

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112321\
 Data File : VX025286.D
 Acq On : 23 Nov 2021 19:48
 Operator : JC/MD
 Sample : M4817-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 A6879

Quant Time: Nov 24 03:15:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

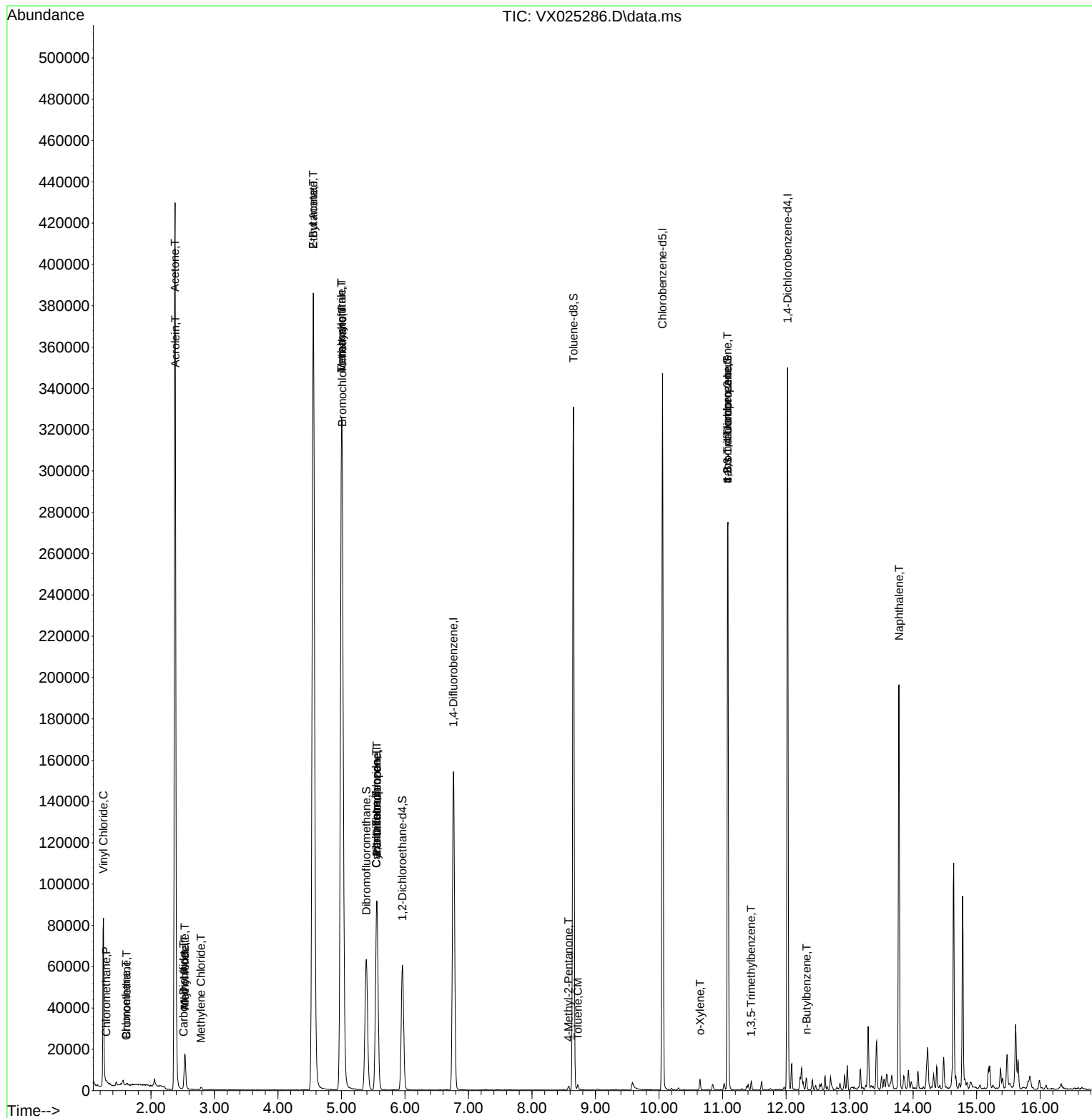
Internal Standards						
1) Pentafluorobenzene	5.556	168	94024	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	168015	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	162286	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74029	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	57187	57.702	ug/l	0.00
Spiked Amount 50.000	Range	78 - 117	Recovery	=	115.400%	
35) Dibromofluoromethane	5.391	113	54991	53.344	ug/l	0.00
Spiked Amount 50.000	Range	75 - 124	Recovery	=	106.680%	
50) Toluene-d8	8.653	98	200302	51.678	ug/l	0.00
Spiked Amount 50.000	Range	92 - 112	Recovery	=	103.360%	
62) 4-Bromofluorobenzene	11.079	95	75041	51.176	ug/l	0.00
Spiked Amount 50.000	Range	83 - 123	Recovery	=	102.360%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	304	0.301	ug/l	92
4) Vinyl Chloride	1.252	62	613	0.553	ug/l #	1
5) Bromomethane	1.618	94	371	0.779	ug/l #	56
6) Chloroethane	1.605	64	396	0.518	ug/l #	43
11) Tert butyl alcohol	2.953	59	308	Below Cal	#	72
13) Acrolein	2.386	56	86	1.894	ug/l #	1
14) Allyl chloride	2.532	41	1769	1.122	ug/l #	61
16) Acetone	2.380	43	438536	796.321	ug/l	94
17) Carbon Disulfide	2.514	76	628	0.256	ug/l #	76
18) Methyl Acetate	2.532	43	4464	2.537	ug/l #	52
20) Methylene Chloride	2.788	84	623	0.602	ug/l	95
25) 2-Butanone	4.556	43	666566	837.187	ug/l	97
28) Bromochloromethane	5.013	49	581	0.759	ug/l #	11
29) Tetrahydrofuran	5.001	42	309521	627.849	ug/l	99
31) Cyclohexane	5.550	56	1828	1.194	ug/l #	13
36) 1,1-Dichloropropene	5.556	75	6011	4.101	ug/l #	51
37) Ethyl Acetate	4.556	43	666566	399.669	ug/l #	68
38) Carbon Tetrachloride	5.550	117	8704	5.391	ug/l #	16
41) Methacrylonitrile	5.001	41	170910	184.632	ug/l #	45
51) 4-Methyl-2-Pentanone	8.574	43	1269	0.729	ug/l	96
52) Toluene	8.720	92	900	0.310	ug/l	99
69) o-Xylene	10.646	106	1188	0.520	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	36140	23.840	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.451	105	2050	0.462	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	36140	60.056	ug/l #	9
89) n-Butylbenzene	12.323	91	906	0.228	ug/l #	13
95) Naphthalene	13.780	128	127105	25.260	ug/l	100

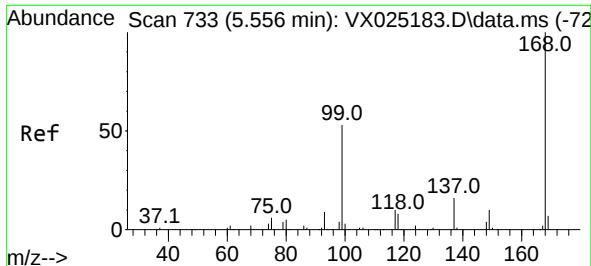
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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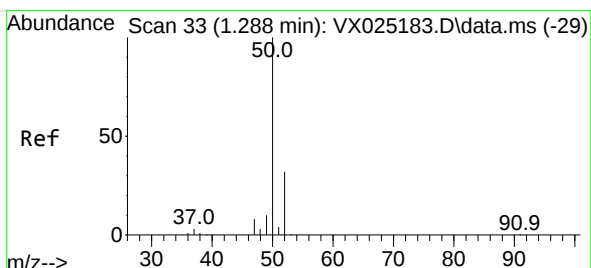
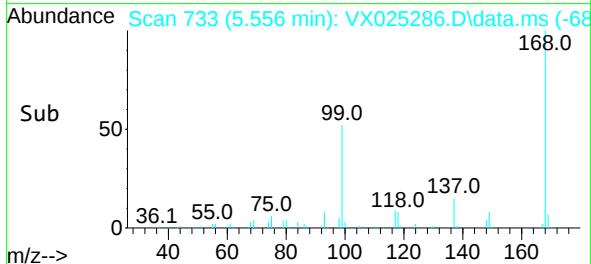
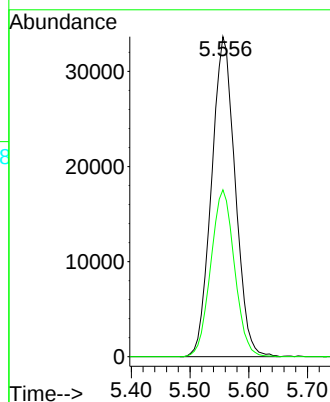
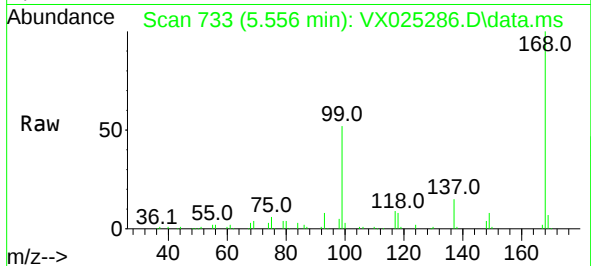




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025286.D
Acq: 23 Nov 2021 19:48

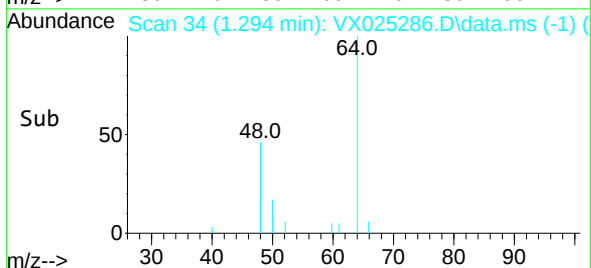
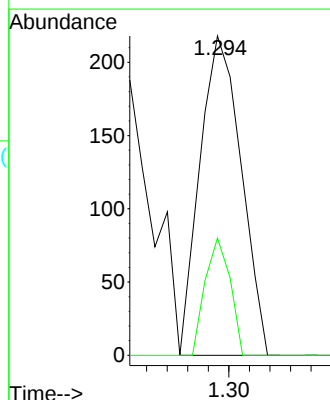
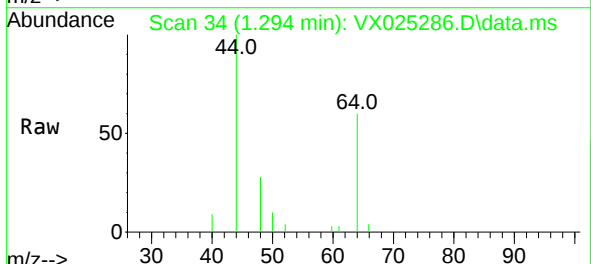
Instrument :
MSVOA_X
ClientSampleId :
A6879

