

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120221\
 Data File : VX025457.D
 Acq On : 03 Dec 2021 03:17
 Operator : JC/MD
 Sample : M4918-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 03 06:15:23 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)

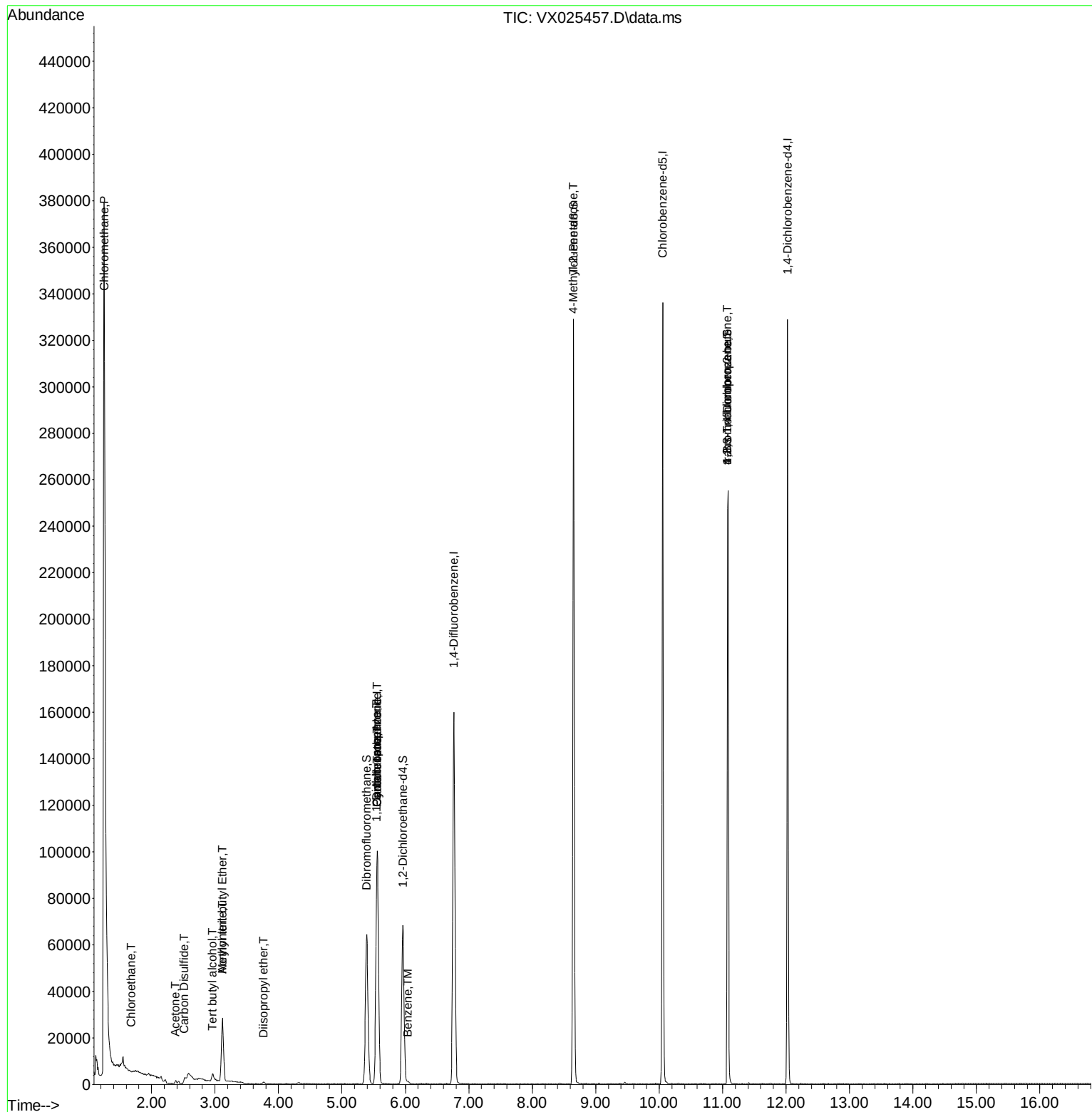
Internal Standards						
1) Pentafluorobenzene	5.556	168	102786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	174473	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	155262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	68599	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	62793	57.96	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.92%			
35) Dibromofluoromethane	5.391	113	54839	51.23	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.46%			
50) Toluene-d8	8.653	98	200321	49.77	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.54%			
62) 4-Bromofluorobenzene	11.079	95	68761	45.16	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.32%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.252	50	12280	11.13	ug/l #	42
6) Chloroethane	1.679	64	317	0.38	ug/l #	46
11) Tert butyl alcohol	2.959	59	2618	0.86	ug/l	96
15) Acrylonitrile	3.117	53	274	0.47	ug/l #	11
16) Acetone	2.380	43	1331	2.21	ug/l	97
17) Carbon Disulfide	2.514	76	3264	1.22	ug/l #	93
19) Methyl tert-butyl Ether	3.117	73	31412	9.46	ug/l	97
22) Diisopropyl ether	3.764	45	896	0.27	ug/l #	81
31) Cyclohexane	5.556	56	1759	1.05	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	6801	4.47	ug/l #	49
38) Carbon Tetrachloride	5.556	117	9693	5.78	ug/l #	16
40) Benzene	6.038	78	1355	0.29	ug/l	91
51) 4-Methyl-2-Pentanone	8.647	43	802	0.44	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	33774	24.04	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	33774	60.57	ug/l #	9
95) Naphthalene	13.780	128	223	Below Cal	#	69

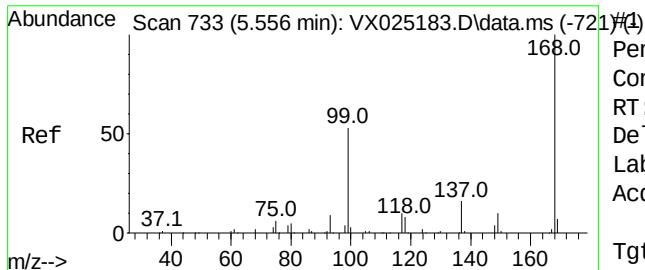
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX025457.D

Acq: 03 Dec 2021 03:17

Instrument :

MSVOA_D

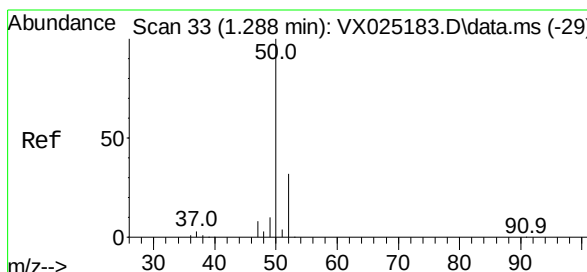
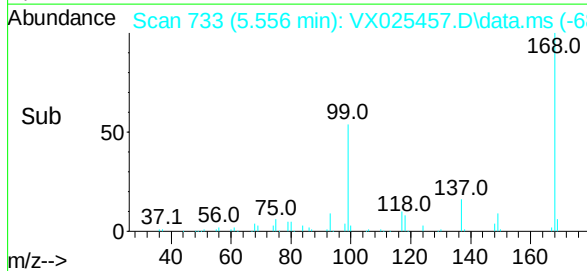
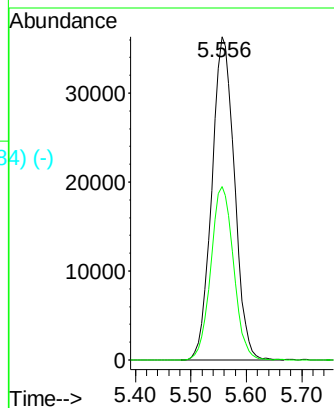
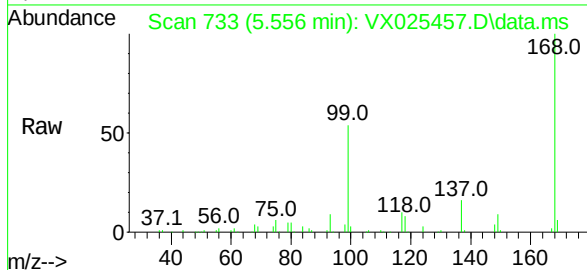
ClientSampleId :

