

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120421\
 Data File : VX025521.D
 Acq On : 04 Dec 2021 14:57
 Operator : JC/MD
 Sample : M4923-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 06 01:02:26 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)

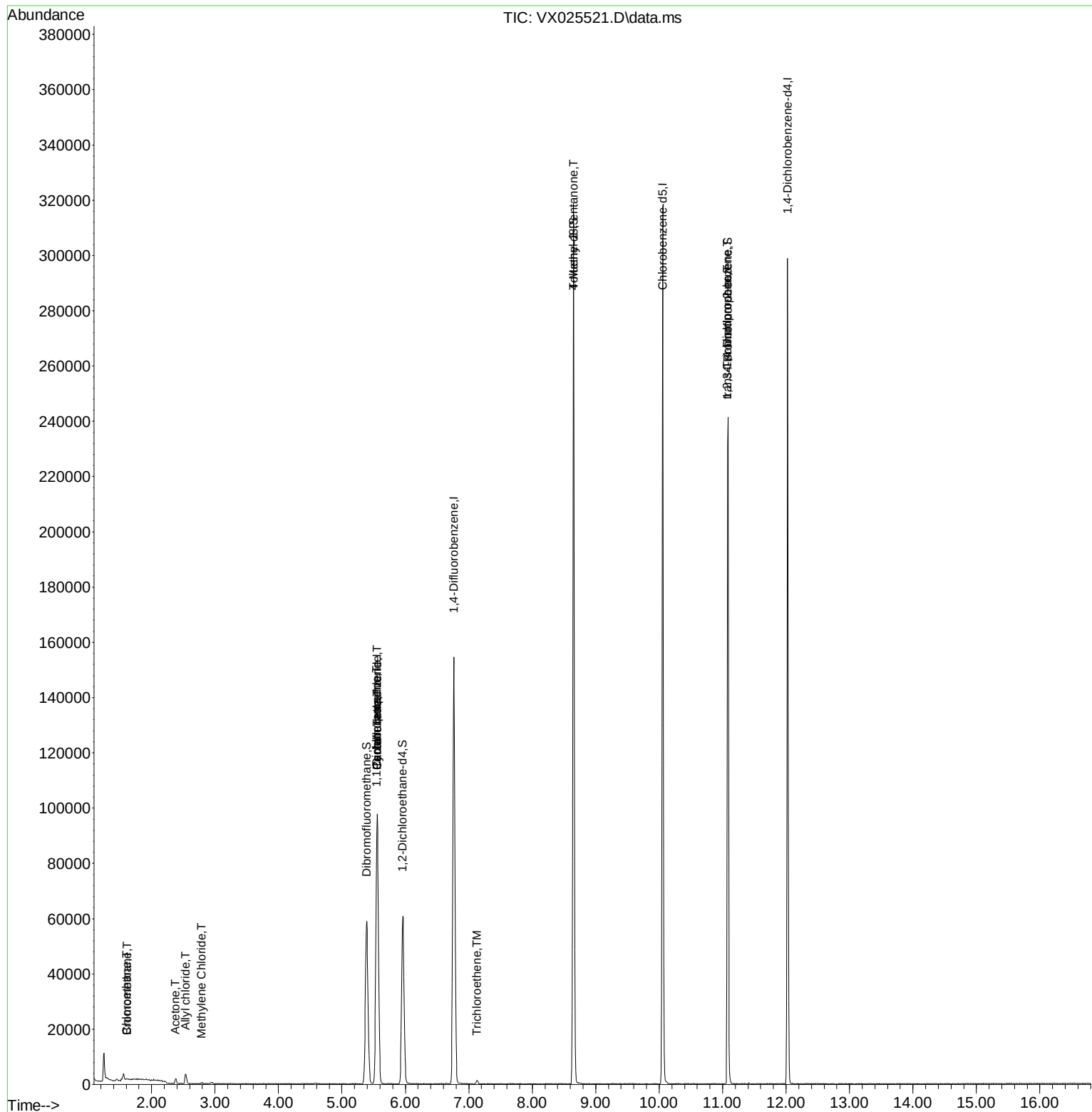
Internal Standards						
1) Pentafluorobenzene	5.556	168	98180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	164025	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	146113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	62003	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	58378	56.41	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 112.82%			
35) Dibromofluoromethane	5.391	113	51208	50.88	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.76%			
50) Toluene-d8	8.653	98	188312	49.77	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.54%			
62) 4-Bromofluorobenzene	11.085	95	65190	45.54	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.08%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	177	0.36	ug/l #	54
6) Chloroethane	1.605	64	1428	1.79	ug/l #	43
11) Tert butyl alcohol	2.941	59	424	Below Cal	#	72
14) Allyl chloride	2.532	41	334	0.20	ug/l #	54
16) Acetone	2.380	43	1959	3.41	ug/l	99
20) Methylene Chloride	2.788	84	222	0.21	ug/l #	70
31) Cyclohexane	5.556	56	1816	1.14	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	6891	4.82	ug/l #	50
38) Carbon Tetrachloride	5.556	117	9429	5.98	ug/l #	17
44) Trichloroethene	7.129	130	575	0.46	ug/l	84
51) 4-Methyl-2-Pentanone	8.653	43	763	0.45	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	31852	25.09	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	31852	63.20	ug/l #	9
95) Naphthalene	13.792	128	104	Below Cal	#	69

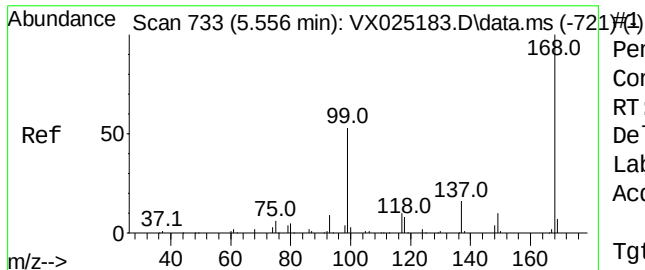
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.556 min Scan#

Delta R.T. -0.000 min

Lab File: VX025521.D

Acq: 04 Dec 2021 14:57

Instrument :

