

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120221\
 Data File : VX025463.D
 Acq On : 03 Dec 2021 05:37
 Operator : JC/MD
 Sample : M4918-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 03 06:16:56 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)

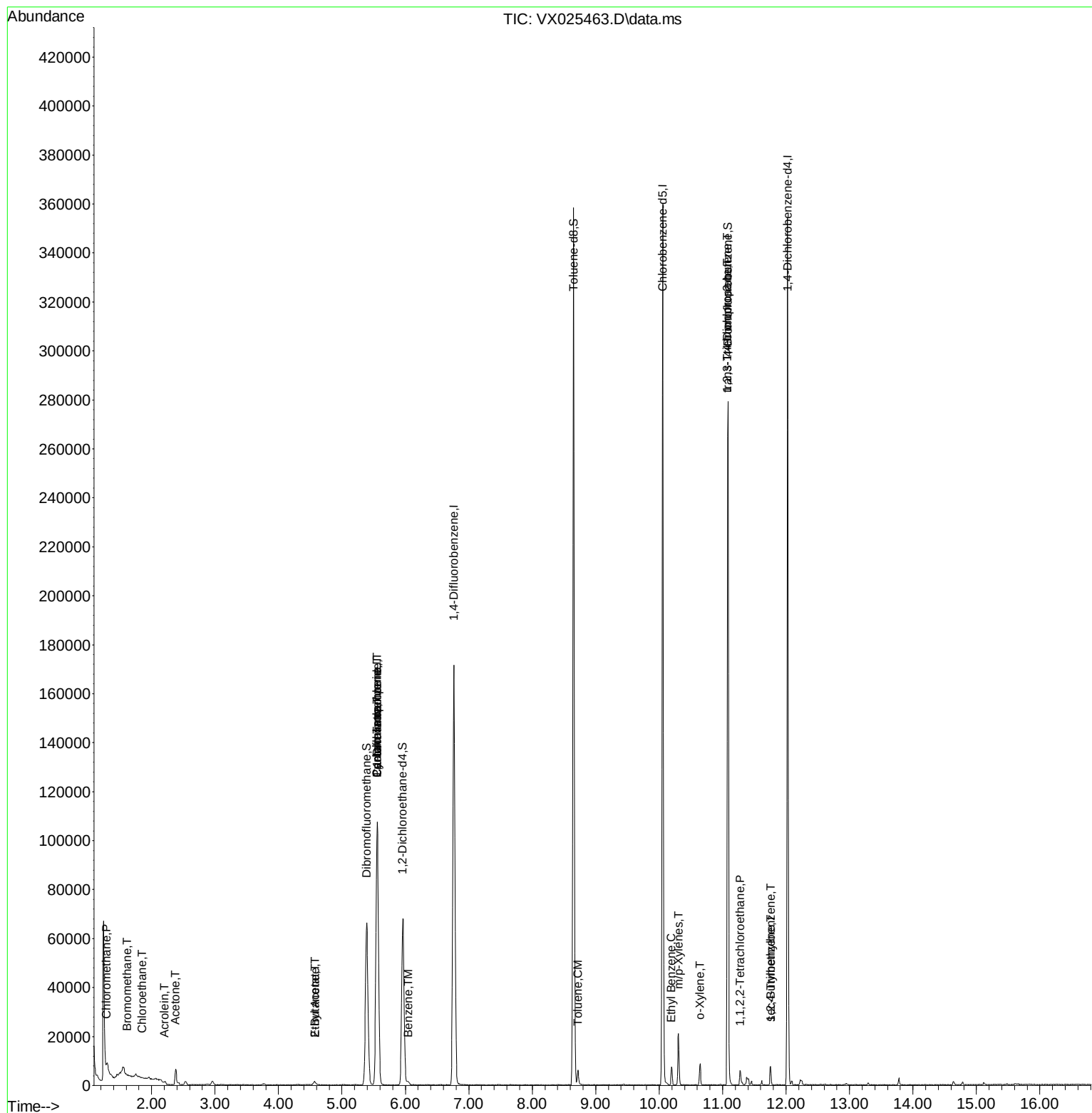
Internal Standards						
1) Pentafluorobenzene	5.556	168	108676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	186233	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	166775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74725	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	64099	55.96	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.92%			
35) Dibromofluoromethane	5.391	113	57070	49.94	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.88%			
50) Toluene-d8	8.653	98	215296	50.11	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.22%			
62) 4-Bromofluorobenzene	11.085	95	74376	45.76	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.52%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	526	0.45 ug/l	#	42
5) Bromomethane	1.617	94	138	0.25 ug/l	#	3
6) Chloroethane	1.855	64	234	0.26 ug/l	#	43
11) Tert butyl alcohol	2.959	59	2150	Below Cal	#	86
13) Acrolein	2.203	56	21	0.40 ug/l	#	1
16) Acetone	2.379	43	6831	10.73 ug/l		96
25) 2-Butanone	4.574	43	2769	3.01 ug/l		92
31) Cyclohexane	5.556	56	2104	1.19 ug/l	#	1
36) 1,1-Dichloropropene	5.556	75	7197	4.43 ug/l	#	49
37) Ethyl Acetate	4.574	43	2769	1.50 ug/l	#	68
38) Carbon Tetrachloride	5.556	117	10368	5.79 ug/l	#	16
40) Benzene	6.043	78	1751	0.36 ug/l		93
52) Toluene	8.720	92	2401	0.75 ug/l		96
67) Ethyl Benzene	10.195	91	4533	0.77 ug/l		97
68) m/p-Xylenes	10.305	106	5322	2.22 ug/l		96
69) o-Xylene	10.646	106	2146	0.91 ug/l		90
75) 1,1,2,2-Tetrachloroethane	11.274	83	352	0.20 ug/l	#	25
76) 1,2,3-Trichloropropane	11.079	75	36574	23.90 ug/l	#	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36574	60.21 ug/l	#	9
84) 1,2,4-Trimethylbenzene	11.756	105	3646	0.82 ug/l		97
85) sec-Butylbenzene	11.756	105	3646	0.66 ug/l	#	56

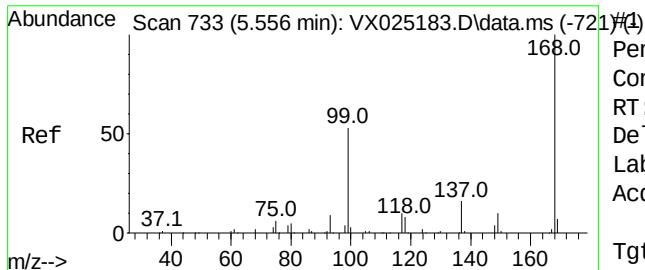
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX025463.D

Acq: 03 Dec 2021 05:37

Instrument :

MSVOA_D

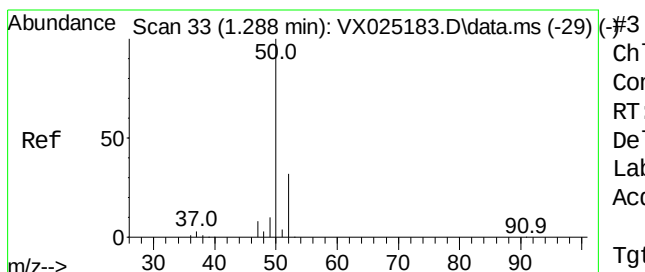
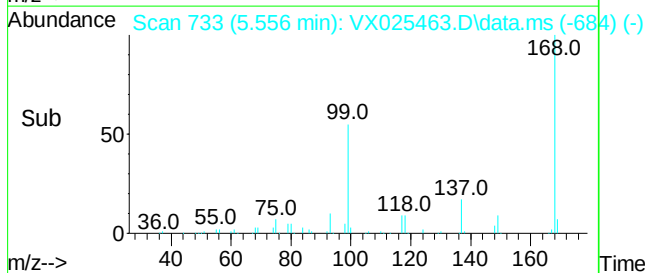
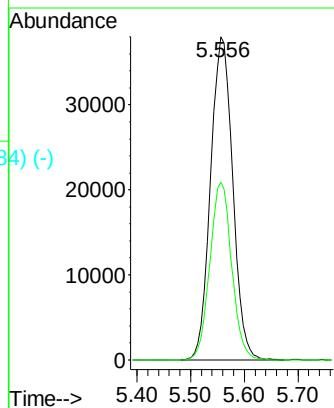
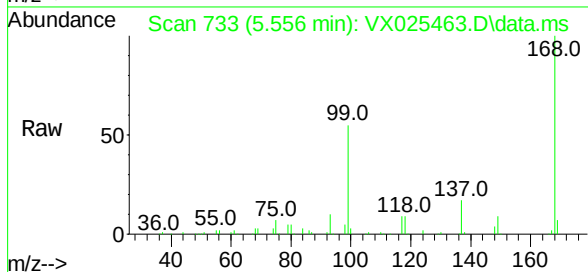
ClientSampleId :

