

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120421\
 Data File : VX025525.D
 Acq On : 04 Dec 2021 16:31
 Operator : JC/MD
 Sample : M4923-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE115D1-20211130

Quant Time: Dec 06 01:03:42 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)

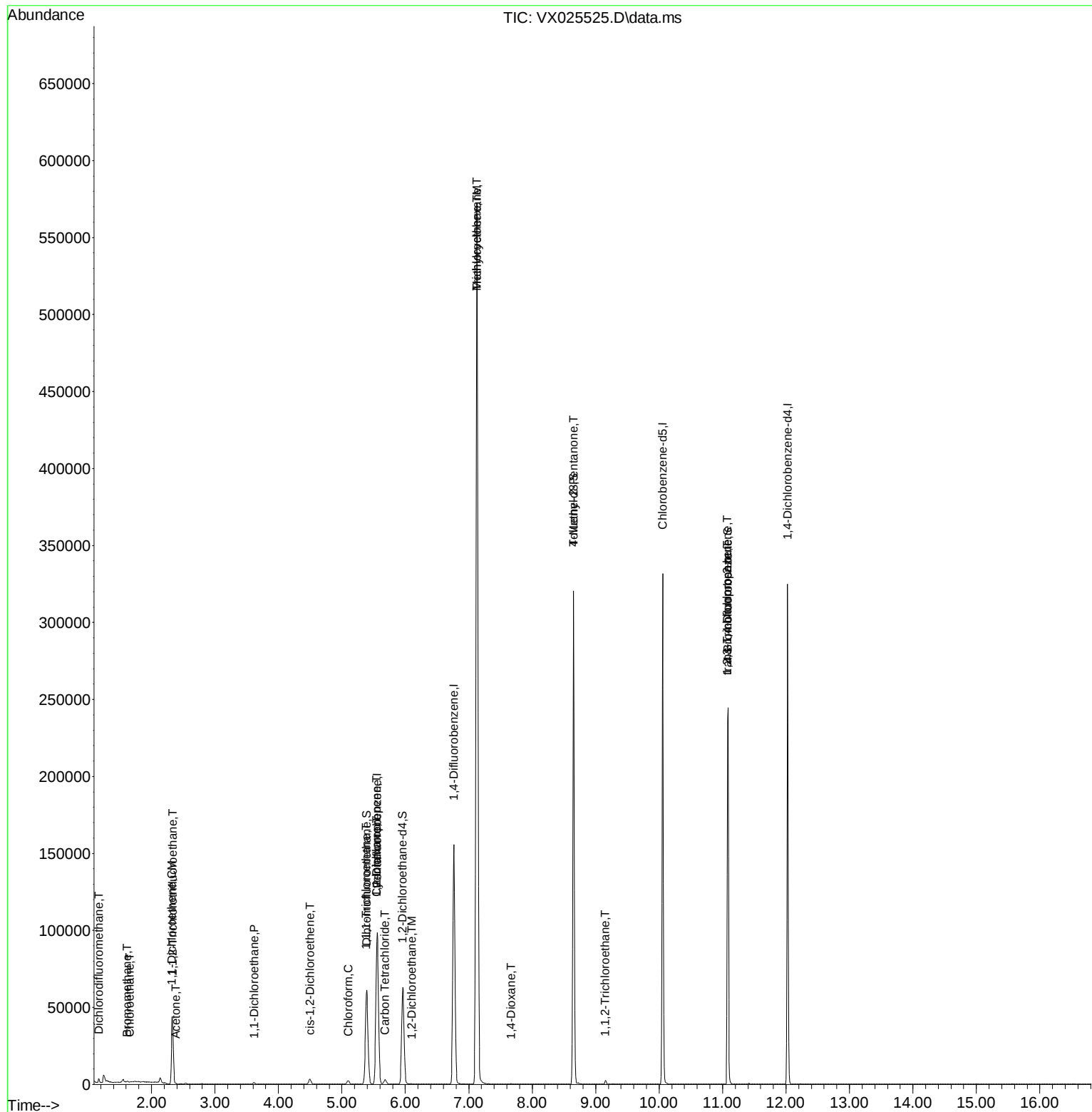
Internal Standards						
1) Pentafluorobenzene	5.556	168	99716	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	166697	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	150512	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67262	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	59176	56.30	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 112.60%			
35) Dibromofluoromethane	5.391	113	52070	50.91	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.82%			
50) Toluene-d8	8.653	98	192010	49.93	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.86%			
62) 4-Bromofluorobenzene	11.086	95	67364	46.30	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.60%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	1159	1.34	ug/l	89
5) Bromomethane	1.612	94	171	0.34	ug/l #	66
6) Chloroethane	1.660	64	172	0.21	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	13017	14.03	ug/l	98
12) 1,1-Dichloroethene	2.319	96	5267	5.70	ug/l	85
16) Acetone	2.386	43	497	0.85	ug/l	99
24) 1,1-Dichloroethane	3.617	63	1331	0.76	ug/l #	84
27) cis-1,2-Dichloroethene	4.495	96	2344	1.98	ug/l	76
30) Chloroform	5.099	83	2799	1.55	ug/l	95
31) Cyclohexane	5.550	56	1827	1.12	ug/l #	25
32) 1,1,1-Trichloroethane	5.385	97	774	0.47	ug/l #	48
36) 1,1-Dichloropropene	5.550	75	6924	4.76	ug/l #	50
38) Carbon Tetrachloride	5.678	117	2625	1.64	ug/l	96
39) Methylcyclohexane	7.129	83	2612	1.40	ug/l #	1
42) 1,2-Dichloroethane	6.099	62	419	0.29	ug/l #	77
44) Trichloroethene	7.129	130	229479	179.30	ug/l	96
49) 1,4-Dioxane	7.671	88	397	14.55	ug/l #	66
51) 4-Methyl-2-Pentanone	8.653	43	790	0.46	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	733	0.64	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	33314	24.19	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	33314	60.93	ug/l #	9

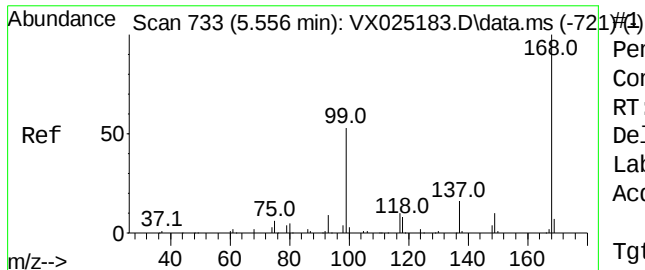
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.556 min Scan#

Delta R.T. 0.000 min

Lab File: VX025525.D

Acq: 04 Dec 2021 16:31

Instrument :

MSVOA_X

ClientSampleId :

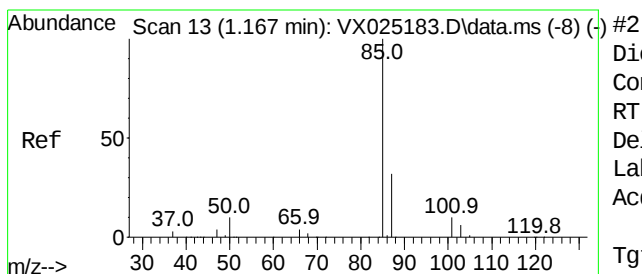
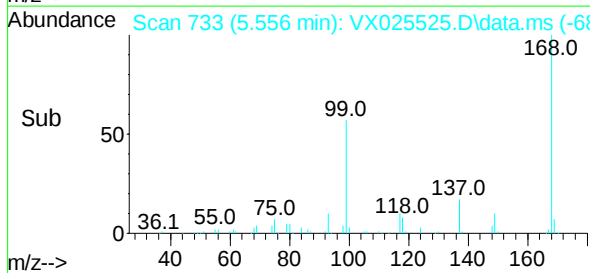
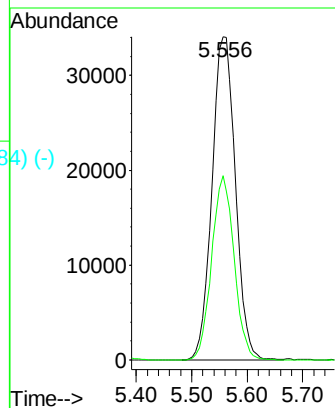
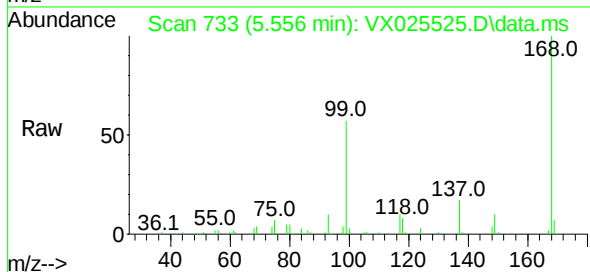
RE115D1-20211130

