

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020322\
 Data File : VX026767.D
 Acq On : 03 Feb 2022 18:45
 Operator : JC/MD
 Sample : N1345-01 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 34024

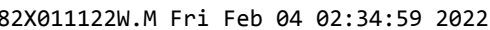
Quant Time: Feb 04 02:34:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 11 14:45:13 2022
 Response via : Initial Calibration

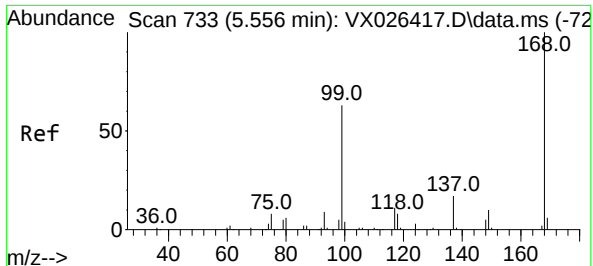
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	120713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	198927	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	183974	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	81300	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	74392	44.116	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.240%
35) Dibromofluoromethane	5.391	113	62200	48.419	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.840%
50) Toluene-d8	8.653	98	234947	50.753	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.500%
62) 4-Bromofluorobenzene	11.079	95	89709	54.552	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	109.100%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.971	59	2035	8.675	ug/l	100
14) Allyl chloride	2.544	41	483	0.208	ug/l #	59
16) Acetone	2.380	43	17731	20.619	ug/l	97
18) Methyl Acetate	2.709	43	1903	1.113	ug/l #	88
22) Diisopropyl ether	3.696	45	3557	0.755	ug/l #	1
25) 2-Butanone	4.574	43	3522	3.149	ug/l #	85
31) Cyclohexane	5.556	56	2307	0.928	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9321	4.596	ug/l #	49
38) Carbon Tetrachloride	5.556	117	12165	5.832	ug/l #	16
43) Isopropyl Acetate	6.348	43	950	0.287	ug/l #	62
48) Methyl methacrylate	7.690	41	752	0.458	ug/l #	34
51) 4-Methyl-2-Pentanone	8.580	43	3131	1.593	ug/l	88
52) Toluene	8.726	92	1268	0.369	ug/l	88
53) t-1,3-Dichloropropene	8.897	75	827	2.252	ug/l #	43
59) 2-Hexanone	9.488	43	1731	1.151	ug/l	71
68) m/p-Xylenes	10.305	106	1607	0.610	ug/l	90
69) o-Xylene	10.646	106	887	0.349	ug/l	82
74) N-amyl acetate	10.756	43	5793	2.252	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.281	83	4723	2.640	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	44080	24.625	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.451	105	1454	0.265	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	44080	74.925	ug/l #	3
84) 1,2,4-Trimethylbenzene	11.756	105	6496	1.182	ug/l	98
89) n-Butylbenzene	12.317	91	1279	0.268	ug/l #	40
90) Hexachloroethane	12.530	117	224	2.408	ug/l #	14
93) 1,2,4-Trichlorobenzene	13.366	180	450	0.260	ug/l #	13
95) Naphthalene	13.780	128	3036	0.525	ug/l #	93

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

Quant Time: Feb 04 02:34:56 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
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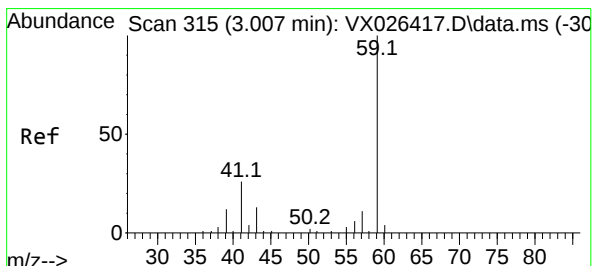
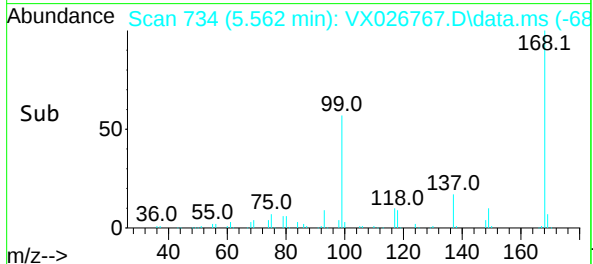
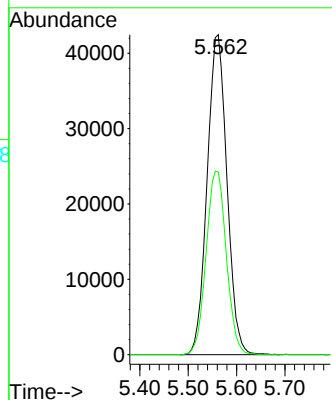
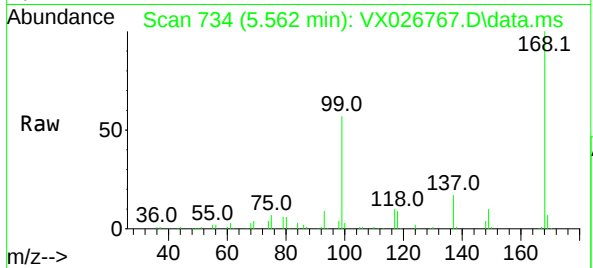




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026767.D
Acq: 03 Feb 2022 18:45

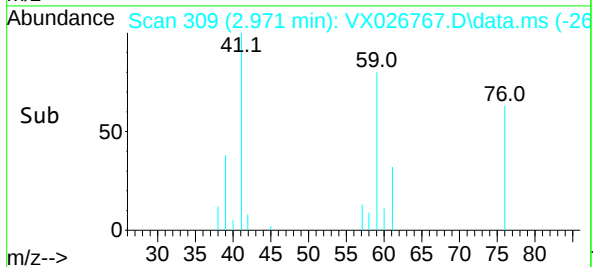
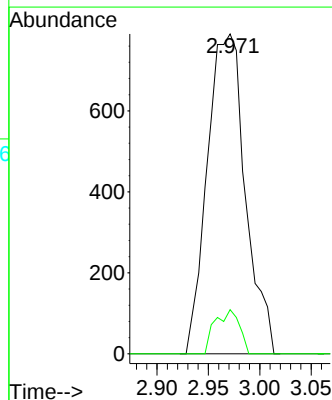
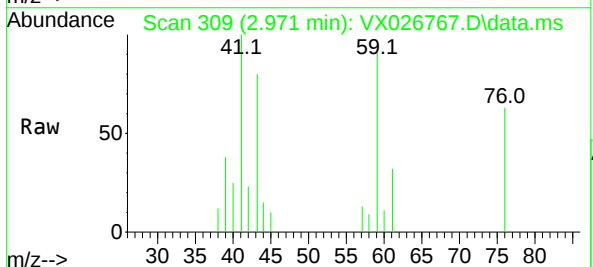
Instrument :
MSVOA_X
ClientSampleId :
34024

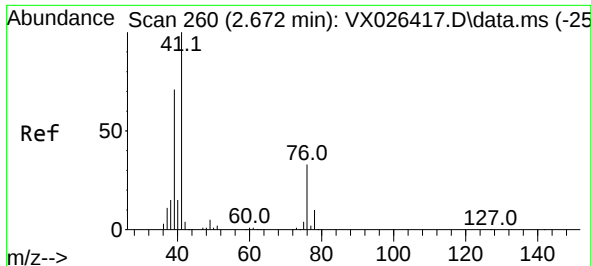
Tgt Ion:168 Resp: 120713
Ion Ratio Lower Upper
168 100
99 57.0 50.3 75.5



#11
Tert butyl alcohol
Concen: 8.675 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.036 min
Lab File: VX026767.D
Acq: 03 Feb 2022 18:45

Tgt Ion: 59 Resp: 2035
Ion Ratio Lower Upper
59 100
57 8.8 7.2 10.8

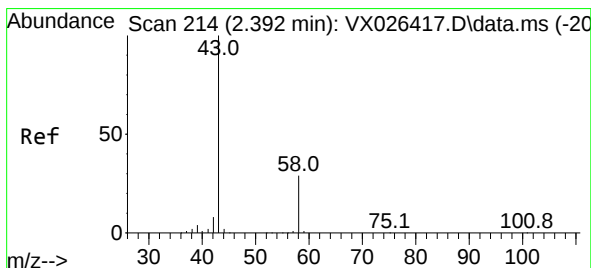
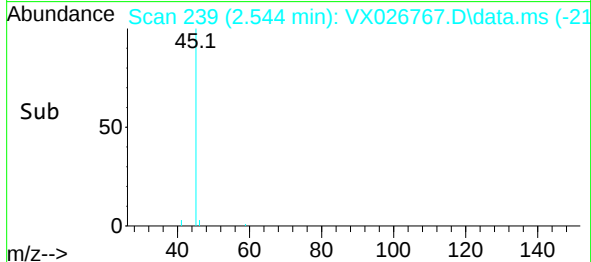
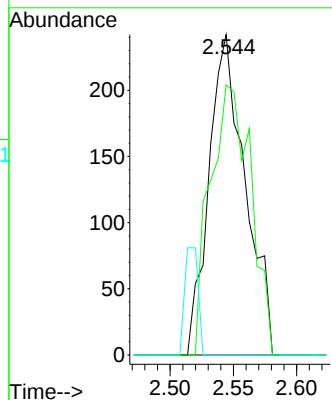
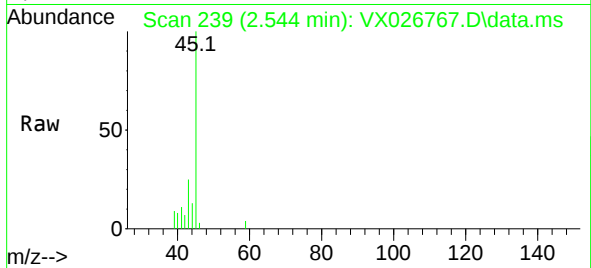




#14
 Allyl chloride
 Concen: 0.208 ug/l
 RT: 2.544 min Scan# 212
 Delta R.T. -0.128 min
 Lab File: VX026767.D
 Acq: 03 Feb 2022 18:45

