

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123121\
 Data File : VX026181.D
 Acq On : 30 Dec 2021 20:16
 Operator : JC/MD
 Sample : M5254-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 361

Quant Time: Dec 31 07:11:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 30 08:02:21 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	135858	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	235868	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	210750	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89452	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	104325	53.079	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.160%	
35) Dibromofluoromethane	5.397	113	79668	51.953	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.900%	
50) Toluene-d8	8.653	98	284951	49.957	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.920%	
62) 4-Bromofluorobenzene	11.085	95	95520	47.042	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.080%	
Target Compounds						Qvalue
5) Bromomethane	1.618	94	216	0.200	ug/l	93
11) Tert butyl alcohol	2.953	59	2510	6.394	ug/l #	73
16) Acetone	2.386	43	8421	7.908	ug/l	91
17) Carbon Disulfide	2.514	76	896	0.208	ug/l #	75
18) Methyl Acetate	2.703	43	964	0.279	ug/l #	65
20) Methylene Chloride	2.794	84	6056	2.662	ug/l	92
25) 2-Butanone	4.568	43	4133	2.786	ug/l	100
29) Tetrahydrofuran	5.032	42	529	0.566	ug/l #	37
31) Cyclohexane	5.556	56	3739	1.336	ug/l #	35
36) 1,1-Dichloropropene	5.562	75	12105	4.894	ug/l #	49
38) Carbon Tetrachloride	5.562	117	14503	5.272	ug/l #	17
43) Isopropyl Acetate	6.349	43	15577	3.333	ug/l	94
48) Methyl methacrylate	7.598	41	5160	2.302	ug/l #	12
49) 1,4-Dioxane	7.806	88	79	1.912	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	55894	19.217	ug/l #	49
54) cis-1,3-Dichloropropene	8.555	75	22140	7.688	ug/l #	70
56) Ethyl methacrylate	9.348	69	688	0.250	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	13134	4.293	ug/l #	42
59) 2-Hexanone	9.488	43	203729	92.470	ug/l #	50
74) N-amyl acetate	10.775	43	725	0.227	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	54157	25.082	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	54157	72.564	ug/l #	10

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

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Quant Title : SW846 8260
QLast Update : Thu Dec 30 08:02:21 2021
Response via : Initial Calibration

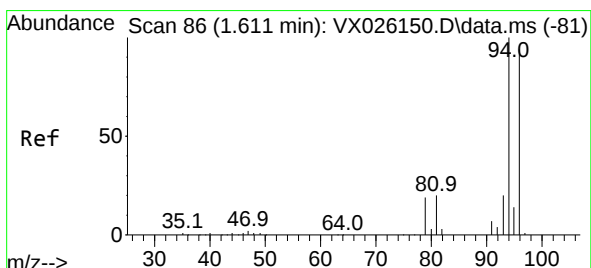
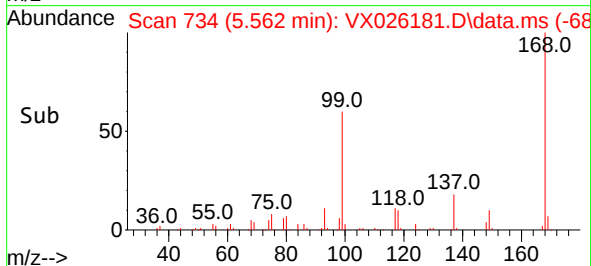
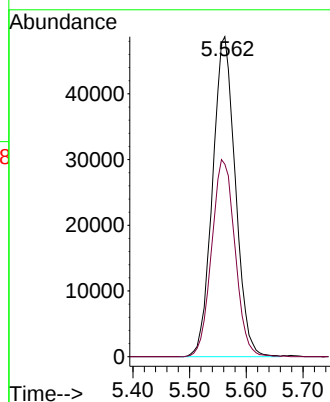
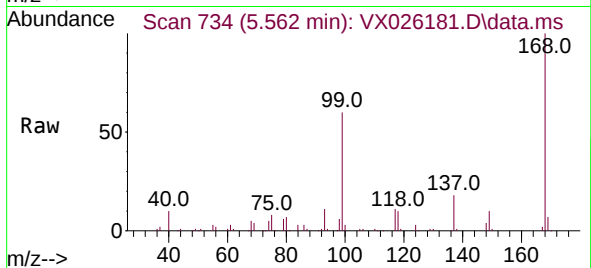




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026181.D
Acq: 30 Dec 2021 20:16

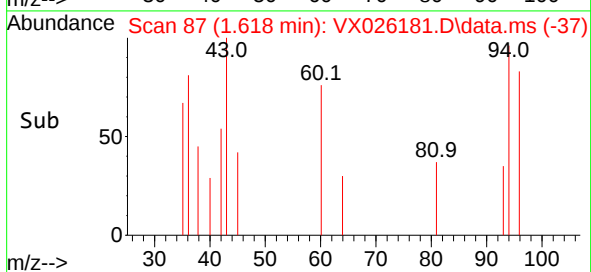
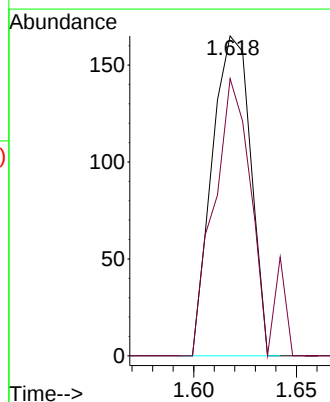
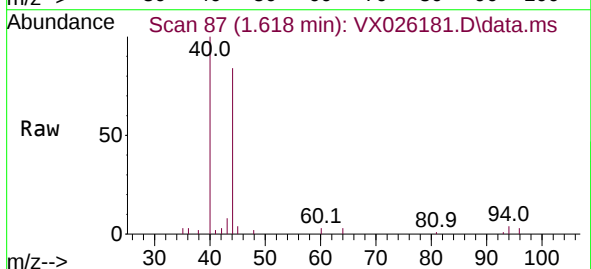
Instrument :
MSVOA_X
ClientSampleId :
361

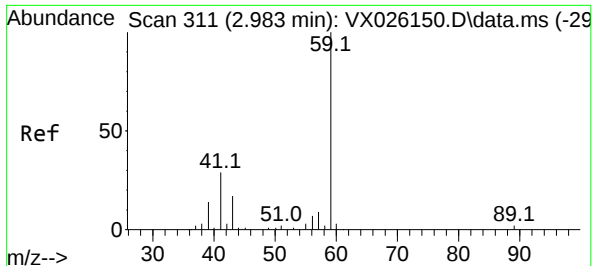
Tgt Ion:168 Resp: 135858
Ion Ratio Lower Upper
168 100
99 60.1 45.8 68.8



#5
Bromomethane
Concen: 0.200 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.007 min
Lab File: VX026181.D
Acq: 30 Dec 2021 20:16

Tgt Ion: 94 Resp: 216
Ion Ratio Lower Upper
94 100
96 86.7 75.0 112.4





#11

Tert butyl alcohol

Concen: 6.394 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.030 min

Lab File: VX026181.D

Acq: 30 Dec 2021 20:16

Instrument :

MSVOA_X

ClientSampleId :

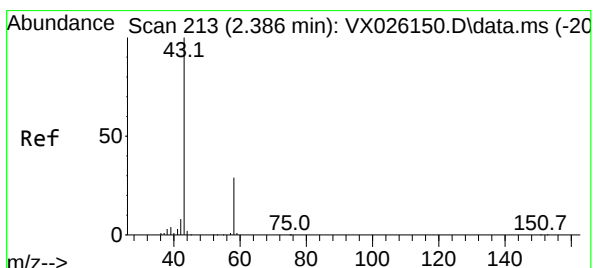
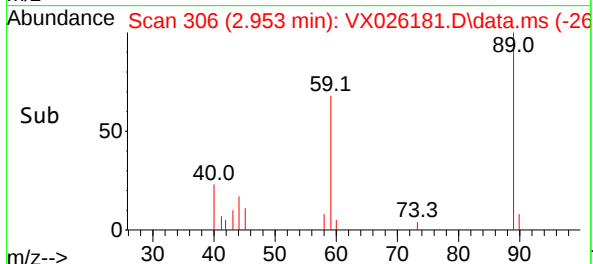
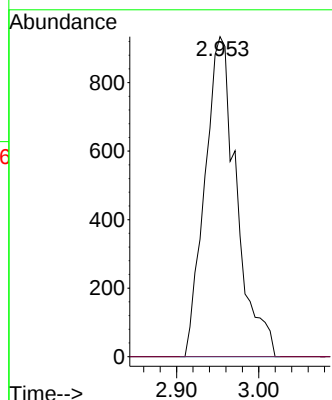
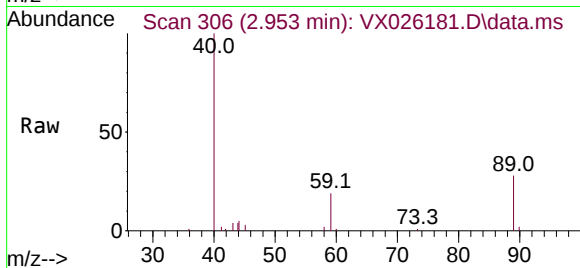
361