Tgt Ion:168 Resp: 99716

Ion Ratio Lower Upper

168 100

99 57.0 46.4 69.6



Dichlorodifluoromethane

Concen: 1.34 ug/l

RT: 1.167 min Scan# 13

Delta R.T. -0.000 min

Lab File: VX025525.D

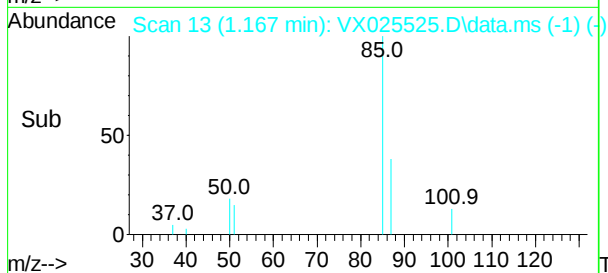
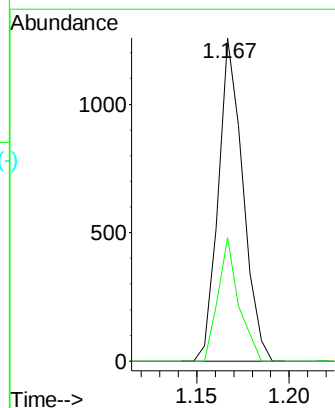
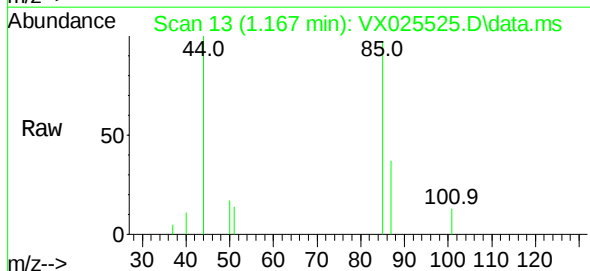
Acq: 04 Dec 2021 16:31

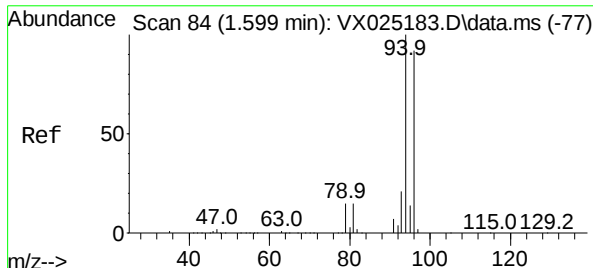
Tgt Ion: 85 Resp: 1159

Ion Ratio Lower Upper

85 100

87 38.2 16.0 47.9





Bromomethane

Concen: 0.34 ug/l

RT: 1.612 min Scan# 84

Delta R.T. 0.013 min

Lab File: VX025525.D

Acq: 04 Dec 2021 16:31

Instrument :

MSVOA_X

ClientSampleId :

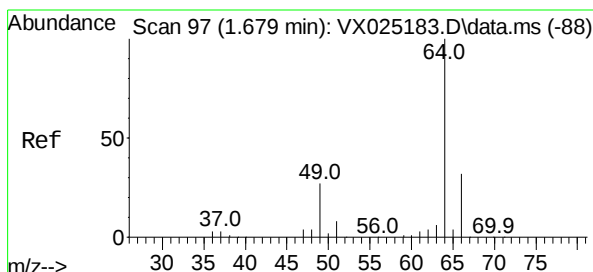
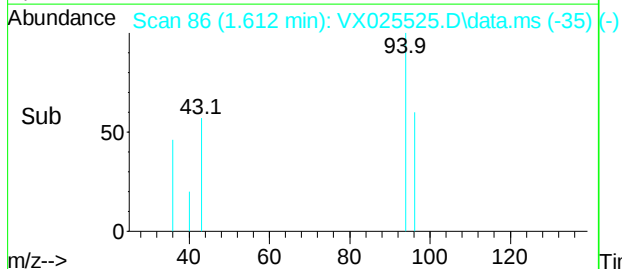
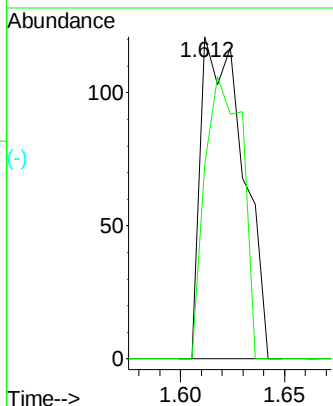
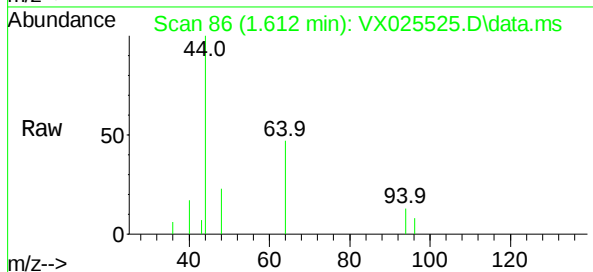
RE115D1-20211130

Tgt Ion: 94 Resp: 171

Ion Ratio Lower Upper

94 100

96 60.3 74.8 112.2#



Chloroethane

Concen: 0.21 ug/l

RT: 1.660 min Scan# 94

Delta R.T. -0.019 min

Lab File: VX025525.D

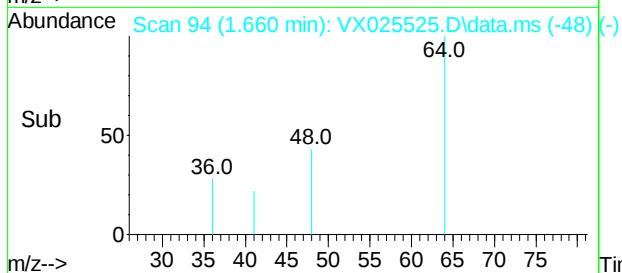
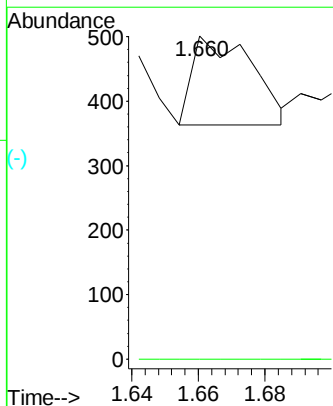
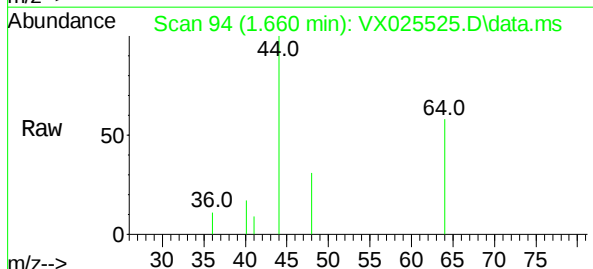
Acq: 04 Dec 2021 16:31

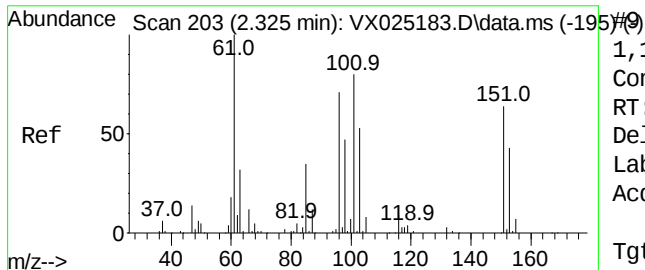
Tgt Ion: 64 Resp: 172

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#





1,1,2-Trichlorotrifluoroethane

Concen: 14.03 ug/l

RT: 2.331 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX025525.D

Acq: 04 Dec 2021 16:31

Instrument :

MSVOA_X

ClientSampleId :

RE115D1-20211130

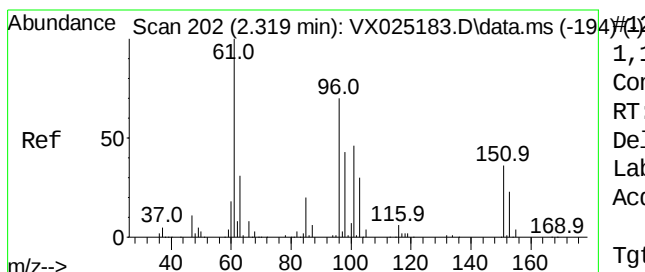
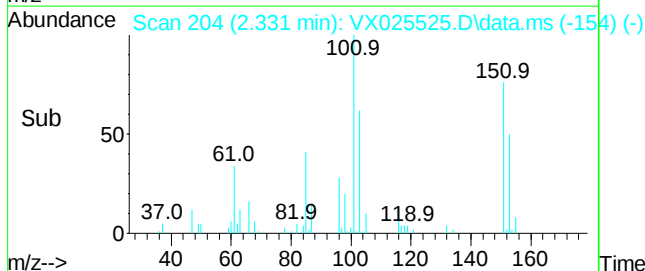
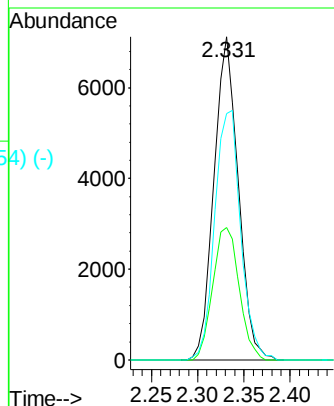
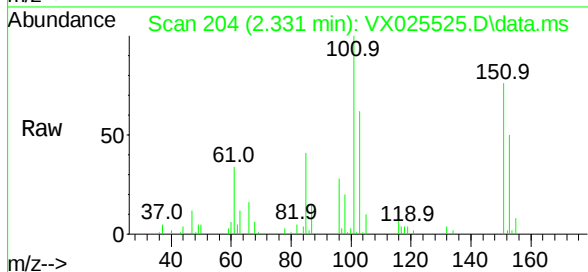
Tgt Ion:101 Resp: 13017