Tgt Ion:168 Resp: 108676

Ion Ratio Lower Upper

168 100

99 55.0 46.4 69.6



Chloromethane

Concen: 0.45 ug/l

RT: 1.294 min Scan# 34

Delta R.T. 0.006 min

Lab File: VX025463.D

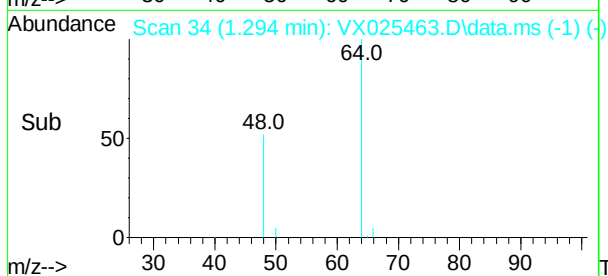
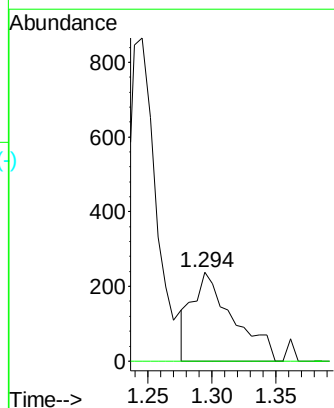
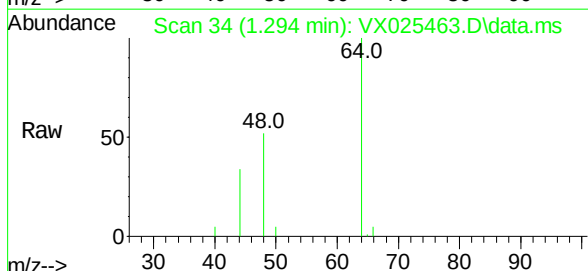
Acq: 03 Dec 2021 05:37

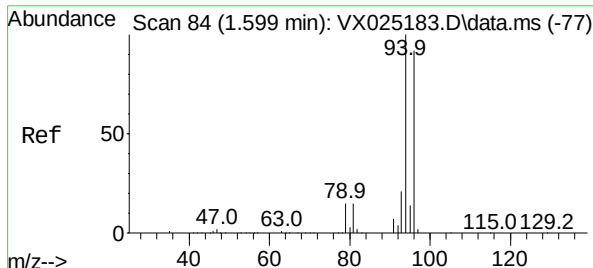
Tgt Ion: 50 Resp: 526

Ion Ratio Lower Upper

50 100

52 0.0 25.9 38.9#





Bromomethane

Concen: 0.25 ug/l

RT: 1.617 min Scan# 84

Delta R.T. 0.018 min

Lab File: VX025463.D

Acq: 03 Dec 2021 05:37

Instrument :

MSVOA_D

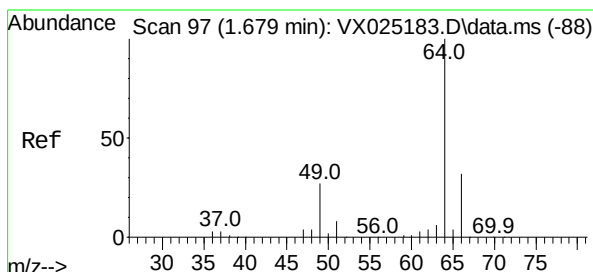
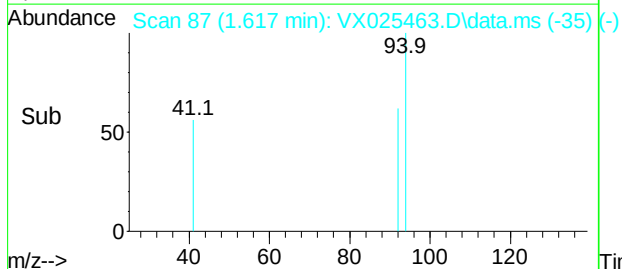
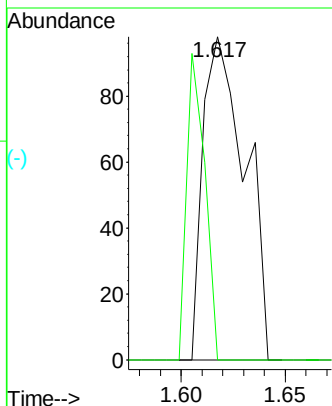
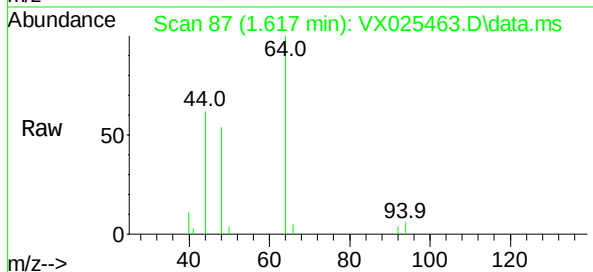
ClientSampleId :

Tgt Ion: 94 Resp: 138

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#



Chloroethane

Concen: 0.26 ug/l

RT: 1.855 min Scan# 126

Delta R.T. 0.176 min

Lab File: VX025463.D

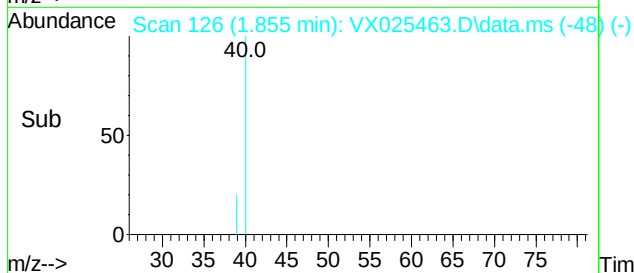
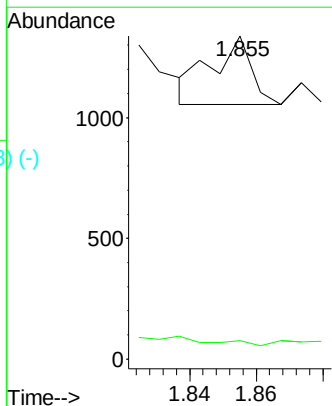
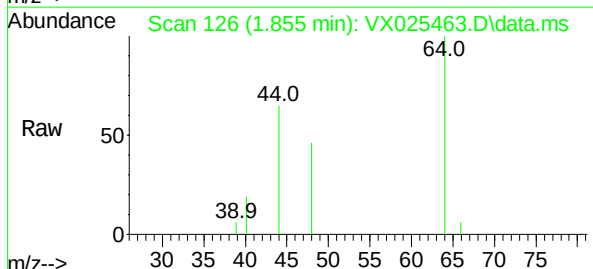
Acq: 03 Dec 2021 05:37

Tgt Ion: 64 Resp: 234

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



Abundance Scan 308 (2.965 min): VX025183.D\data.ms (-297) #1

Tert butyl alcohol

Concen: Below Cal

RT: 2.959 min Scan# 1

Delta R.T. -0.006 min

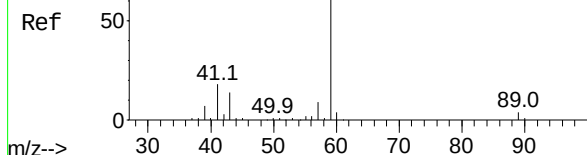
Lab File: VX025463.D

Acq: 03 Dec 2021 05:37

Instrument :

MSVOA_D

ClientSampleId :

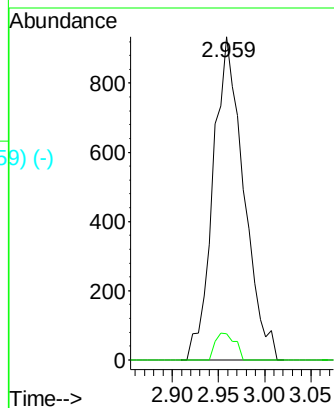
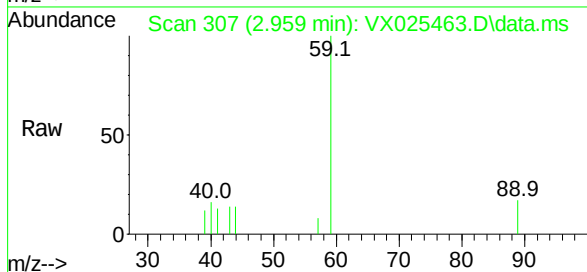


Tgt Ion: 59 Resp: 2150

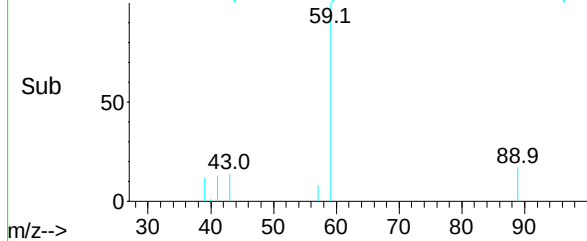
Ion Ratio Lower Upper

59 100

57 5.3 8.5 12.7#



Abundance Scan 307 (2.959 min): VX025463.D\data.ms (-259) (-)



