

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120221\
 Data File : VX025459.D
 Acq On : 03 Dec 2021 04:03
 Operator : JC/MD
 Sample : M4918-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 03 06:15:52 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)

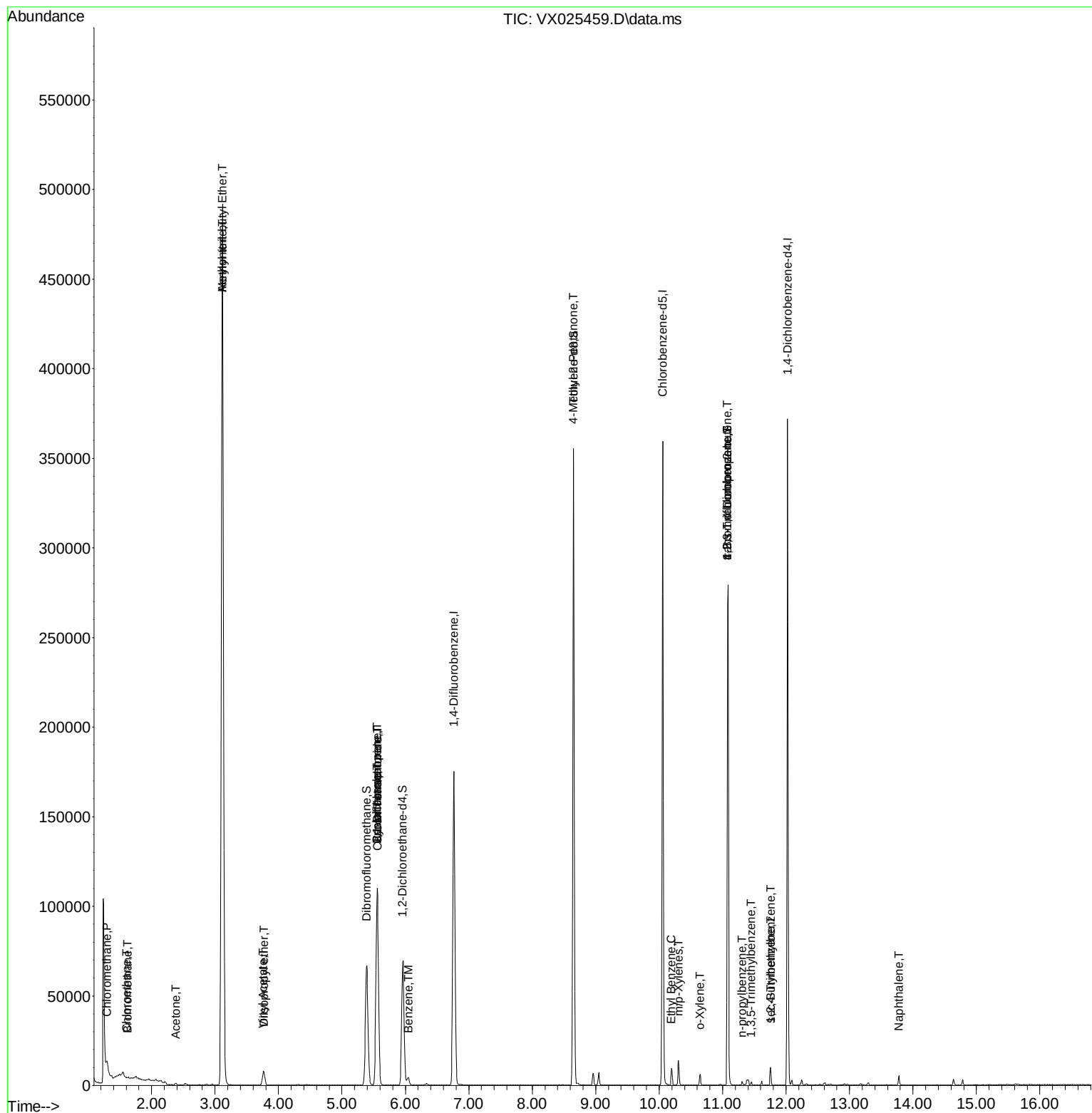
Internal Standards						
1) Pentafluorobenzene	5.556	168	111093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	189361	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	169544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	77171	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	64261	54.88	ug/l	0.00
Spiked Amount 50.000	Range 78	- 117	Recovery	=	109.76%	
35) Dibromofluoromethane	5.391	113	57709	49.67	ug/l	0.00
Spiked Amount 50.000	Range 75	- 124	Recovery	=	99.34%	
50) Toluene-d8	8.653	98	217745	49.85	ug/l	0.00
Spiked Amount 50.000	Range 92	- 112	Recovery	=	99.70%	
62) 4-Bromofluorobenzene	11.079	95	76931	46.55	ug/l	0.00
Spiked Amount 50.000	Range 83	- 123	Recovery	=	93.10%	
Target Compounds					Qvalue	
3) Chloromethane	1.300	50	552	0.46 ug/l	#	42
5) Bromomethane	1.624	94	116	0.21 ug/l	#	70
6) Chloroethane	1.605	64	270	0.30 ug/l	#	43
11) Tert butyl alcohol	2.965	59	503	Below Cal	#	72
15) Acrylonitrile	3.117	53	5538	8.81 ug/l	#	29
16) Acetone	2.386	43	1178	1.81 ug/l	#	85
19) Methyl tert-butyl Ether	3.117	73	563404	157.04 ug/l		100
22) Diisopropyl ether	3.769	45	8521	2.40 ug/l	#	80
23) Vinyl Acetate	3.757	43	4446	1.56 ug/l	#	72
31) Cyclohexane	5.556	56	2163	1.20 ug/l	#	43
36) 1,1-Dichloropropene	5.556	75	7695	4.66 ug/l	#	49
38) Carbon Tetrachloride	5.562	117	10411	5.72 ug/l	#	16
40) Benzene	6.050	78	4993	1.00 ug/l		94
51) 4-Methyl-2-Pentanone	8.647	43	901	0.46 ug/l	#	1
67) Ethyl Benzene	10.195	91	5778	0.97 ug/l		96
68) m/p-Xylenes	10.305	106	3367	1.38 ug/l		98
69) o-Xylene	10.646	106	1503	0.63 ug/l		92
76) 1,2,3-Trichloropropane	11.079	75	36787	23.28 ug/l	#	37
78) n-propylbenzene	11.305	91	1370	0.22 ug/l		96
80) 1,3,5-Trimethylbenzene	11.451	105	985	0.21 ug/l		98
81) trans-1,4-Dichloro-2-b...	11.079	75	36787	58.64 ug/l	#	9
84) 1,2,4-Trimethylbenzene	11.756	105	4524	0.99 ug/l		94
85) sec-Butylbenzene	11.756	105	4524	0.79 ug/l	#	56
95) Naphthalene	13.780	128	3888	0.37 ug/l		95

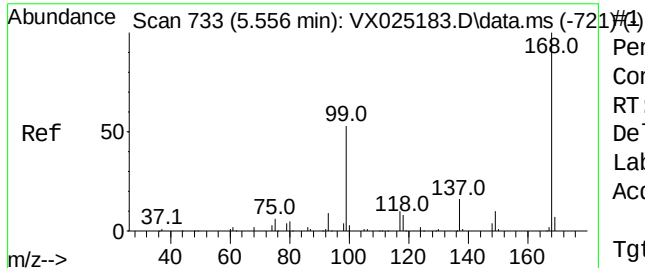
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 17 15:36:16 2021
Response via : Initial Calibration





Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.556 min Scan#

Delta R.T. -0.000 min

Lab File: VX025459.D

Acq: 03 Dec 2021 04:03

Instrument :

MSVOA_D

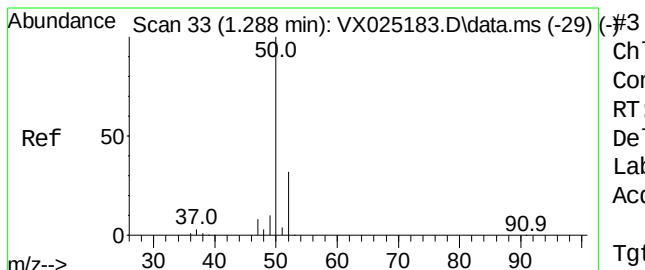
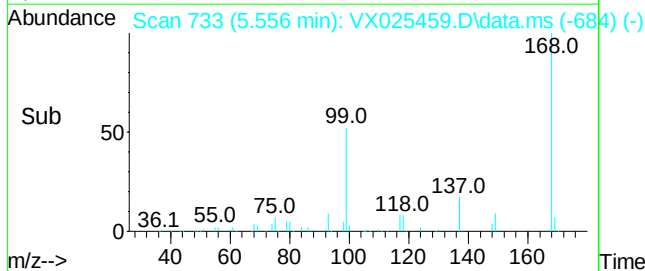
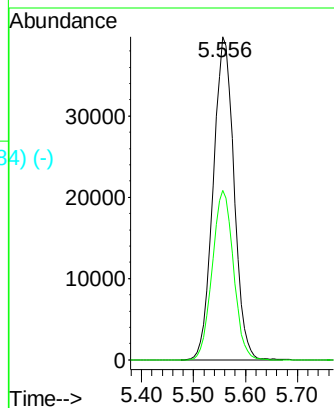
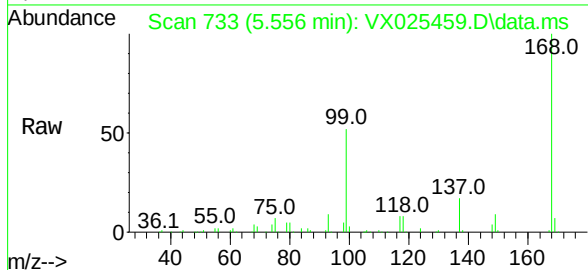
ClientSampleId :