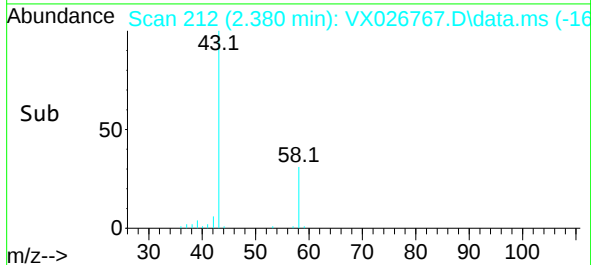
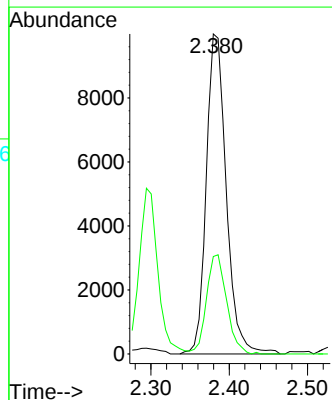
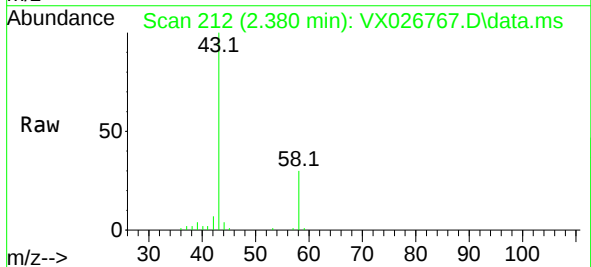
Instrument :
 MSVOA_X
 ClientSampleId :
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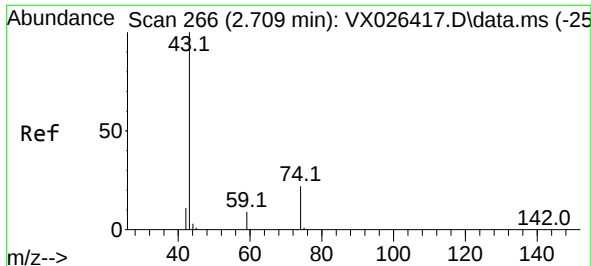
Tgt Ion: 41 Resp: 483
 Ion Ratio Lower Upper
 41 100
 39 94.6 54.2 81.4#
 76 0.0 25.2 37.8#



#16
 Acetone
 Concen: 20.619 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.012 min
 Lab File: VX026767.D
 Acq: 03 Feb 2022 18:45

Tgt Ion: 43 Resp: 17731
 Ion Ratio Lower Upper
 43 100
 58 30.5 23.0 34.6

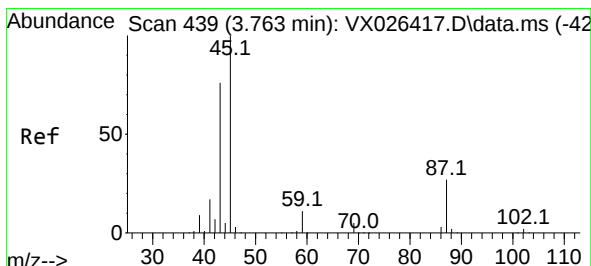
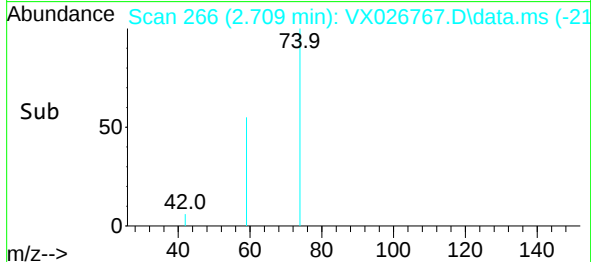
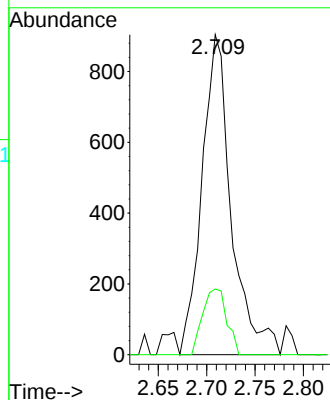
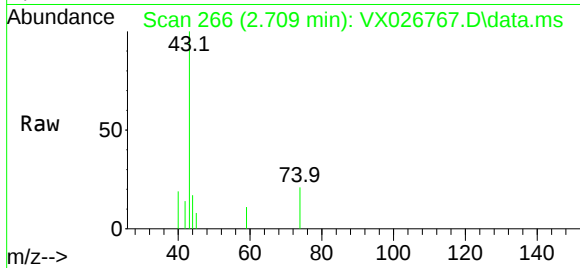




#18
Methyl Acetate
Concen: 1.113 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX026767.D
Acq: 03 Feb 2022 18:45

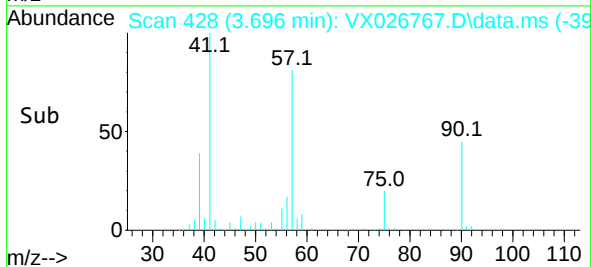
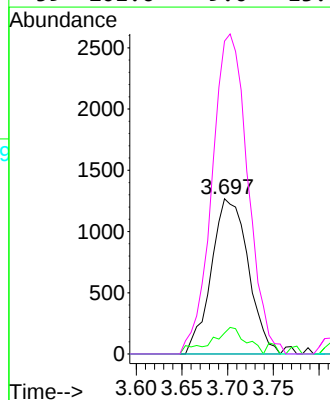
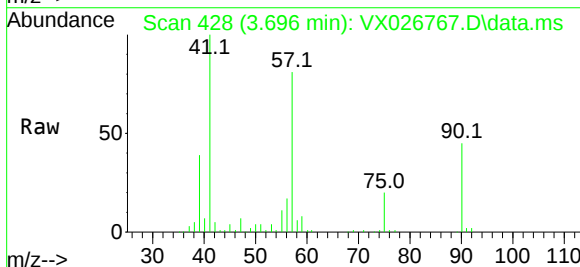
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MSVOA_X
ClientSampleId :
34024

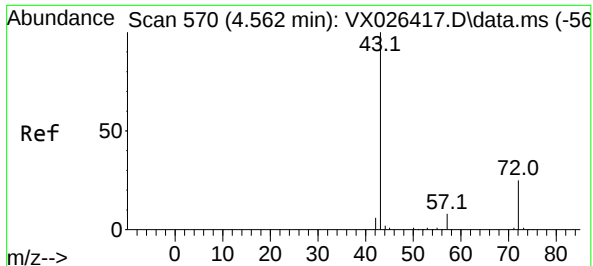
Tgt Ion: 43 Resp: 1903
Ion Ratio Lower Upper
43 100
74 16.9 18.3 27.5#



#22
Diisopropyl ether
Concen: 0.755 ug/l
RT: 3.696 min Scan# 428
Delta R.T. -0.067 min
Lab File: VX026767.D
Acq: 03 Feb 2022 18:45

Tgt Ion: 45 Resp: 3557
Ion Ratio Lower Upper
45 100
43 13.6 60.6 91.0#
87 0.0 22.0 33.0#
59 201.6 9.0 13.4#





#25

2-Butanone

Concen: 3.149 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX026767.D

Acq: 03 Feb 2022 18:45

Instrument :

MSVOA_X

ClientSampleId :

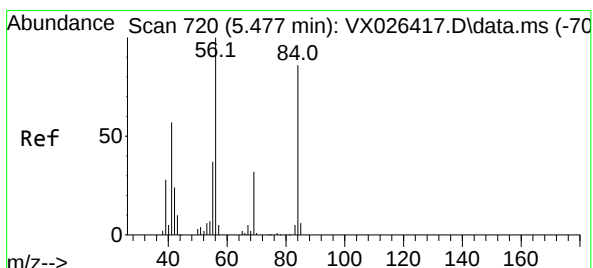
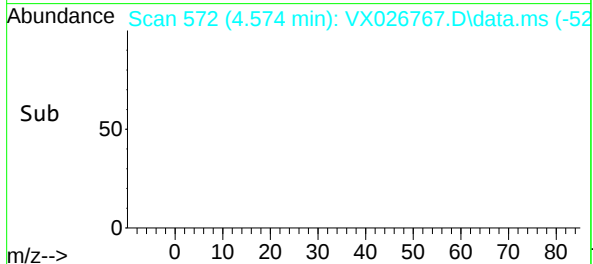
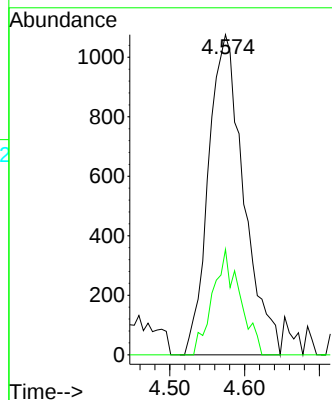
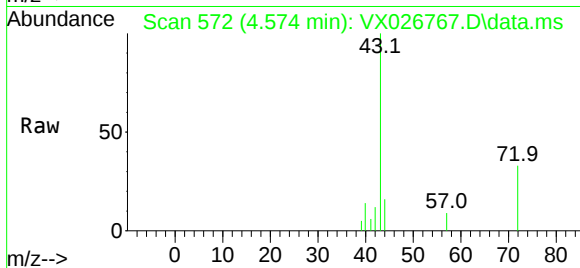
34024

Tgt Ion: 43 Resp: 3522

Ion Ratio Lower Upper

43 100

72 32.9 20.4 30.6#



#31

Cyclohexane

Concen: 0.928 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX026767.D

Acq: 03 Feb 2022 18:45

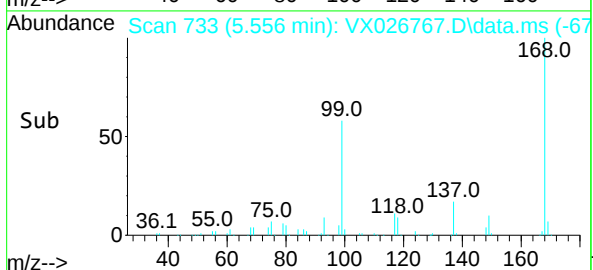
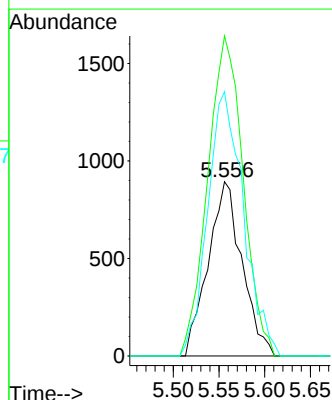
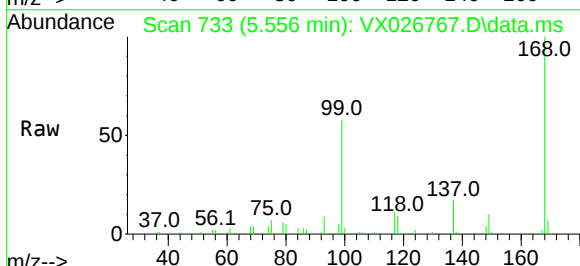
Tgt Ion: 56 Resp: 2307

