

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121621\
 Data File : VX025832.D
 Acq On : 15 Dec 2021 22:08
 Operator : JC/MD
 Sample : M5067-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BASE

Quant Time: Dec 16 07:32:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

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

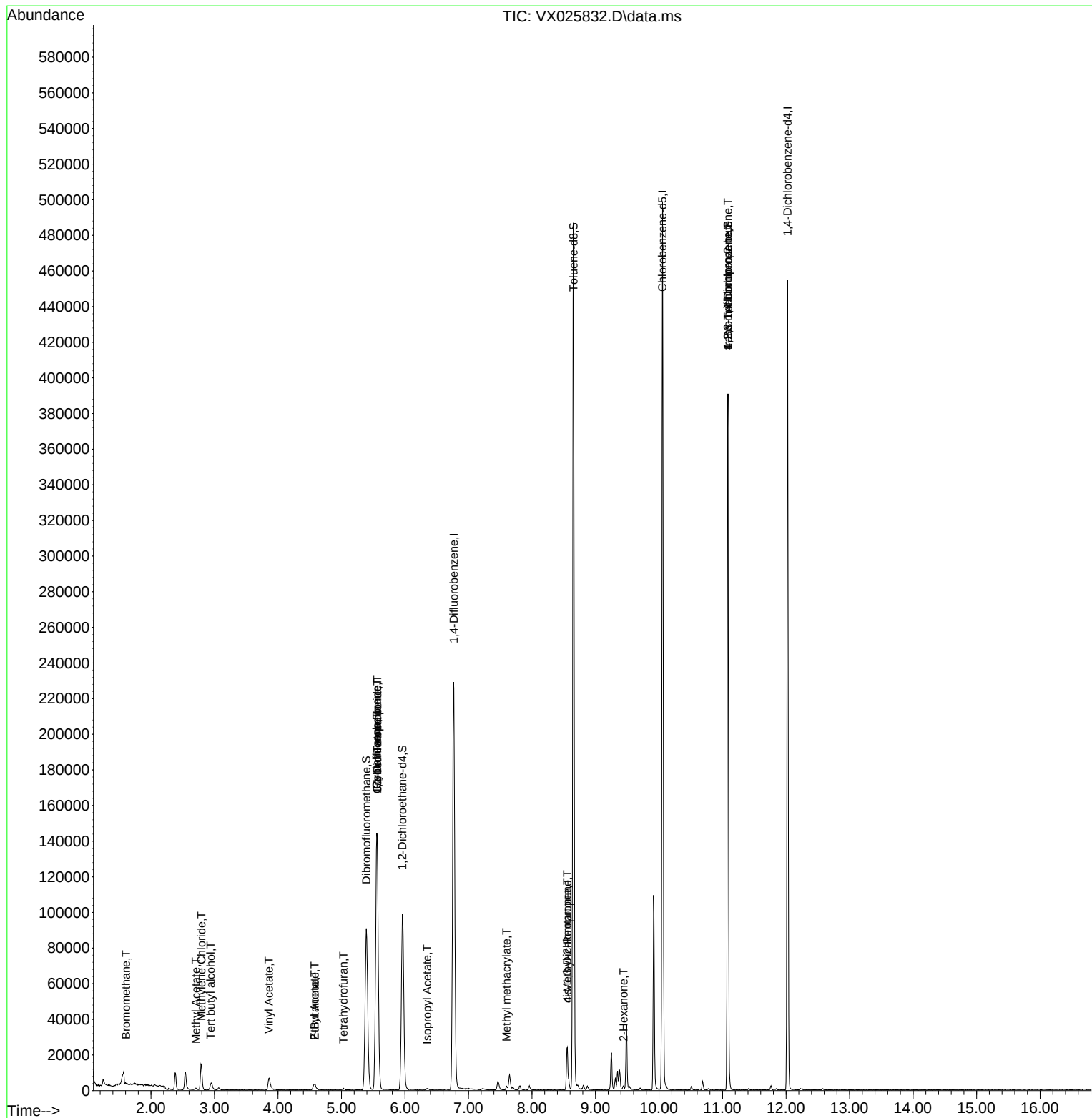
Internal Standards						
1) Pentafluorobenzene	5.556	168	134335	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	236130	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	218859	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88930	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	94160	48.716	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.440%		
35) Dibromofluoromethane	5.391	113	76775	46.621	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.240%		
50) Toluene-d8	8.653	98	283775	47.295	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.580%		
62) 4-Bromofluorobenzene	11.085	95	103900	45.586	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.180%		
Target Compounds						Qvalue
5) Bromomethane	1.605	94	242	0.204	ug/l	95
11) Tert butyl alcohol	2.940	59	2828	7.294	ug/l #	75
16) Acetone	2.386	43	10586	Below Cal		92
18) Methyl Acetate	2.709	43	1371	0.465	ug/l	91
20) Methylene Chloride	2.794	84	6621	1.666	ug/l	89
23) Vinyl Acetate	3.855	43	1083	0.278	ug/l #	70
25) 2-Butanone	4.574	43	4897	3.767	ug/l #	87
29) Tetrahydrofuran	5.032	42	443	0.536	ug/l #	57
31) Cyclohexane	5.556	56	3357	1.428	ug/l #	25
36) 1,1-Dichloropropene	5.562	75	11092	4.967	ug/l #	50
37) Ethyl Acetate	4.574	43	4897	1.974	ug/l #	69
38) Carbon Tetrachloride	5.562	117	14441	5.558	ug/l #	15
43) Isopropyl Acetate	6.348	43	1161	0.290	ug/l #	76
48) Methyl methacrylate	7.598	41	2965	1.575	ug/l #	22
51) 4-Methyl-2-Pentanone	8.555	43	10685	4.083	ug/l #	37
54) cis-1,3-Dichloropropene	8.555	75	3723	1.386	ug/l #	63
59) 2-Hexanone	9.439	43	1324	0.668	ug/l	96
76) 1,2,3-Trichloropropane	11.085	75	53830	26.419	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	53830	81.906	ug/l #	10

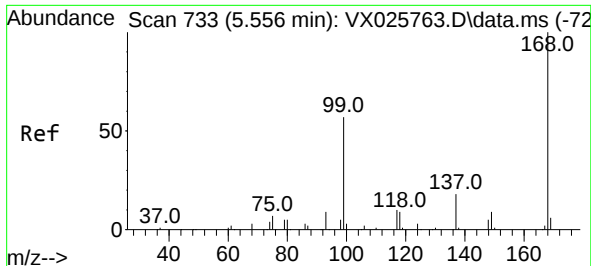
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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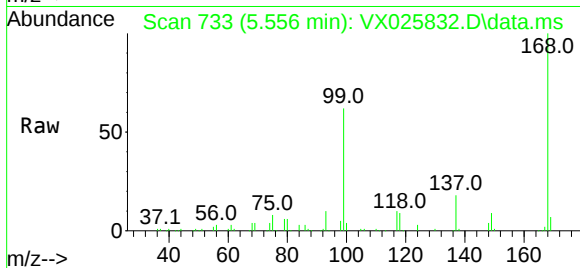
Quant Time: Dec 16 07:32:38 2021
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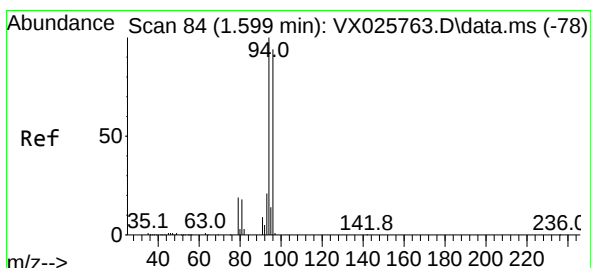
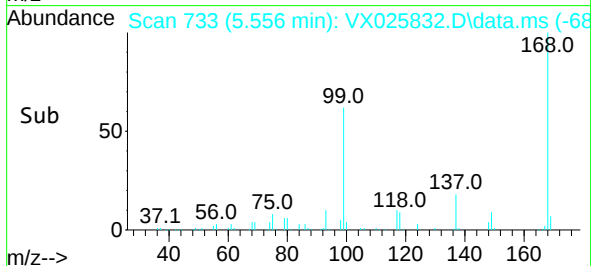
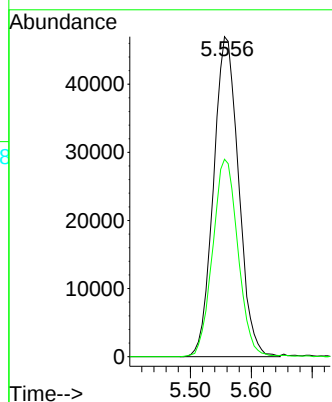