Tgt Ion:168 Resp: 102786

Ion Ratio Lower Upper

168 100

99 53.7 46.4 69.6



Chloromethane

Concen: 11.13 ug/l

RT: 1.252 min Scan# 27

Delta R.T. -0.036 min

Lab File: VX025457.D

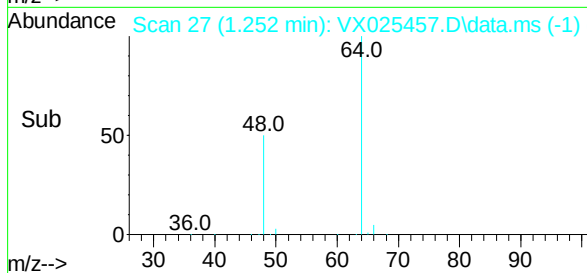
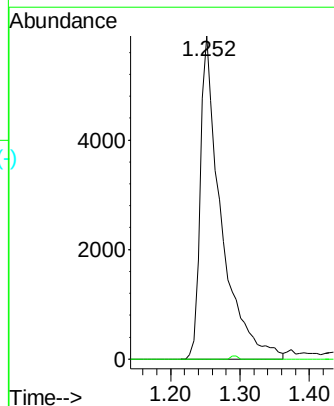
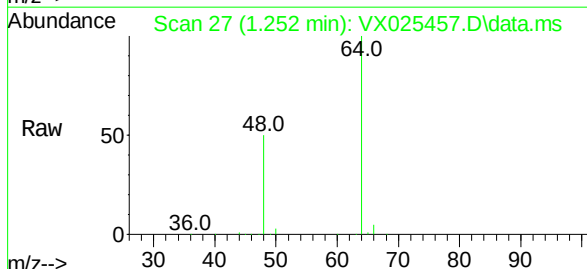
Acq: 03 Dec 2021 03:17

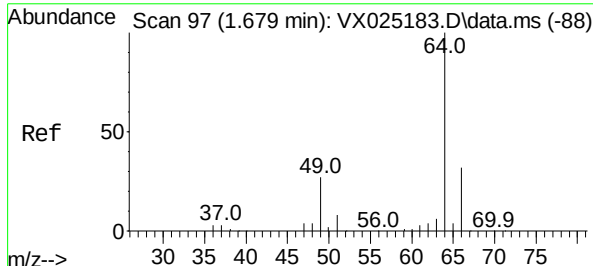
Tgt Ion: 50 Resp: 12280

Ion Ratio Lower Upper

50 100

52 0.0 25.9 38.9#





Chloroethane

Concen: 0.38 ug/l

RT: 1.679 min Scan# 317

Delta R.T. -0.000 min

Lab File: VX025457.D

Acq: 03 Dec 2021 03:17

Instrument :

MSVOA_D

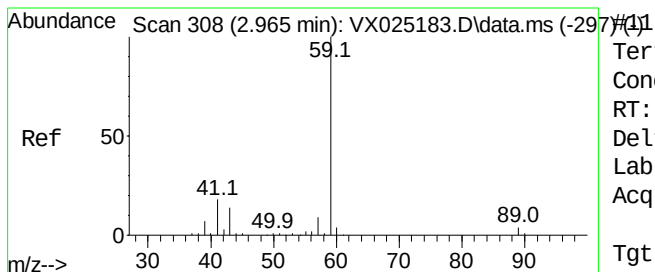
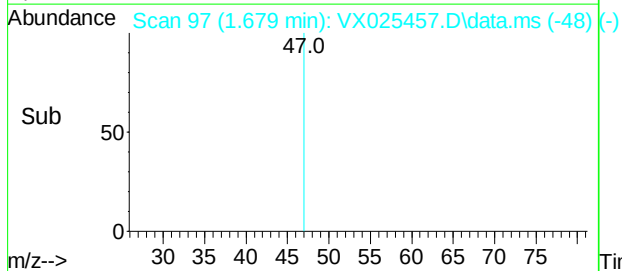
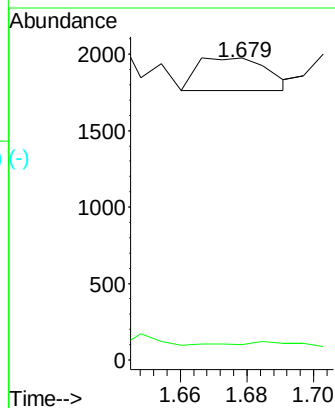
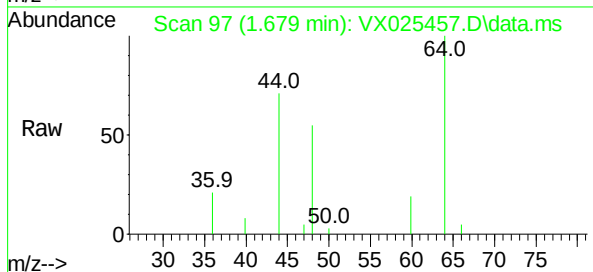
ClientSampleId :

Tgt Ion: 64 Resp: 317

Ion Ratio Lower Upper

64 100

66 1.9 25.6 38.4#



Tert butyl alcohol

Concen: 0.86 ug/l

RT: 2.959 min Scan# 307

Delta R.T. -0.006 min

Lab File: VX025457.D

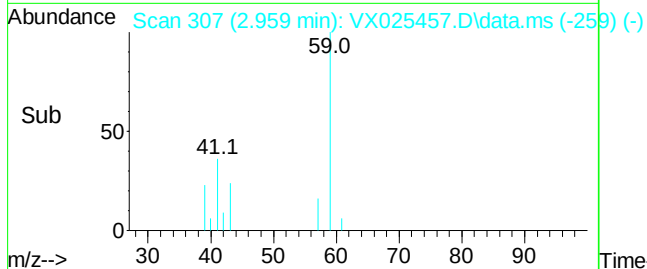
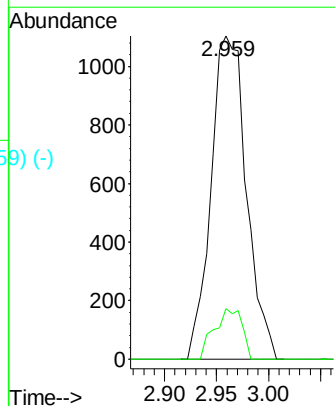
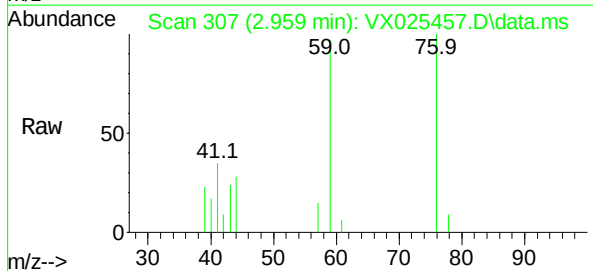
Acq: 03 Dec 2021 03:17