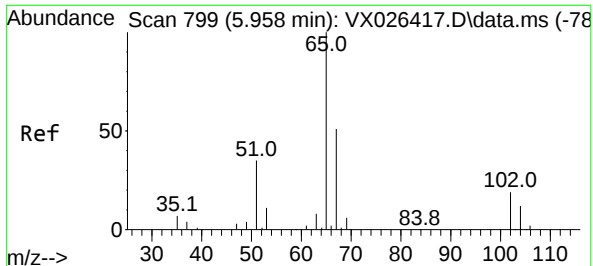
Ion Ratio Lower Upper

56 100

69 183.6 25.8 38.6#

84 151.6 68.9 103.3#

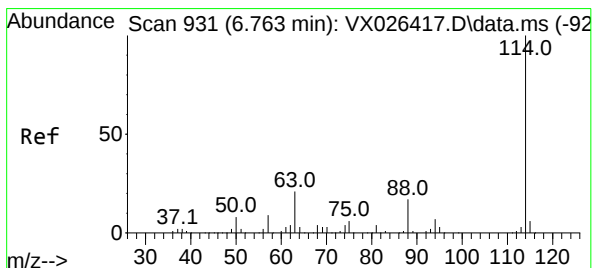
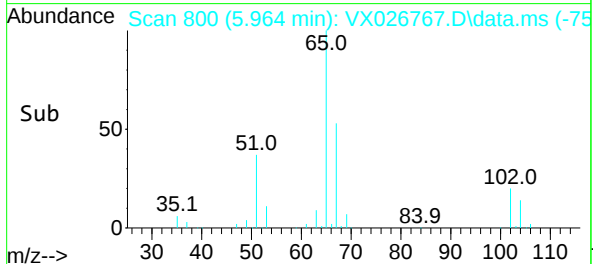
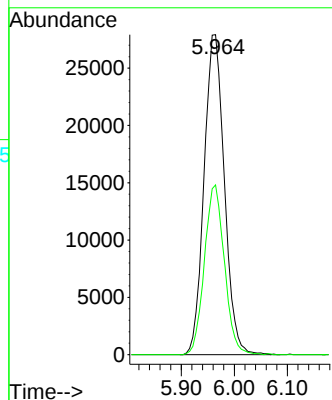
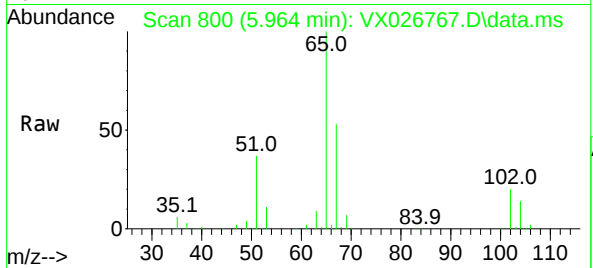




#33
 1,2-Dichloroethane-d4
 Concen: 44.116 ug/l
 RT: 5.964 min Scan# 80
 Delta R.T. 0.006 min
 Lab File: VX026767.D
 Acq: 03 Feb 2022 18:45

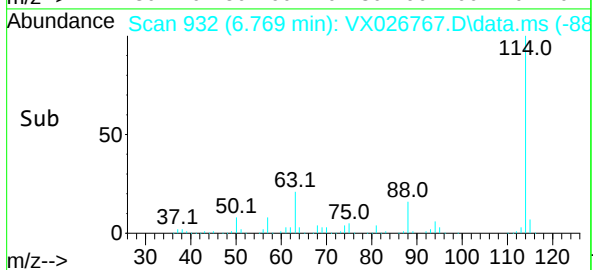
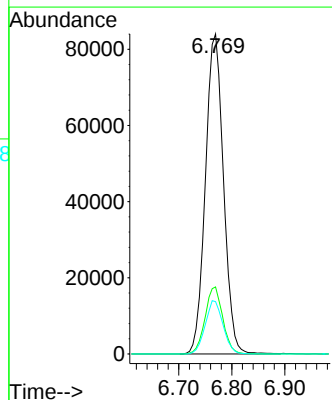
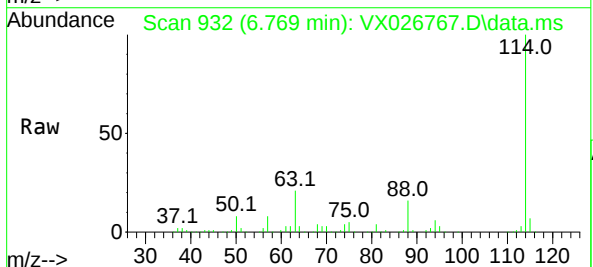
Instrument :
 MSVOA_X
 ClientSampleId :
 34024

Tgt Ion: 65 Resp: 74392
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.006 min
 Lab File: VX026767.D
 Acq: 03 Feb 2022 18:45

Tgt Ion: 114 Resp: 198927
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.8
 88 16.4 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.419 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX026767.D

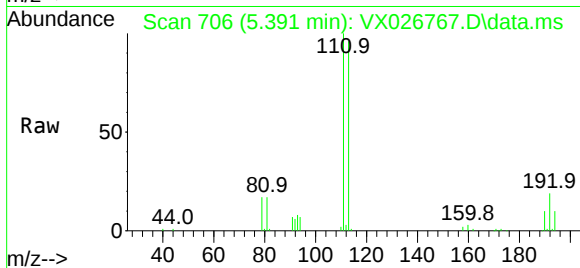
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Instrument :

MSVOA_X

ClientSampleId :

34024



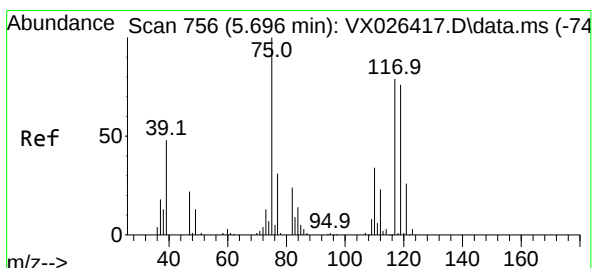
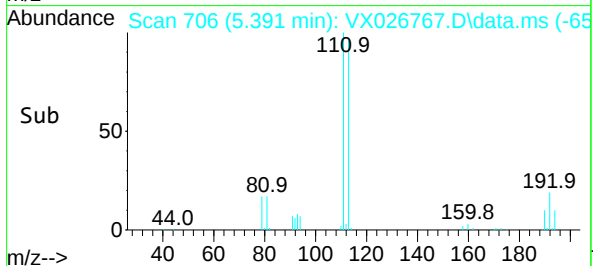
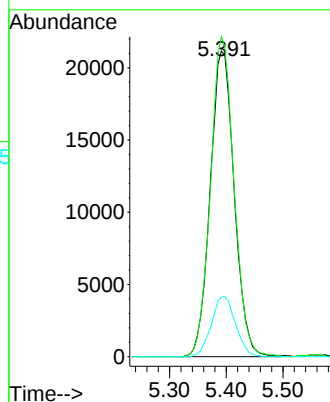
Tgt Ion:113 Resp: 62200

Ion Ratio Lower Upper

113 100

111 102.6 81.2 121.8

192 19.8 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.596 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX026767.D

Acq: 03 Feb 2022 18:45

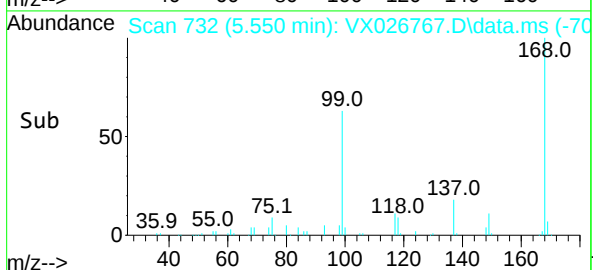
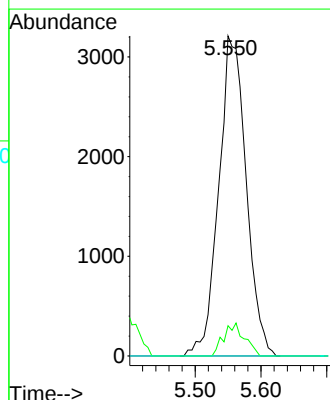
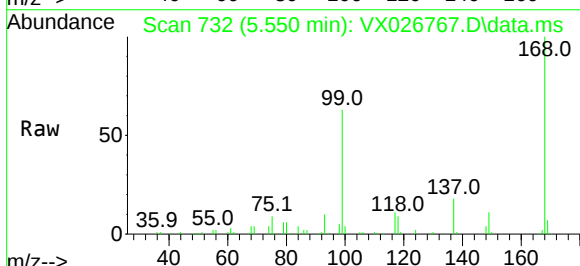
Tgt Ion: 75 Resp: 9321