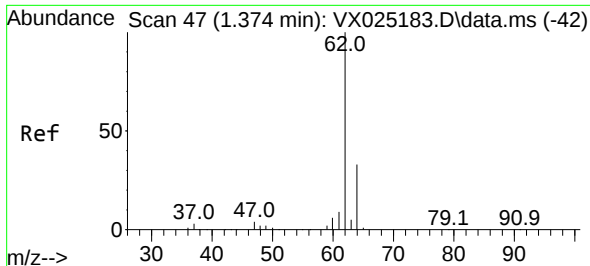
Tgt Ion:168 Resp: 94024
Ion Ratio Lower Upper
168 100
99 52.2 46.4 69.6



#3
Chloromethane
Concen: 0.301 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX025286.D
Acq: 23 Nov 2021 19:48

Tgt Ion: 50 Resp: 304
Ion Ratio Lower Upper
50 100
52 36.7 25.9 38.9

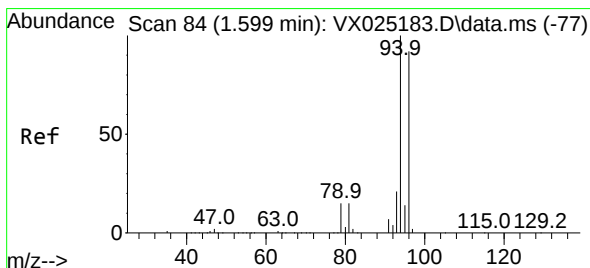
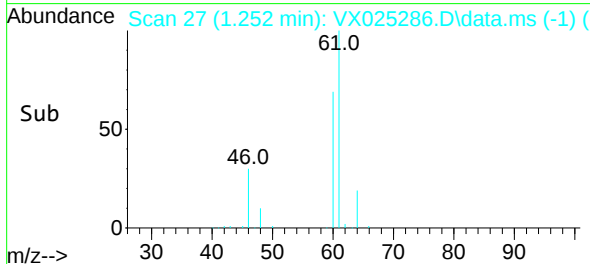
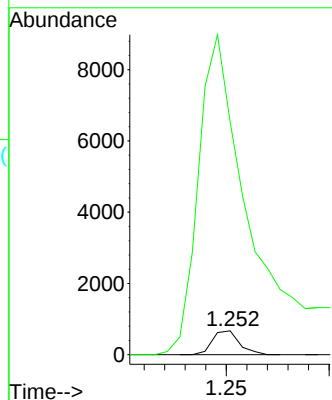
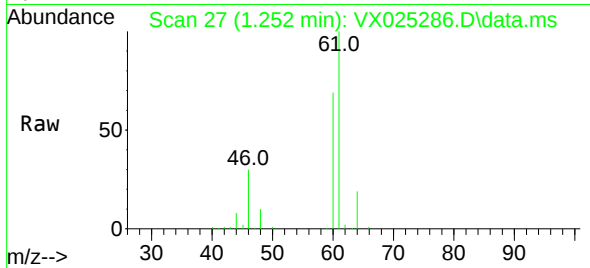




#4
 Vinyl Chloride
 Concen: 0.553 ug/l
 RT: 1.252 min Scan# 21
 Delta R.T. -0.122 min
 Lab File: VX025286.D
 Acq: 23 Nov 2021 19:48

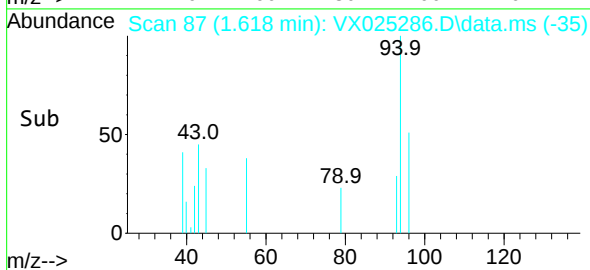
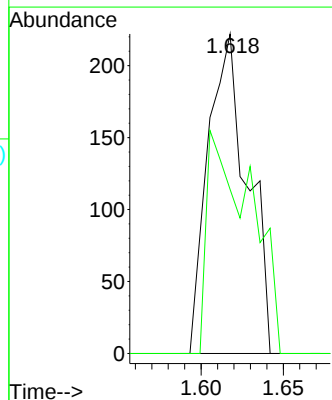
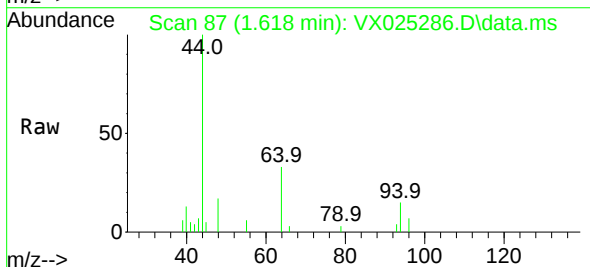
Instrument :
 MSVOA_X
 ClientSampleId :
 A6879

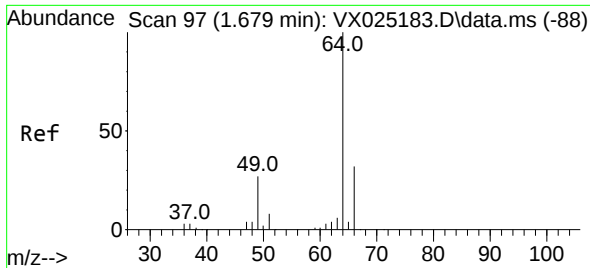
Tgt Ion: 62 Resp: 613
 Ion Ratio Lower Upper
 62 100
 64 901.9 26.0 39.0#



#5
 Bromomethane
 Concen: 0.779 ug/l
 RT: 1.618 min Scan# 87
 Delta R.T. 0.019 min
 Lab File: VX025286.D
 Acq: 23 Nov 2021 19:48

Tgt Ion: 94 Resp: 371
 Ion Ratio Lower Upper
 94 100
 96 51.4 74.8 112.2#

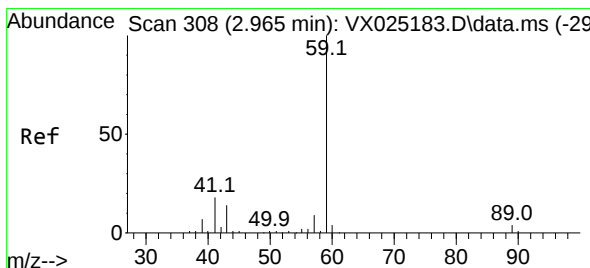
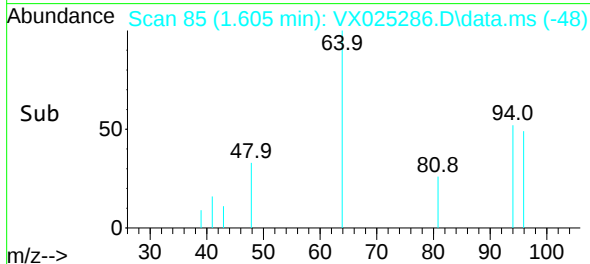
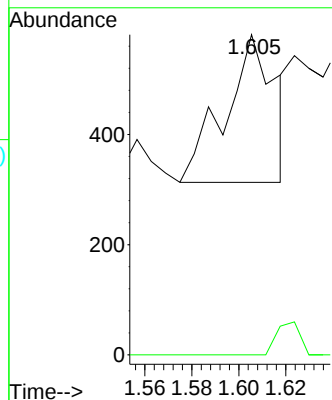
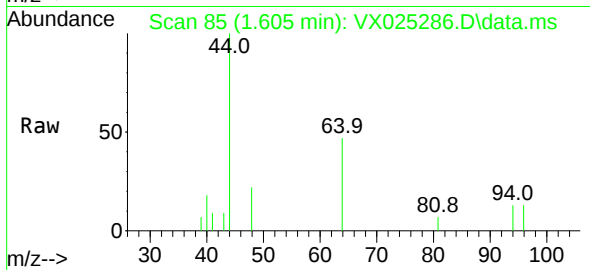




#6
Chloroethane
Concen: 0.518 ug/l
RT: 1.605 min Scan# 81
Delta R.T. -0.074 min
Lab File: VX025286.D
Acq: 23 Nov 2021 19:48

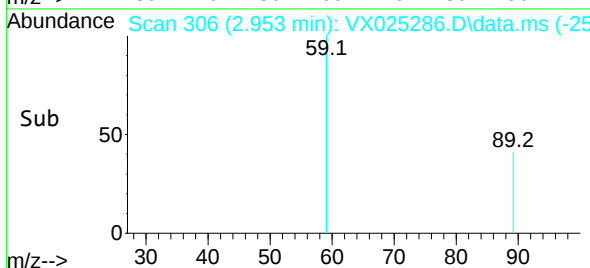
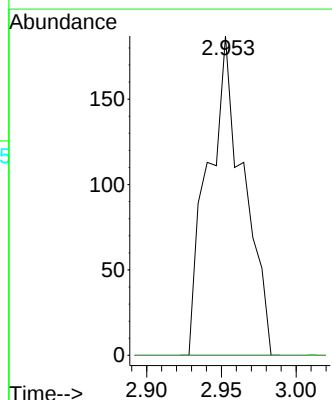
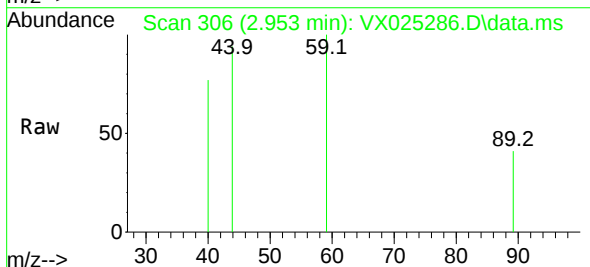
Instrument :
MSVOA_X
ClientSampleId :
A6879

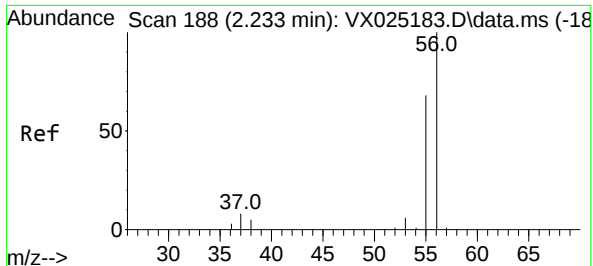
Tgt Ion: 64 Resp: 396
Ion Ratio Lower Upper
64 100
66 0.0 25.6 38.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX025286.D
Acq: 23 Nov 2021 19:48

Tgt Ion: 59 Resp: 308
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 1.894 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.153 min

Lab File: VX025286.D

Acq: 23 Nov 2021 19:48

Instrument :

