

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103124\
 Data File : VX043649.D
 Acq On : 31 Oct 2024 14:27
 Operator : JC/MD
 Sample : P4646-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 241030069-01-VOA

Quant Time: Nov 01 00:53:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

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

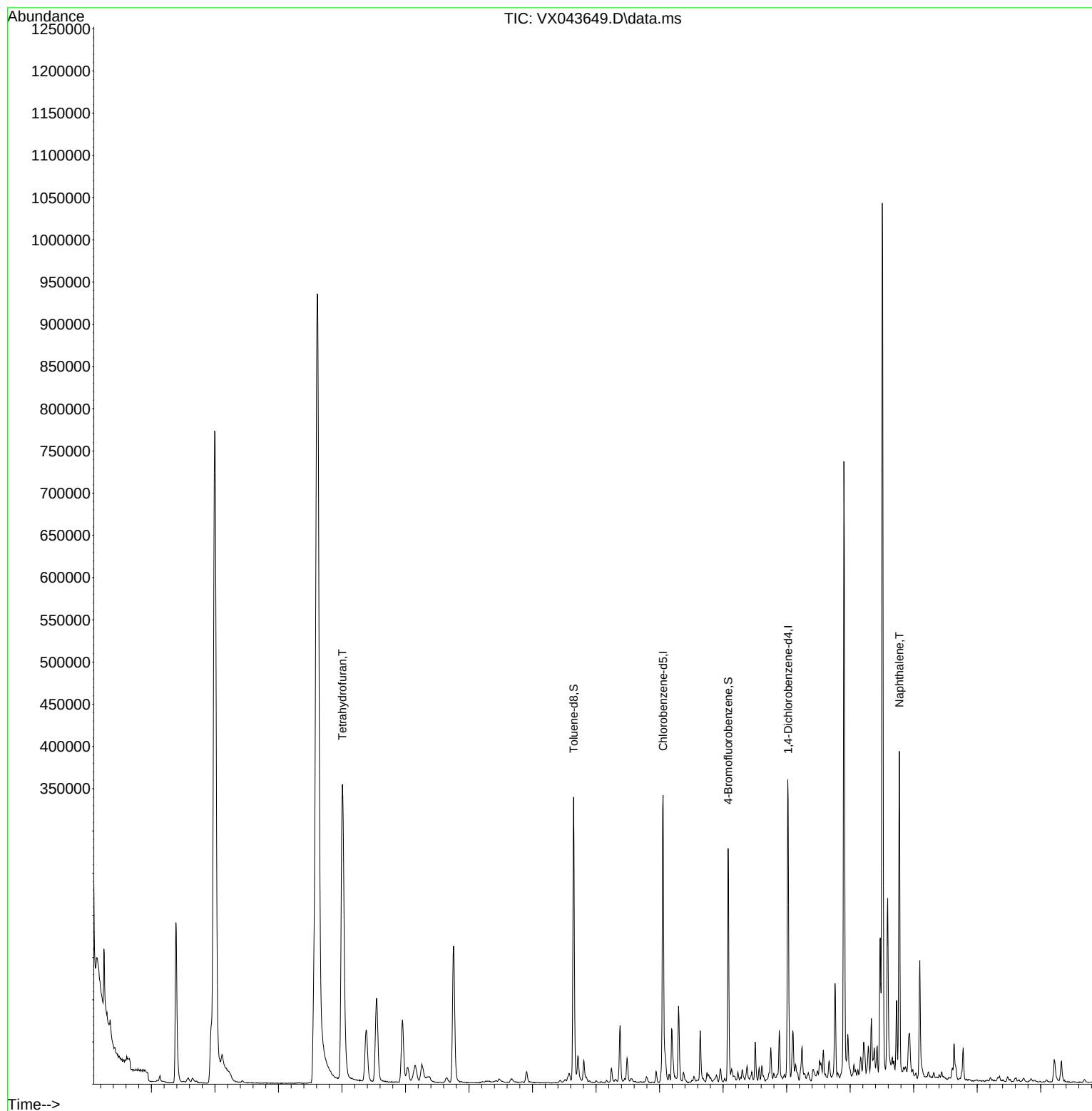
Internal Standards						
1) Pentafluorobenzene	5.544	168	97314	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	180518	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	165303	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	73845	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	71153	45.855	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.720%		
35) Dibromofluoromethane	5.379	113	55808	45.592	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.180%		
50) Toluene-d8	8.647	98	214982	50.735	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.480%		
62) 4-Bromofluorobenzene	11.079	95	78370	49.912	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.820%		
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	522	0.423	ug/l #	73
8) Diethyl Ether	2.136	74	2016	2.893	ug/l	75
16) Acetone	2.386	43	212295	344.531	ug/l	98
17) Carbon Disulfide	2.502	76	1236	0.567	ug/l #	93
18) Methyl Acetate	2.703	43	2003	1.112	ug/l	91
19) Methyl tert-butyl Ether	3.111	73	13427	3.387	ug/l #	85
25) 2-Butanone	4.562	43	260972	290.344	ug/l	95
29) Tetrahydrofuran	5.007	42	358434	613.627	ug/l	98
40) Benzene	6.038	78	23072	4.765	ug/l	95
49) 1,4-Dioxane	7.677	88	3578	126.047	ug/l #	82
51) 4-Methyl-2-Pentanone	8.574	43	7496	4.220	ug/l	89
52) Toluene	8.720	92	8879	3.024	ug/l	99
65) Chlorobenzene	10.079	112	5115	1.438	ug/l #	81
67) Ethyl Benzene	10.189	91	40500	6.984	ug/l	97
68) m/p-Xylenes	10.299	106	21543	9.714	ug/l	97
69) o-Xylene	10.640	106	13826	6.205	ug/l	97
70) Styrene	10.659	104	2150	0.581	ug/l #	1
73) Isopropylbenzene	10.963	105	5501	1.052	ug/l	89
78) n-propylbenzene	11.305	91	3132	0.549	ug/l	93
79) 2-Chlorotoluene	11.366	91	2188	0.579	ug/l	82
80) 1,3,5-Trimethylbenzene	11.451	105	4045	0.927	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	16916	3.806	ug/l	89
86) p-Isopropyltoluene	12.012	119	5686	1.287	ug/l	89
88) 1,4-Dichlorobenzene	12.043	146	10973	4.374	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	1071	0.433	ug/l	86
95) Naphthalene	13.774	128	225475	39.212	ug/l	99

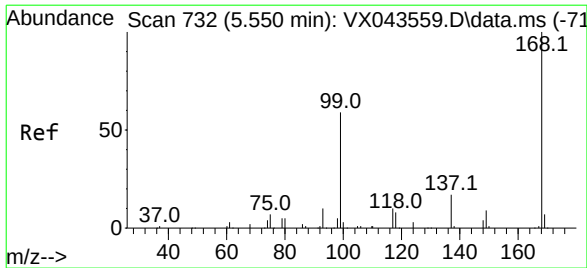
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103124\
Data File : VX043649.D
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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
241030069-01-VOA

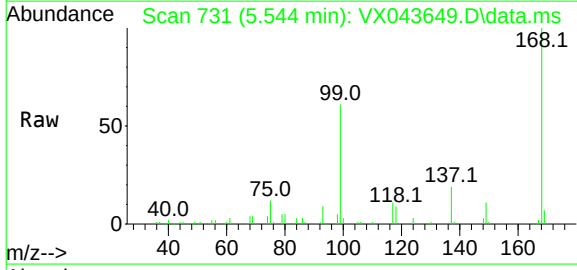
Quant Time: Nov 01 00:53:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration



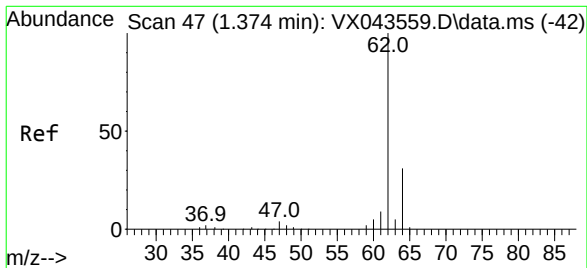
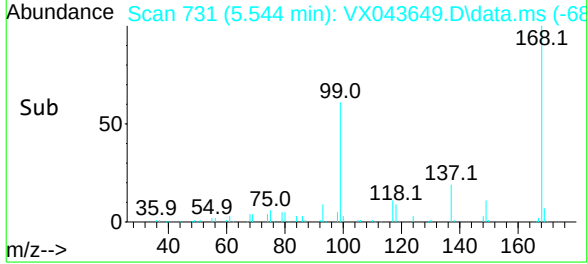
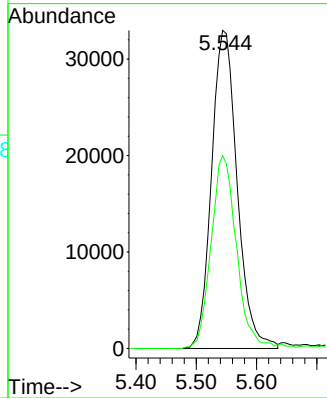


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX043649.D
Acq: 31 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
241030069-01-VOA

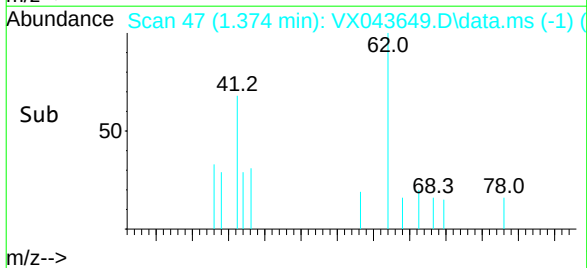
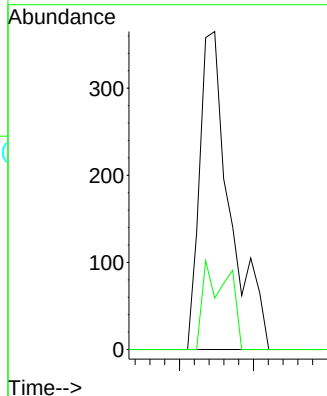
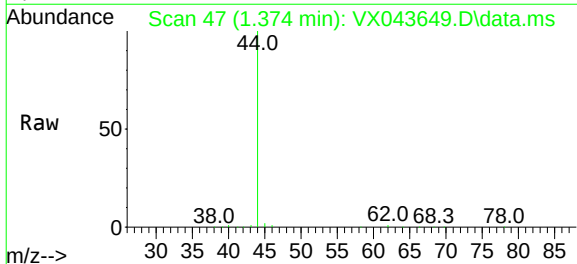