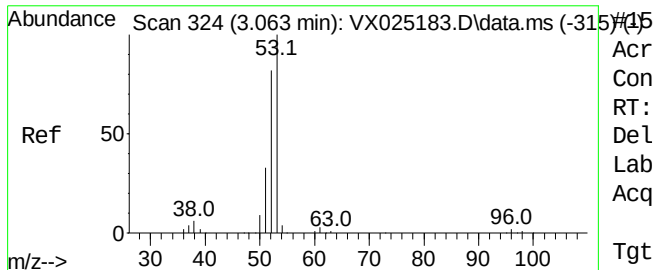
Tgt Ion: 59 Resp: 2618

Ion Ratio Lower Upper

59 100

57 12.3 8.5 12.7





Acrylonitrile

Concen: 0.47 ug/l

RT: 3.117 min Scan# 315

Delta R.T. 0.054 min

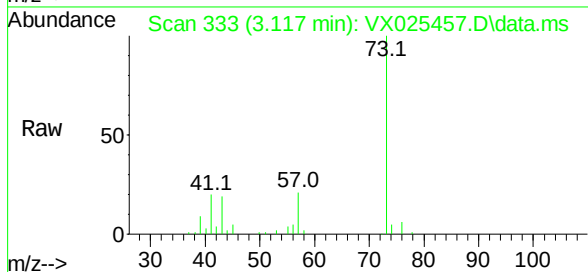
Lab File: VX025457.D

Acq: 03 Dec 2021 03:17

Instrument :

MSVOA_D

ClientSampleId :



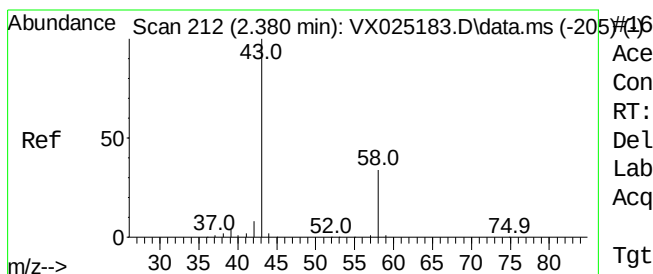
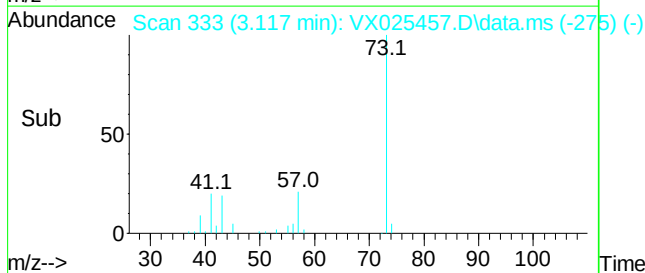
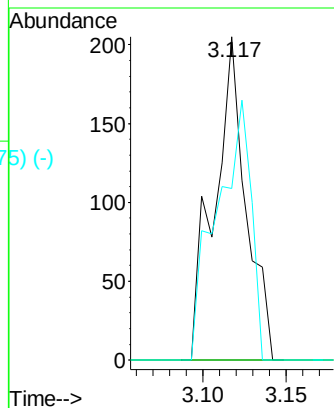
Tgt Ion: 53 Resp: 274

Ion Ratio Lower Upper

53 100

52 0.0 66.2 99.4#

51 86.1 29.8 44.8#



Acetone

Concen: 2.21 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX025457.D

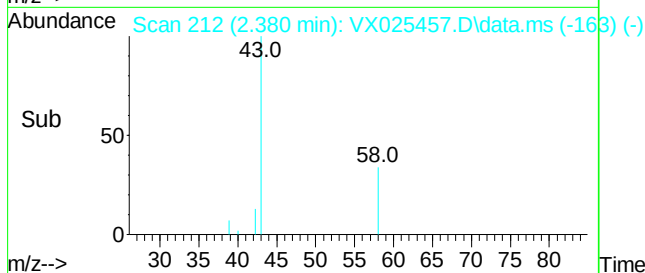
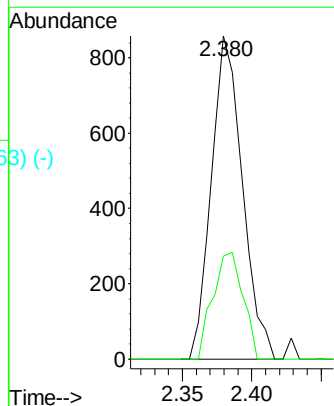
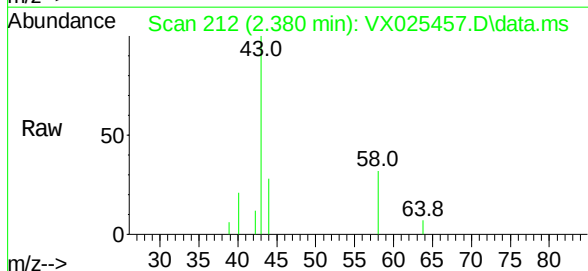
Acq: 03 Dec 2021 03:17

Tgt Ion: 43 Resp: 1331

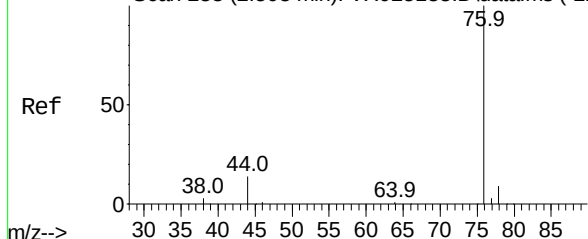
Ion Ratio Lower Upper

43 100

58 31.8 24.0 36.0



Abundance Scan 233 (2.508 min): VX025183.D\data.ms (-225) #17

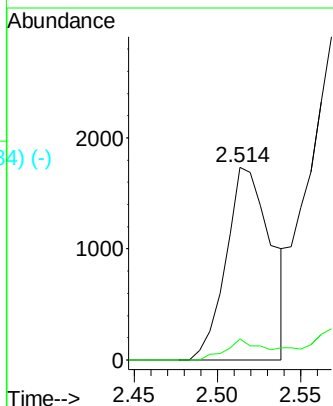
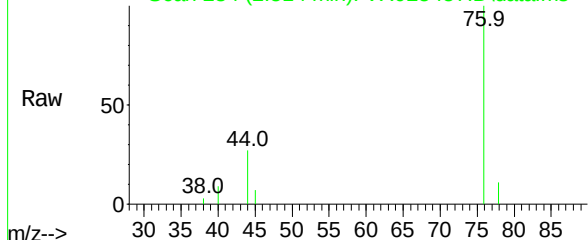


Carbon Disulfide
Concen: 1.22 ug/l
RT: 2.514 min Scan# 17
Delta R.T. 0.006 min
Lab File: VX025457.D
Acq: 03 Dec 2021 03:17

