

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080119\
 Data File : VX011286.D
 Acq On : 02 Aug 2019 02:21
 Operator : JC/SP
 Sample : K4118-19
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ157I-20190731

Quant Time: Aug 02 03:53:05 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	129253	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	208000	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	197473	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	90483	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	68896	52.93	ug/l	0.00
Spiked Amount			Recovery	=	105.86%	
35) Dibromofluoromethane	5.49	113	66759	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
50) Toluene-d8	8.71	98	254543	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
62) 4-Bromofluorobenzene	11.13	95	83553	45.65	ug/l	0.00
Spiked Amount			Recovery	=	91.30%	

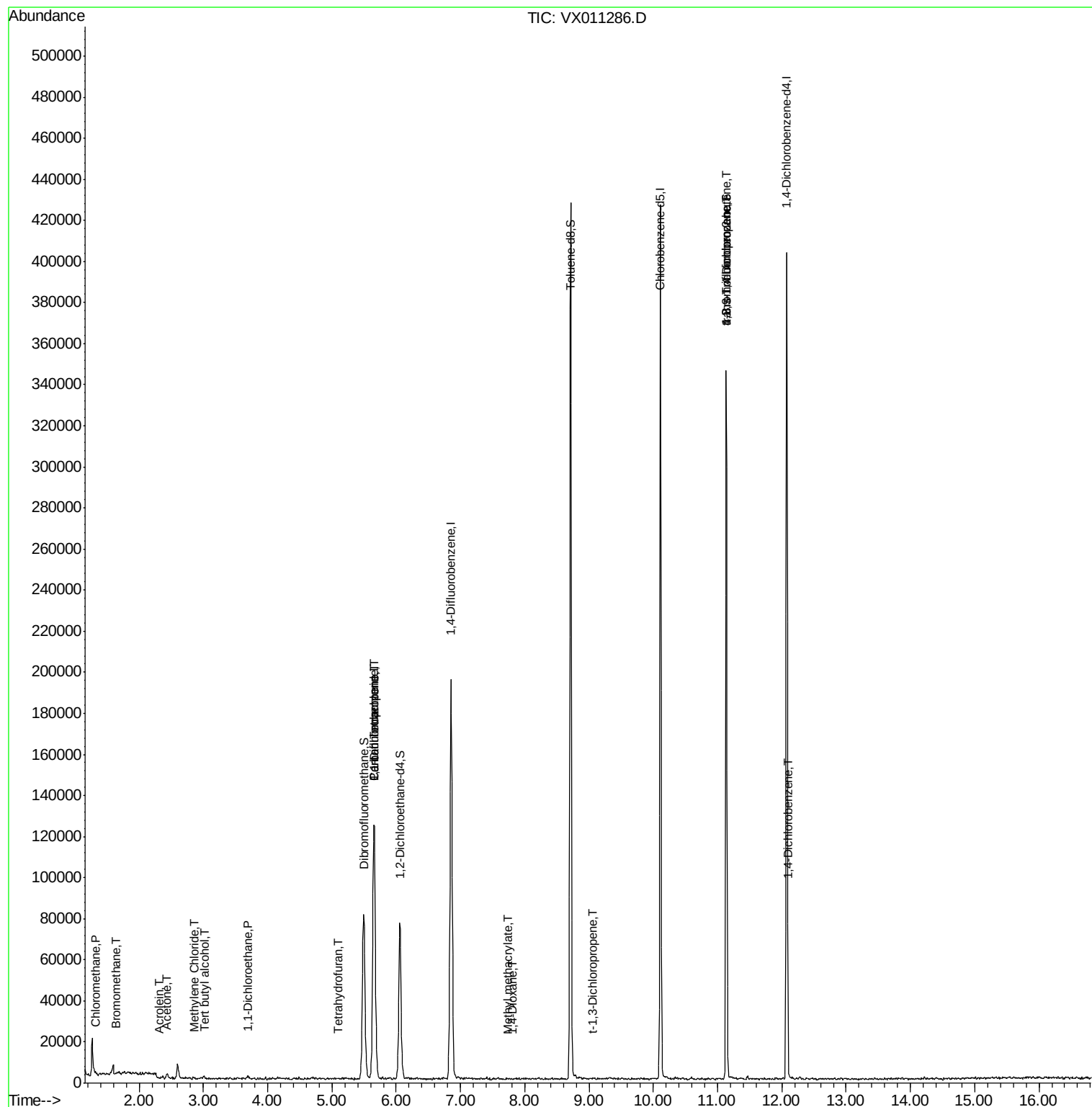
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1137	1.014	ug/l	93
5) Bromomethane	1.64	94	215	0.244	ug/l #	72
6) Chloroethane	1.70	64	416	Below Cal	#	88
11) Tert butyl alcohol	3.01	59	733	2.847	ug/l #	72
13) Acrolein	2.32	56	184	0.720	ug/l #	15
16) Acetone	2.43	43	3010	4.858	ug/l	99
20) Methylene Chloride	2.85	84	314	0.231	ug/l #	70
24) 1,1-Dichloroethane	3.68	63	1617	0.796	ug/l #	80
29) Tetrahydrofuran	5.10	42	167	0.309	ug/l #	38
36) 1,1-Dichloropropene	5.66	75	8563	4.715	ug/l #	47
38) Carbon Tetrachloride	5.65	117	11446	6.265	ug/l #	14
48) Methyl methacrylate	7.74	41	351	0.256	ug/l #	37
49) 1,4-Dioxane	7.81	88	19	0.478	ug/l #	1
53) t-1,3-Dichloropropene	9.05	75	46	2.860	ug/l #	43
76) 1,2,3-Trichloropropane	11.13	75	41035	24.903	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	41035	65.004	ug/l #	10
88) 1,4-Dichlorobenzene	12.10	146	706	0.226	ug/l #	26

