

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080819\
 Data File : VX011395.D
 Acq On : 08 Aug 2019 17:54
 Operator : JC/SP
 Sample : K4251-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-TB-0819

Quant Time: Aug 09 04:26:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	148320	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	240440	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	227797	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	102363	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	87623	58.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.32%	
35) Dibromofluoromethane	5.49	113	79023	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
50) Toluene-d8	8.71	98	295919	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
62) 4-Bromofluorobenzene	11.13	95	100188	47.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.72%	

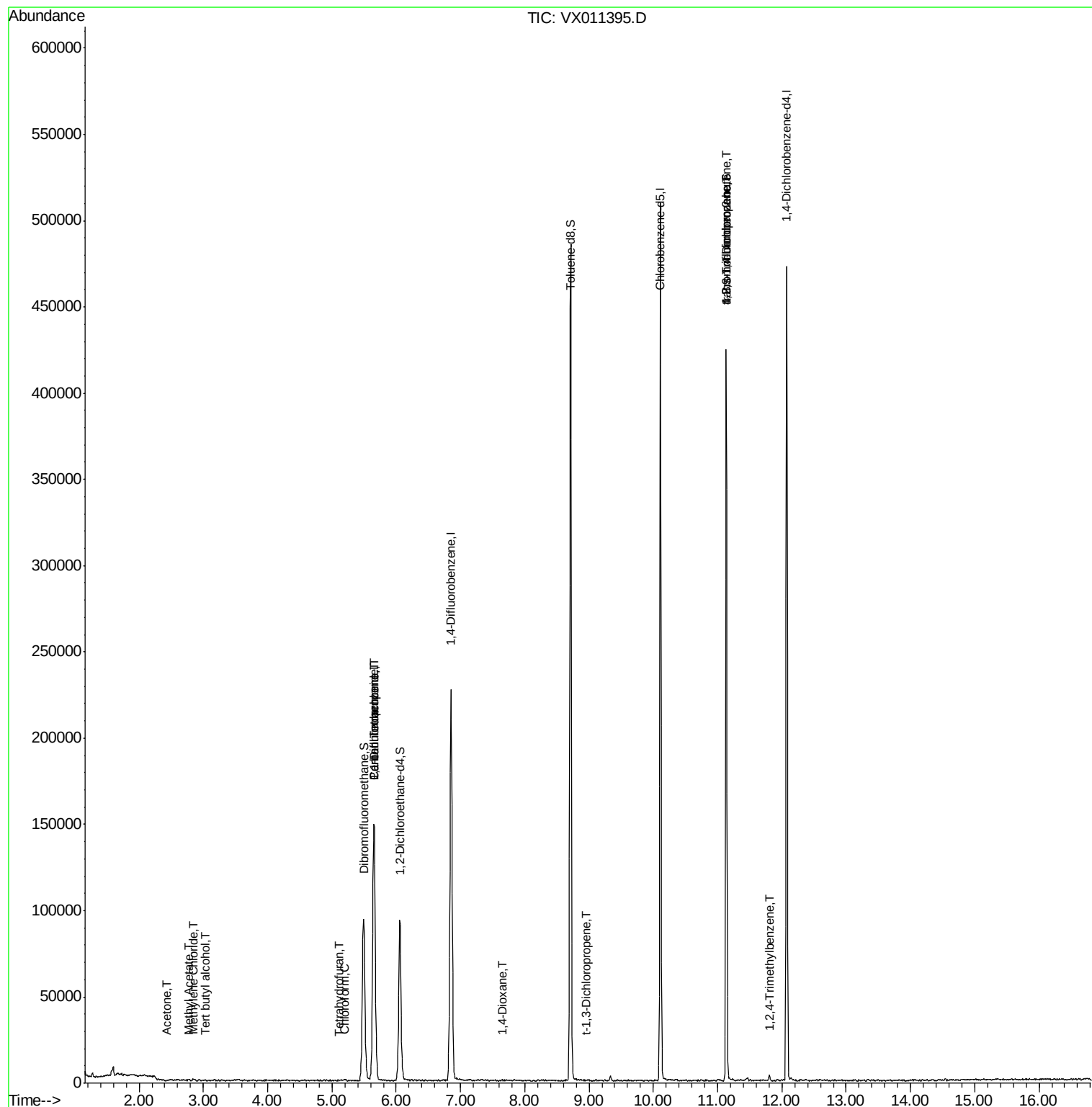
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.70	64	147	Below Cal	#	43
11) Tert butyl alcohol	3.03	59	155	0.543	ug/l #	47
13) Acrolein	2.29	56	20	Below Cal	#	1
16) Acetone	2.43	43	536	0.754	ug/l #	73
18) Methyl Acetate	2.77	43	425	0.262	ug/l #	77
20) Methylene Chloride	2.85	84	422	0.271	ug/l #	65
29) Tetrahydrofuran	5.12	42	136	0.219	ug/l #	39
30) Chloroform	5.21	83	576	0.227	ug/l #	69
36) 1,1-Dichloropropene	5.65	75	10316	4.914	ug/l #	48
38) Carbon Tetrachloride	5.65	117	14019	6.638	ug/l #	16
49) 1,4-Dioxane	7.64	88	31	0.675	ug/l #	1
53) t-1,3-Dichloropropene	8.95	75	76	2.869	ug/l #	43
76) 1,2,3-Trichloropropane	11.13	75	51192	27.461	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	51192	71.217	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	1496	0.256	ug/l	99

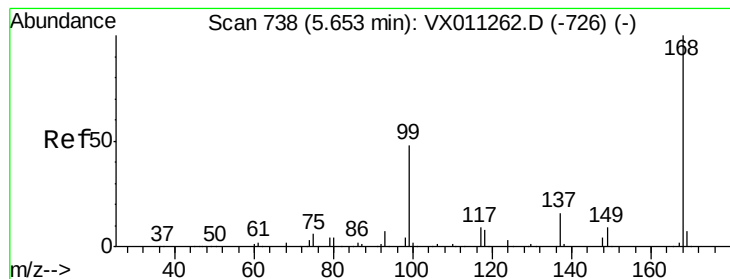
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011395.D

Acq: 08 Aug 2019 17:54

Instrument :

MSVOA_X

ClientSampleId :

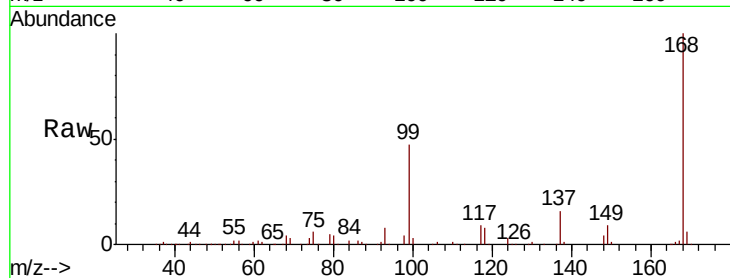
EP1-MW-TB-0819

Tgt Ion:168 Resp: 148320

Ion Ratio Lower Upper

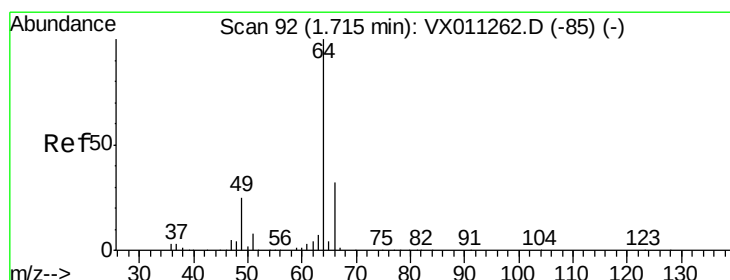
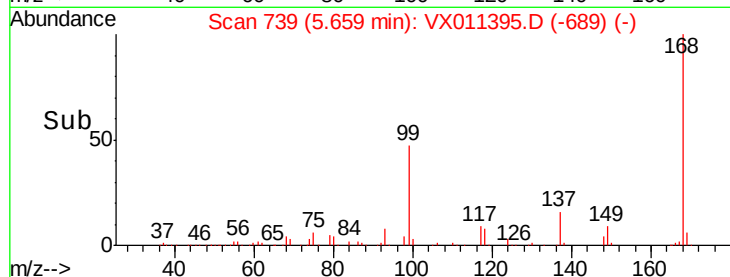
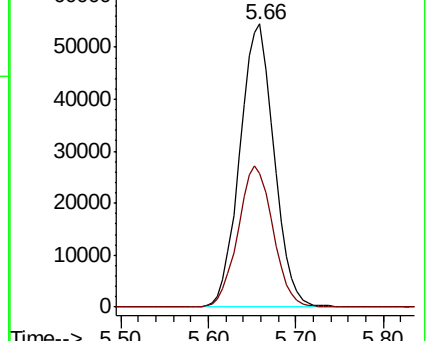
168 100