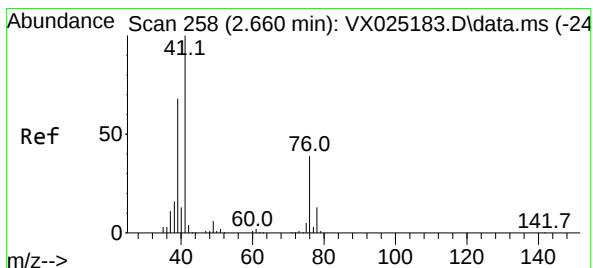
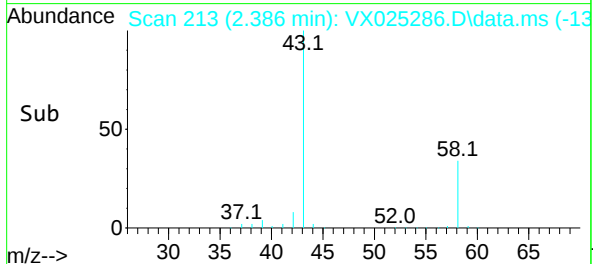
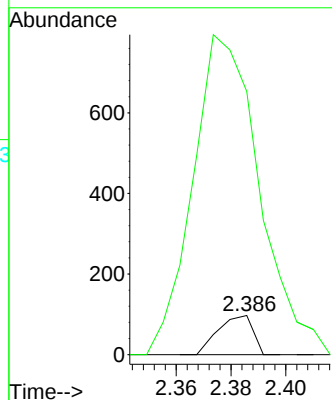
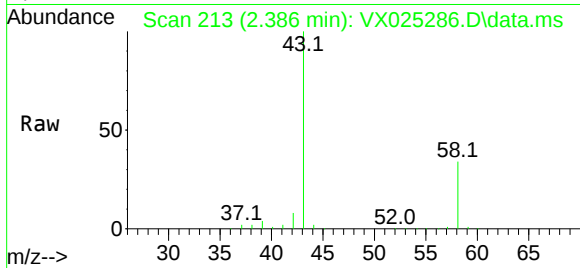
MSVOA_X

ClientSampleId :

A6879

Tgt Ion: 56 Resp: 86

Ion	Ratio	Lower	Upper
56	100		
55	1560.5	58.6	87.8#



#14

Allyl chloride

Concen: 1.122 ug/l

RT: 2.532 min Scan# 237

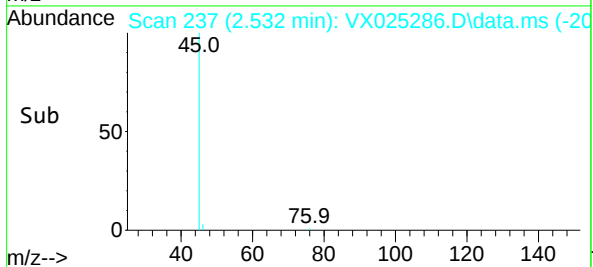
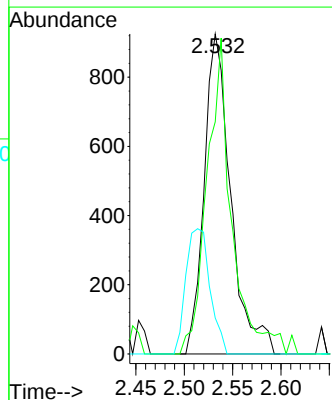
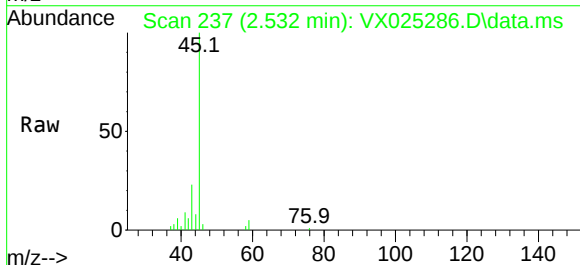
Delta R.T. -0.128 min

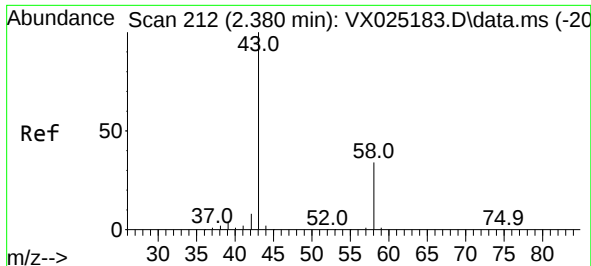
Lab File: VX025286.D

Acq: 23 Nov 2021 19:48

Tgt Ion: 41 Resp: 1769

Ion	Ratio	Lower	Upper
41	100		
39	92.7	54.6	82.0#
76	0.0	25.3	37.9#

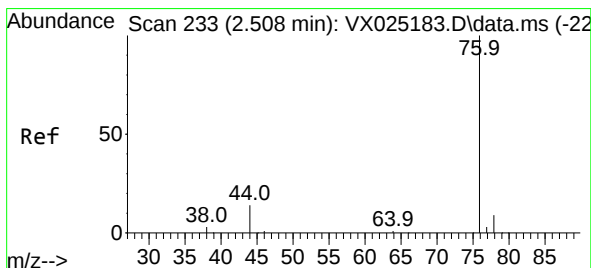
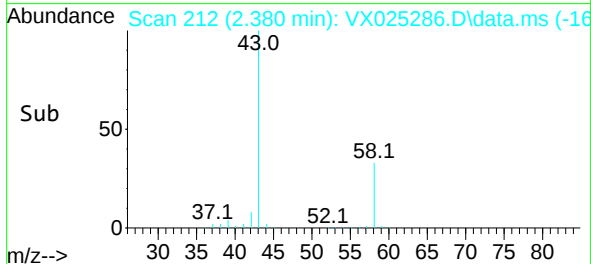
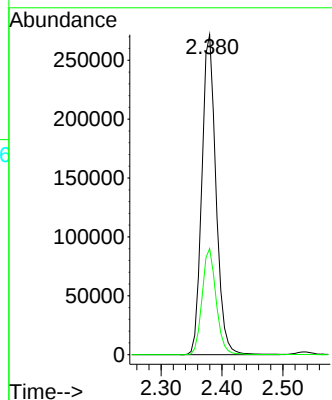
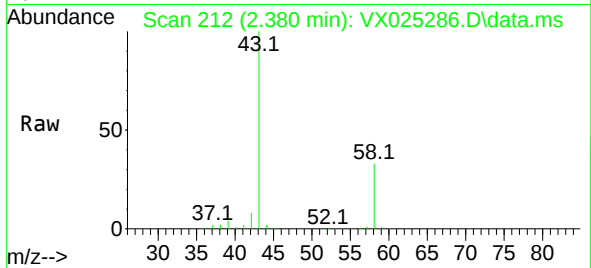




#16
Acetone
Concen: 796.321 ug/l
RT: 2.380 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX025286.D
Acq: 23 Nov 2021 19:48

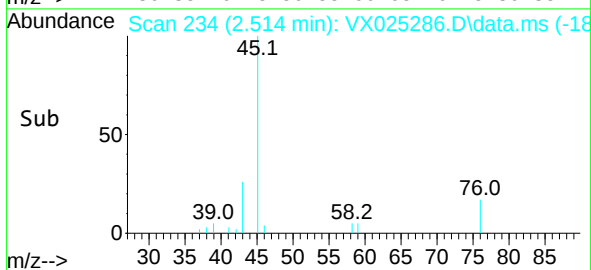
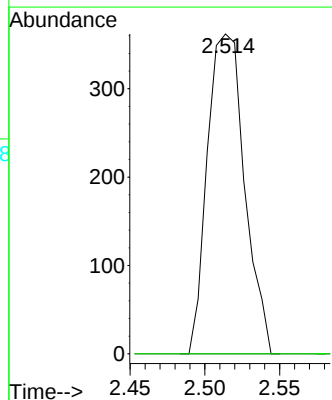
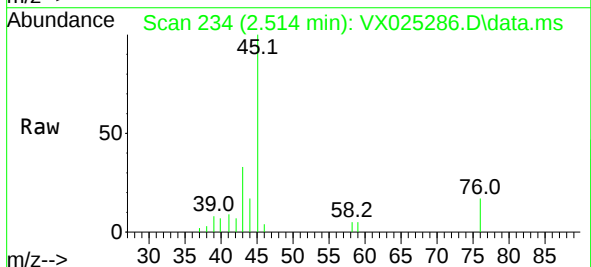
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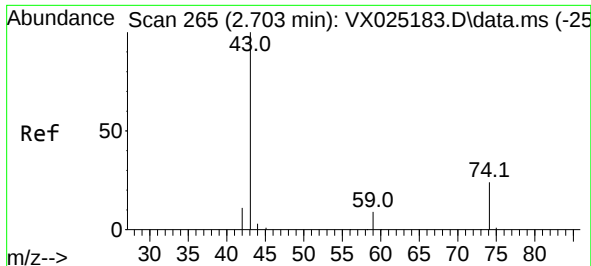
Tgt Ion: 43 Resp: 438536
Ion Ratio Lower Upper
43 100
58 33.1 24.0 36.0



#17
Carbon Disulfide
Concen: 0.256 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX025286.D
Acq: 23 Nov 2021 19:48

Tgt Ion: 76 Resp: 628
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#

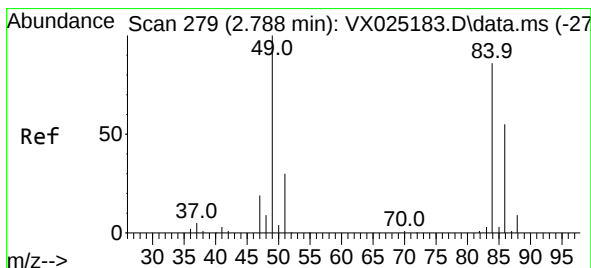
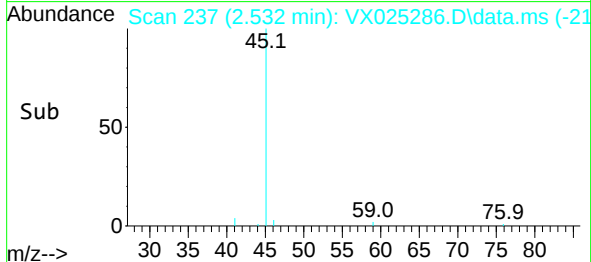
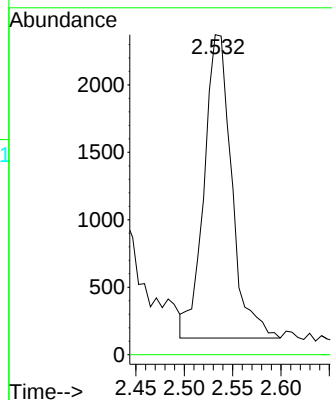
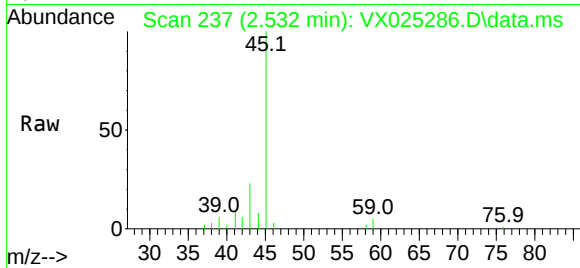




#18
Methyl Acetate
Concen: 2.537 ug/l
RT: 2.532 min Scan# 21
Delta R.T. -0.171 min
Lab File: VX025286.D
Acq: 23 Nov 2021 19:48