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025832.D
Acq: 15 Dec 2021 22:08

Instrument :
MSVOA_X
ClientSampleId :
BASE

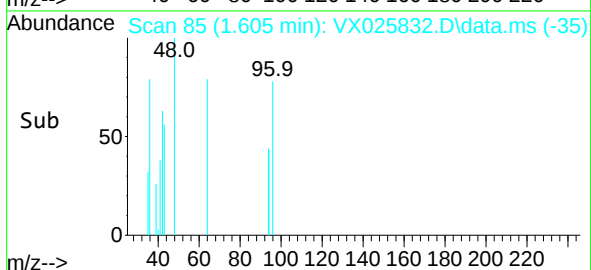
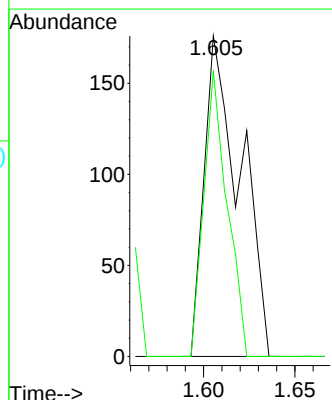
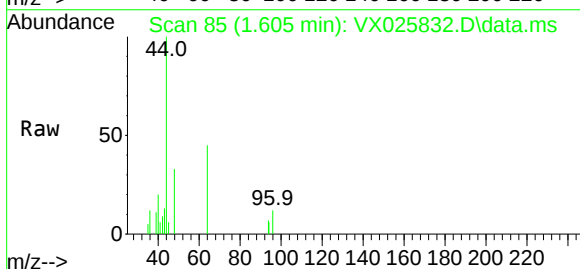


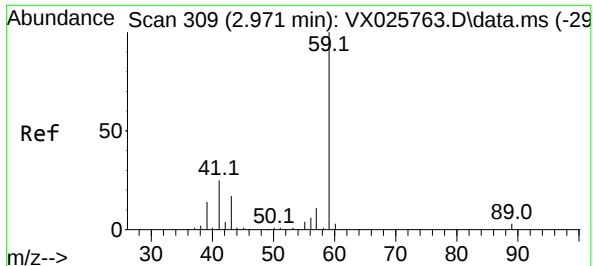
Tgt Ion:168 Resp: 134335
Ion Ratio Lower Upper
168 100
99 61.7 45.8 68.8



#5
Bromomethane
Concen: 0.204 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX025832.D
Acq: 15 Dec 2021 22:08

Tgt Ion: 94 Resp: 242
Ion Ratio Lower Upper
94 100
96 89.2 75.0 112.4





#11

Tert butyl alcohol

Concen: 7.294 ug/l

RT: 2.940 min Scan# 309

Delta R.T. -0.031 min

Lab File: VX025832.D

Acq: 15 Dec 2021 22:08

Instrument :

MSVOA_X

ClientSampleId :

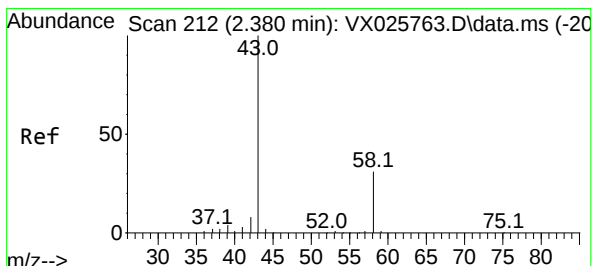
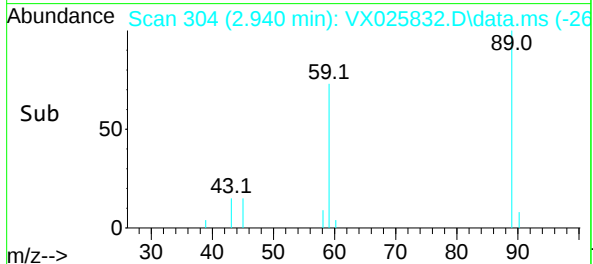
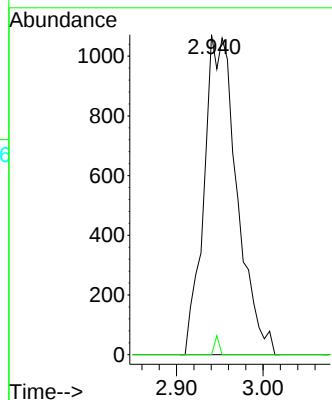
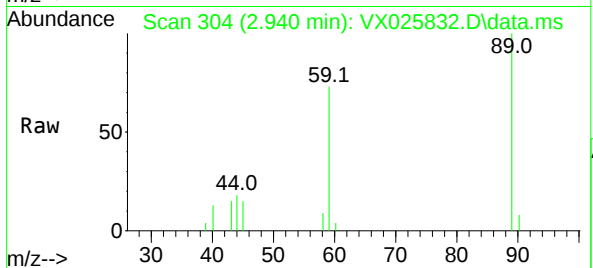
BASE

Tgt Ion: 59 Resp: 2828

Ion Ratio Lower Upper

59 100

57 0.8 8.2 12.2#



#16

Acetone

Concen: Below Cal

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX025832.D

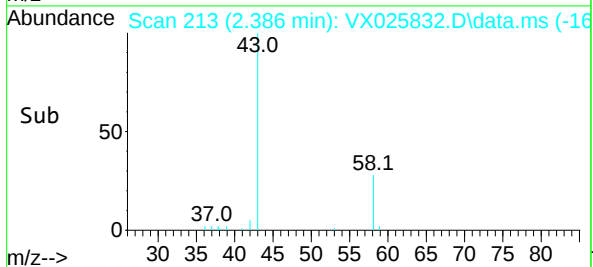
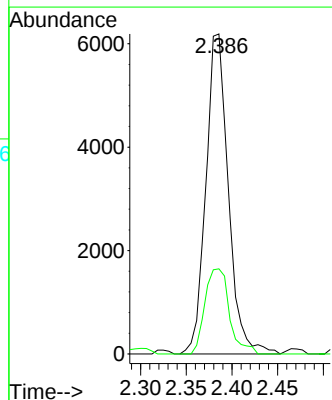
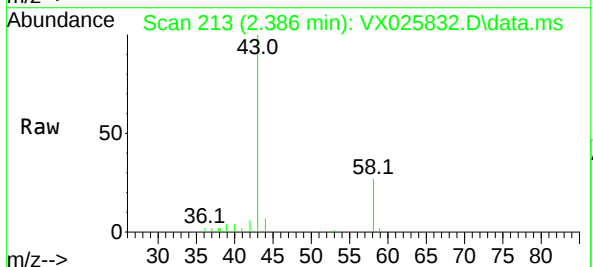
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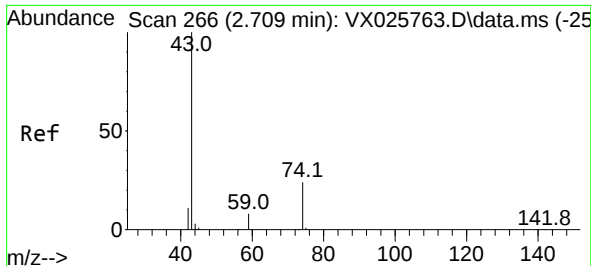
Tgt Ion: 43 Resp: 10586

Ion Ratio Lower Upper

43 100

58 26.6 24.8 37.2

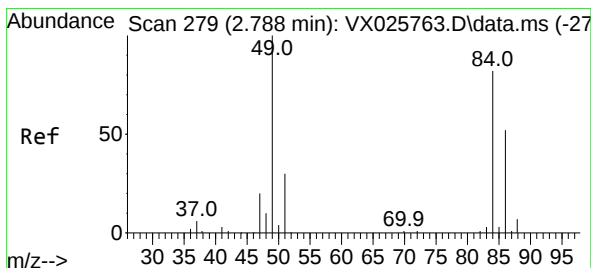
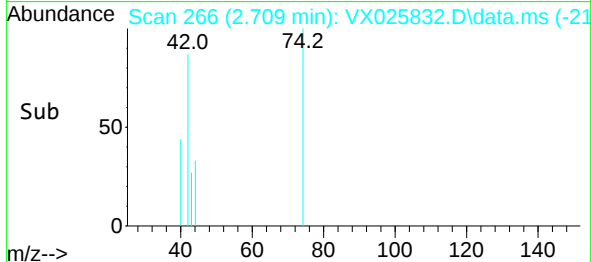
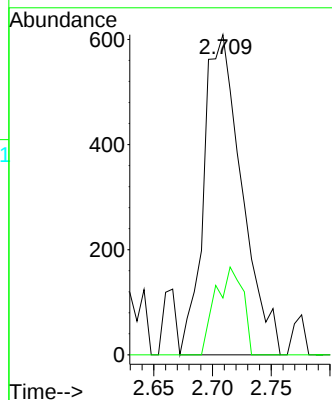
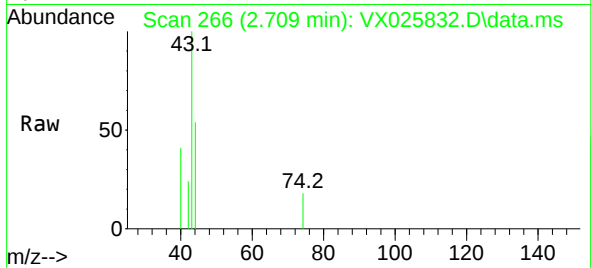