99 47.1 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX011395.D

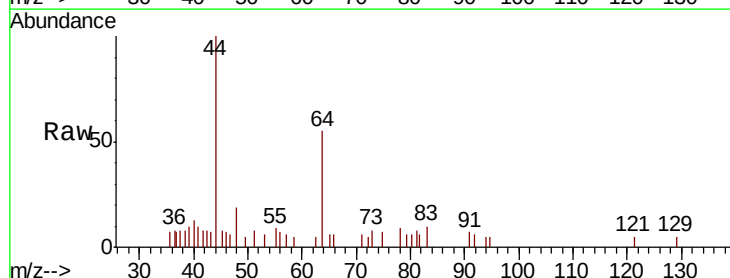
Acq: 08 Aug 2019 17:54

Tgt Ion: 64 Resp: 147

Ion Ratio Lower Upper

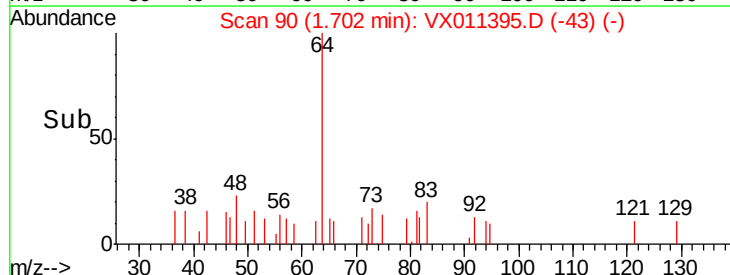
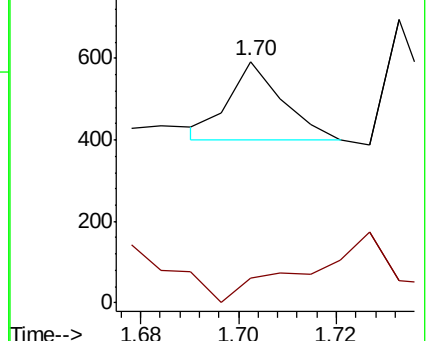
64 100

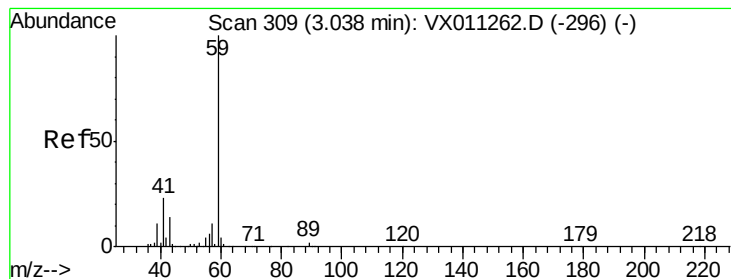
66 0.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#11

Tert butyl alcohol

Concen: 0.543 ug/l

RT: 3.03 min Scan# 308

Delta R.T. -0.01 min

Lab File: VX011395.D

Acq: 08 Aug 2019 17:54

Instrument :

MSVOA_X

ClientSampleId :

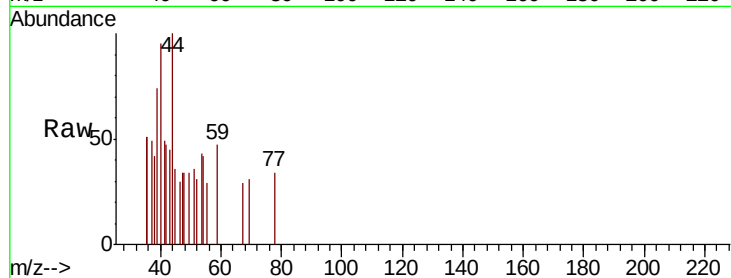
EP1-MW-TB-0819

Tgt Ion: 59 Resp: 155

Ion Ratio Lower Upper

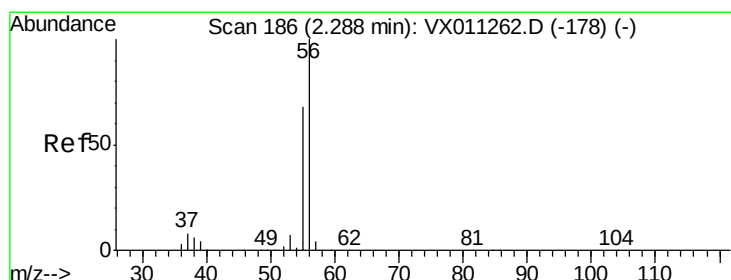
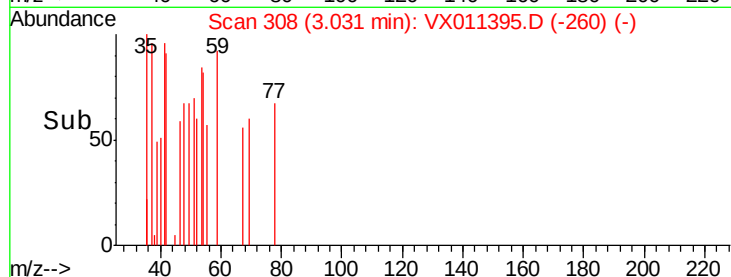
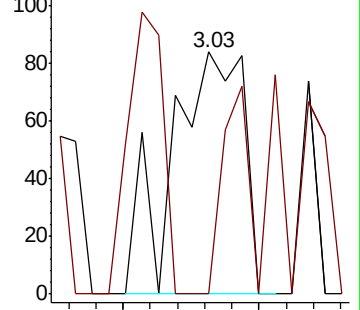
59 100

57 30.3 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011395.D

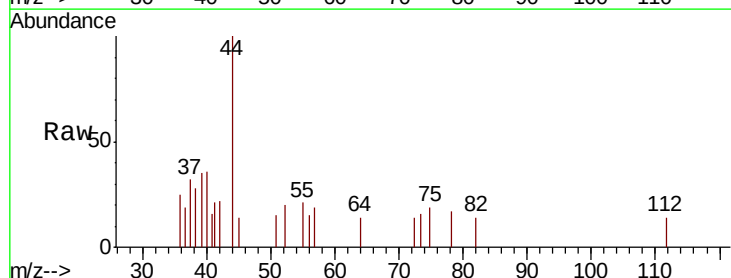
Acq: 08 Aug 2019 17:54

Tgt Ion: 56 Resp: 20

Ion Ratio Lower Upper

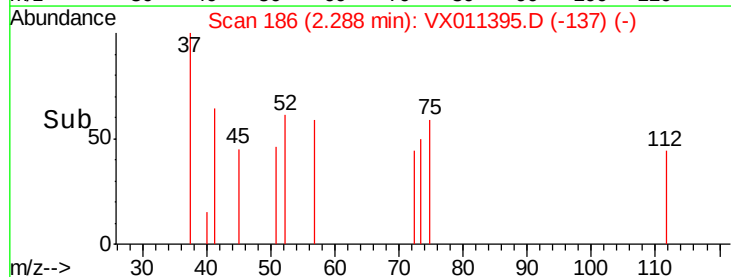
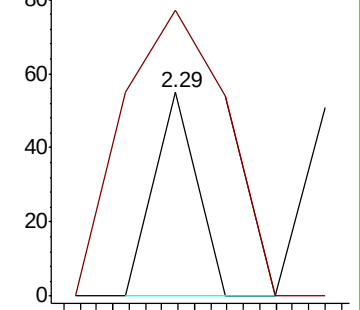
56 100

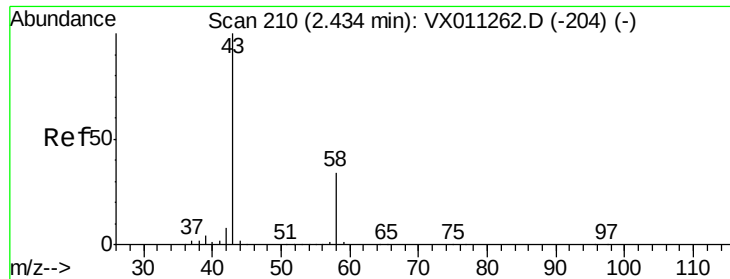
55 340.0 56.0 84.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 0.754 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011395.D

Acq: 08 Aug 2019 17:54

Instrument :

MSVOA_X

ClientSampleId :