Tgt Ion:168 Resp: 111093

Ion Ratio Lower Upper

168 100

99 52.5 46.4 69.6



Chloromethane

Concen: 0.46 ug/l

RT: 1.300 min Scan# 35

Delta R.T. 0.012 min

Lab File: VX025459.D

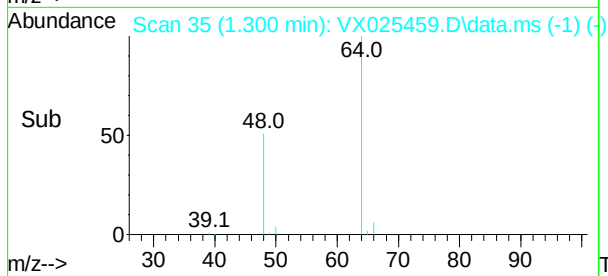
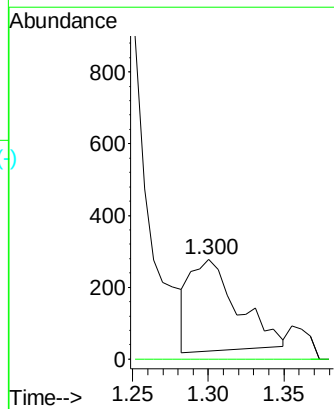
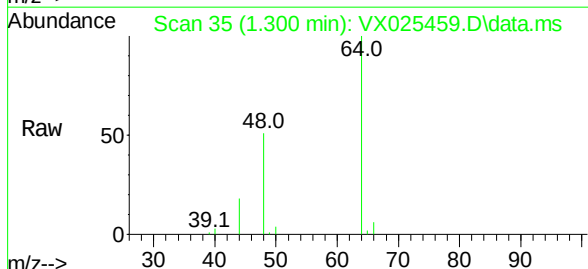
Acq: 03 Dec 2021 04:03

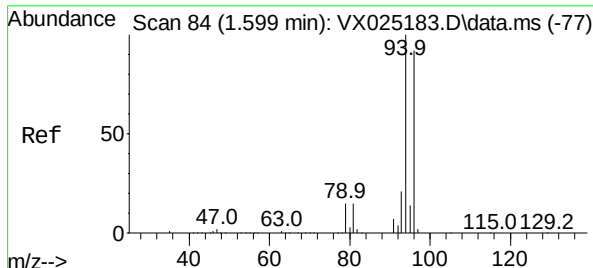
Tgt Ion: 50 Resp: 552

Ion Ratio Lower Upper

50 100

52 0.0 25.9 38.9#





Bromomethane

Concen: 0.21 ug/l

RT: 1.624 min Scan# 8

Delta R.T. 0.025 min

Lab File: VX025459.D

Acq: 03 Dec 2021 04:03

Instrument :

MSVOA_D

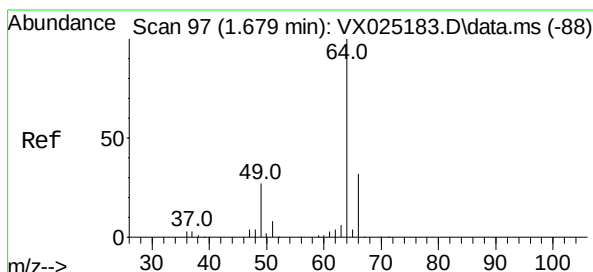
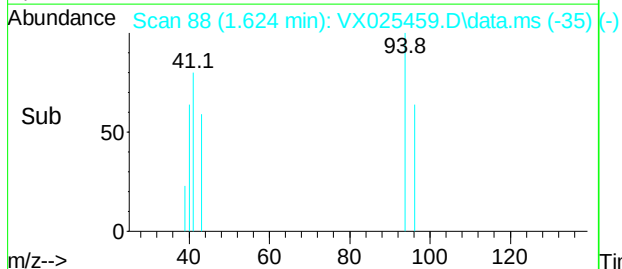
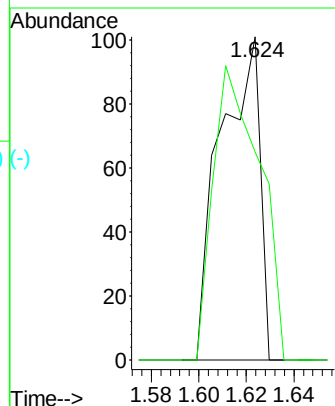
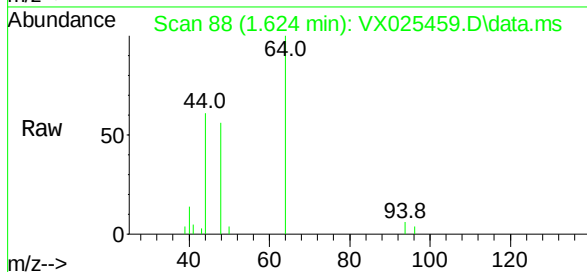
ClientSampleId :

Tgt Ion: 94 Resp: 116

Ion Ratio Lower Upper

94 100

96 64.4 74.8 112.2#



Chloroethane

Concen: 0.30 ug/l

RT: 1.605 min Scan# 85

Delta R.T. -0.074 min

Lab File: VX025459.D

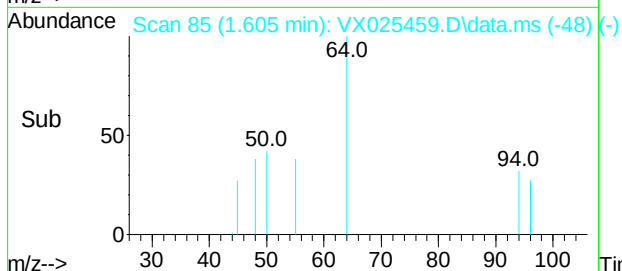
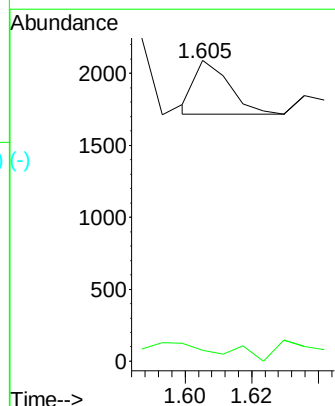
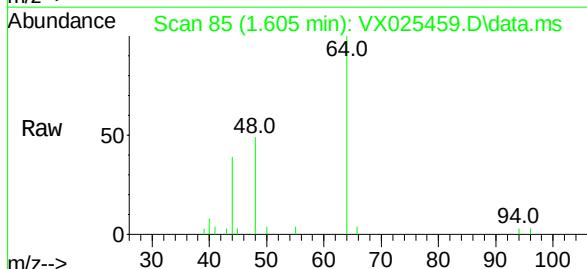
Acq: 03 Dec 2021 04:03

Tgt Ion: 64 Resp: 270

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



Abundance Scan 308 (2.965 min): VX025183.D\data.ms (-297) #41

Tert butyl alcohol

Concen: Below Cal

RT: 2.965 min Scan#

Delta R.T. -0.000 min

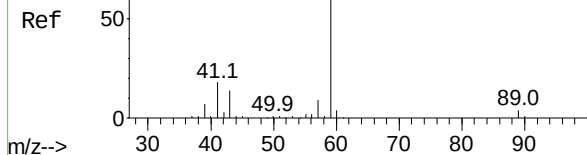
Lab File: VX025459.D

Acq: 03 Dec 2021 04:03

Instrument :

MSVOA_D

ClientSampleId :

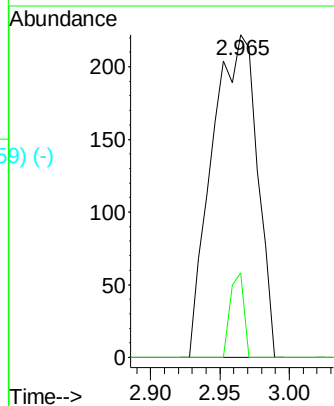
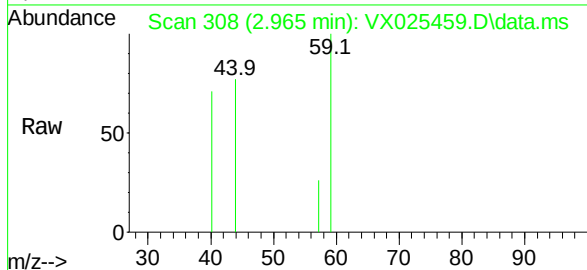


Tgt Ion: 59 Resp: 503

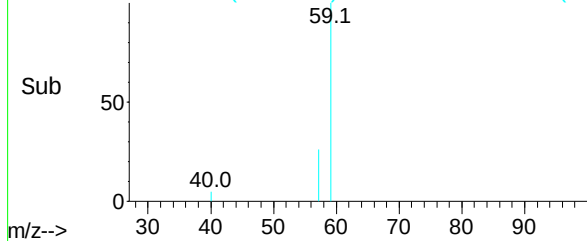
Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Scan 308 (2.965 min): VX025459.D\data.ms (-259) (-)



Abundance Scan 324 (3.063 min): VX025183.D\data.ms (-315) #45

Acrylonitrile

Concen: 8.81 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.054 min

Lab File: VX025459.D

Acq: 03 Dec 2021 04:03

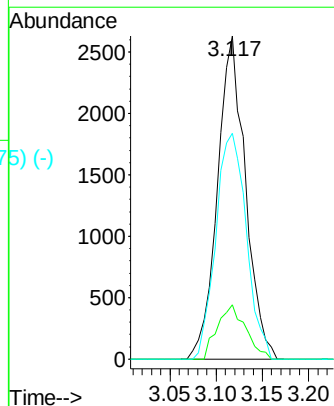
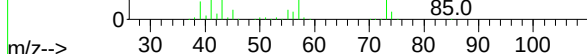
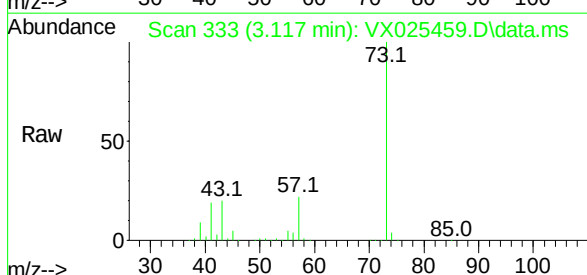
Tgt Ion: 53 Resp: 5538