MSVOA_X

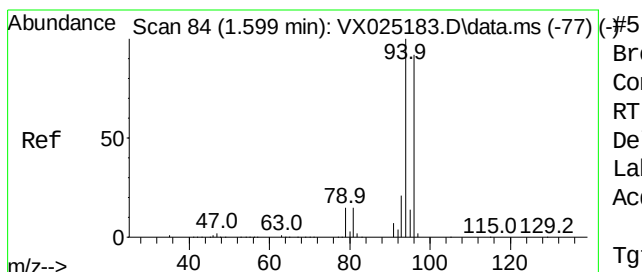
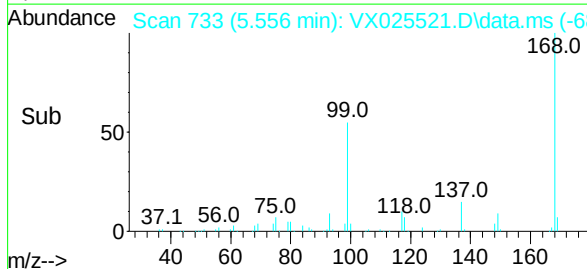
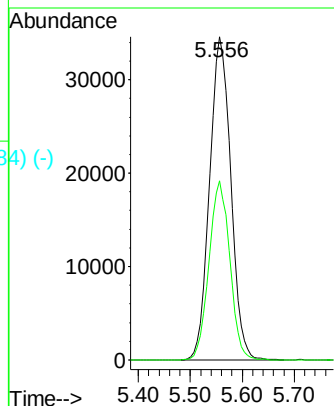
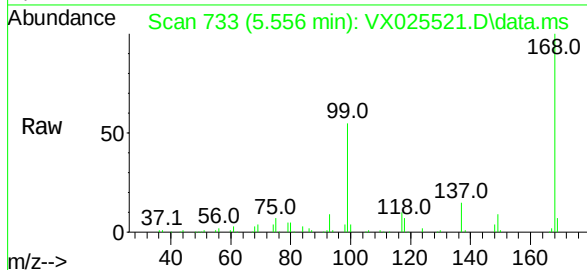
ClientSampleId :

Tgt Ion:168 Resp: 98180

Ion Ratio Lower Upper

168 100

99 55.4 46.4 69.6



Bromomethane

Concen: 0.36 ug/l

RT: 1.618 min Scan# 87

Delta R.T. 0.019 min

Lab File: VX025521.D

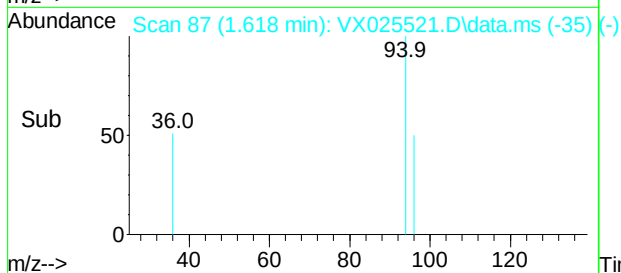
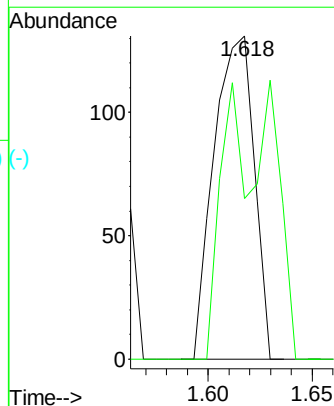
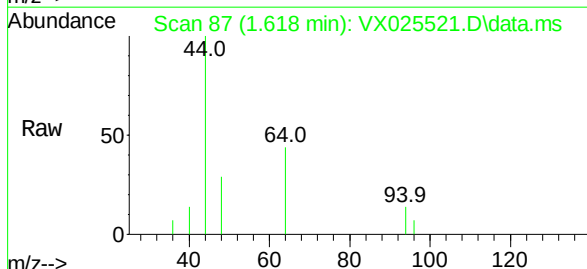
Acq: 04 Dec 2021 14:57

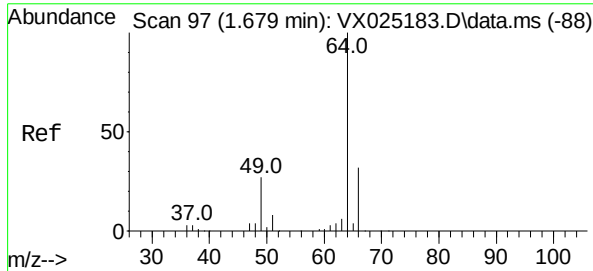
Tgt Ion: 94 Resp: 177

Ion Ratio Lower Upper

94 100

96 49.6 74.8 112.2#





Chloroethane

Concen: 1.79 ug/l

RT: 1.605 min Scan# 85

Delta R.T. -0.074 min

Lab File: VX025521.D

Acq: 04 Dec 2021 14:57

Instrument :

MSVOA_X

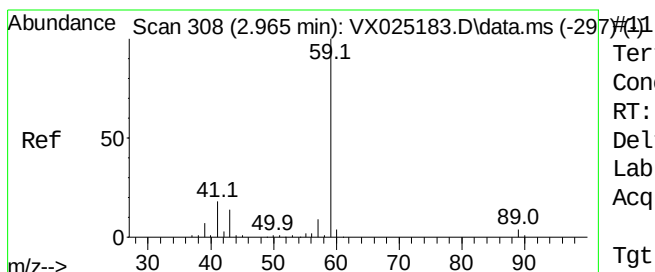
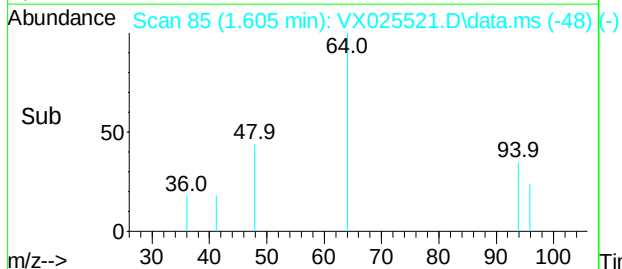
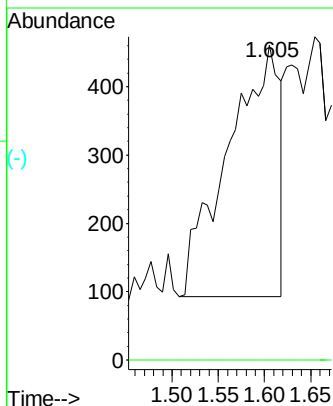
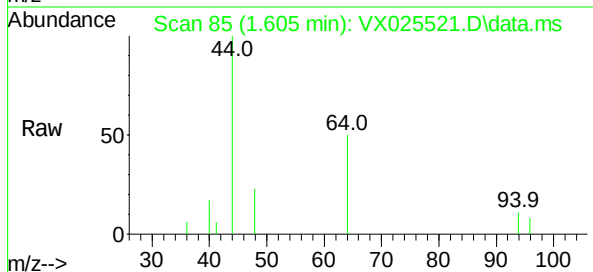
ClientSampleId :