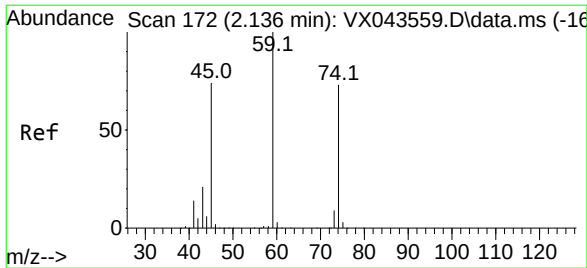
Tgt Ion: 168 Resp: 97314
Ion Ratio Lower Upper
168 100
99 60.6 52.6 78.8



#4
Vinyl Chloride
Concen: 0.423 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043649.D
Acq: 31 Oct 2024 14:27

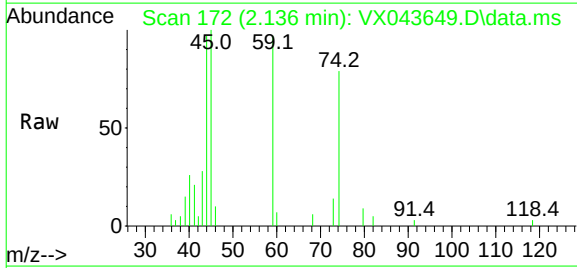
Tgt Ion: 62 Resp: 522
Ion Ratio Lower Upper
62 100
64 16.2 25.0 37.4#



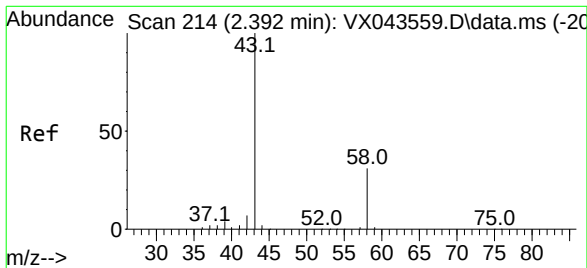
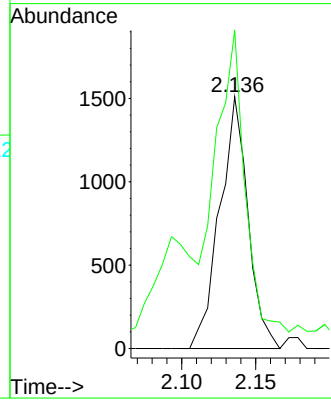
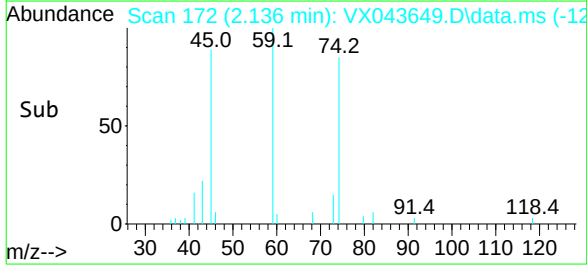


#8
Diethyl Ether
Concen: 2.893 ug/l
RT: 2.136 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043649.D
Acq: 31 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
241030069-01-VOA

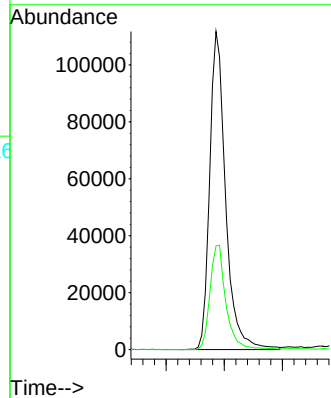
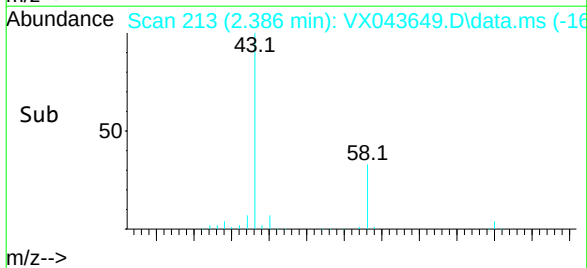
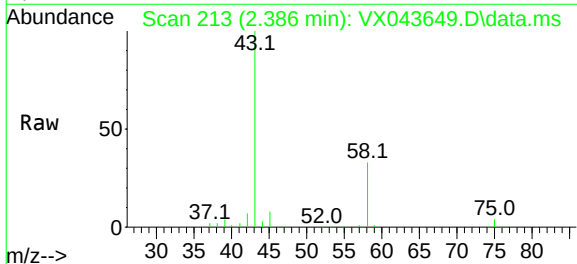


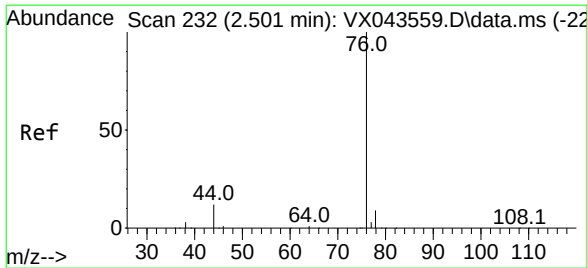
Tgt Ion: 74 Resp: 2016
Ion Ratio Lower Upper
74 100
45 119.2 47.5 142.5



#16
Acetone
Concen: 344.531 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.012 min
Lab File: VX043649.D
Acq: 31 Oct 2024 14:27

Tgt Ion: 43 Resp: 212295
Ion Ratio Lower Upper
43 100
58 32.6 25.1 37.7

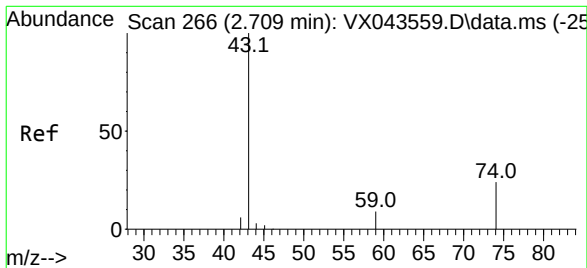
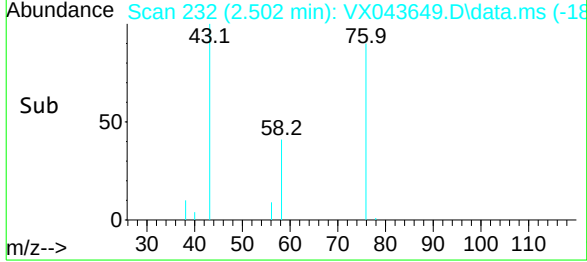
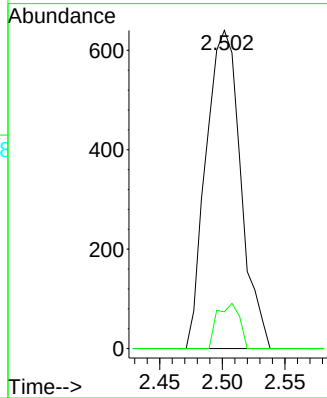
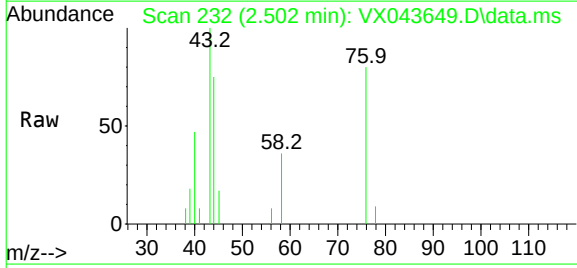




#17
Carbon Disulfide
Concen: 0.567 ug/l
RT: 2.502 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX043649.D
Acq: 31 Oct 2024 14:27

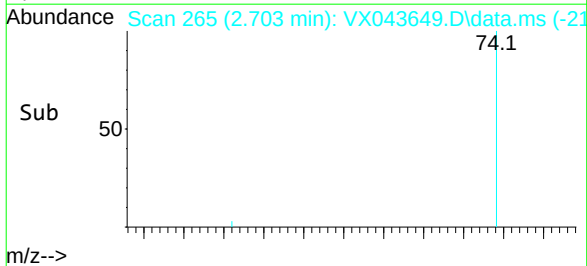
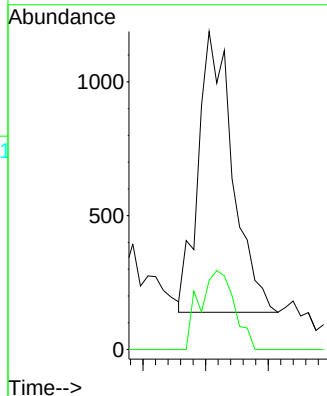
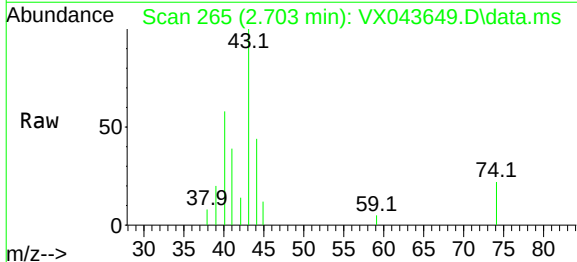
Instrument :
MSVOA_X
ClientSampleId :
241030069-01-VOA

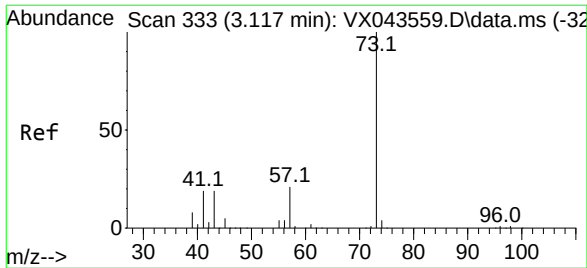
Tgt Ion: 76 Resp: 1236
Ion Ratio Lower Upper
76 100
78 11.6 7.1 10.7#



#18
Methyl Acetate
Concen: 1.112 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX043649.D
Acq: 31 Oct 2024 14:27