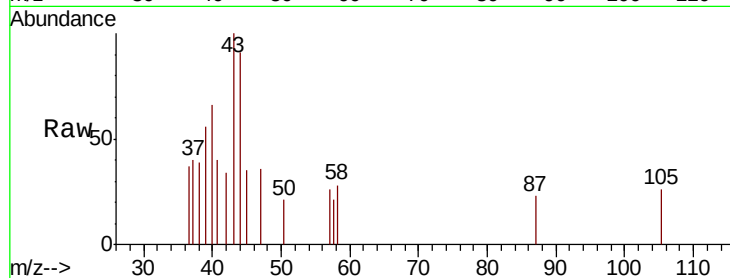
EP1-MW-TB-0819

Tgt Ion: 43 Resp: 536

Ion Ratio Lower Upper

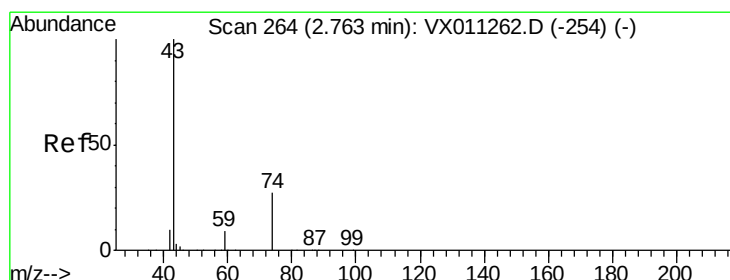
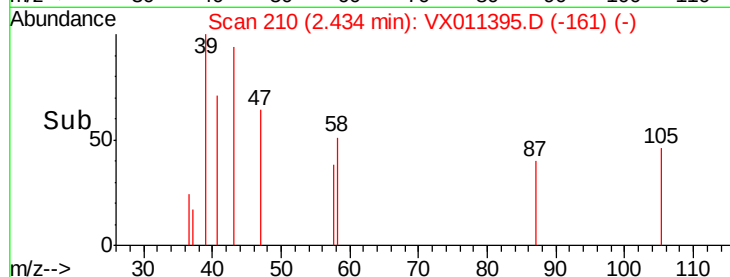
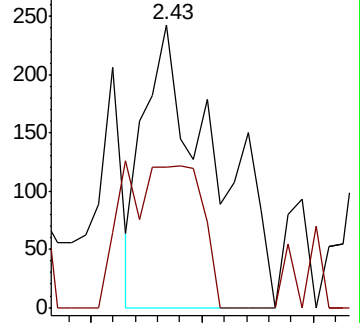
43 100

58 49.8 27.4 41.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.262 ug/l

RT: 2.77 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX011395.D

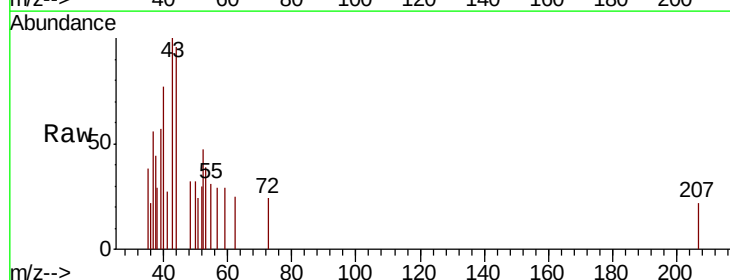
Acq: 08 Aug 2019 17:54

Tgt Ion: 43 Resp: 425

Ion Ratio Lower Upper

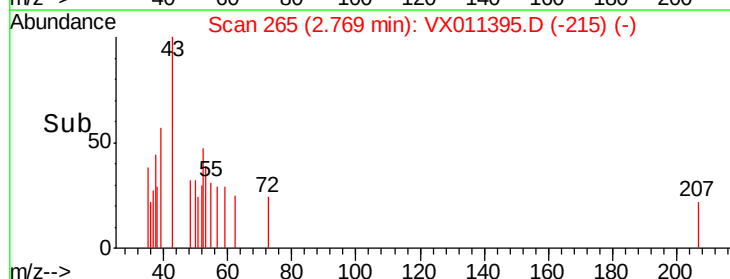
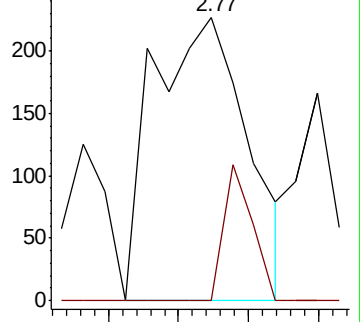
43 100

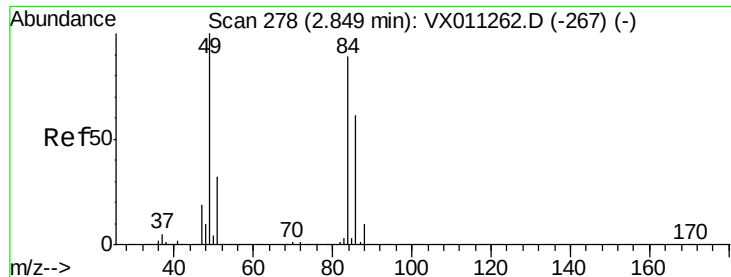
74 14.6 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methylene Chloride

Concen: 0.271 ug/l

RT: 2.85 min Scan# 278

Delta R.T. 0.00 min

Lab File: VX011395.D

Acq: 08 Aug 2019 17:54

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-TB-0819

Tgt Ion: 84 Resp: 422

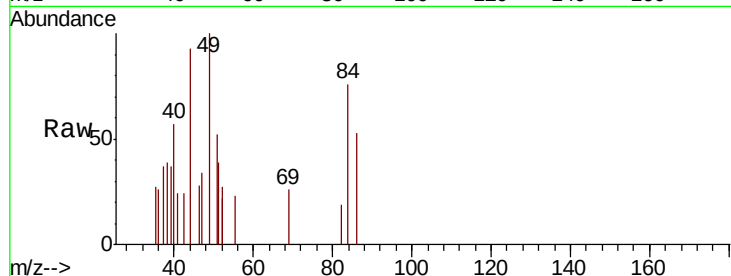
Ion Ratio Lower Upper

84 100

49 132.2 89.3 133.9

51 120.3 28.3 42.5#

86 69.8 54.5 81.7

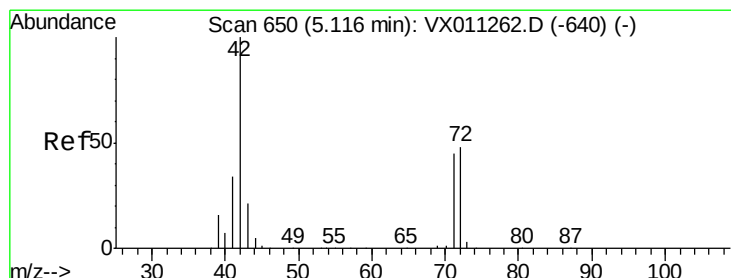
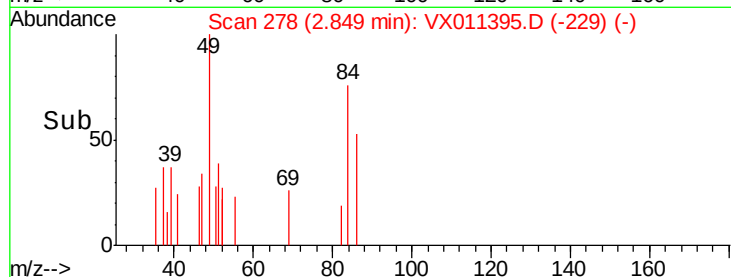
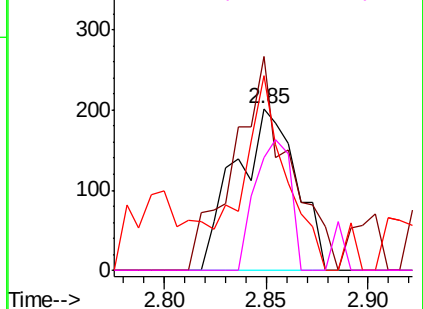