Ion Ratio Lower Upper

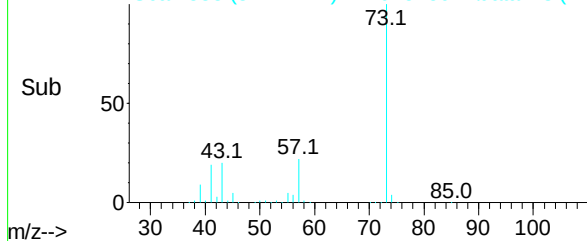
53 100

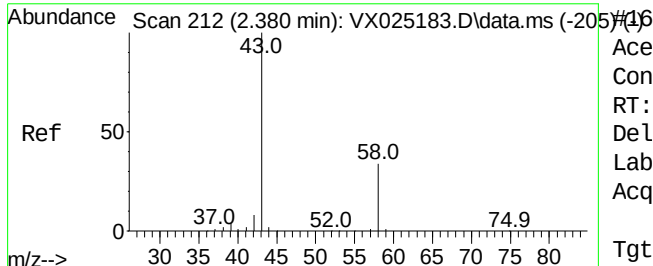
52 17.1 66.2 99.4#

51 76.1 29.8 44.8#



Abundance Scan 333 (3.117 min): VX025459.D\data.ms (-275) (-)

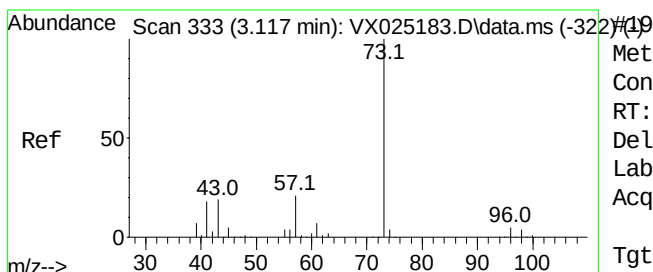
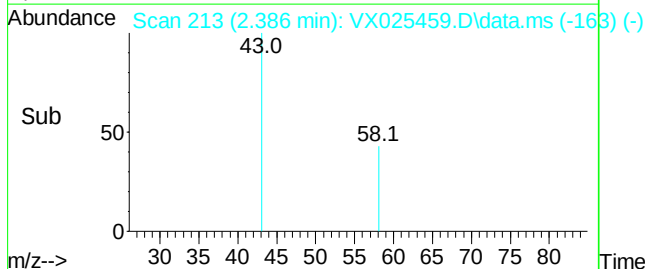
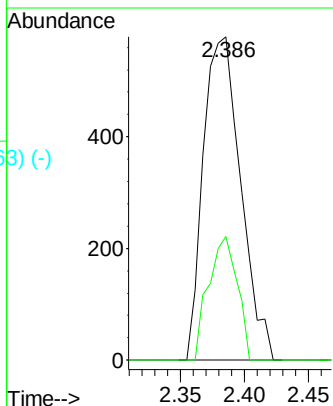
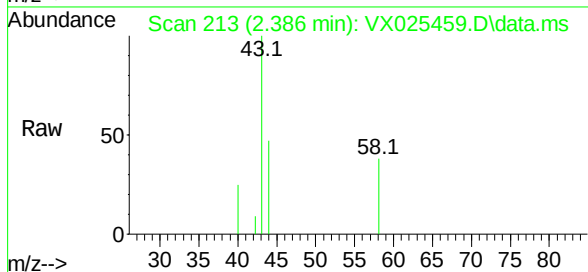




Acetone
 Concen: 1.81 ug/l
 RT: 2.386 min Scan# 16
 Delta R.T. 0.006 min
 Lab File: VX025459.D
 Acq: 03 Dec 2021 04:03

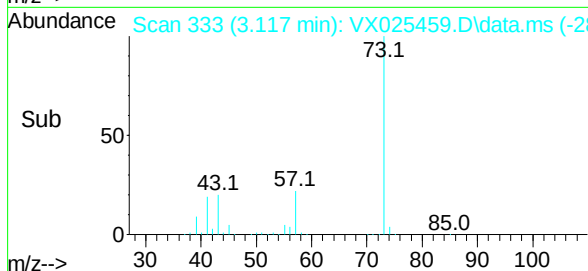
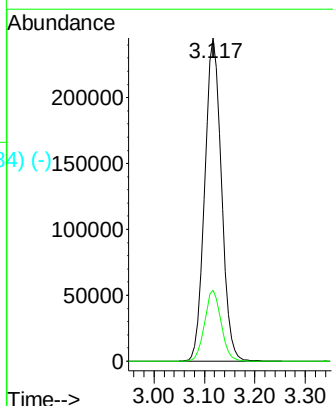
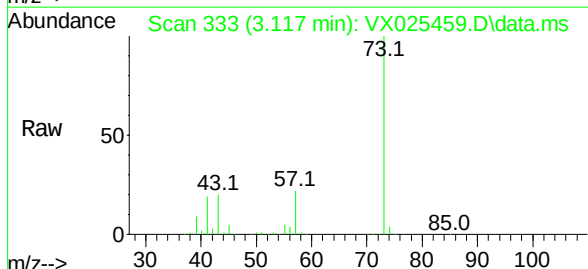
Instrument :
 MSVOA_D
 ClientSampleId :

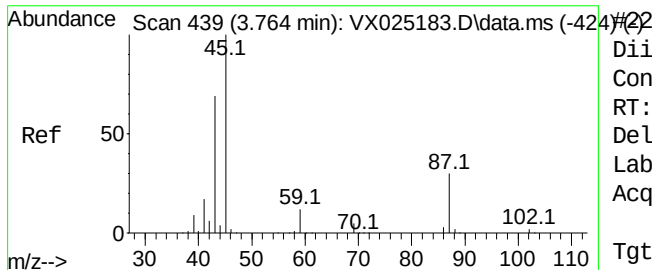
Tgt Ion: 43 Resp: 1178
 Ion Ratio Lower Upper
 43 100
 58 38.2 24.0 36.0#



Methyl tert-butyl Ether
 Concen: 157.04 ug/l
 RT: 3.117 min Scan# 333
 Delta R.T. 0.000 min
 Lab File: VX025459.D
 Acq: 03 Dec 2021 04:03

Tgt Ion: 73 Resp: 563404
 Ion Ratio Lower Upper
 73 100
 57 21.9 17.5 26.3

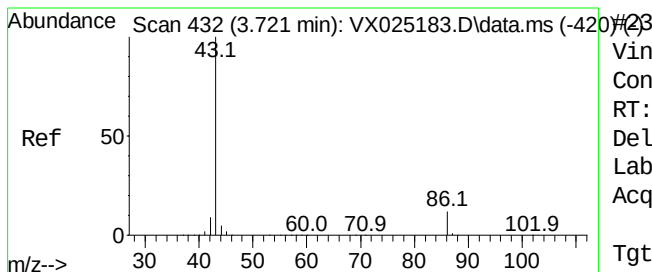
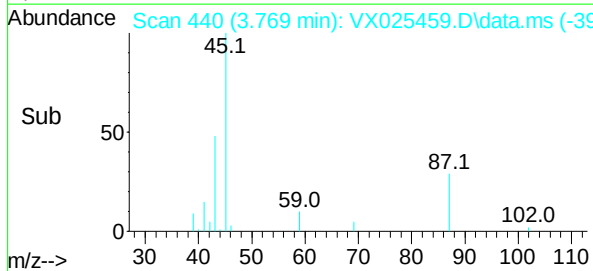
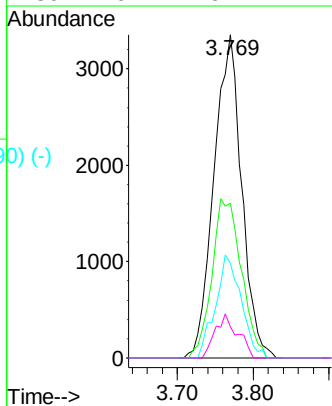
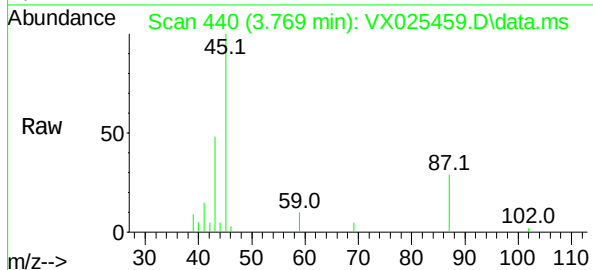




Diisopropyl ether
Concen: 2.40 ug/l
RT: 3.769 min Scan# 439
Delta R.T. 0.005 min
Lab File: VX025459.D
Acq: 03 Dec 2021 04:03

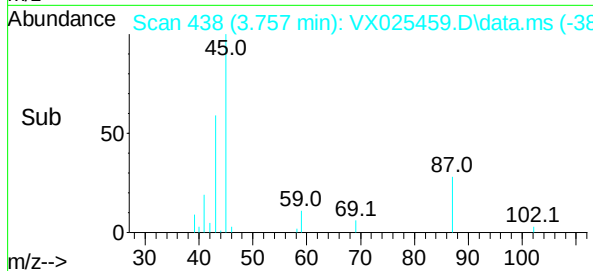
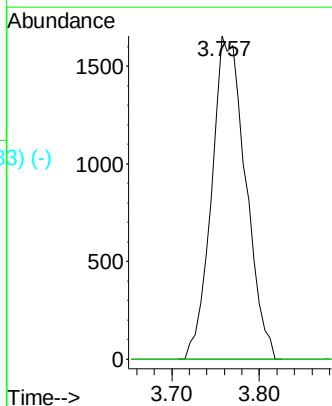
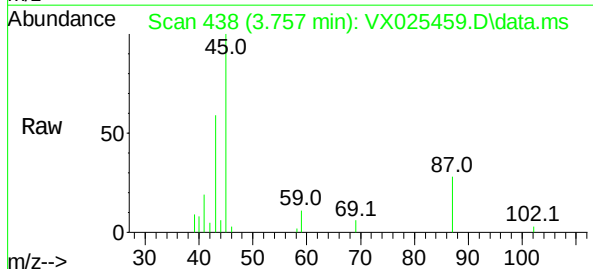
Instrument :
MSVOA_D
ClientSampleId :