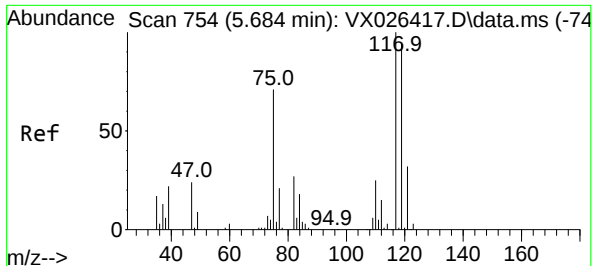
Ion Ratio Lower Upper

75 100

110 7.8 17.2 51.6#

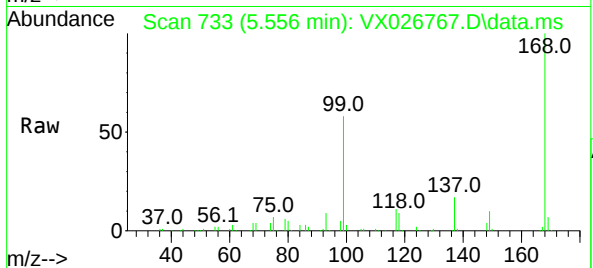
77 0.0 24.6 36.8#



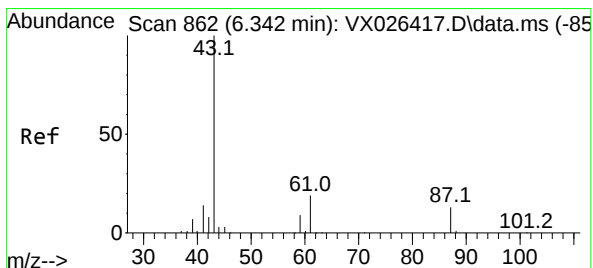
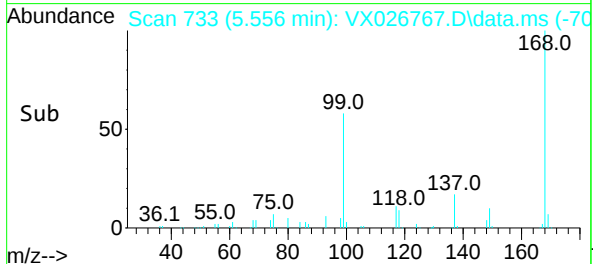
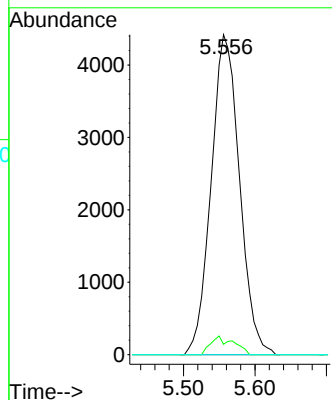


#38
Carbon Tetrachloride
Concen: 5.832 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX026767.D
Acq: 03 Feb 2022 18:45

Instrument :
MSVOA_X
ClientSampleId :
34024

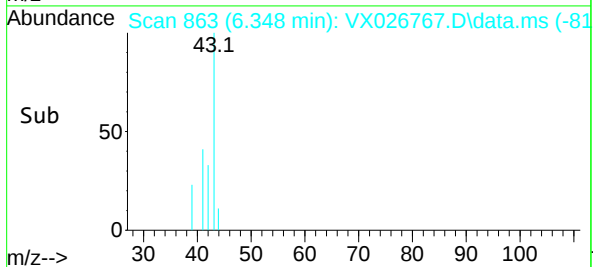
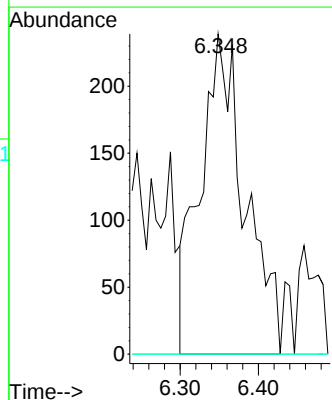
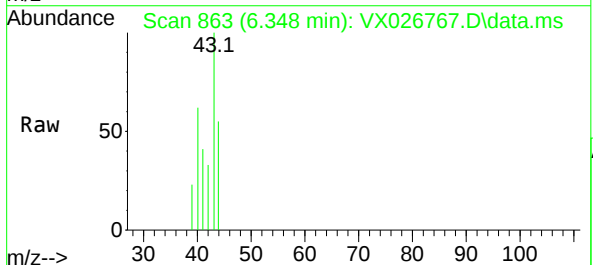


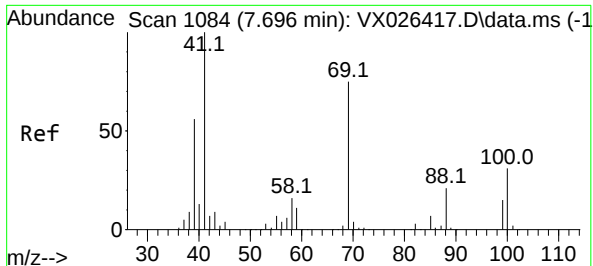
Tgt Ion:117 Resp: 12165
Ion Ratio Lower Upper
117 100
119 3.2 74.7 112.1#
121 0.0 25.4 38.0#



#43
Isopropyl Acetate
Concen: 0.287 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX026767.D
Acq: 03 Feb 2022 18:45

Tgt Ion: 43 Resp: 950
Ion Ratio Lower Upper
43 100
61 0.0 15.4 23.0#
87 0.0 10.2 15.2#

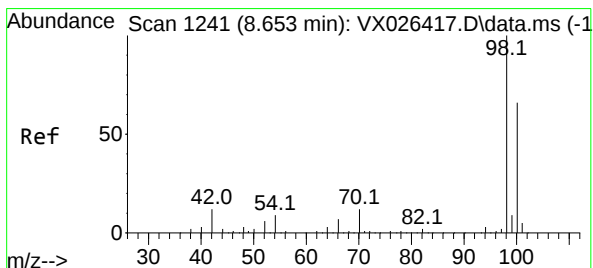
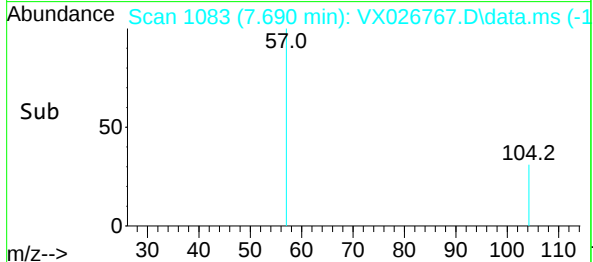
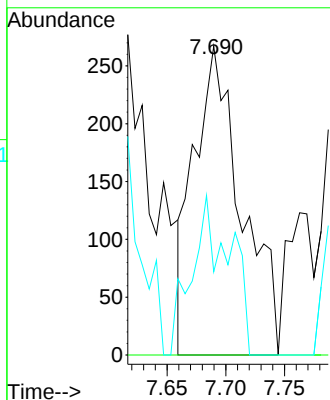
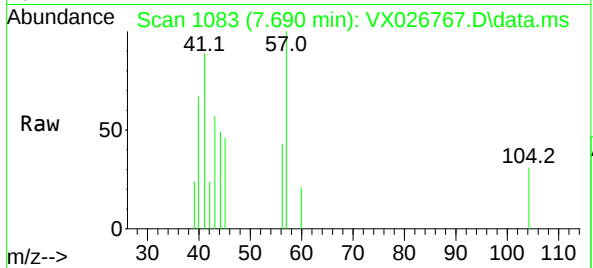




#48
Methyl methacrylate
Concen: 0.458 ug/l
RT: 7.690 min Scan# 1084
Delta R.T. -0.006 min
Lab File: VX026767.D
Acq: 03 Feb 2022 18:45

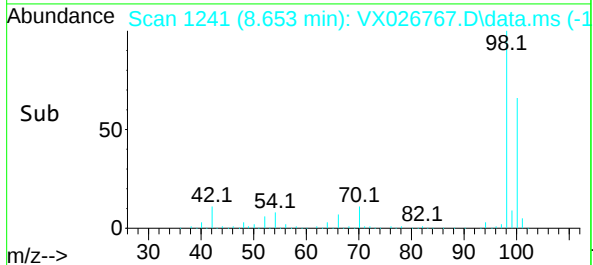
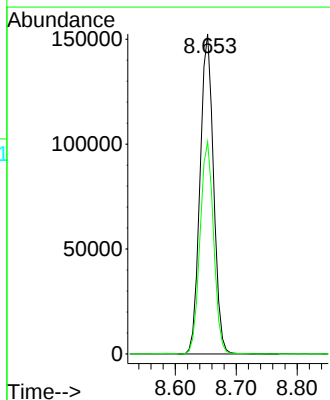
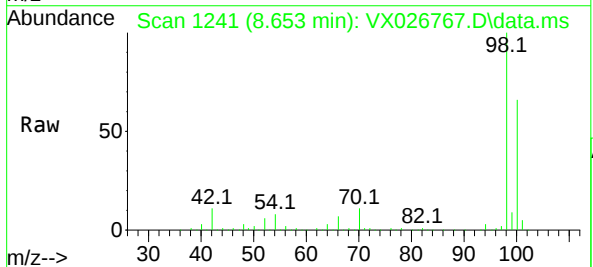
Instrument :
MSVOA_X
ClientSampleId :
34024

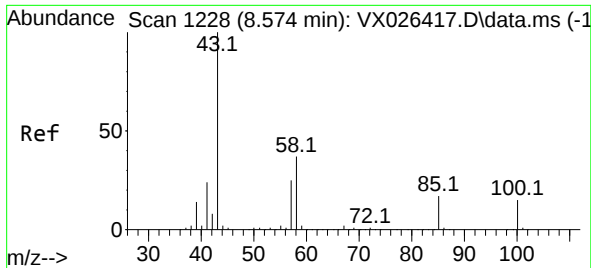
Tgt Ion: 41 Resp: 752
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.4#
39 32.2 45.4 68.0#



#50
Toluene-d8
Concen: 50.753 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX026767.D
Acq: 03 Feb 2022 18:45

Tgt Ion: 98 Resp: 234947
Ion Ratio Lower Upper
98 100
100 66.6 53.2 79.8

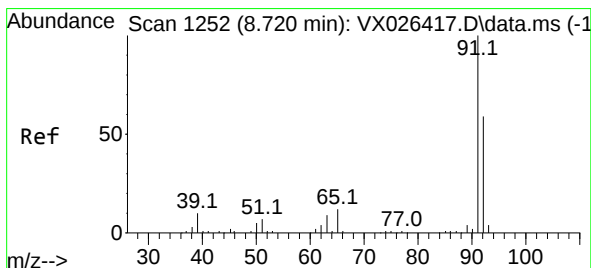
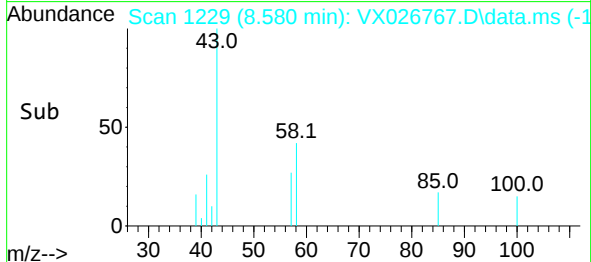
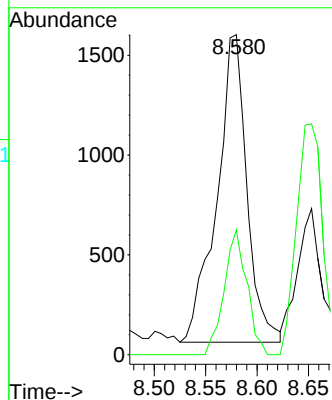
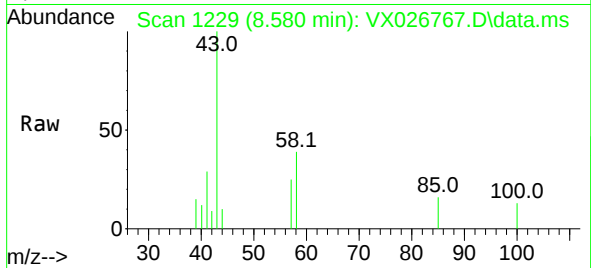




