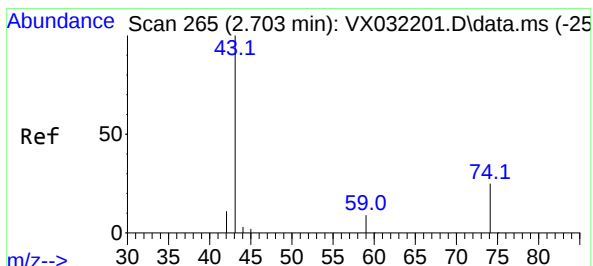
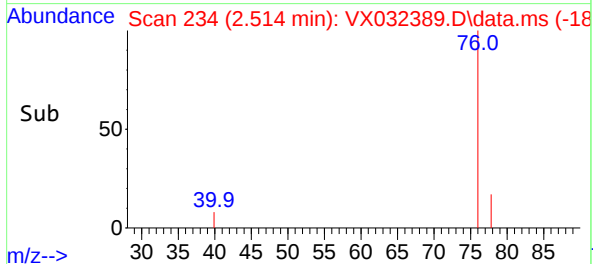
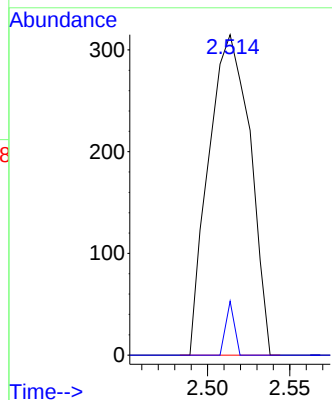
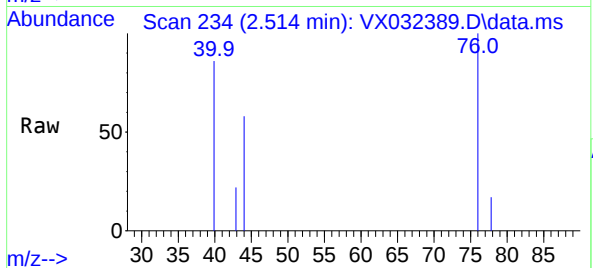




#17
Carbon Disulfide
Concen: 0.207 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX032389.D
Acq: 26 Oct 2022 01:19

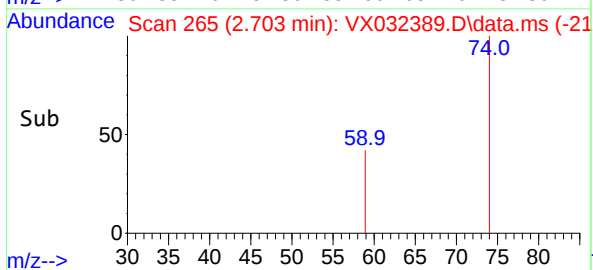
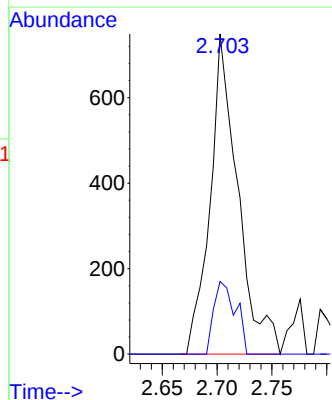
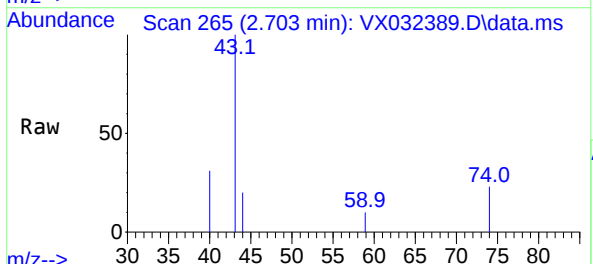
Instrument :
MSVOA_X
ClientSampleId :
TP2-1024

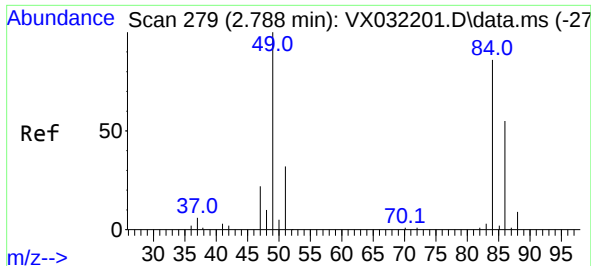
Tgt Ion: 76 Resp: 553
Ion Ratio Lower Upper
76 100
78 16.8 7.6 11.4#



#18
Methyl Acetate
Concen: 0.720 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX032389.D
Acq: 26 Oct 2022 01:19

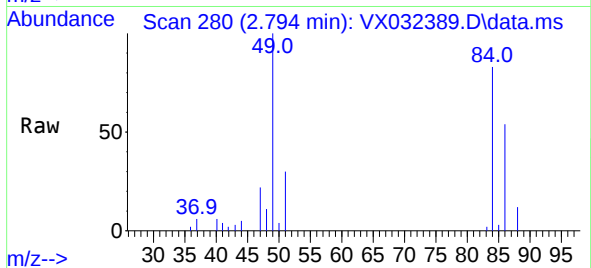
Tgt Ion: 43 Resp: 1319
Ion Ratio Lower Upper
43 100
74 17.7 19.8 29.8#





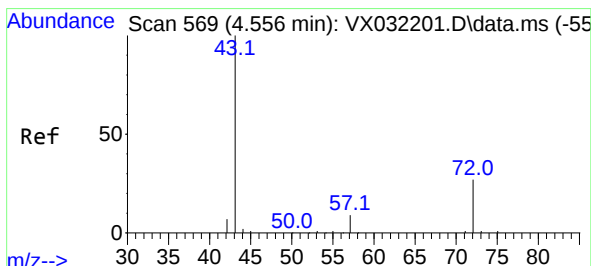
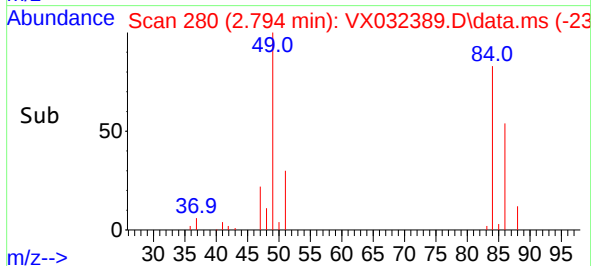
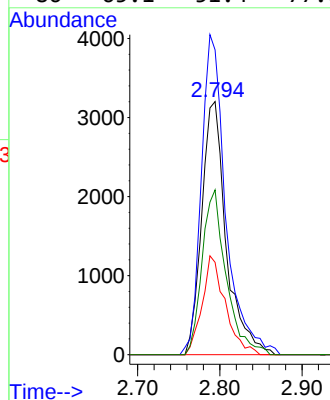
#20
Methylene Chloride
Concen: 4.794 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX032389.D
Acq: 26 Oct 2022 01:19

Instrument :
MSVOA_X
ClientSampleId :
TP2-1024



Tgt Ion: 84 Resp: 6647

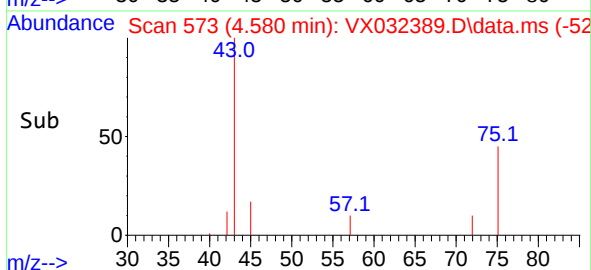
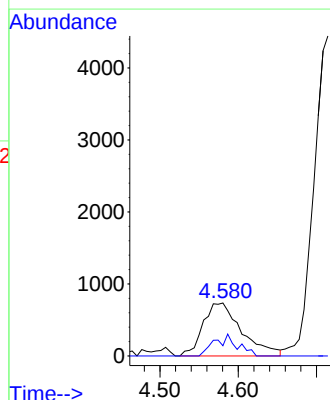
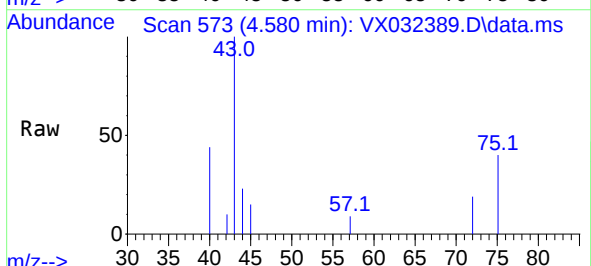
Ion	Ratio	Lower	Upper
84	100		
49	120.4	92.6	139.0
51	36.5	29.2	43.8
86	65.1	51.4	77.0