Tgt Ion: 64 Resp: 1428

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



Tert butyl alcohol

Concen: Below Cal

RT: 2.941 min Scan# 304

Delta R.T. -0.024 min

Lab File: VX025521.D

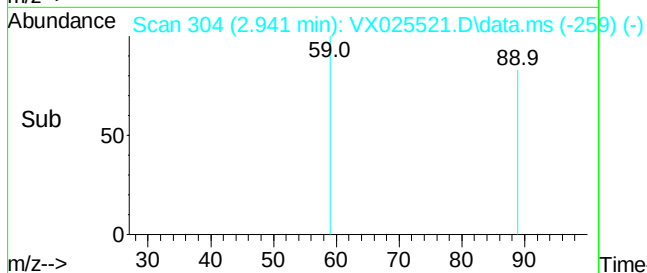
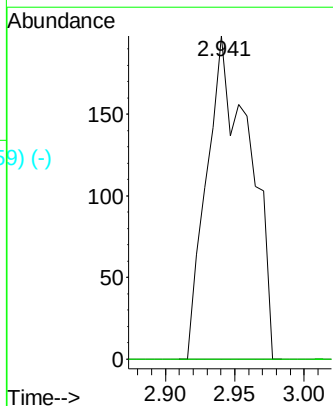
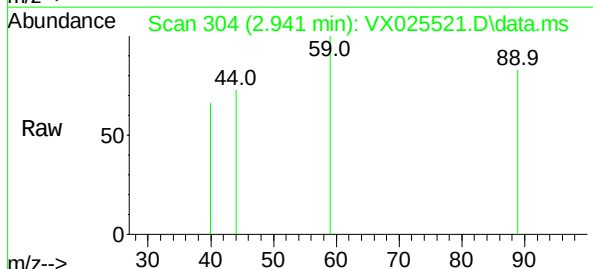
Acq: 04 Dec 2021 14:57

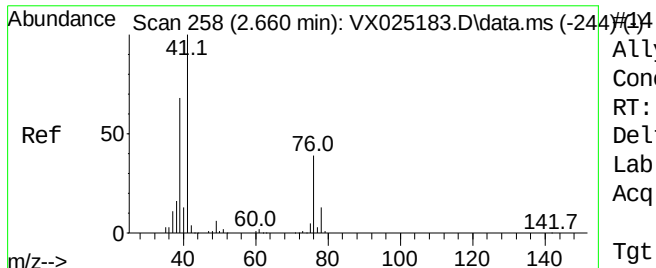
Tgt Ion: 59 Resp: 424

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





Allyl chloride

Concen: 0.20 ug/l

RT: 2.532 min Scan# 214

Delta R.T. -0.128 min

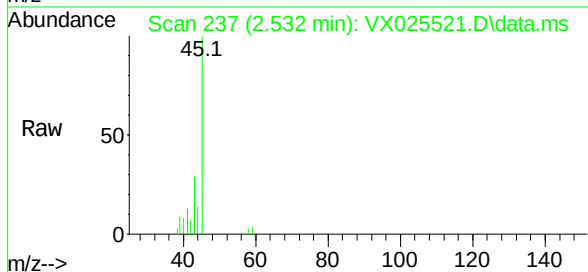
Lab File: VX025521.D

Acq: 04 Dec 2021 14:57

Instrument :

MSVOA_X

ClientSampleId :



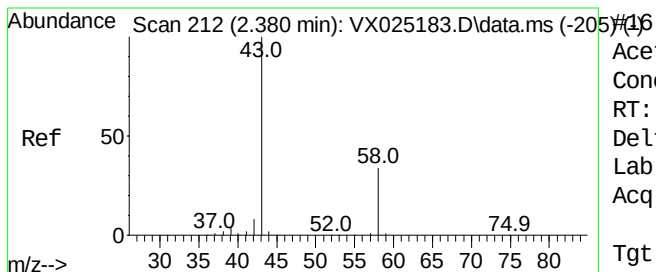
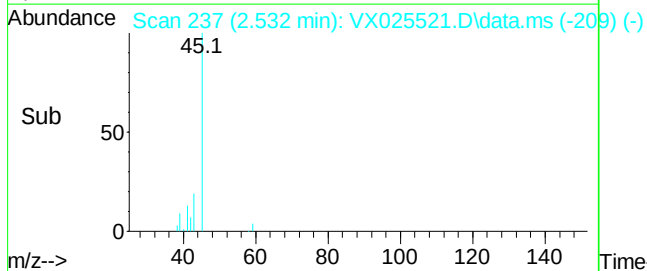
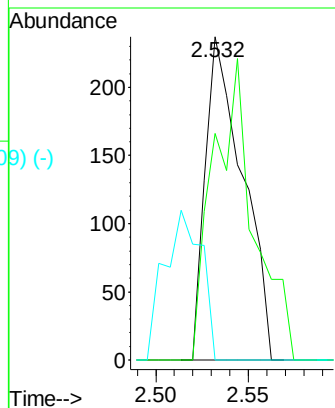
Tgt Ion: 41 Resp: 334

Ion Ratio Lower Upper

41 100

39 101.5 54.6 82.0#

76 0.0 25.3 37.9#



Acetone

Concen: 3.41 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX025521.D

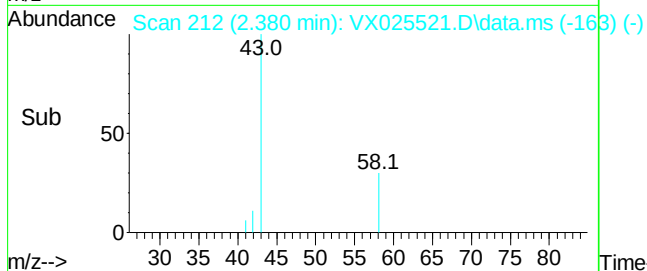
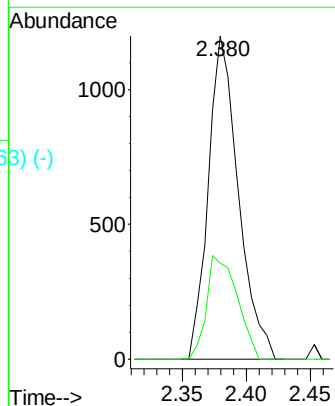
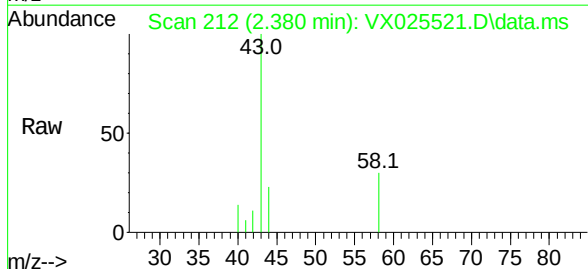
Acq: 04 Dec 2021 14:57