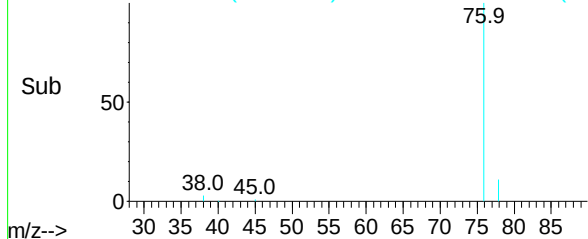
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 76 Resp: 3264
Ion Ratio Lower Upper
76 100
78 11.0 6.9 10.3#

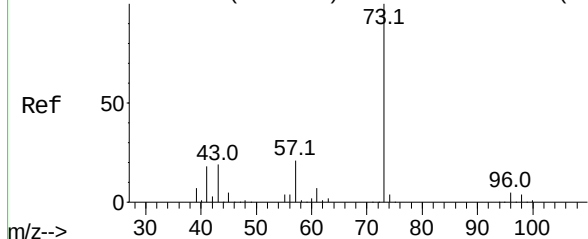
Abundance Scan 234 (2.514 min): VX025457.D\data.ms



Abundance Scan 234 (2.514 min): VX025457.D\data.ms (-184) (-)



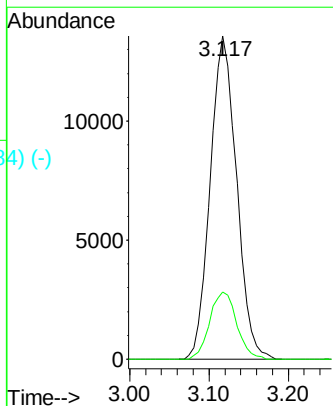
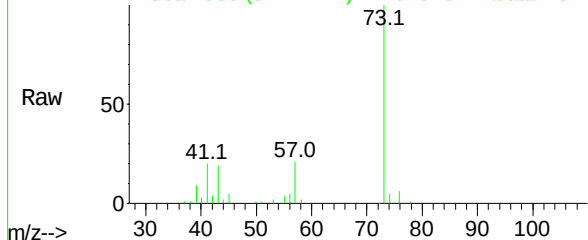
Abundance Scan 333 (3.117 min): VX025183.D\data.ms (-322) #19



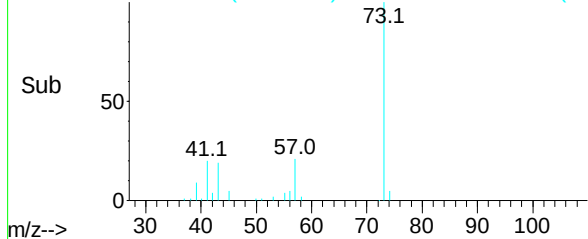
Methyl tert-butyl Ether
Concen: 9.46 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX025457.D
Acq: 03 Dec 2021 03:17

Tgt Ion: 73 Resp: 31412
Ion Ratio Lower Upper
73 100
57 20.7 17.5 26.3

Abundance Scan 333 (3.117 min): VX025457.D\data.ms



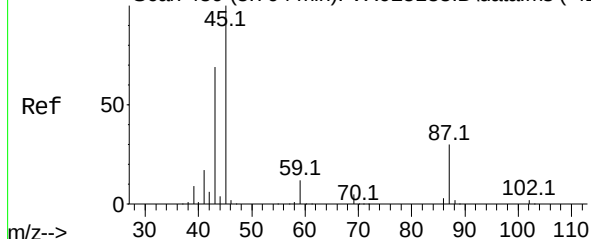
Abundance Scan 333 (3.117 min): VX025457.D\data.ms (-284) (-)



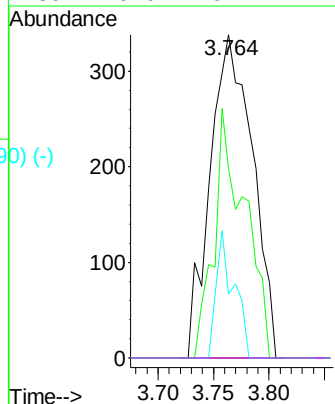
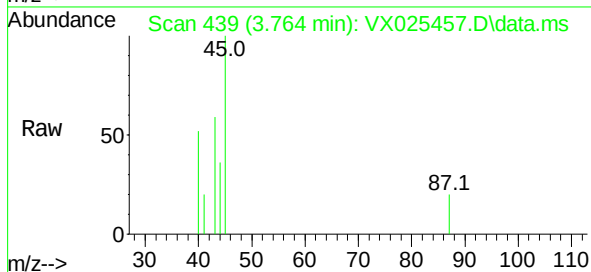
Abundance Scan 439 (3.764 min): VX025183.D\data.ms (-424)#22

Diisopropyl ether
Concen: 0.27 ug/l
RT: 3.764 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX025457.D
Acq: 03 Dec 2021 03:17

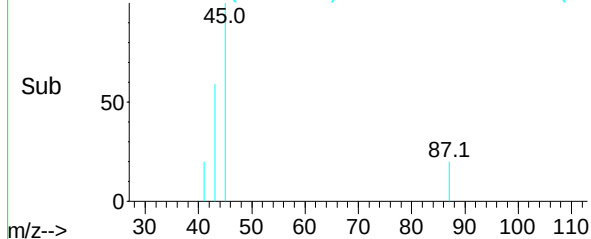
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	45	Resp:	896
Ion	Ratio	Lower	Upper
45	100		
43	58.6	58.3	87.5
87	19.8	23.7	35.5#
59	0.0	9.4	14.0#



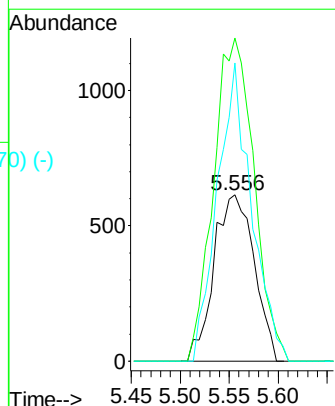
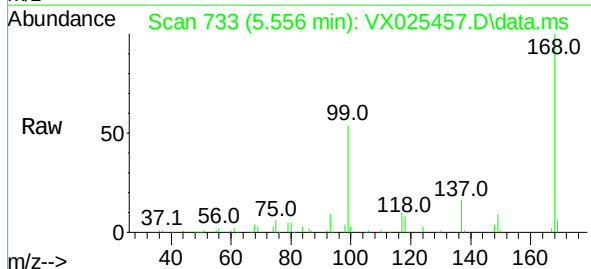
Abundance Scan 439 (3.764 min): VX025457.D\data.ms (-390) (-)



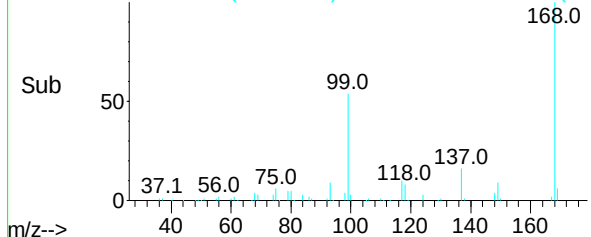
Abundance Scan 719 (5.471 min): VX025183.D\data.ms (-706)#31