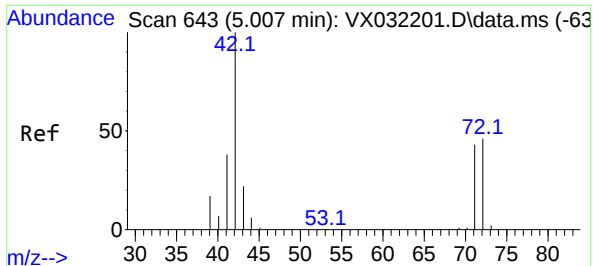


#25
2-Butanone
Concen: 3.000 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.024 min
Lab File: VX032389.D
Acq: 26 Oct 2022 01:19

Tgt Ion: 43 Resp: 2529

Ion	Ratio	Lower	Upper
43	100		
72	19.3	21.7	32.5#

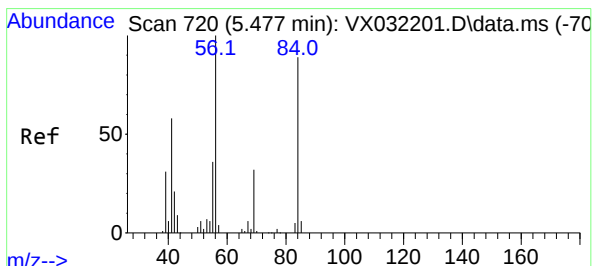
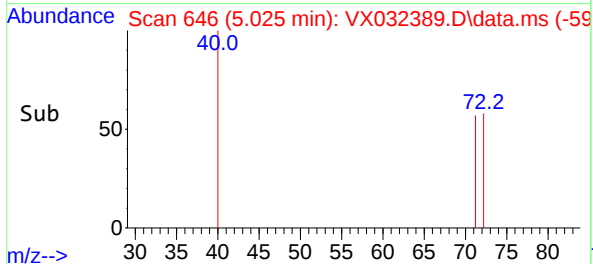
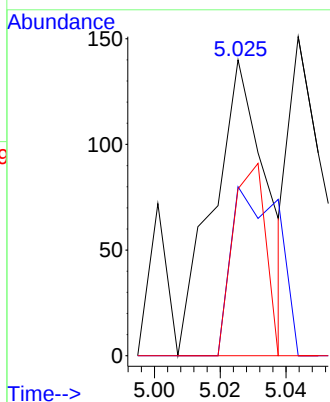
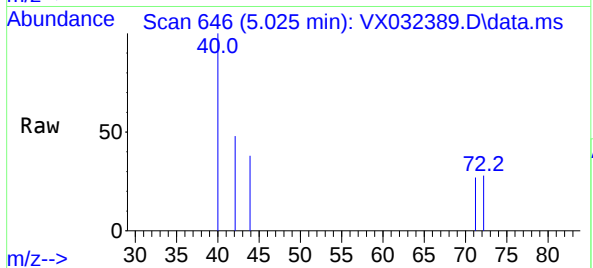




#29
Tetrahydrofuran
Concen: 0.290 ug/l
RT: 5.025 min Scan# 643
Delta R.T. 0.018 min
Lab File: VX032389.D
Acq: 26 Oct 2022 01:19

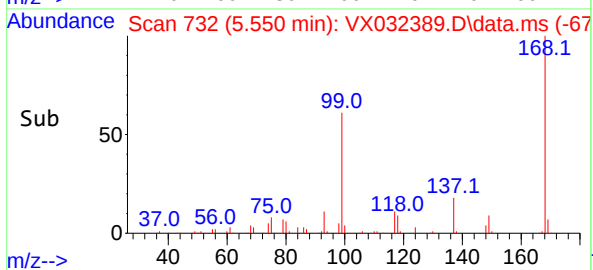
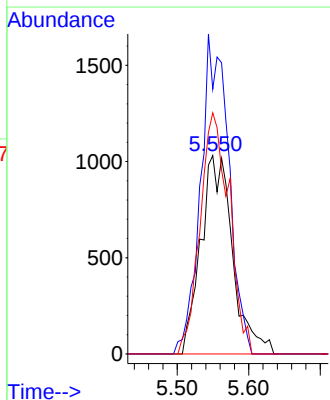
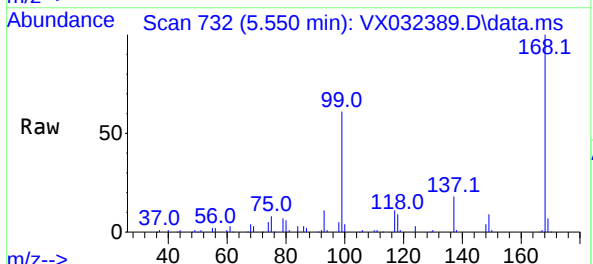
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MSVOA_X
ClientSampleId :
TP2-1024

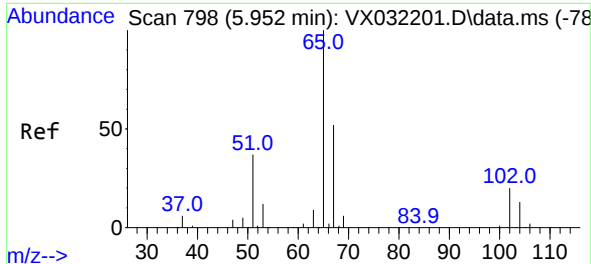
Tgt Ion:	42	Resp:	158
Ion	Ratio	Lower	Upper
42	100		
72	50.6	37.5	56.3
71	39.2	34.7	52.1



#31
Cyclohexane
Concen: 1.679 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.073 min
Lab File: VX032389.D
Acq: 26 Oct 2022 01:19

Tgt Ion:	56	Resp:	3194
Ion	Ratio	Lower	Upper
56	100		
69	133.5	25.4	38.0#
84	121.5	71.2	106.8#

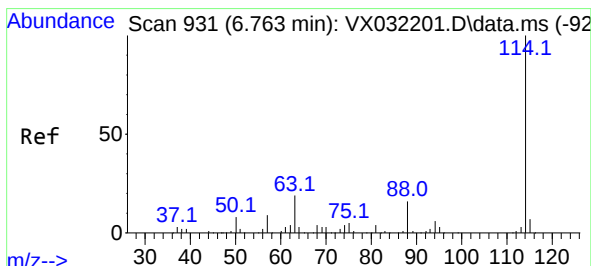
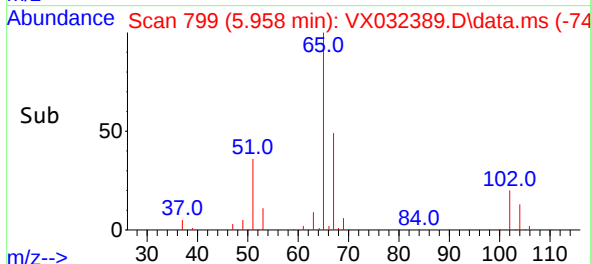
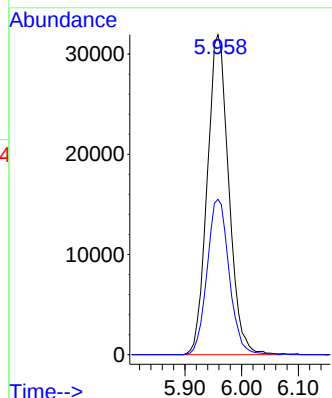
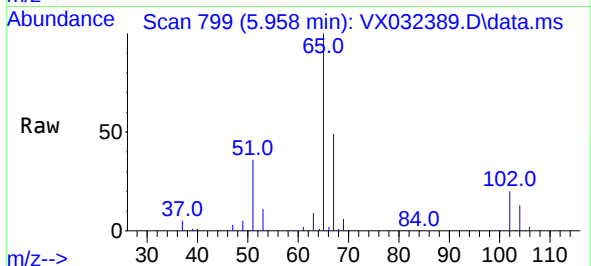




#33
1,2-Dichloroethane-d4
Concen: 50.665 ug/l
RT: 5.958 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX032389.D
Acq: 26 Oct 2022 01:19