Ion Ratio Lower Upper

101 100

85 44.4 35.9 53.9

151 82.3 64.4 96.6



1,1-Dichloroethene

Concen: 5.70 ug/l

RT: 2.319 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX025525.D

Acq: 04 Dec 2021 16:31

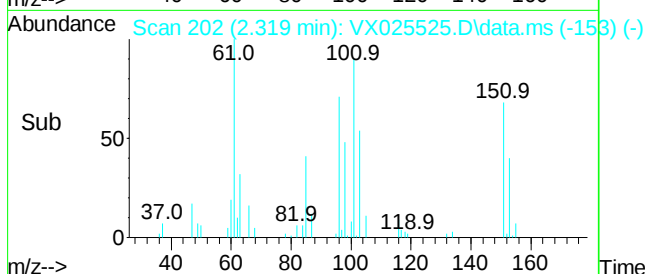
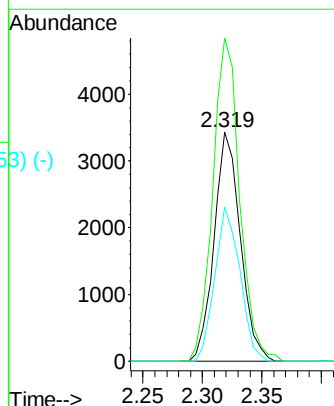
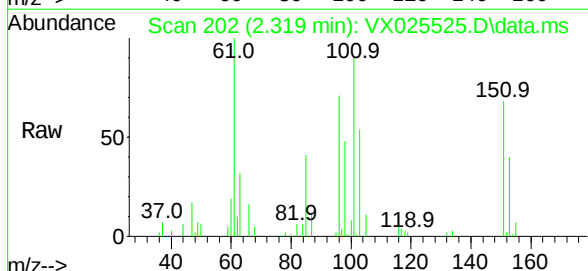
Tgt Ion: 96 Resp: 5267

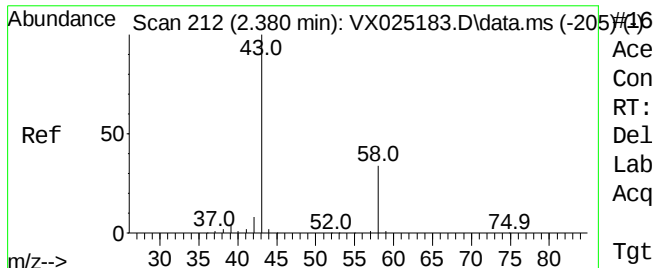
Ion Ratio Lower Upper

96 100

61 140.9 134.1 201.1

98 67.3 51.5 77.3

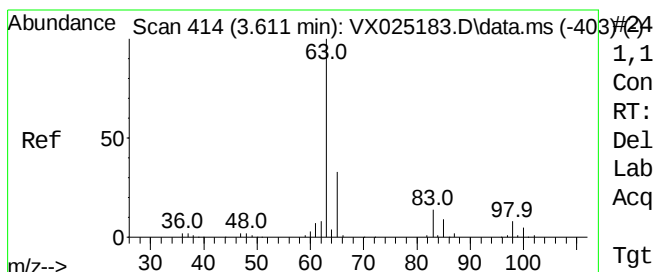
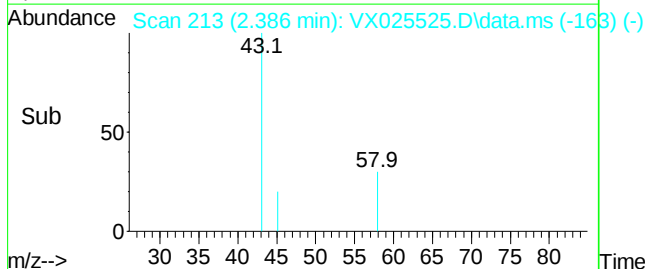
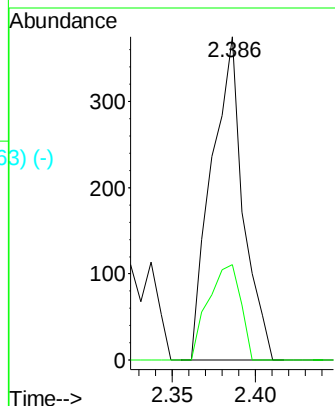
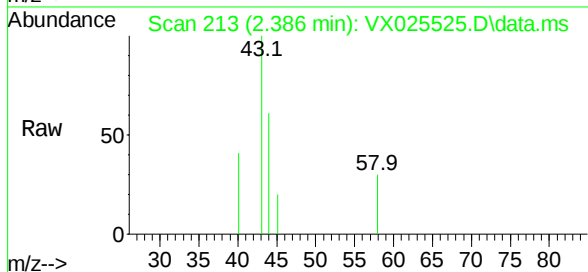




Acetone
 Concen: 0.85 ug/l
 RT: 2.386 min Scan# 415
 Delta R.T. 0.006 min
 Lab File: VX025525.D
 Acq: 04 Dec 2021 16:31

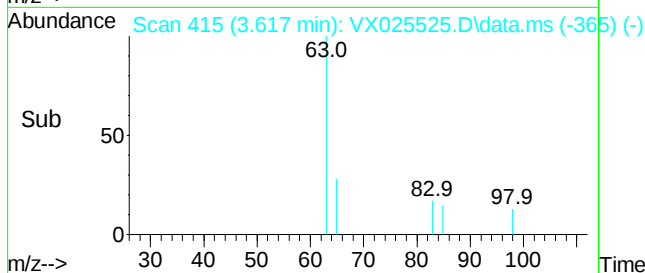
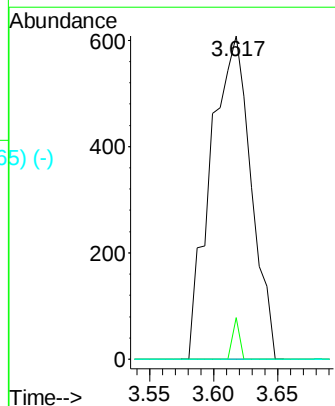
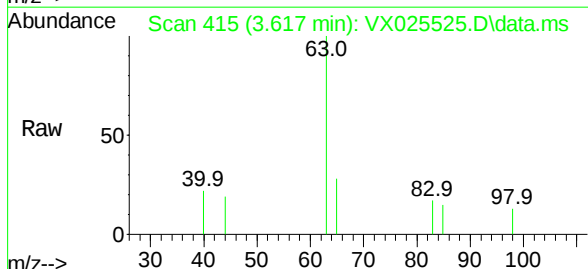
Instrument : MSVOA_X
 ClientSampleId : RE115D1-20211130

Tgt Ion: 43 Resp: 497
 Ion Ratio Lower Upper
 43 100
 58 29.6 24.0 36.0



1,1-Dichloroethane
 Concen: 0.76 ug/l
 RT: 3.617 min Scan# 415
 Delta R.T. 0.006 min
 Lab File: VX025525.D
 Acq: 04 Dec 2021 16:31

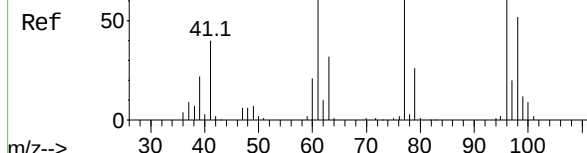
Tgt Ion: 63 Resp: 1331
 Ion Ratio Lower Upper
 63 100
 98 12.8 3.3 9.9#
 100 0.0 2.1 6.2#



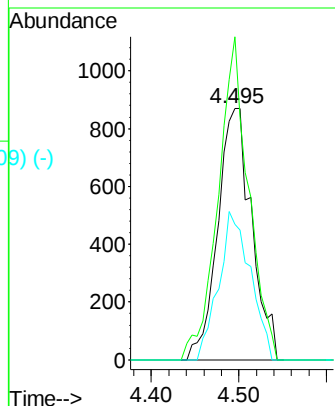
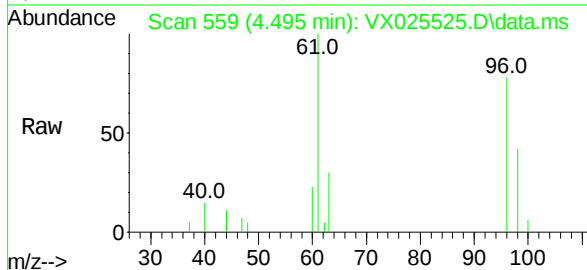
Abundance Scan 558 (4.489 min): VX025183.D\data.ms (-546) #27

cis-1,2-Dichloroethene
Concen: 1.98 ug/l
RT: 4.495 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX025525.D
Acq: 04 Dec 2021 16:31