Tgt Ion: 59 Resp: 2510

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#16

Acetone

Concen: 7.908 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX026181.D

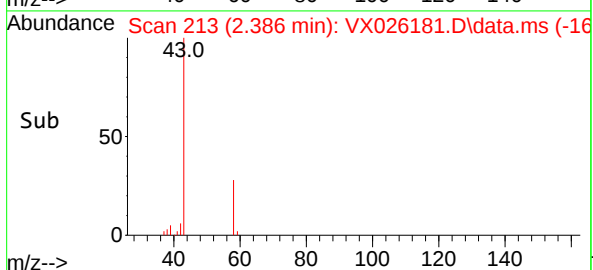
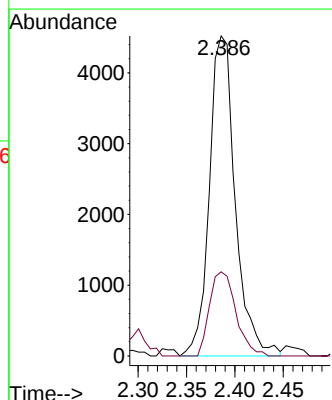
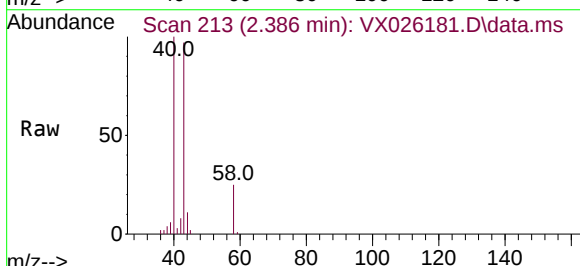
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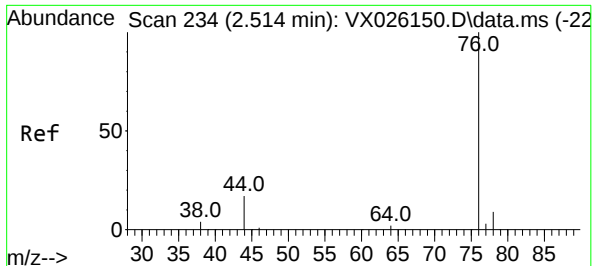
Tgt Ion: 43 Resp: 8421

Ion Ratio Lower Upper

43 100

58 26.3 24.8 37.2

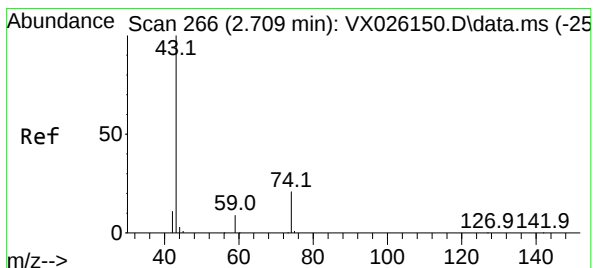
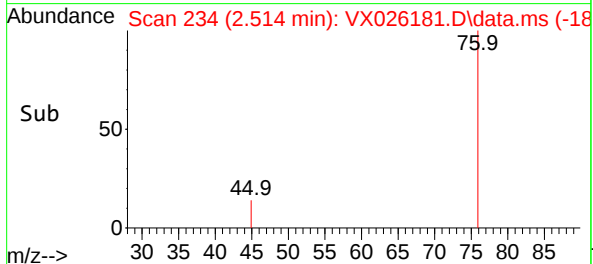
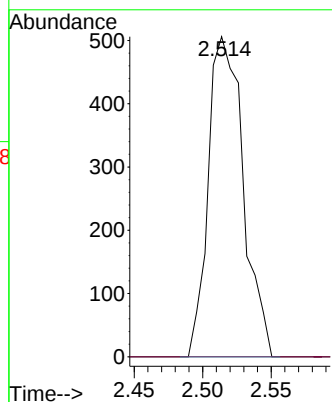
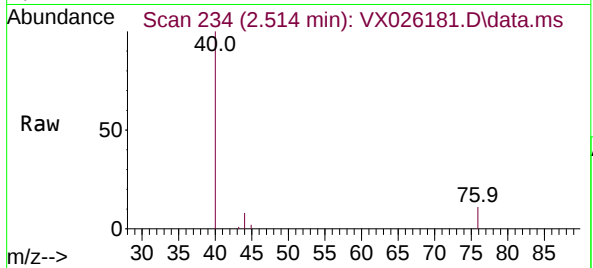




#17
Carbon Disulfide
Concen: 0.208 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX026181.D
Acq: 30 Dec 2021 20:16

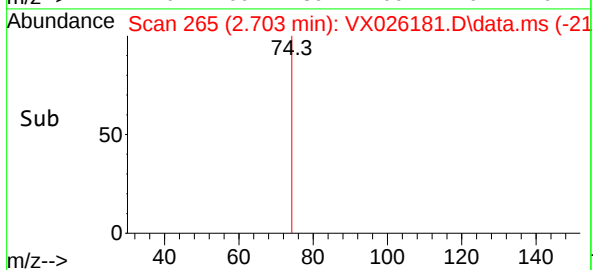
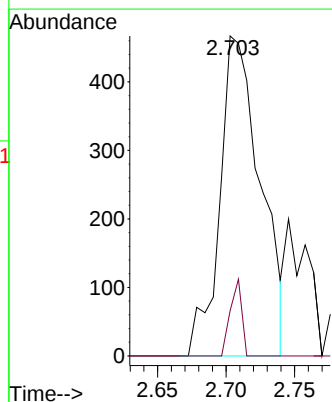
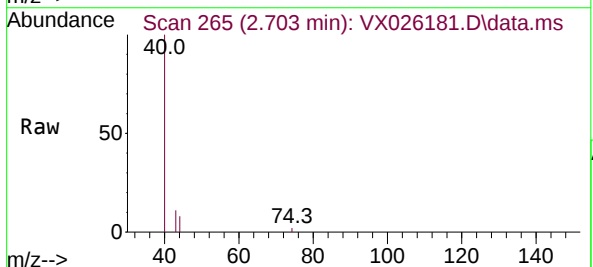
Instrument :
MSVOA_X
ClientSampleId :
361

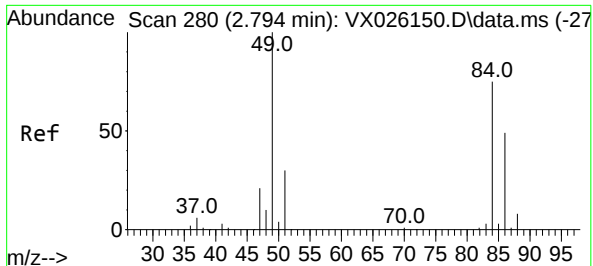
Tgt Ion: 76 Resp: 896
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.279 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX026181.D
Acq: 30 Dec 2021 20:16

Tgt Ion: 43 Resp: 964
Ion Ratio Lower Upper
43 100
74 6.7 19.1 28.7#

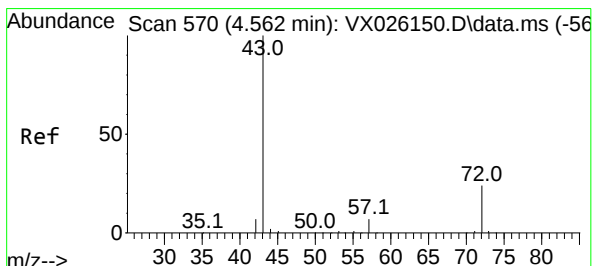
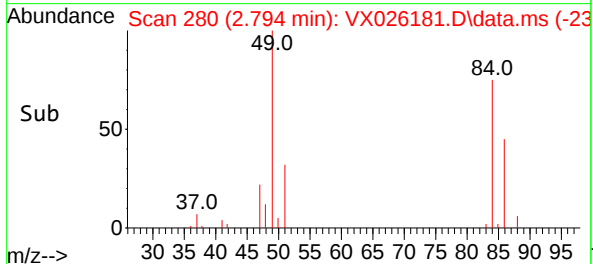
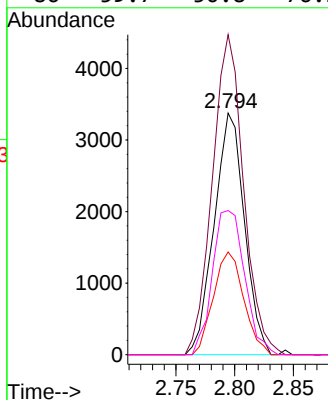
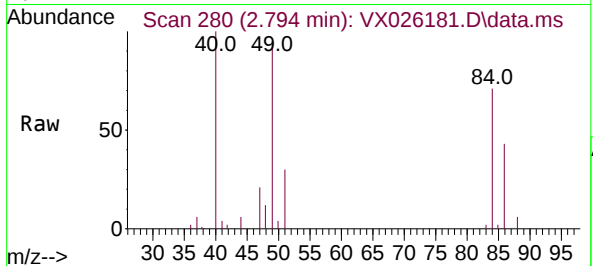