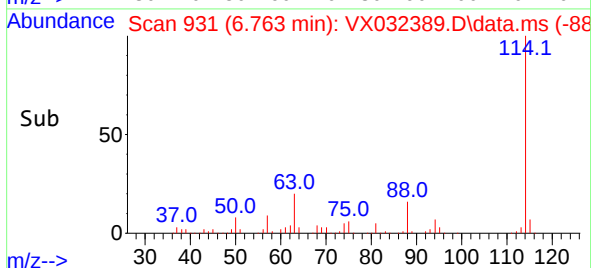
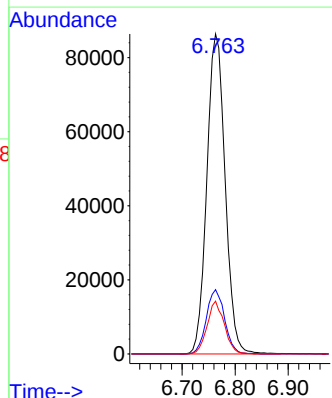
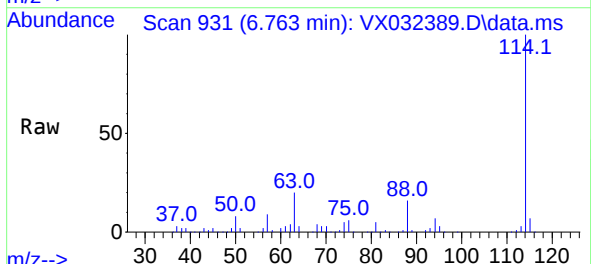
Instrument :
MSVOA_X
ClientSampleId :
TP2-1024

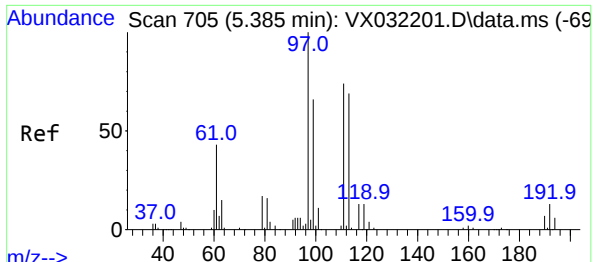
Tgt Ion: 65 Resp: 84297
Ion Ratio Lower Upper
65 100
67 49.7 0.0 103.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX032389.D
Acq: 26 Oct 2022 01:19

Tgt Ion: 114 Resp: 207089
Ion Ratio Lower Upper
114 100
63 20.1 0.0 38.6
88 16.5 0.0 32.6

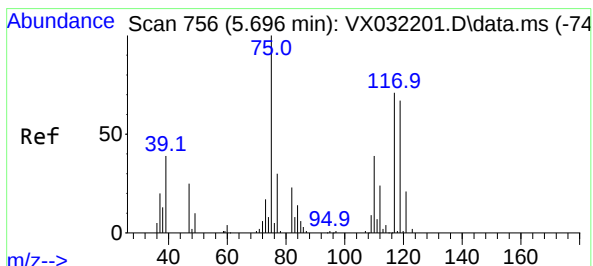
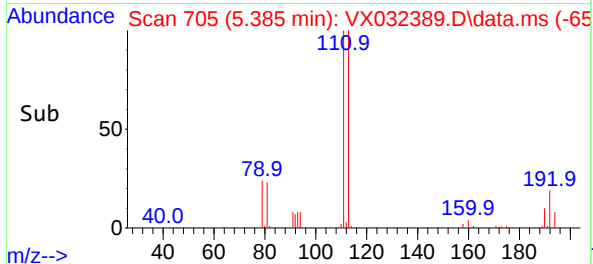
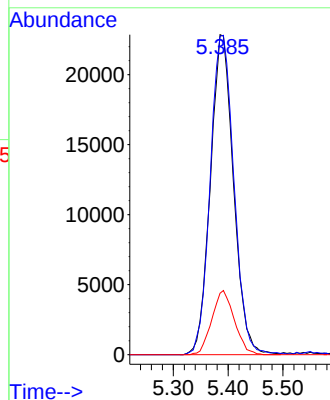
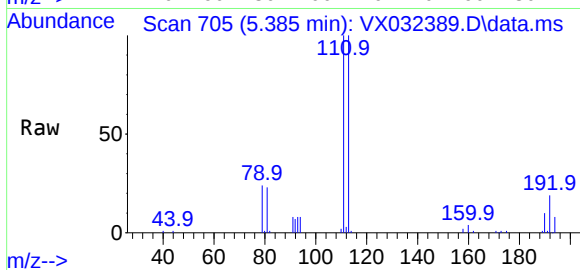




#35
Dibromofluoromethane
Concen: 46.319 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032389.D
Acq: 26 Oct 2022 01:19

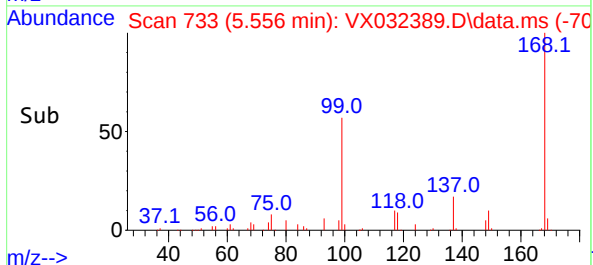
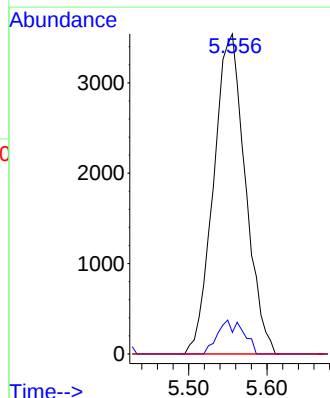
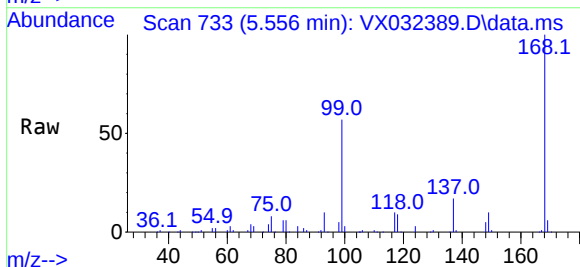
Instrument :
MSVOA_X
ClientSampleId :
TP2-1024

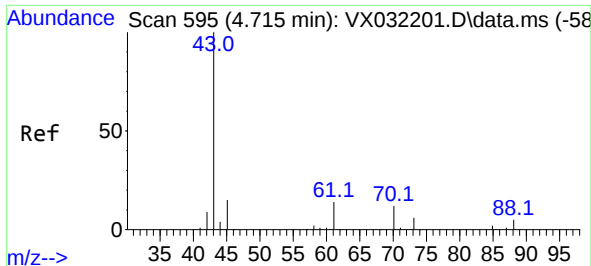
Tgt Ion:113 Resp: 66749
Ion Ratio Lower Upper
113 100
111 102.5 82.8 124.2
192 19.5 15.5 23.3



#36
1,1-Dichloropropene
Concen: 5.380 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX032389.D
Acq: 26 Oct 2022 01:19

Tgt Ion: 75 Resp: 9973
Ion Ratio Lower Upper
75 100
110 8.6 18.4 55.0#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 7.969 ug/l

RT: 4.721 min Scan# 595

Delta R.T. 0.006 min

Lab File: VX032389.D

Acq: 26 Oct 2022 01:19

Instrument :

MSVOA_X

ClientSampleId :

TP2-1024

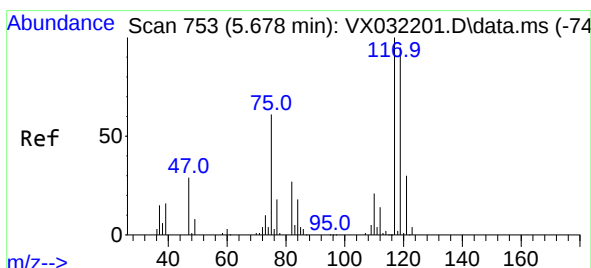
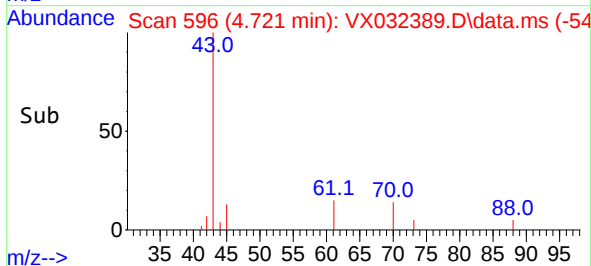
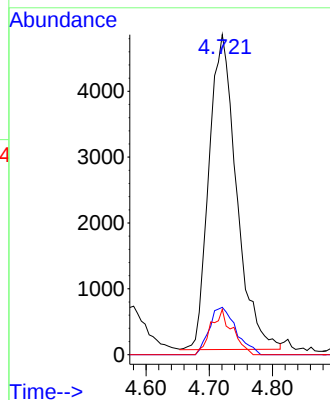
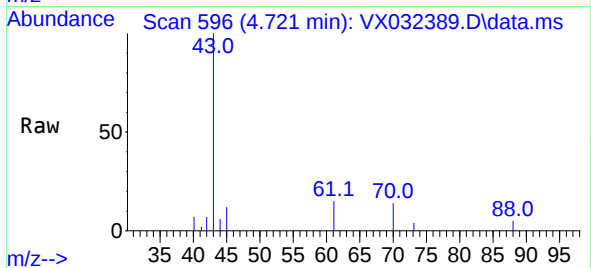
Tgt Ion: 43 Resp: 14464