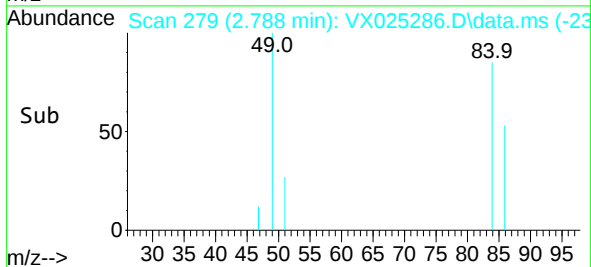
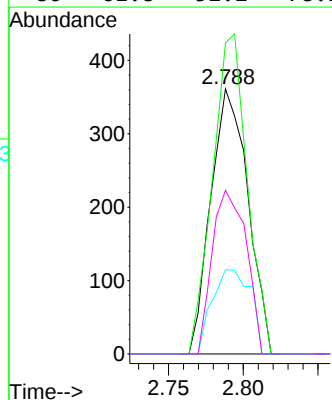
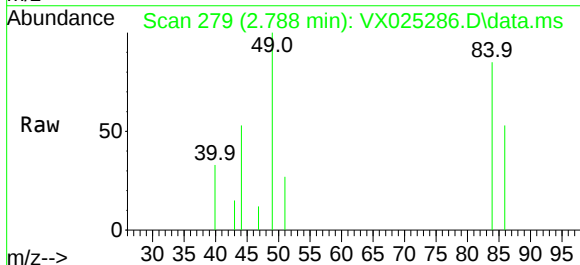
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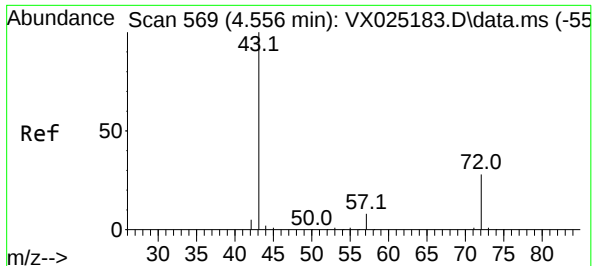
Tgt Ion: 43 Resp: 4464
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.6#



#20
Methylene Chloride
Concen: 0.602 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX025286.D
Acq: 23 Nov 2021 19:48

Tgt Ion: 84 Resp: 623
Ion Ratio Lower Upper
84 100
49 117.5 98.2 147.2
51 31.9 30.2 45.4
86 61.8 52.2 78.2

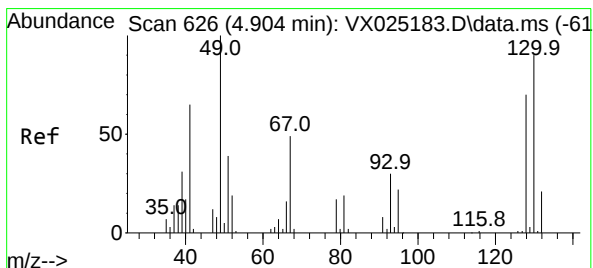
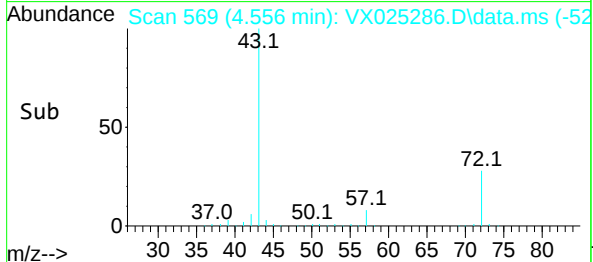
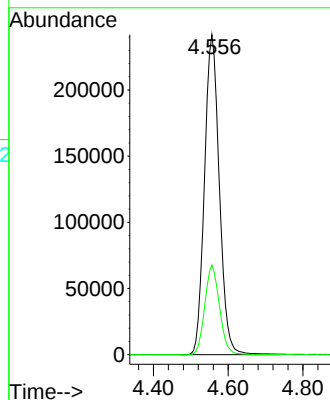
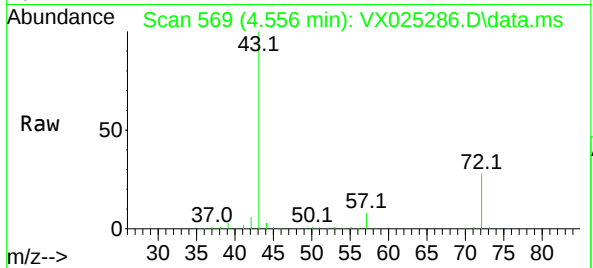




#25
2-Butanone
Concen: 837.187 ug/l
RT: 4.556 min Scan# 50
Delta R.T. 0.000 min
Lab File: VX025286.D
Acq: 23 Nov 2021 19:48

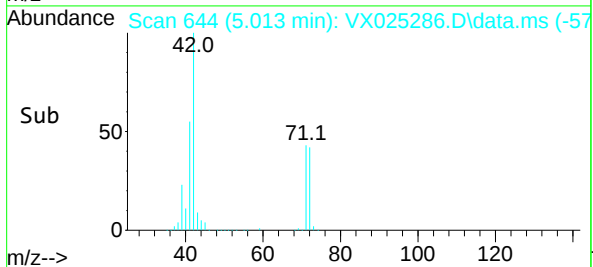
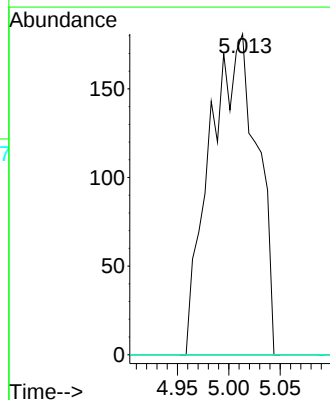
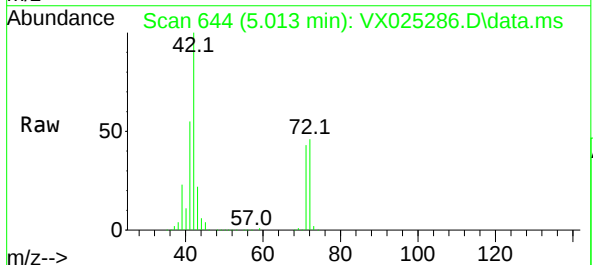
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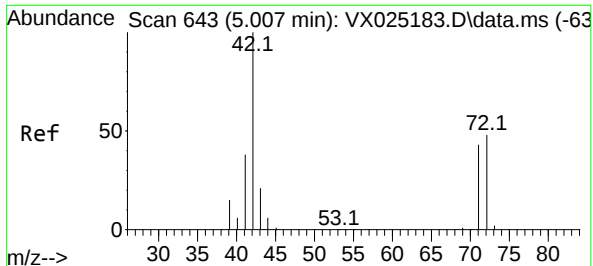
Tgt Ion: 43 Resp: 666566
Ion Ratio Lower Upper
43 100
72 28.1 21.2 31.8



#28
Bromochloromethane
Concen: 0.759 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.109 min
Lab File: VX025286.D
Acq: 23 Nov 2021 19:48

Tgt Ion: 49 Resp: 581
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.4
130 0.0 65.2 97.8#





#29

Tetrahydrofuran

Concen: 627.849 ug/l

RT: 5.001 min Scan# 64

Delta R.T. -0.006 min

Lab File: VX025286.D

Acq: 23 Nov 2021 19:48

Instrument :

MSVOA_X

ClientSampleId :

A6879

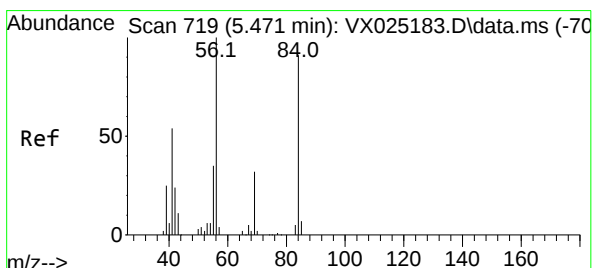
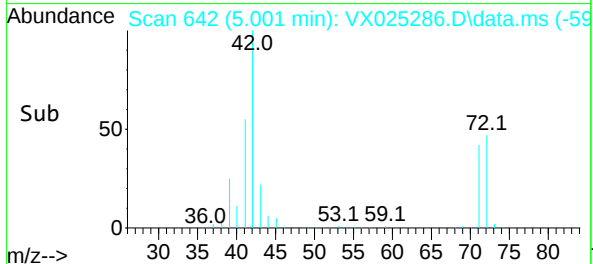
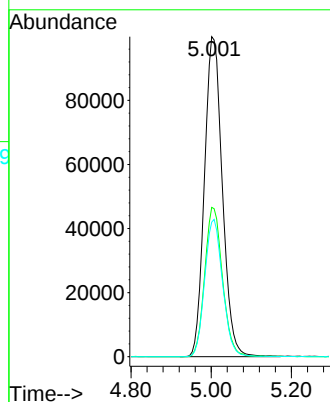
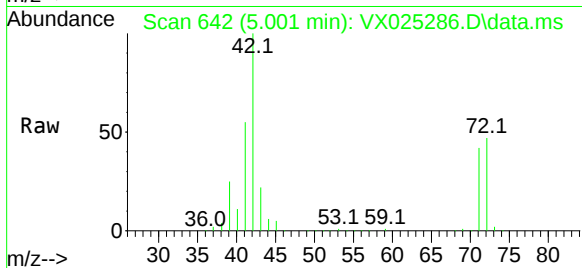
Tgt Ion: 42 Resp: 309521

Ion Ratio Lower Upper

42 100

72 46.2 36.1 54.1

71 42.8 33.7 50.5



#31

Cyclohexane

Concen: 1.194 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX025286.D

Acq: 23 Nov 2021 19:48

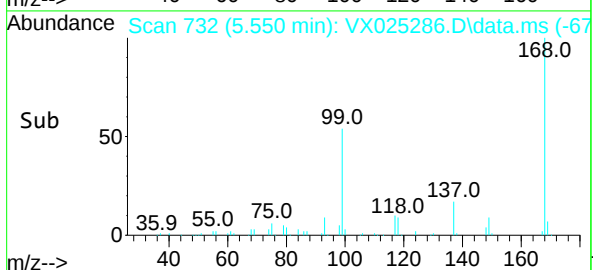
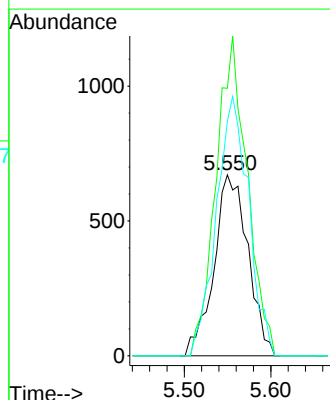
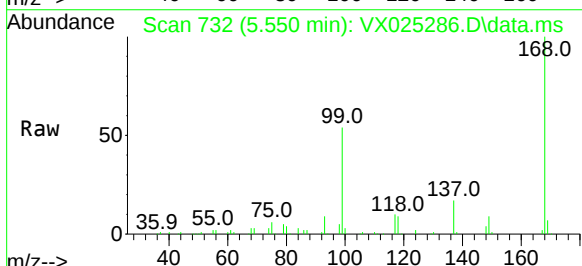
Tgt Ion: 56 Resp: 1828