#20
Methylene Chloride
Concen: 2.662 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX026181.D
Acq: 30 Dec 2021 20:16

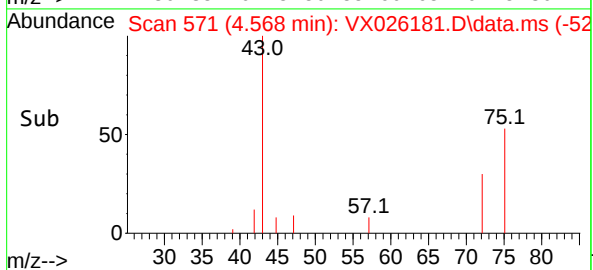
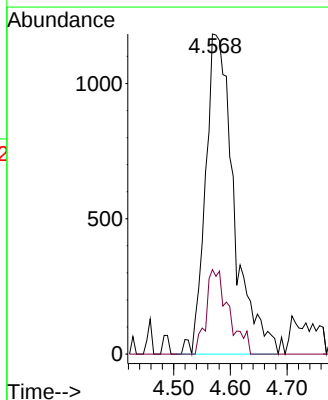
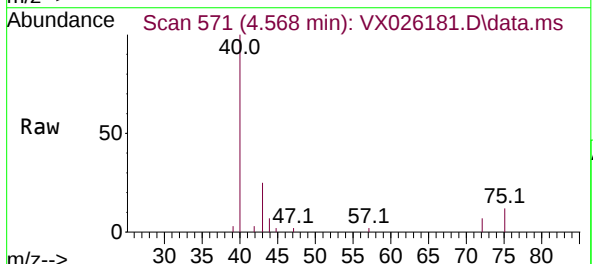
Instrument :
MSVOA_X
ClientSampleId :
361

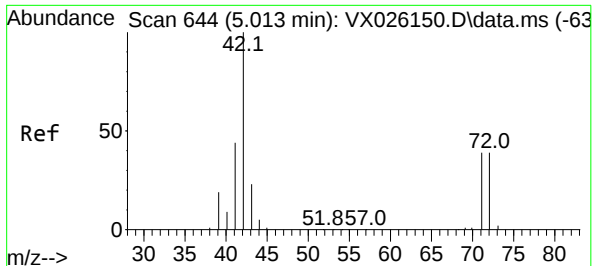
Tgt Ion:	84	Resp:	6056
Ion	Ratio	Lower	Upper
84	100		
49	132.5	97.1	145.7
51	42.5	29.3	43.9
86	59.7	50.8	76.2



#25
2-Butanone
Concen: 2.786 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX026181.D
Acq: 30 Dec 2021 20:16

Tgt Ion:	43	Resp:	4133
Ion	Ratio	Lower	Upper
43	100		
72	26.4	21.0	31.4





#29

Tetrahydrofuran

Concen: 0.566 ug/l

RT: 5.032 min Scan# 644

Delta R.T. 0.019 min

Lab File: VX026181.D

Acq: 30 Dec 2021 20:16

Instrument :

MSVOA_X

ClientSampleId :

361

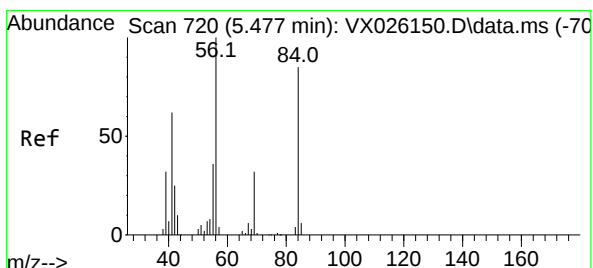
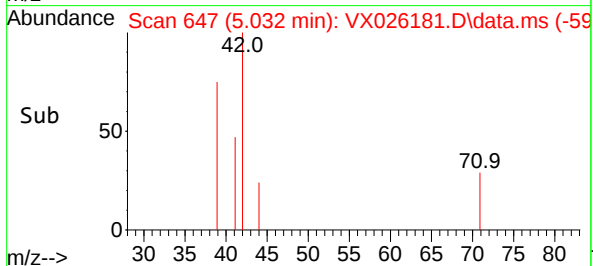
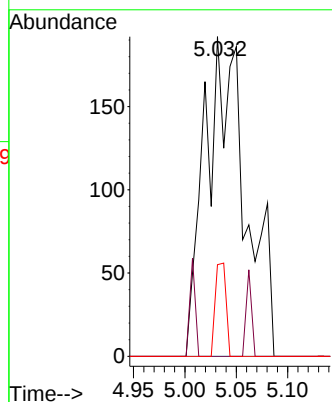
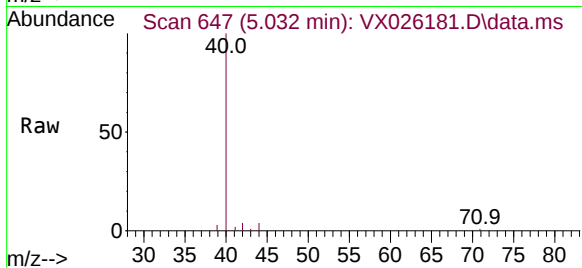
Tgt Ion: 42 Resp: 529

Ion Ratio Lower Upper

42 100

72 0.0 37.0 55.6#

71 7.8 34.1 51.1#



#31

Cyclohexane

Concen: 1.336 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX026181.D

Acq: 30 Dec 2021 20:16

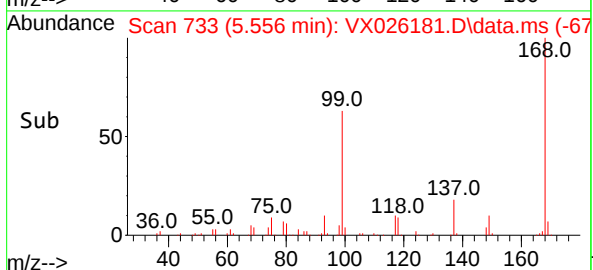
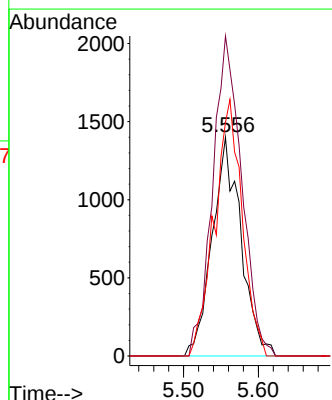
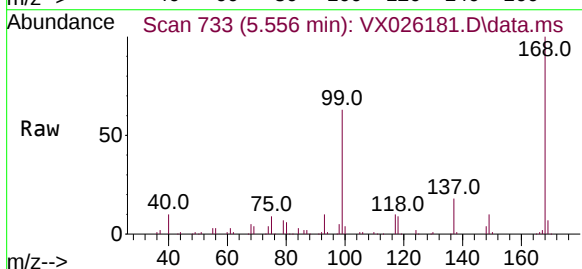
Tgt Ion: 56 Resp: 3739

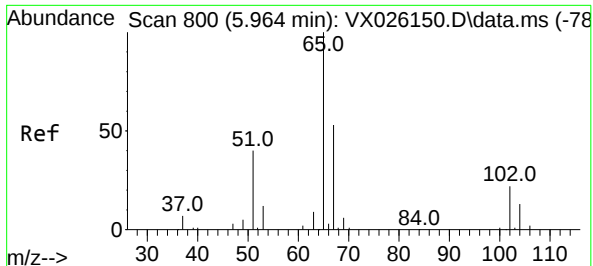
Ion Ratio Lower Upper

56 100

69 146.3 23.9 35.9#

84 106.7 73.2 109.8





#33

1,2-Dichloroethane-d4

Concen: 53.079 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX026181.D

Acq: 30 Dec 2021 20:16

Instrument :

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ClientSampleId :