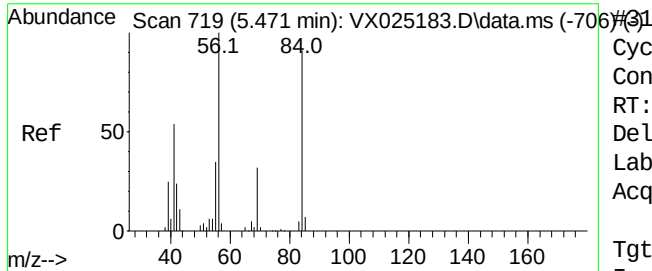
Tgt Ion:	45	Resp:	8521
Ion	Ratio	Lower	Upper
45	100		
43	47.9	58.3	87.5#
87	29.3	23.7	35.5
59	9.7	9.4	14.0



Vinyl Acetate
Concen: 1.56 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.036 min
Lab File: VX025459.D
Acq: 03 Dec 2021 04:03

Tgt Ion:	43	Resp:	4446
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4#





Cyclohexane

Concen: 1.20 ug/l

RT: 5.556 min Scan#

Delta R.T. 0.085 min

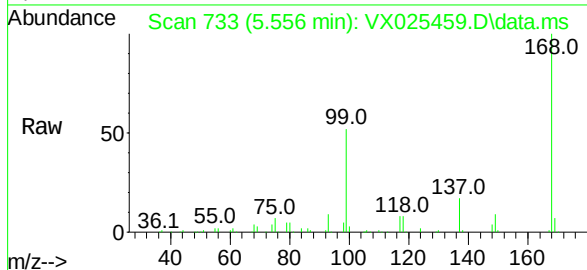
Lab File: VX025459.D

Acq: 03 Dec 2021 04:03

Instrument :

MSVOA_D

ClientSampleId :



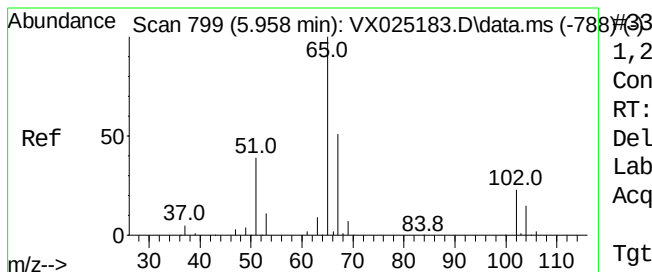
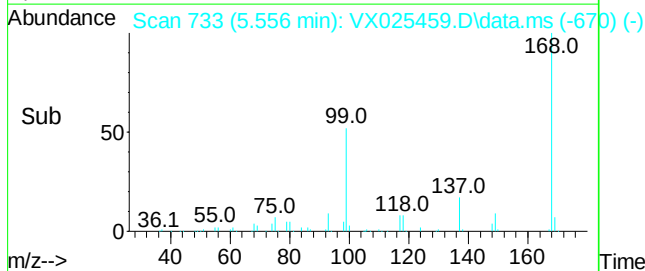
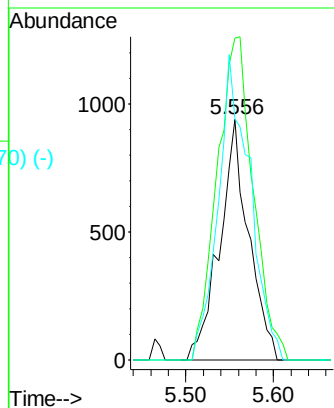
Tgt Ion: 56 Resp: 2163

Ion Ratio Lower Upper

56 100

69 133.8 24.2 36.2#

84 100.2 71.5 107.3



1,2-Dichloroethane-d4

Concen: 54.88 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX025459.D

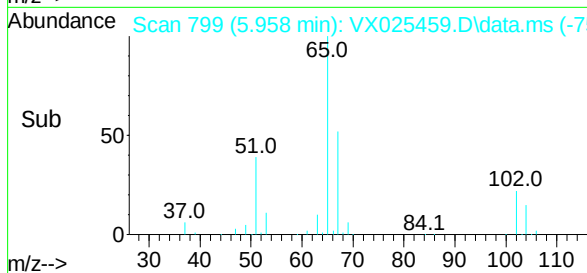
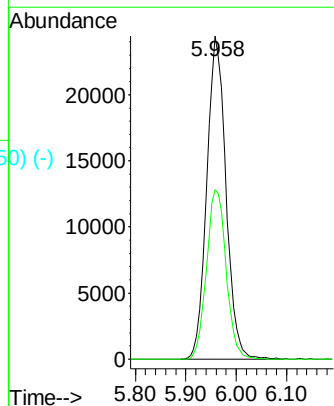
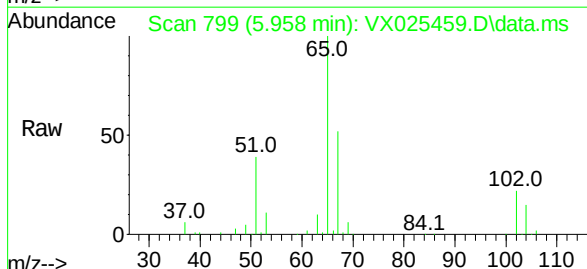
Acq: 03 Dec 2021 04:03

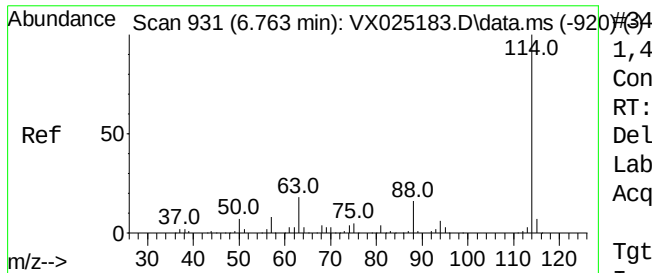
Tgt Ion: 65 Resp: 64261

Ion Ratio Lower Upper

65 100

67 53.8 0.0 101.0





1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX025459.D

Acq: 03 Dec 2021 04:03

Instrument :

MSVOA_D

ClientSampleId :

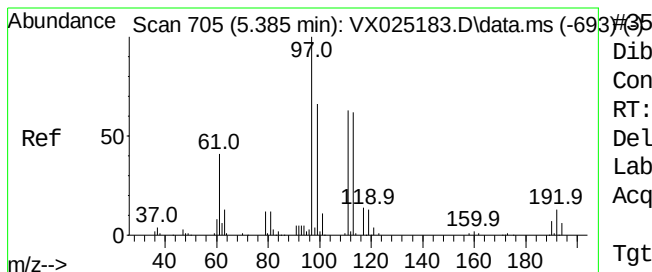
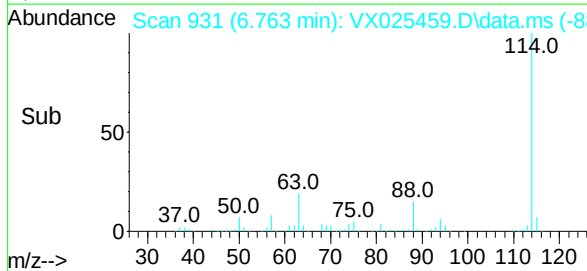
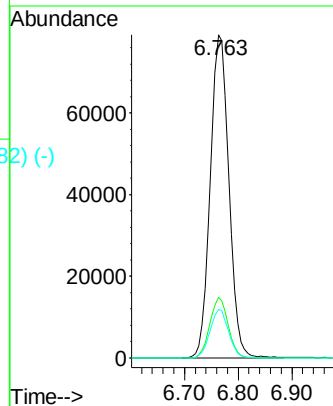
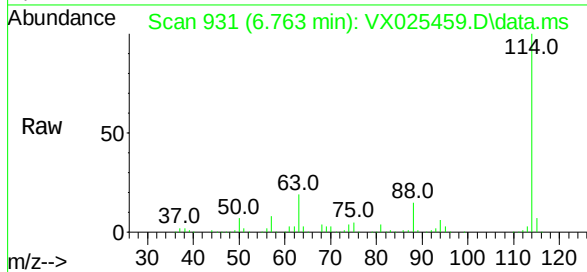
Tgt Ion:114 Resp: 189361

Ion Ratio Lower Upper

114 100

63 18.8 0.0 41.0

88 15.0 0.0 34.8



Dibromofluoromethane

Concen: 49.67 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX025459.D

Acq: 03 Dec 2021 04:03

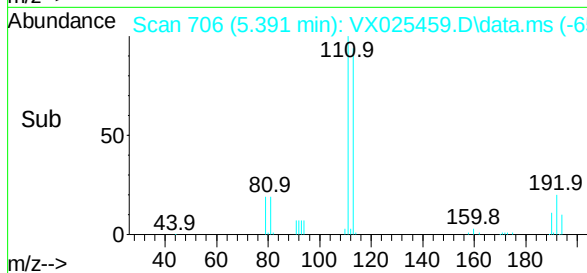
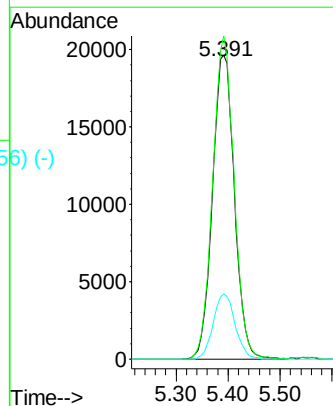
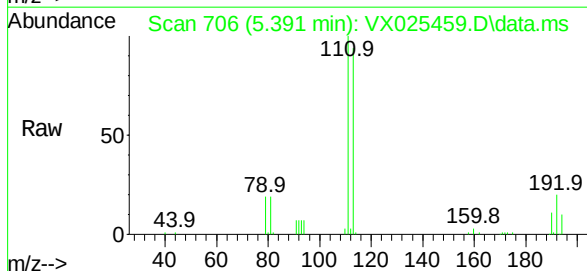
Tgt Ion:113 Resp: 57709