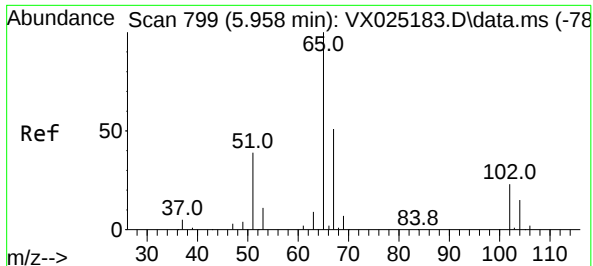
Ion Ratio Lower Upper

56 100

69 147.8 24.2 36.2#

84 129.8 71.5 107.3#





#33

1,2-Dichloroethane-d4

Concen: 57.702 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX025286.D

Acq: 23 Nov 2021 19:48

Instrument :

MSVOA_X

ClientSampleId :

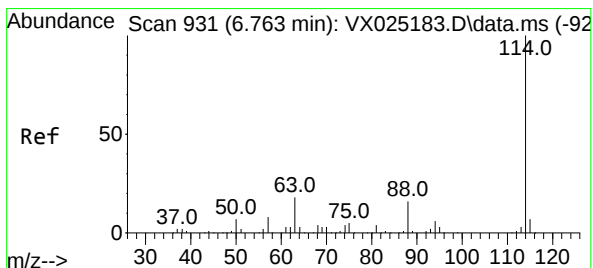
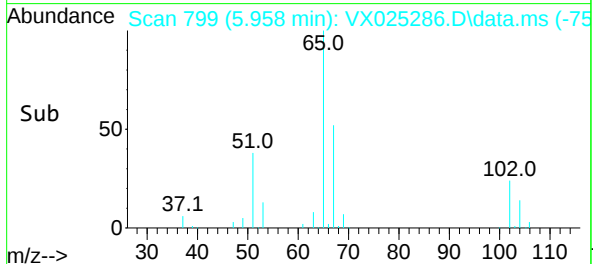
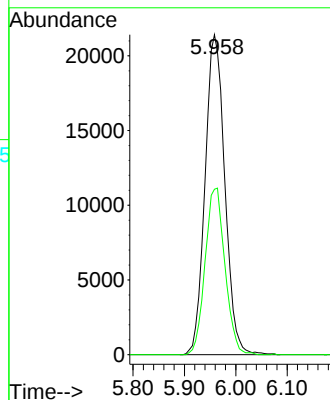
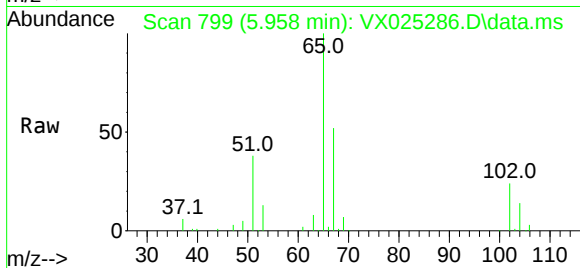
A6879

Tgt Ion: 65 Resp: 57187

Ion Ratio Lower Upper

65 100

67 52.3 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX025286.D

Acq: 23 Nov 2021 19:48

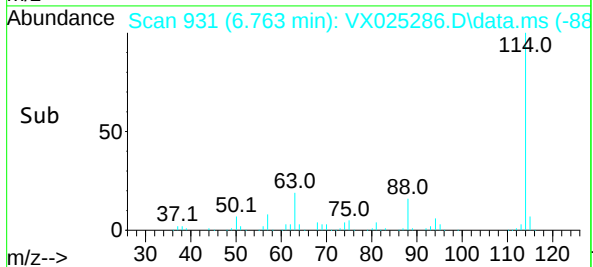
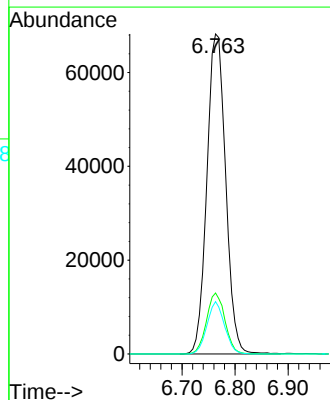
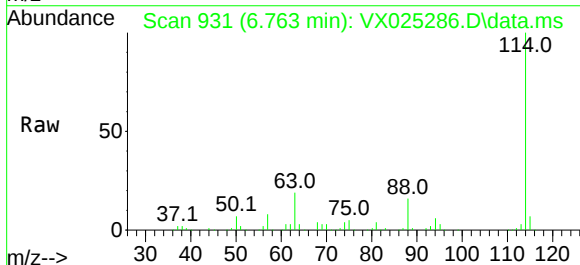
Tgt Ion: 114 Resp: 168015

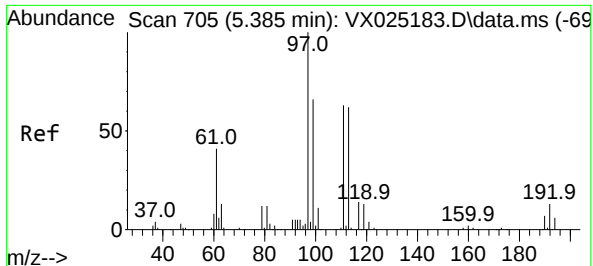
Ion Ratio Lower Upper

114 100

63 19.0 0.0 41.0

88 16.4 0.0 34.8





#35

Dibromofluoromethane

Concen: 53.344 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX025286.D

Acq: 23 Nov 2021 19:48

Instrument :

MSVOA_X

ClientSampleId :

A6879

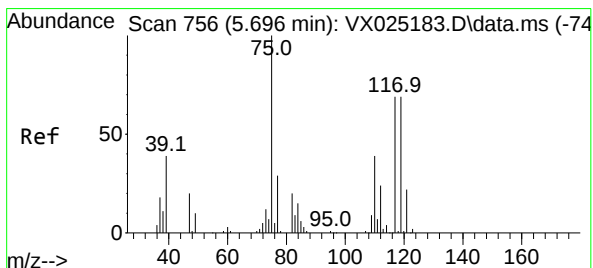
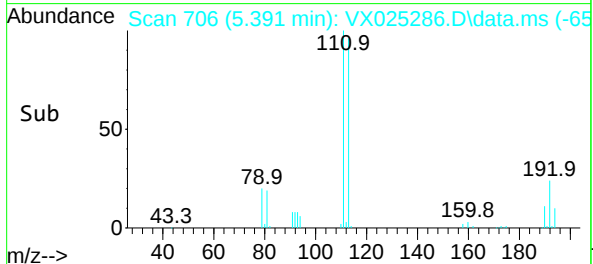
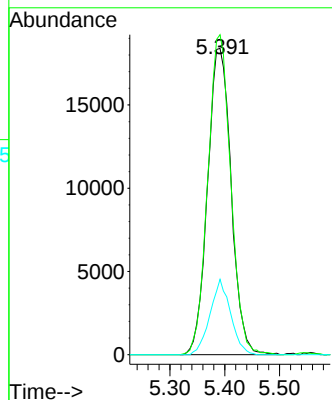
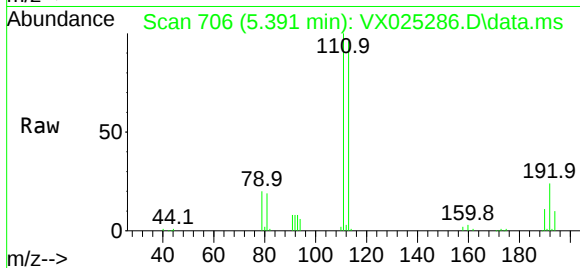
Tgt Ion:113 Resp: 54991

Ion Ratio Lower Upper

113 100

111 101.8 82.1 123.1

192 21.5 15.6 23.4



#36

1,1-Dichloropropene

Concen: 4.101 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX025286.D

Acq: 23 Nov 2021 19:48

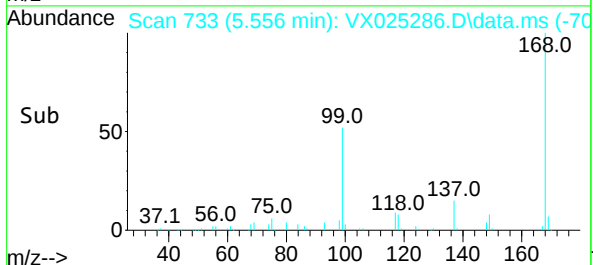
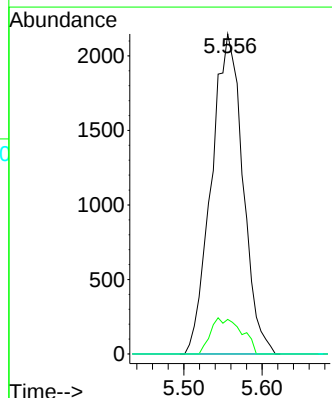
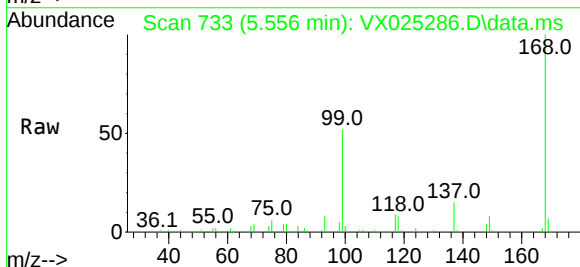
Tgt Ion: 75 Resp: 6011

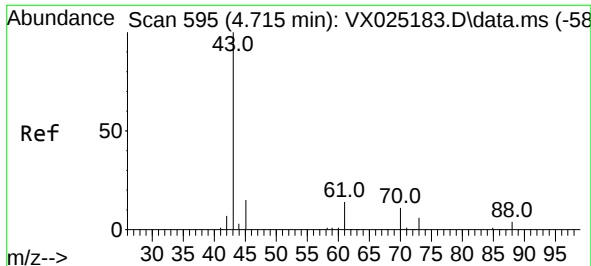
Ion Ratio Lower Upper

75 100

110 11.0 18.1 54.3#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 399.669 ug/l

RT: 4.556 min Scan# 5

Delta R.T. -0.159 min

Lab File: VX025286.D

Acq: 23 Nov 2021 19:48

Instrument :

MSVOA_X

ClientSampleId :