Ion Ratio Lower Upper

43 100

61 14.6 11.4 17.2

70 11.2 8.8 13.2



#38

Carbon Tetrachloride

Concen: 6.856 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX032389.D

Acq: 26 Oct 2022 01:19

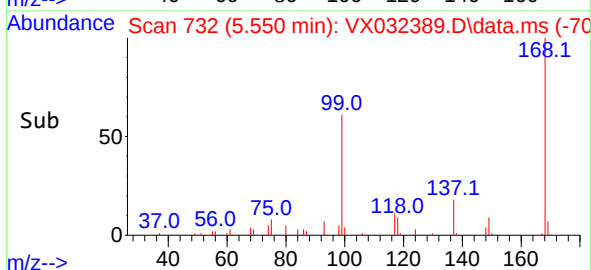
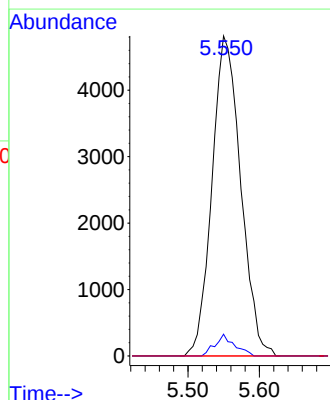
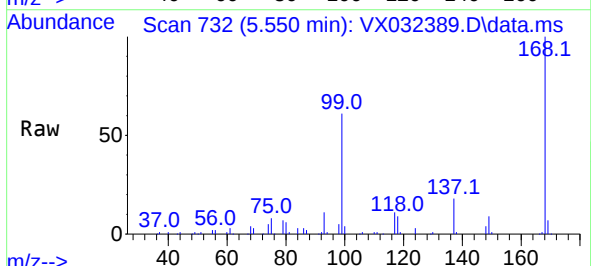
Tgt Ion: 117 Resp: 13417

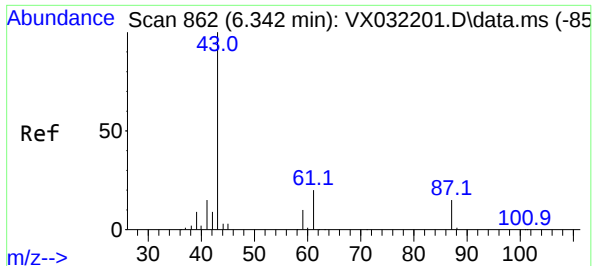
Ion Ratio Lower Upper

117 100

119 6.8 75.4 113.0#

121 0.0 23.9 35.9#

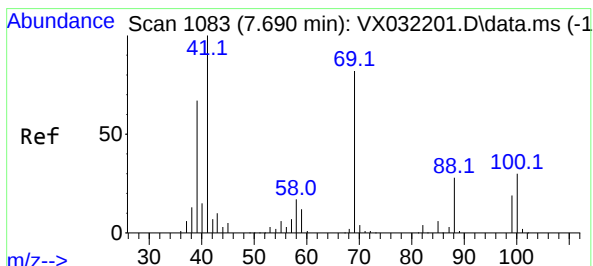
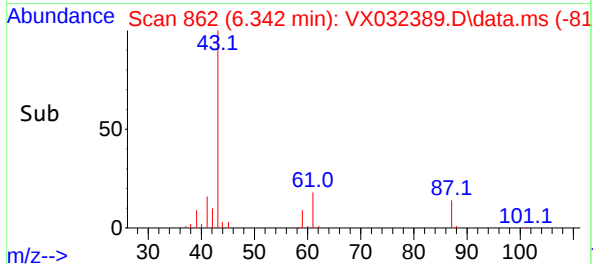
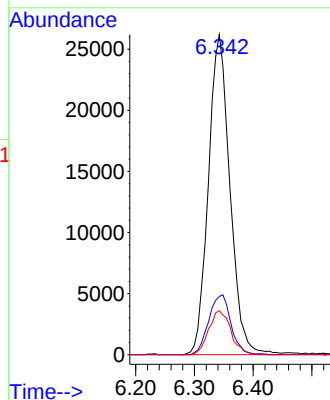
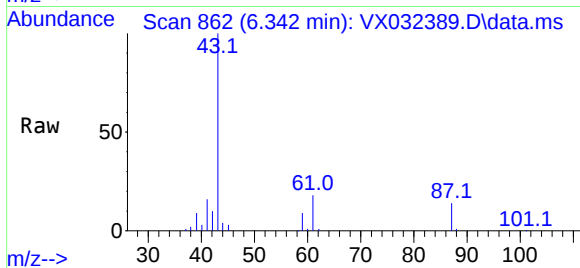




#43
Isopropyl Acetate
Concen: 23.423 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX032389.D
Acq: 26 Oct 2022 01:19

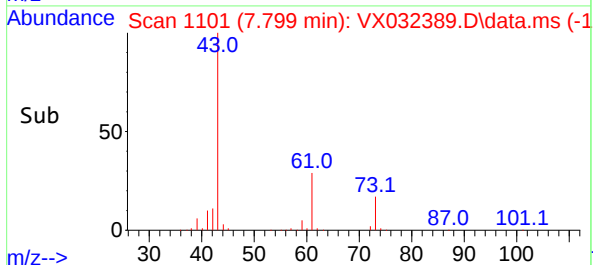
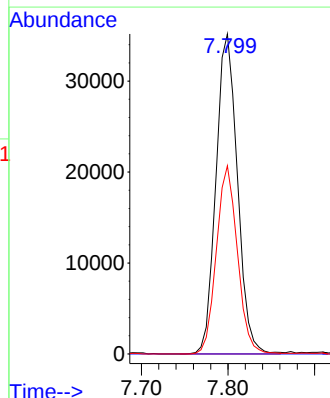
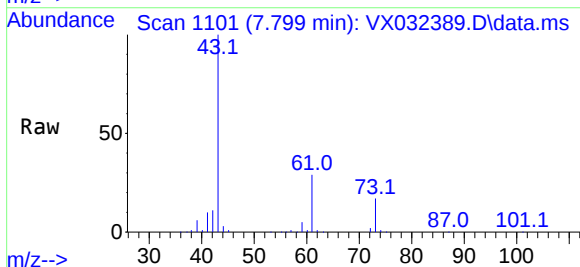
Instrument :
MSVOA_X
ClientSampleId :
TP2-1024

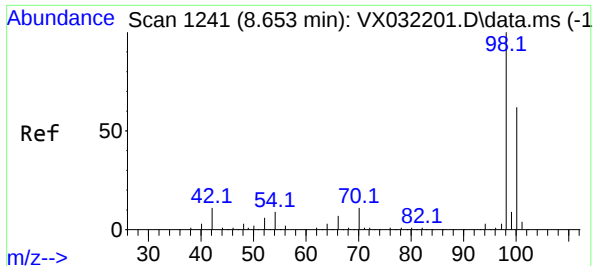
Tgt Ion: 43 Resp: 66725
Ion Ratio Lower Upper
43 100
61 19.2 15.5 23.3
87 14.1 11.0 16.6



#48
Methyl methacrylate
Concen: 42.609 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX032389.D
Acq: 26 Oct 2022 01:19

Tgt Ion: 41 Resp: 60534
Ion Ratio Lower Upper
41 100
69 0.0 67.3 100.9#
39 57.7 53.8 80.8

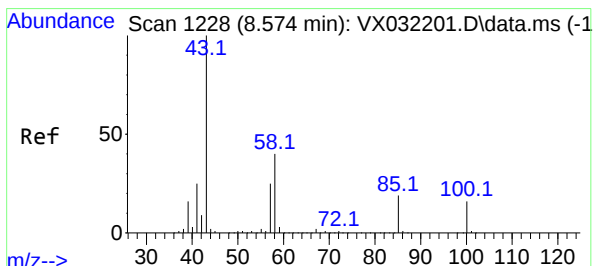
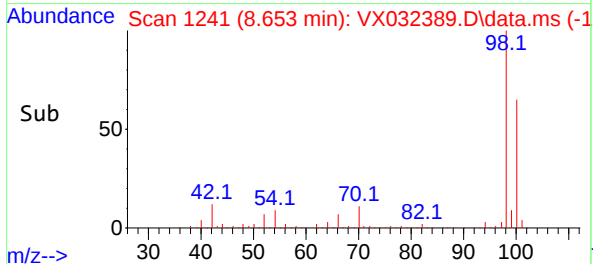
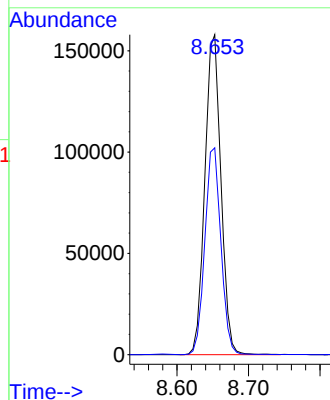
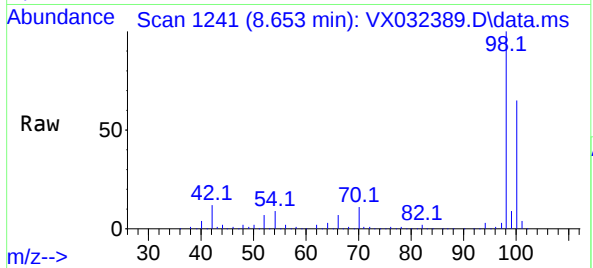