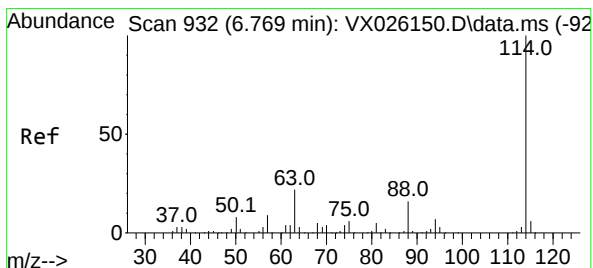
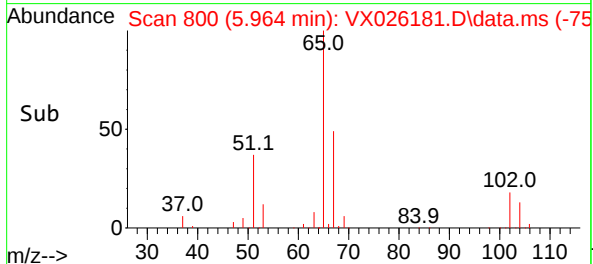
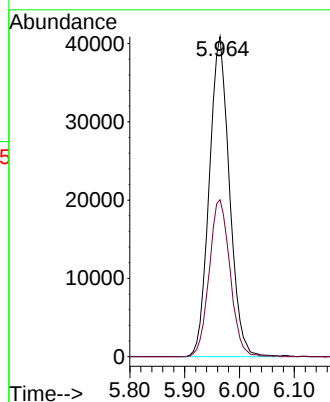
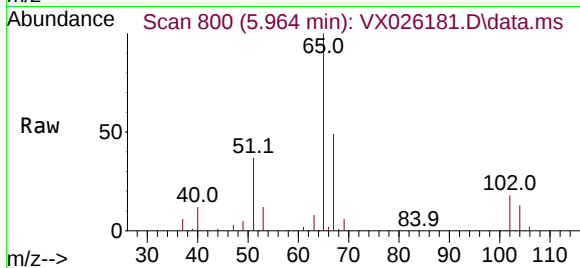
361

Tgt Ion: 65 Resp: 104325

Ion Ratio Lower Upper

65 100

67 50.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX026181.D

Acq: 30 Dec 2021 20:16

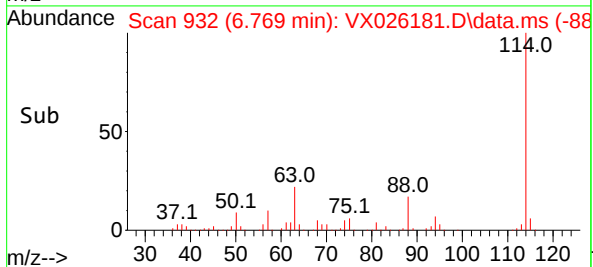
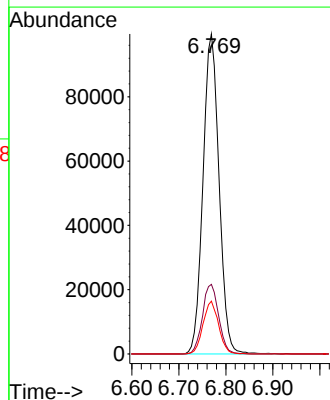
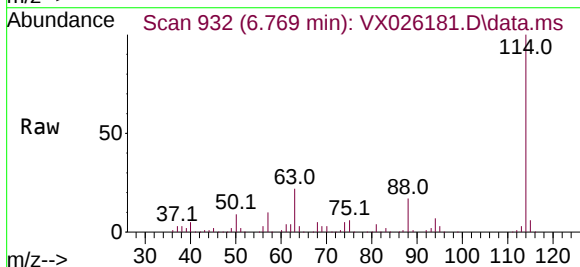
Tgt Ion: 114 Resp: 235868

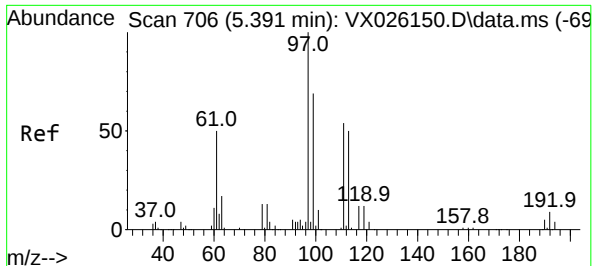
Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.0

88 16.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.953 ug/l

RT: 5.397 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX026181.D

Acq: 30 Dec 2021 20:16

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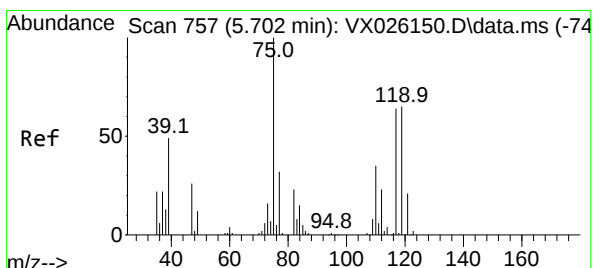
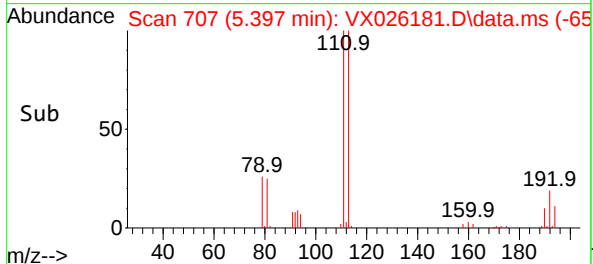
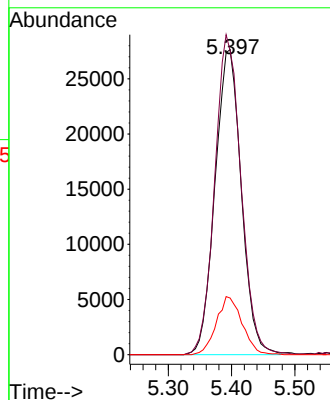
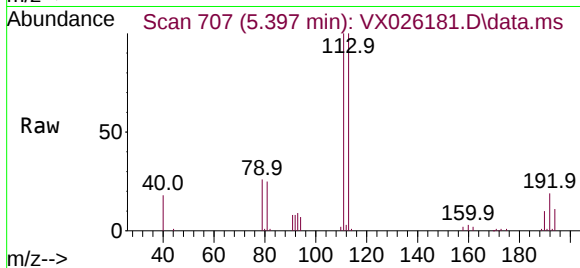
Tgt Ion:113 Resp: 79668

Ion Ratio Lower Upper

113 100

111 104.8 81.8 122.8

192 18.7 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.894 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX026181.D

Acq: 30 Dec 2021 20:16

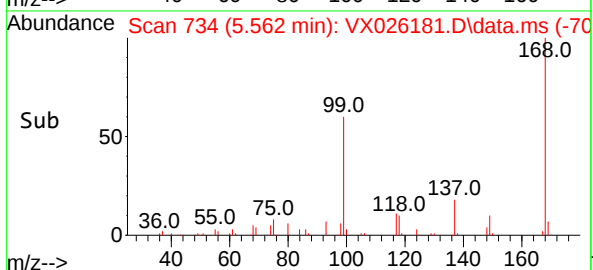
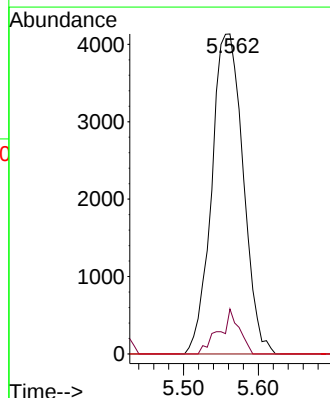
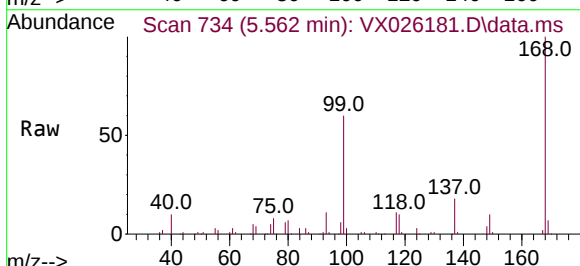
Tgt Ion: 75 Resp: 12105