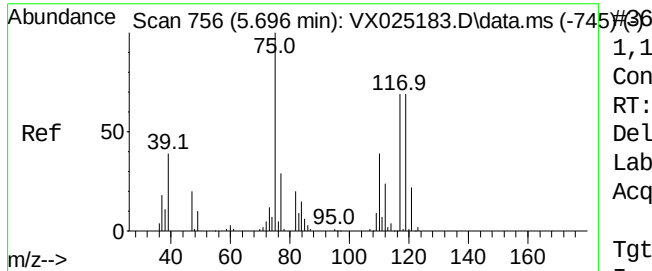
Ion Ratio Lower Upper

113 100

111 103.5 82.1 123.1

192 21.3 15.6 23.4

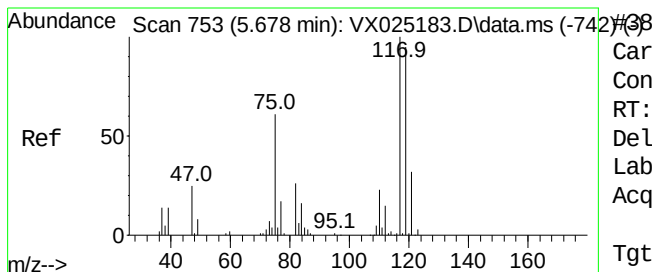
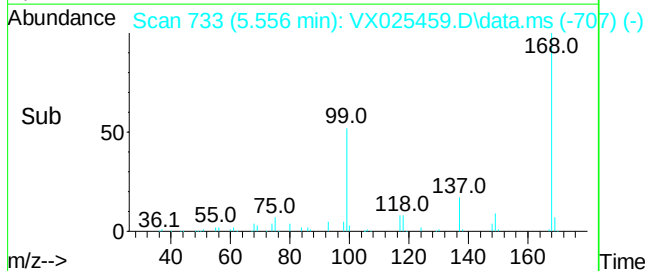
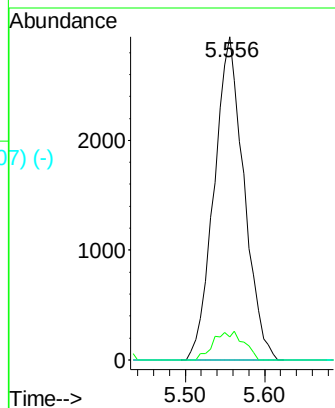
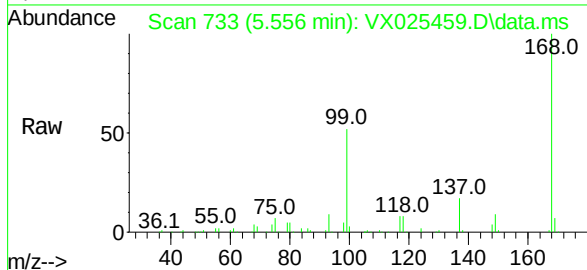




1,1-Dichloroprene
Concen: 4.66 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX025459.D
Acq: 03 Dec 2021 04:03

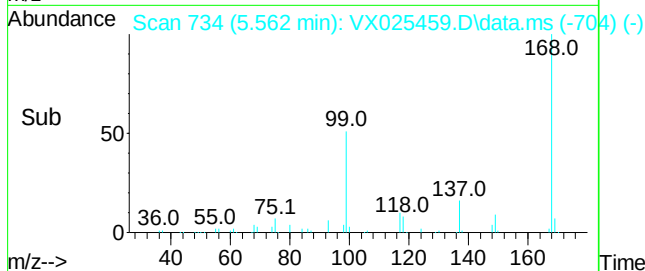
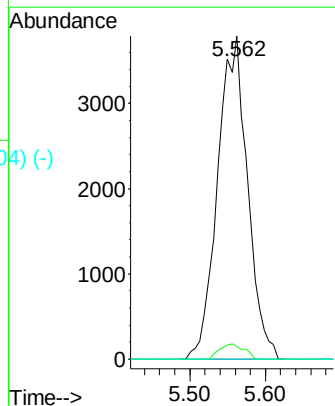
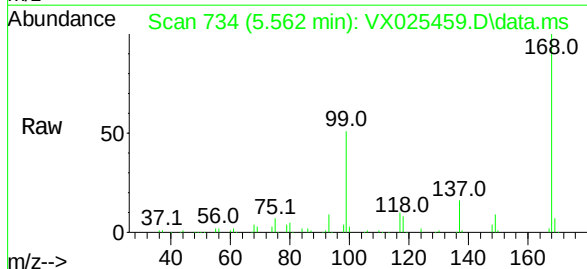
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	75	Resp:	7695
Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.1	54.3#
77	0.0	24.4	36.6#

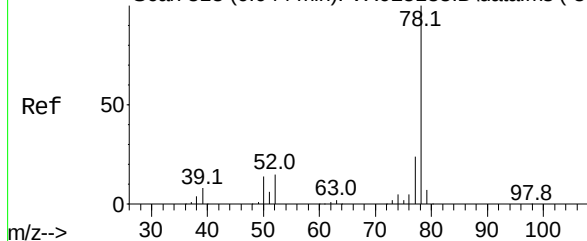


Carbon Tetrachloride
Concen: 5.72 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.116 min
Lab File: VX025459.D
Acq: 03 Dec 2021 04:03

Tgt Ion:	117	Resp:	10411
Ion	Ratio	Lower	Upper
117	100		
119	3.9	75.6	113.4#
121	0.0	23.7	35.5#



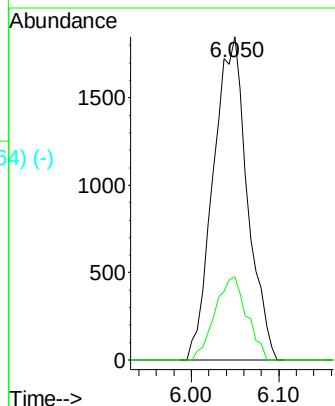
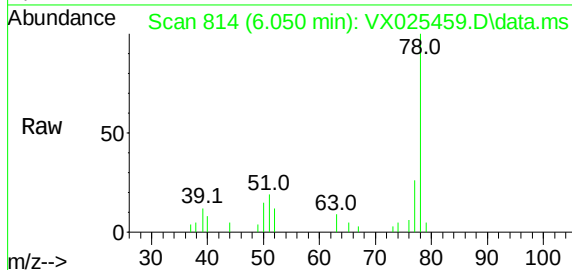
Abundance Scan 813 (6.044 min): VX025183.D\data.ms (-800) #49



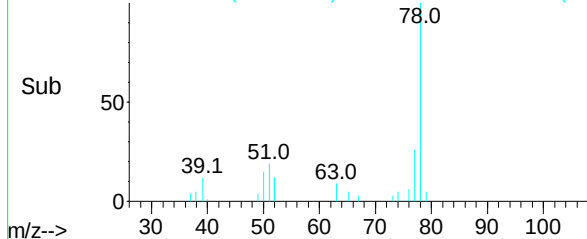
Benzene
Concen: 1.00 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX025459.D
Acq: 03 Dec 2021 04:03

Instrument :
MSVOA_D
ClientSampleId :

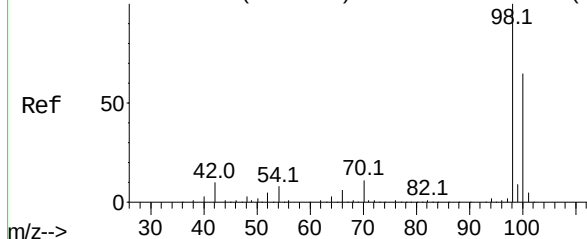
Tgt Ion: 78 Resp: 4993
Ion Ratio Lower Upper
78 100
77 25.7 18.3 27.5



Abundance Scan 814 (6.050 min): VX025459.D\data.ms (-764) (-)

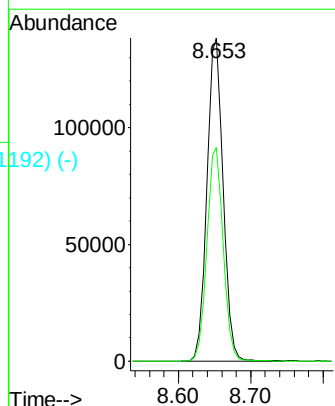
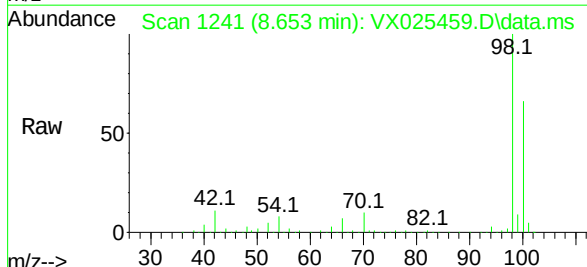


Abundance Scan 1241 (8.653 min): VX025183.D\data.ms (-1235) #50

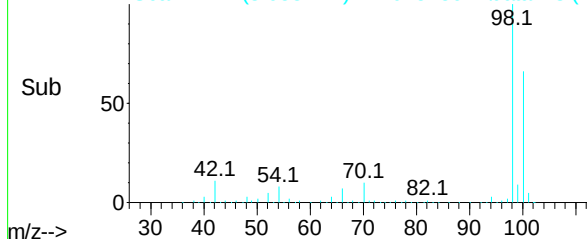


Toluene-d8
Concen: 49.85 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025459.D
Acq: 03 Dec 2021 04:03