#51
4-Methyl-2-Pentanone
Concen: 1.593 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX026767.D
Acq: 03 Feb 2022 18:45

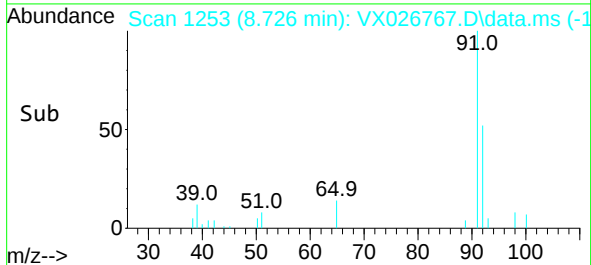
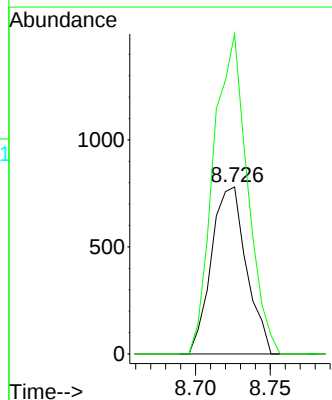
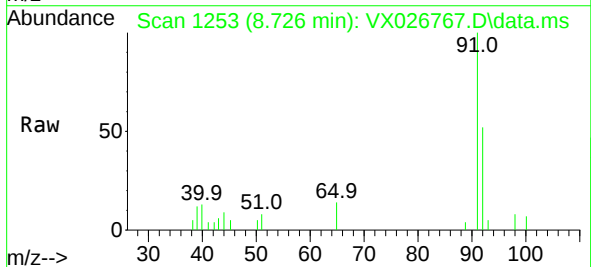
Instrument :
MSVOA_X
ClientSampleId :
34024

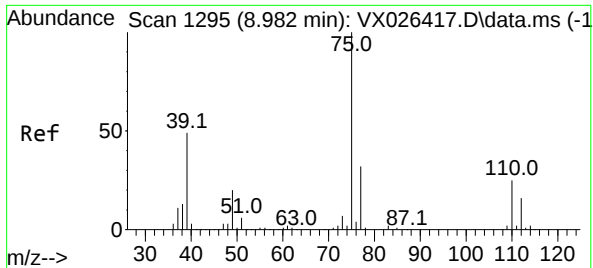
Tgt Ion: 43 Resp: 3131
Ion Ratio Lower Upper
43 100
58 30.6 30.5 45.7



#52
Toluene
Concen: 0.369 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX026767.D
Acq: 03 Feb 2022 18:45

Tgt Ion: 92 Resp: 1268
Ion Ratio Lower Upper
92 100
91 185.9 135.7 203.5

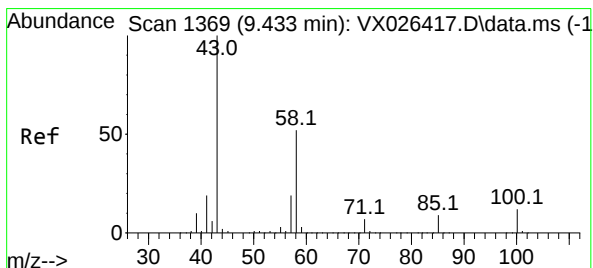
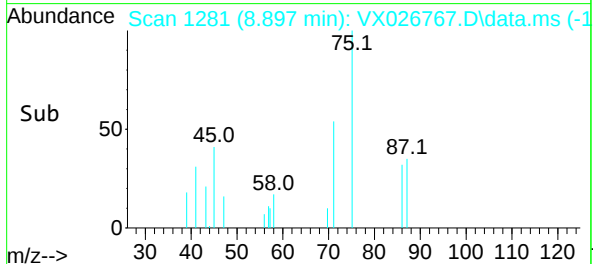
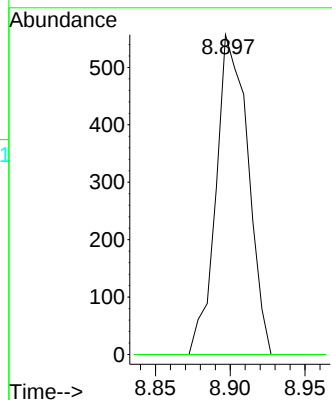
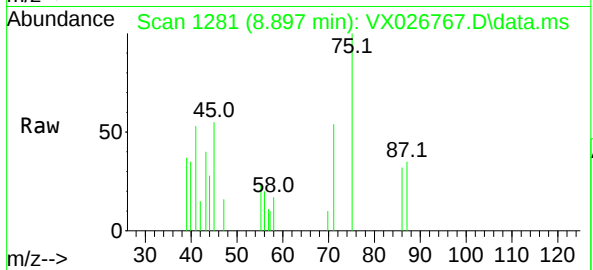




#53
t-1,3-Dichloropropene
Concen: 2.252 ug/l
RT: 8.897 min Scan# 11
Delta R.T. -0.085 min
Lab File: VX026767.D
Acq: 03 Feb 2022 18:45

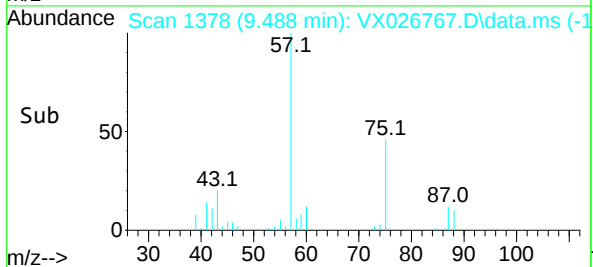
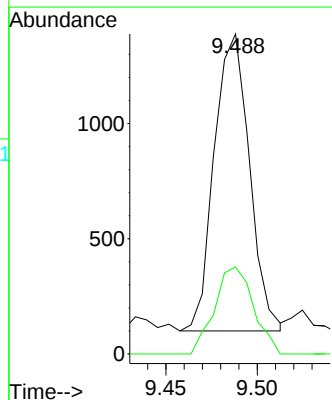
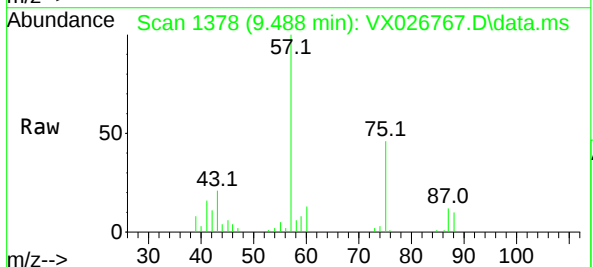
Instrument :
MSVOA_X
ClientSampleId :
34024

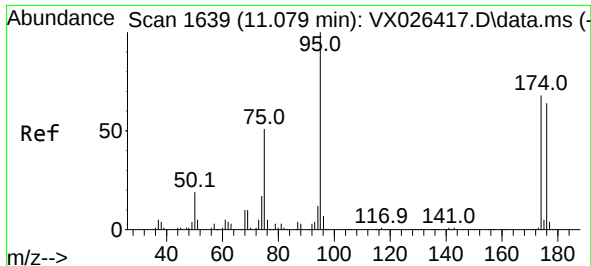
Tgt Ion: 75 Resp: 827
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 1.151 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX026767.D
Acq: 03 Feb 2022 18:45

Tgt Ion: 43 Resp: 1731
Ion Ratio Lower Upper
43 100
58 32.2 26.4 79.2

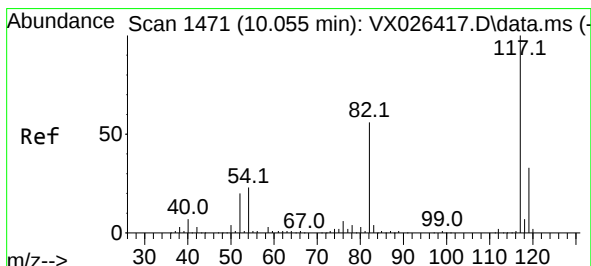
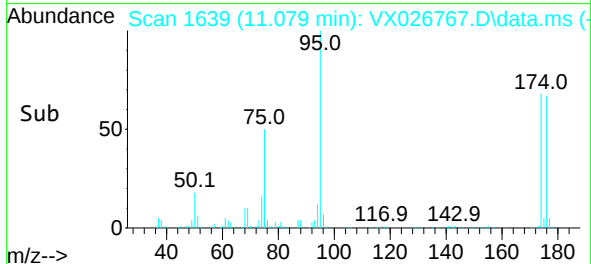
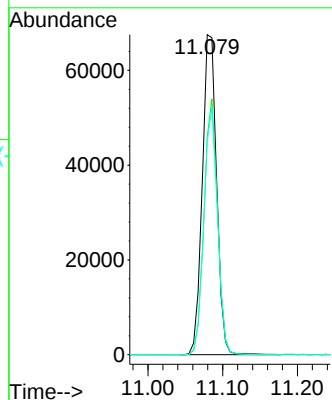
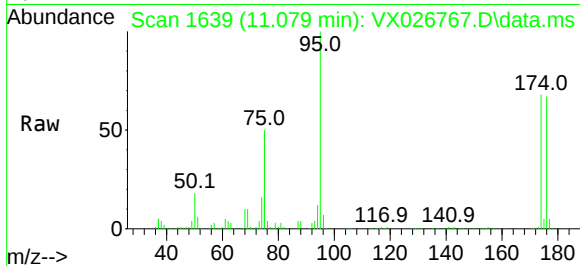




#62
4-Bromofluorobenzene
Concen: 54.552 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX026767.D
Acq: 03 Feb 2022 18:45