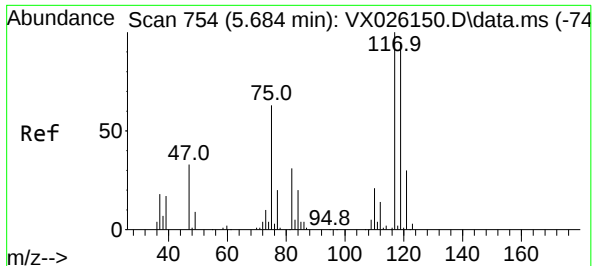
Ion Ratio Lower Upper

75 100

110 8.9 18.2 54.6#

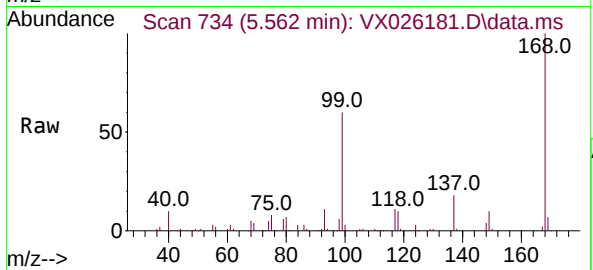
77 0.0 24.7 37.1#



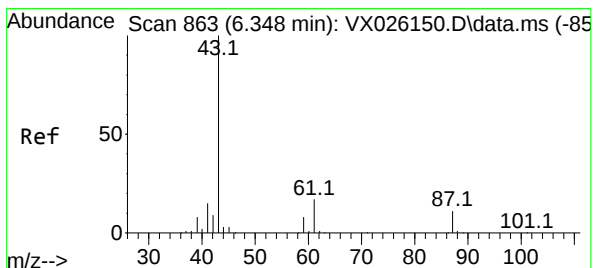
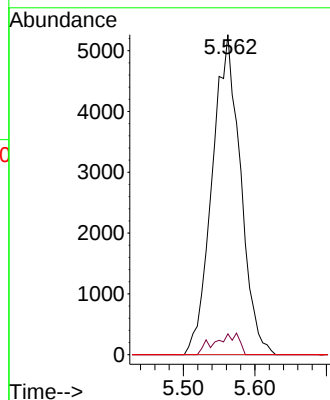
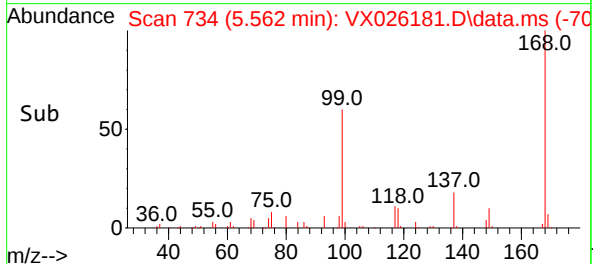


#38
Carbon Tetrachloride
Concen: 5.272 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX026181.D
Acq: 30 Dec 2021 20:16

Instrument :
MSVOA_X
ClientSampleId :
361

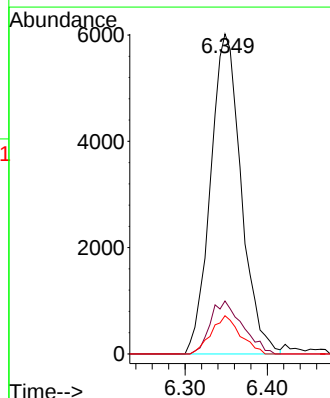
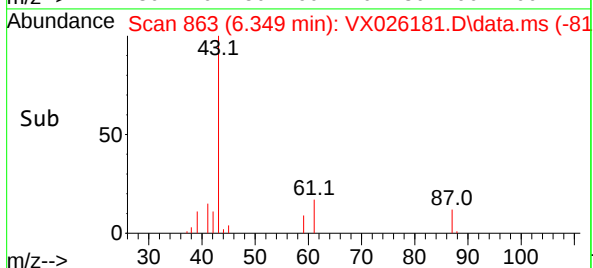
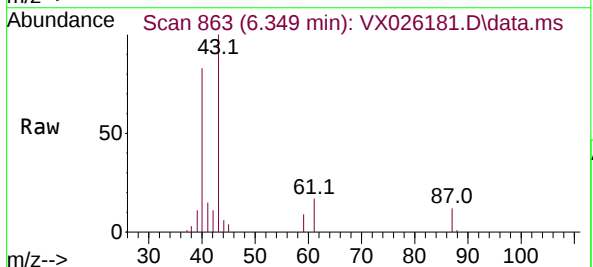


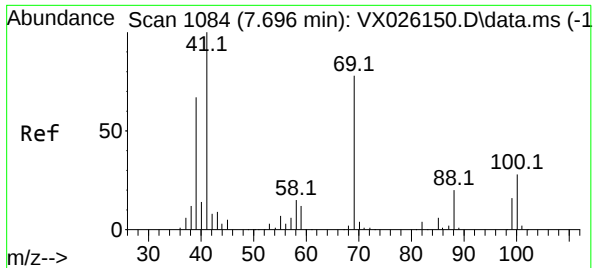
Tgt Ion:117 Resp: 14503
Ion Ratio Lower Upper
117 100
119 6.5 77.2 115.8#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 3.333 ug/l
RT: 6.349 min Scan# 863
Delta R.T. 0.001 min
Lab File: VX026181.D
Acq: 30 Dec 2021 20:16

Tgt Ion: 43 Resp: 15577
Ion Ratio Lower Upper
43 100
61 17.3 15.7 23.5
87 11.3 11.2 16.8

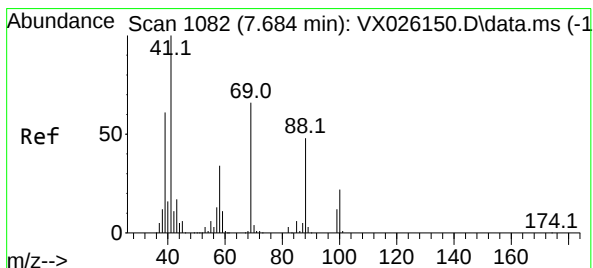
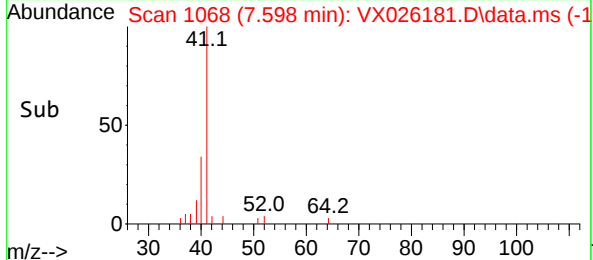
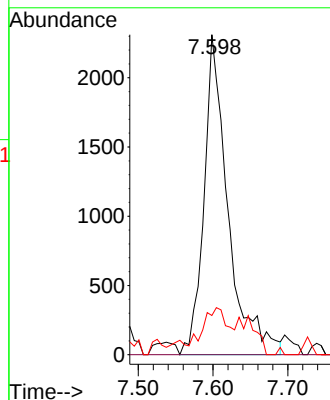
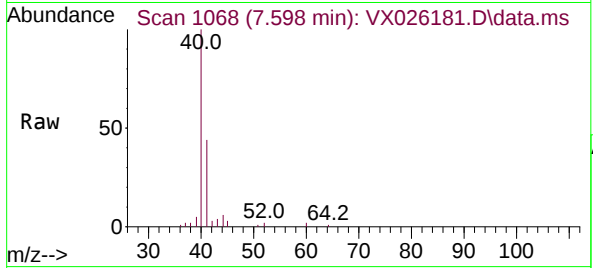




#48
Methyl methacrylate
Concen: 2.302 ug/l
RT: 7.598 min Scan# 1102
Delta R.T. -0.098 min
Lab File: VX026181.D
Acq: 30 Dec 2021 20:16

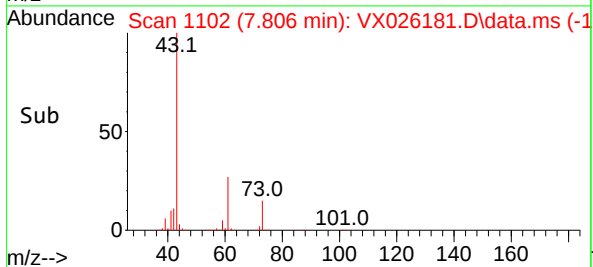
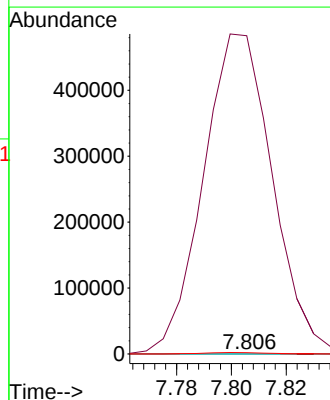
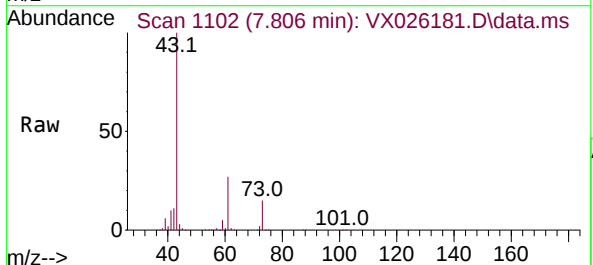
Instrument :
MSVOA_X
ClientSampleId :
361

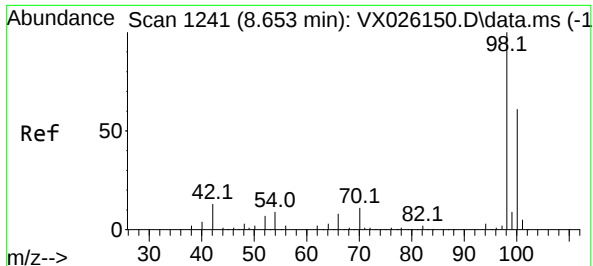
Tgt Ion: 41 Resp: 5160
Ion Ratio Lower Upper
41 100
69 0.0 67.3 100.9#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 1.912 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.122 min
Lab File: VX026181.D
Acq: 30 Dec 2021 20:16