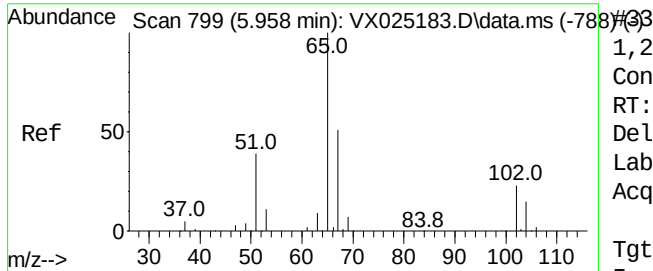
Cyclohexane
Concen: 1.05 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX025457.D
Acq: 03 Dec 2021 03:17

Tgt Ion:	56	Resp:	1759
Ion	Ratio	Lower	Upper
56	100		
69	194.1	24.2	36.2#
84	179.3	71.5	107.3#



Abundance Scan 733 (5.556 min): VX025457.D\data.ms (-670) (-)

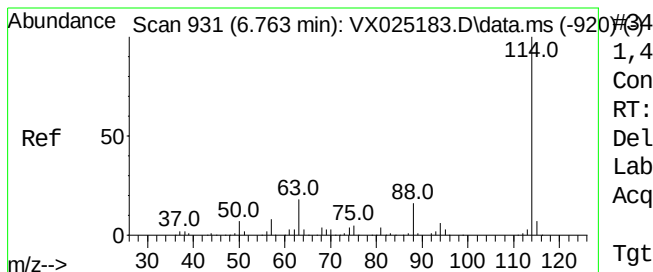
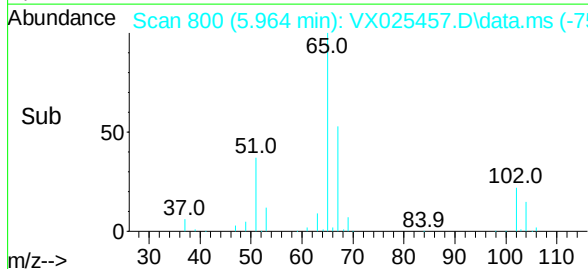
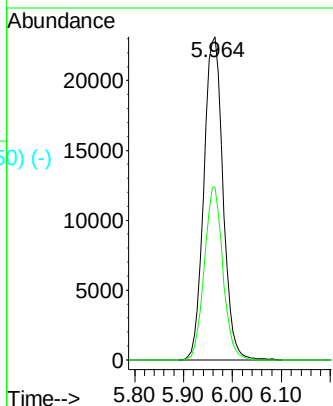
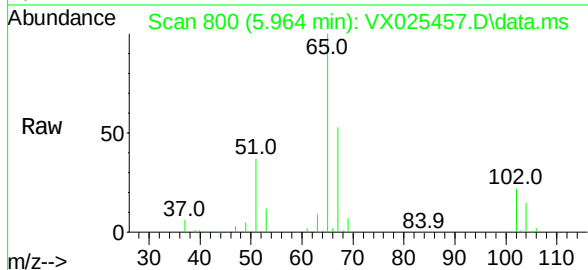




1,2-Dichloroethane-d4
 Concen: 57.96 ug/l
 RT: 5.964 min Scan# 81
 Delta R.T. 0.006 min
 Lab File: VX025457.D
 Acq: 03 Dec 2021 03:17

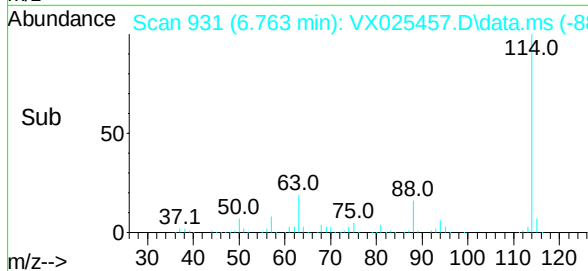
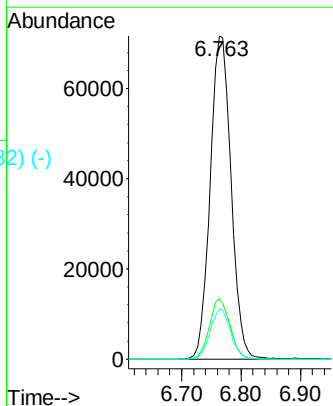
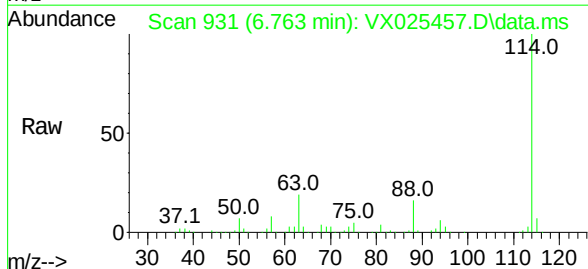
Instrument :
 MSVOA_D
 ClientSampleId :

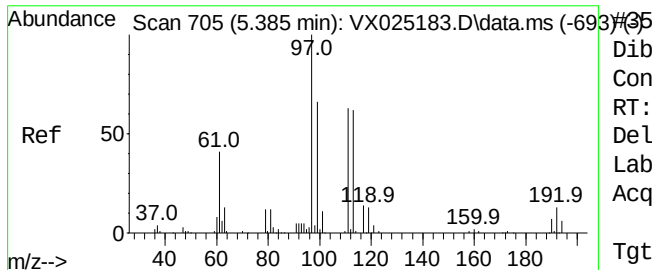
Tgt Ion: 65 Resp: 62793
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 101.0



1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX025457.D
 Acq: 03 Dec 2021 03:17

Tgt Ion: 114 Resp: 174473
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 41.0
 88 15.6 0.0 34.8

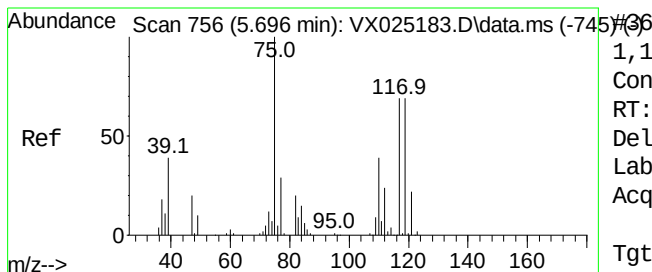
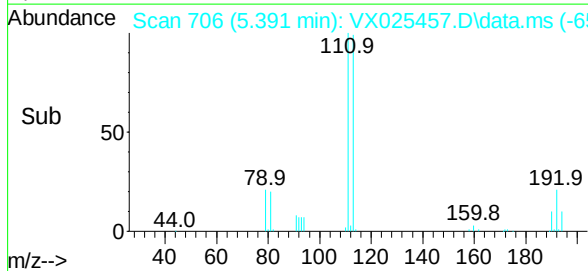
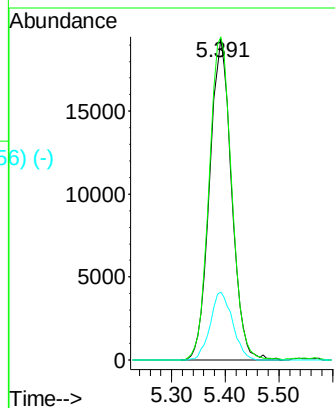
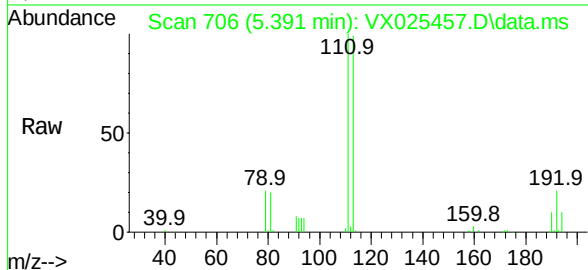