#18
Methyl Acetate
Concen: 0.465 ug/l
RT: 2.709 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX025832.D
Acq: 15 Dec 2021 22:08

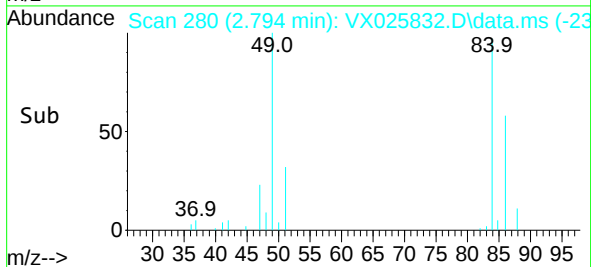
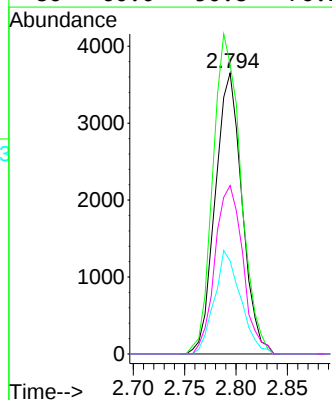
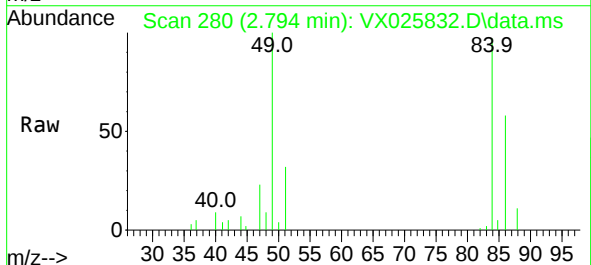
Instrument :
MSVOA_X
ClientSampleId :
BASE

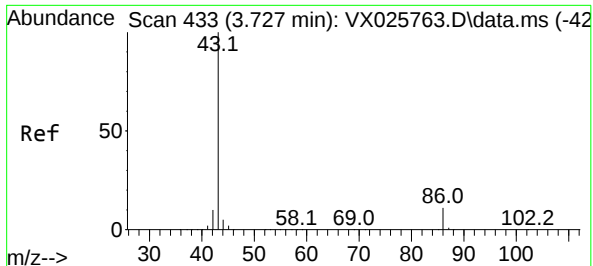
Tgt Ion: 43 Resp: 1371
Ion Ratio Lower Upper
43 100
74 19.6 19.1 28.7



#20
Methylene Chloride
Concen: 1.666 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX025832.D
Acq: 15 Dec 2021 22:08

Tgt Ion: 84 Resp: 6621
Ion Ratio Lower Upper
84 100
49 103.1 97.1 145.7
51 33.1 29.3 43.9
86 60.0 50.8 76.2

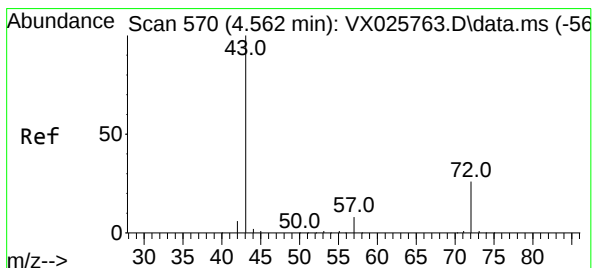
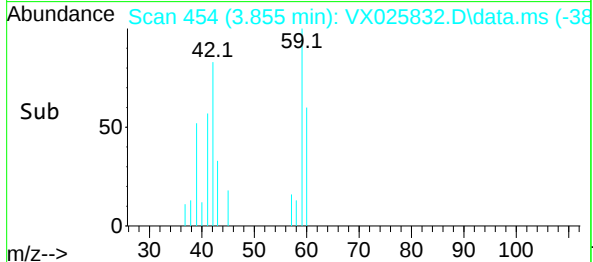
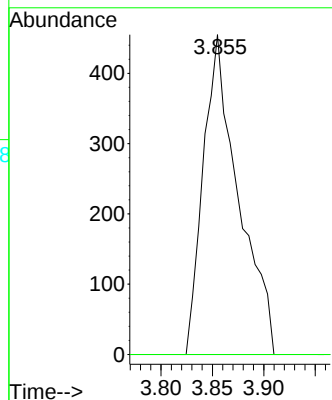
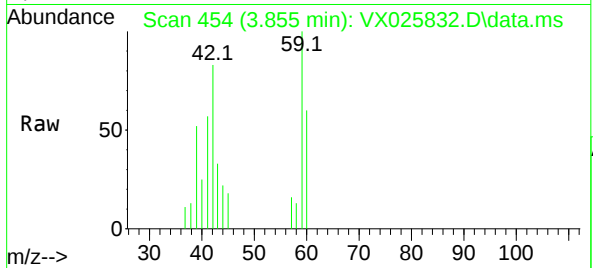




#23
 Vinyl Acetate
 Concen: 0.278 ug/l
 RT: 3.855 min Scan# 41
 Delta R.T. 0.128 min
 Lab File: VX025832.D
 Acq: 15 Dec 2021 22:08

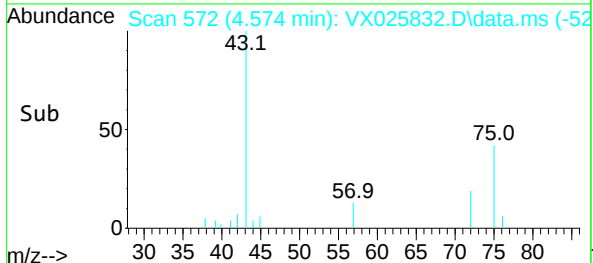
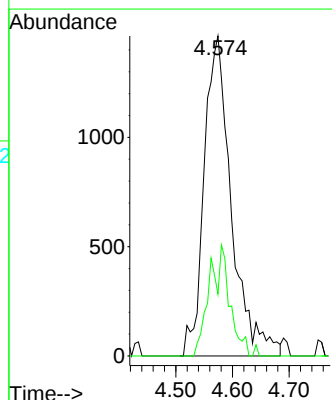
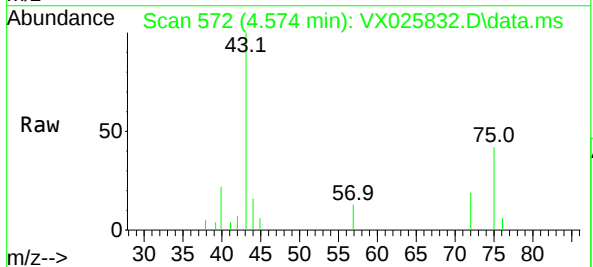
Instrument :
 MSVOA_X
 ClientSampleId :
 BASE

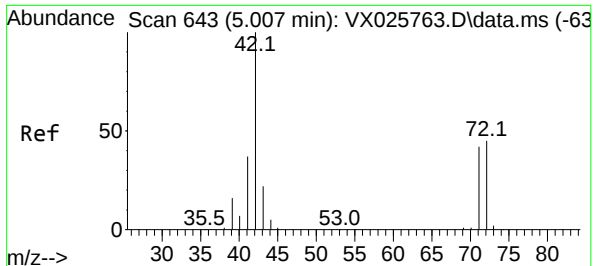
Tgt Ion: 43 Resp: 1083
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.0 13.6#



#25
 2-Butanone
 Concen: 3.767 ug/l
 RT: 4.574 min Scan# 572
 Delta R.T. 0.012 min
 Lab File: VX025832.D
 Acq: 15 Dec 2021 22:08