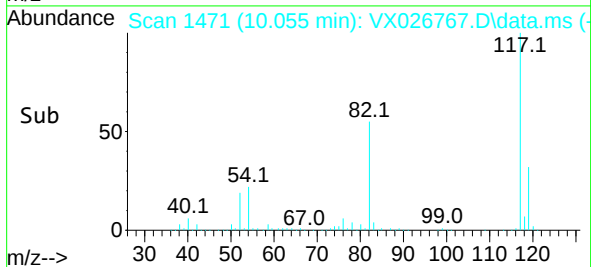
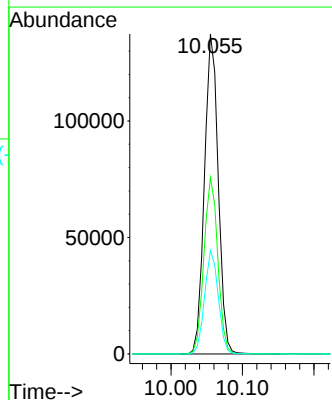
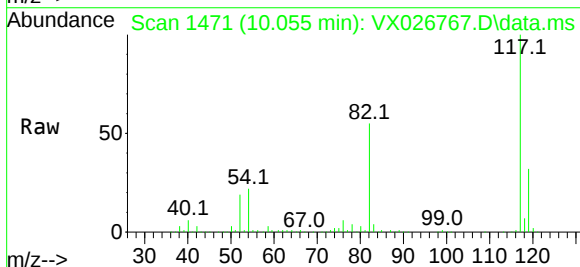
Instrument :
MSVOA_X
ClientSampleId :
34024

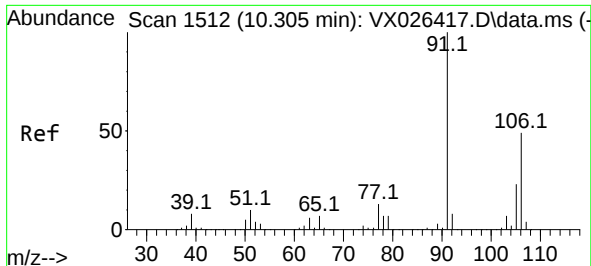
Tgt Ion: 95 Resp: 89709
Ion Ratio Lower Upper
95 100
174 75.7 0.0 148.6
176 73.5 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026767.D
Acq: 03 Feb 2022 18:45

Tgt Ion: 117 Resp: 183974
Ion Ratio Lower Upper
117 100
82 55.1 45.2 67.8
119 32.4 26.2 39.2

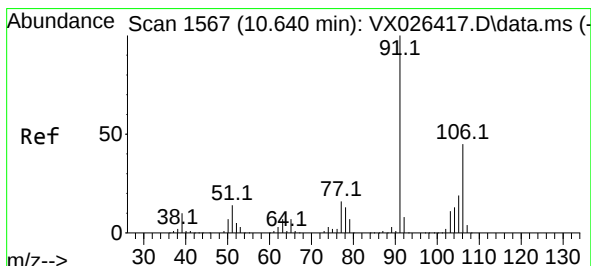
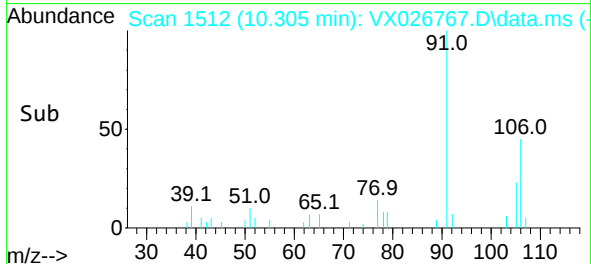
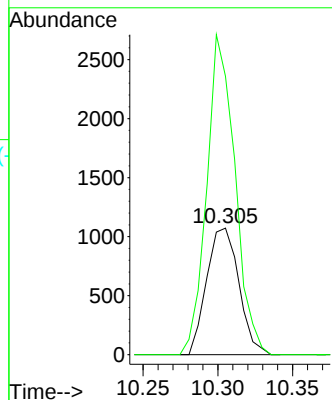
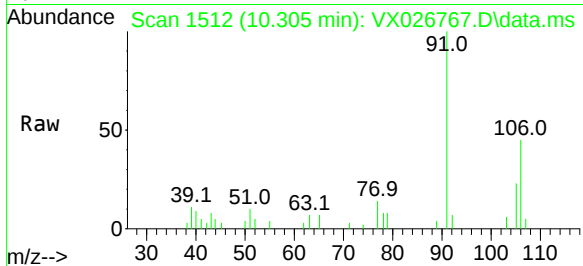




#68
m/p-Xylenes
Concen: 0.610 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX026767.D
Acq: 03 Feb 2022 18:45

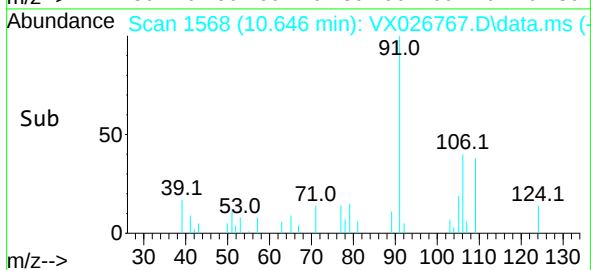
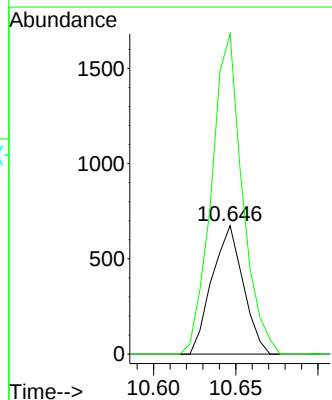
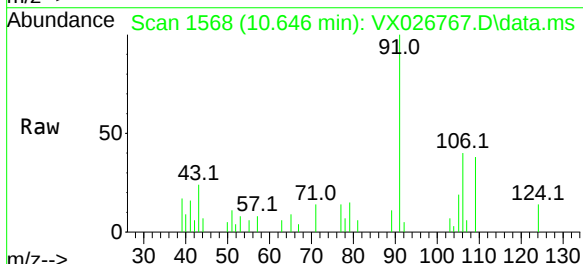
Instrument :
MSVOA_X
ClientSampleId :
34024

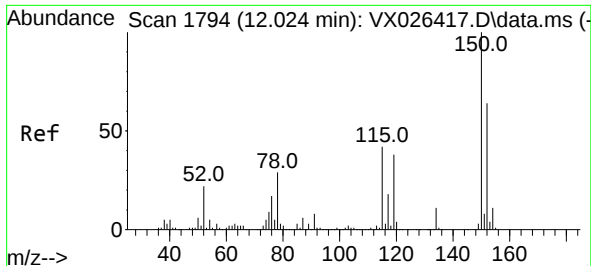
Tgt Ion:106 Resp: 1607
Ion Ratio Lower Upper
106 100
91 222.0 165.3 247.9



#69
o-Xylene
Concen: 0.349 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX026767.D
Acq: 03 Feb 2022 18:45

Tgt Ion:106 Resp: 887
Ion Ratio Lower Upper
106 100
91 247.6 109.7 329.0

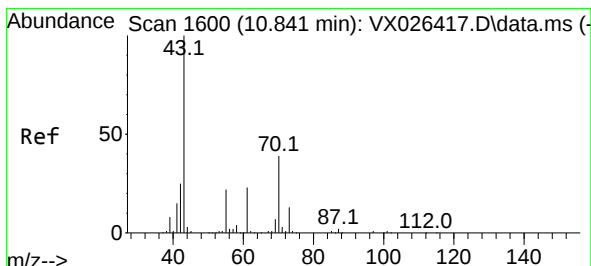
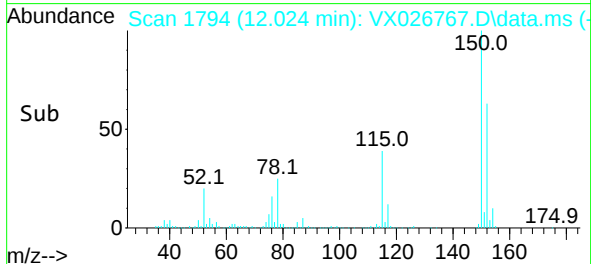
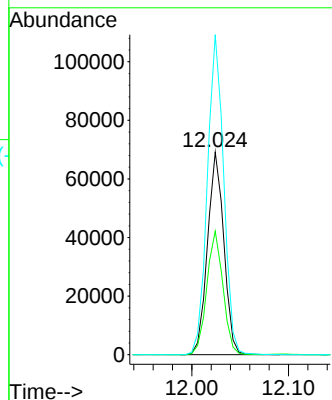
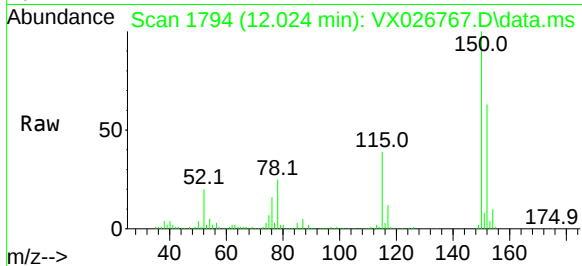




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026767.D
Acq: 03 Feb 2022 18:45

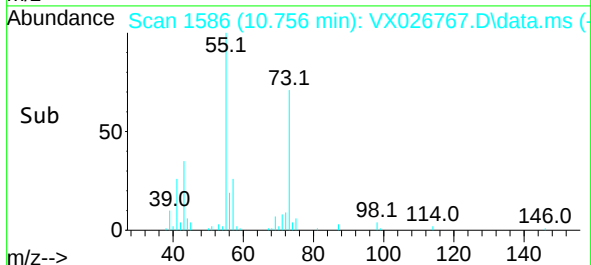
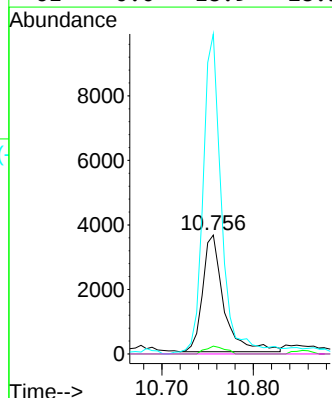
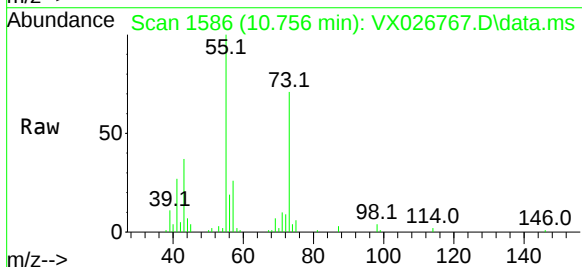
Instrument :
MSVOA_X
ClientSampleId :
34024