Dibromofluoromethane
Concen: 51.23 ug/l
RT: 5.391 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX025457.D
Acq: 03 Dec 2021 03:17

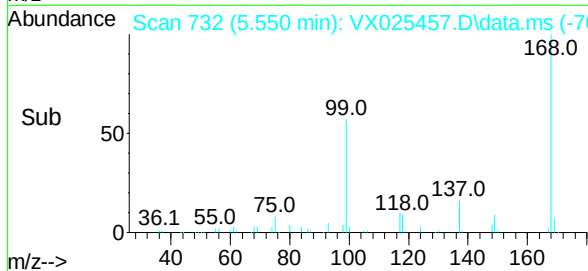
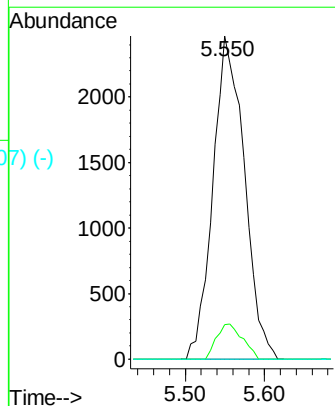
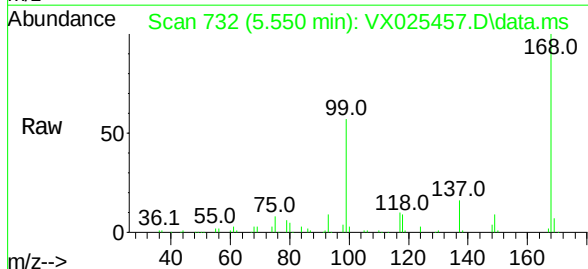
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:113 Resp: 54839
Ion Ratio Lower Upper
113 100
111 103.4 82.1 123.1
192 21.4 15.6 23.4



1,1-Dichloropropene
Concen: 4.47 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX025457.D
Acq: 03 Dec 2021 03:17

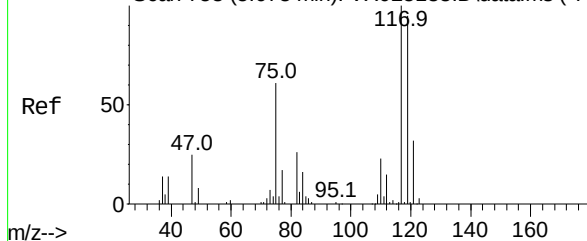
Tgt Ion: 75 Resp: 6801
Ion Ratio Lower Upper
75 100
110 9.0 18.1 54.3#
77 0.0 24.4 36.6#



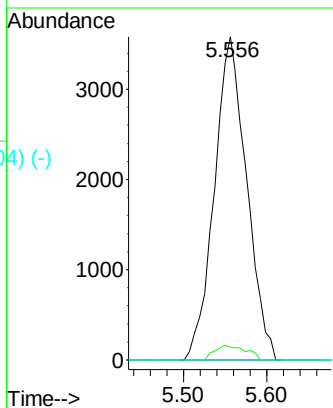
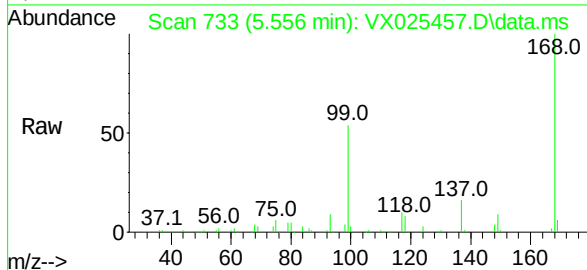
Abundance Scan 753 (5.678 min): VX025183.D\data.ms (-742) #38

Carbon Tetrachloride
Concen: 5.78 ug/l
RT: 5.556 min Scan#
Delta R.T. -0.122 min
Lab File: VX025457.D
Acq: 03 Dec 2021 03:17

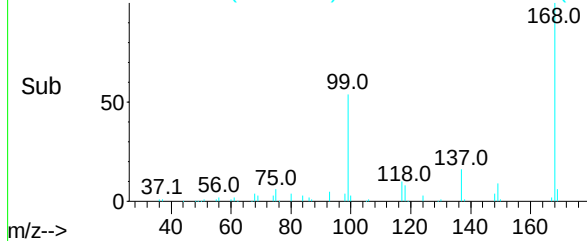
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	117	Resp:	9693
Ion	Ratio	Lower	Upper
117	100		
119	4.0	75.6	113.4#
121	0.0	23.7	35.5#



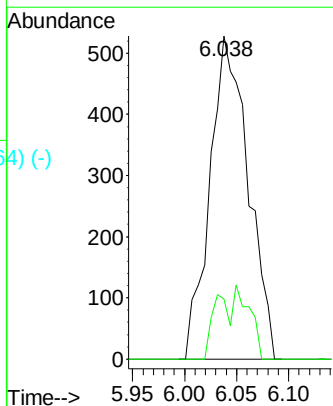
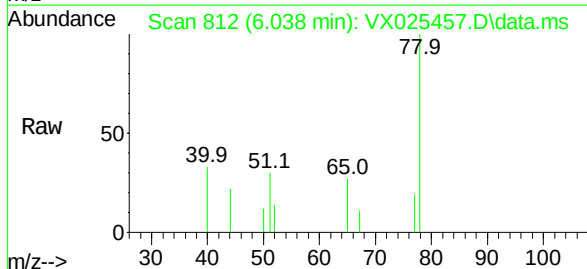
Abundance Scan 733 (5.556 min): VX025457.D\data.ms (-704) (-)



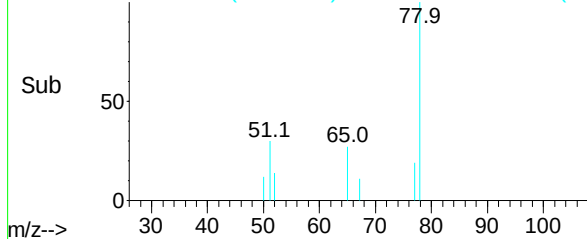
Abundance Scan 813 (6.044 min): VX025183.D\data.ms (-800) #40

Benzene
Concen: 0.29 ug/l
RT: 6.038 min Scan# 812
Delta R.T. -0.006 min
Lab File: VX025457.D
Acq: 03 Dec 2021 03:17

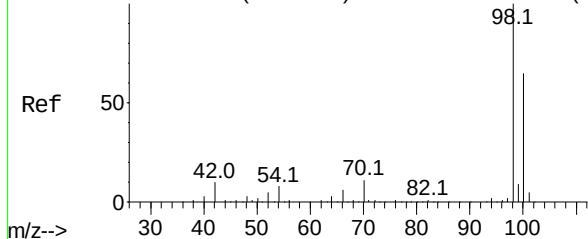
Tgt Ion:	78	Resp:	1355
Ion	Ratio	Lower	Upper
78	100		
77	18.6	18.3	27.5



Abundance Scan 812 (6.038 min): VX025457.D\data.ms (-764) (-)



Abundance Scan 1241 (8.653 min): VX025183.D\data.ms (-12350-)