Tgt Ion: 43 Resp: 4897
 Ion Ratio Lower Upper
 43 100
 72 19.3 21.0 31.4#





#29

Tetrahydrofuran

Concen: 0.536 ug/l

RT: 5.032 min Scan# 643

Delta R.T. 0.024 min

Lab File: VX025832.D

Acq: 15 Dec 2021 22:08

Instrument :

MSVOA_X

ClientSampleId :

BASE

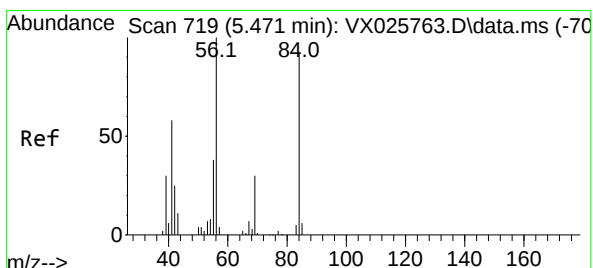
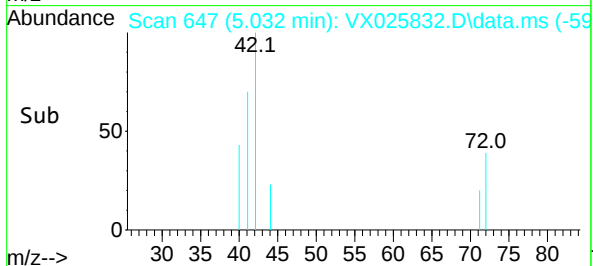
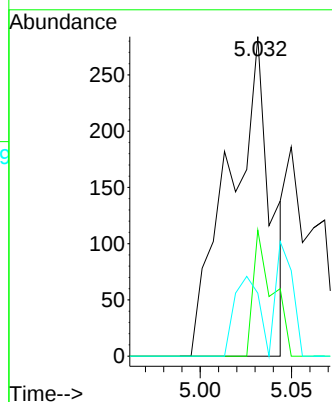
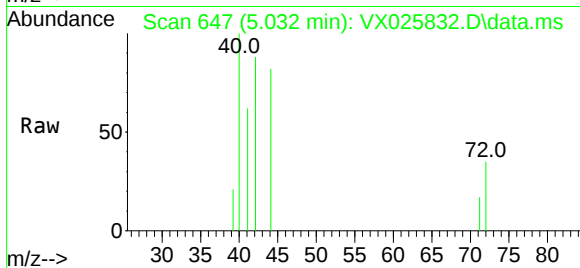
Tgt Ion: 42 Resp: 443

Ion Ratio Lower Upper

42 100

72 18.5 37.0 55.6#

71 15.1 34.1 51.1#



#31

Cyclohexane

Concen: 1.428 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX025832.D

Acq: 15 Dec 2021 22:08

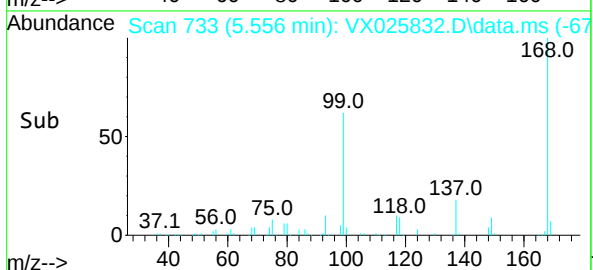
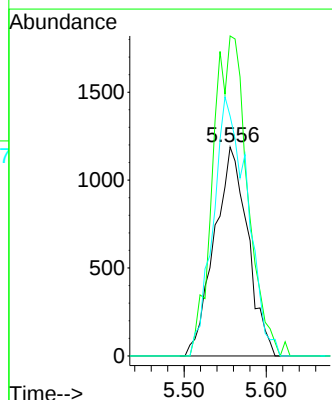
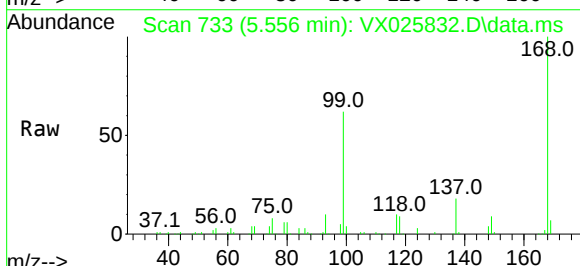
Tgt Ion: 56 Resp: 3357

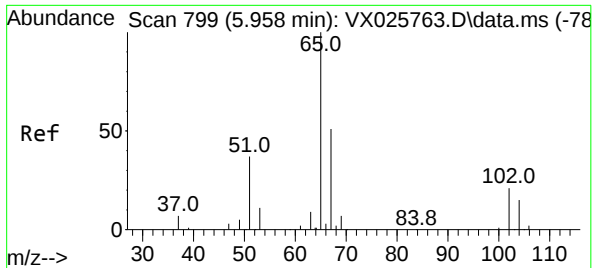
Ion Ratio Lower Upper

56 100

69 153.2 23.9 35.9#

84 114.8 73.2 109.8#





#33

1,2-Dichloroethane-d4

Concen: 48.716 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX025832.D

Acq: 15 Dec 2021 22:08

Instrument :

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ClientSampleId :

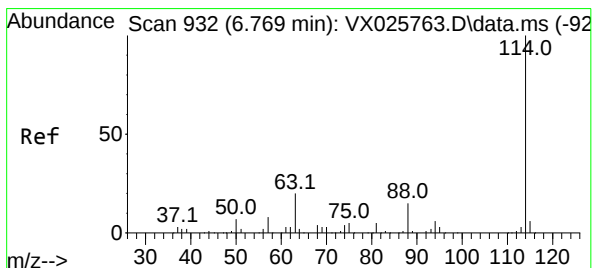
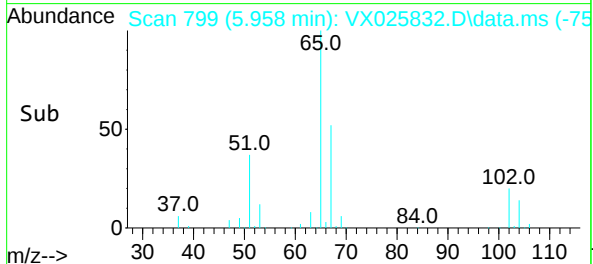
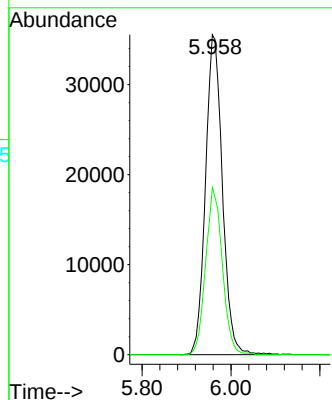
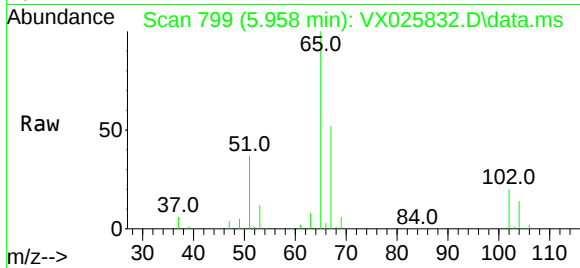
BASE

Tgt Ion: 65 Resp: 94160

Ion Ratio Lower Upper

65 100

67 51.5 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: VX025832.D

Acq: 15 Dec 2021 22:08

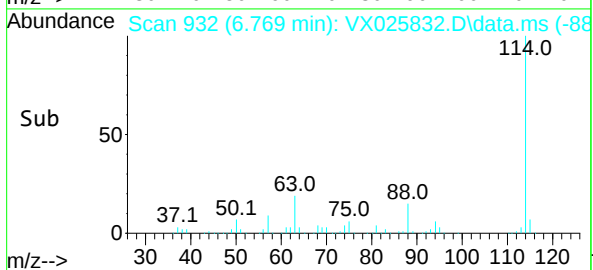
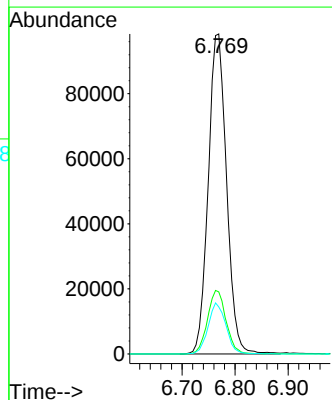
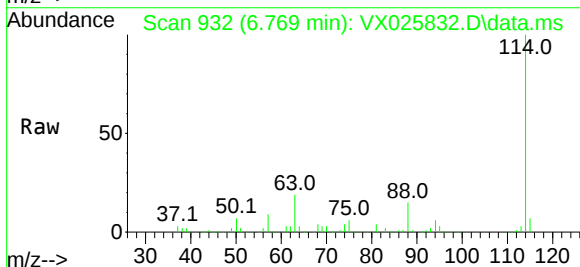
Tgt Ion: 114 Resp: 236130