A6879

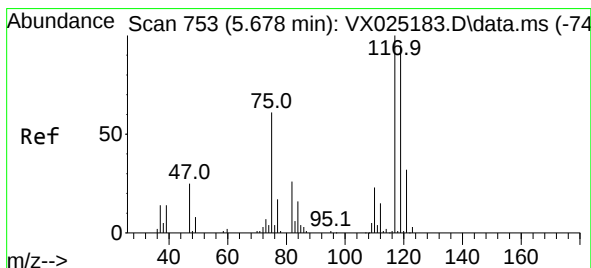
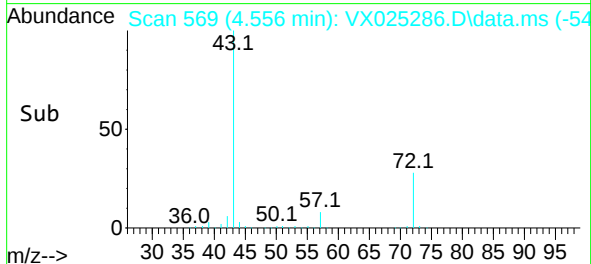
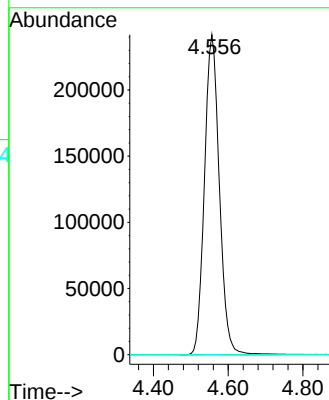
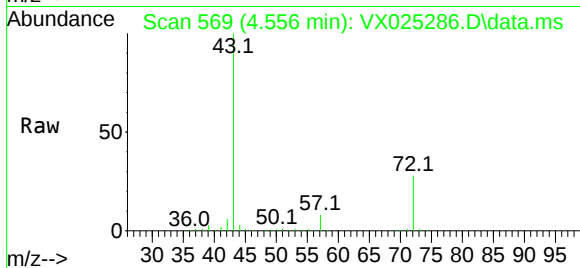
Tgt Ion: 43 Resp: 666566

Ion Ratio Lower Upper

43 100

61 0.0 11.4 17.0#

70 0.0 8.6 12.8#



#38

Carbon Tetrachloride

Concen: 5.391 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX025286.D

Acq: 23 Nov 2021 19:48

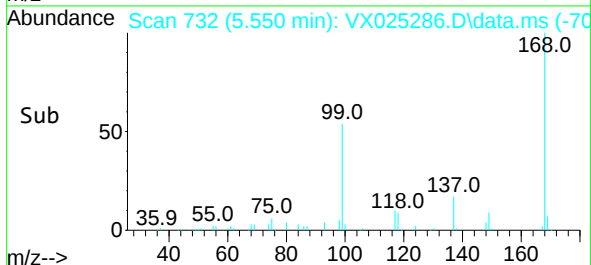
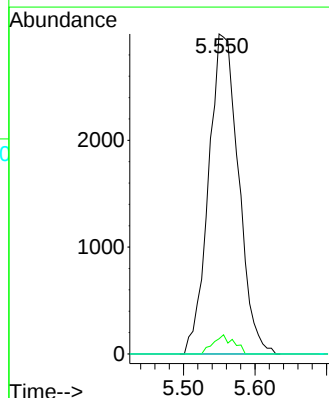
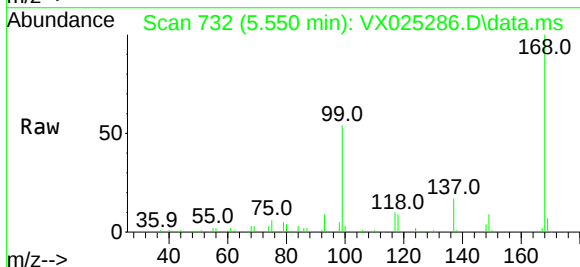
Tgt Ion: 117 Resp: 8704

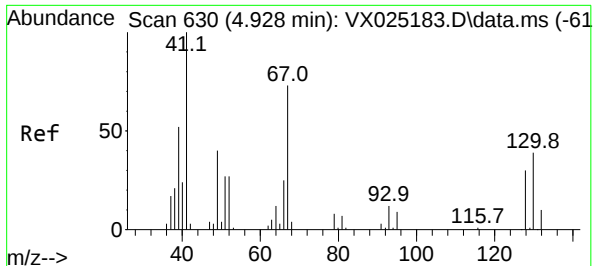
Ion Ratio Lower Upper

117 100

119 4.7 75.6 113.4#

121 0.0 23.7 35.5#

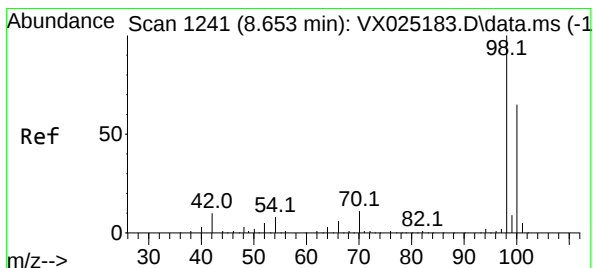
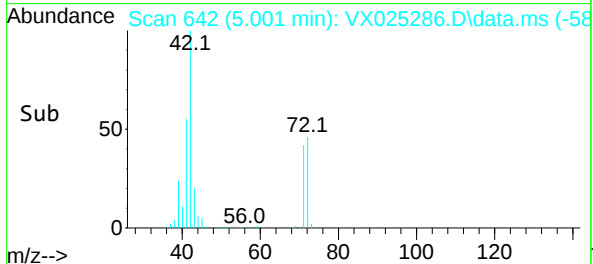
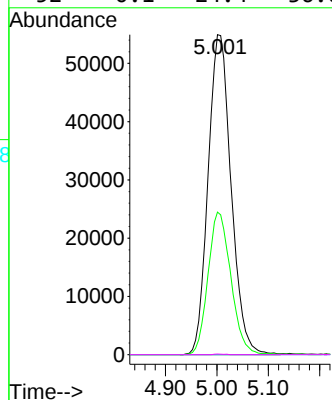
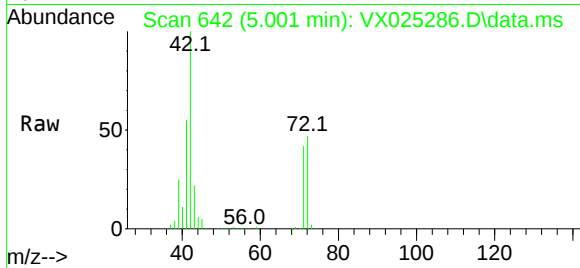




#41
Methacrylonitrile
Concen: 184.632 ug/l
RT: 5.001 min Scan# 641
Delta R.T. 0.073 min
Lab File: VX025286.D
Acq: 23 Nov 2021 19:48

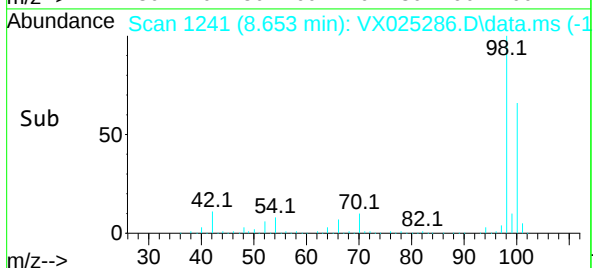
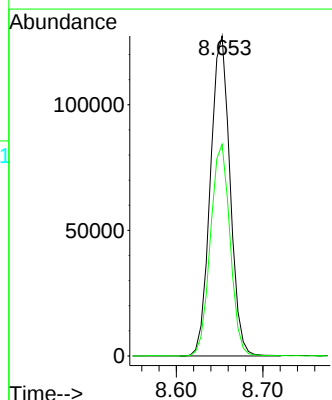
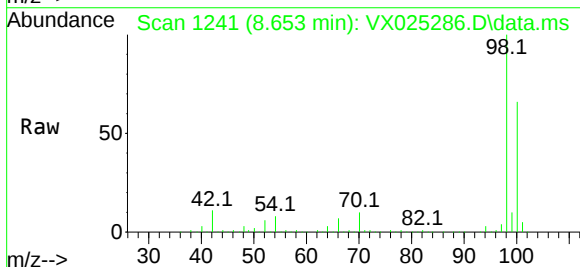
Instrument :
MSVOA_X
ClientSampleId :
A6879

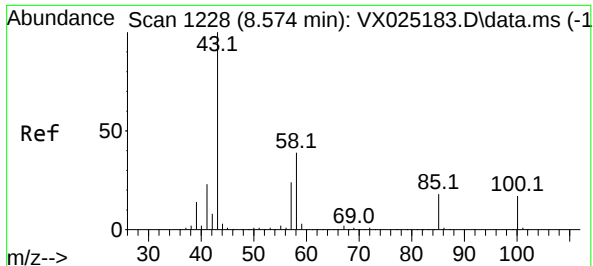
Tgt Ion: 41 Resp: 170910
Ion Ratio Lower Upper
41 100
39 44.3 44.6 67.0#
67 0.0 56.7 85.1#
52 0.1 24.4 36.6#



#50
Toluene-d8
Concen: 51.678 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025286.D
Acq: 23 Nov 2021 19:48

Tgt Ion: 98 Resp: 200302
Ion Ratio Lower Upper
98 100
100 66.2 51.4 77.0

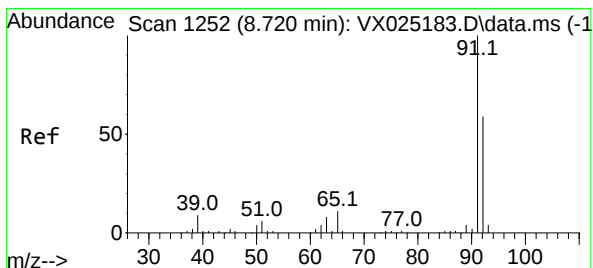
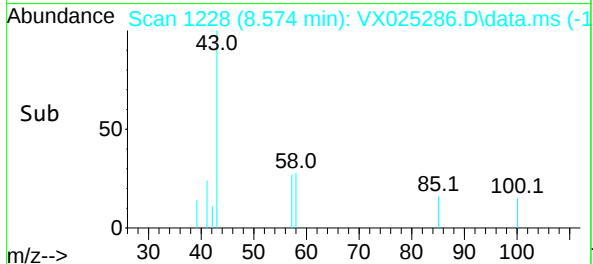
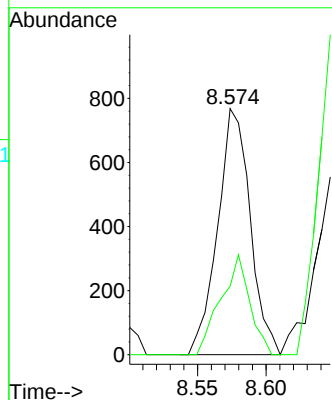
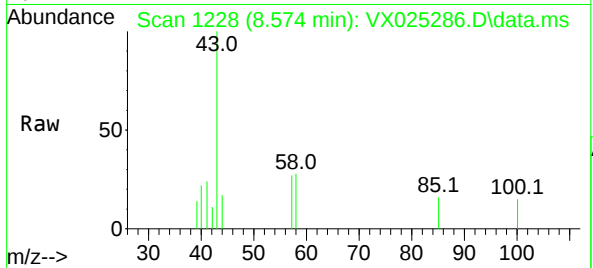




#51
4-Methyl-2-Pentanone
Concen: 0.729 ug/l
RT: 8.574 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025286.D
Acq: 23 Nov 2021 19:48