Abundance Scan 188 (2.233 min): VX025183.D\data.ms (-181) #13

Acrolein

Concen: 0.40 ug/l

RT: 2.203 min Scan# 183

Delta R.T. -0.030 min

Lab File: VX025463.D

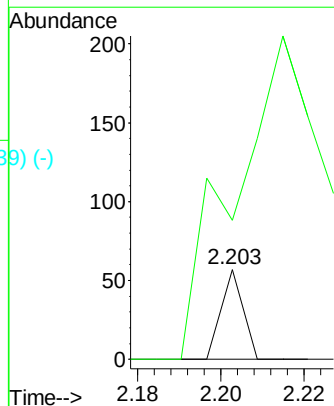
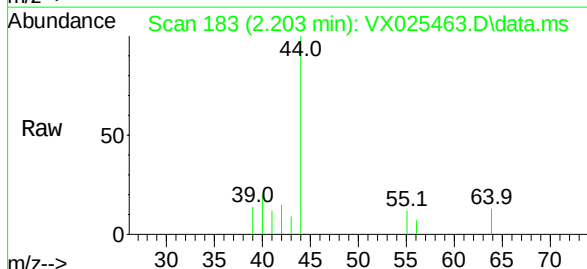
Acq: 03 Dec 2021 05:37

Tgt Ion: 56 Resp: 21

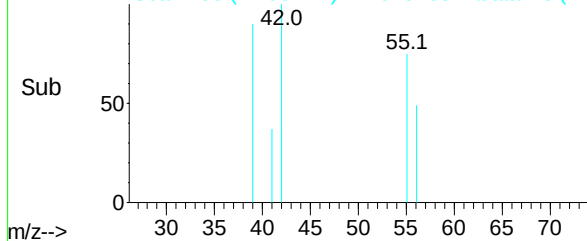
Ion Ratio Lower Upper

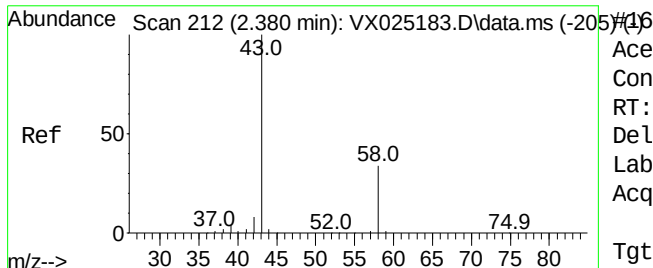
56 100

55 1404.8 58.6 87.8#



Abundance Scan 183 (2.203 min): VX025463.D\data.ms (-139) (-)





Acetone

Concen: 10.73 ug/l

RT: 2.379 min Scan# 16

Delta R.T. -0.001 min

Lab File: VX025463.D

Acq: 03 Dec 2021 05:37

Instrument :

MSVOA_D

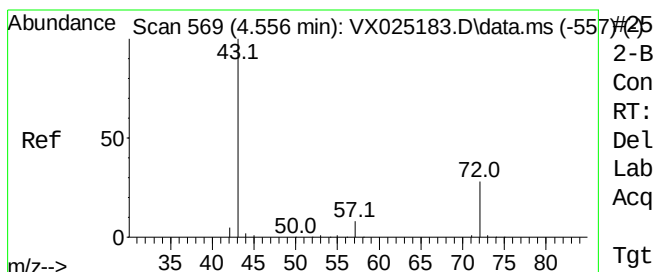
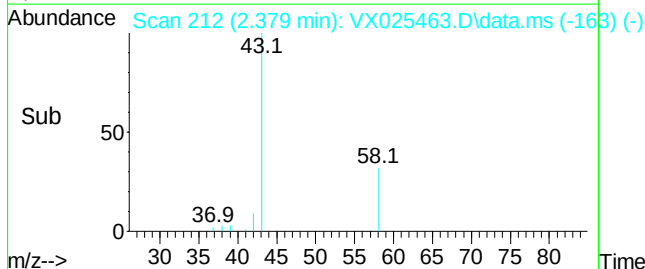
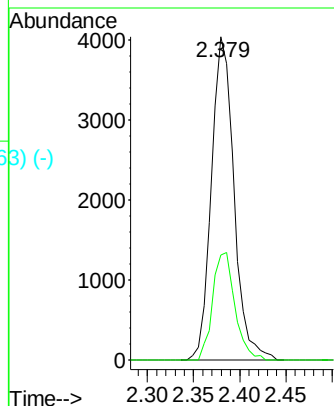
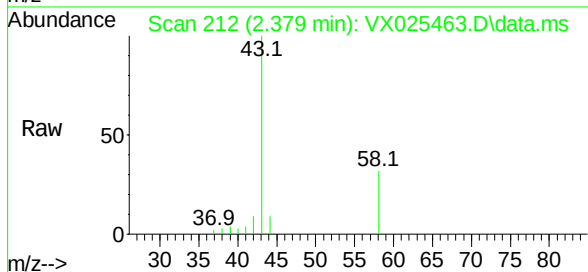
ClientSampleId :

Tgt Ion: 43 Resp: 6831

Ion Ratio Lower Upper

43 100

58 32.4 24.0 36.0



2-Butanone

Concen: 3.01 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.018 min

Lab File: VX025463.D

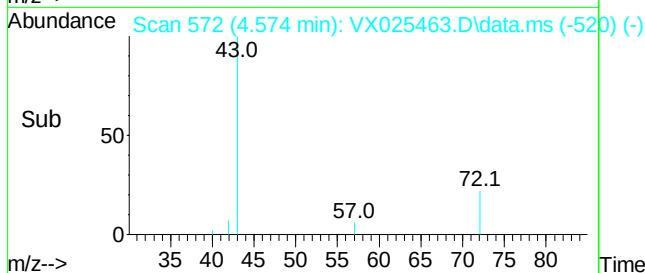
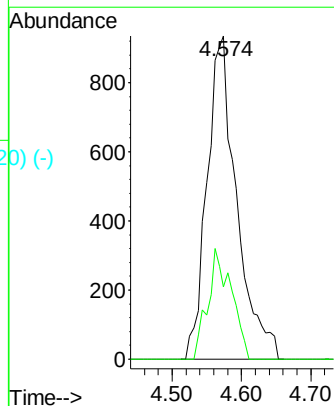
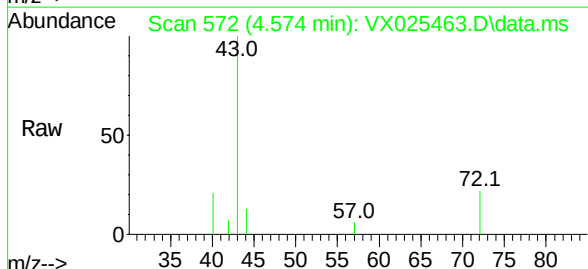
Acq: 03 Dec 2021 05:37

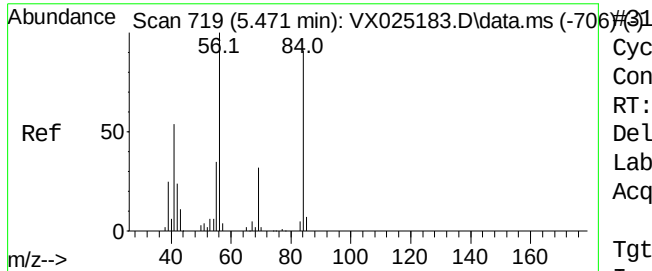
Tgt Ion: 43 Resp: 2769

Ion Ratio Lower Upper

43 100

72 22.4 21.2 31.8





Cyclohexane

Concen: 1.19 ug/l

RT: 5.556 min Scan#

Delta R.T. 0.085 min

Lab File: VX025463.D

Acq: 03 Dec 2021 05:37

Instrument :

MSVOA_D

ClientSampleId :

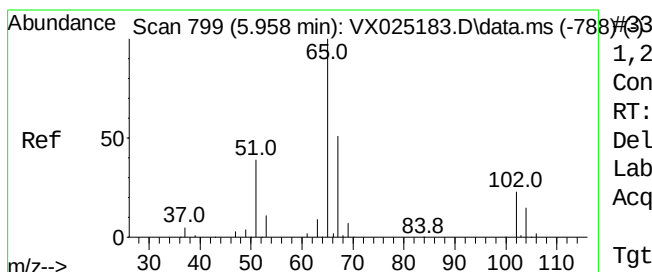
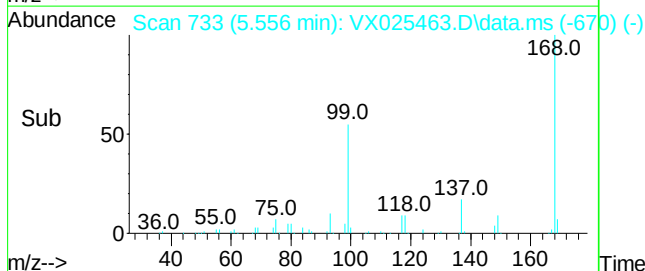
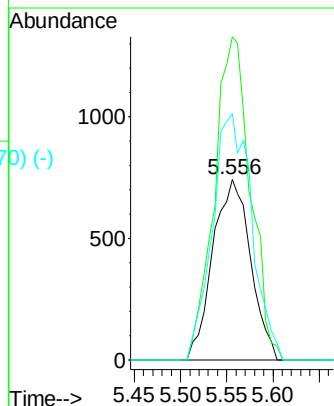
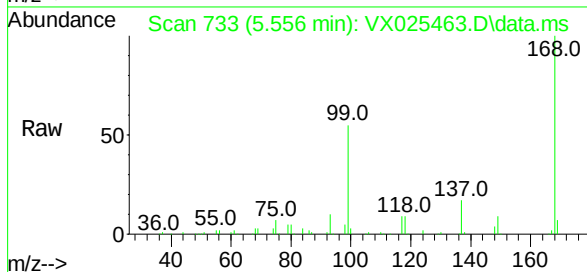
Tgt Ion: 56 Resp: 2104