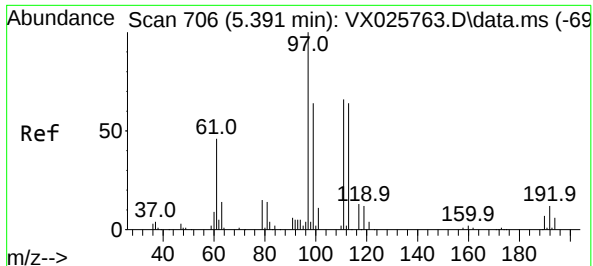
Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.0

88 14.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 46.621 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX025832.D

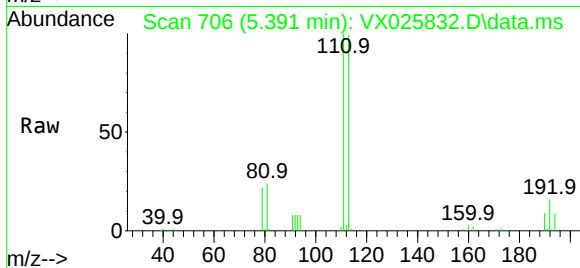
Acq: 15 Dec 2021 22:08

Instrument :

MSVOA_X

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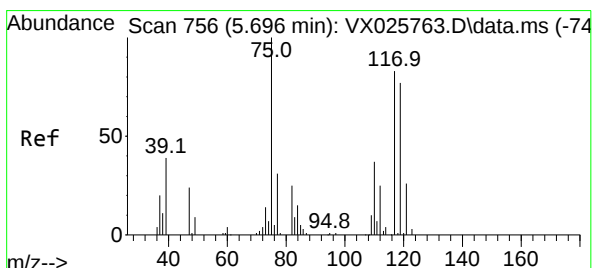
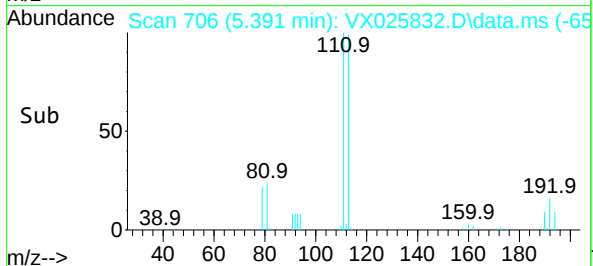
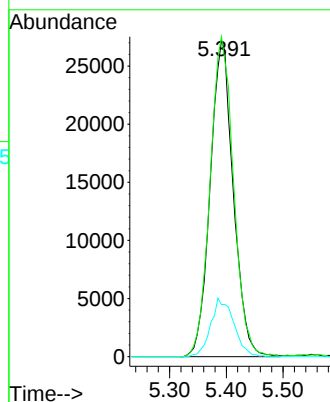
Tgt Ion:113 Resp: 76775

Ion Ratio Lower Upper

113 100

111 103.4 81.8 122.8

192 18.5 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.967 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX025832.D

Acq: 15 Dec 2021 22:08

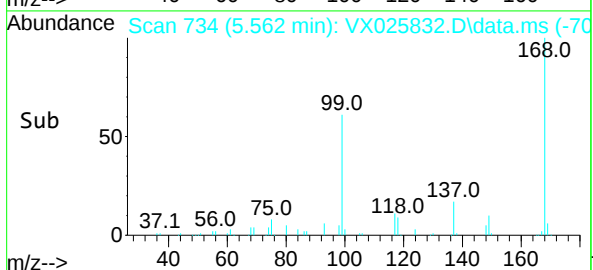
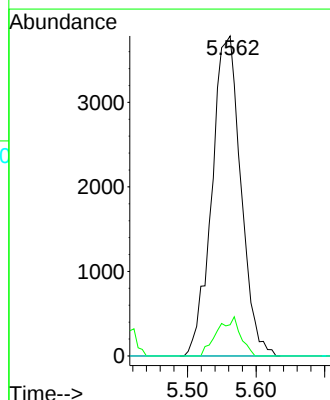
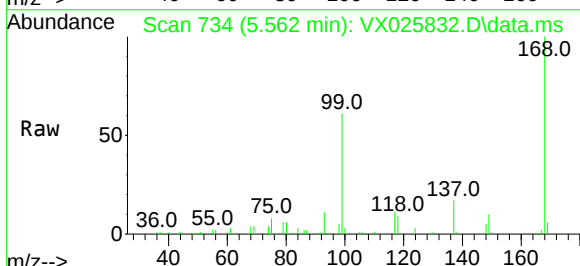
Tgt Ion: 75 Resp: 11092

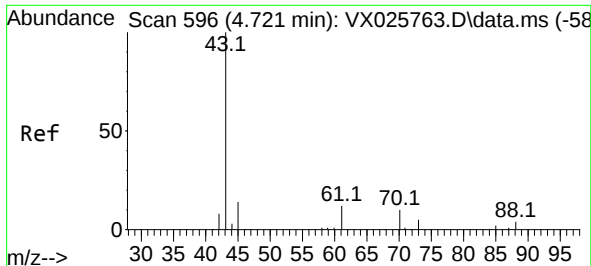
Ion Ratio Lower Upper

75 100

110 9.8 18.2 54.6#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.974 ug/l

RT: 4.574 min Scan# 51

Delta R.T. -0.146 min

Lab File: VX025832.D

Acq: 15 Dec 2021 22:08

Instrument :

MSVOA_X

ClientSampleId :

BASE

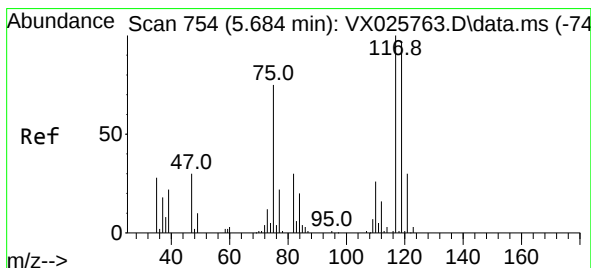
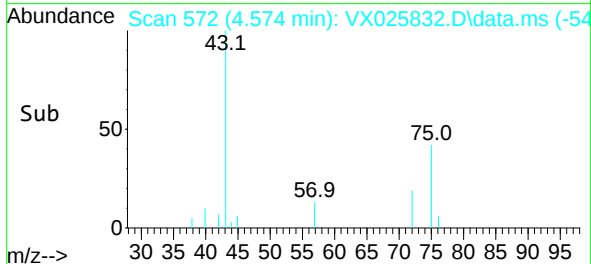
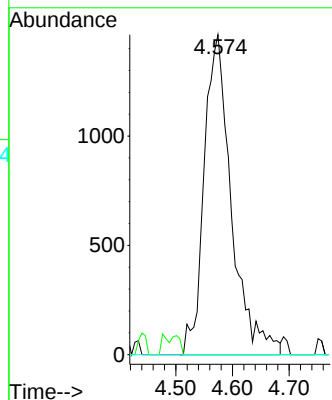
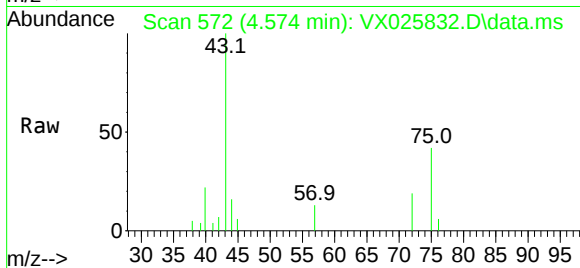
Tgt Ion: 43 Resp: 4897

Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

70 0.0 8.5 12.7#



#38

Carbon Tetrachloride

Concen: 5.558 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.122 min

Lab File: VX025832.D

Acq: 15 Dec 2021 22:08

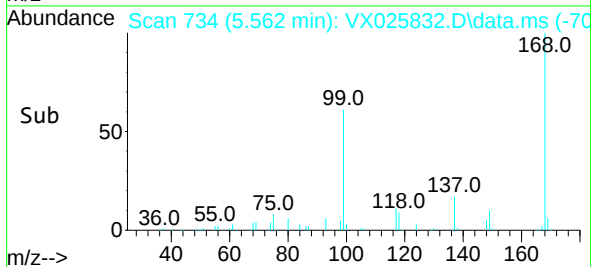
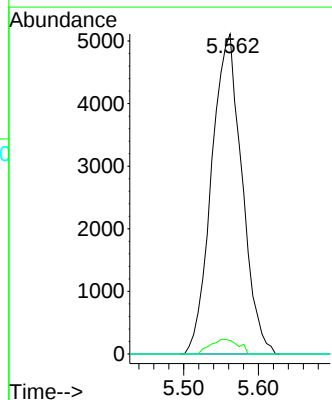
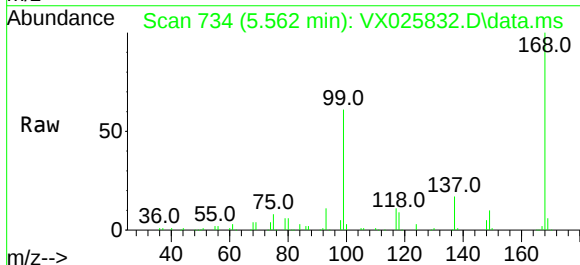
Tgt Ion: 117 Resp: 14441

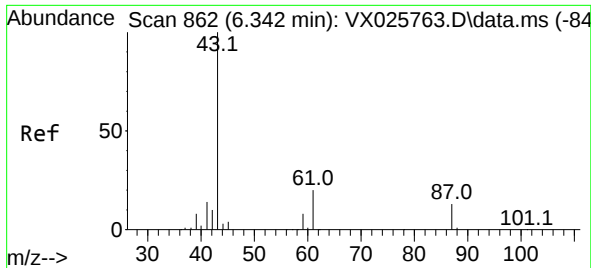
Ion Ratio Lower Upper

117 100

119 4.2 77.2 115.8#

121 0.0 23.8 35.8#

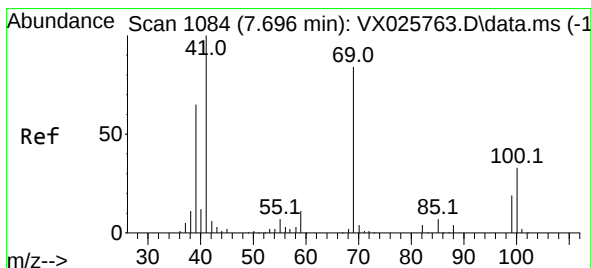
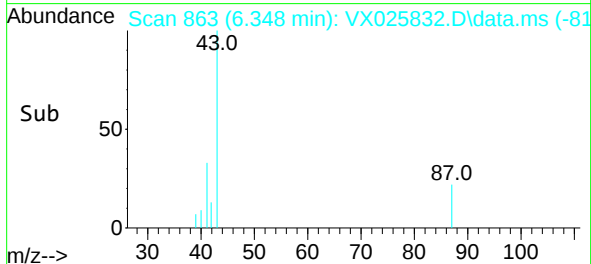
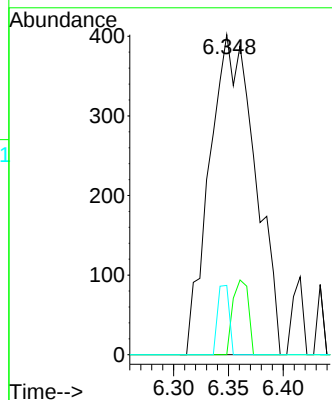
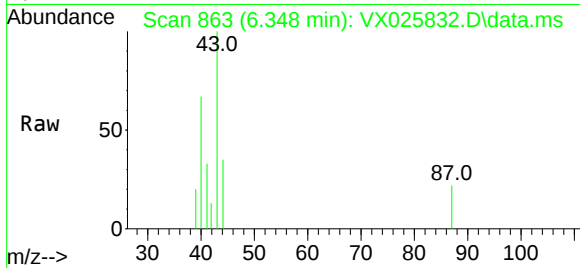




#43
Isopropyl Acetate
Concen: 0.290 ug/l
RT: 6.348 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX025832.D
Acq: 15 Dec 2021 22:08

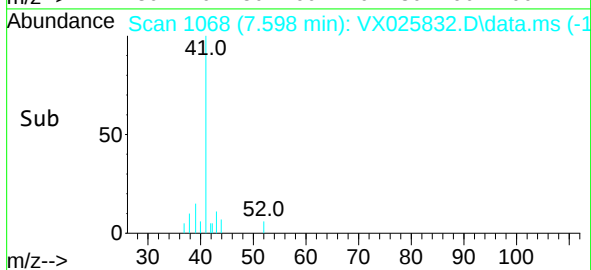
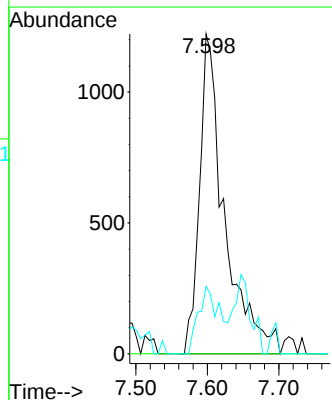
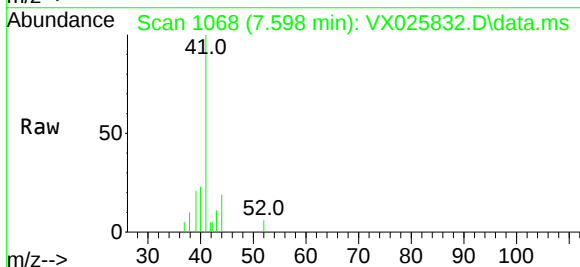
Instrument :
MSVOA_X
ClientSampleId :
BASE

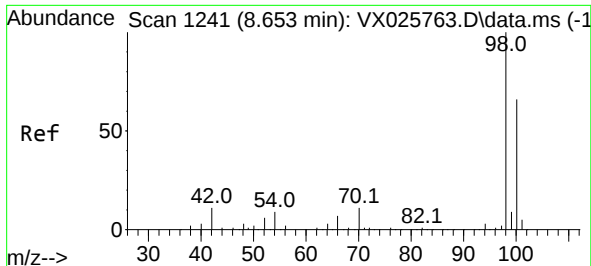
Tgt Ion: 43 Resp: 1161
Ion Ratio Lower Upper
43 100
61 7.9 15.7 23.5#
87 5.4 11.2 16.8#



#48
Methyl methacrylate
Concen: 1.575 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX025832.D
Acq: 15 Dec 2021 22:08

Tgt Ion: 41 Resp: 2965
Ion Ratio Lower Upper
41 100
69 0.0 67.3 100.9#
39 18.2 50.2 75.2#

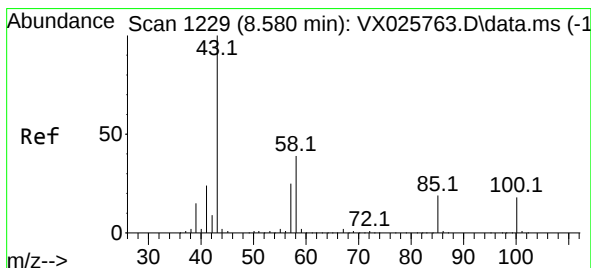
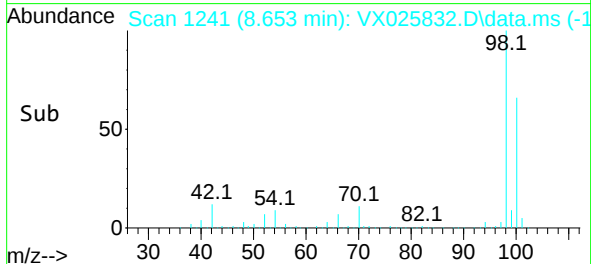
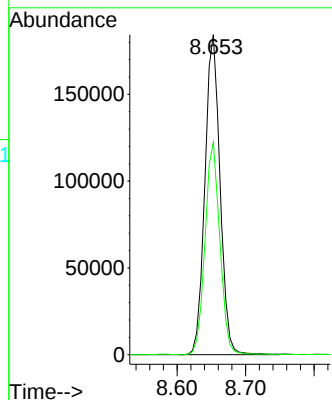
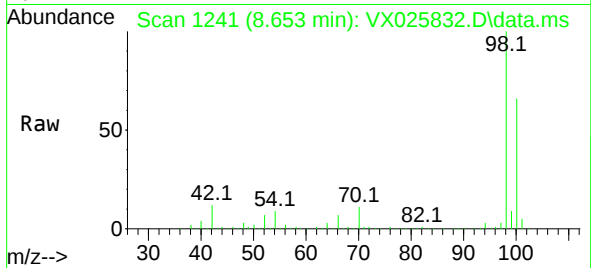