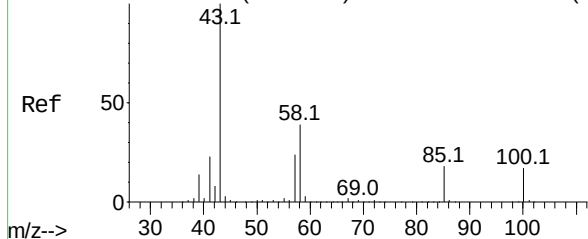
Tgt Ion: 98 Resp: 217745
Ion Ratio Lower Upper
98 100
100 66.6 51.4 77.0



Abundance Scan 1241 (8.653 min): VX025459.D\data.ms (-1192) (-)



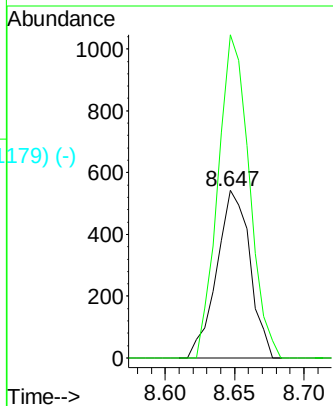
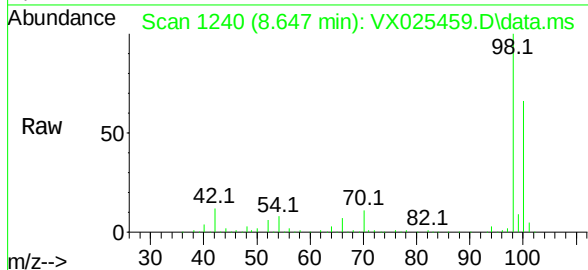
Abundance Scan 1228 (8.574 min): VX025183.D\data.ms (-1228) (-)



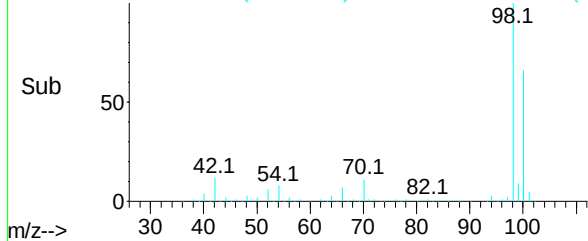
4-Methyl-2-Pentanone
Concen: 0.46 ug/l
RT: 8.647 min Scan# 1228
Delta R.T. 0.073 min
Lab File: VX025459.D
Acq: 03 Dec 2021 04:03

Instrument :
MSVOA_D
ClientSampleId :

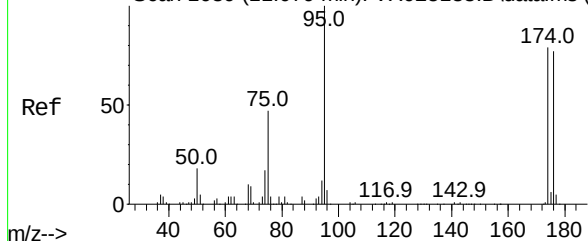
Tgt Ion: 43 Resp: 901
Ion Ratio Lower Upper
43 100
58 182.0 30.9 46.3#



Abundance Scan 1240 (8.647 min): VX025459.D\data.ms (-1179) (-)

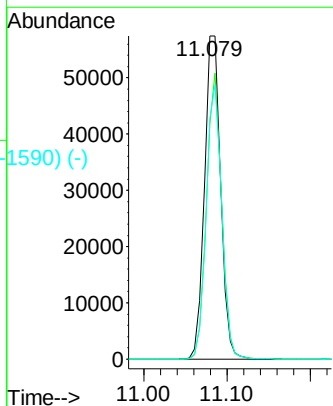
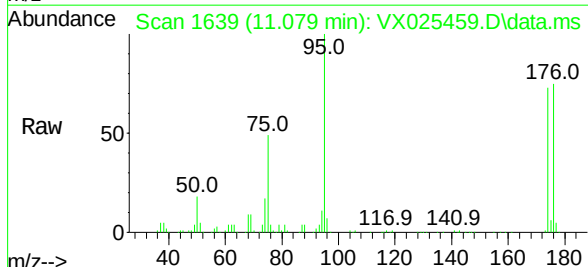


Abundance Scan 1639 (11.079 min): VX025183.D\data.ms (-1639) (-)

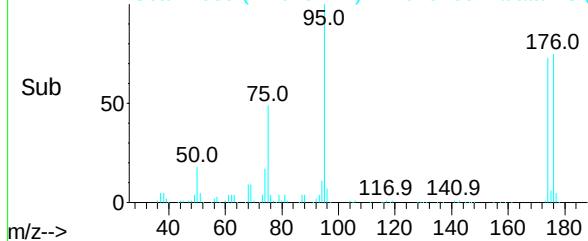


4-Bromofluorobenzene
Concen: 46.55 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX025459.D
Acq: 03 Dec 2021 04:03

Tgt Ion: 95 Resp: 76931
Ion Ratio Lower Upper
95 100
174 82.8 0.0 158.0
176 81.7 0.0 153.6



Abundance Scan 1639 (11.079 min): VX025459.D\data.ms (-1590) (-)



Abundance Scan 1471 (10.055 min): VX025183.D\data.ms (-1468) (-)

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.055 min Scan# 1468

Delta R.T. -0.000 min

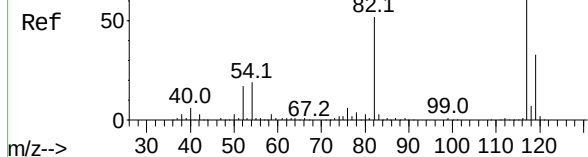
Lab File: VX025459.D

Acq: 03 Dec 2021 04:03

Instrument :

MSVOA_D

ClientSampleId :



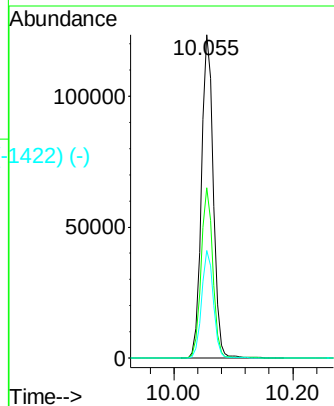
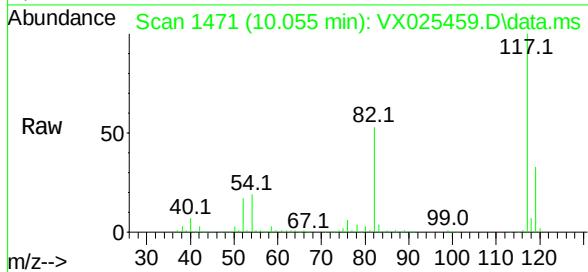
Tgt Ion:117 Resp: 169544

Ion Ratio Lower Upper

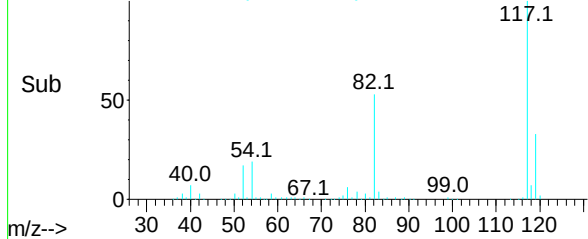
117 100

82 52.7 44.6 67.0

119 33.2 24.8 37.2



Abundance Scan 1471 (10.055 min): VX025459.D\data.ms (-1422) (-)



Abundance Scan 1494 (10.195 min): VX025183.D\data.ms (-1467) (-)

Ethyl Benzene

Concen: 0.97 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX025459.D

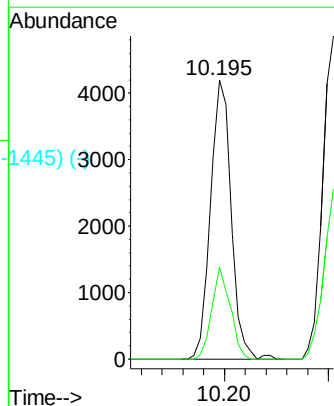
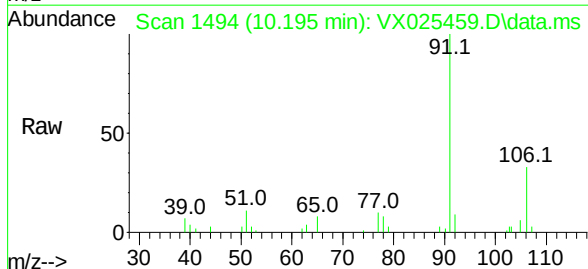
Acq: 03 Dec 2021 04:03

Tgt Ion: 91 Resp: 5778

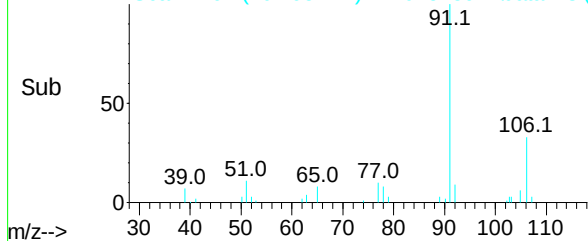
Ion Ratio Lower Upper

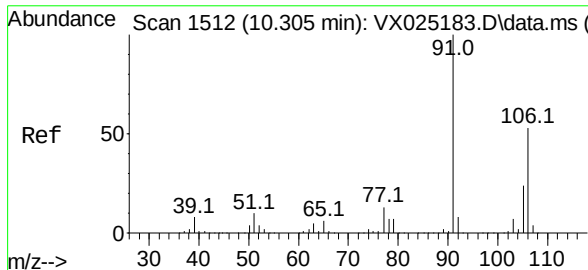
91 100

106 32.9 24.7 37.1



Abundance Scan 1494 (10.195 min): VX025459.D\data.ms (-1445) (-)