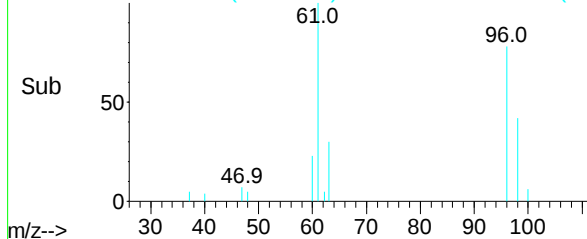
Instrument : MSVOA_X
ClientSampleId : RE115D1-20211130



Tgt Ion:	96	Resp:	2344
Ion	Ratio	Lower	Upper
96	100		
61	115.4	0.0	302.2
98	54.9	0.0	131.4



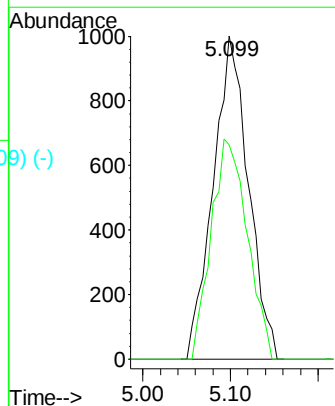
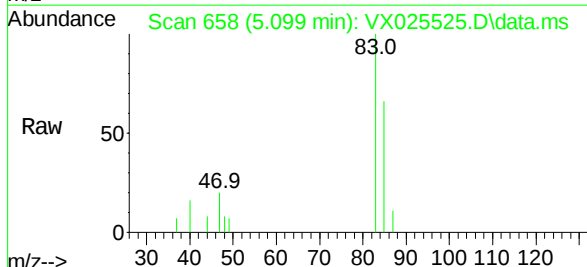
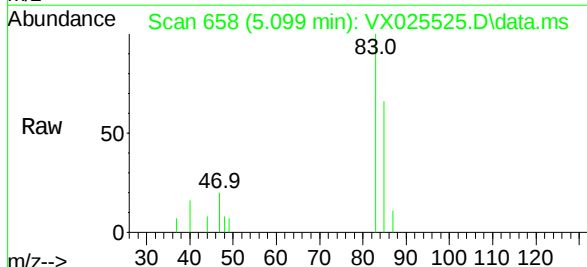
Abundance Scan 559 (4.495 min): VX025525.D\data.ms (-509) (-)



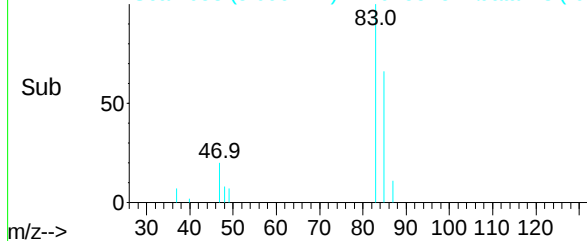
Abundance Scan 658 (5.099 min): VX025183.D\data.ms (-645) #30

Chloroform
Concen: 1.55 ug/l
RT: 5.099 min Scan# 658
Delta R.T. -0.000 min
Lab File: VX025525.D
Acq: 04 Dec 2021 16:31

Tgt Ion:	83	Resp:	2799
Ion	Ratio	Lower	Upper
83	100		
85	66.3	50.2	75.2



Abundance Scan 658 (5.099 min): VX025525.D\data.ms (-609) (-)



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

Cyclohexane

Concen: 1.12 ug/l

RT: 5.550 min Scan#

Delta R.T. 0.079 min

Lab File: VX025525.D

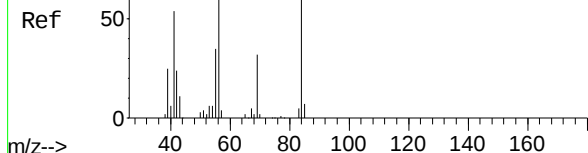
Acq: 04 Dec 2021 16:31

Instrument :

MSVOA_X

ClientSampleId :

RE115D1-20211130



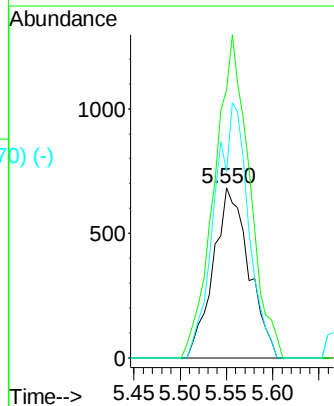
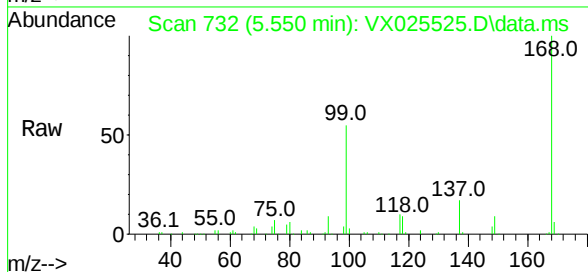
Tgt Ion: 56 Resp: 1827

Ion Ratio Lower Upper

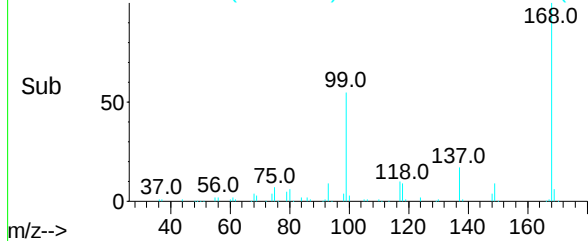
56 100

69 157.3 24.2 36.2#

84 109.2 71.5 107.3#



Abundance Scan 732 (5.550 min): VX025525.D\data.ms (-670) (-)



Abundance Scan 705 (5.385 min): VX025183.D\data.ms (-691) #32

1,1,1-Trichloroethane

Concen: 0.47 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX025525.D

Acq: 04 Dec 2021 16:31

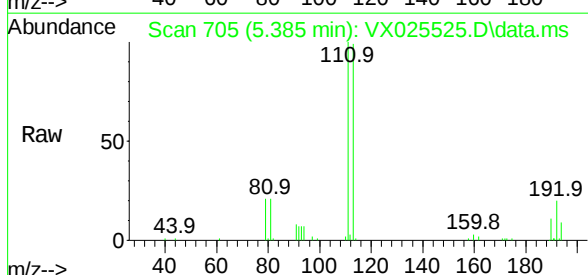
Tgt Ion: 97 Resp: 774

Ion Ratio Lower Upper

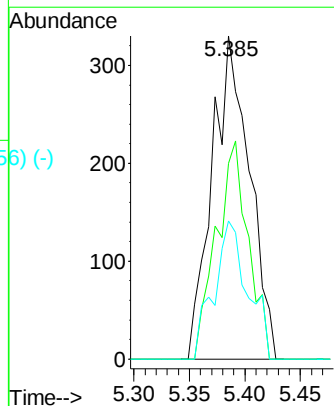
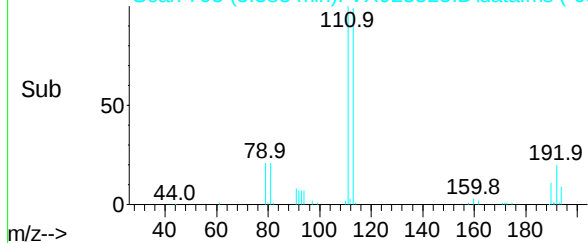
97 100

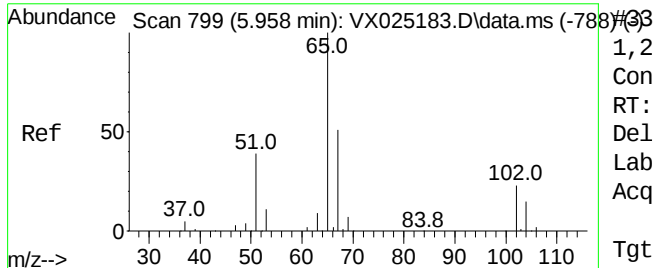
99 0.0 50.9 76.3#

61 38.5 35.0 52.4



Abundance Scan 705 (5.385 min): VX025525.D\data.ms (-656) (-)