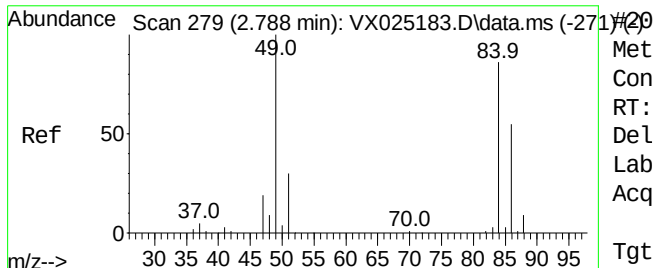
Tgt Ion: 43 Resp: 1959

Ion Ratio Lower Upper

43 100

58 29.6 24.0 36.0





Methylene Chloride

Concen: 0.21 ug/l

RT: 2.788 min Scan# 1

Delta R.T. 0.000 min MSVOA_X

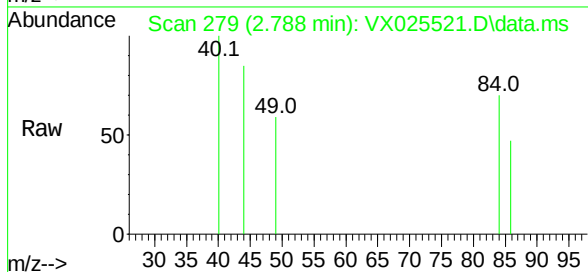
Lab File: VX025521.D

Acq: 04 Dec 2021 14:57

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 222

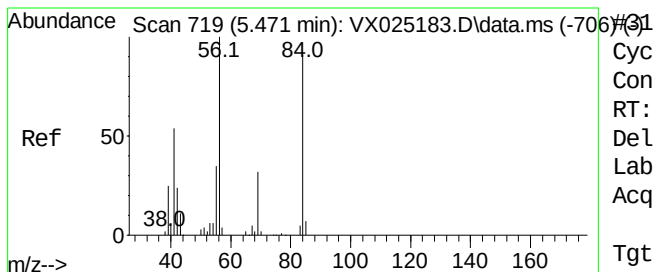
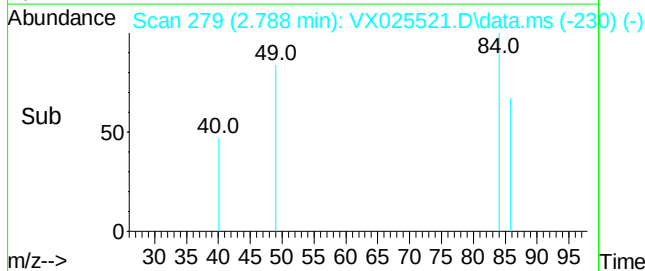
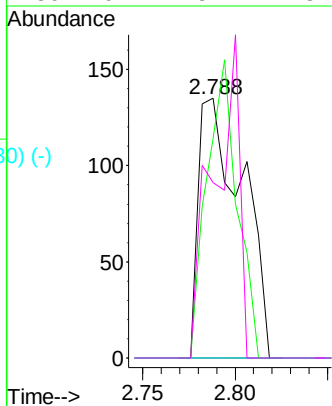
Ion Ratio Lower Upper

84 100

49 84.4 98.2 147.2#

51 0.0 30.2 45.4#

86 67.4 52.2 78.2



Cyclohexane

Concen: 1.14 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX025521.D

Acq: 04 Dec 2021 14:57

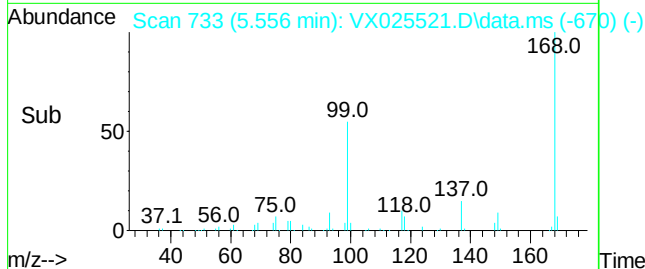
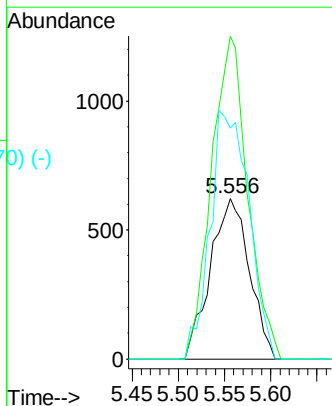
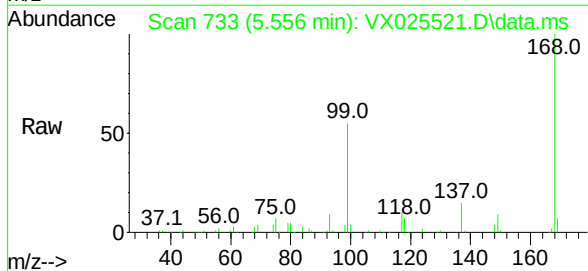
Tgt Ion: 56 Resp: 1816

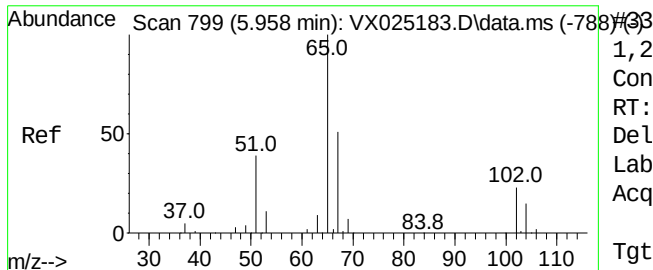
Ion Ratio Lower Upper

56 100

69 201.3 24.2 36.2#

84 143.9 71.5 107.3#

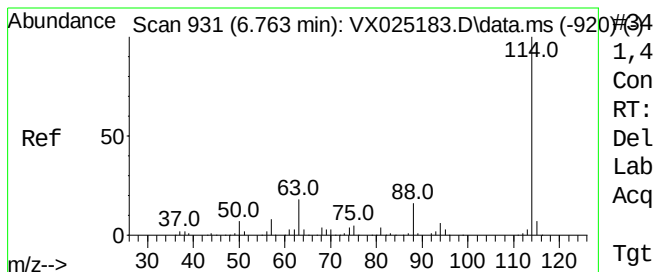
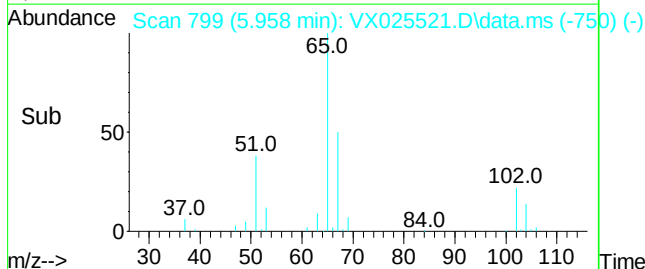
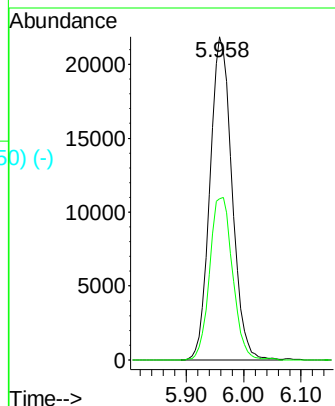
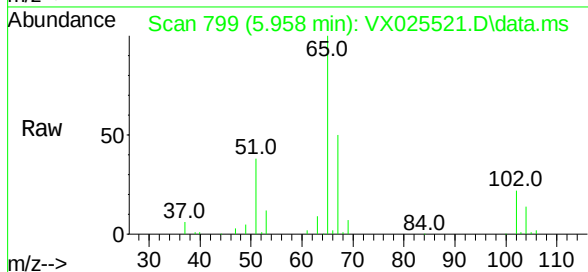




1,2-Dichloroethane-d4
 Concen: 56.41 ug/l
 RT: 5.958 min Scan#
 Delta R.T. 0.000 min
 Lab File: VX025521.D
 Acq: 04 Dec 2021 14:57