#50
Toluene-d8
Concen: 47.600 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX032389.D
Acq: 26 Oct 2022 01:19

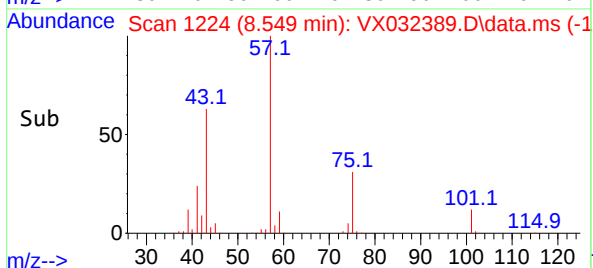
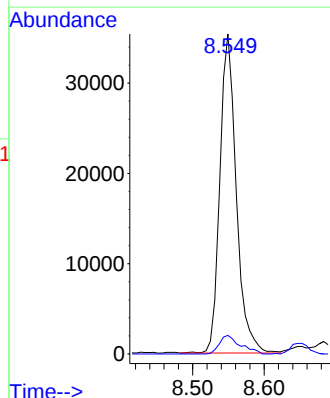
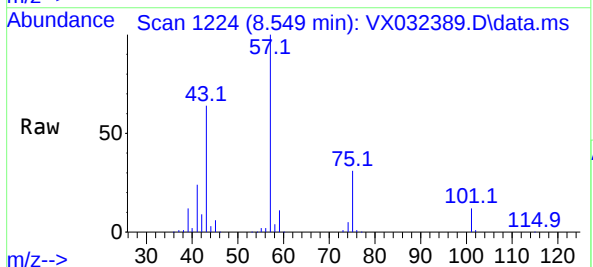
Instrument :
MSVOA_X
ClientSampleId :
TP2-1024

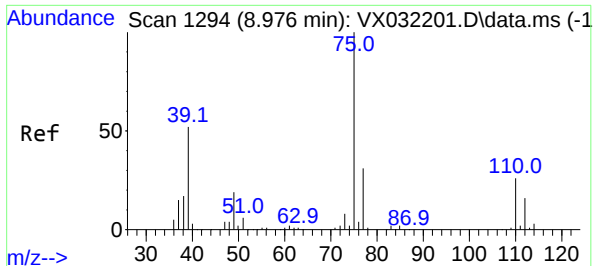
Tgt Ion: 98 Resp: 246920
Ion Ratio Lower Upper
98 100
100 64.7 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 31.545 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX032389.D
Acq: 26 Oct 2022 01:19

Tgt Ion: 43 Resp: 56329
Ion Ratio Lower Upper
43 100
58 7.4 31.0 46.4#





#53

t-1,3-Dichloropropene

Concen: 2.032 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX032389.D

Acq: 26 Oct 2022 01:19

Instrument :

MSVOA_X

ClientSampleId :

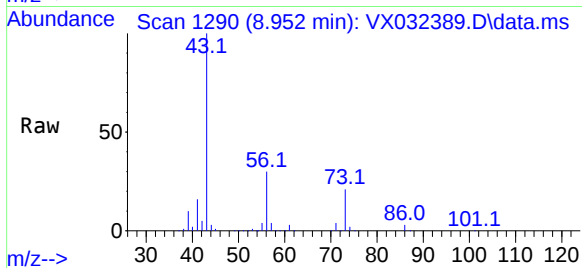
TP2-1024

Tgt Ion: 75 Resp: 465

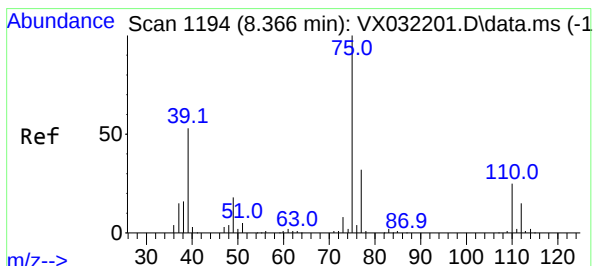
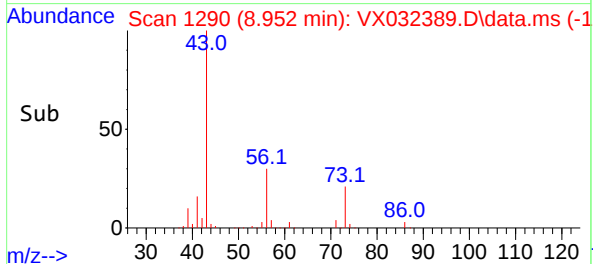
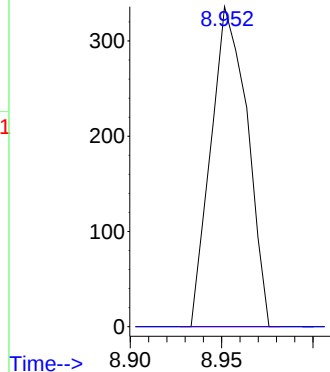
Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#



Abundance



#54

cis-1,3-Dichloropropene

Concen: 11.725 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX032389.D

Acq: 26 Oct 2022 01:19

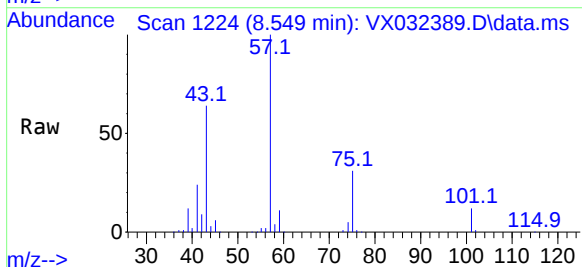
Tgt Ion: 75 Resp: 24396

Ion Ratio Lower Upper

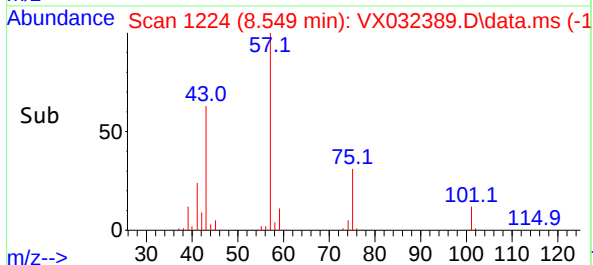
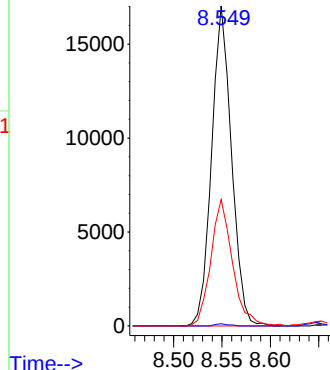
75 100