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#29

Tetrahydrofuran

Concen: 0.219 ug/l

RT: 5.12 min Scan# 650

Delta R.T. 0.00 min

Lab File: VX011395.D

Acq: 08 Aug 2019 17:54

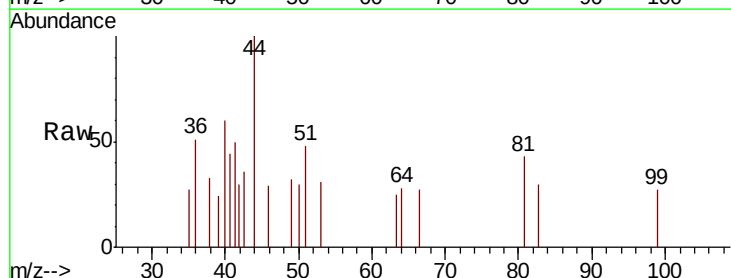
Tgt Ion: 42 Resp: 136

Ion Ratio Lower Upper

42 100

72 0.0 39.9 59.9#

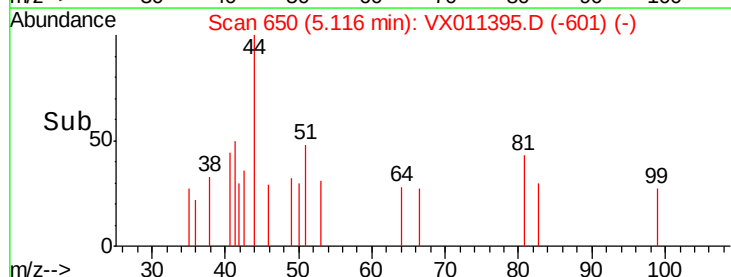
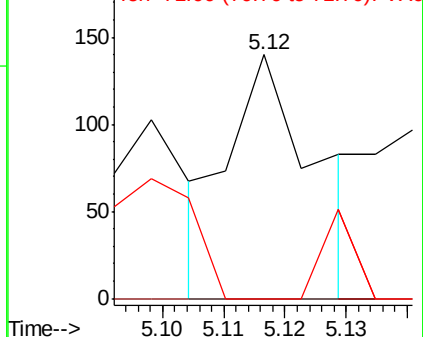
71 14.0 36.9 55.3#

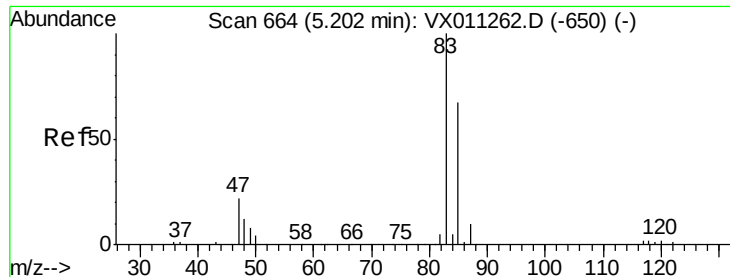


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

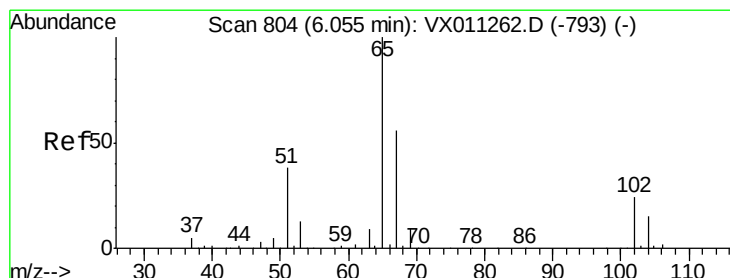
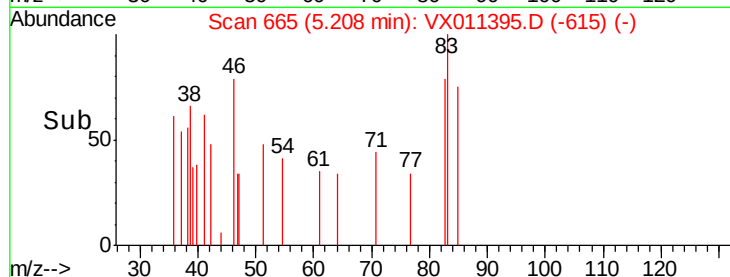
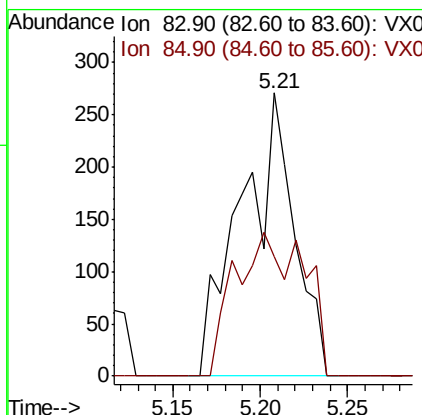
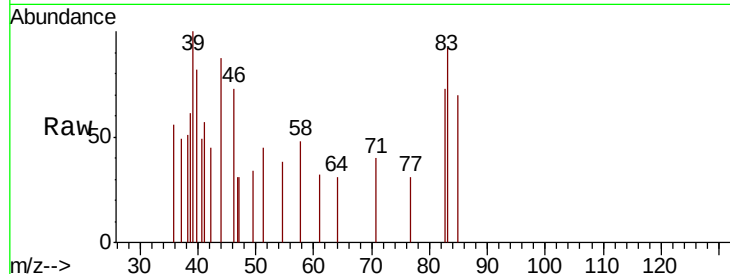




#30
Chloroform
Concen: 0.227 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.01 min
Lab File: VX011395.D
Acq: 08 Aug 2019 17:54

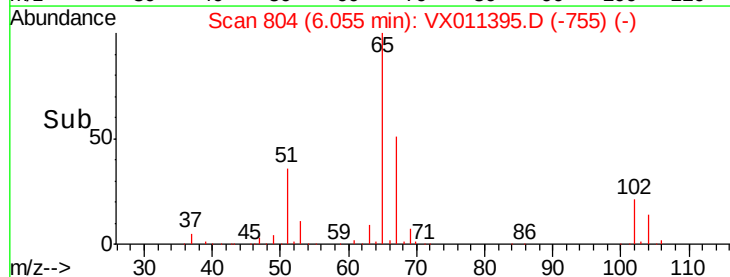
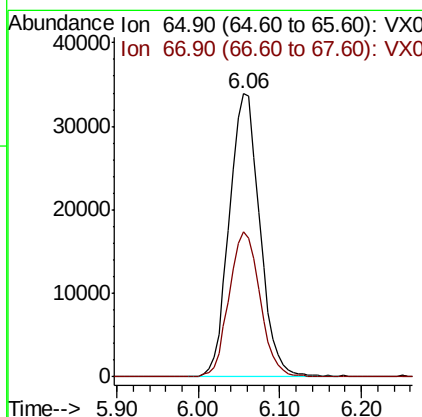
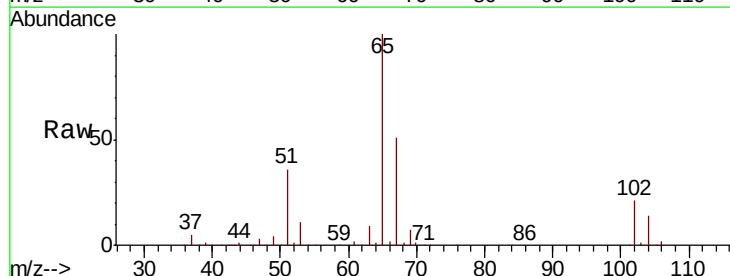
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-TB-0819

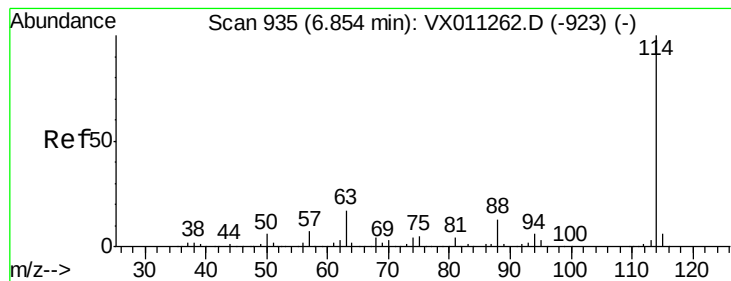
Tgt Ion: 83 Resp: 576
Ion Ratio Lower Upper
83 100
85 42.1 53.4 80.0#



#33
1,2-Dichloroethane-d4
Concen: 58.663 ug/l
RT: 6.06 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX011395.D
Acq: 08 Aug 2019 17:54

Tgt Ion: 65 Resp: 87623
Ion Ratio Lower Upper
65 100
67 52.0 0.0 110.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011395.D