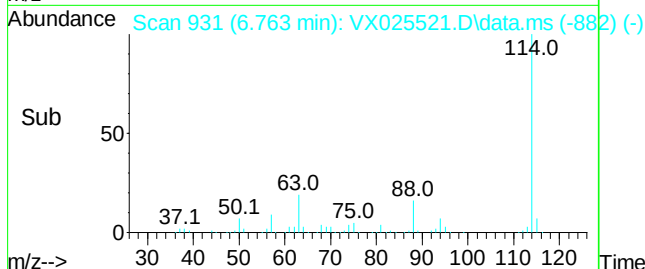
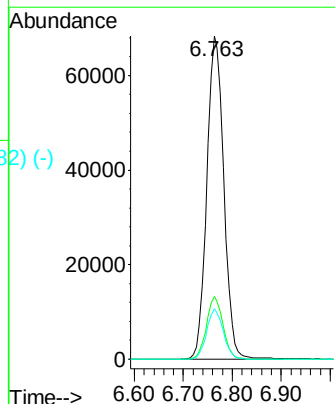
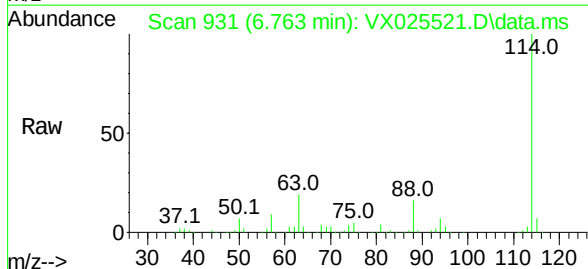
Instrument :
 MSVOA_X
 ClientSampleId :

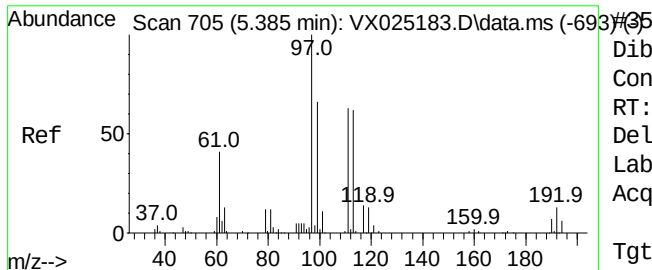
Tgt Ion: 65 Resp: 58378
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 101.0



1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX025521.D
 Acq: 04 Dec 2021 14:57

Tgt Ion: 114 Resp: 164025
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 41.0
 88 15.6 0.0 34.8

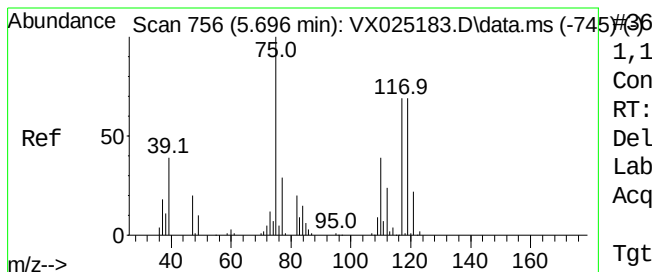
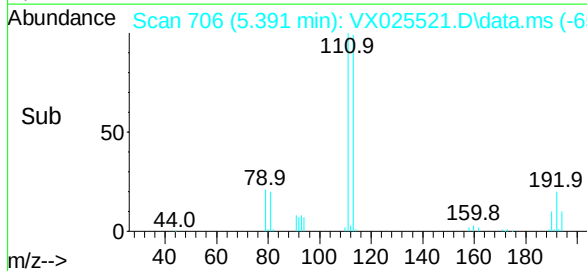
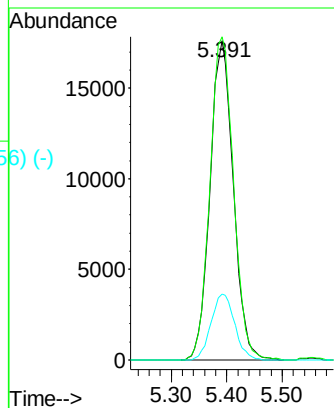
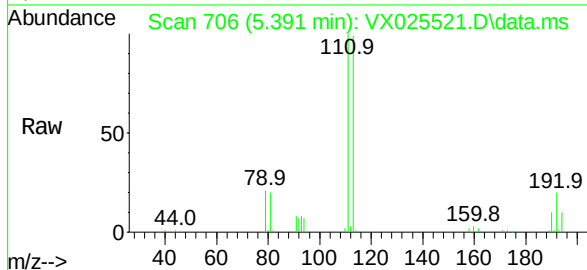




Dibromofluoromethane
Concen: 50.88 ug/l
RT: 5.391 min Scan# 732
Delta R.T. 0.006 min
Lab File: VX025521.D
Acq: 04 Dec 2021 14:57

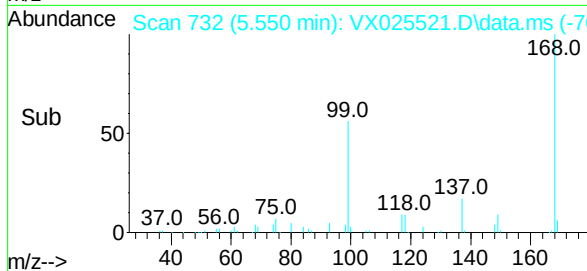
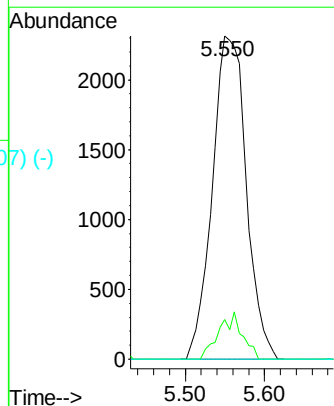
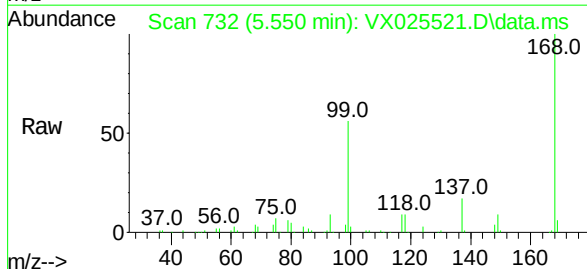
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:	113	Resp:	51208
Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.1	123.1
192	20.9	15.6	23.4



1,1-Dichloropropene
Concen: 4.82 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX025521.D
Acq: 04 Dec 2021 14:57

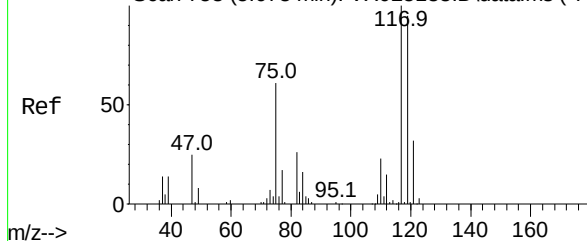
Tgt Ion:	75	Resp:	6891
Ion	Ratio	Lower	Upper
75	100		
110	10.0	18.1	54.3#
77	0.0	24.4	36.6#