#50
Toluene-d8
Concen: 47.295 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025832.D
Acq: 15 Dec 2021 22:08

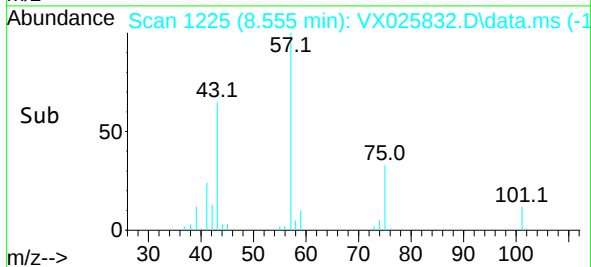
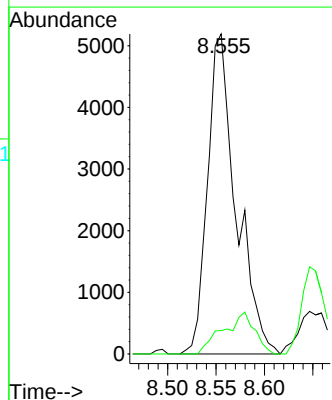
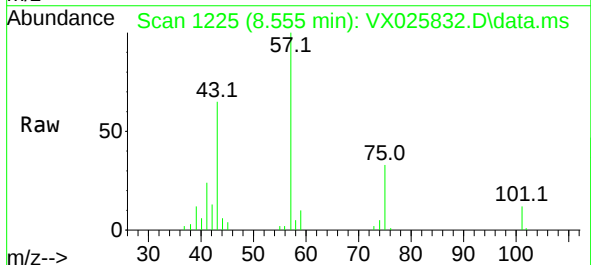
Instrument :
MSVOA_X
ClientSampleId :
BASE

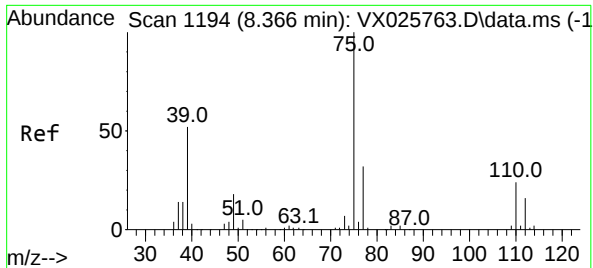
Tgt Ion: 98 Resp: 283775
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 4.083 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX025832.D
Acq: 15 Dec 2021 22:08

Tgt Ion: 43 Resp: 10685
Ion Ratio Lower Upper
43 100
58 0.0 30.8 46.2#

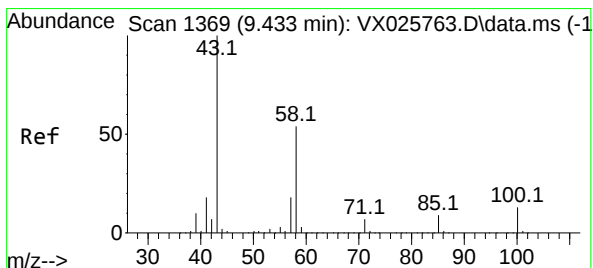
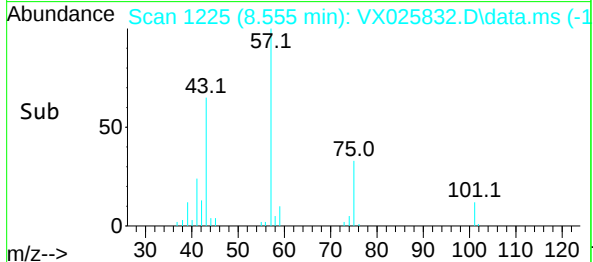
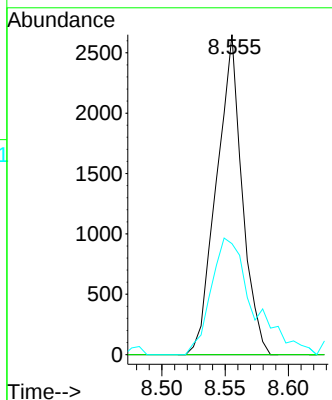
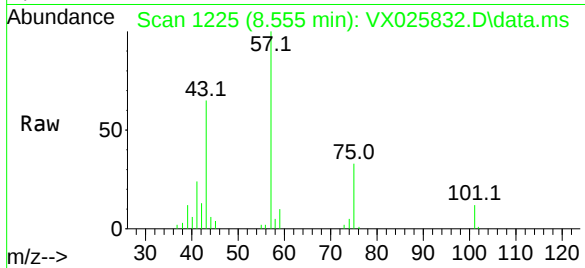




#54
 cis-1,3-Dichloropropene
 Concen: 1.386 ug/l
 RT: 8.555 min Scan# 1194
 Delta R.T. 0.189 min
 Lab File: VX025832.D
 Acq: 15 Dec 2021 22:08

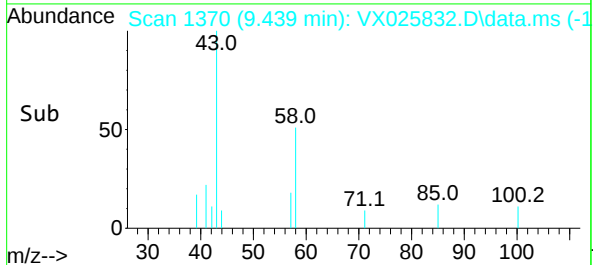
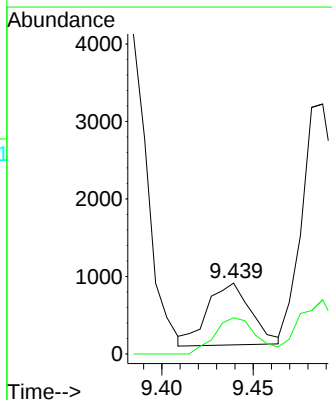
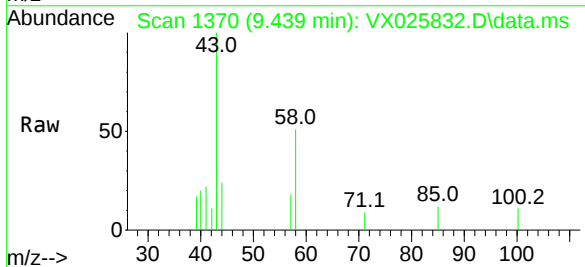
Instrument :
 MSVOA_X
 ClientSampleId :
 BASE

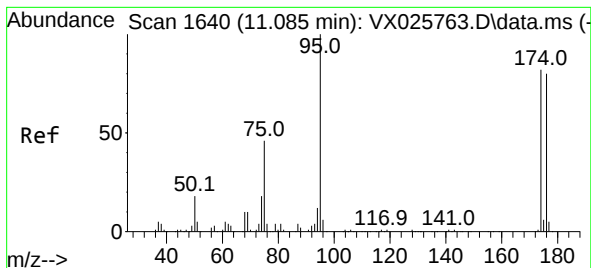
Tgt Ion: 75 Resp: 3723
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 34.7 41.4 62.0#



#59
 2-Hexanone
 Concen: 0.668 ug/l
 RT: 9.439 min Scan# 1370
 Delta R.T. 0.006 min
 Lab File: VX025832.D
 Acq: 15 Dec 2021 22:08

Tgt Ion: 43 Resp: 1324
 Ion Ratio Lower Upper
 43 100
 58 56.3 26.9 80.6

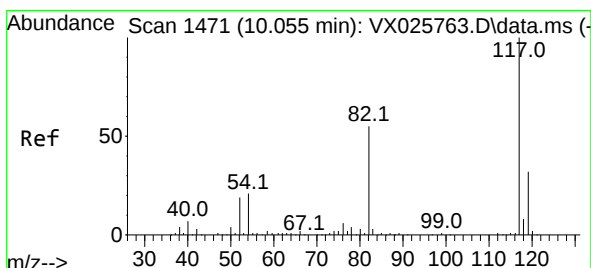
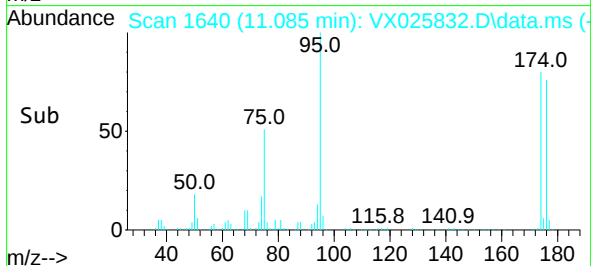
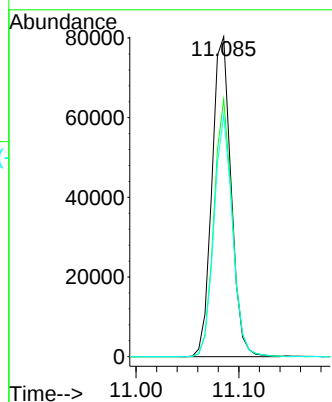
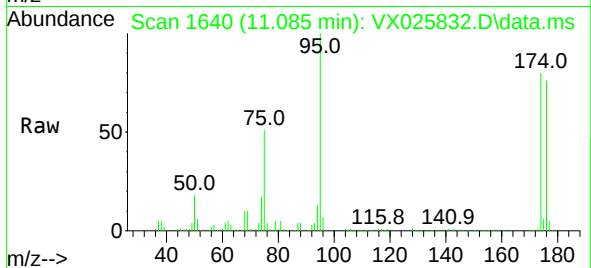