Tgt Ion: 43 Resp: 2003
Ion Ratio Lower Upper
43 100
74 28.4 19.1 28.7

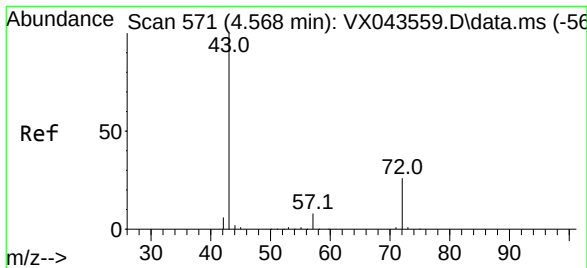
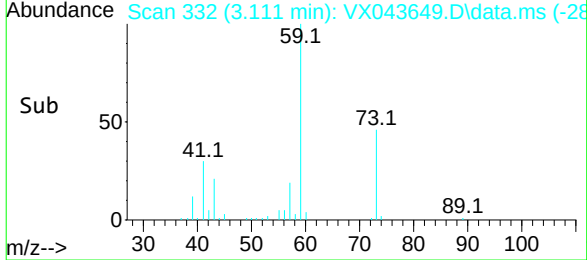
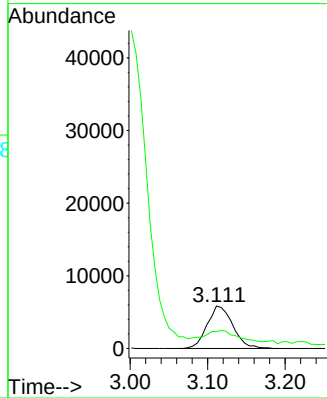
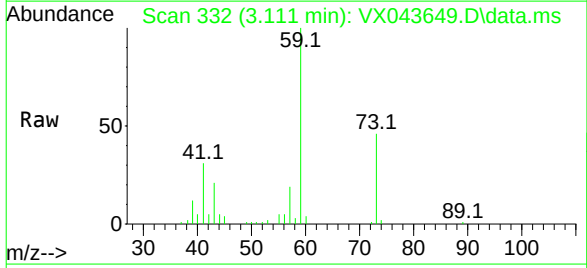




#19
Methyl tert-butyl Ether
Concen: 3.387 ug/l
RT: 3.111 min Scan# 333
Delta R.T. -0.012 min
Lab File: VX043649.D
Acq: 31 Oct 2024 14:27

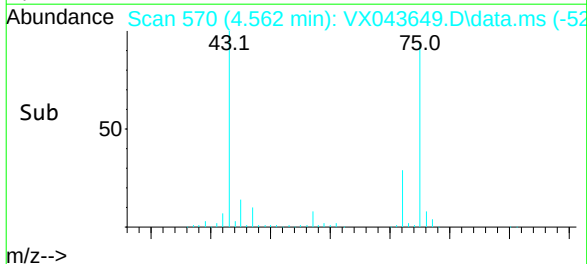
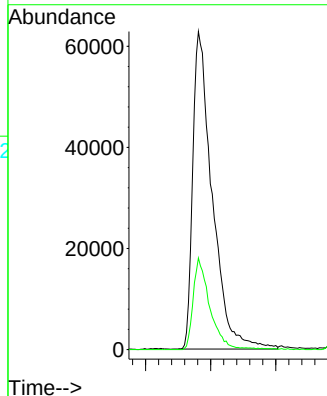
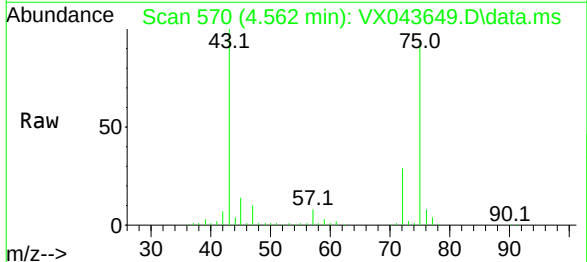
Instrument :
MSVOA_X
ClientSampleId :
241030069-01-VOA

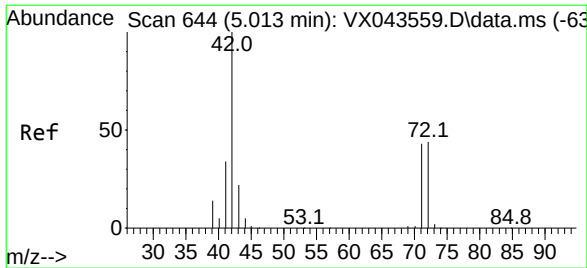
Tgt Ion: 73 Resp: 13427
Ion Ratio Lower Upper
73 100
57 29.3 17.7 26.5#



#25
2-Butanone
Concen: 290.344 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.006 min
Lab File: VX043649.D
Acq: 31 Oct 2024 14:27

Tgt Ion: 43 Resp: 260972
Ion Ratio Lower Upper
43 100
72 28.8 21.1 31.7





#29

Tetrahydrofuran

Concen: 613.627 ug/l

RT: 5.007 min Scan# 64

Delta R.T. -0.006 min

Lab File: VX043649.D

Acq: 31 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

241030069-01-VOA

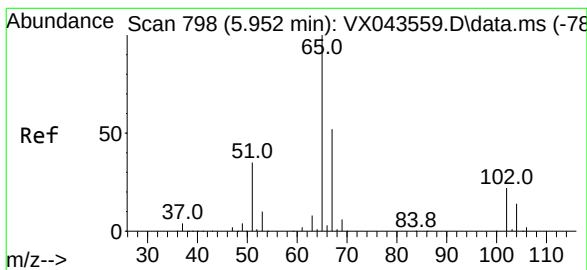
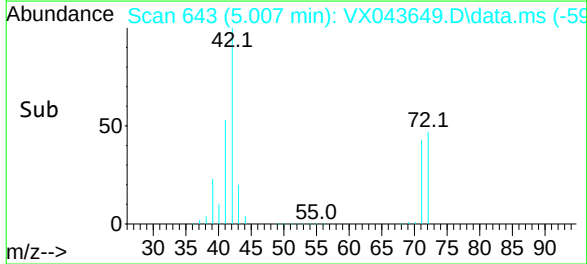
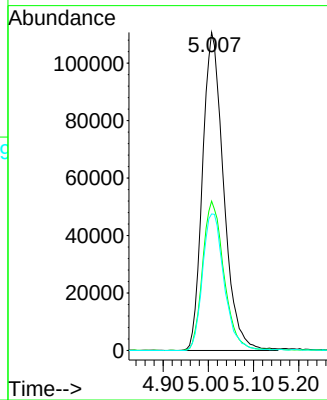
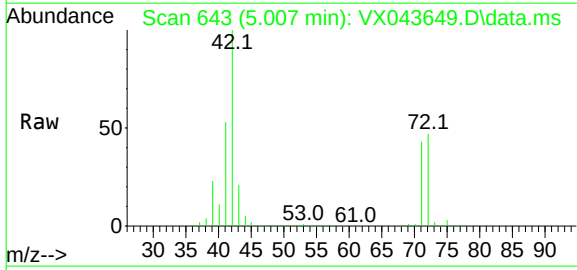
Tgt Ion: 42 Resp: 358434

Ion Ratio Lower Upper

42 100

72 47.5 36.6 55.0

71 44.0 34.2 51.4



#33

1,2-Dichloroethane-d4

Concen: 45.855 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX043649.D

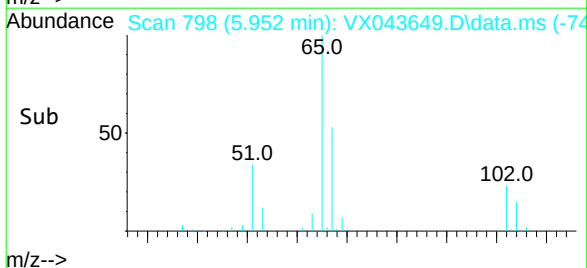
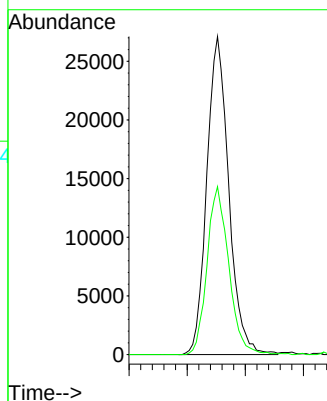
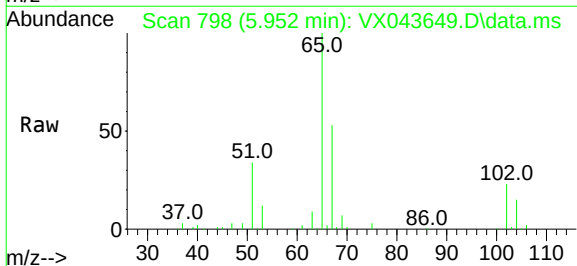
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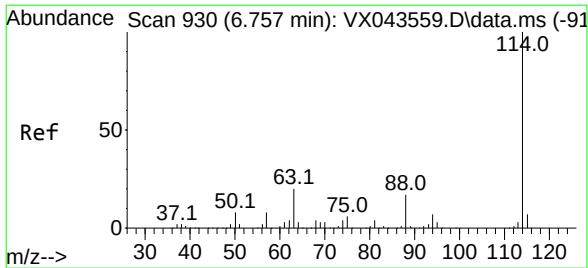
Tgt Ion: 65 Resp: 71153

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.4

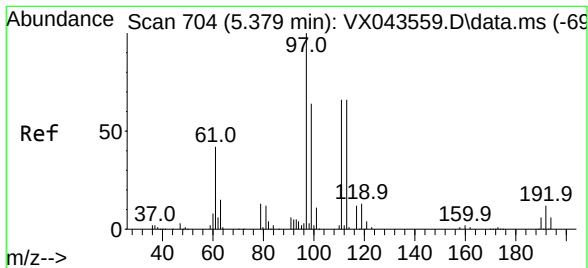
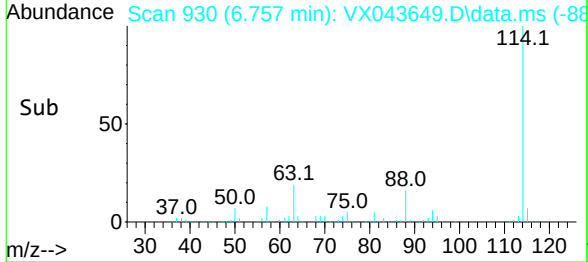
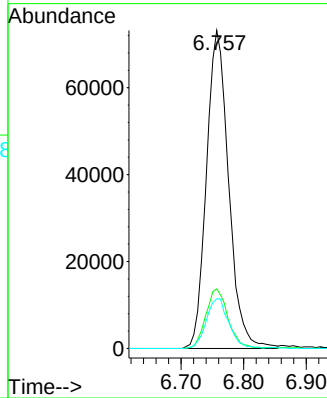
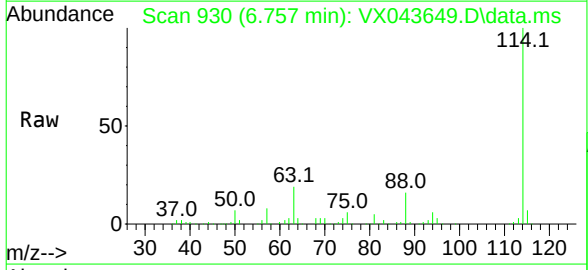