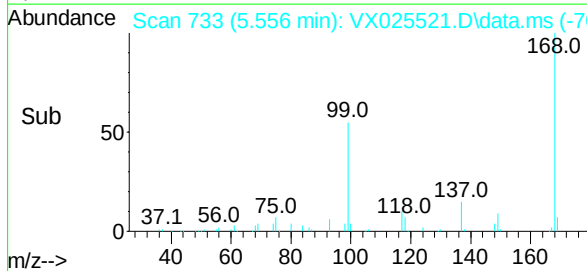
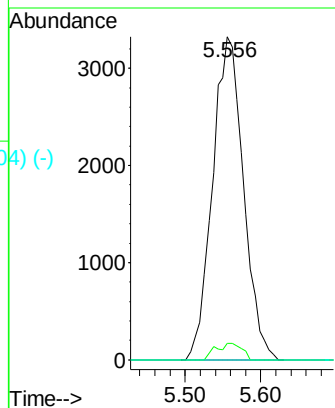
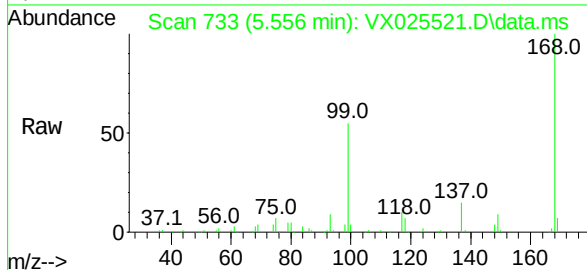
Abundance Scan 753 (5.678 min): VX025183.D\data.ms (-742) #38

Carbon Tetrachloride
Concen: 5.98 ug/l
RT: 5.556 min Scan# 93
Delta R.T. -0.122 min
Lab File: VX025521.D
Acq: 04 Dec 2021 14:57

Instrument :
MSVOA_X
ClientSampleId :



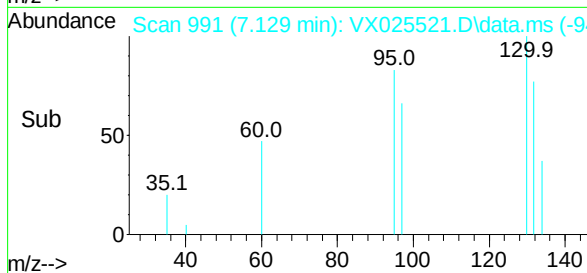
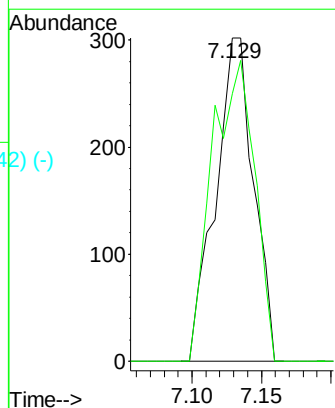
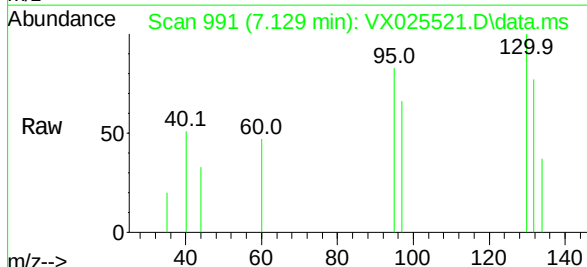
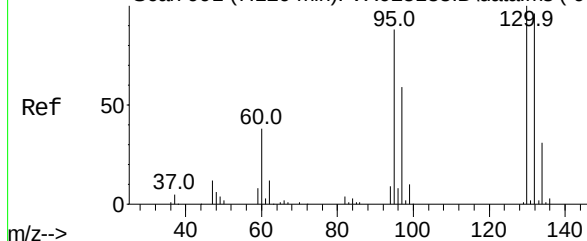
Tgt Ion:117 Resp: 9429
Ion Ratio Lower Upper
117 100
119 5.1 75.6 113.4#
121 0.0 23.7 35.5#



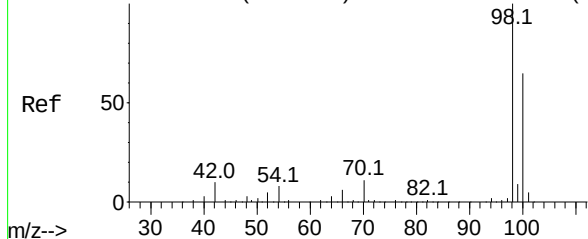
Abundance Scan 991 (7.129 min): VX025183.D\data.ms (-981) #44

Trichloroethene
Concen: 0.46 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX025521.D
Acq: 04 Dec 2021 14:57

Tgt Ion:130 Resp: 575
Ion Ratio Lower Upper
130 100
95 82.8 0.0 196.8



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: VX025521.D

Acq: 04 Dec 2021 14:57

Instrument :

MSVOA_X

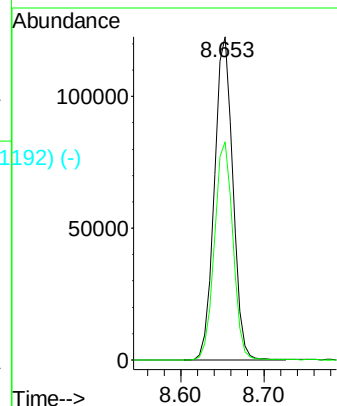
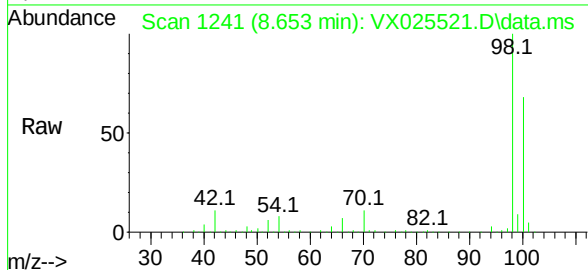
ClientSampleId :

Tgt Ion: 98 Resp: 188312

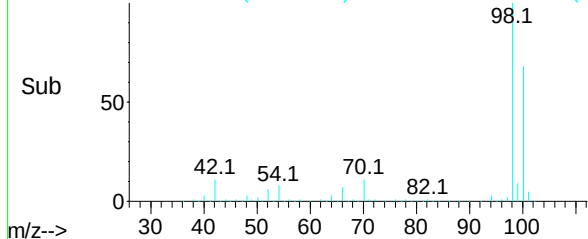
Ion Ratio Lower Upper

98 100

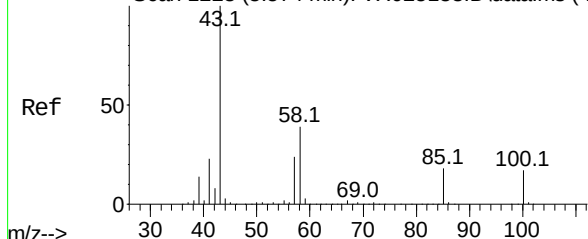
100 67.4 51.4 77.0



Abundance Scan 1241 (8.653 min): VX025521.D\data.ms (-1192-)