#62
4-Bromofluorobenzene
Concen: 45.586 ug/l
RT: 11.085 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX025832.D
Acq: 15 Dec 2021 22:08

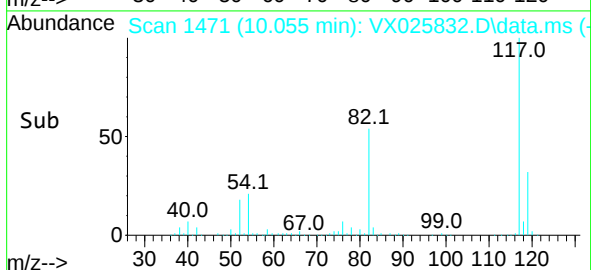
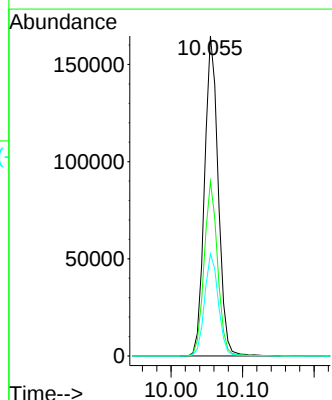
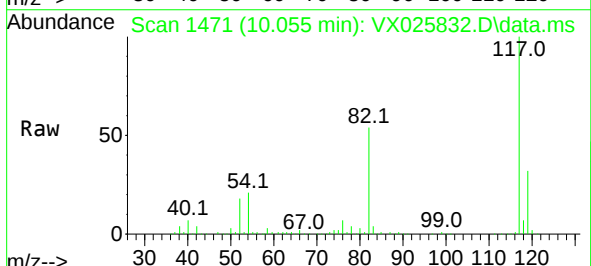
Instrument :
MSVOA_X
ClientSampleId :
BASE

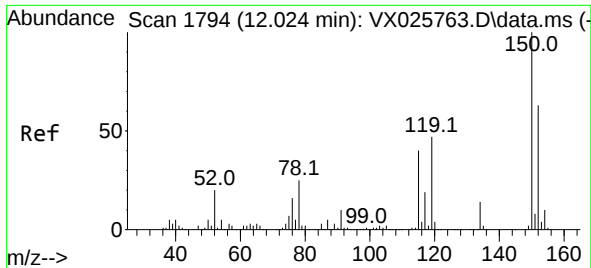
Tgt Ion: 95 Resp: 103900
Ion Ratio Lower Upper
95 100
174 77.2 0.0 157.4
176 73.5 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025832.D
Acq: 15 Dec 2021 22:08

Tgt Ion: 117 Resp: 218859
Ion Ratio Lower Upper
117 100
82 54.5 43.8 65.6
119 31.9 25.2 37.8

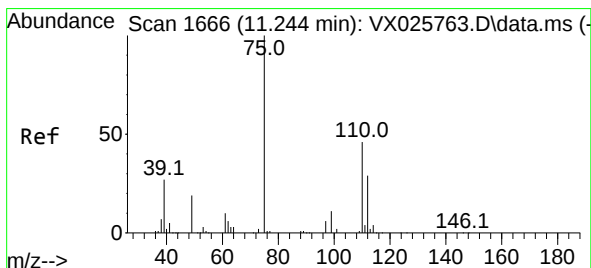
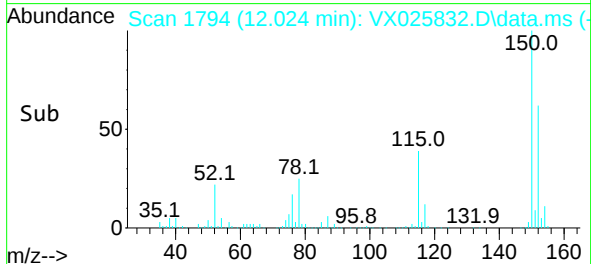
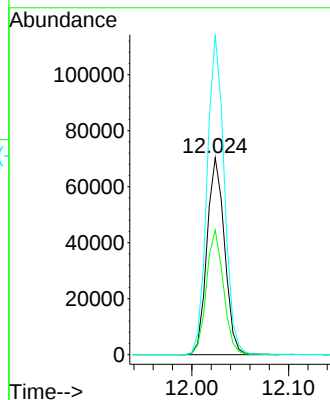
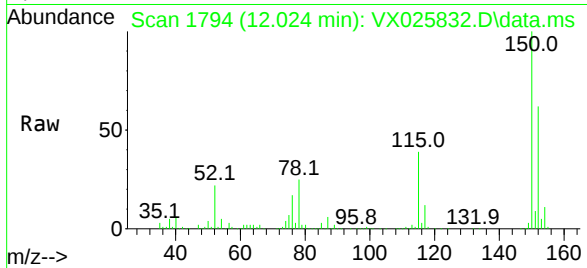




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025832.D
Acq: 15 Dec 2021 22:08

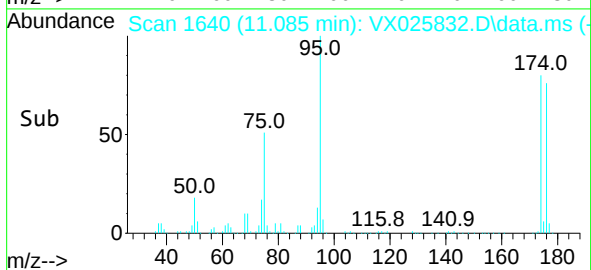
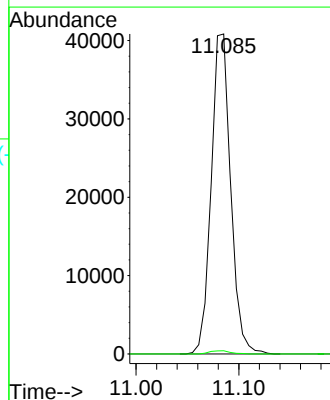
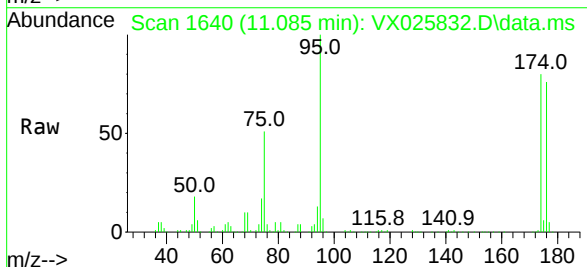
Instrument :
MSVOA_X
ClientSampleId :
BASE

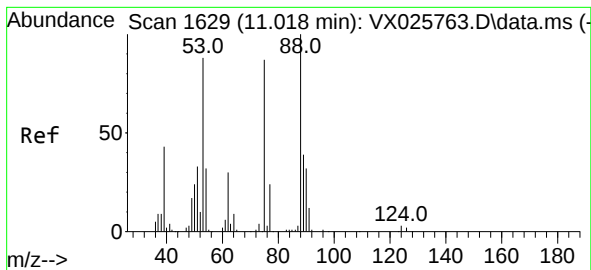
Tgt Ion:152 Resp: 88930
Ion Ratio Lower Upper
152 100
115 61.6 41.3 123.9
150 158.7 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 26.419 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX025832.D
Acq: 15 Dec 2021 22:08

Tgt Ion: 75 Resp: 53830
Ion Ratio Lower Upper
75 100
77 1.1 19.0 57.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.906 ug/l
 RT: 11.085 min Scan# 11
 Delta R.T. 0.067 min
 Lab File: VX025832.D
 Acq: 15 Dec 2021 22:08

Instrument :
 MSVOA_X
 ClientSampleId :
 BASE

Tgt Ion: 75 Resp: 53830
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.5 119.3#
 89 0.0 38.3 57.5#