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043649.D
Acq: 31 Oct 2024 14:27

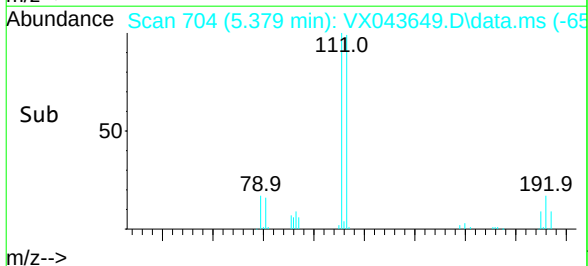
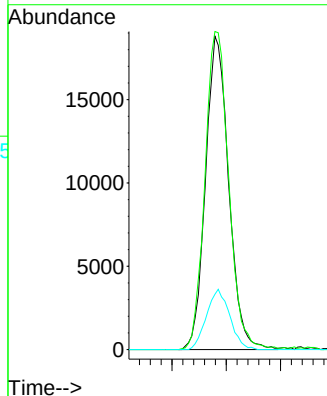
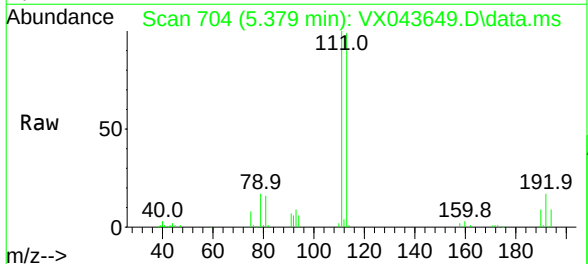
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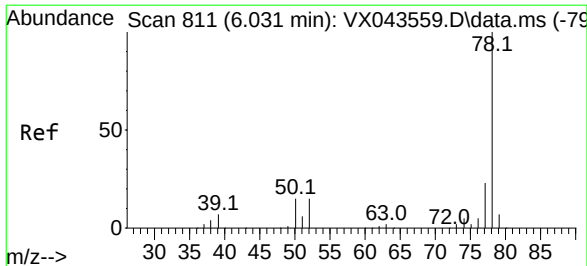
Tgt Ion:	114	Resp:	180518
Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	41.2
88	15.6	0.0	34.0



#35
Dibromofluoromethane
Concen: 45.592 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX043649.D
Acq: 31 Oct 2024 14:27

Tgt Ion:	113	Resp:	55808
Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.4	122.0
192	19.3	14.1	21.1





#40

Benzene

Concen: 4.765 ug/l

RT: 6.038 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX043649.D

Acq: 31 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

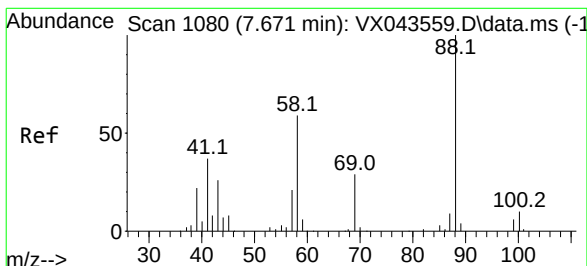
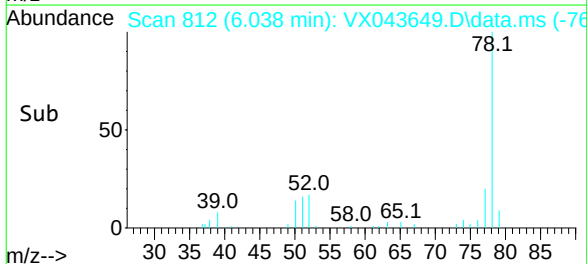
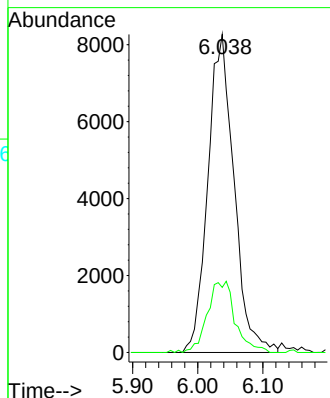
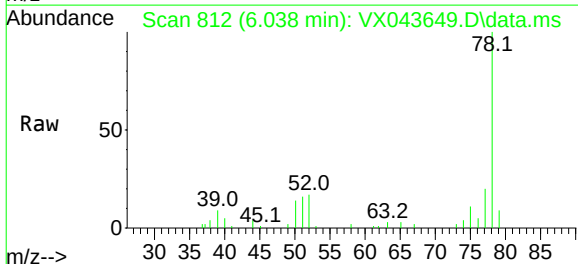
241030069-01-VOA

Tgt Ion: 78 Resp: 23072

Ion Ratio Lower Upper

78 100

77 20.5 18.4 27.6



#49

1,4-Dioxane

Concen: 126.047 ug/l

RT: 7.677 min Scan# 1081

Delta R.T. 0.006 min

Lab File: VX043649.D

Acq: 31 Oct 2024 14:27

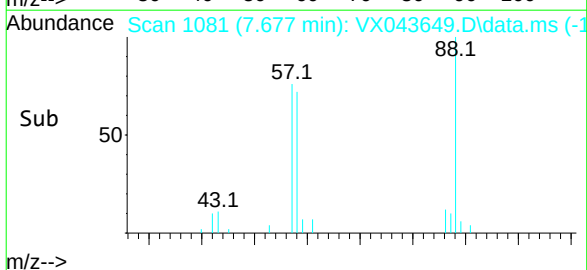
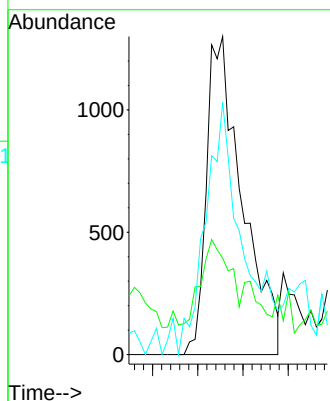
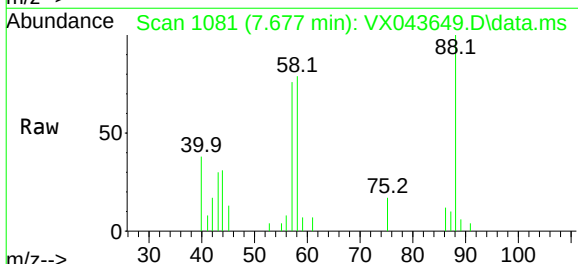
Tgt Ion: 88 Resp: 3578

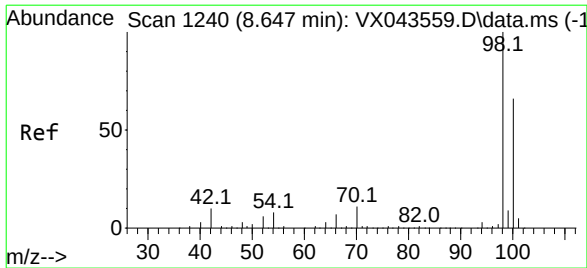
Ion Ratio Lower Upper

88 100

43 21.2 25.3 37.9#

58 81.7 53.9 80.9#





#50

Toluene-d8

Concen: 50.735 ug/l

RT: 8.647 min Scan# 12

Delta R.T. 0.000 min

Lab File: VX043649.D

Acq: 31 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

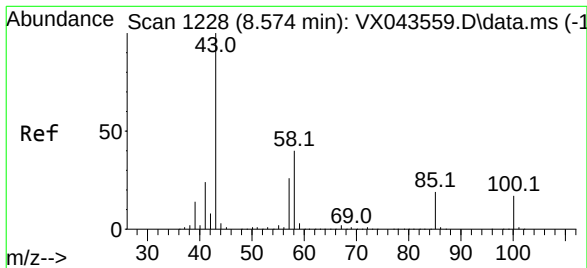
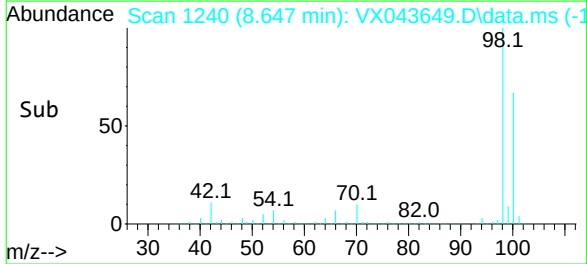
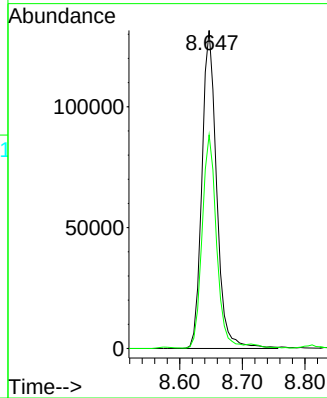
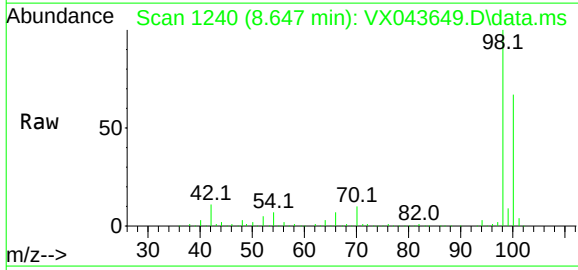
241030069-01-VOA