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



4-Methyl-2-Pentanone

Concen: 0.45 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.079 min

Lab File: VX025521.D

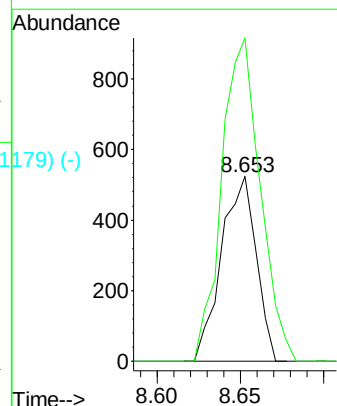
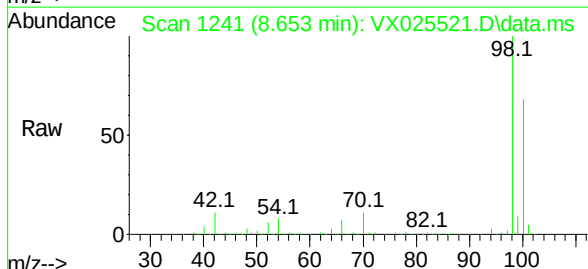
Acq: 04 Dec 2021 14:57

Tgt Ion: 43 Resp: 763

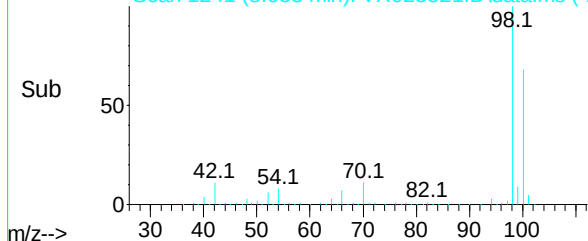
Ion Ratio Lower Upper

43 100

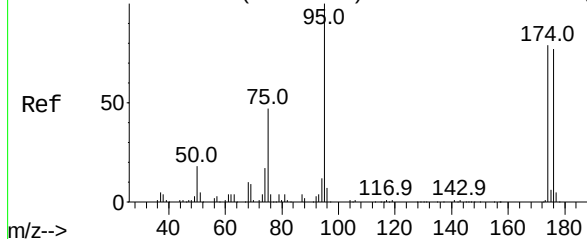
58 193.7 30.9 46.3#



Abundance Scan 1241 (8.653 min): VX025521.D\data.ms (-1179-)



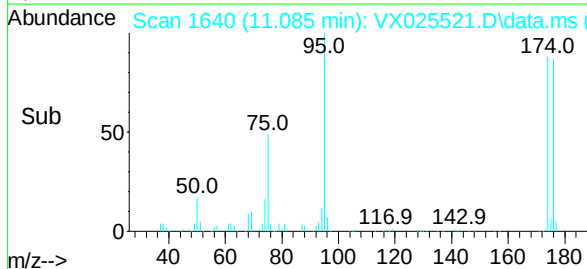
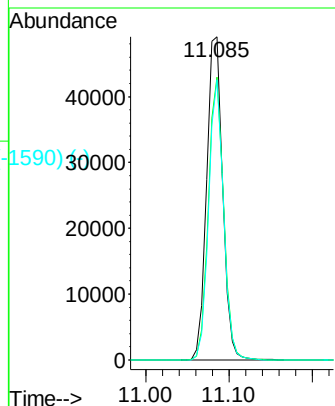
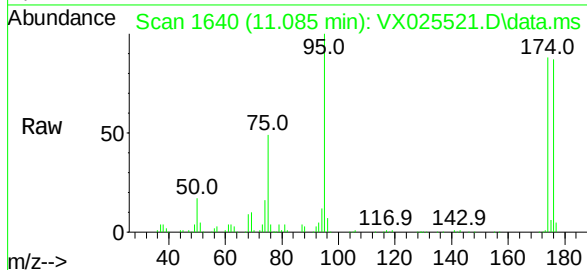
Abundance Scan 1639 (11.079 min): VX025183.D\data.ms (-1639)



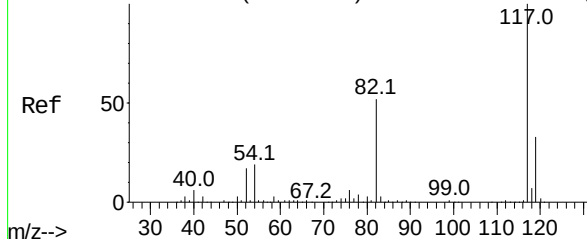
4-Bromofluorobenzene
Concen: 45.54 ug/l
RT: 11.085 min Scan# 1639
Delta R.T. 0.006 min
Lab File: VX025521.D
Acq: 04 Dec 2021 14:57

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:	95	Resp:	65190
Ion	Ratio	Lower	Upper
95	100		
174	83.0	0.0	158.0
176	80.6	0.0	153.6

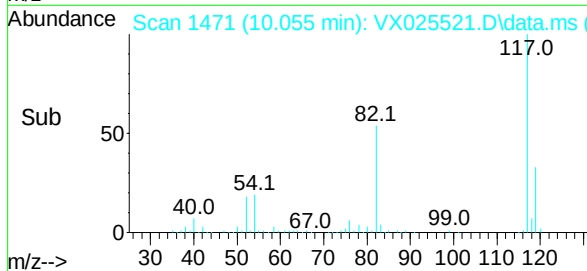
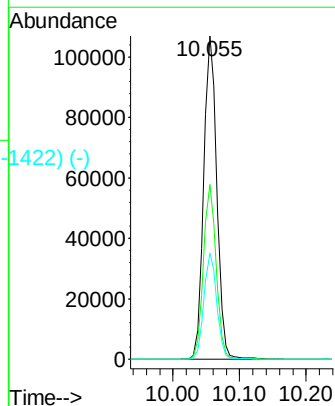
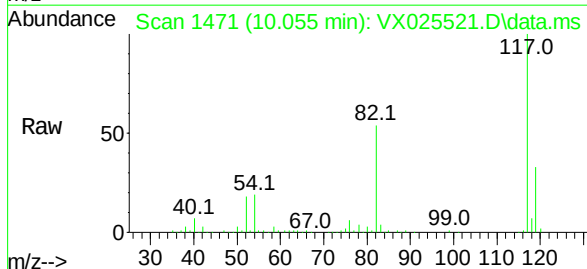


Abundance Scan 1471 (10.055 min): VX025183.D\data.ms (-1469)



Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025521.D
Acq: 04 Dec 2021 14:57

Tgt Ion:	117	Resp:	146113
Ion	Ratio	Lower	Upper
117	100		
82	54.1	44.6	67.0
119	32.8	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

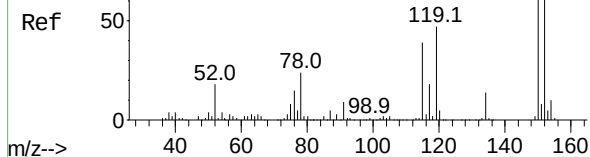
Lab File: VX025521.D

Acq: 04 Dec 2021 14:57

Instrument :