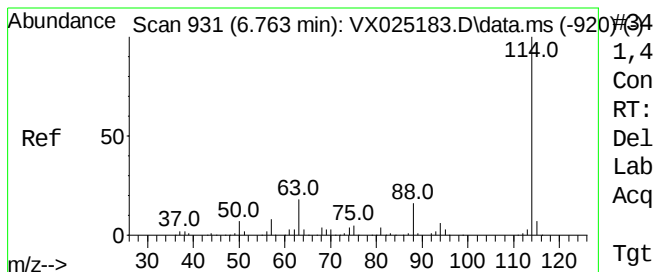
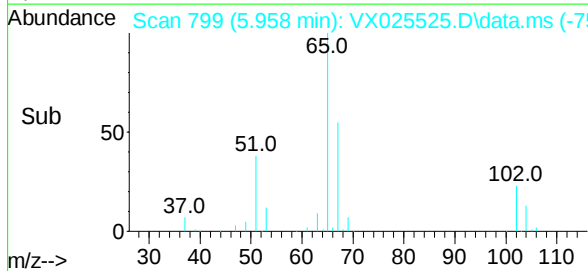
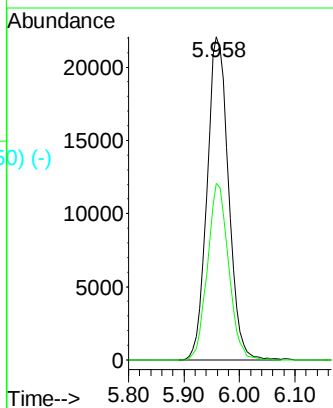
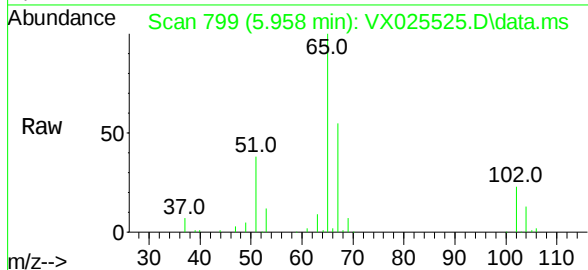




1,2-Dichloroethane-d4
Concen: 56.30 ug/l
RT: 5.958 min Scan#
Delta R.T. 0.000 min
Lab File: VX025525.D
Acq: 04 Dec 2021 16:31

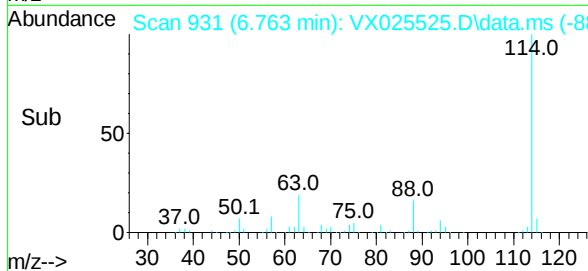
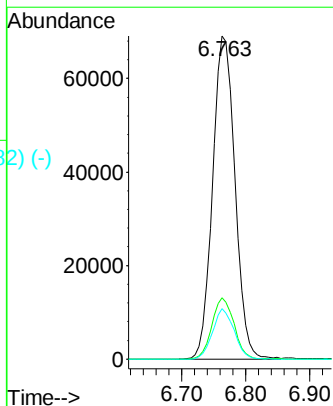
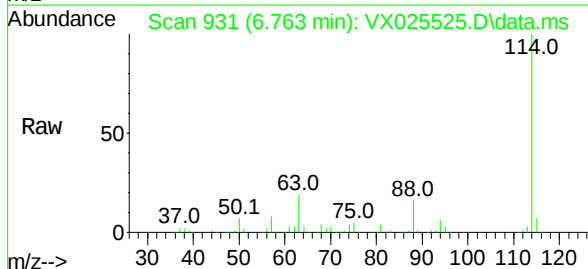
Instrument :
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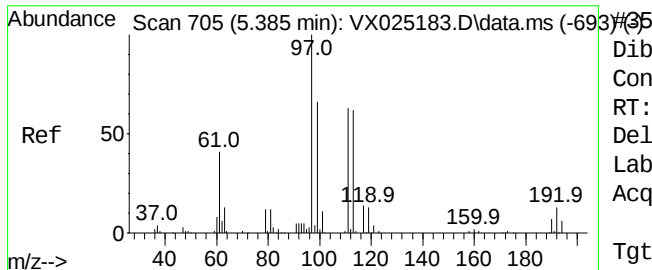
Tgt Ion: 65 Resp: 59176
Ion Ratio Lower Upper
65 100
67 53.7 0.0 101.0



1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX025525.D
Acq: 04 Dec 2021 16:31

Tgt Ion:114 Resp: 166697
Ion Ratio Lower Upper
114 100
63 18.9 0.0 41.0
88 15.7 0.0 34.8

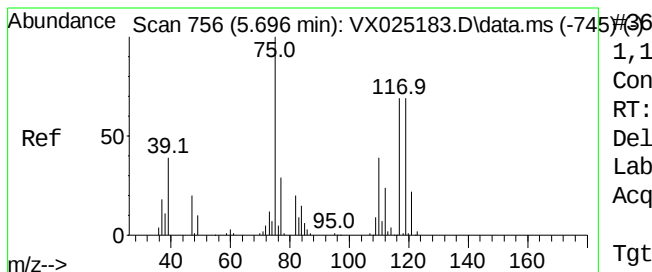
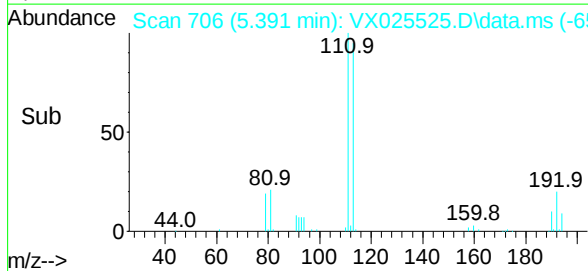
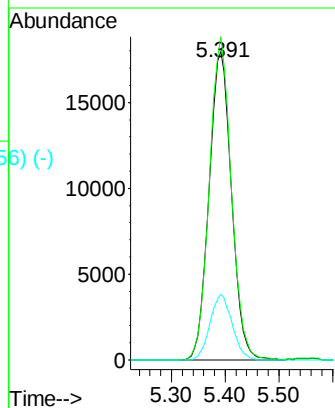
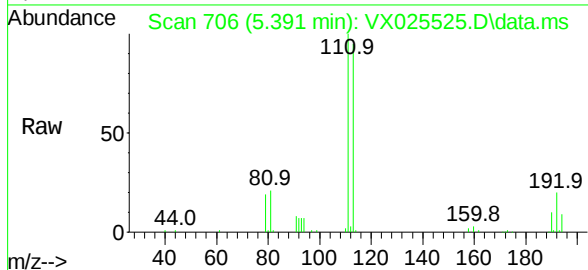




Dibromofluoromethane
Concen: 50.91 ug/l
RT: 5.391 min Scan# 732
Delta R.T. 0.006 min
Lab File: VX025525.D
Acq: 04 Dec 2021 16:31

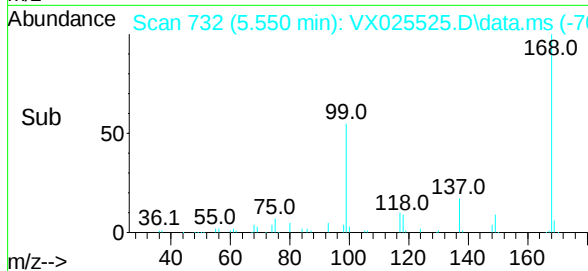
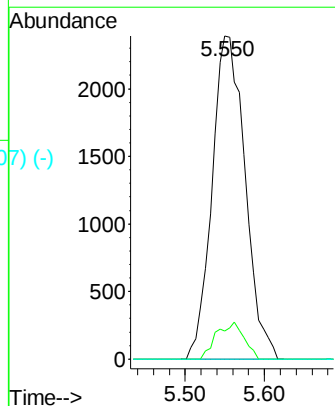
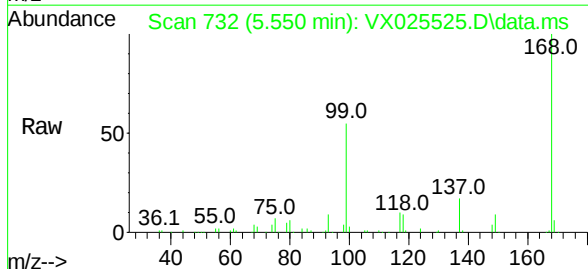
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20211130

Tgt Ion:	113	Resp:	52070
Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.1	123.1
192	20.8	15.6	23.4



1,1-Dichloropropene
Concen: 4.76 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX025525.D
Acq: 04 Dec 2021 16:31

Tgt Ion:	75	Resp:	6924
Ion	Ratio	Lower	Upper
75	100		
110	9.5	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: 1.64 ug/l

RT: 5.678 min Scan#

Delta R.T. -0.000 min

Lab File: VX025525.D

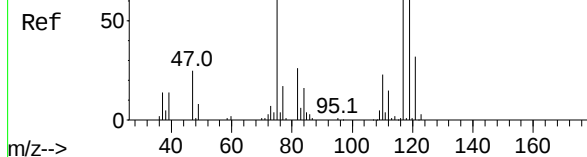
Acq: 04 Dec 2021 16:31

Instrument :

MSVOA_X

ClientSampleId :