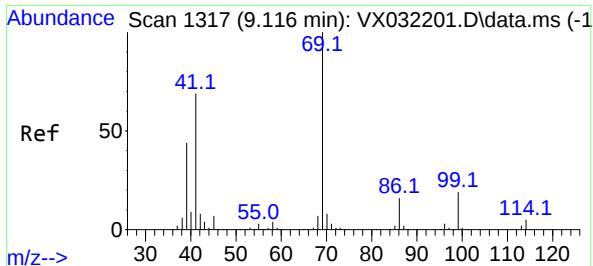
77 0.7 25.3 37.9#

39 39.5 42.4 63.6#



Abundance

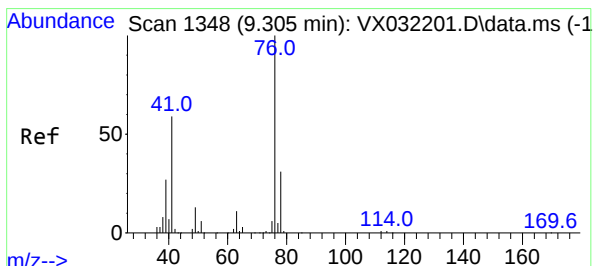
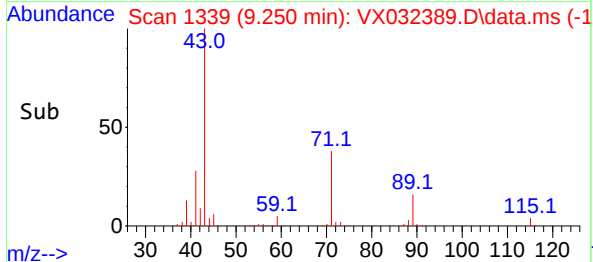
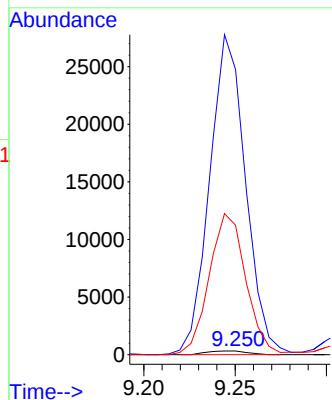
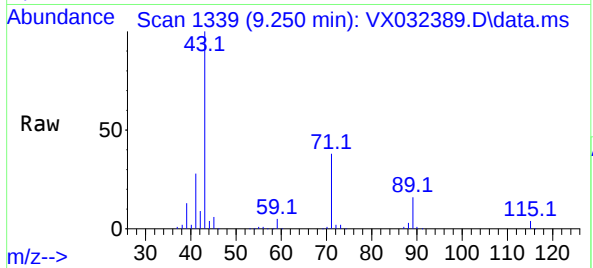




#56
Ethyl methacrylate
Concen: 0.244 ug/l
RT: 9.250 min Scan# 11
Delta R.T. 0.134 min
Lab File: VX032389.D
Acq: 26 Oct 2022 01:19

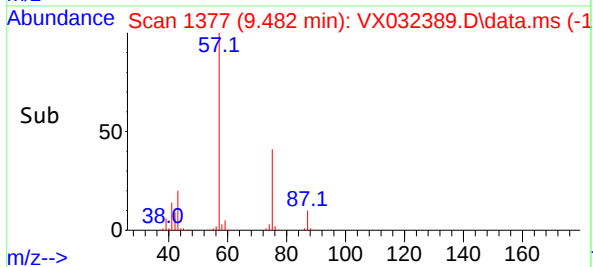
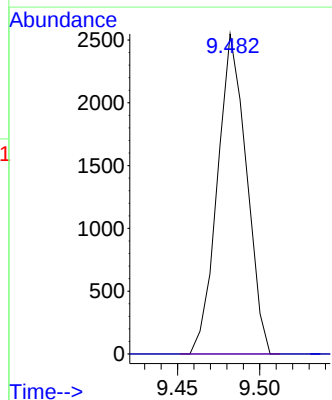
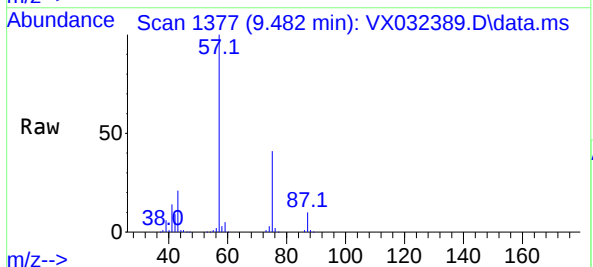
Instrument :
MSVOA_X
ClientSampleId :
TP2-1024

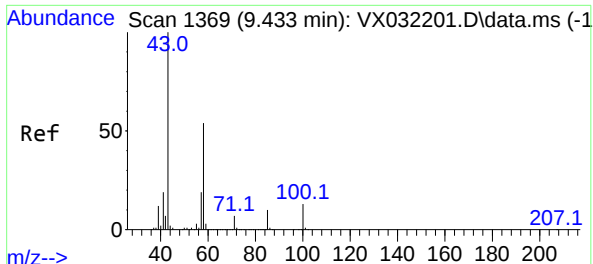
Tgt Ion: 69 Resp: 496
Ion Ratio Lower Upper
69 100
41 7687.5 54.5 81.7#
39 3467.5 35.7 53.5#



#57
1,3-Dichloropropane
Concen: 1.365 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX032389.D
Acq: 26 Oct 2022 01:19

Tgt Ion: 76 Resp: 3126
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 32.718 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX032389.D

Acq: 26 Oct 2022 01:19

Instrument :

MSVOA_X

ClientSampleId :

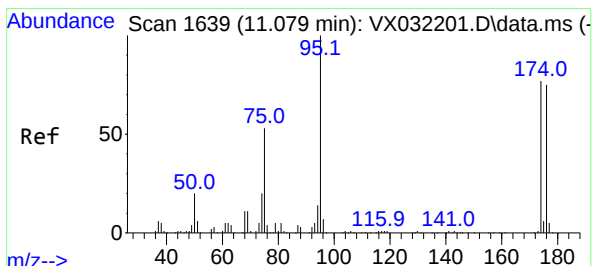
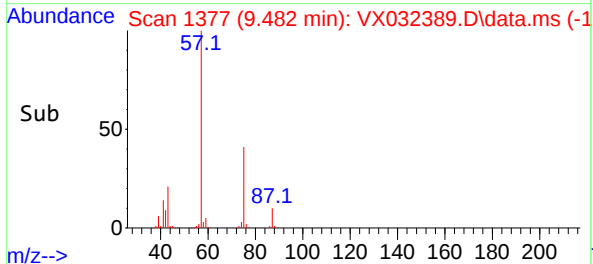
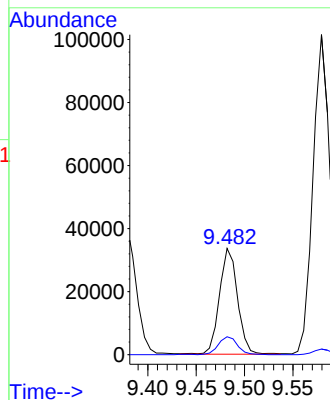
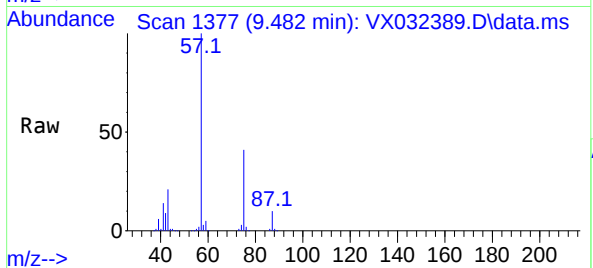
TP2-1024

Tgt Ion: 43 Resp: 43594

Ion Ratio Lower Upper

43 100

58 18.1 26.7 80.1#



#62

4-Bromofluorobenzene

Concen: 44.385 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX032389.D

Acq: 26 Oct 2022 01:19

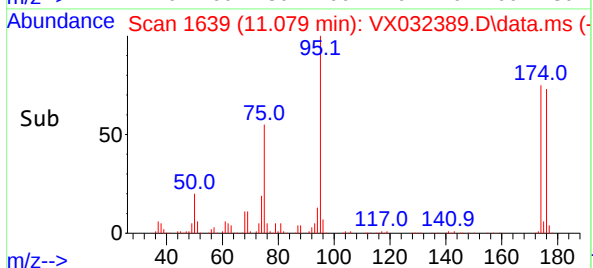
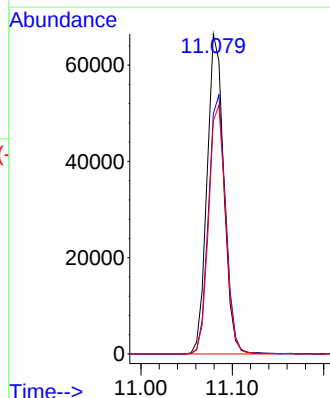
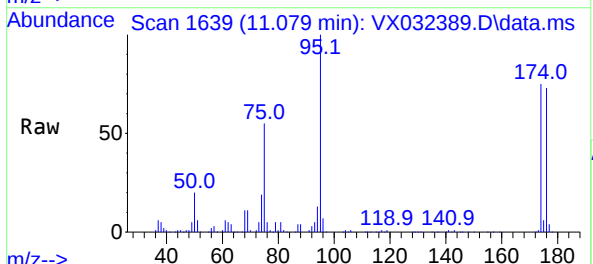
Tgt Ion: 95 Resp: 84311