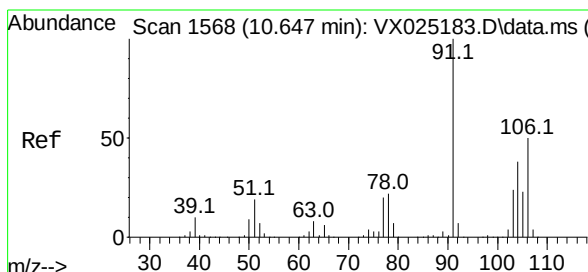
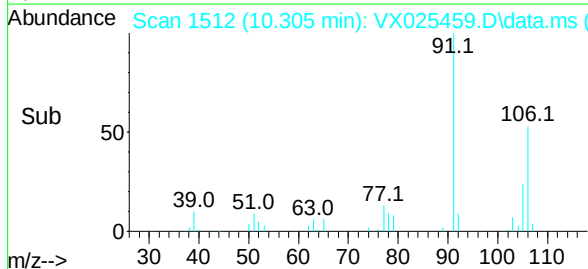
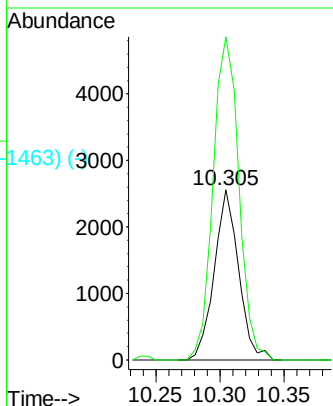
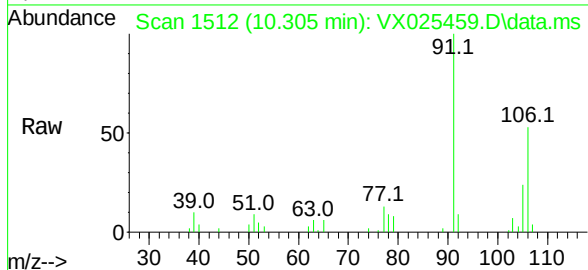




m/p-Xylenes
Concen: 1.38 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX025459.D
Acq: 03 Dec 2021 04:03

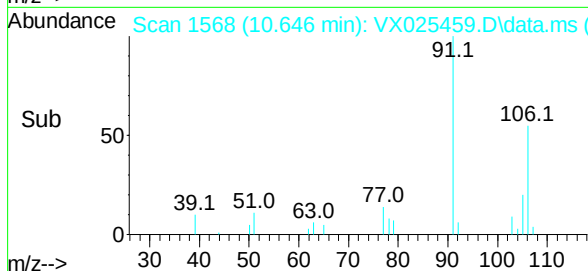
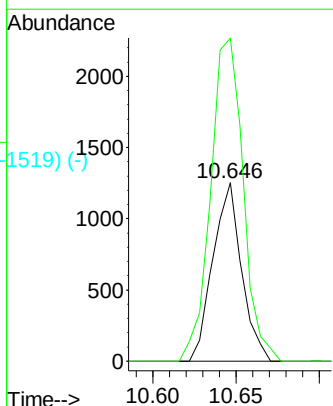
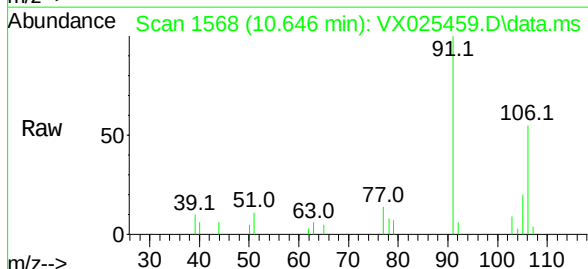
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:106 Resp: 3367
Ion Ratio Lower Upper
106 100
91 201.3 163.4 245.0



o-Xylene
Concen: 0.63 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. -0.001 min
Lab File: VX025459.D
Acq: 03 Dec 2021 04:03

Tgt Ion:106 Resp: 1503
Ion Ratio Lower Upper
106 100
91 206.2 109.5 328.4



Abundance Scan 1794 (12.024 min): VX025183.D\data.ms (-1759) (-)

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.024 min Scan# 1759

Delta R.T. 0.000 min

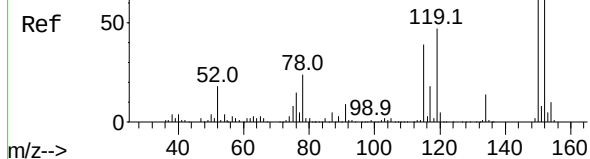
Lab File: VX025459.D

Acq: 03 Dec 2021 04:03

Instrument :

MSVOA_D

ClientSampleId :



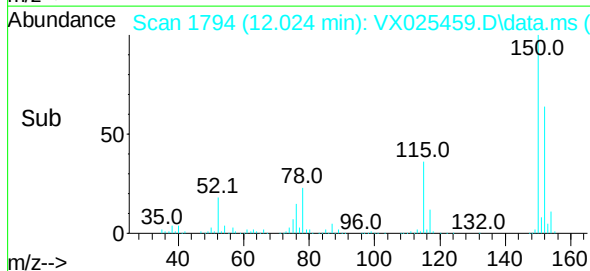
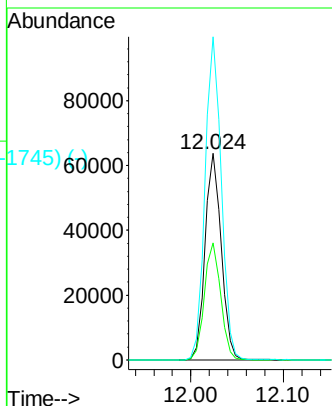
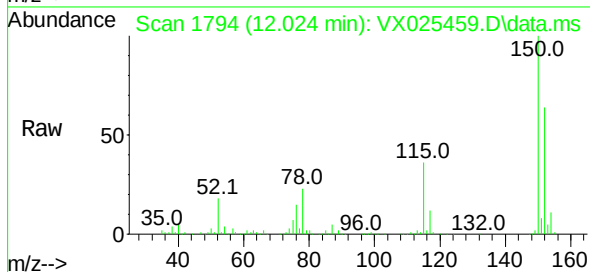
Tgt Ion:152 Resp: 77171

Ion Ratio Lower Upper

152 100

115 57.1 43.3 129.8

150 157.3 0.0 351.2



Abundance Scan 1666 (11.244 min): VX025183.D\data.ms (-1676) (-)

1,2,3-Trichloropropane

Concen: 23.28 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX025459.D

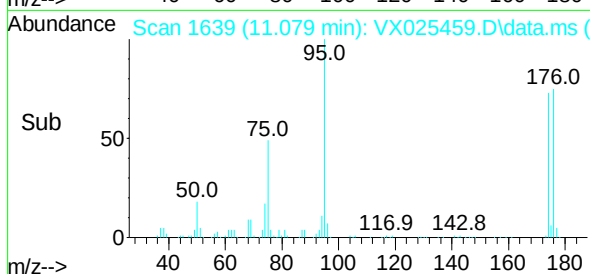
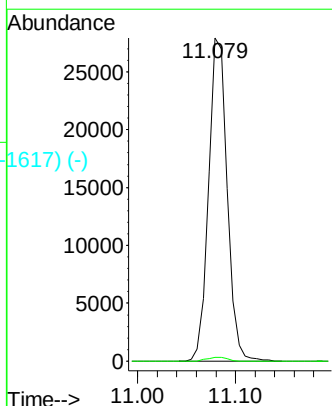
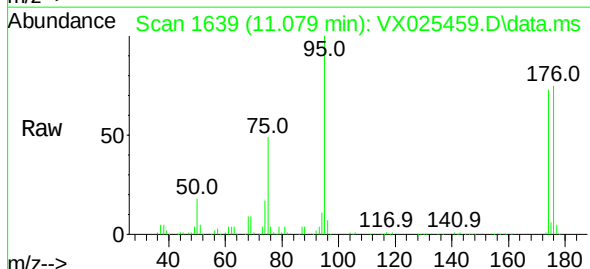
Acq: 03 Dec 2021 04:03

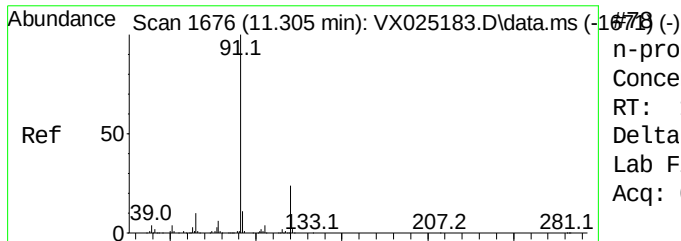
Tgt Ion: 75 Resp: 36787

Ion Ratio Lower Upper

75 100

77 1.3 20.0 59.9#





n-propylbenzene

Concen: 0.22 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX025459.D

Acq: 03 Dec 2021 04:03

Instrument :

MSVOA_D

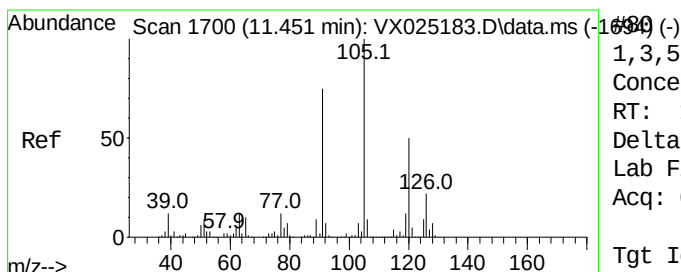
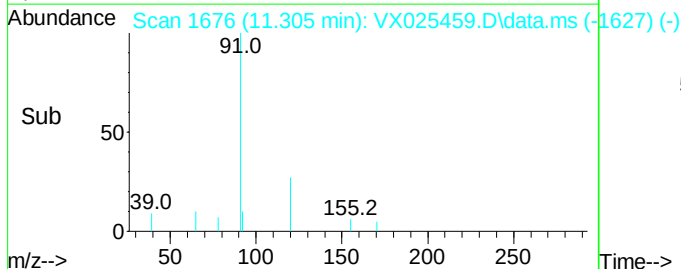
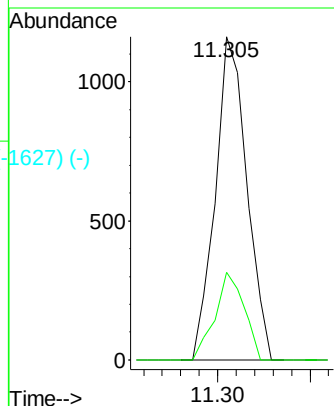
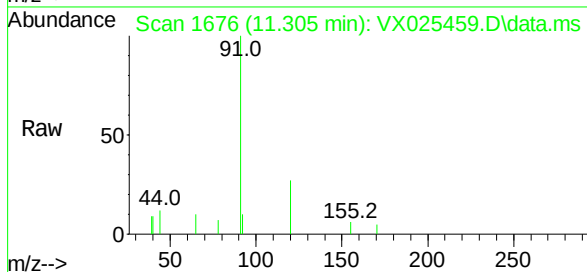
ClientSampleId :