Tgt Ion: 98 Resp: 214982

Ion Ratio Lower Upper

98 100

100 65.1 53.4 80.2



#51

4-Methyl-2-Pentanone

Concen: 4.220 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.006 min

Lab File: VX043649.D

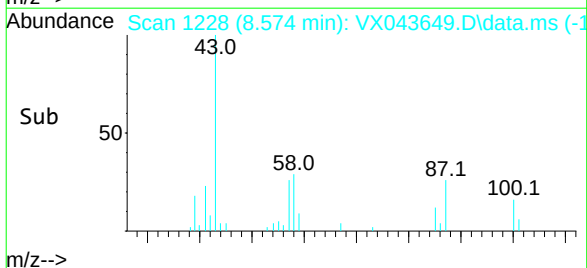
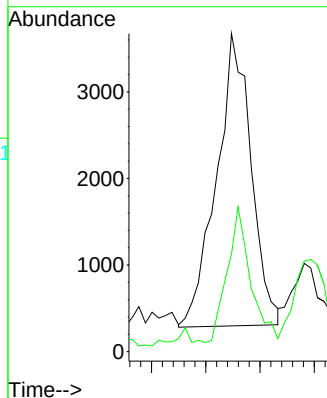
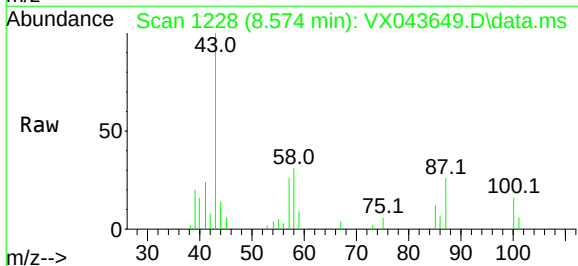
Acq: 31 Oct 2024 14:27

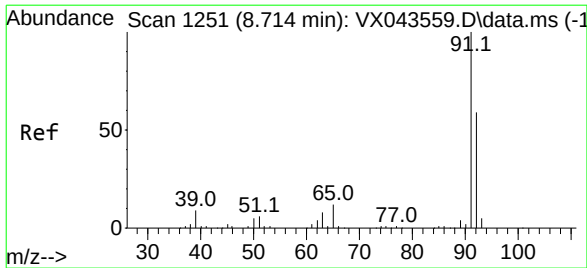
Tgt Ion: 43 Resp: 7496

Ion Ratio Lower Upper

43 100

58 32.7 31.7 47.5





#52

Toluene

Concen: 3.024 ug/l

RT: 8.720 min Scan# 12

Delta R.T. 0.006 min

Lab File: VX043649.D

Acq: 31 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

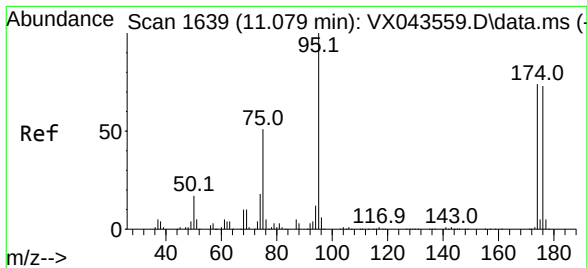
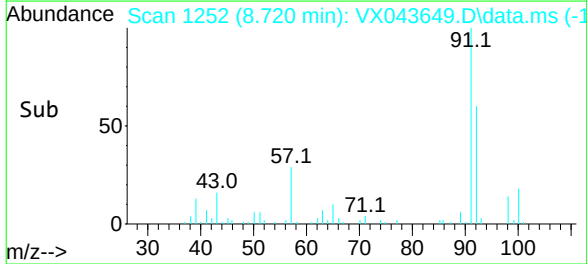
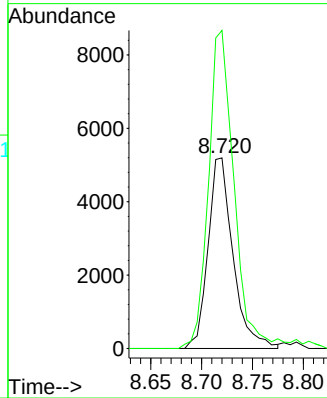
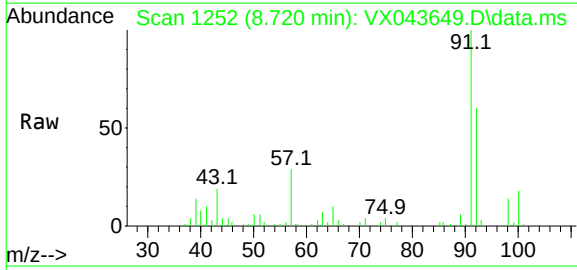
241030069-01-VOA

Tgt Ion: 92 Resp: 8879

Ion Ratio Lower Upper

92 100

91 171.0 135.7 203.5



#62

4-Bromofluorobenzene

Concen: 49.912 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX043649.D

Acq: 31 Oct 2024 14:27

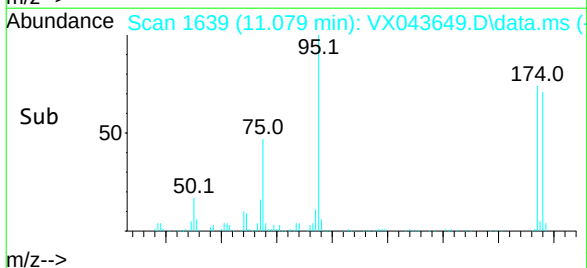
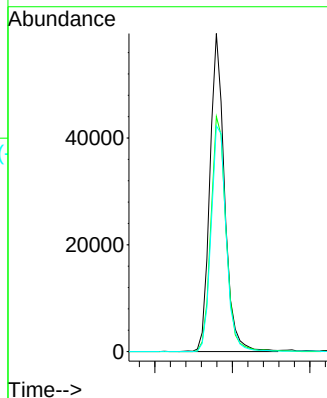
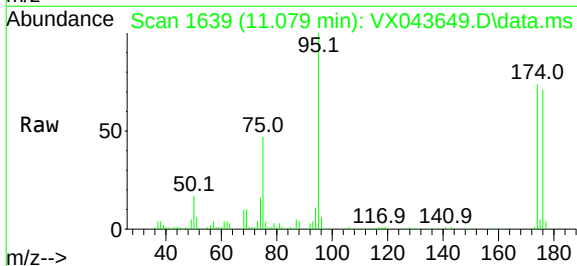
Tgt Ion: 95 Resp: 78370

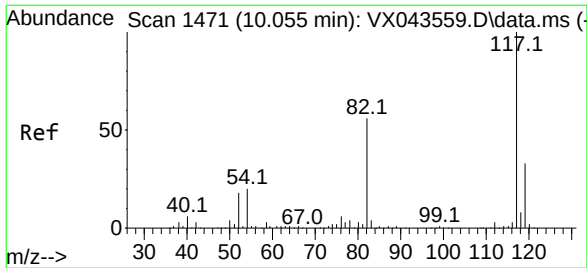
Ion Ratio Lower Upper

95 100

174 76.3 0.0 146.6

176 73.3 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX043649.D

Acq: 31 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

241030069-01-VOA

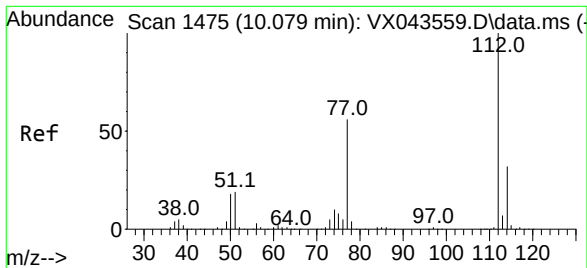
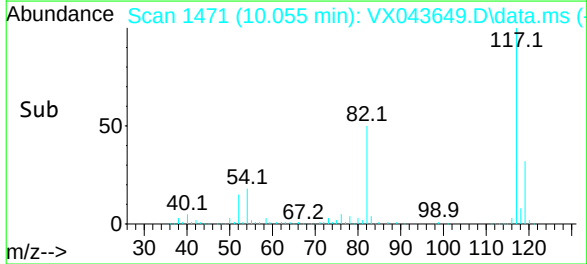
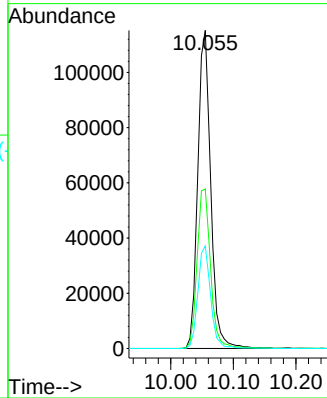
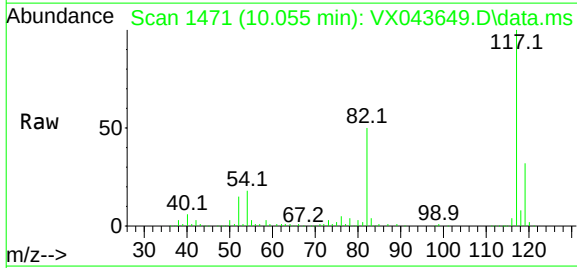
Tgt Ion:117 Resp: 165303

Ion Ratio Lower Upper

117 100

82 50.1 42.1 63.1

119 32.3 25.4 38.2



#65

Chlorobenzene

Concen: 1.438 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX043649.D

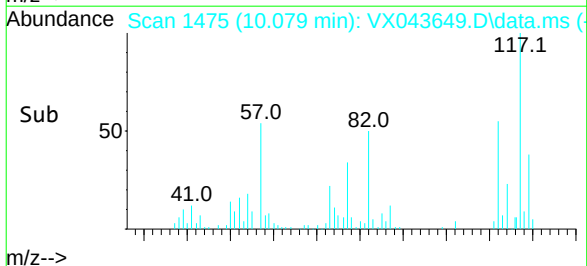
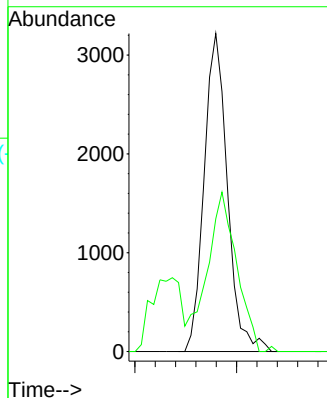
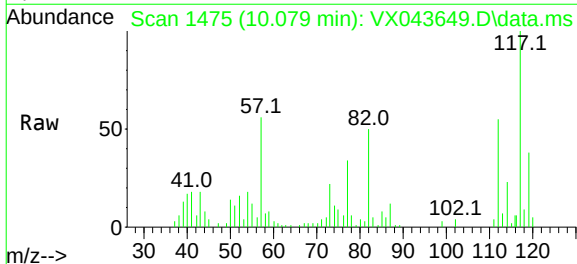
Acq: 31 Oct 2024 14:27