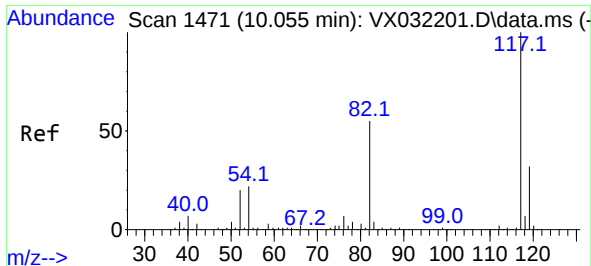
Ion Ratio Lower Upper

95 100

174 83.1 0.0 166.8

176 79.0 0.0 161.4

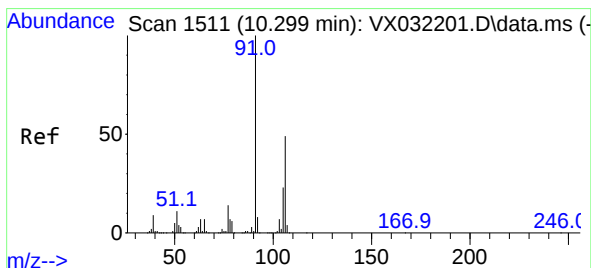
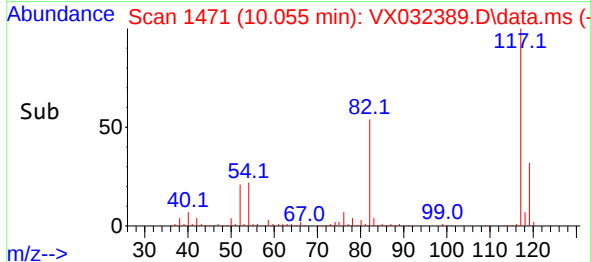
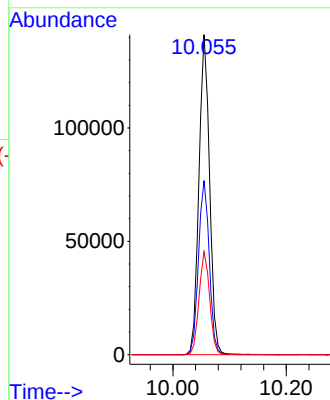
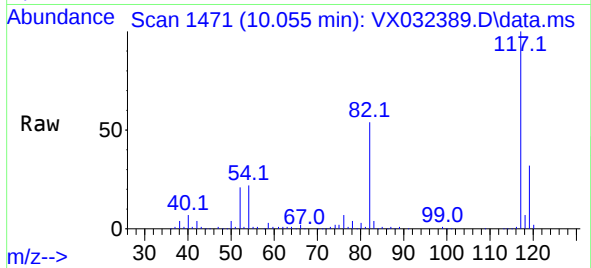




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX032389.D
Acq: 26 Oct 2022 01:19

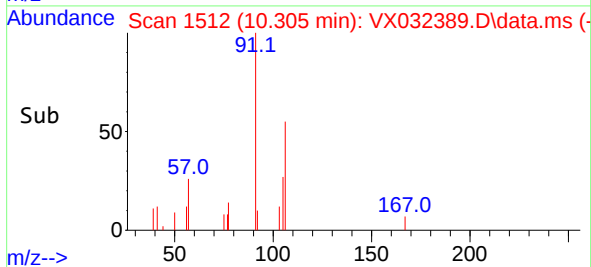
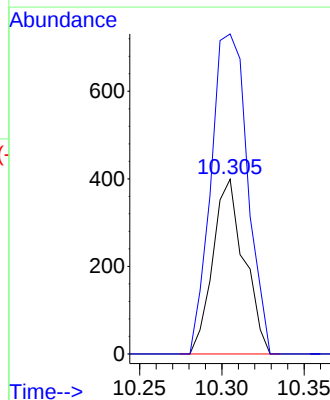
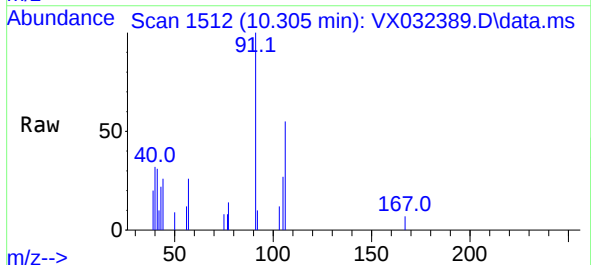
Instrument :
MSVOA_X
ClientSampleId :
TP2-1024

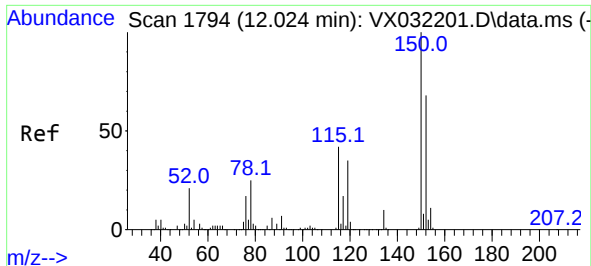
Tgt Ion:117 Resp: 183790
Ion Ratio Lower Upper
117 100
82 54.4 44.2 66.4
119 32.2 25.8 38.8



#68
m/p-Xylenes
Concen: 0.201 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX032389.D
Acq: 26 Oct 2022 01:19

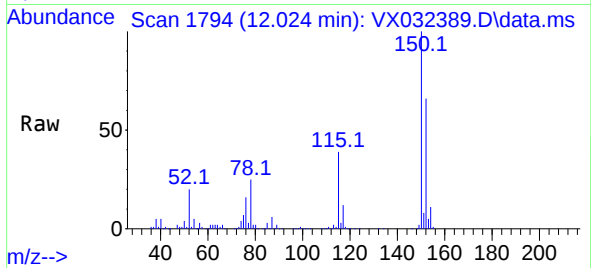
Tgt Ion:106 Resp: 530
Ion Ratio Lower Upper
106 100
91 213.6 162.6 244.0



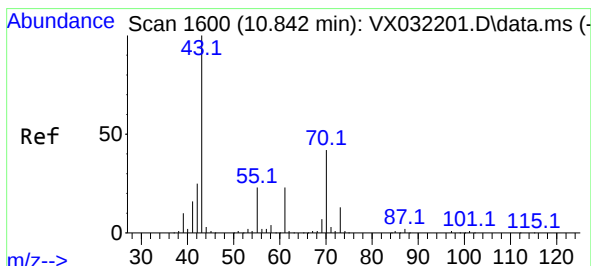
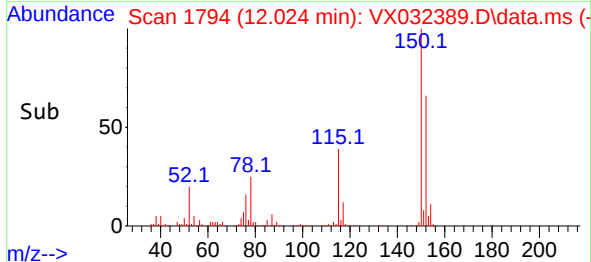
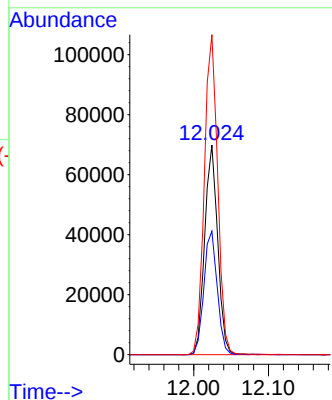


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032389.D
Acq: 26 Oct 2022 01:19

Instrument :
MSVOA_X
ClientSampleId :
TP2-1024

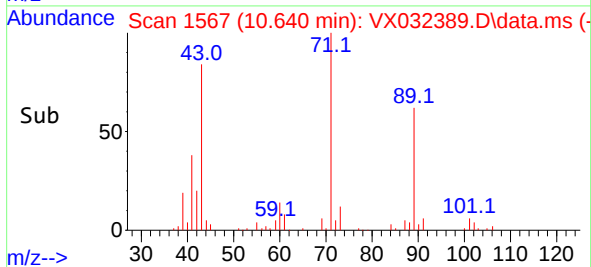
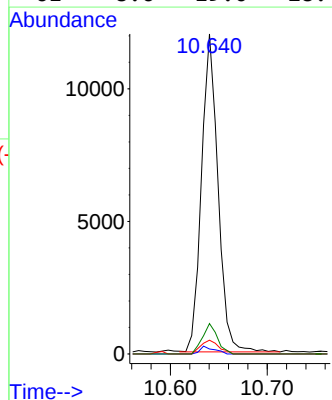
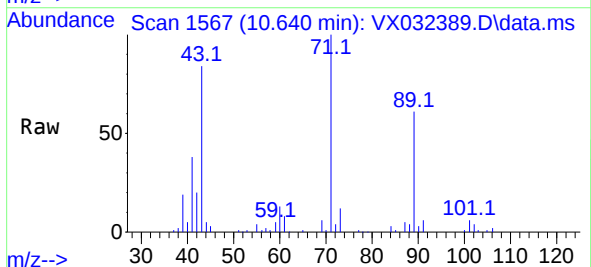