Acq: 08 Aug 2019 17:54

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-TB-0819

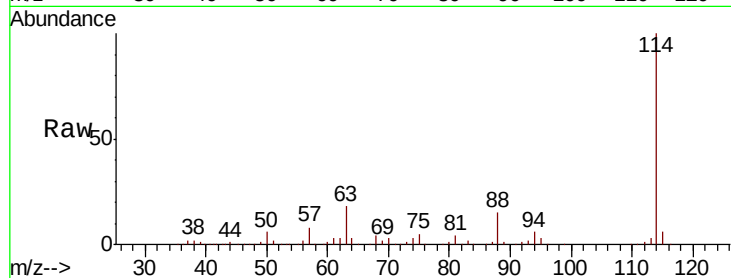
Tgt Ion:114 Resp: 240440

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.0

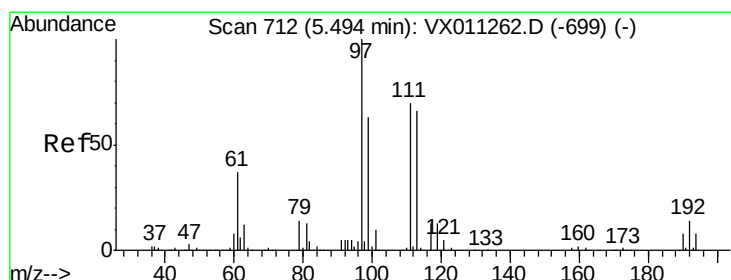
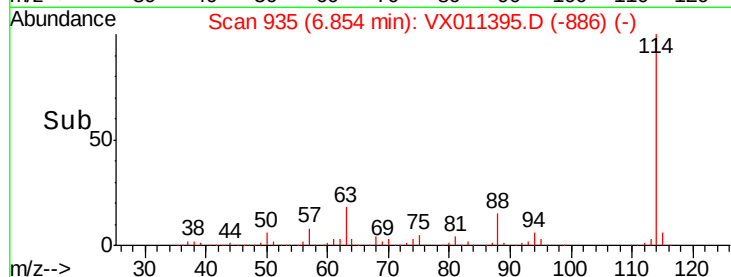
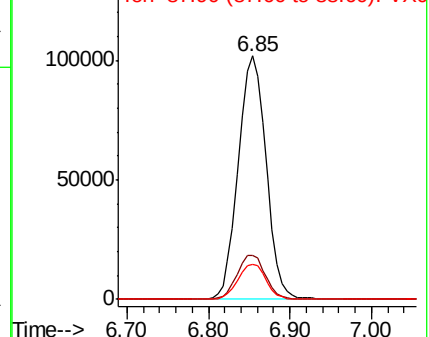
88 14.6 0.0 26.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 50.340 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011395.D

Acq: 08 Aug 2019 17:54

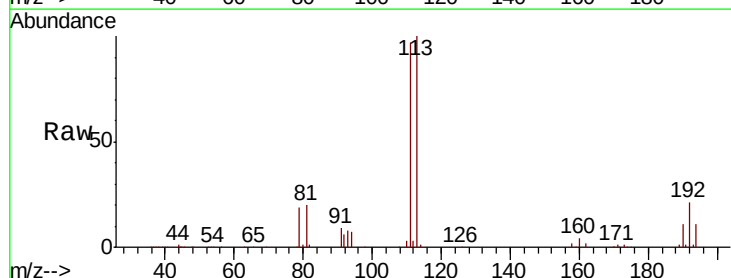
Tgt Ion:113 Resp: 79023

Ion Ratio Lower Upper

113 100

111 101.3 81.9 122.9

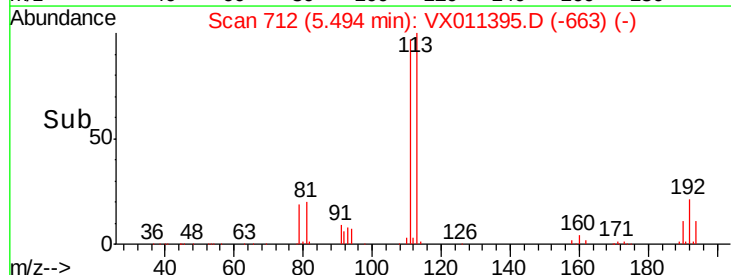
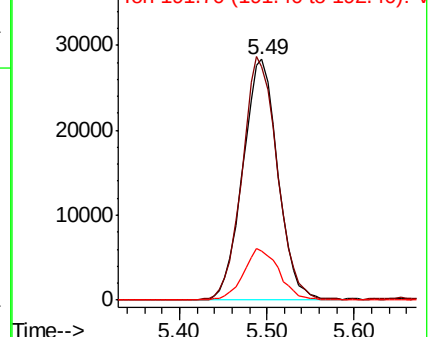
192 21.6 17.8 26.8

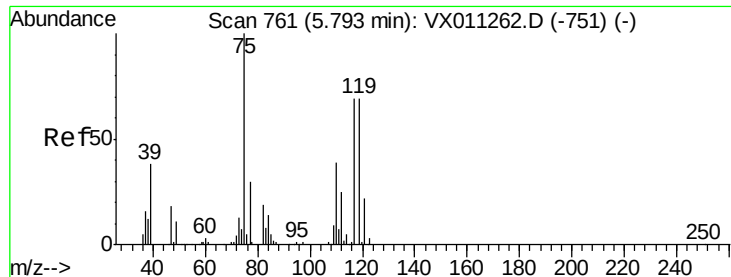


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

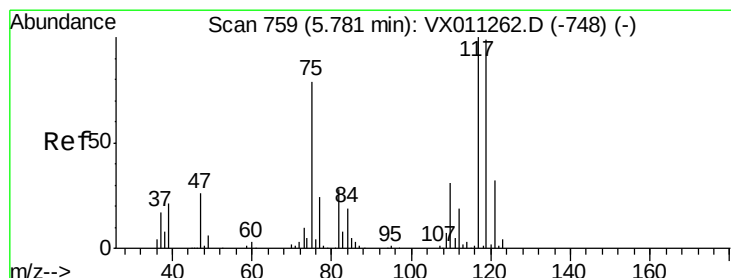
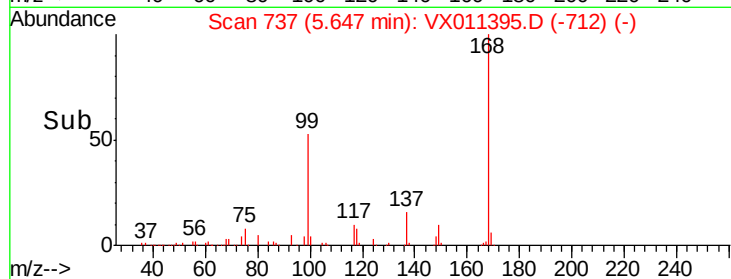
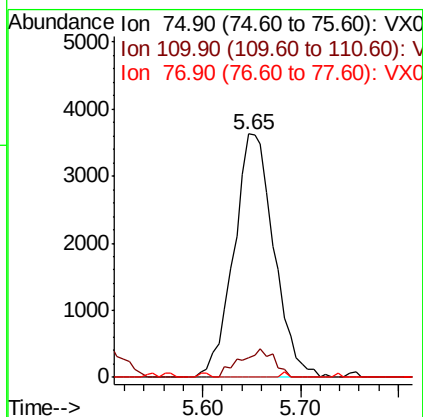
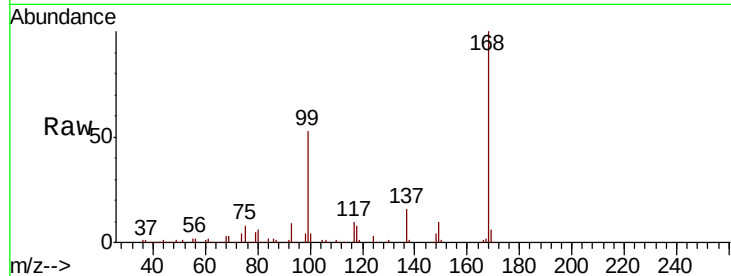




#36
 1,1-Dichloropropene
 Concen: 4.914 ug/l
 RT: 5.65 min Scan# 737
 Delta R.T. -0.15 min
 Lab File: VX011395.D
 Acq: 08 Aug 2019 17:54