Ion Ratio Lower Upper

56 100

69 178.9 24.2 36.2#

84 136.3 71.5 107.3#



1,2-Dichloroethane-d4

Concen: 55.96 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX025463.D

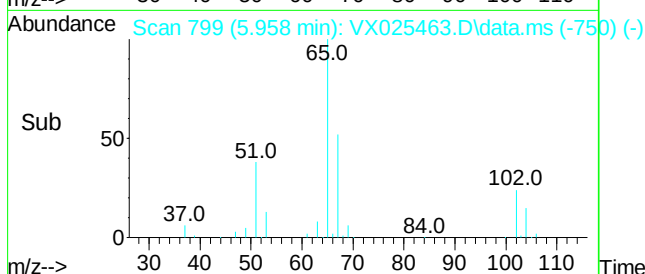
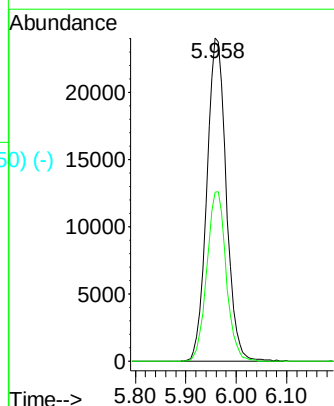
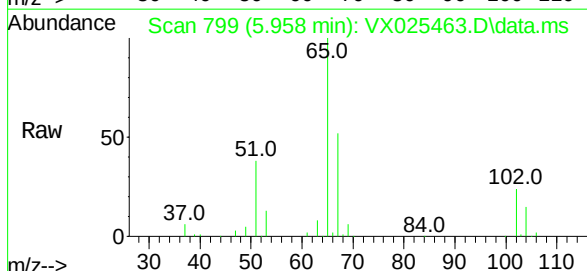
Acq: 03 Dec 2021 05:37

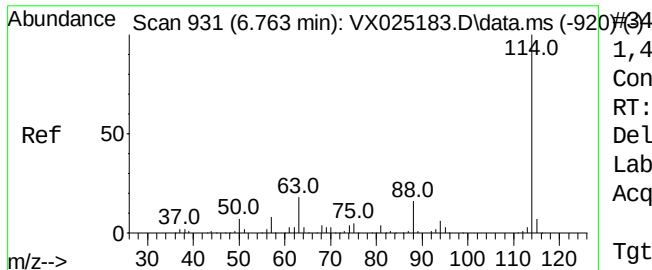
Tgt Ion: 65 Resp: 64099

Ion Ratio Lower Upper

65 100

67 52.1 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: VX025463.D

Acq: 03 Dec 2021 05:37

Instrument :

MSVOA_D

ClientSampleId :

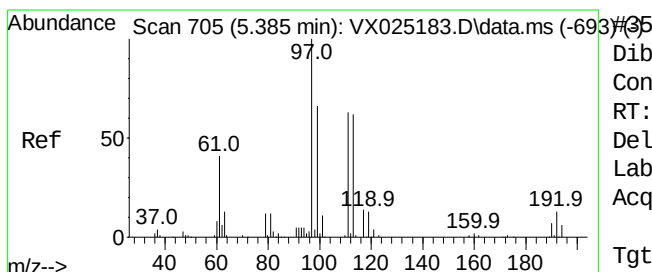
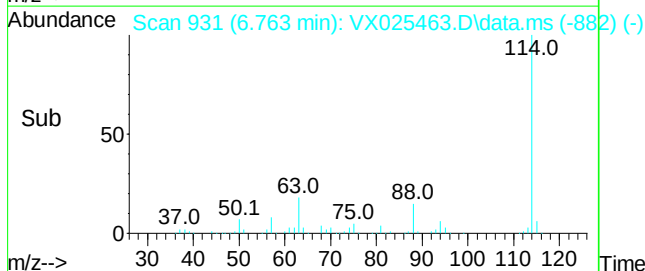
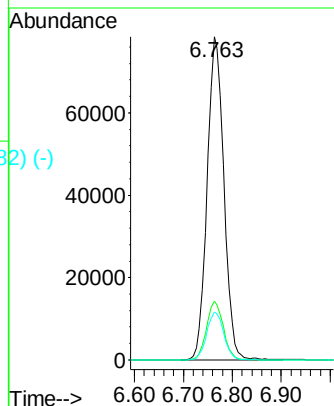
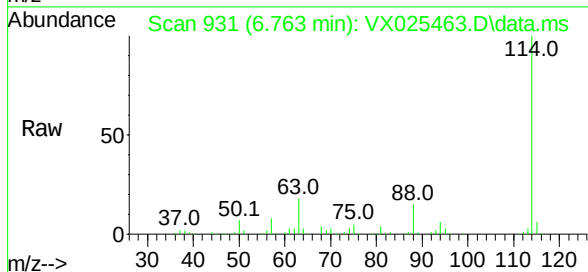
Tgt Ion:114 Resp: 186233

Ion Ratio Lower Upper

114 100

63 18.3 0.0 41.0

88 14.9 0.0 34.8



Dibromofluoromethane

Concen: 49.94 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX025463.D

Acq: 03 Dec 2021 05:37

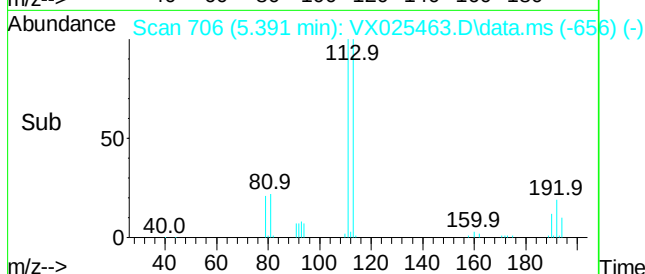
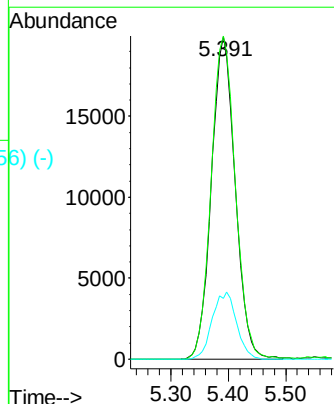
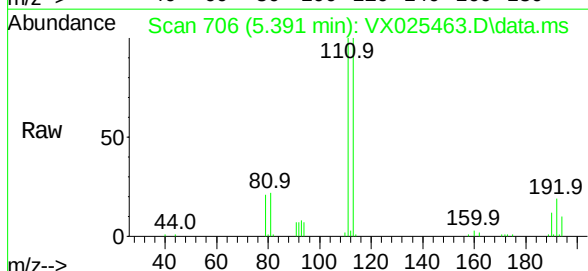
Tgt Ion:113 Resp: 57070