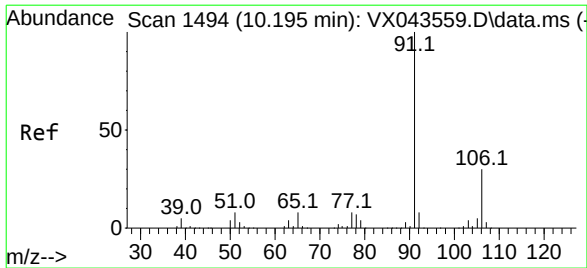
Tgt Ion:112 Resp: 5115

Ion Ratio Lower Upper

112 100

114 41.7 25.0 37.6#





#67

Ethyl Benzene

Concen: 6.984 ug/l

RT: 10.189 min Scan# 1494

Delta R.T. -0.006 min

Lab File: VX043649.D

Acq: 31 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

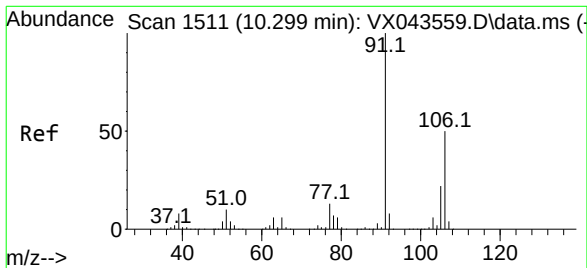
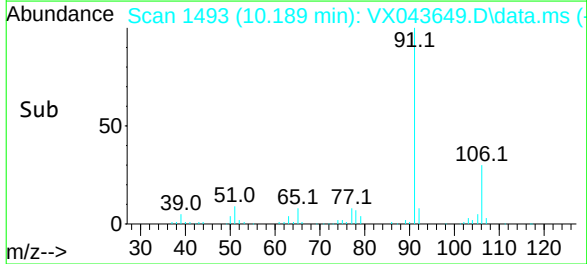
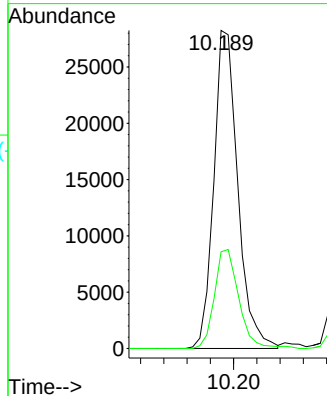
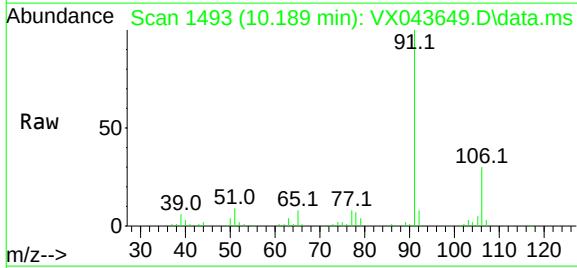
241030069-01-VOA

Tgt Ion: 91 Resp: 40500

Ion Ratio Lower Upper

91 100

106 30.4 25.4 38.2



#68

m/p-Xylenes

Concen: 9.714 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX043649.D

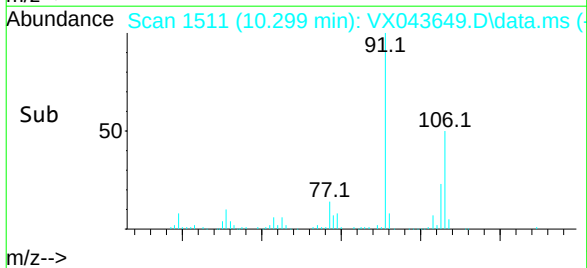
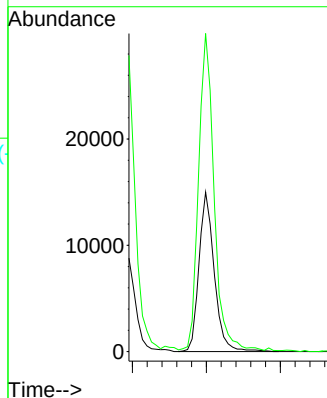
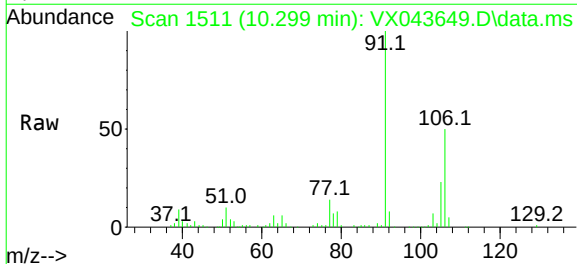
Acq: 31 Oct 2024 14:27

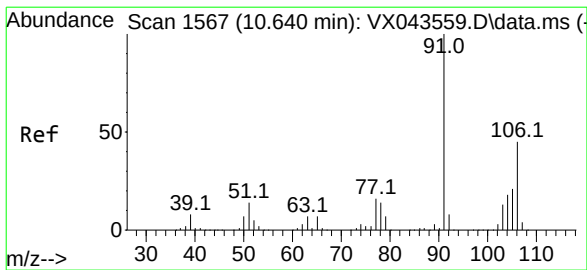
Tgt Ion: 106 Resp: 21543

Ion Ratio Lower Upper

106 100

91 201.3 164.7 247.1





#69

o-Xylene

Concen: 6.205 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX043649.D

Acq: 31 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

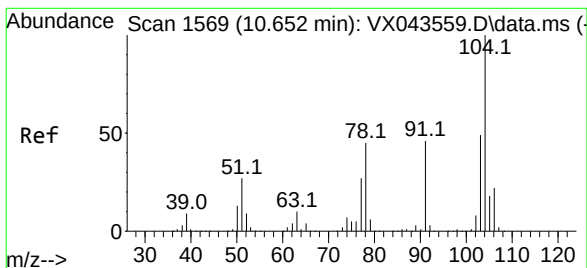
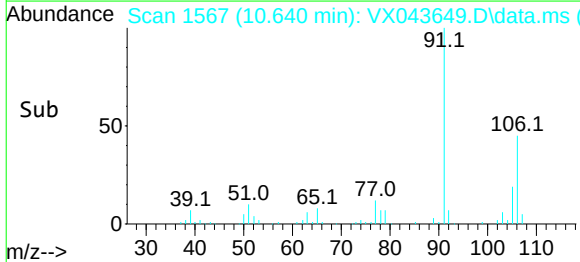
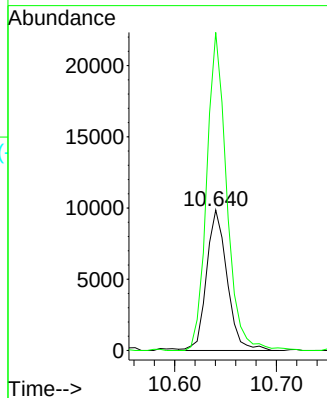
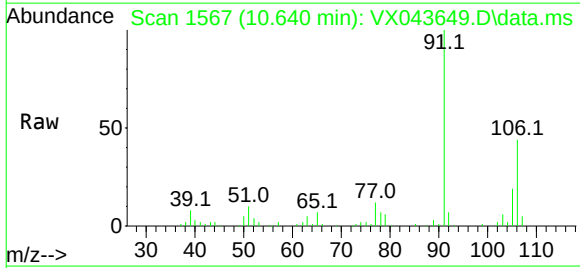
241030069-01-VOA

Tgt Ion:106 Resp: 13826

Ion Ratio Lower Upper

106 100

91 220.4 107.9 323.7



#70

Styrene

Concen: 0.581 ug/l

RT: 10.659 min Scan# 1570

Delta R.T. 0.006 min

Lab File: VX043649.D

Acq: 31 Oct 2024 14:27

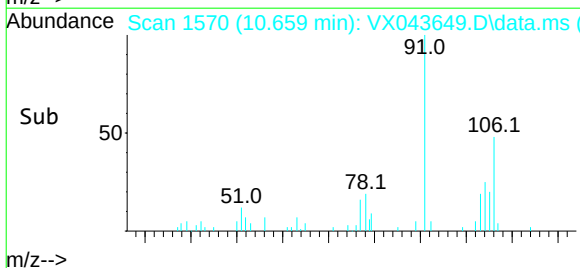
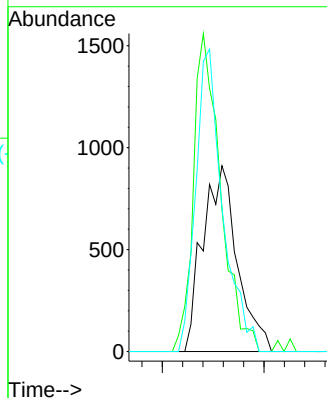
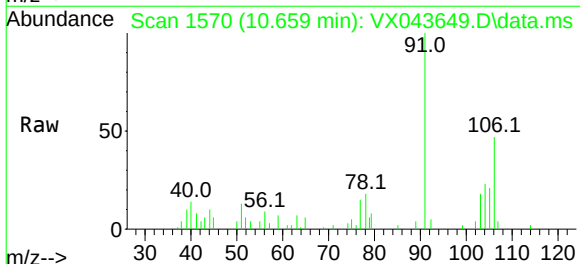
Tgt Ion:104 Resp: 2150

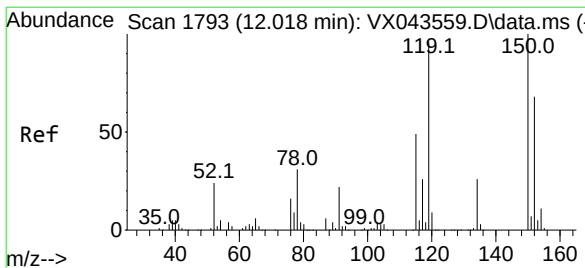
Ion Ratio Lower Upper

104 100

78 134.5 40.0 60.0#

103 127.3 43.4 65.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX043649.D

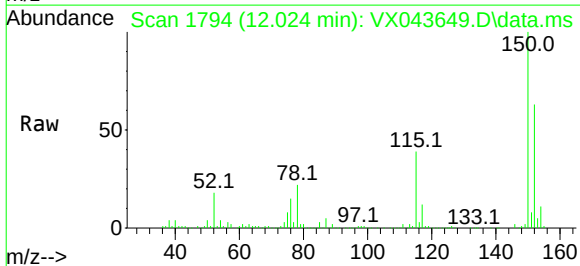
Acq: 31 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