Tgt Ion: 88 Resp: 79
Ion Ratio Lower Upper
88 100
43 1088536.7 25.3 37.9#
58 4546.8 51.8 77.6#

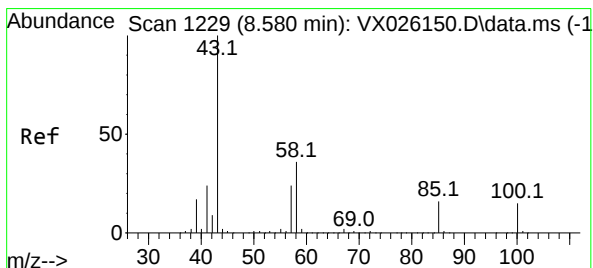
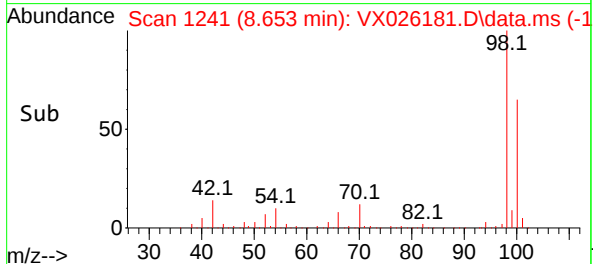
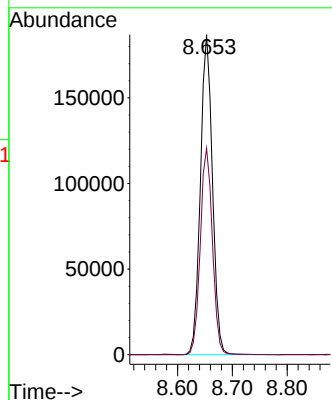
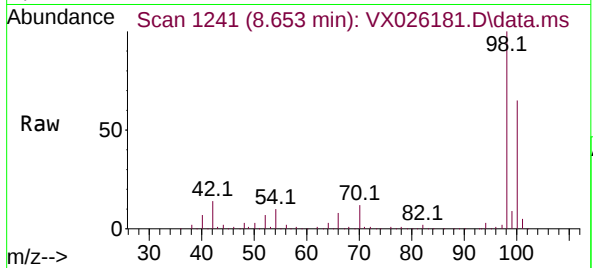




#50
Toluene-d8
Concen: 49.957 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026181.D
Acq: 30 Dec 2021 20:16

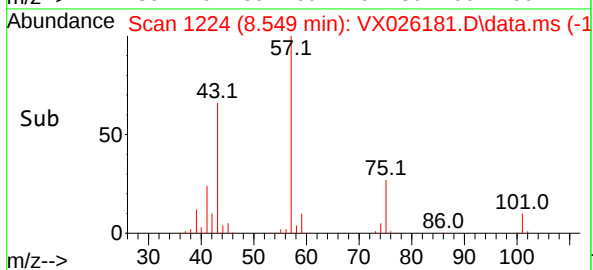
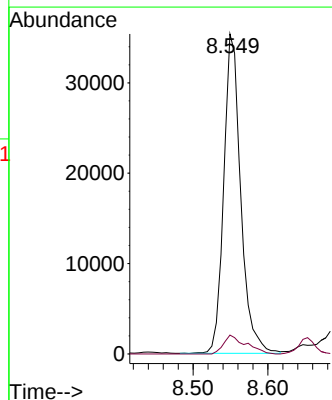
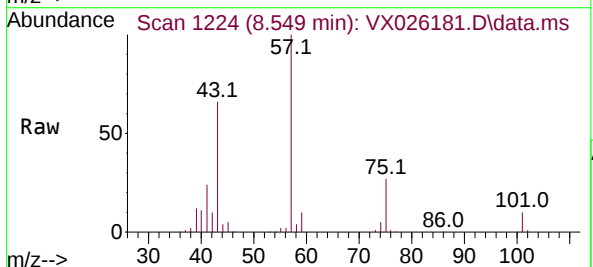
Instrument :
MSVOA_X
ClientSampleId :
361

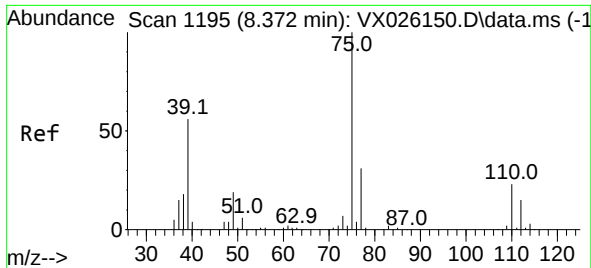
Tgt Ion: 98 Resp: 284951
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 19.217 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX026181.D
Acq: 30 Dec 2021 20:16

Tgt Ion: 43 Resp: 55894
Ion Ratio Lower Upper
43 100
58 7.7 30.8 46.2#

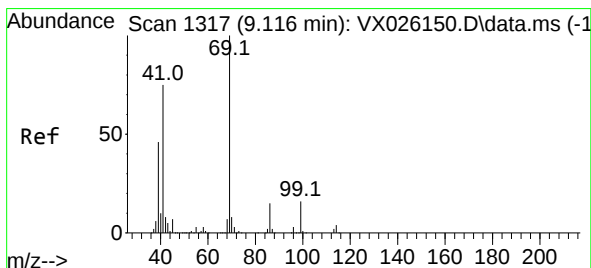
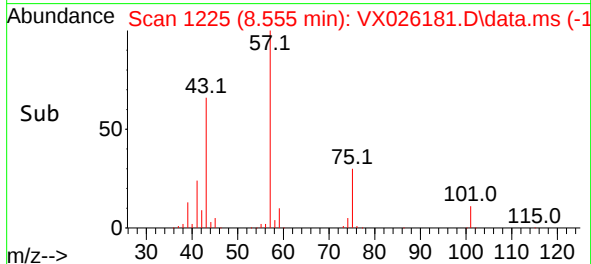
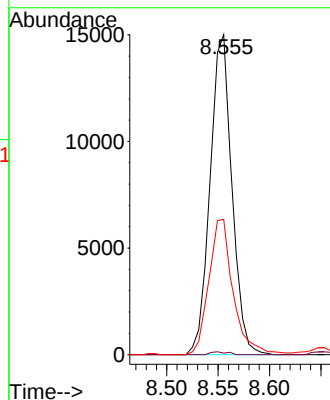
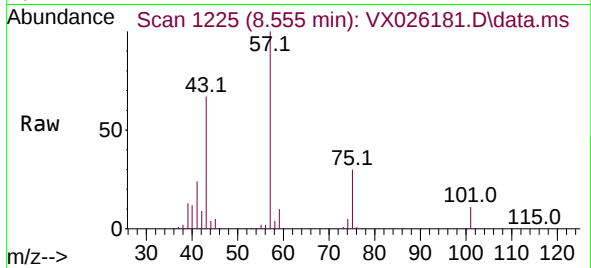




#54
cis-1,3-Dichloropropene
Concen: 7.688 ug/l
RT: 8.555 min Scan# 1195
Delta R.T. 0.183 min
Lab File: VX026181.D
Acq: 30 Dec 2021 20:16

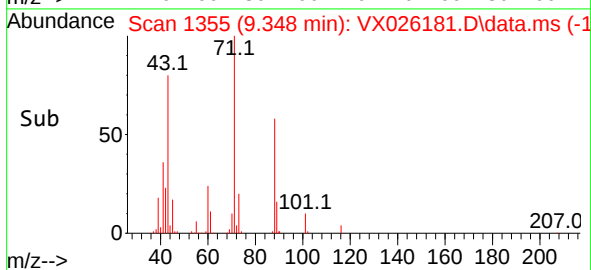
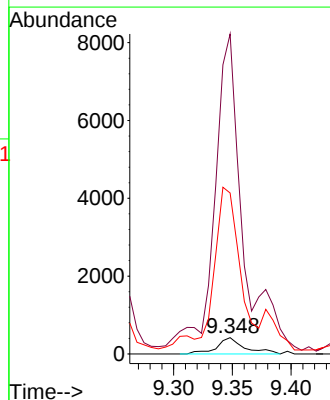
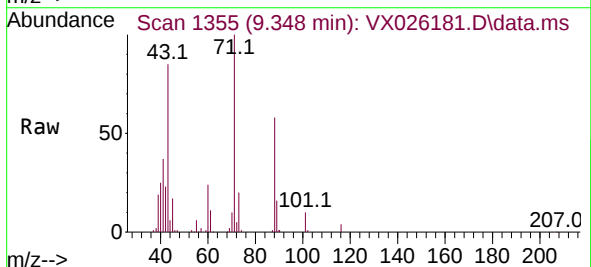
Instrument :
MSVOA_X
ClientSampleId :
361