Toluene-d8

Concen: 49.77 ug/l

RT: 8.653 min Scan#

Delta R.T. -0.000 min

Lab File: VX025457.D

Acq: 03 Dec 2021 03:17

Instrument :

MSVOA_D

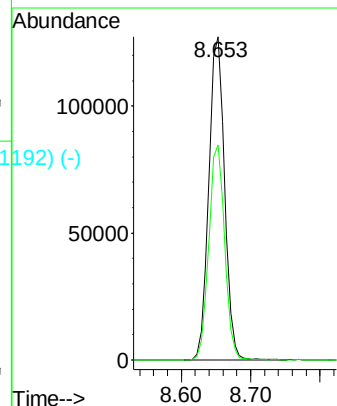
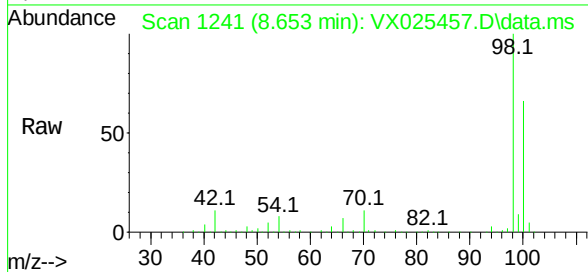
ClientSampleId :

Tgt Ion: 98 Resp: 200321

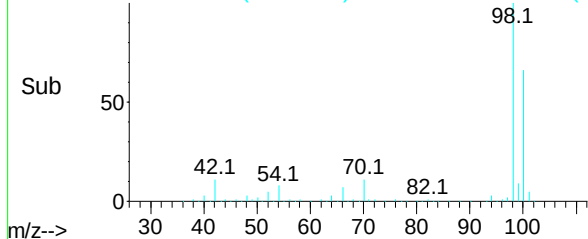
Ion Ratio Lower Upper

98 100

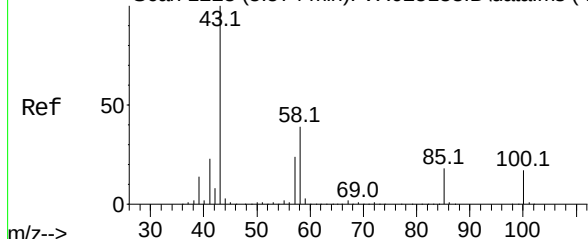
100 66.8 51.4 77.0



Abundance Scan 1241 (8.653 min): VX025457.D\data.ms (-1192-)



Abundance Scan 1228 (8.574 min): VX025183.D\data.ms (-12351-)



4-Methyl-2-Pentanone

Concen: 0.44 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX025457.D

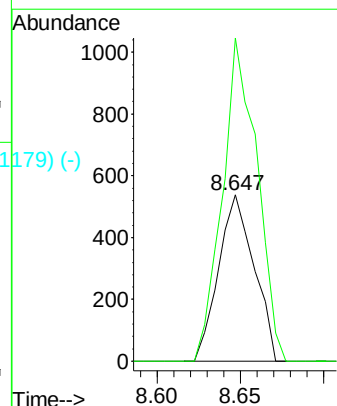
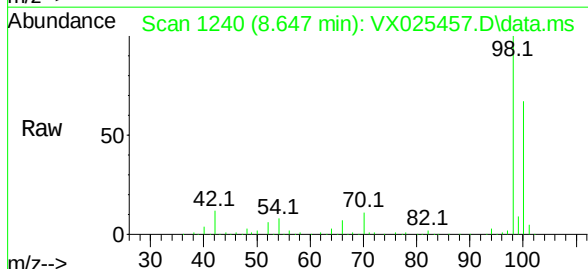
Acq: 03 Dec 2021 03:17

Tgt Ion: 43 Resp: 802

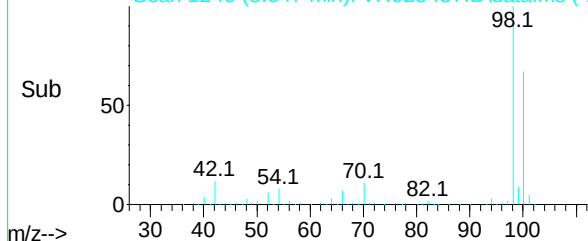
Ion Ratio Lower Upper

43 100

58 189.9 30.9 46.3#



Abundance Scan 1240 (8.647 min): VX025457.D\data.ms (-1179-)



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

4-Bromofluorobenzene

Concen: 45.16 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

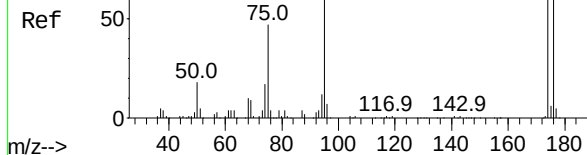
Lab File: VX025457.D

Acq: 03 Dec 2021 03:17

Instrument :

MSVOA_D

ClientSampleId :



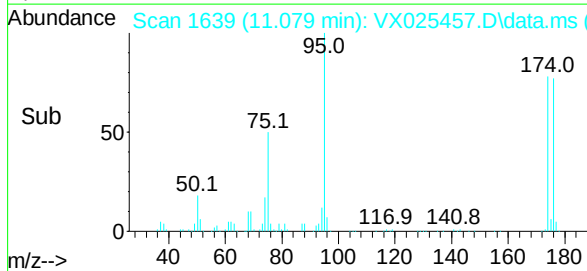
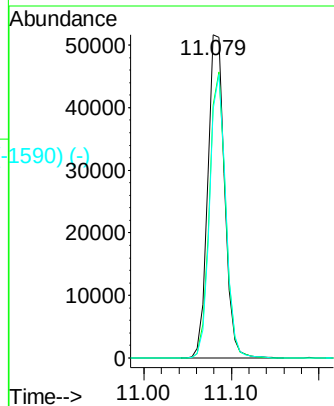
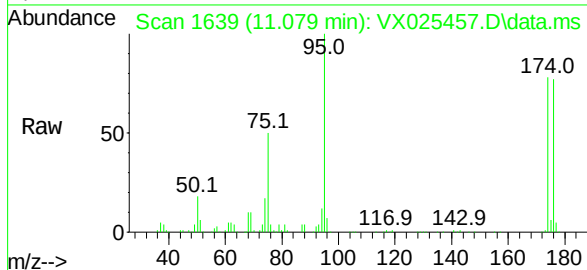
Tgt Ion: 95 Resp: 68761

Ion Ratio Lower Upper

95 100

174 84.9 0.0 158.0

176 84.1 0.0 153.6



Abundance Scan 1471 (10.055 min): VX025183.D\data.ms (-1469) (-)