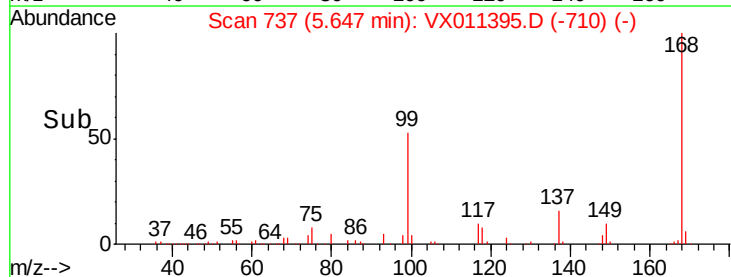
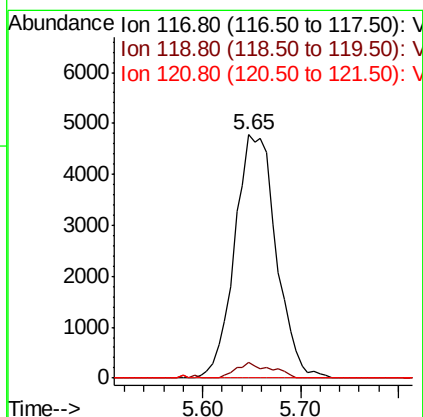
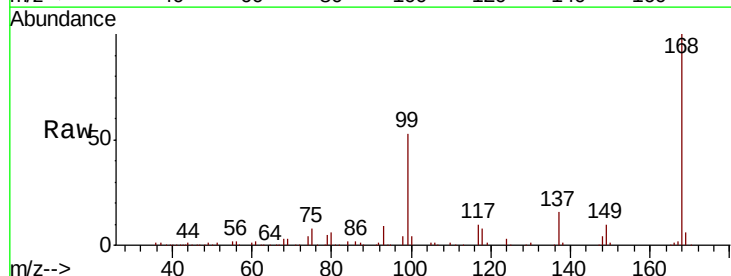
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-TB-0819

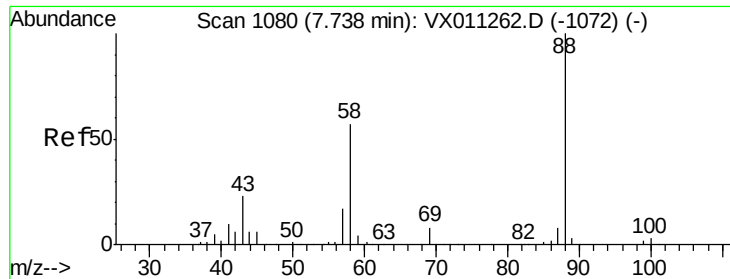
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.9	20.0	59.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.638 ug/l
 RT: 5.65 min Scan# 737
 Delta R.T. -0.13 min
 Lab File: VX011395.D
 Acq: 08 Aug 2019 17:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	79.0	118.4#
121	0.0	25.9	38.9#

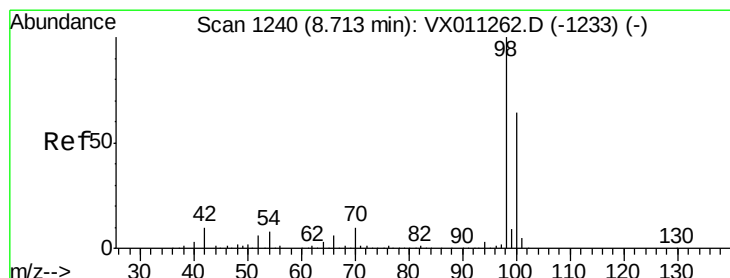
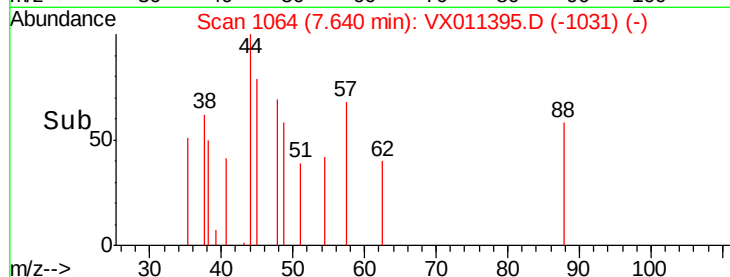
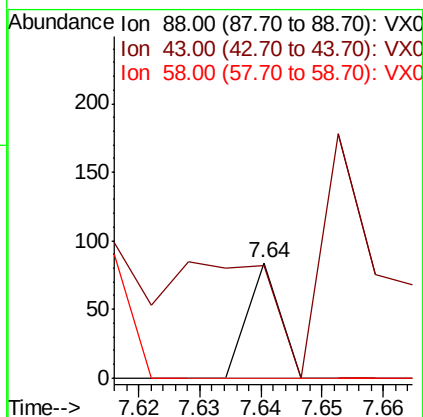
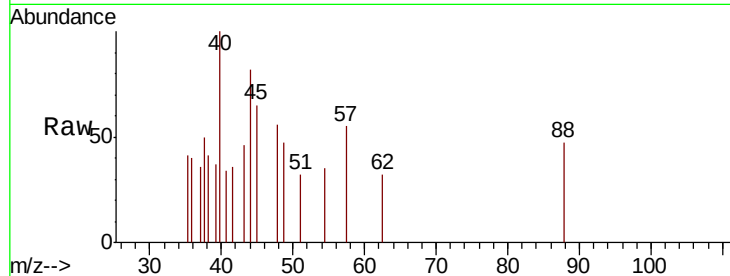




#49
1,4-Dioxane
Concen: 0.675 ug/l
RT: 7.64 min Scan# 1064
Delta R.T. -0.10 min
Lab File: VX011395.D
Acq: 08 Aug 2019 17:54

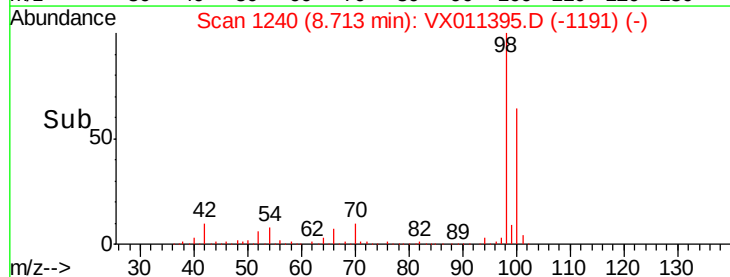
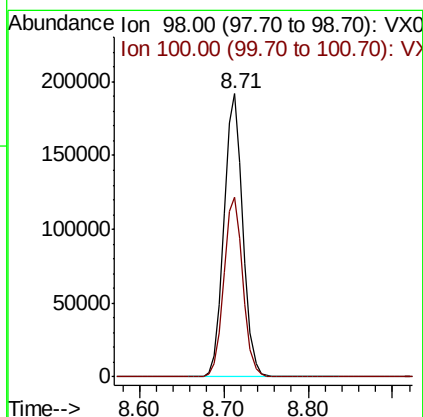
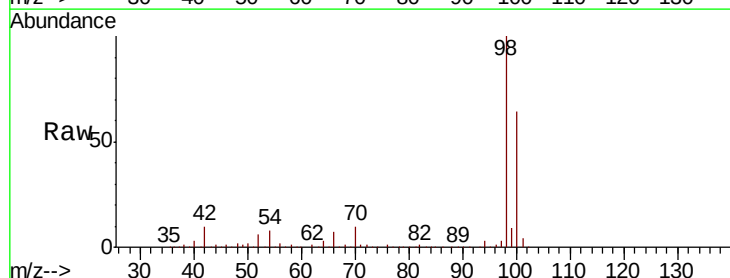
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-TB-0819

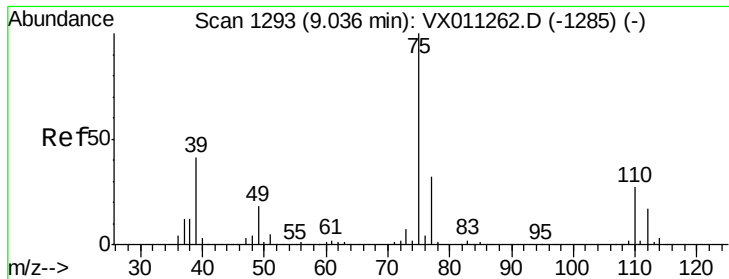
Tgt Ion: 88 Resp: 31
Ion Ratio Lower Upper
88 100
43 377.4 22.2 33.2#
58 0.0 47.8 71.8#



#50
Toluene-d8
Concen: 49.940 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011395.D
Acq: 08 Aug 2019 17:54