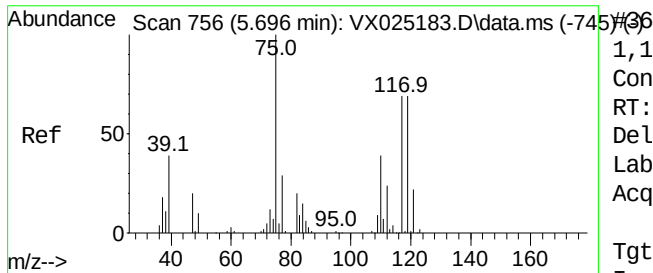
Ion Ratio Lower Upper

113 100

111 102.5 82.1 123.1

192 21.2 15.6 23.4

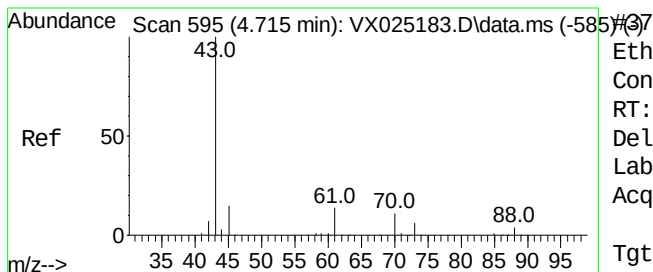
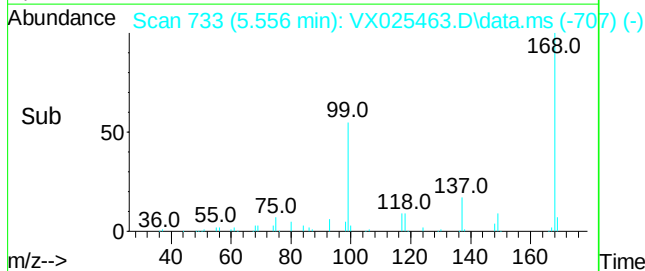
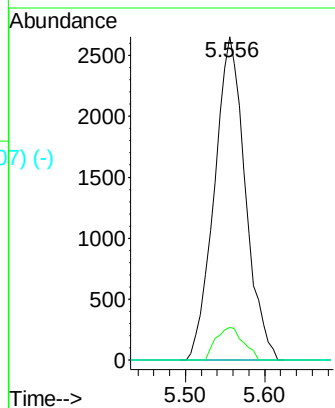
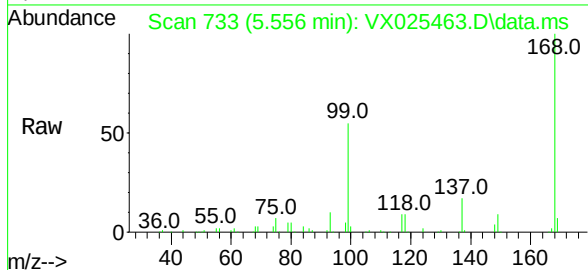




1,1-Dichloropropene
 Concen: 4.43 ug/l
 RT: 5.556 min Scan# 75
 Delta R.T. -0.140 min
 Lab File: VX025463.D
 Acq: 03 Dec 2021 05:37

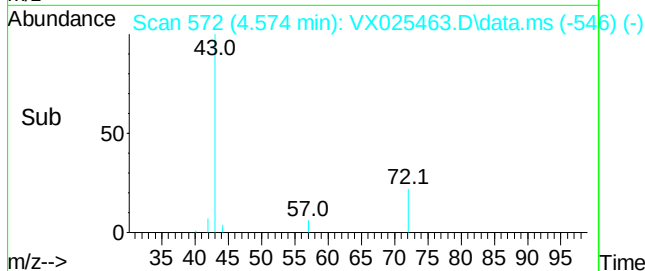
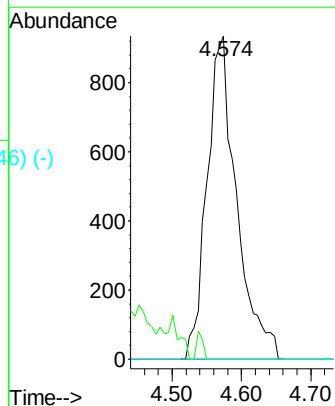
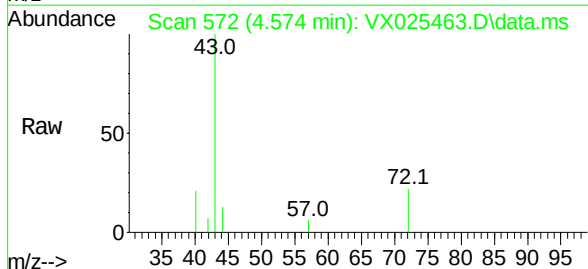
Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion:	75	Resp:	7197
Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.1	54.3#
77	0.0	24.4	36.6#



Ethyl Acetate
 Concen: 1.50 ug/l
 RT: 4.574 min Scan# 572
 Delta R.T. -0.141 min
 Lab File: VX025463.D
 Acq: 03 Dec 2021 05:37

Tgt Ion:	43	Resp:	2769
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.4	17.0#
70	0.0	8.6	12.8#



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

Carbon Tetrachloride

Concen: 5.79 ug/l

RT: 5.556 min Scan#

Delta R.T. -0.122 min

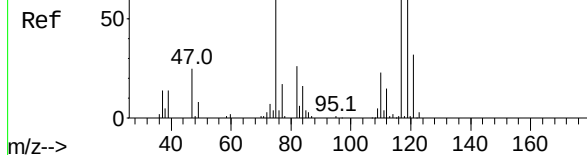
Lab File: VX025463.D

Acq: 03 Dec 2021 05:37

Instrument :

MSVOA_D

ClientSampleId :



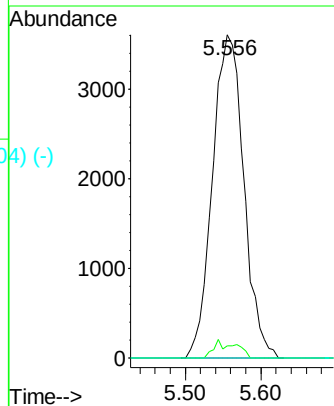
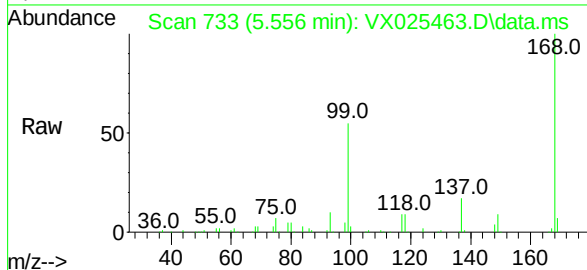
Tgt Ion: 117 Resp: 10368

Ion Ratio Lower Upper

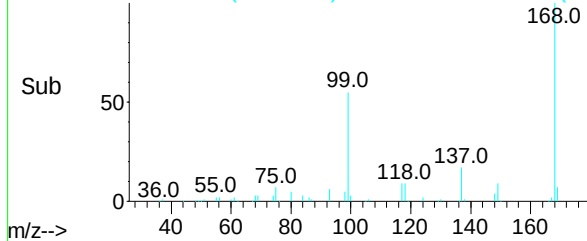
117 100

119 3.8 75.6 113.4#

121 0.0 23.7 35.5#



Abundance Scan 733 (5.556 min): VX025463.D\data.ms (-704) (-)



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

Benzene

Concen: 0.36 ug/l

RT: 6.043 min Scan# 813

Delta R.T. -0.001 min

Lab File: VX025463.D

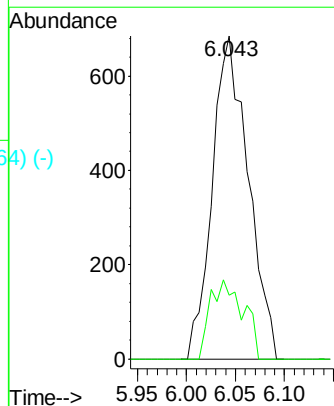
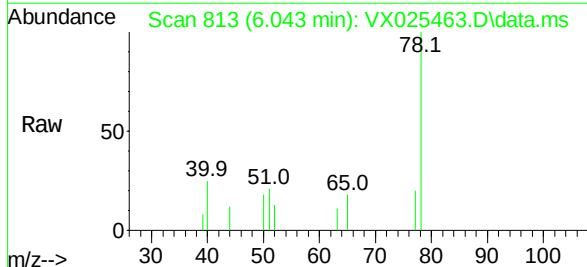
Acq: 03 Dec 2021 05:37

Tgt Ion: 78 Resp: 1751

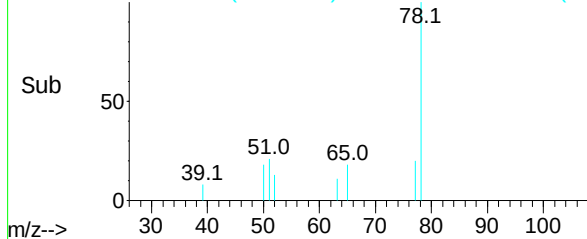
Ion Ratio Lower Upper

78 100

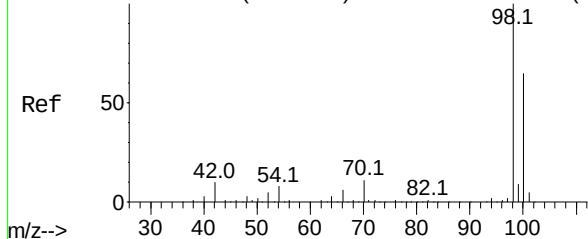
77 19.7 18.3 27.5



Abundance Scan 813 (6.043 min): VX025463.D\data.ms (-764) (-)



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



Toluene-d8

Concen: 50.11 ug/l

RT: 8.653 min Scan#

Delta R.T. -0.000 min

Lab File: VX025463.D

Acq: 03 Dec 2021 05:37

Instrument :