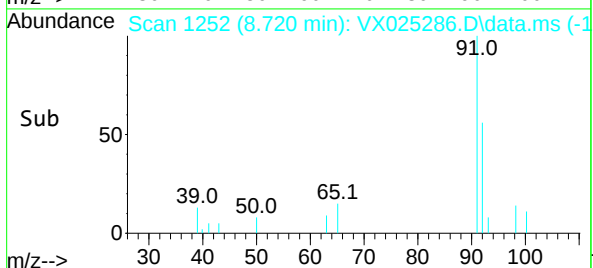
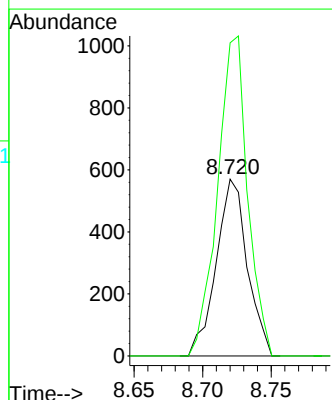
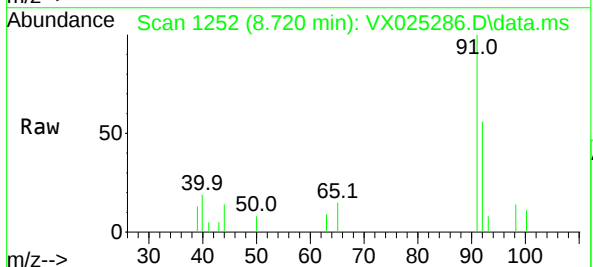
Instrument :
MSVOA_X
ClientSampleId :
A6879

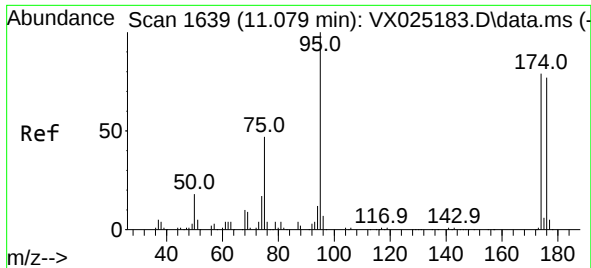
Tgt Ion: 43 Resp: 1269
Ion Ratio Lower Upper
43 100
58 36.1 30.9 46.3



#52
Toluene
Concen: 0.310 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX025286.D
Acq: 23 Nov 2021 19:48

Tgt Ion: 92 Resp: 900
Ion Ratio Lower Upper
92 100
91 175.0 138.6 208.0

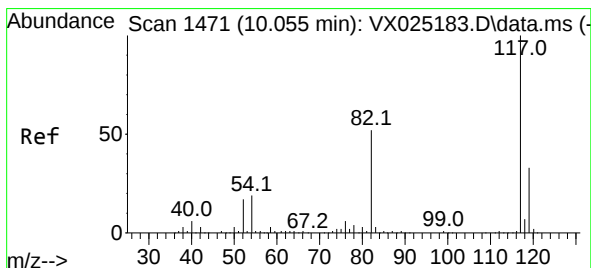
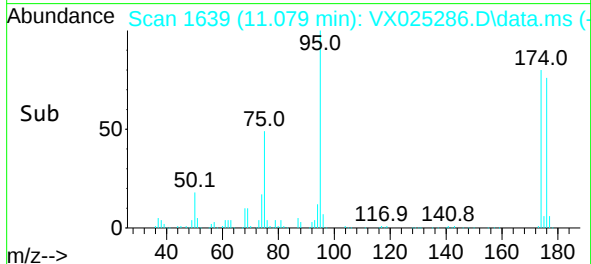
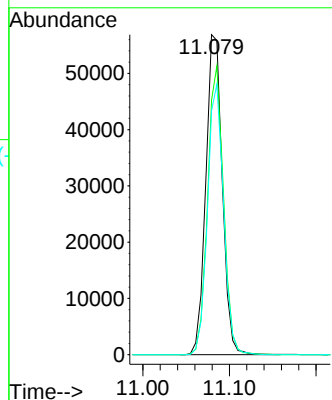
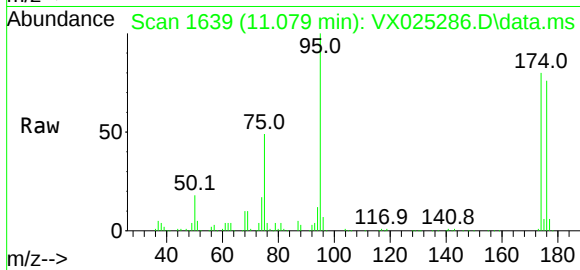




#62
4-Bromofluorobenzene
Concen: 51.176 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX025286.D
Acq: 23 Nov 2021 19:48

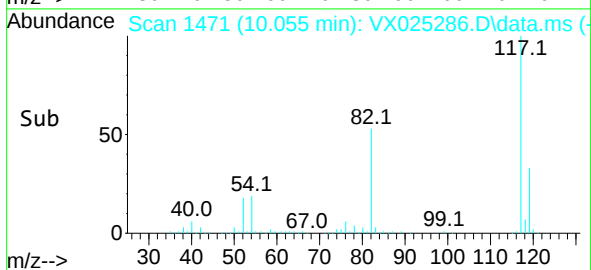
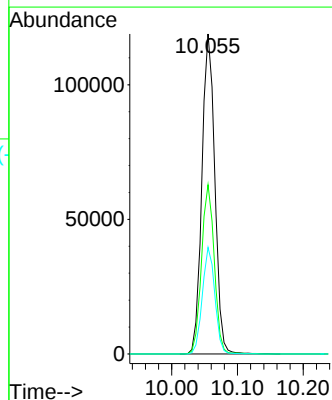
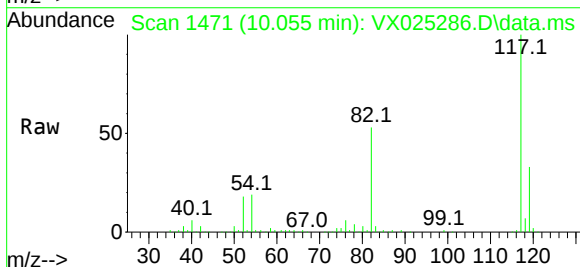
Instrument :
MSVOA_X
ClientSampleId :
A6879

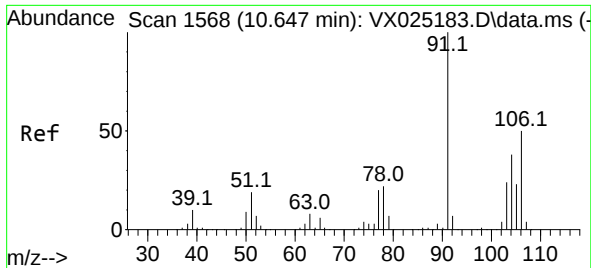
Tgt Ion: 95 Resp: 75041
Ion Ratio Lower Upper
95 100
174 87.1 0.0 158.0
176 82.5 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025286.D
Acq: 23 Nov 2021 19:48

Tgt Ion: 117 Resp: 162286
Ion Ratio Lower Upper
117 100
82 52.9 44.6 67.0
119 33.3 24.8 37.2

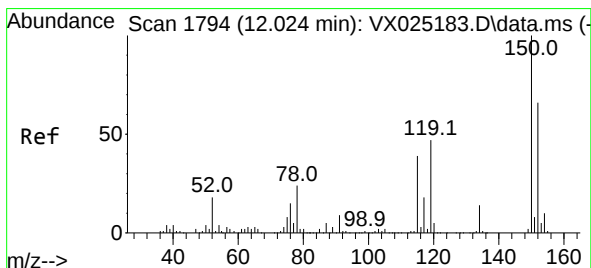
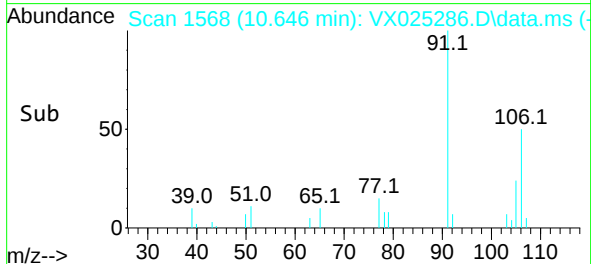
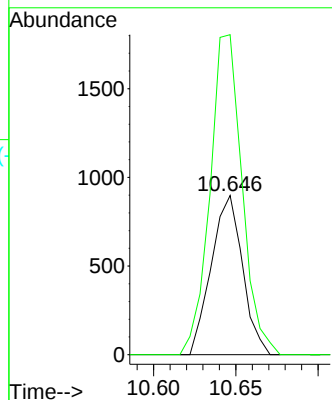
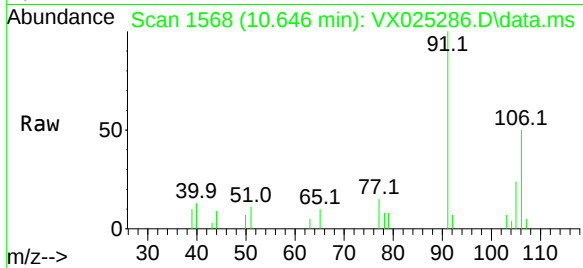




#69
o-Xylene
Concen: 0.520 ug/l
RT: 10.646 min Scan# 1188
Delta R.T. -0.001 min
Lab File: VX025286.D
Acq: 23 Nov 2021 19:48

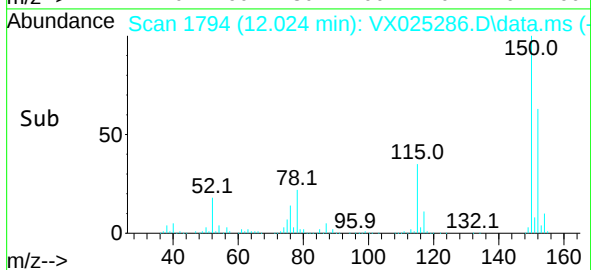
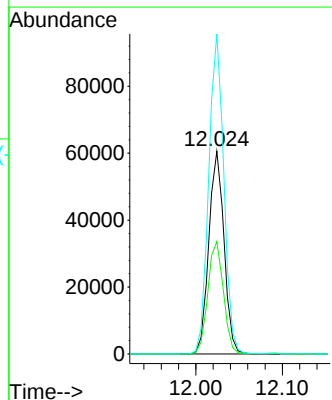
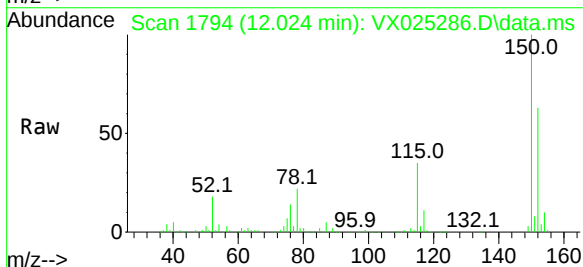
Instrument :
MSVOA_X
ClientSampleId :
A6879