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX025457.D

Acq: 03 Dec 2021 03:17

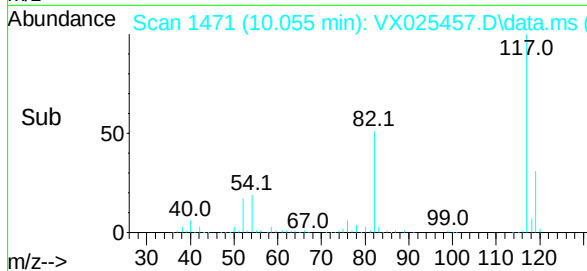
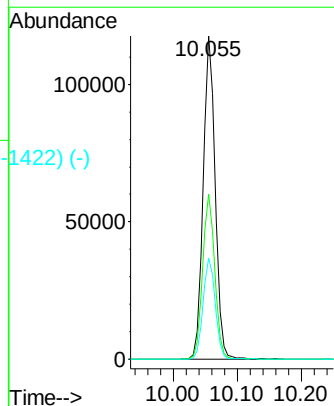
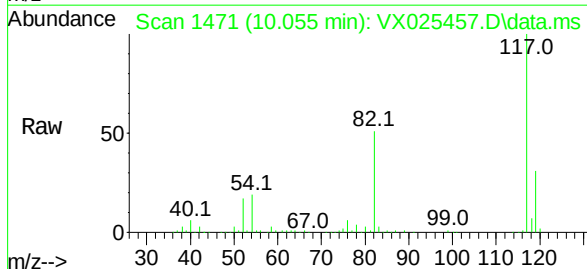
Tgt Ion: 117 Resp: 155262

Ion Ratio Lower Upper

117 100

82 51.1 44.6 67.0

119 31.2 24.8 37.2



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

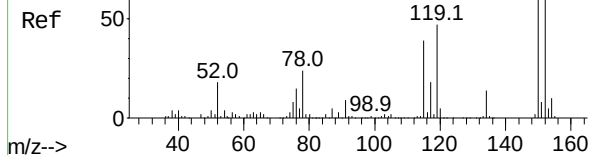
Lab File: VX025457.D

Acq: 03 Dec 2021 03:17

Instrument :

MSVOA_D

ClientSampleId :



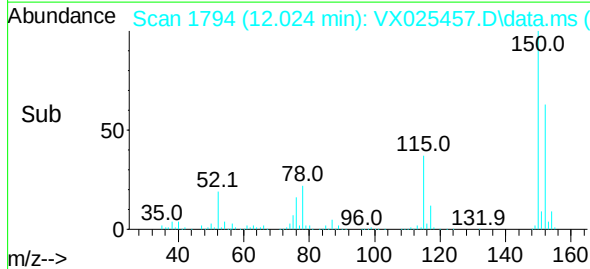
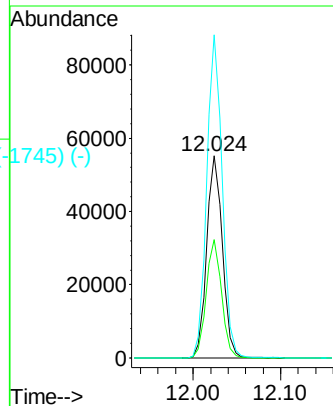
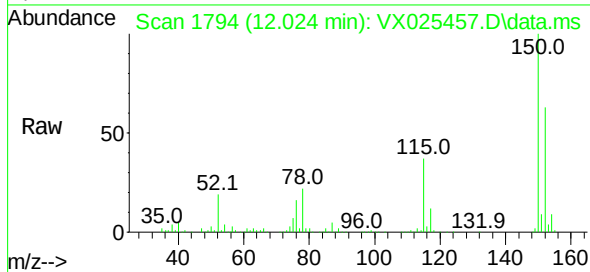
Tgt Ion:152 Resp: 68599

Ion Ratio Lower Upper

152 100

115 57.1 43.3 129.8

150 157.2 0.0 351.2



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

1,2,3-Trichloropropane

Concen: 24.04 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX025457.D

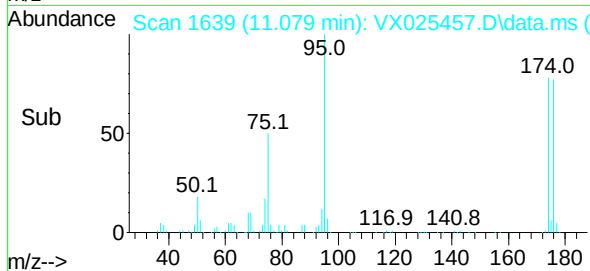
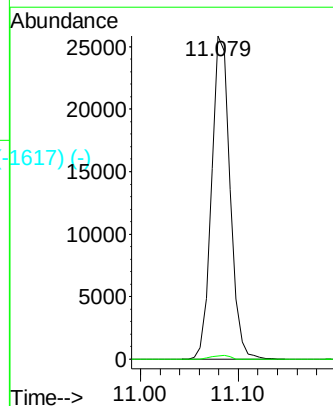
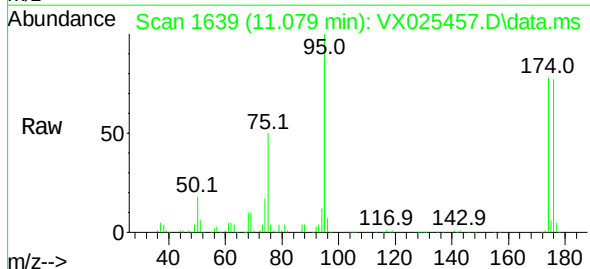
Acq: 03 Dec 2021 03:17

Tgt Ion: 75 Resp: 33774

Ion Ratio Lower Upper

75 100

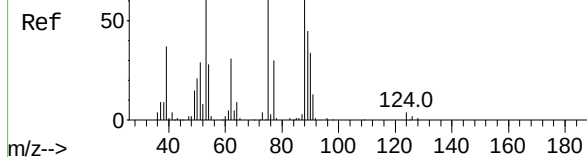
77 1.2 20.0 59.9#



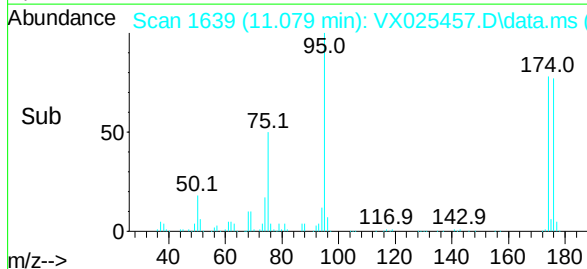
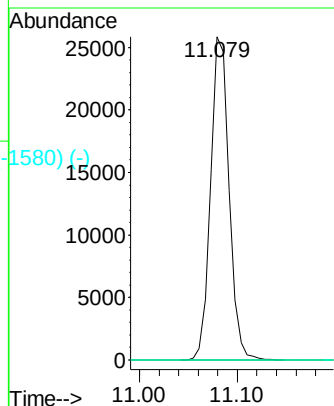
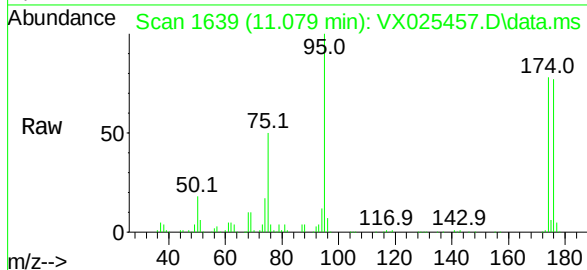
Abundance Scan 1629 (11.018 min): VX025183.D\data.ms (-1629) (-)

trans-1,4-Dichloro-2-butene
Concen: 60.57 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX025457.D
Acq: 03 Dec 2021 03:17

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	75	Resp:	33774
Ion	Ratio	Lower	Upper
75	100		
53	0.0	81.9	122.9#
89	0.0	38.2	57.2#



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

Naphthalene
Concen: Below Cal
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX025457.D
Acq: 03 Dec 2021 03:17

Tgt Ion:	128	Resp:	223
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.8	13.2#