MSVOA_D

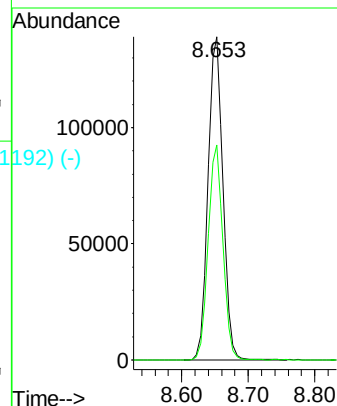
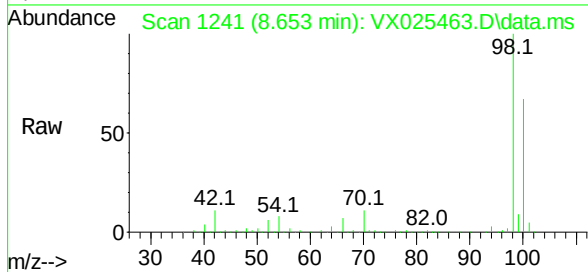
ClientSampleId :

Tgt Ion: 98 Resp: 215296

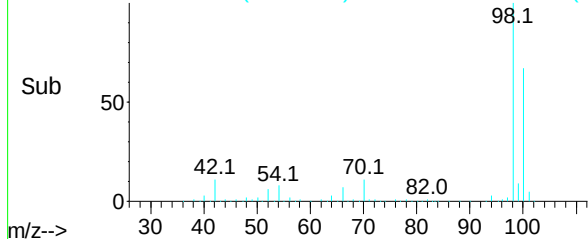
Ion Ratio Lower Upper

98 100

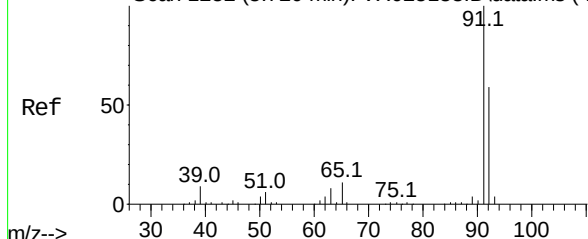
100 65.9 51.4 77.0



Abundance Scan 1241 (8.653 min): VX025463.D\data.ms (-1192-)



Abundance Scan 1252 (8.720 min): VX025183.D\data.ms (-12452-)



Toluene

Concen: 0.75 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX025463.D

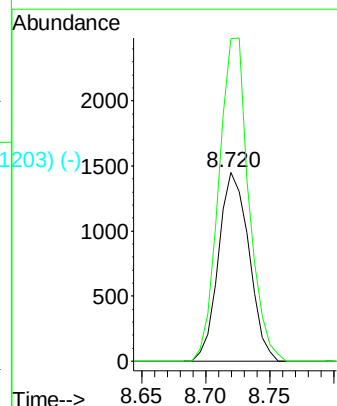
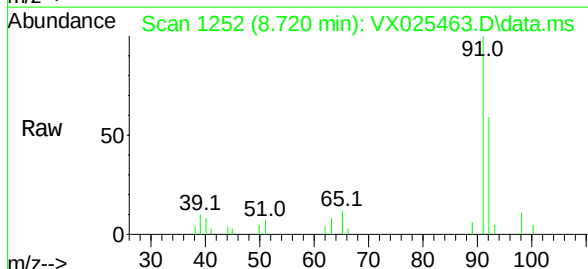
Acq: 03 Dec 2021 05:37

Tgt Ion: 92 Resp: 2401

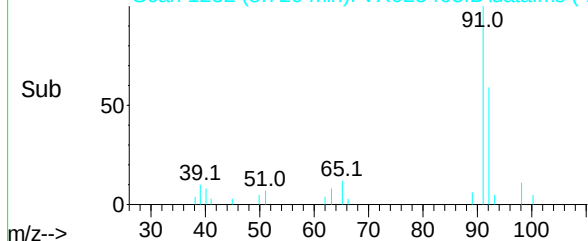
Ion Ratio Lower Upper

92 100

91 167.9 138.6 208.0



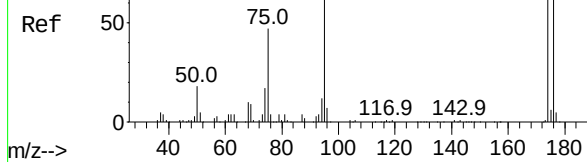
Abundance Scan 1252 (8.720 min): VX025463.D\data.ms (-1203-)



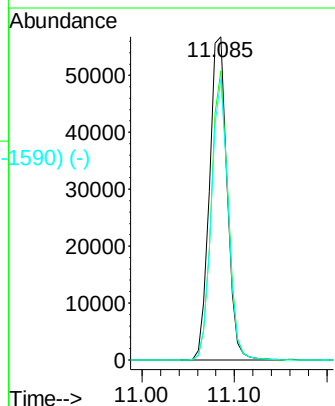
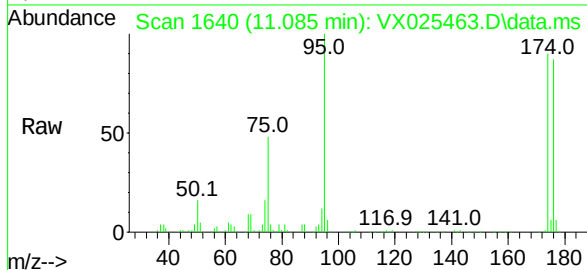
Abundance Scan 1639 (11.079 min): VX025183.D\data.ms (-1639) (-)

4-Bromofluorobenzene
Concen: 45.76 ug/l
RT: 11.085 min Scan# 1639
Delta R.T. 0.006 min
Lab File: VX025463.D
Acq: 03 Dec 2021 05:37

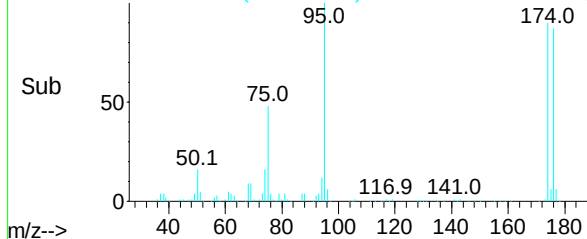
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	95	Resp:	74376
Ion	Ratio	Lower	Upper
95	100		
174	85.1	0.0	158.0
176	82.9	0.0	153.6



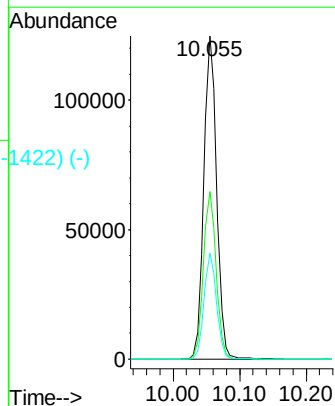
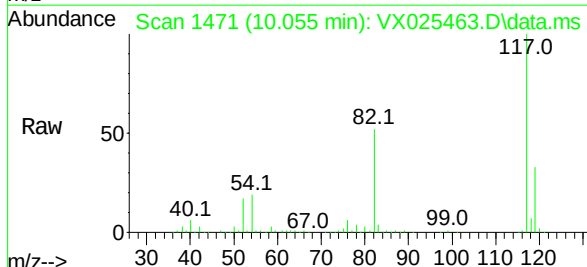
Abundance Scan 1640 (11.085 min): VX025463.D\data.ms (-1590) (-)



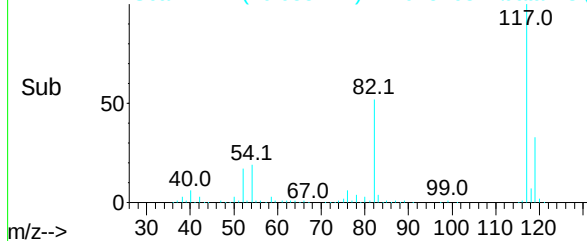
Abundance Scan 1471 (10.055 min): VX025183.D\data.ms (-1469) (-)

Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025463.D
Acq: 03 Dec 2021 05:37

Tgt Ion:	117	Resp:	166775
Ion	Ratio	Lower	Upper
117	100		
82	51.8	44.6	67.0
119	32.8	24.8	37.2



Abundance Scan 1471 (10.055 min): VX025463.D\data.ms (-1422) (-)



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

Ethyl Benzene

Concen: 0.77 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

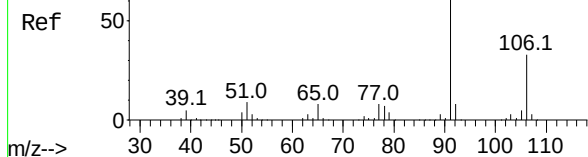
Lab File: VX025463.D

Acq: 03 Dec 2021 05:37

Instrument :

MSVOA_D

ClientSampleId :