241030069-01-VOA



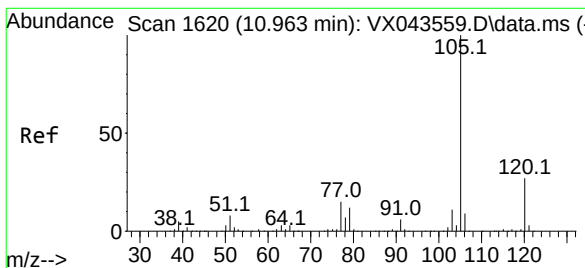
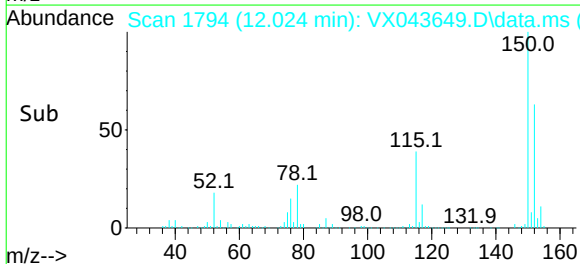
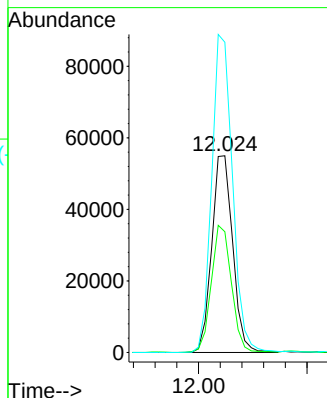
Tgt Ion:152 Resp: 73845

Ion Ratio Lower Upper

152 100

115 62.1 42.9 128.7

150 160.7 0.0 343.6



#73

Isopropylbenzene

Concen: 1.052 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX043649.D

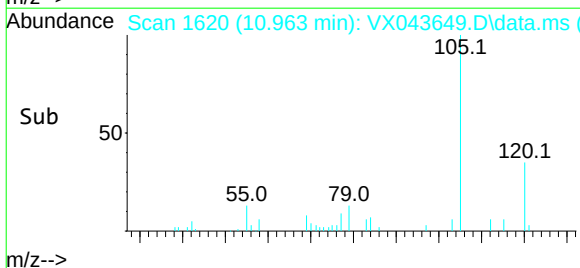
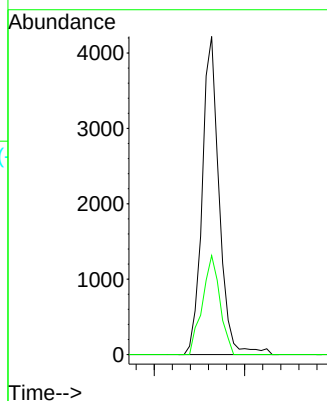
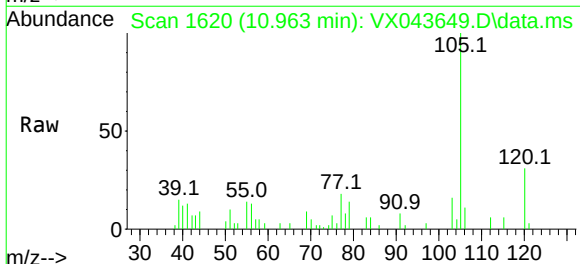
Acq: 31 Oct 2024 14:27

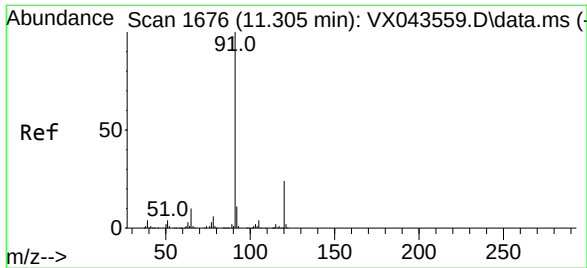
Tgt Ion:105 Resp: 5501

Ion Ratio Lower Upper

105 100

120 32.1 13.2 39.6





#78

n-propylbenzene

Concen: 0.549 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX043649.D

Acq: 31 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

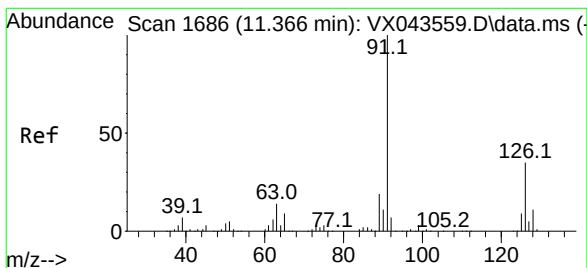
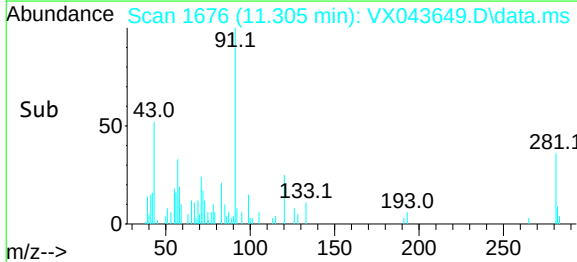
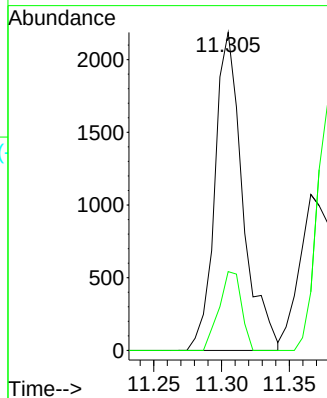
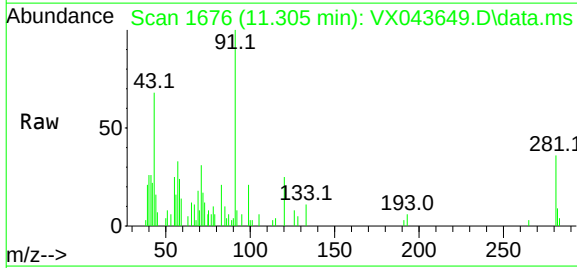
241030069-01-VOA

Tgt Ion: 91 Resp: 3132

Ion Ratio Lower Upper

91 100

120 19.9 11.6 34.7



#79

2-Chlorotoluene

Concen: 0.579 ug/l

RT: 11.366 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VX043649.D

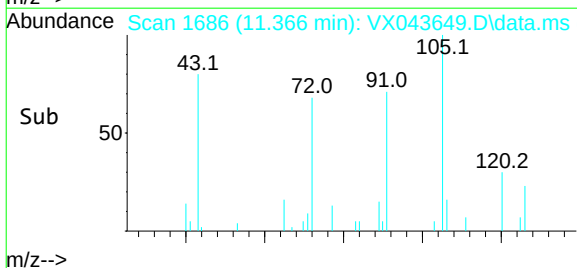
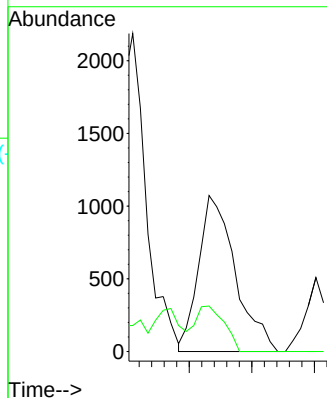
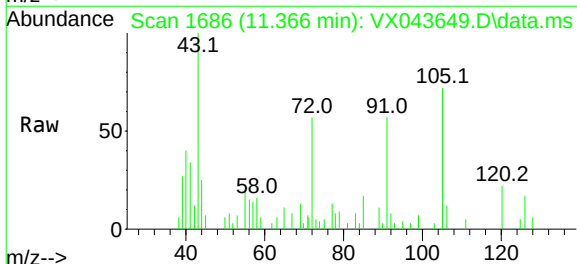
Acq: 31 Oct 2024 14:27

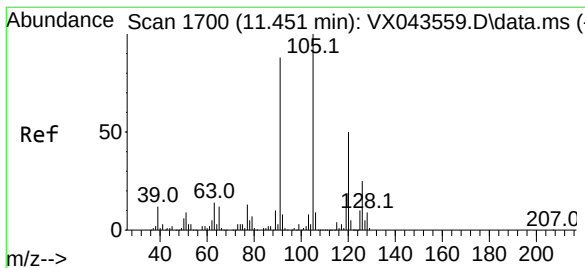
Tgt Ion: 91 Resp: 2188

Ion Ratio Lower Upper

91 100

126 23.0 16.7 50.0





#80

1,3,5-Trimethylbenzene

Concen: 0.927 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX043649.D

Acq: 31 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

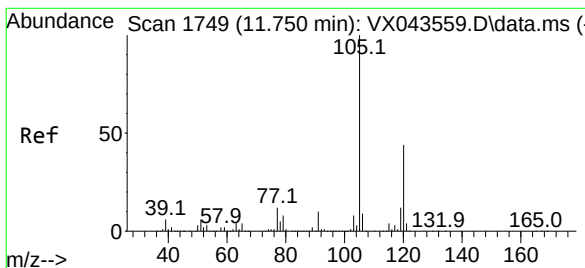
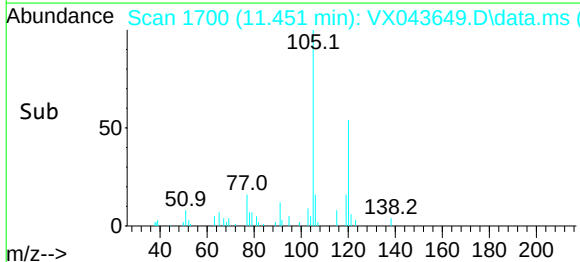
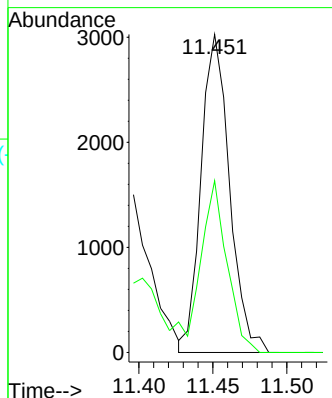
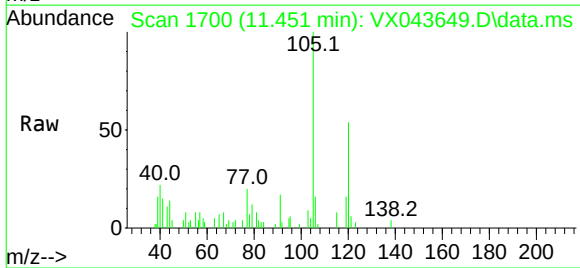
241030069-01-VOA