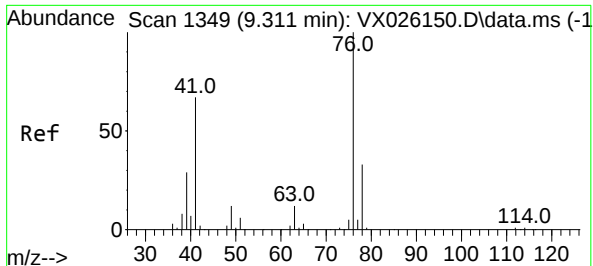
Tgt Ion: 75 Resp: 22140
Ion Ratio Lower Upper
75 100
77 0.5 25.3 37.9#
39 42.3 41.4 62.0



#56
Ethyl methacrylate
Concen: 0.250 ug/l
RT: 9.348 min Scan# 1355
Delta R.T. 0.232 min
Lab File: VX026181.D
Acq: 30 Dec 2021 20:16

Tgt Ion: 69 Resp: 688
Ion Ratio Lower Upper
69 100
41 1866.6 52.8 79.2#
39 944.8 32.5 48.7#





#57

1,3-Dichloropropane

Concen: 4.293 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX026181.D

Acq: 30 Dec 2021 20:16

Instrument :

MSVOA_X

ClientSampleId :

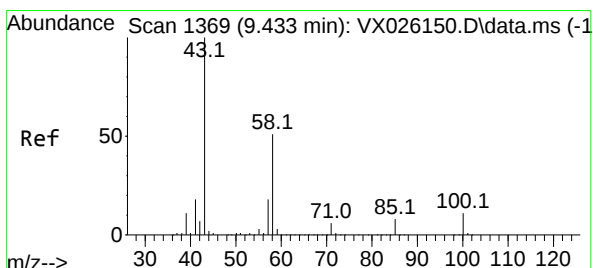
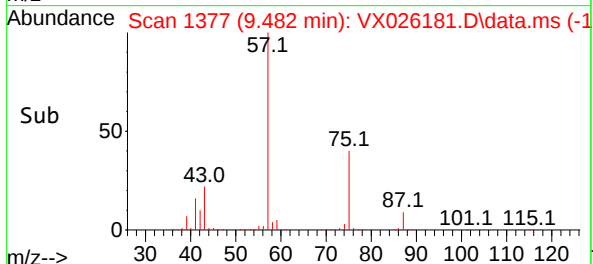
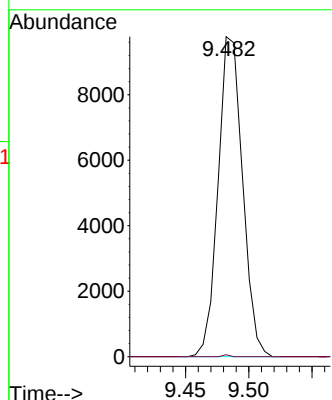
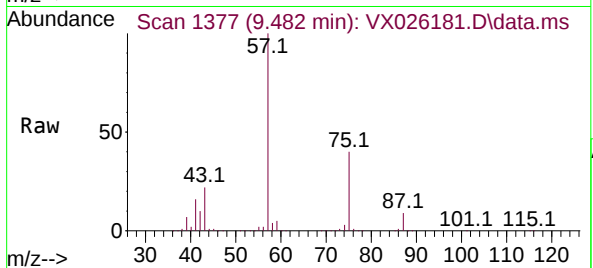
361

Tgt Ion: 76 Resp: 13134

Ion Ratio Lower Upper

76 100

78 0.2 26.0 39.0#



#59

2-Hexanone

Concen: 92.470 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.055 min

Lab File: VX026181.D

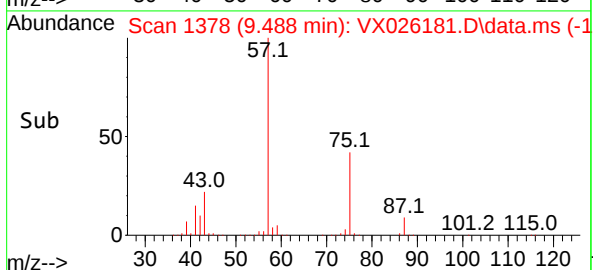
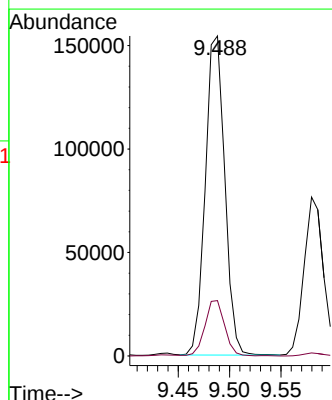
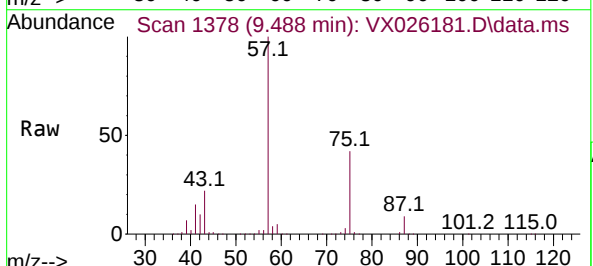
Acq: 30 Dec 2021 20:16

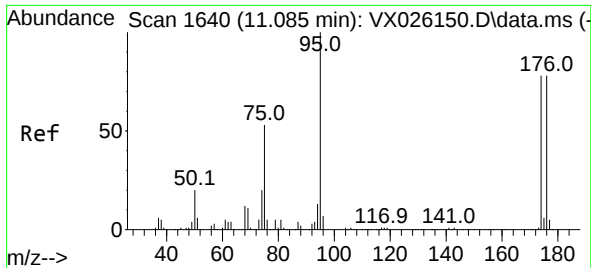
Tgt Ion: 43 Resp: 203729

Ion Ratio Lower Upper

43 100

58 17.7 26.9 80.6#

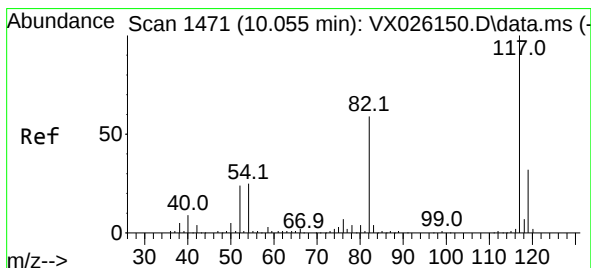
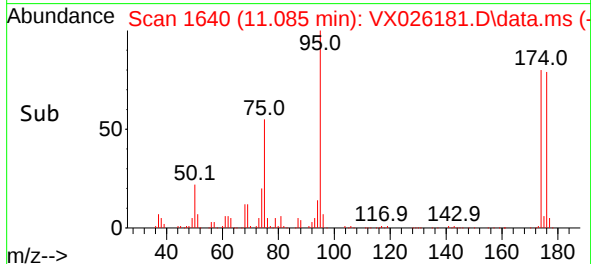
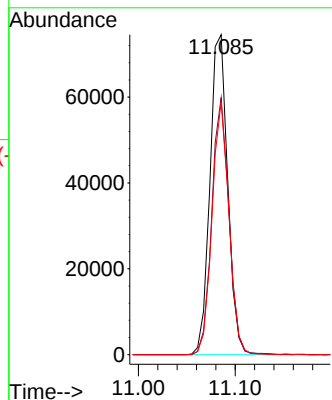
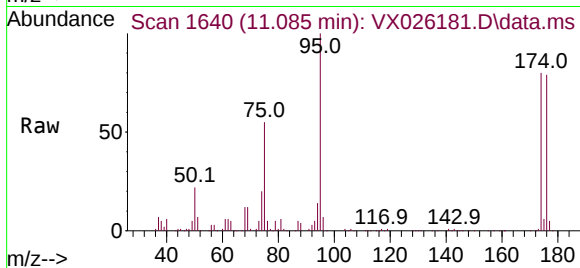




#62
4-Bromofluorobenzene
Concen: 47.042 ug/l
RT: 11.085 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026181.D
Acq: 30 Dec 2021 20:16

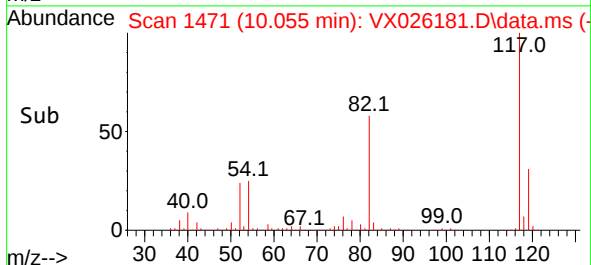
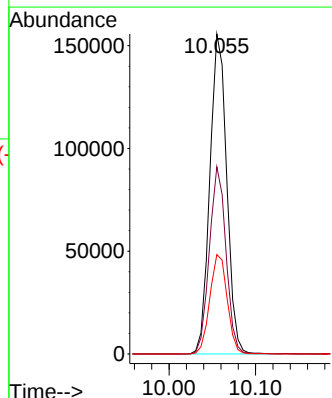
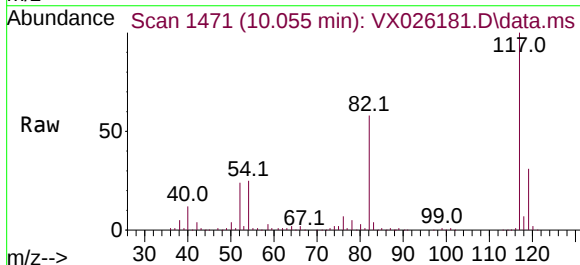
Instrument :
MSVOA_X
ClientSampleId :
361