MSVOA_X

ClientSampleId :



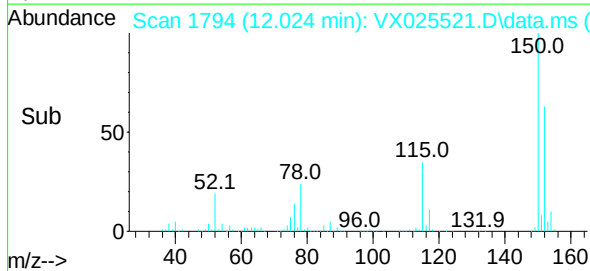
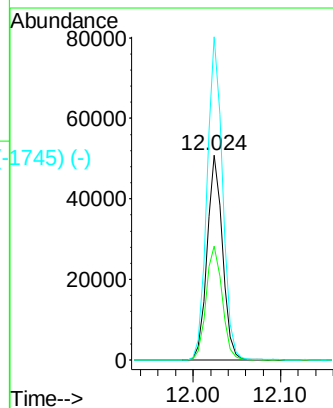
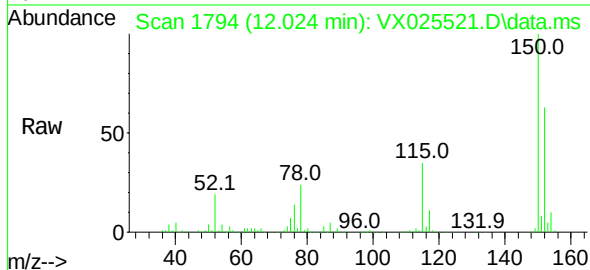
Tgt Ion:152 Resp: 62003

Ion Ratio Lower Upper

152 100

115 58.0 43.3 129.8

150 158.6 0.0 351.2



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

1,2,3-Trichloropropane

Concen: 25.09 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX025521.D

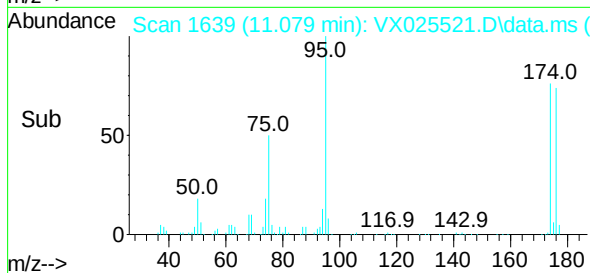
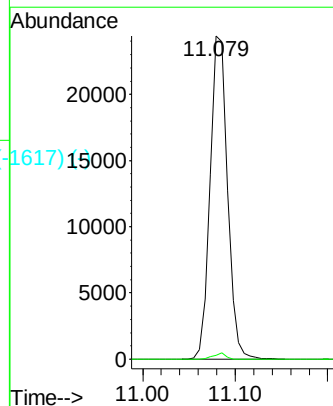
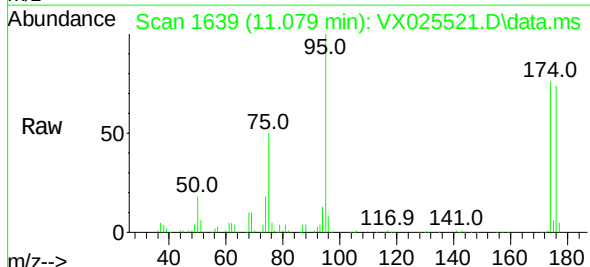
Acq: 04 Dec 2021 14:57

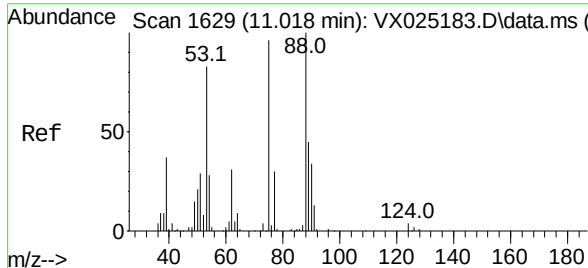
Tgt Ion: 75 Resp: 31852

Ion Ratio Lower Upper

75 100

77 1.3 20.0 59.9#

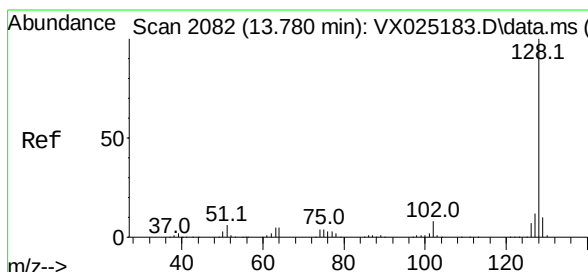
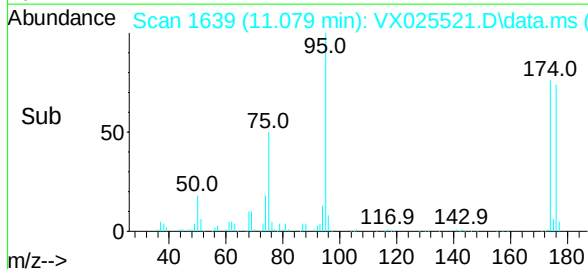
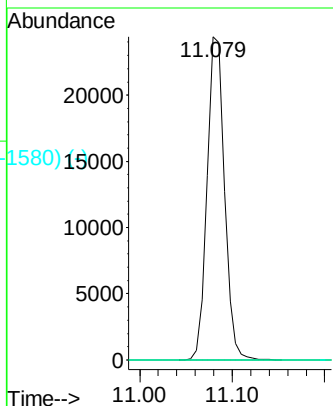
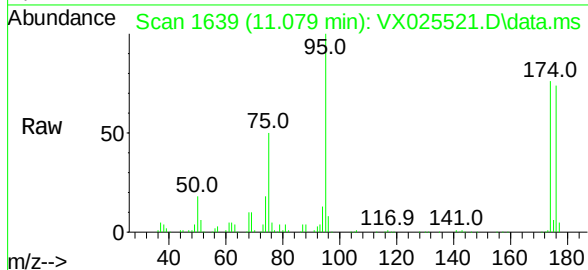




Scan 1629 (11.018 min): VX025183.D\data.ms (-1629)
 trans-1,4-Dichloro-2-butene
 Concen: 63.20 ug/l
 RT: 11.079 min Scan# 1629
 Delta R.T. 0.061 min
 Lab File: VX025521.D
 Acq: 04 Dec 2021 14:57

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion:	75	Resp:	31852
Ion	Ratio	Lower	Upper
75	100		
53	0.0	81.9	122.9#
89	0.0	38.2	57.2#



Scan 2082 (13.780 min): VX025183.D\data.ms (-2082)
 Naphthalene
 Concen: Below Cal
 RT: 13.792 min Scan# 2084
 Delta R.T. 0.012 min
 Lab File: VX025521.D
 Acq: 04 Dec 2021 14:57

Tgt Ion:	128	Resp:	104
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.8	13.2#