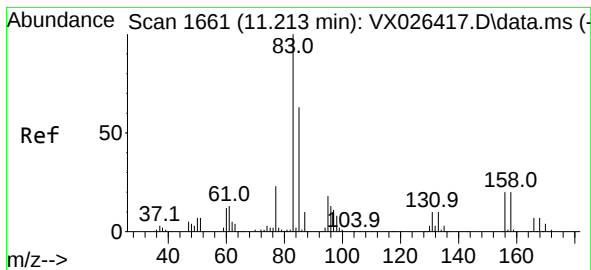
Tgt Ion:152 Resp: 81300
Ion Ratio Lower Upper
152 100
115 60.4 44.2 132.6
150 158.1 0.0 348.2



#74
N-ethyl acetate
Concen: 2.252 ug/l
RT: 10.756 min Scan# 1586
Delta R.T. -0.085 min
Lab File: VX026767.D
Acq: 03 Feb 2022 18:45

Tgt Ion: 43 Resp: 5793
Ion Ratio Lower Upper
43 100
70 6.2 32.9 49.3#
55 242.1 18.3 27.5#
61 0.0 18.9 28.3#

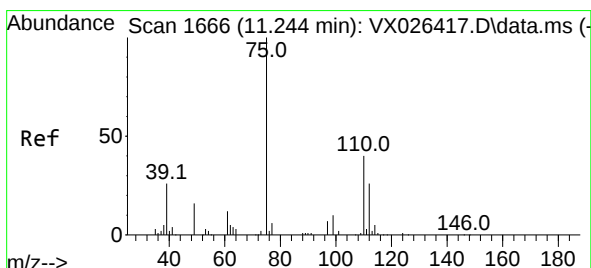
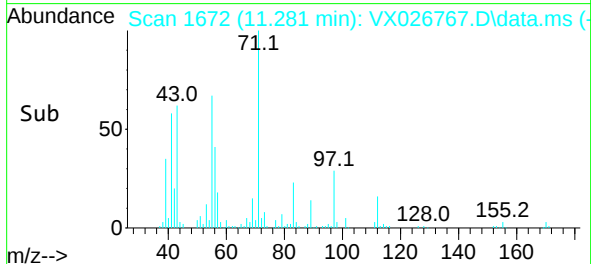
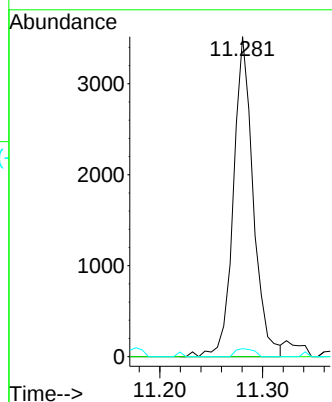
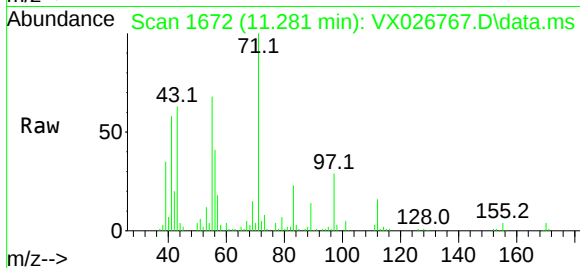




#75
 1,1,2,2-Tetrachloroethane
 Concen: 2.640 ug/l
 RT: 11.281 min Scan# 1639
 Delta R.T. 0.067 min
 Lab File: VX026767.D
 Acq: 03 Feb 2022 18:45

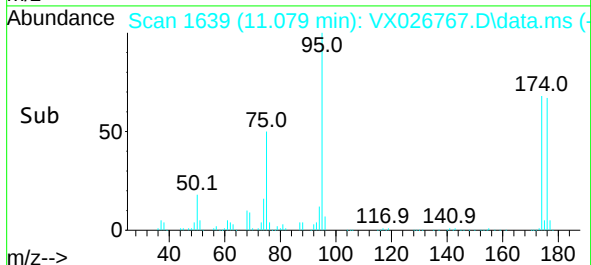
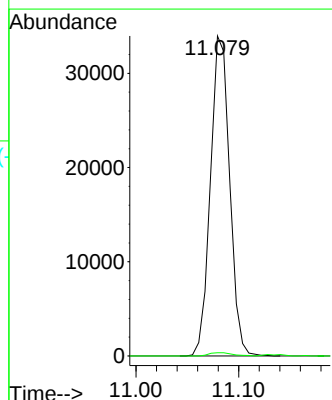
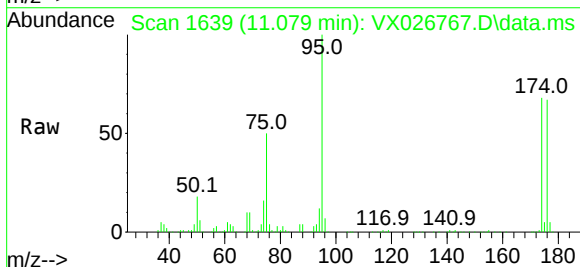
Instrument :
 MSVOA_X
 ClientSampleId :
 34024

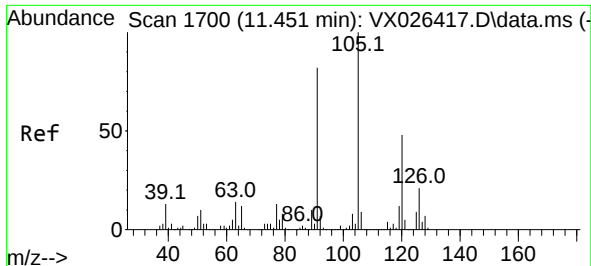
Tgt Ion: 83 Resp: 4723
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.3 15.9#
 85 0.0 32.0 96.2#



#76
 1,2,3-Trichloropropane
 Concen: 24.625 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.164 min
 Lab File: VX026767.D
 Acq: 03 Feb 2022 18:45

Tgt Ion: 75 Resp: 44080
 Ion Ratio Lower Upper
 75 100
 77 1.2 18.3 54.8#

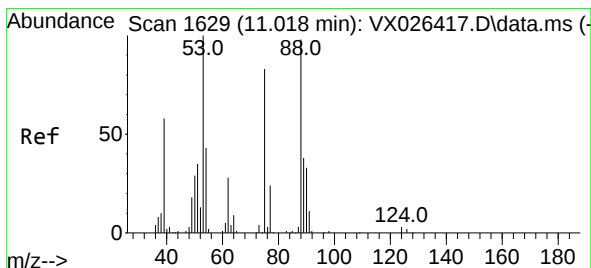
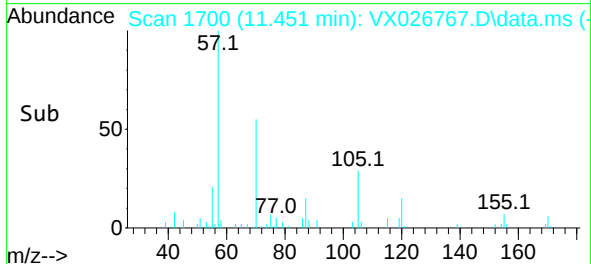
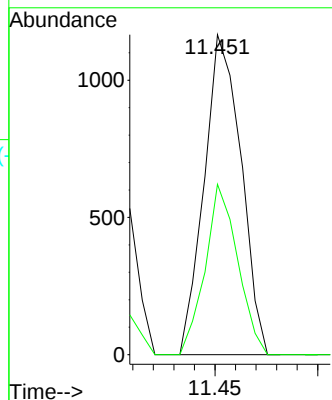
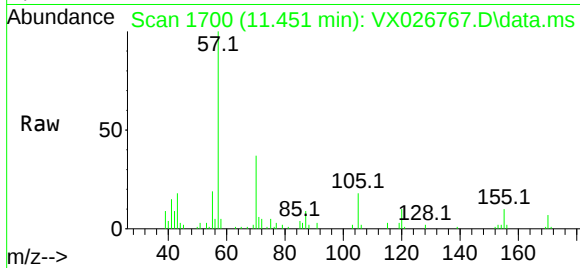




#80
1,3,5-Trimethylbenzene
Concen: 0.265 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026767.D
Acq: 03 Feb 2022 18:45

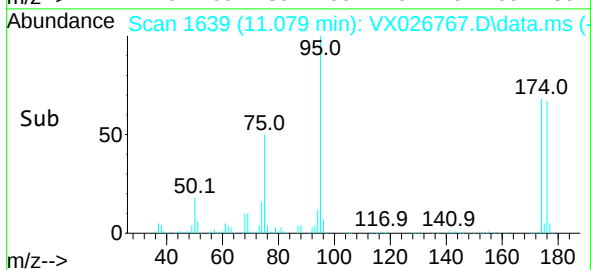
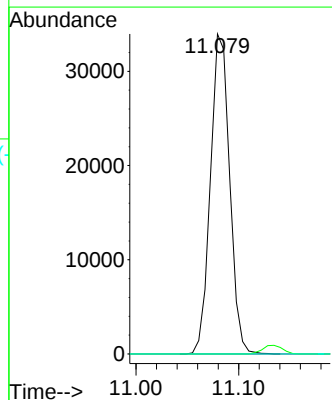
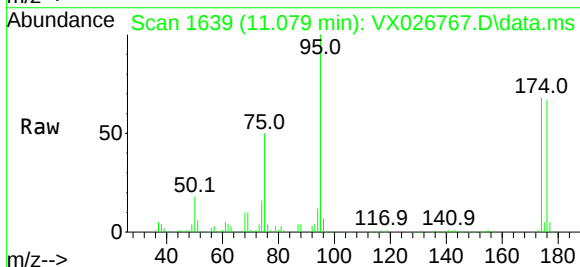
Instrument :
MSVOA_X
ClientSampleId :
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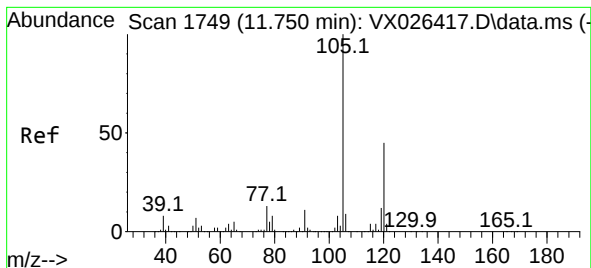
Tgt Ion:105 Resp: 1454
Ion Ratio Lower Upper
105 100
120 47.0 24.0 72.0



#81
trans-1,4-Dichloro-2-butene
Concen: 74.925 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX026767.D
Acq: 03 Feb 2022 18:45