RE115D1-20211130



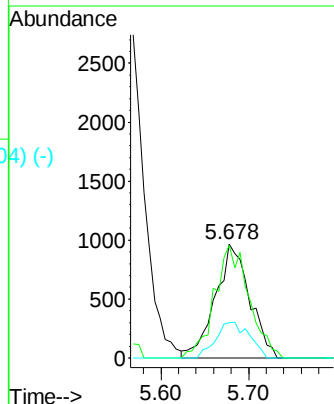
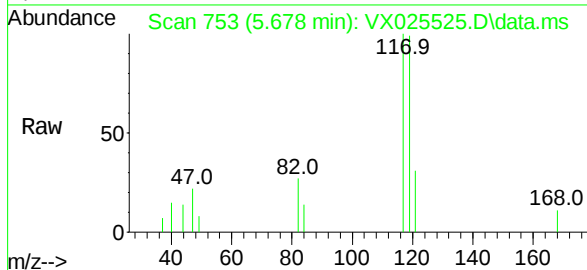
Tgt Ion:117 Resp: 2625

Ion Ratio Lower Upper

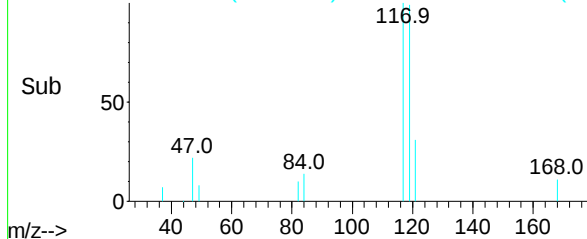
117 100

119 98.8 75.6 113.4

121 31.0 23.7 35.5



Abundance Scan 753 (5.678 min): VX025525.D\data.ms (-704) (-)



Abundance Scan 1033 (7.385 min): VX025183.D\data.ms (-1029) #39

Methylcyclohexane

Concen: 1.40 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX025525.D

Acq: 04 Dec 2021 16:31

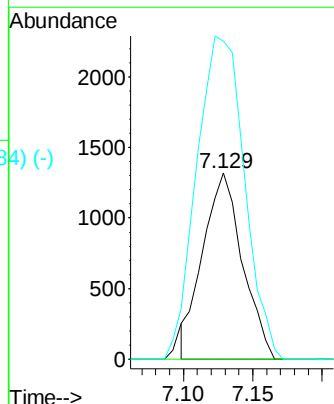
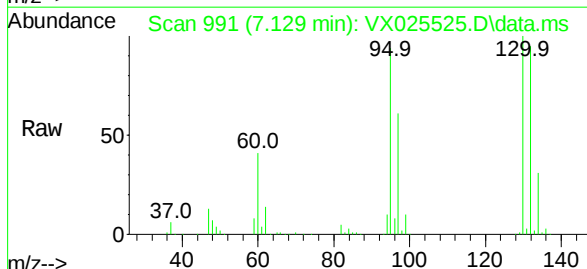
Tgt Ion: 83 Resp: 2612

Ion Ratio Lower Upper

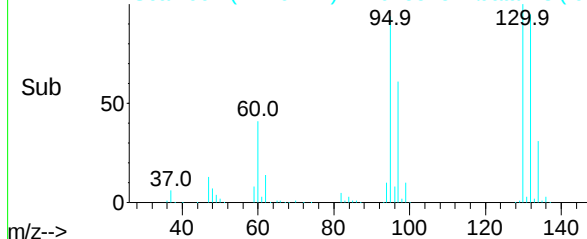
83 100

55 0.0 60.8 91.2#

98 170.4 37.0 55.4#



Abundance Scan 991 (7.129 min): VX025525.D\data.ms (-984) (-)



Abundance Scan 820 (6.086 min): VX025183.D\data.ms (-804) #42

1,2-Dichloroethane

Concen: 0.29 ug/l

RT: 6.099 min Scan# 820

Delta R.T. 0.013 min

Lab File: VX025525.D

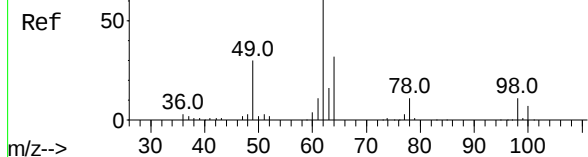
Acq: 04 Dec 2021 16:31

Instrument :

MSVOA_X

ClientSampleId :

RE115D1-20211130

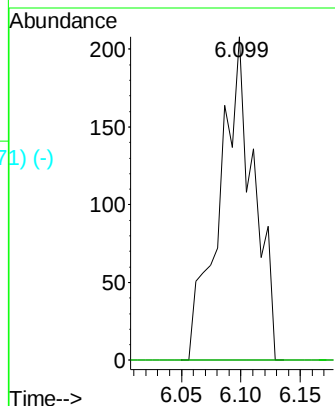
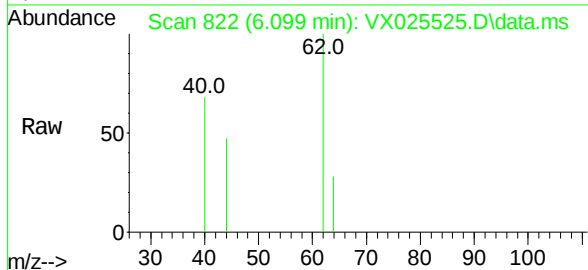


Tgt Ion: 62 Resp: 419

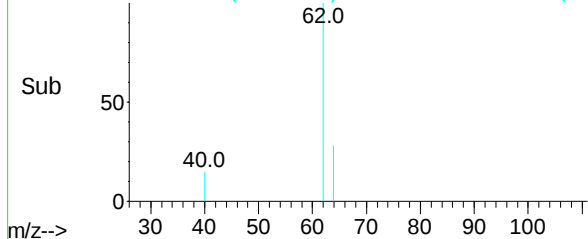
Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0



Abundance Scan 822 (6.099 min): VX025525.D\data.ms (-771) (-)



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

Trichloroethene

Concen: 179.30 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX025525.D

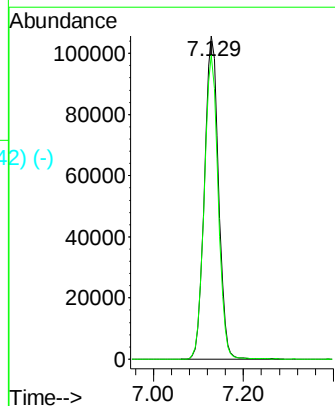
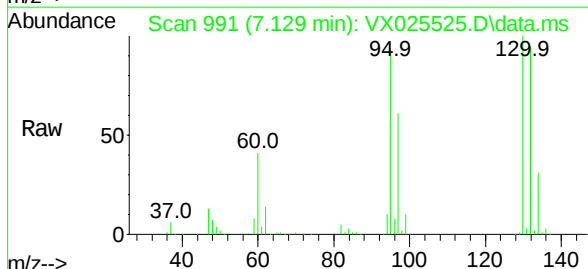
Acq: 04 Dec 2021 16:31

Tgt Ion: 130 Resp: 229479

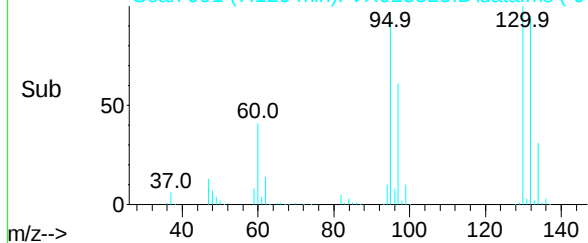
Ion Ratio Lower Upper

130 100

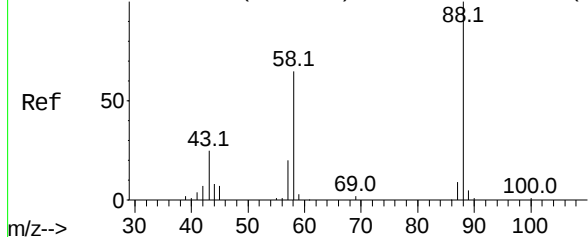
95 94.0 0.0 196.8



Abundance Scan 991 (7.129 min): VX025525.D\data.ms (-942) (-)



Abundance Scan 1078 (7.659 min): VX025183.D\data.ms (-10719-)



1,4-Dioxane

Concen: 14.55 ug/l

RT: 7.671 min Scan#

Delta R.T. 0.012 min

Lab File: VX025525.D

Acq: 04 Dec 2021 16:31

Instrument :

MSVOA_X

ClientSampleId :

RE115D1-20211130

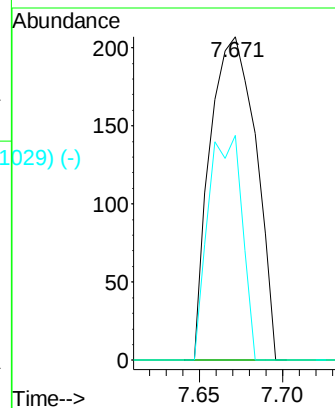
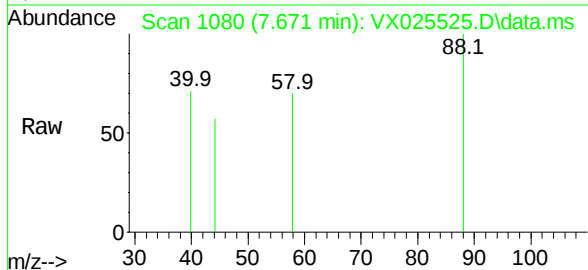
Tgt Ion: 88 Resp: 397