Tgt Ion: 91 Resp: 1370

Ion Ratio Lower Upper

91 100

120 25.0 11.7 35.0



1,3,5-Trimethylbenzene

Concen: 0.21 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX025459.D

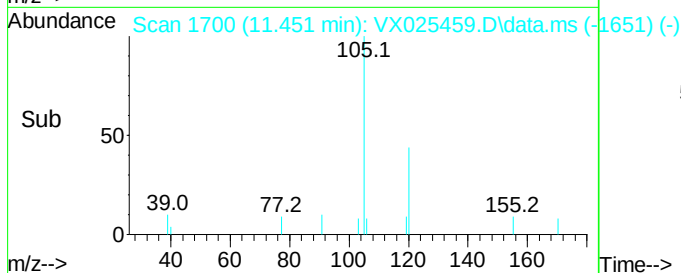
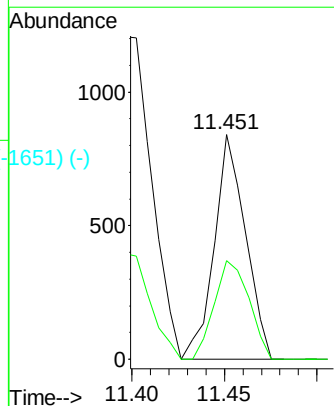
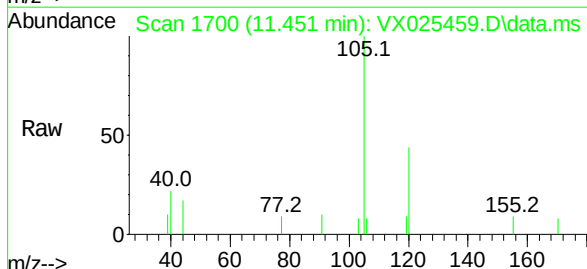
Acq: 03 Dec 2021 04:03

Tgt Ion: 105 Resp: 985

Ion Ratio Lower Upper

105 100

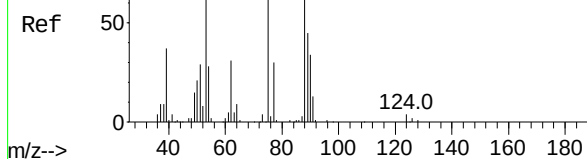
120 48.7 23.8 71.5



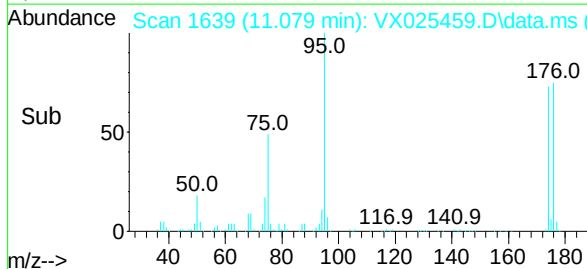
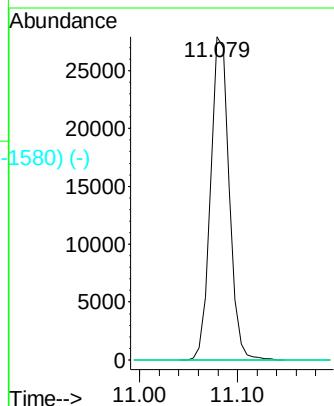
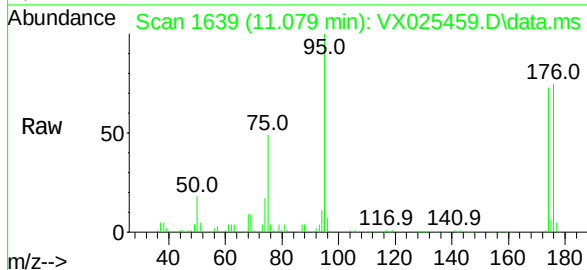
Abundance Scan 1629 (11.018 min): VX025183.D\data.ms (-1629) (-)

trans-1,4-Dichloro-2-butene
Concen: 58.64 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX025459.D
Acq: 03 Dec 2021 04:03

Instrument :
MSVOA_D
ClientSampleId :



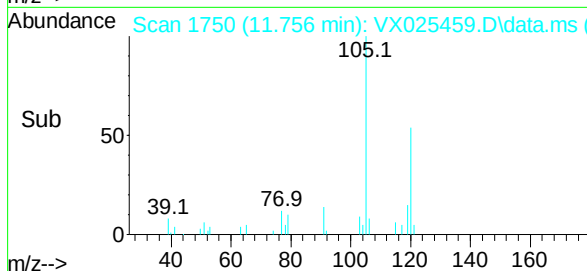
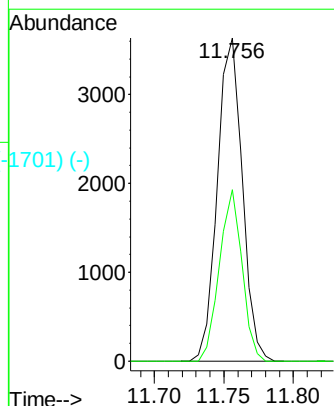
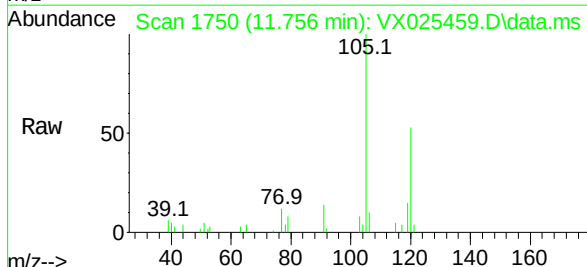
Tgt Ion:	75	Resp:	36787
Ion	Ratio	Lower	Upper
75	100		
53	0.0	81.9	122.9#
89	0.0	38.2	57.2#



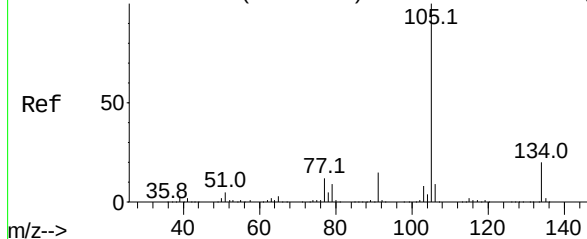
Abundance Scan 1750 (11.756 min): VX025183.D\data.ms (-1750) (-)

1,2,4-Trimethylbenzene
Concen: 0.99 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX025459.D
Acq: 03 Dec 2021 04:03

Tgt Ion:	105	Resp:	4524
Ion	Ratio	Lower	Upper
105	100		
120	48.1	22.1	66.3



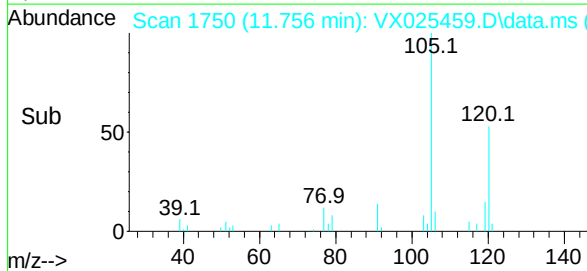
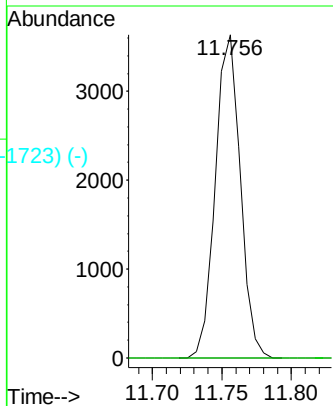
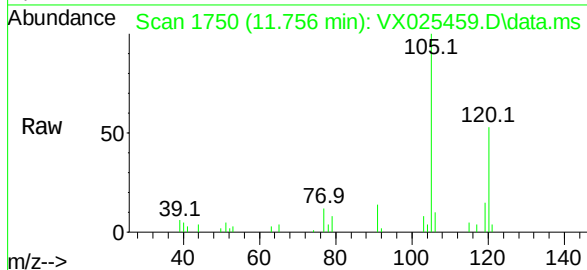
Abundance Scan 1772 (11.890 min): VX025183.D\data.ms (-1785) (-)



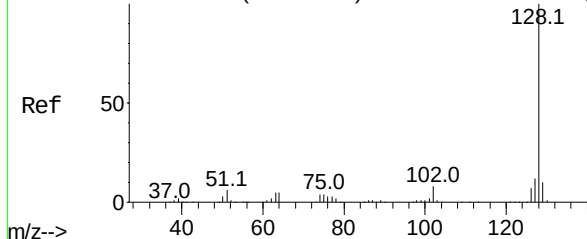
sec-Butylbenzene
Concen: 0.79 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.134 min
Lab File: VX025459.D
Acq: 03 Dec 2021 04:03

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:105 Resp: 4524
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#



Abundance Scan 2082 (13.780 min): VX025183.D\data.ms (-2095) (-)



Naphthalene
Concen: 0.37 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX025459.D
Acq: 03 Dec 2021 04:03

Tgt Ion:128 Resp: 3888
Ion Ratio Lower Upper
128 100
127 15.4 10.3 15.5
129 9.5 8.8 13.2