Tgt Ion: 98 Resp: 295919
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5

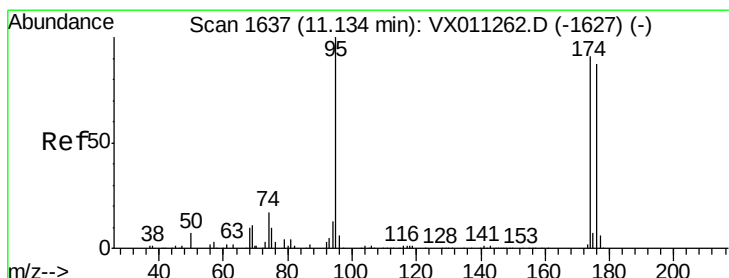
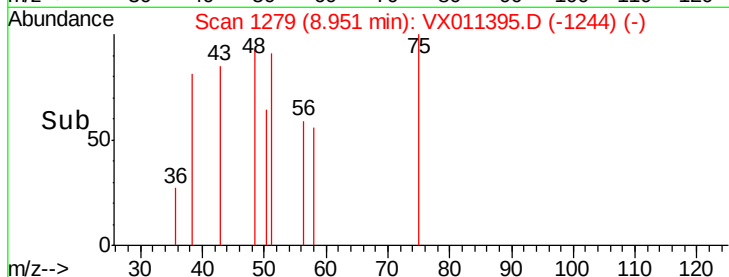
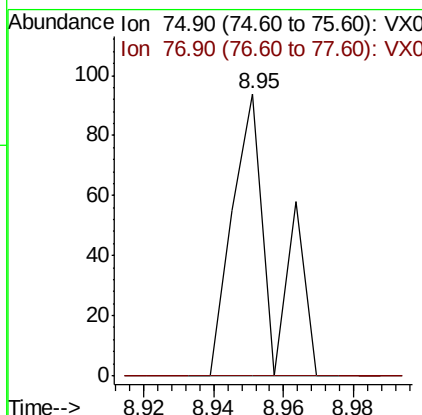
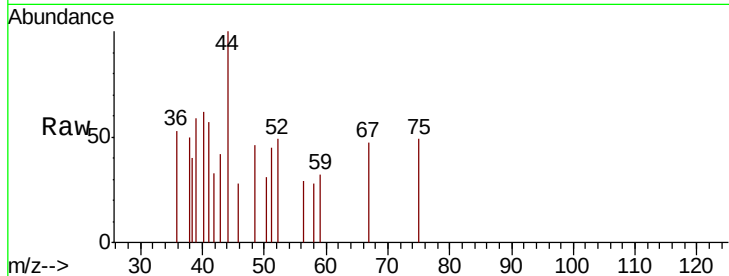




#53
t-1,3-Dichloropropene
Concen: 2.869 ug/l
RT: 8.95 min Scan# 1279
Delta R.T. -0.08 min
Lab File: VX011395.D
Acq: 08 Aug 2019 17:54

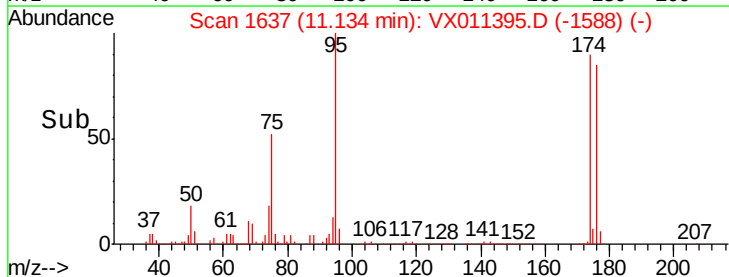
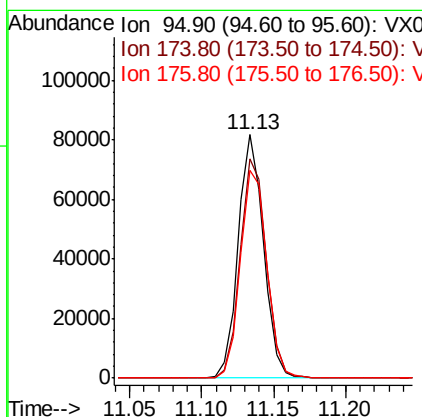
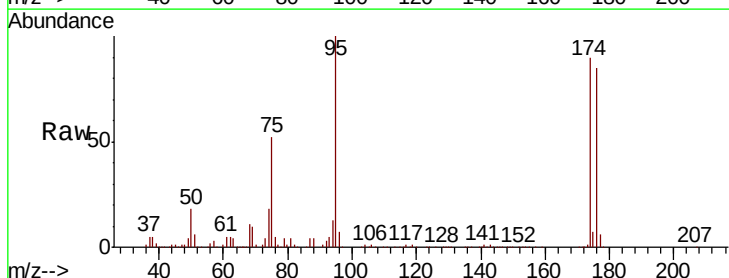
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-TB-0819

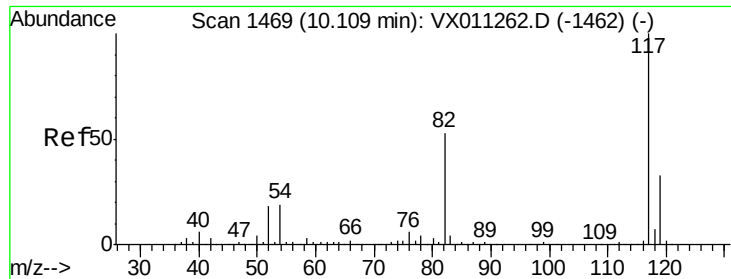
Tgt Ion: 75 Resp: 76
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#62
4-Bromofluorobenzene
Concen: 47.358 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011395.D
Acq: 08 Aug 2019 17:54

Tgt Ion: 95 Resp: 100188
Ion Ratio Lower Upper
95 100
174 92.9 0.0 191.2
176 88.9 0.0 184.8

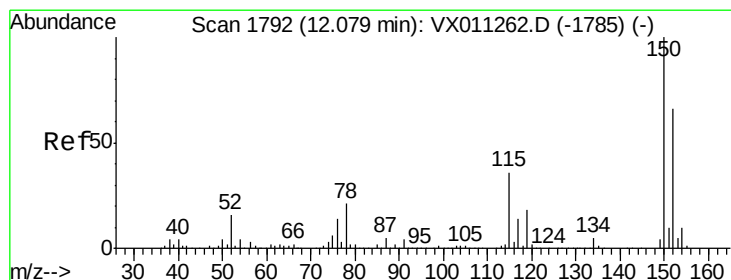
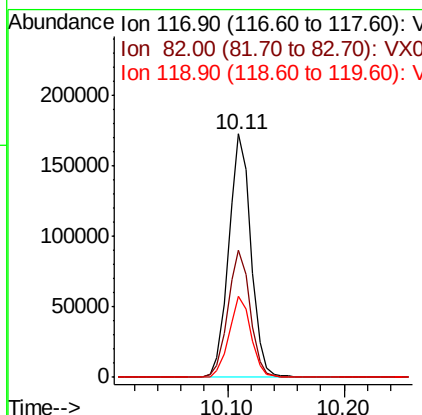
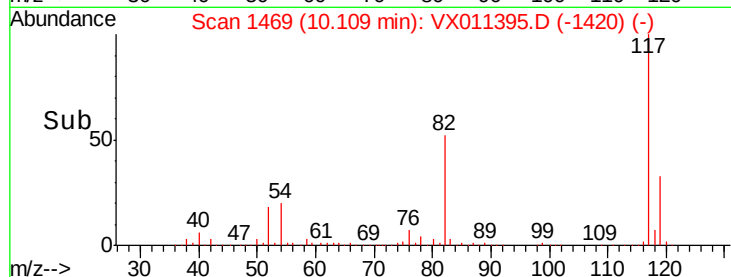
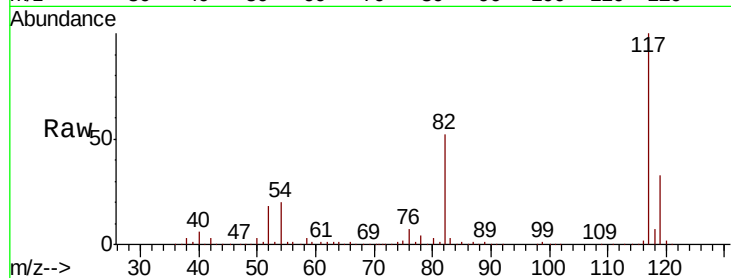




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011395.D
Acq: 08 Aug 2019 17:54