Ion Ratio Lower Upper

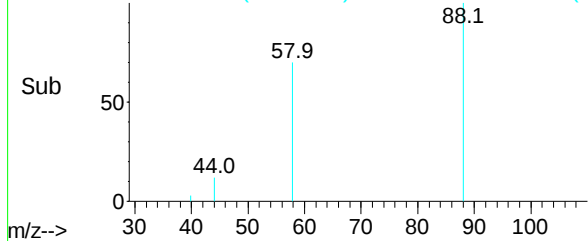
88 100

43 0.0 27.0 40.6#

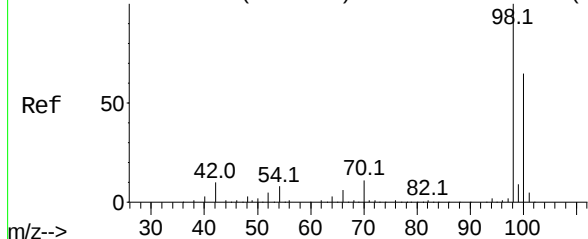
58 51.4 55.2 82.8#



Abundance Scan 1080 (7.671 min): VX025525.D\data.ms (-1029-)



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



Toluene-d8

Concen: 49.93 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX025525.D

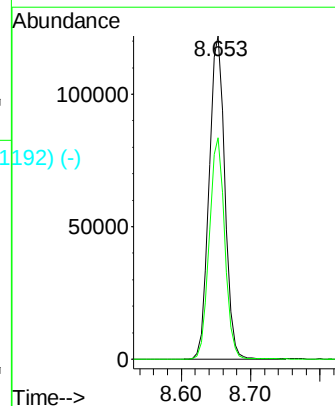
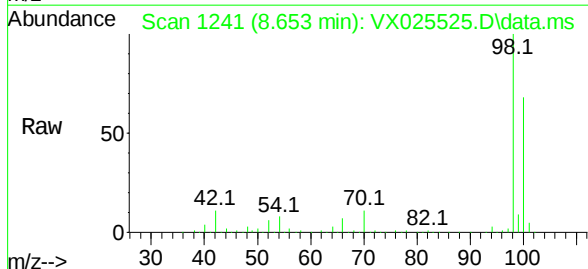
Acq: 04 Dec 2021 16:31

Tgt Ion: 98 Resp: 192010

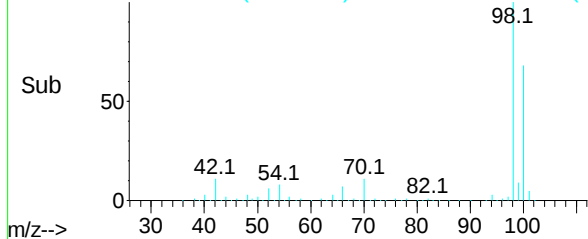
Ion Ratio Lower Upper

98 100

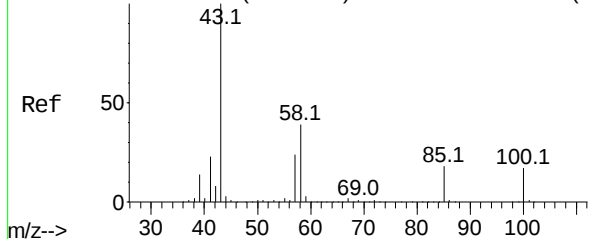
100 67.4 51.4 77.0



Abundance Scan 1241 (8.653 min): VX025525.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: 8.653 min Scan# 1228

Delta R.T. 0.079 min

Lab File: VX025525.D

Acq: 04 Dec 2021 16:31

Instrument :

MSVOA_X

ClientSampleId :

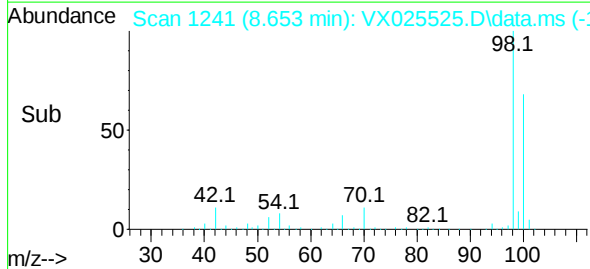
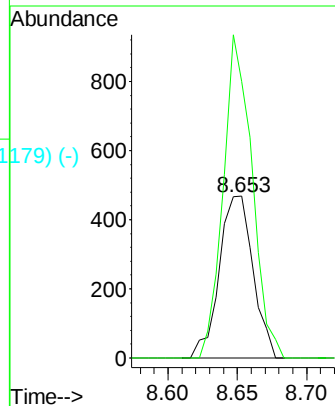
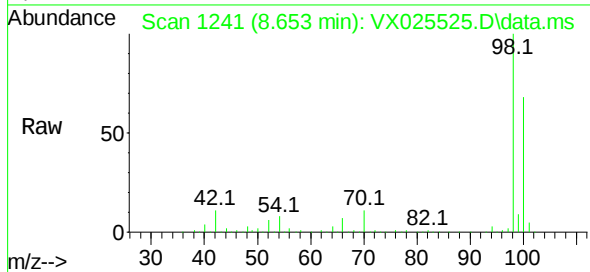
RE115D1-20211130

Tgt Ion: 43 Resp: 790

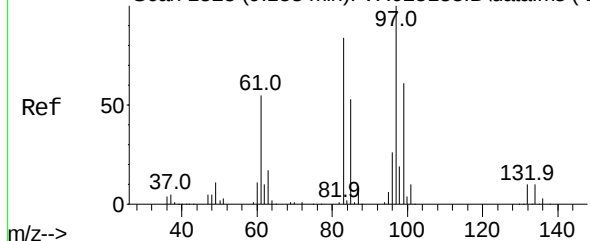
Ion Ratio Lower Upper

43 100

58 170.5 30.9 46.3#



Abundance Scan 1323 (9.153 min): VX025183.D\data.ms (-1323)



1,1,2-Trichloroethane

Concen: 0.64 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. -0.000 min

Lab File: VX025525.D

Acq: 04 Dec 2021 16:31

Tgt Ion: 97 Resp: 733

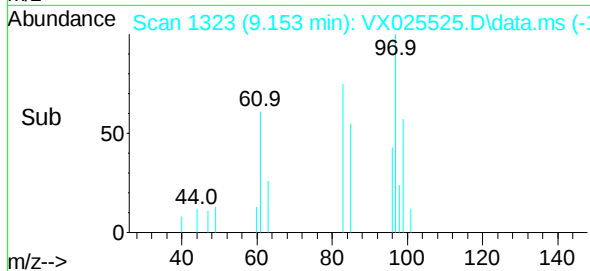
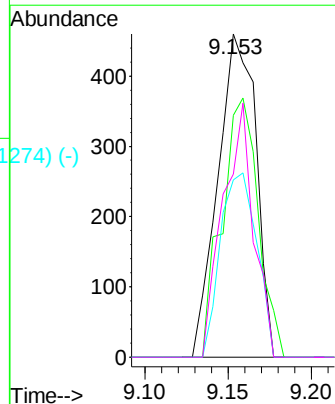
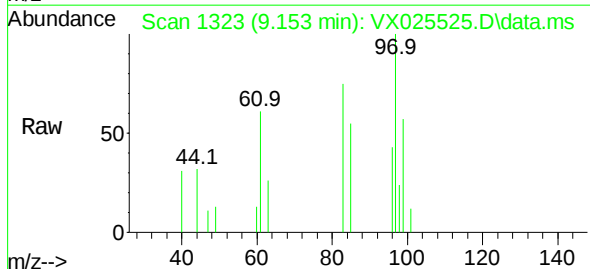
Ion Ratio Lower Upper