Tgt Ion:105 Resp: 4045

Ion Ratio Lower Upper

105 100

120 47.9 23.8 71.5



#84

1,2,4-Trimethylbenzene

Concen: 3.806 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX043649.D

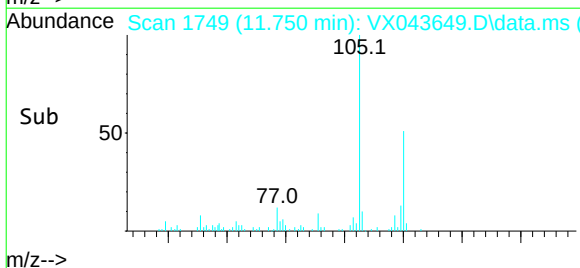
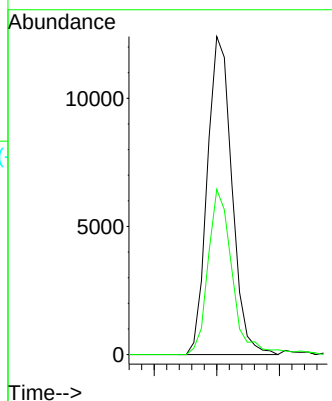
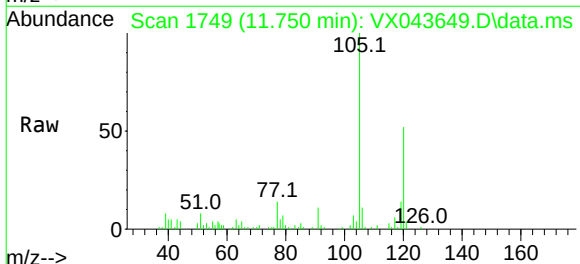
Acq: 31 Oct 2024 14:27

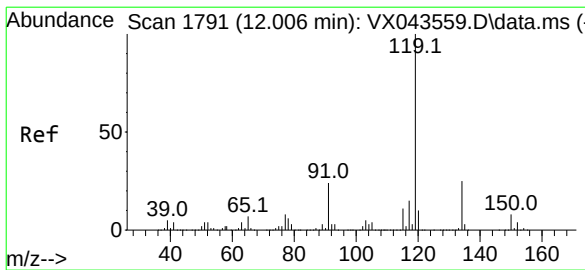
Tgt Ion:105 Resp: 16916

Ion Ratio Lower Upper

105 100

120 51.4 22.1 66.1





#86

p-Isopropyltoluene

Concen: 1.287 ug/l

RT: 12.012 min Scan# 1791

Delta R.T. 0.006 min

Lab File: VX043649.D

Acq: 31 Oct 2024 14:27

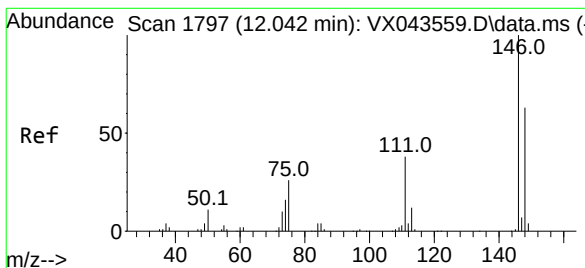
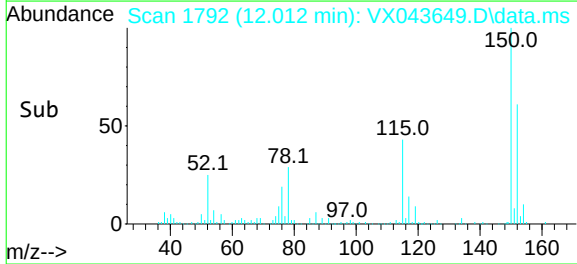
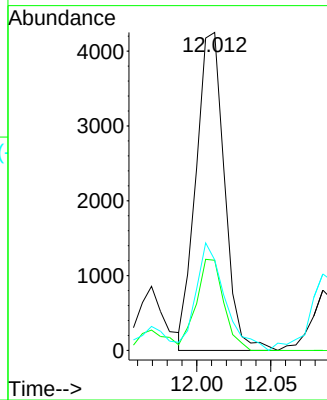
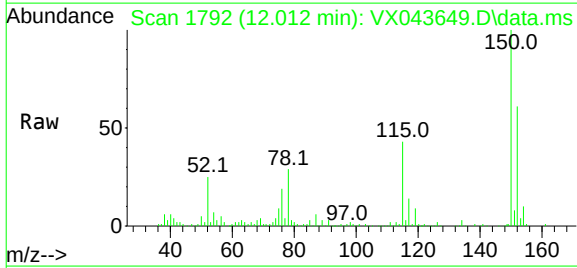
Instrument :

MSVOA_X

ClientSampleId :

241030069-01-VOA

Tgt Ion:	119	Resp:	5686
Ion	Ratio	Lower	Upper
119	100		
134	27.8	13.1	39.1
91	34.1	12.4	37.0



#88

1,4-Dichlorobenzene

Concen: 4.374 ug/l

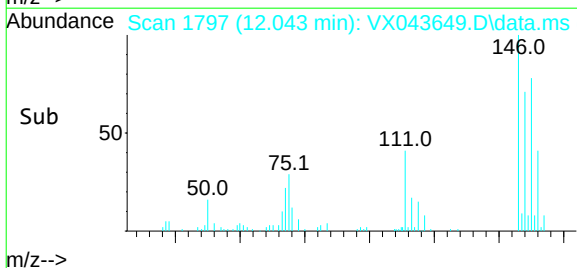
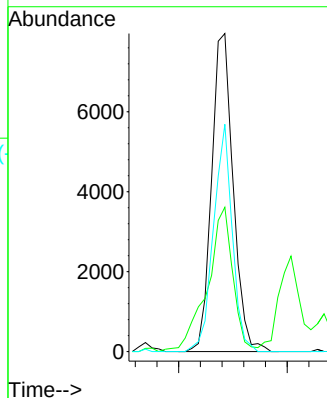
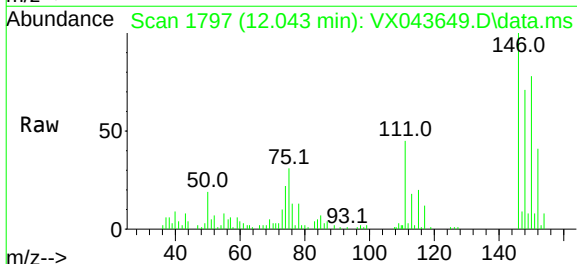
RT: 12.043 min Scan# 1797

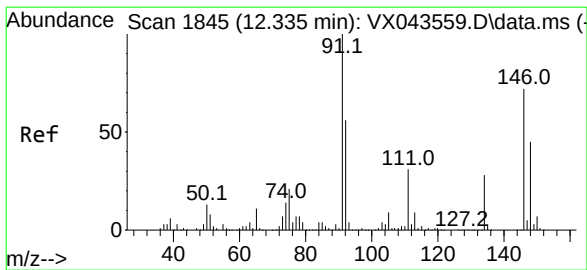
Delta R.T. 0.000 min

Lab File: VX043649.D

Acq: 31 Oct 2024 14:27

Tgt Ion:	146	Resp:	10973
Ion	Ratio	Lower	Upper
146	100		
111	53.9	20.4	61.3
148	62.4	31.9	95.9





#91

1,2-Dichlorobenzene

Concen: 0.433 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX043649.D

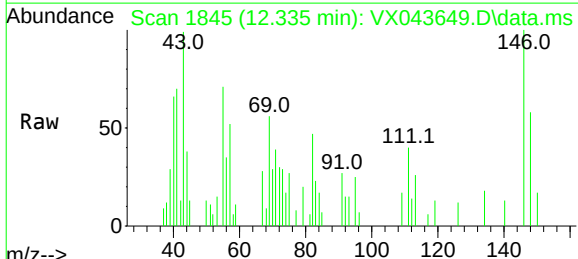
Acq: 31 Oct 2024 14:27

Instrument :

MSVOA_X

ClientSampleId :

241030069-01-VOA



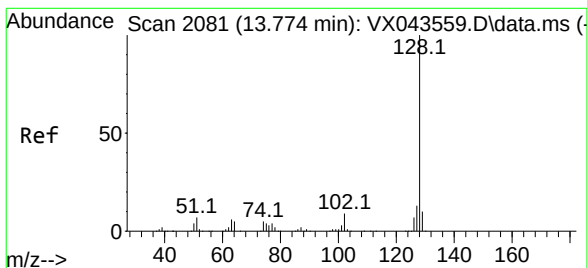
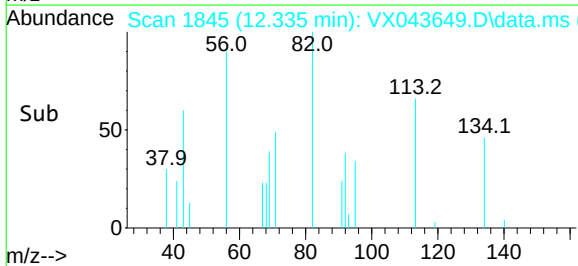
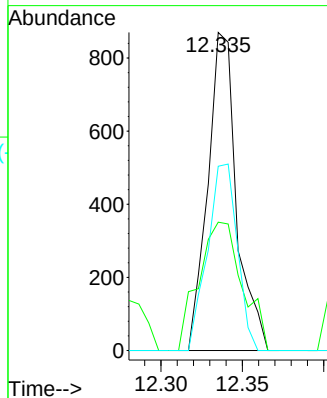
Tgt Ion:146 Resp: 1071

Ion Ratio Lower Upper

146 100

111 61.4 21.6 64.6

148 60.7 31.6 95.0



#95

Naphthalene

Concen: 39.212 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX043649.D

Acq: 31 Oct 2024 14:27

Tgt Ion:128 Resp: 225475

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.4

129 11.2 8.7 13.1