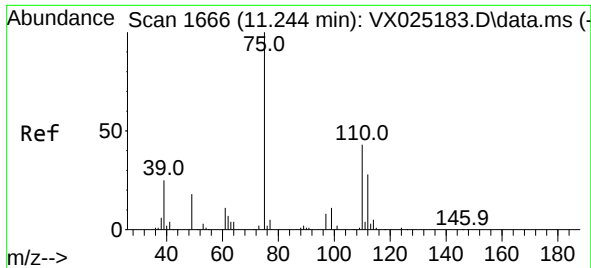
Tgt Ion:106 Resp: 1188
Ion Ratio Lower Upper
106 100
91 206.3 109.5 328.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX025286.D
Acq: 23 Nov 2021 19:48

Tgt Ion:152 Resp: 74029
Ion Ratio Lower Upper
152 100
115 56.5 43.3 129.8
150 156.2 0.0 351.2

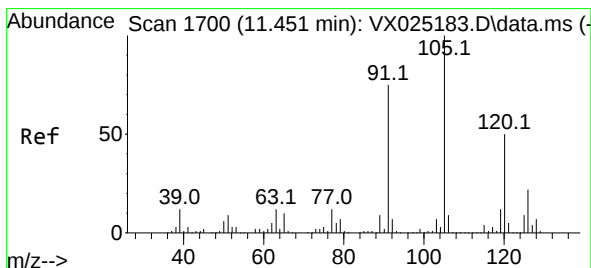
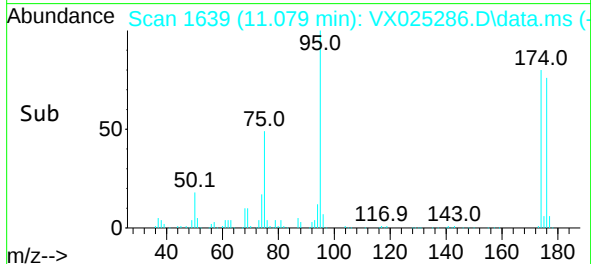
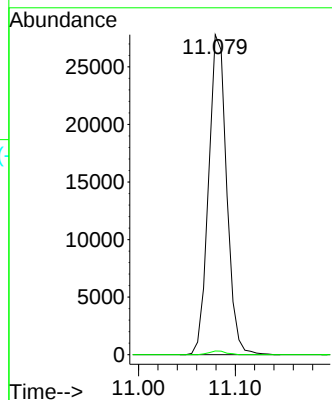
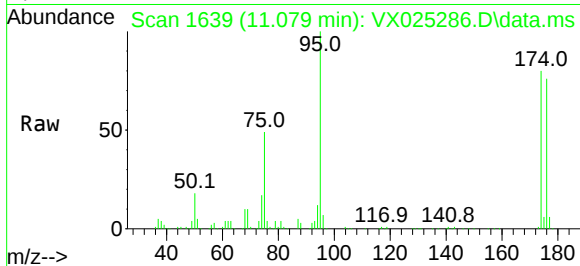




#76
 1,2,3-Trichloropropane
 Concen: 23.840 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX025286.D
 Acq: 23 Nov 2021 19:48

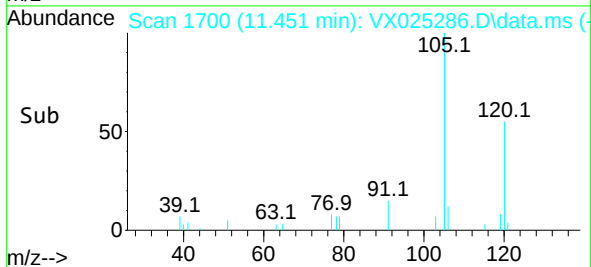
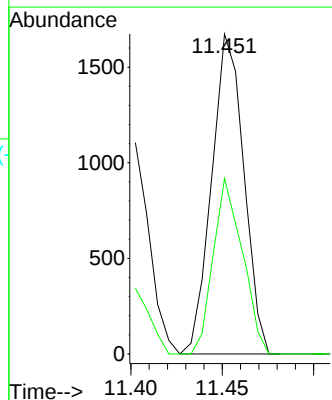
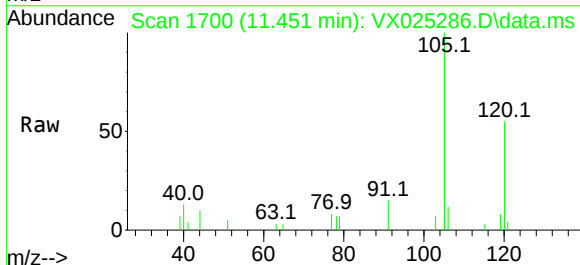
Instrument :
 MSVOA_X
 ClientSampleId :
 A6879

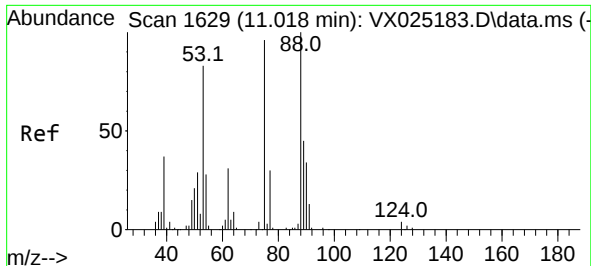
Tgt Ion: 75 Resp: 36140
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.0 59.9#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.462 ug/l
 RT: 11.451 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: VX025286.D
 Acq: 23 Nov 2021 19:48

Tgt Ion: 105 Resp: 2050
 Ion Ratio Lower Upper
 105 100
 120 49.9 23.8 71.5

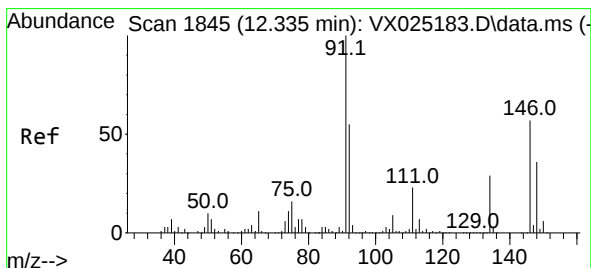
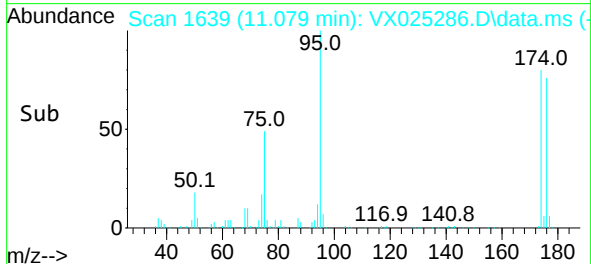
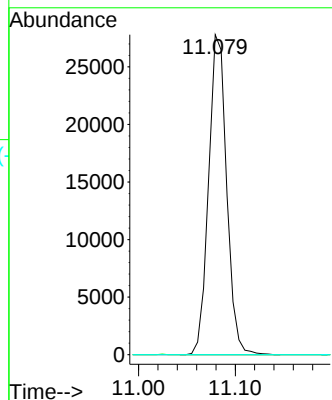
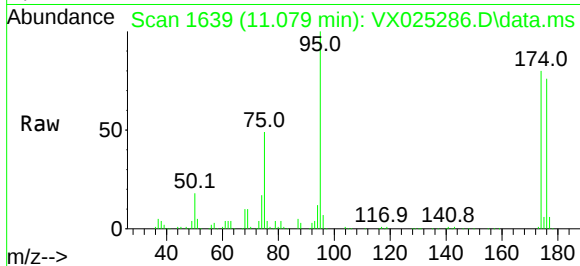




#81
trans-1,4-Dichloro-2-butene
Concen: 60.056 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX025286.D
Acq: 23 Nov 2021 19:48

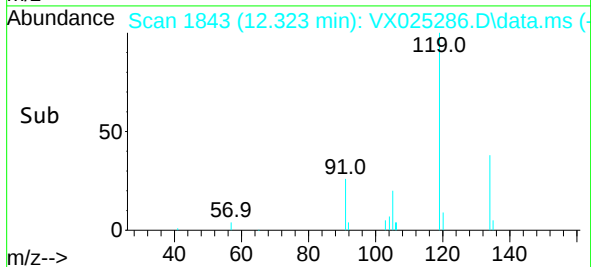
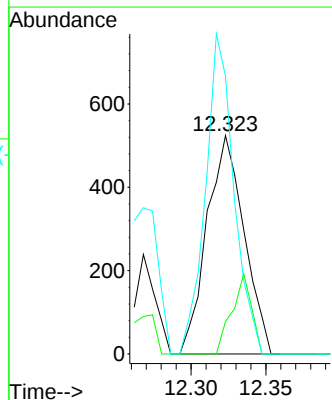
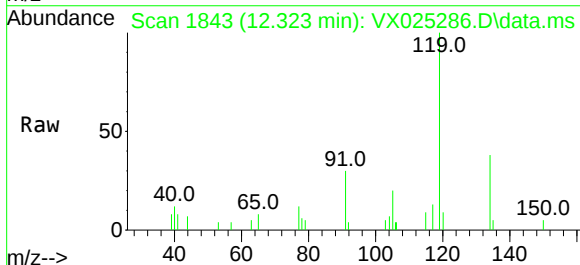
Instrument :
MSVOA_X
ClientSampleId :
A6879

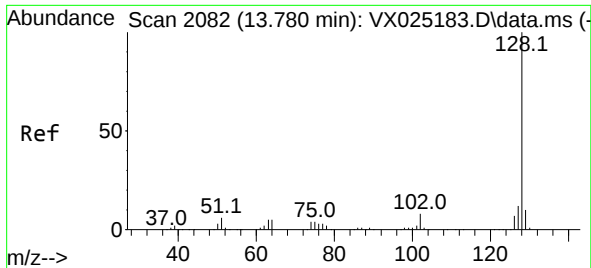
Tgt Ion: 75 Resp: 36140
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#



#89
n-Butylbenzene
Concen: 0.228 ug/l
RT: 12.323 min Scan# 1843
Delta R.T. -0.012 min
Lab File: VX025286.D
Acq: 23 Nov 2021 19:48

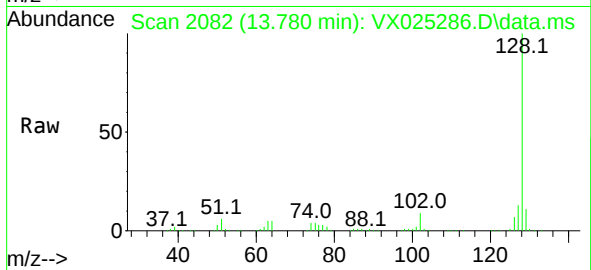
Tgt Ion: 91 Resp: 906
Ion Ratio Lower Upper
91 100
92 19.4 26.3 78.8#
134 112.3 13.0 38.9#





#95
Naphthalene
Concen: 25.260 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX025286.D
Acq: 23 Nov 2021 19:48

Instrument :
MSVOA_X
ClientSampleId :
A6879



Tgt Ion:128 Resp: 127105
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.9 8.8 13.2