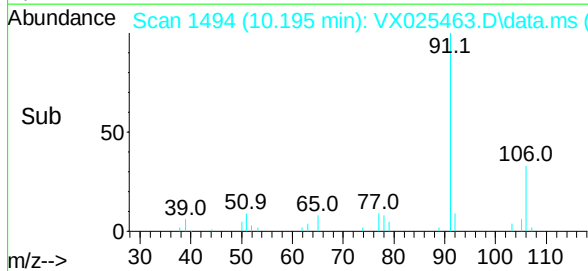
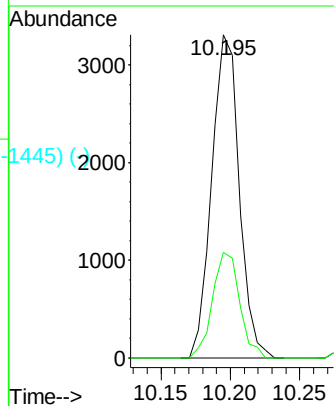
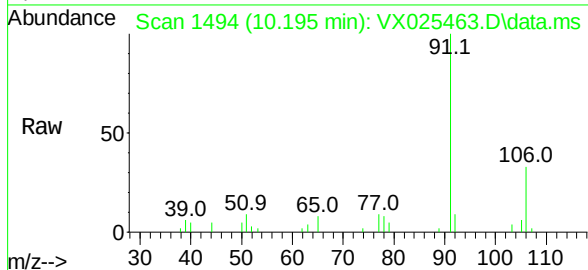


Tgt Ion: 91 Resp: 4533

Ion Ratio Lower Upper

91 100

106 32.8 24.7 37.1



Abundance Scan 1512 (10.305 min): VX025183.D\data.ms (-1568) (-)

m/p-Xylenes

Concen: 2.22 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. -0.000 min

Lab File: VX025463.D

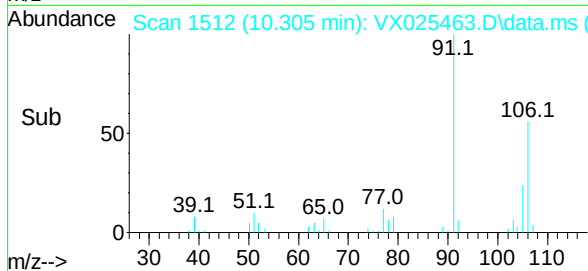
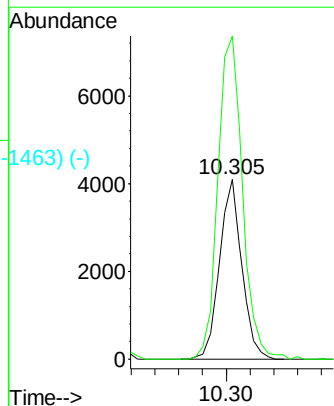
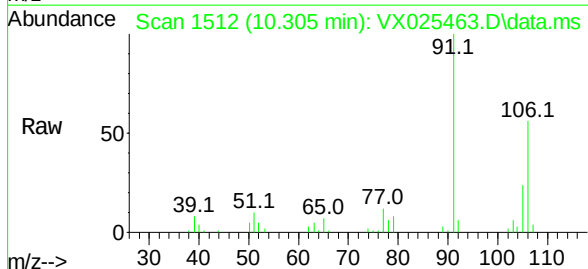
Acq: 03 Dec 2021 05:37

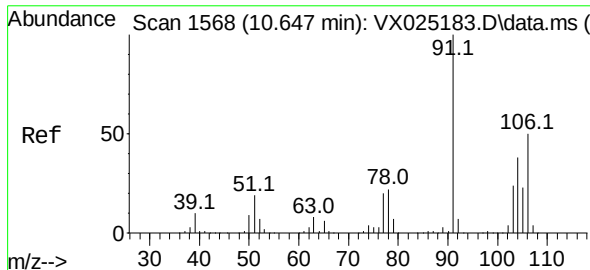
Tgt Ion:106 Resp: 5322

Ion Ratio Lower Upper

106 100

91 198.7 163.4 245.0

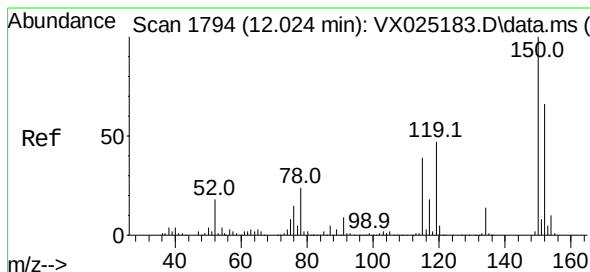
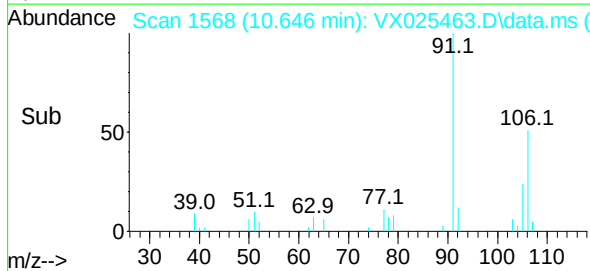
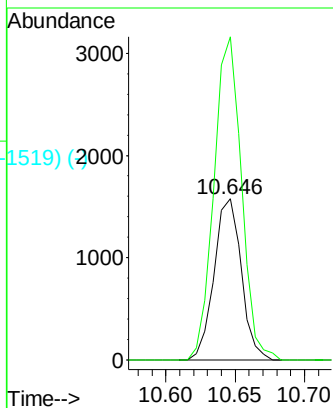
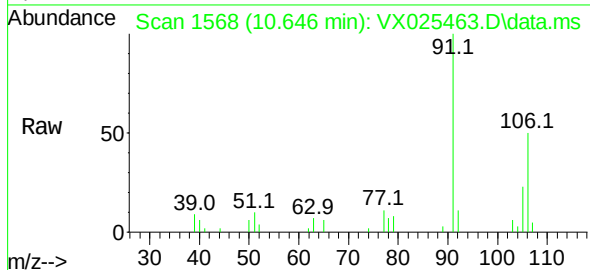




Scan 1568 (10.647 min): VX025183.D\data.ms (-1569)
 o-Xylene
 Concen: 0.91 ug/l
 RT: 10.646 min Scan# 1569
 Delta R.T. -0.001 min
 Lab File: VX025463.D
 Acq: 03 Dec 2021 05:37

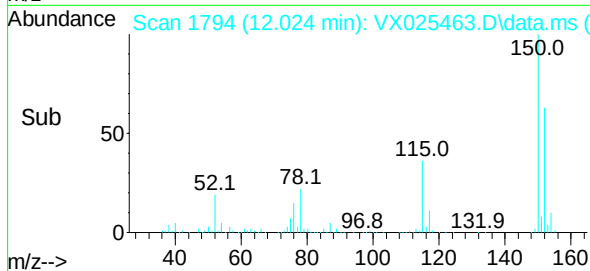
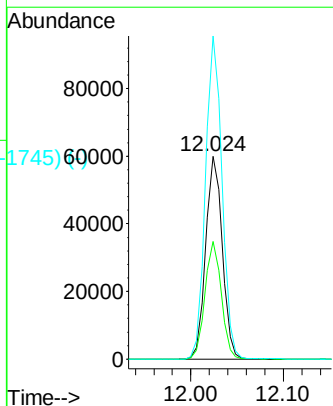
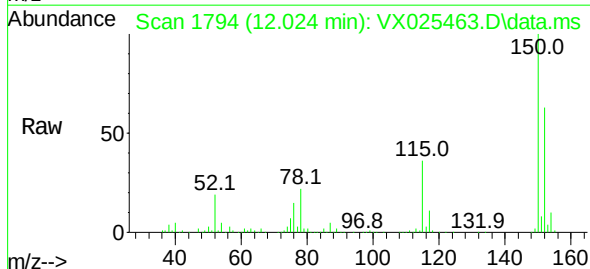
Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion:106 Resp: 2146
 Ion Ratio Lower Upper
 106 100
 91 202.4 109.5 328.4



Scan 1794 (12.024 min): VX025183.D\data.ms (-1794)
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX025463.D
 Acq: 03 Dec 2021 05:37

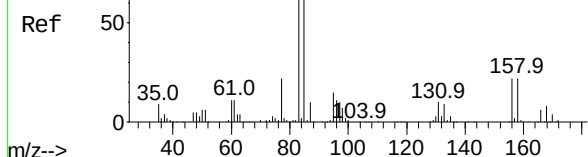
Tgt Ion:152 Resp: 74725
 Ion Ratio Lower Upper
 152 100
 115 57.1 43.3 129.8
 150 158.1 0.0 351.2