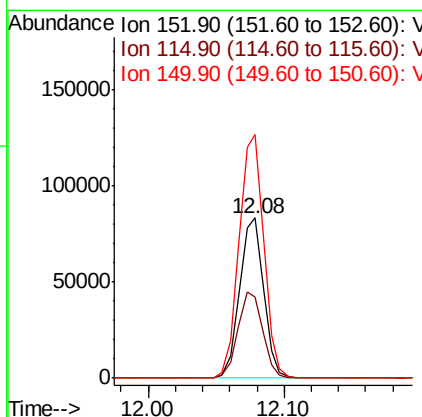
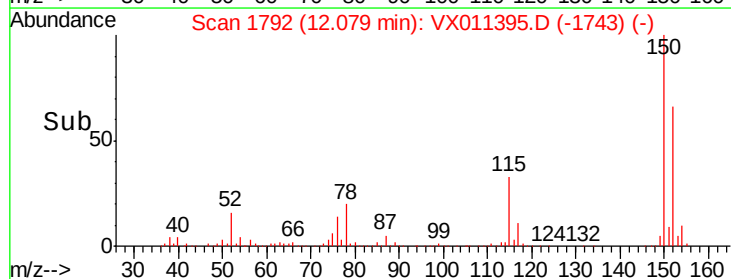
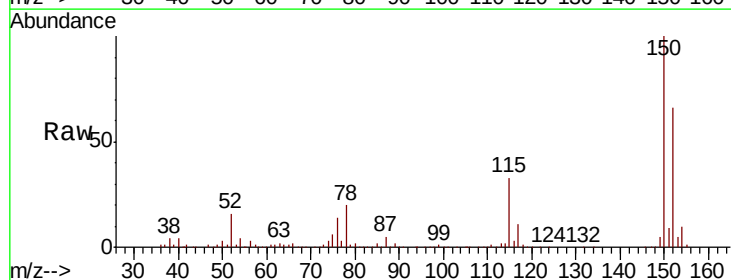
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-TB-0819

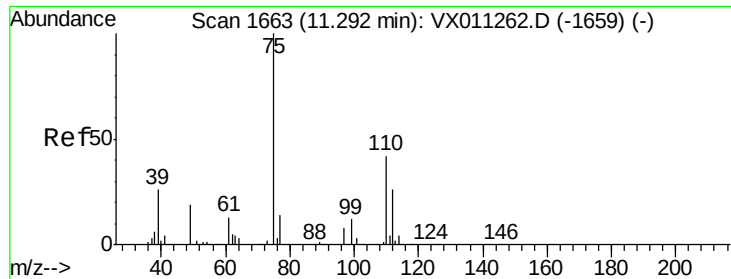
Tgt Ion:117 Resp: 227797
Ion Ratio Lower Upper
117 100
82 52.1 42.2 63.2
119 33.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX011395.D
Acq: 08 Aug 2019 17:54

Tgt Ion:152 Resp: 102363
Ion Ratio Lower Upper
152 100
115 55.3 40.0 119.9
150 156.6 0.0 350.4

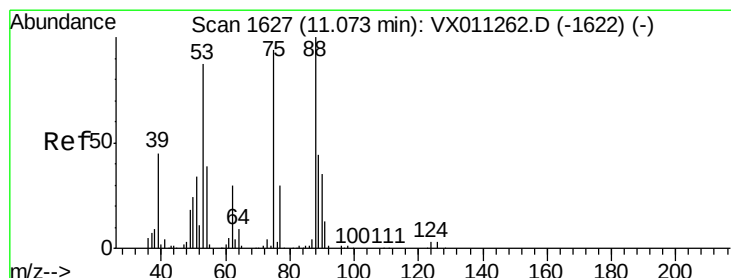
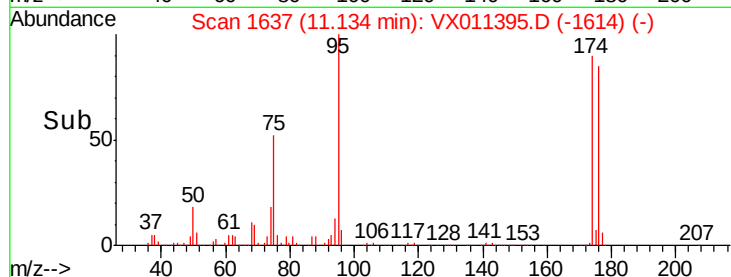
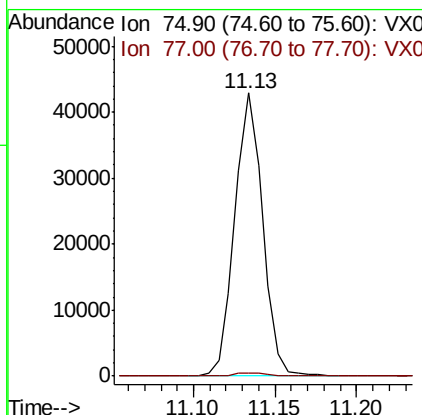
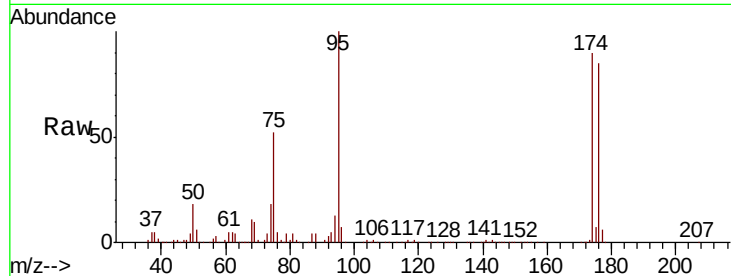




#76
 1,2,3-Trichloropropane
 Concen: 27.461 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011395.D
 Acq: 08 Aug 2019 17:54

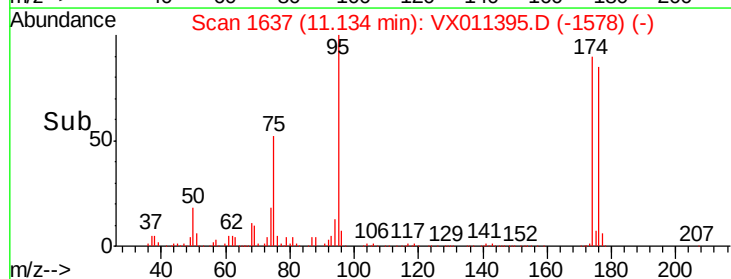
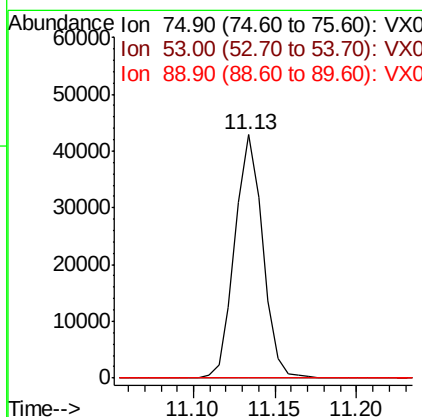
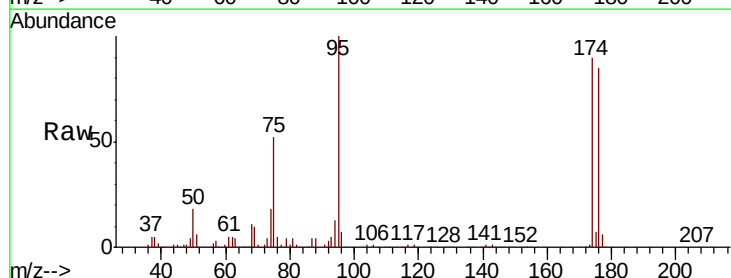
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-TB-0819

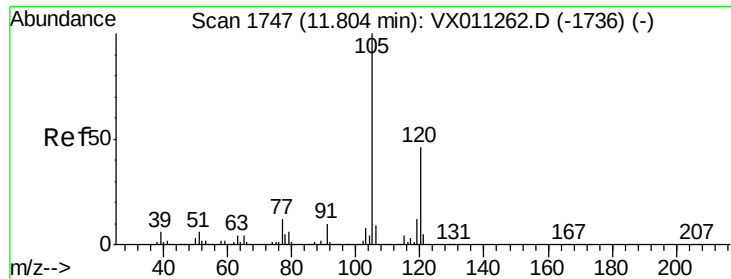
Tgt Ion: 75 Resp: 51192
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.1 63.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.217 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011395.D
 Acq: 08 Aug 2019 17:54

Tgt Ion: 75 Resp: 51192
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.2 117.4#
 89 0.1 37.9 56.9#





#84
 1,2,4-Trimethylbenzene
 Concen: 0.256 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011395.D
 Acq: 08 Aug 2019 17:54

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-TB-0819

Tgt Ion:105 Resp: 1496
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.0 69.0