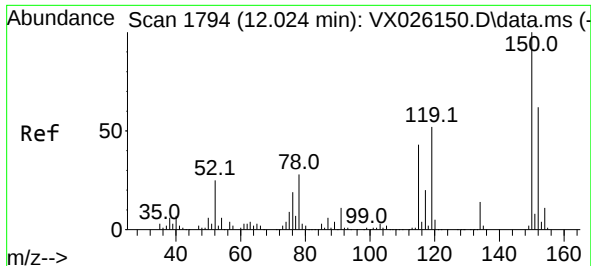
Tgt Ion: 95 Resp: 95520
Ion Ratio Lower Upper
95 100
174 77.2 0.0 157.4
176 74.8 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026181.D
Acq: 30 Dec 2021 20:16

Tgt Ion: 117 Resp: 210750
Ion Ratio Lower Upper
117 100
82 58.5 43.8 65.6
119 31.0 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX026181.D

Acq: 30 Dec 2021 20:16

Instrument :

MSVOA_X

ClientSampleId :

361

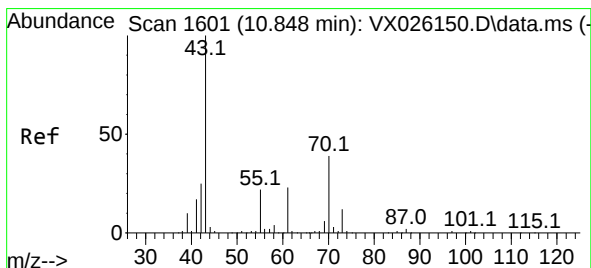
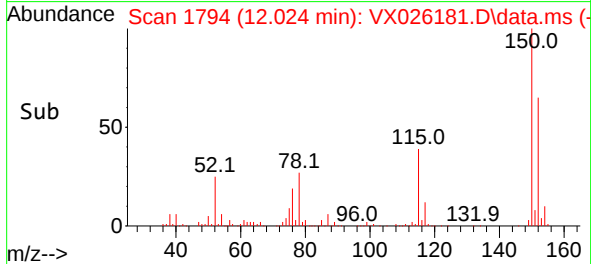
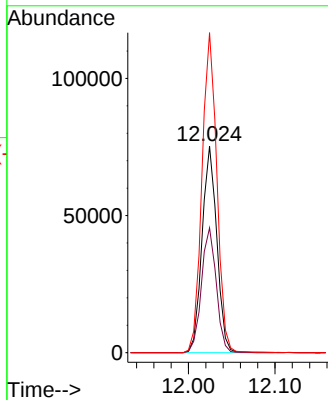
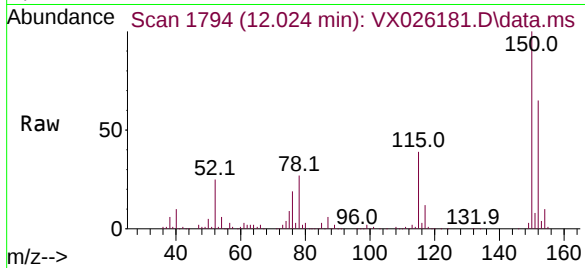
Tgt Ion:152 Resp: 89452

Ion Ratio Lower Upper

152 100

115 60.3 41.3 123.9

150 155.5 0.0 351.8



#74

N-ethyl acetate

Concen: 0.227 ug/l

RT: 10.775 min Scan# 1589

Delta R.T. -0.073 min

Lab File: VX026181.D

Acq: 30 Dec 2021 20:16

Tgt Ion: 43 Resp: 725

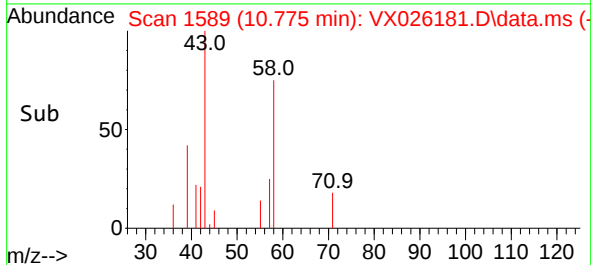
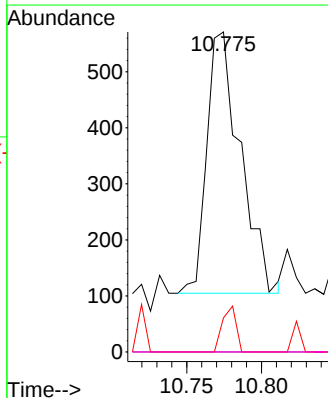
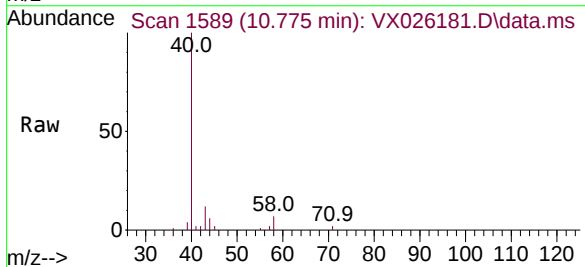
Ion Ratio Lower Upper

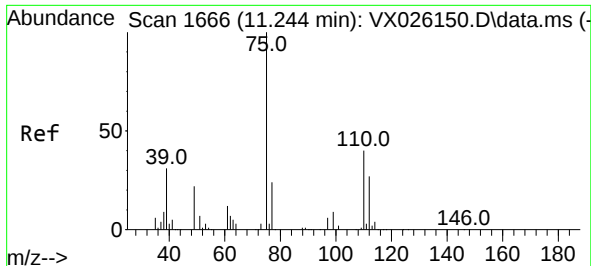
43 100

70 0.0 34.1 51.1#

55 7.2 19.2 28.8#

61 0.0 19.0 28.4#

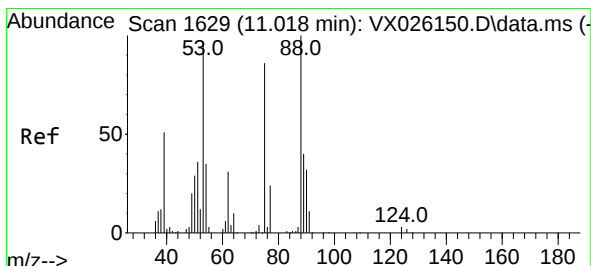
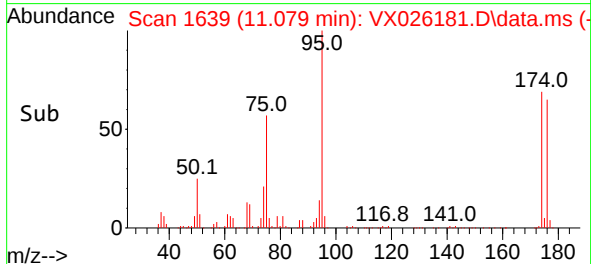
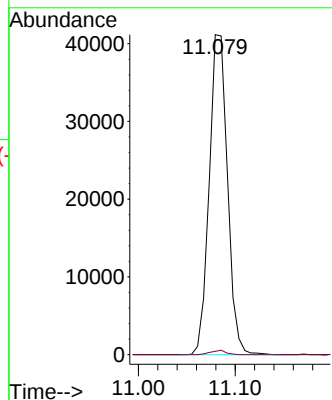
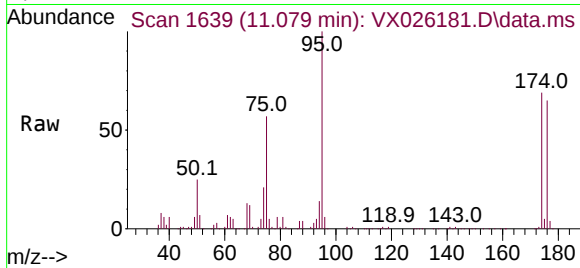




#76
1,2,3-Trichloropropane
Concen: 25.082 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX026181.D
Acq: 30 Dec 2021 20:16

Instrument :
MSVOA_X
ClientSampleId :
361

Tgt Ion: 75 Resp: 54157
Ion Ratio Lower Upper
75 100
77 1.2 19.0 57.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.564 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX026181.D
Acq: 30 Dec 2021 20:16

Tgt Ion: 75 Resp: 54157
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#