Tgt Ion: 75 Resp: 44080
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#





#84

1,2,4-Trimethylbenzene

Concen: 1.182 ug/l

RT: 11.756 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX026767.D

Acq: 03 Feb 2022 18:45

Instrument :

MSVOA_X

ClientSampleId :

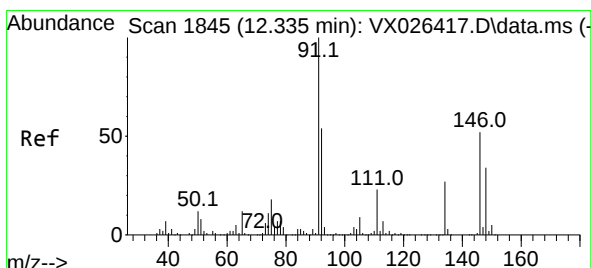
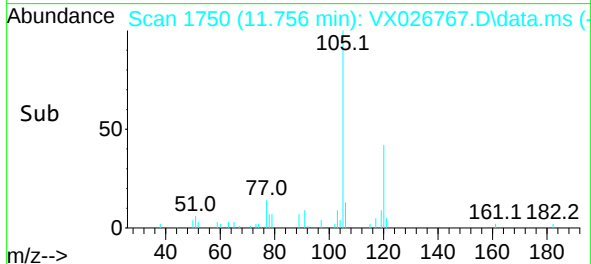
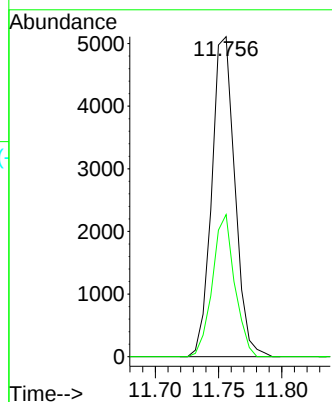
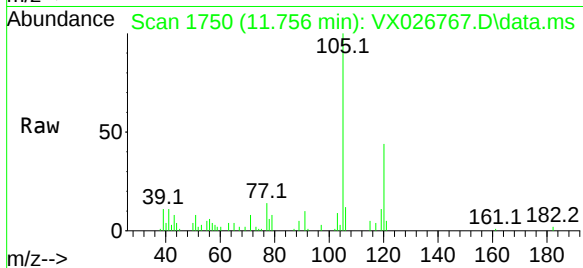
34024

Tgt Ion:105 Resp: 6496

Ion Ratio Lower Upper

105 100

120 42.7 21.9 65.5



#89

n-Butylbenzene

Concen: 0.268 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. -0.018 min

Lab File: VX026767.D

Acq: 03 Feb 2022 18:45

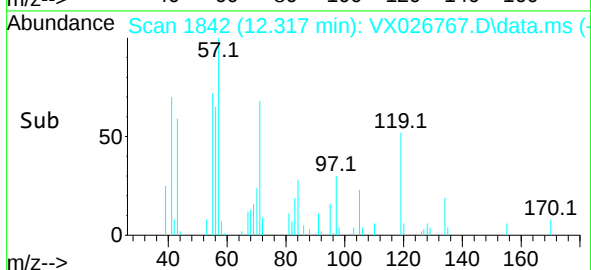
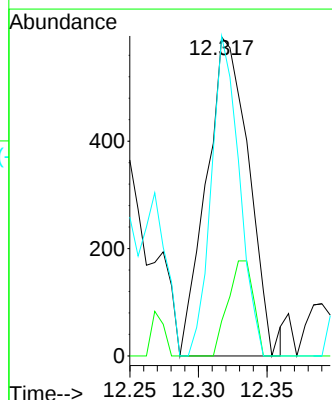
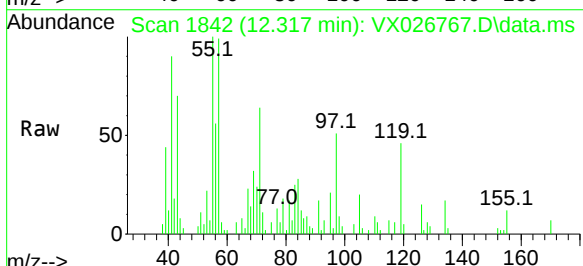
Tgt Ion: 91 Resp: 1279

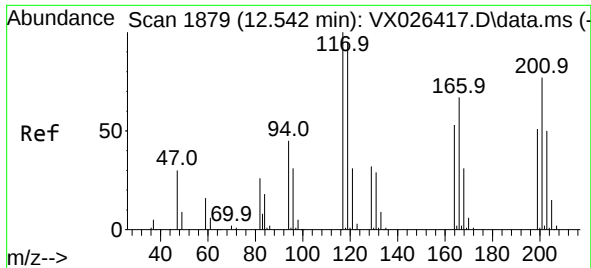
Ion Ratio Lower Upper

91 100

92 17.8 27.2 81.6#

134 66.2 13.1 39.1#

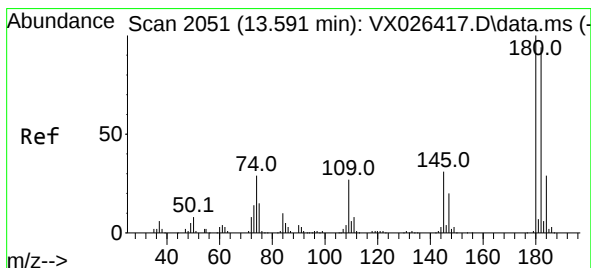
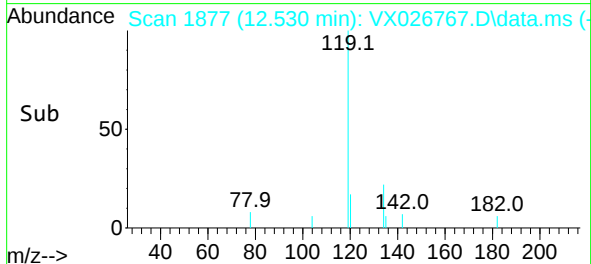
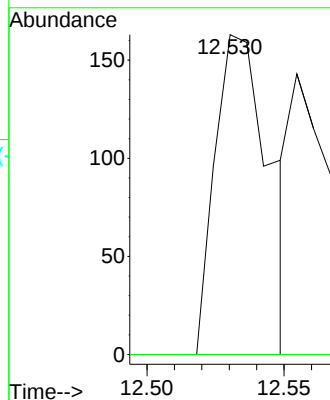
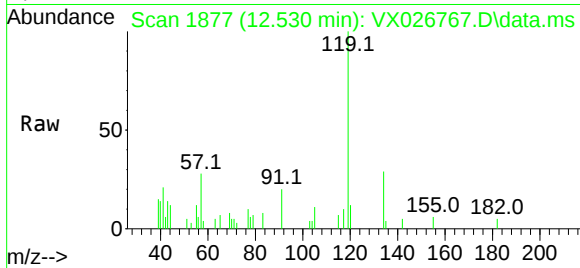




#90
Hexachloroethane
Concen: 2.408 ug/l
RT: 12.530 min Scan# 117
Delta R.T. -0.012 min
Lab File: VX026767.D
Acq: 03 Feb 2022 18:45

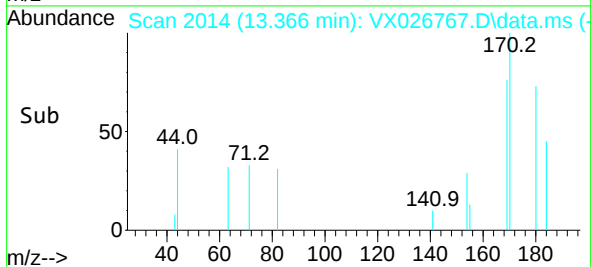
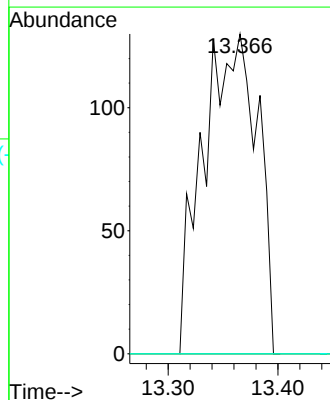
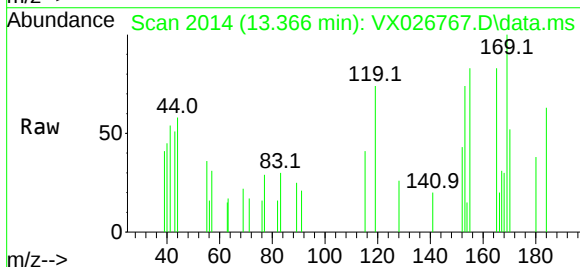
Instrument :
MSVOA_X
ClientSampleId :
34024

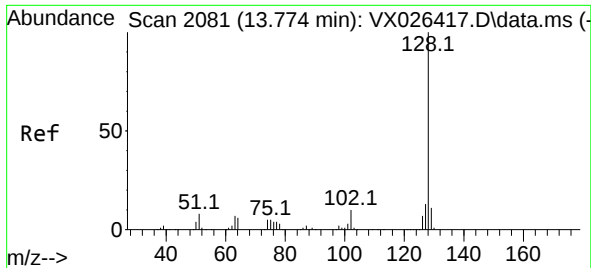
Tgt Ion:117 Resp: 224
Ion Ratio Lower Upper
117 100
201 0.0 35.6 106.8#



#93
1,2,4-Trichlorobenzene
Concen: 0.260 ug/l
RT: 13.366 min Scan# 2014
Delta R.T. -0.225 min
Lab File: VX026767.D
Acq: 03 Feb 2022 18:45

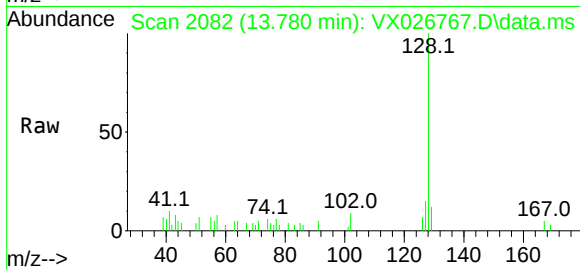
Tgt Ion:180 Resp: 450
Ion Ratio Lower Upper
180 100
182 0.0 46.7 140.0#
145 0.0 16.3 48.8#





#95
Naphthalene
Concen: 0.525 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX026767.D
Acq: 03 Feb 2022 18:45

Instrument :
MSVOA_X
ClientSampleId :
34024



Tgt Ion:128 Resp: 3036
Ion Ratio Lower Upper
128 100
127 16.8 10.3 15.5#
129 12.3 8.7 13.1