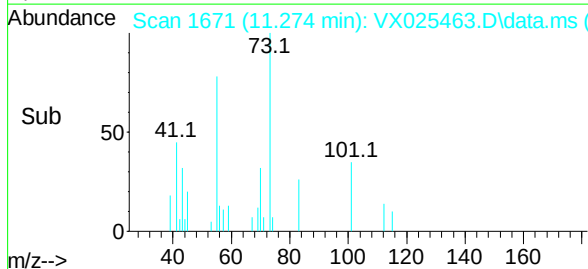
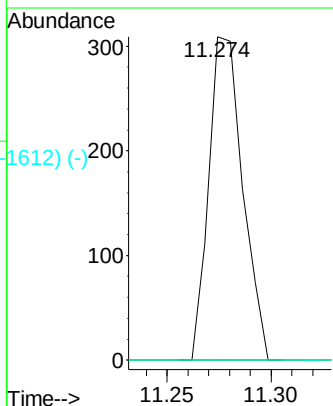
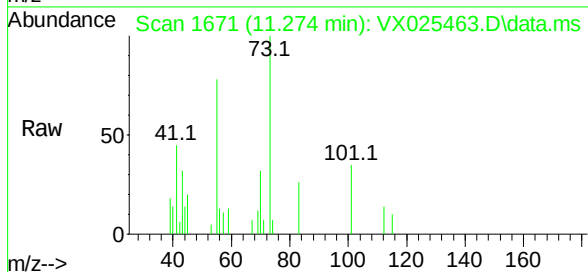
Abundance Scan 1661 (11.214 min): VX025183.D\data.ms (-1654) (-)

1,1,2,2-Tetrachloroethane
Concen: 0.20 ug/l
RT: 11.274 min Scan# 1654
Delta R.T. 0.060 min
Lab File: VX025463.D
Acq: 03 Dec 2021 05:37

Instrument :
MSVOA_D
ClientSampleId :



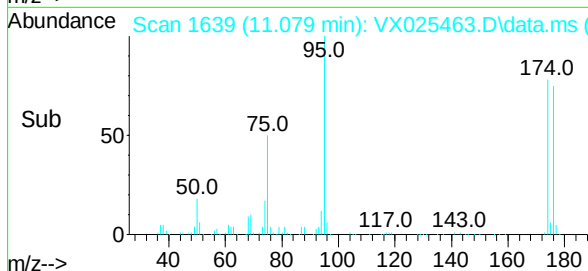
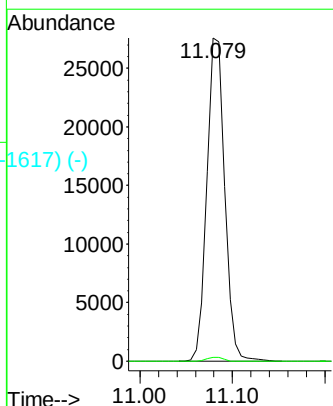
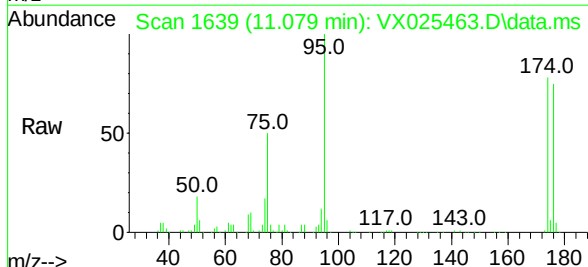
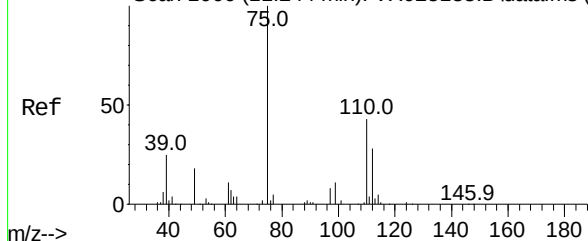
Tgt Ion:	83	Resp:	352
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.3	16.1#
85	0.0	32.3	96.9#



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

1,2,3-Trichloropropane
Concen: 23.90 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX025463.D
Acq: 03 Dec 2021 05:37

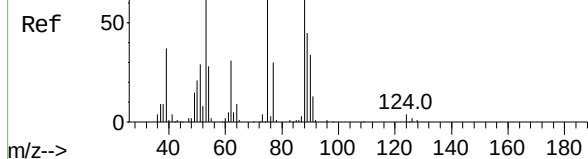
Tgt Ion:	75	Resp:	36574
Ion	Ratio	Lower	Upper
75	100		
77	1.1	20.0	59.9#



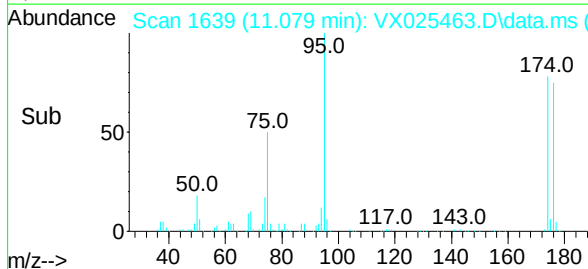
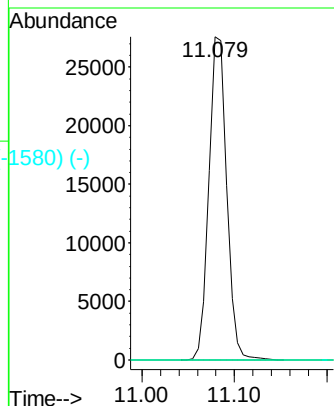
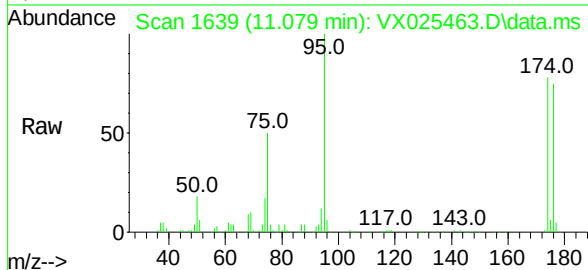
Abundance Scan 1629 (11.018 min): VX025183.D\data.ms (-1629) (-)

trans-1,4-Dichloro-2-butene
Concen: 60.21 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX025463.D
Acq: 03 Dec 2021 05:37

Instrument :
MSVOA_D
ClientSampleId :



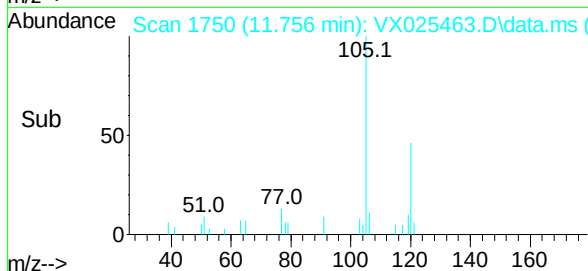
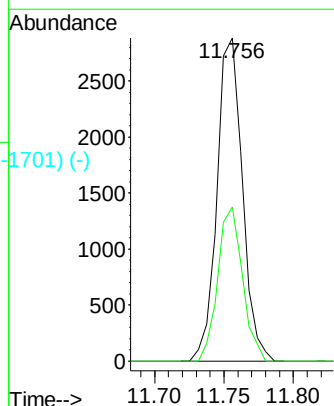
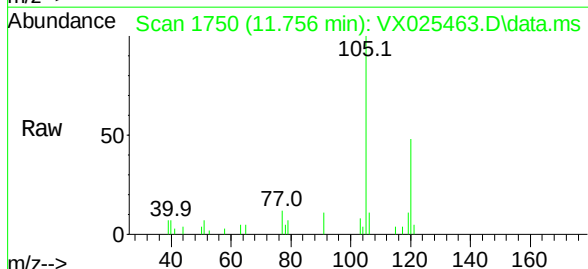
Tgt Ion:	75	Resp:	36574
Ion	Ratio	Lower	Upper
75	100		
53	0.0	81.9	122.9#
89	0.0	38.2	57.2#



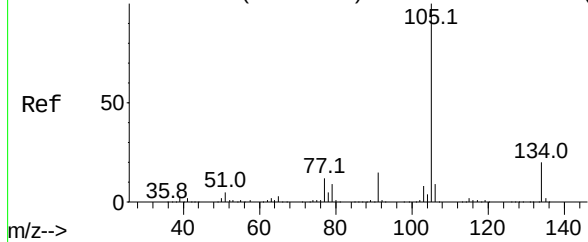
Abundance Scan 1750 (11.756 min): VX025183.D\data.ms (-1750) (-)

1,2,4-Trimethylbenzene
Concen: 0.82 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX025463.D
Acq: 03 Dec 2021 05:37

Tgt Ion:	105	Resp:	3646
Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.1	66.3



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



sec-Butylbenzene

Concen: 0.66 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. -0.134 min

Lab File: VX025463.D

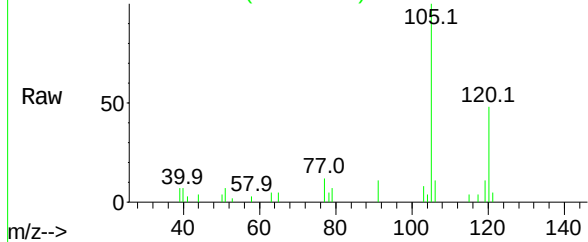
Acq: 03 Dec 2021 05:37

Instrument :

MSVOA_D

ClientSampleId :

Abundance Scan 1750 (11.756 min): VX025463.D\data.ms



Tgt Ion:105 Resp: 3646

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.4#

Abundance Scan 1750 (11.756 min): VX025463.D\data.ms (-1723) (-)