97 100

83 74.8 69.2 103.8

85 54.8 43.3 64.9

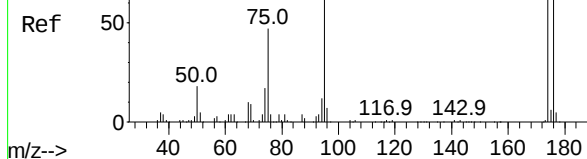
99 56.5 49.1 73.7



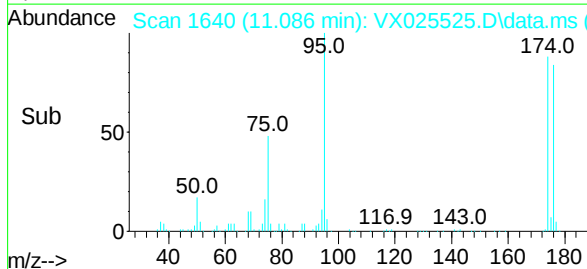
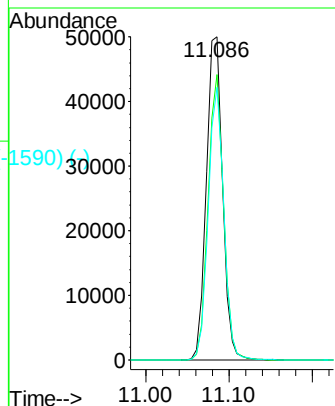
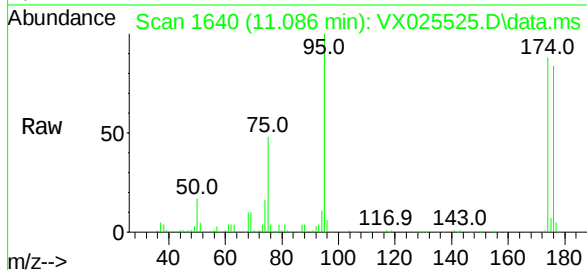
Abundance Scan 1639 (11.079 min): VX025183.D\data.ms (-1639) (-)

4-Bromofluorobenzene
Concen: 46.30 ug/l
RT: 11.086 min Scan# 1639
Delta R.T. 0.006 min
Lab File: VX025525.D
Acq: 04 Dec 2021 16:31

Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20211130



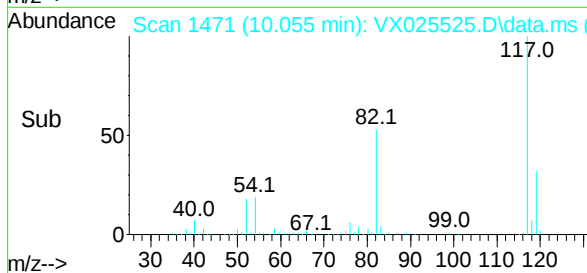
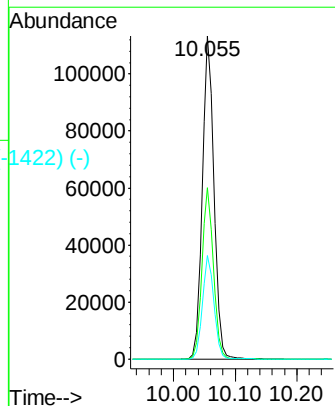
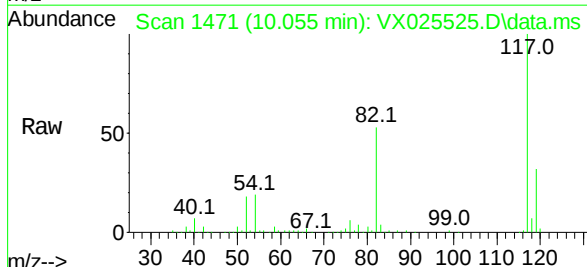
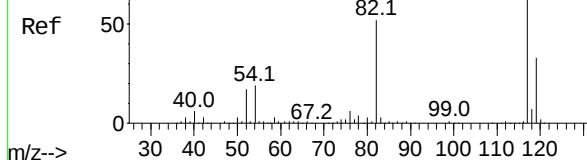
Tgt Ion:	95	Resp:	67364
Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	158.0
176	81.1	0.0	153.6



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: VX025525.D
Acq: 04 Dec 2021 16:31

Tgt Ion:	117	Resp:	150512
Ion	Ratio	Lower	Upper
117	100		
82	53.1	44.6	67.0
119	32.1	24.8	37.2



Abundance Scan 1794 (12.024 min): VX025183.D\data.ms (-1758) (-)

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.024 min Scan# 1758

Delta R.T. 0.000 min

Lab File: VX025525.D

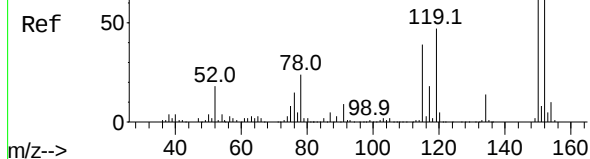
Acq: 04 Dec 2021 16:31

Instrument :

MSVOA_X

ClientSampleId :

RE115D1-20211130



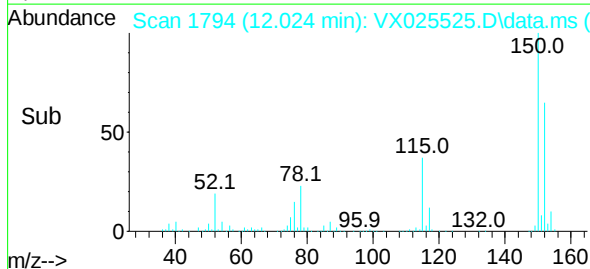
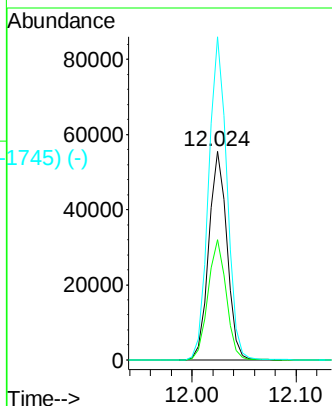
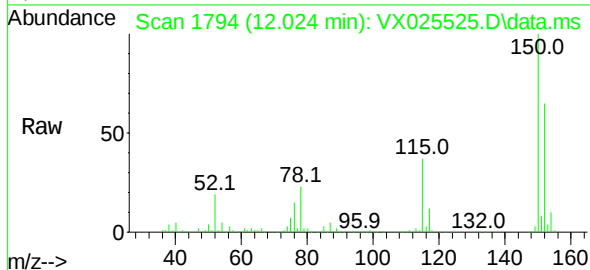
Tgt Ion:152 Resp: 67262

Ion Ratio Lower Upper

152 100

115 57.5 43.3 129.8

150 155.7 0.0 351.2



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

1,2,3-Trichloropropane

Concen: 24.19 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX025525.D

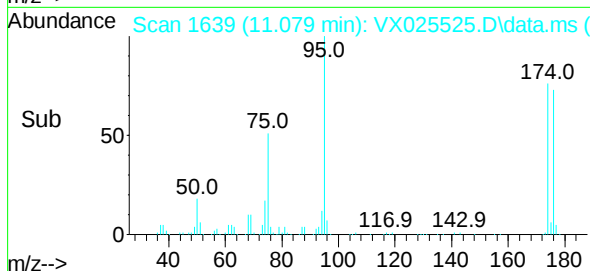
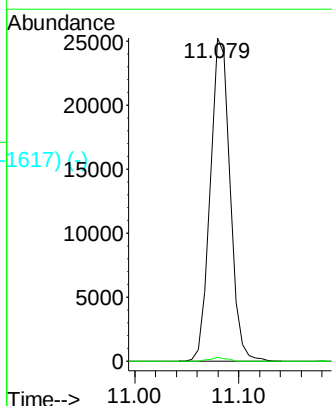
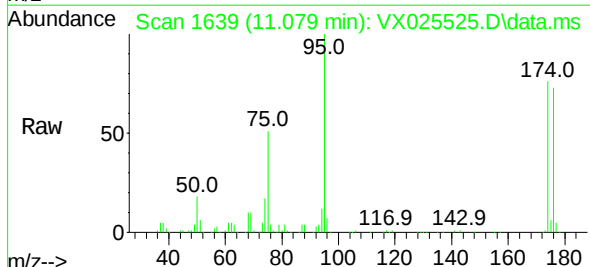
Acq: 04 Dec 2021 16:31

Tgt Ion: 75 Resp: 33314

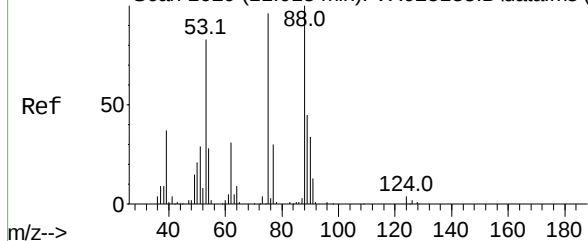
Ion Ratio Lower Upper

75 100

77 1.0 20.0 59.9#



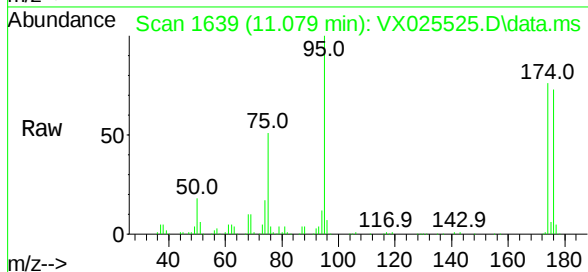
Abundance Scan 1629 (11.018 min): VX025183.D\data.ms (-1580) (-)



trans-1,4-Dichloro-2-butene
Concen: 60.93 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX025525.D
Acq: 04 Dec 2021 16:31

Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20211130

Tgt Ion: 75 Resp: 33314
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#



Abundance Scan 1639 (11.079 min): VX025525.D\data.ms (-1580) (-)