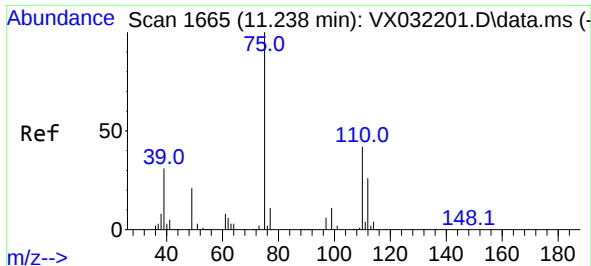
Tgt Ion:152 Resp: 84536
Ion Ratio Lower Upper
152 100
115 60.4 43.1 129.4
150 156.2 0.0 348.6



#74
N-ethyl acetate
Concen: 6.401 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.202 min
Lab File: VX032389.D
Acq: 26 Oct 2022 01:19

Tgt Ion: 43 Resp: 14265
Ion Ratio Lower Upper
43 100
70 2.1 33.9 50.9#
55 4.7 19.1 28.7#
61 8.6 19.0 28.4#

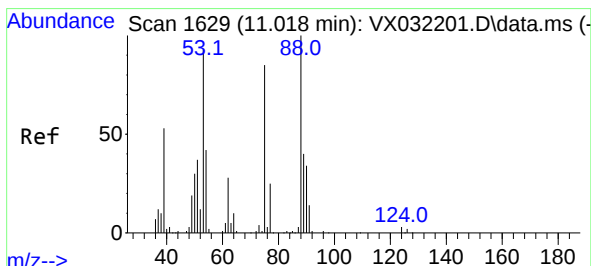
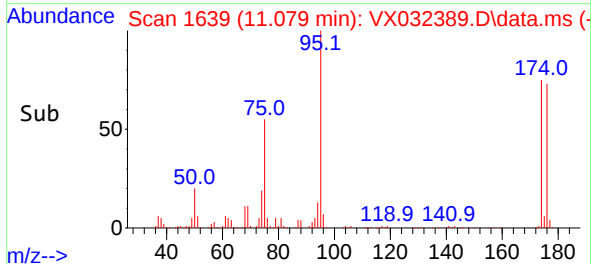
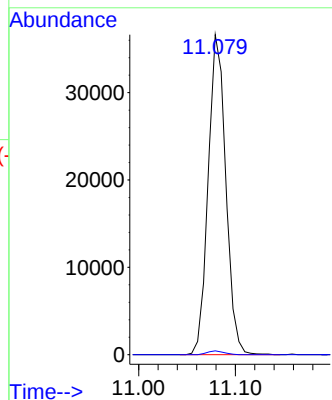
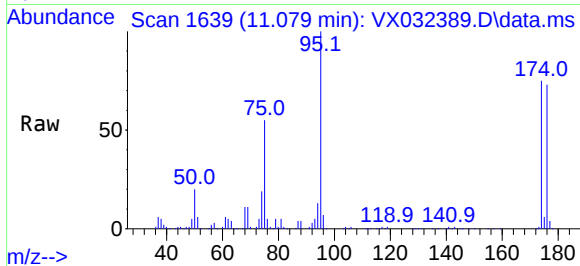




#76
1,2,3-Trichloropropane
Concen: 27.745 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX032389.D
Acq: 26 Oct 2022 01:19

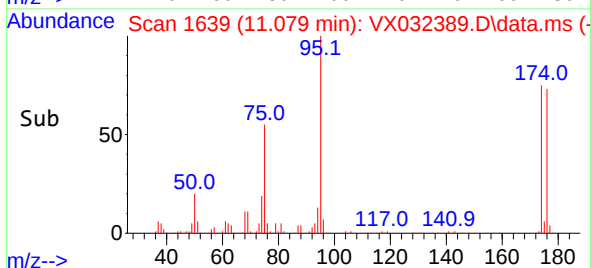
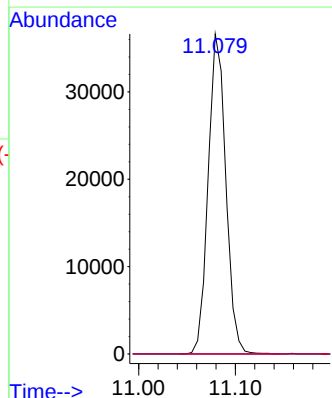
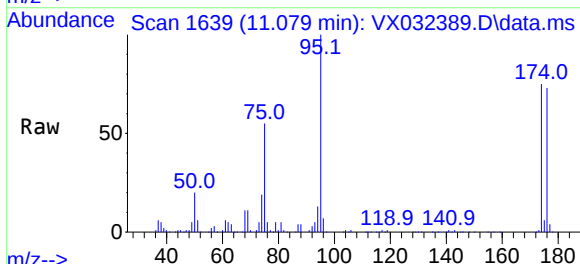
Instrument :
MSVOA_X
ClientSampleId :
TP2-1024

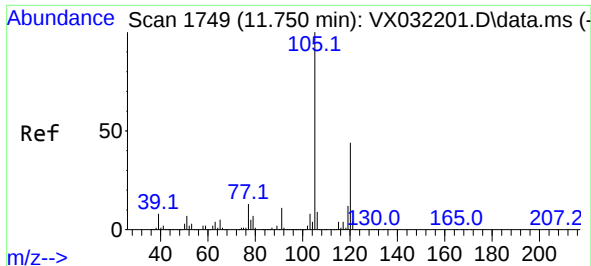
Tgt Ion: 75 Resp: 46474
Ion Ratio Lower Upper
75 100
77 1.1 16.0 47.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.115 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032389.D
Acq: 26 Oct 2022 01:19

Tgt Ion: 75 Resp: 46474
Ion Ratio Lower Upper
75 100
53 0.0 87.8 131.8#
89 0.0 37.8 56.8#

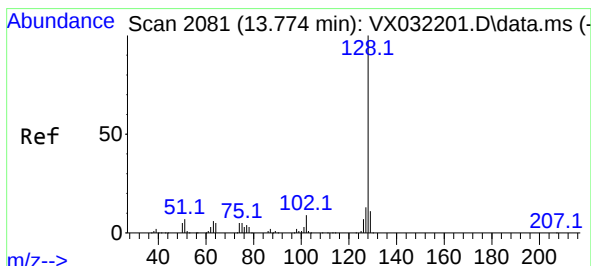
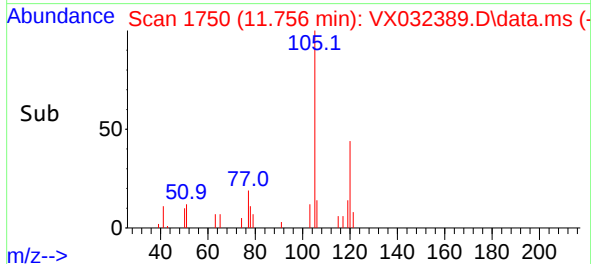
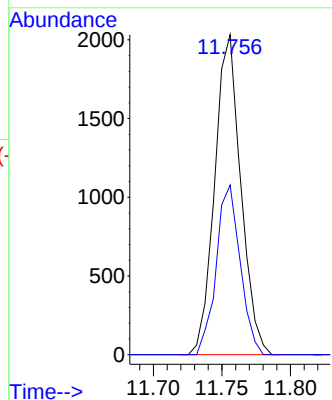
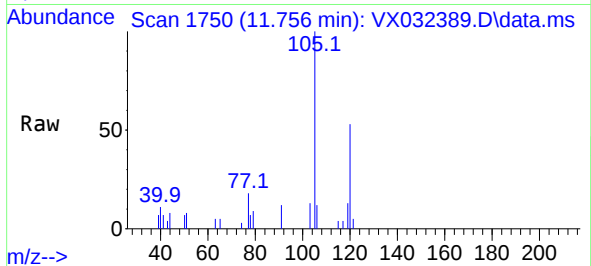




#84
1,2,4-Trimethylbenzene
Concen: 0.532 ug/l
RT: 11.756 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX032389.D
Acq: 26 Oct 2022 01:19

Instrument :
MSVOA_X
ClientSampleId :
TP2-1024

Tgt Ion:105 Resp: 2693
Ion Ratio Lower Upper
105 100
120 48.6 22.1 66.1



#95
Naphthalene
Concen: 1.692 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX032389.D
Acq: 26 Oct 2022 01:19

Tgt Ion:128 Resp: 9857
Ion Ratio Lower Upper
128 100
127 12.2 10.3 15.5
129 13.0 8.7 13.1