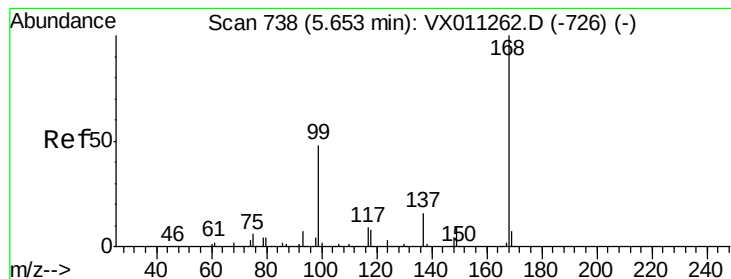
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011286.D

Acq: 02 Aug 2019 02:21

Instrument :

MSVOA_X

ClientSampleId :

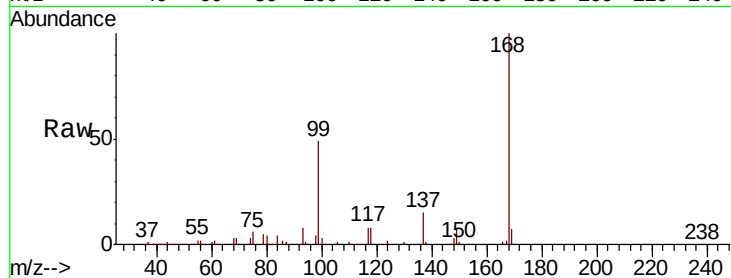
SA-PZ157I-20190731

Tot Ion:168 Resp: 129253

Ion Ratio Lower Upper

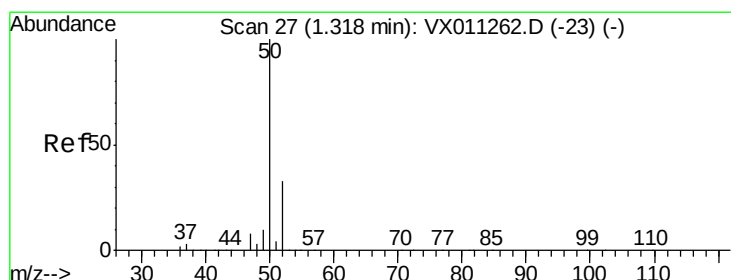
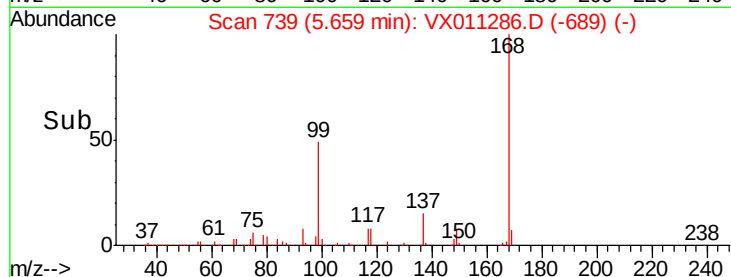
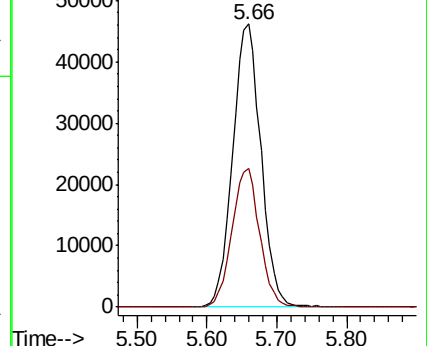
168 100

99 48.8 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 1.014 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX011286.D

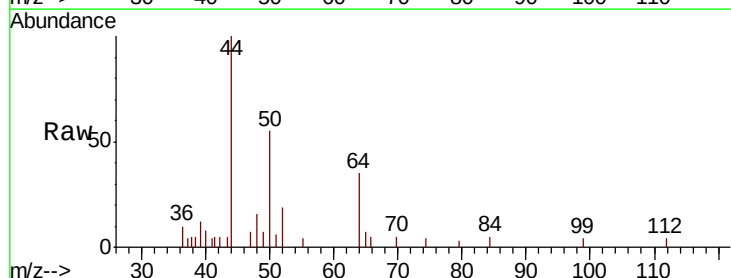
Acq: 02 Aug 2019 02:21

Tgt Ion: 50 Resp: 1137

Ion Ratio Lower Upper

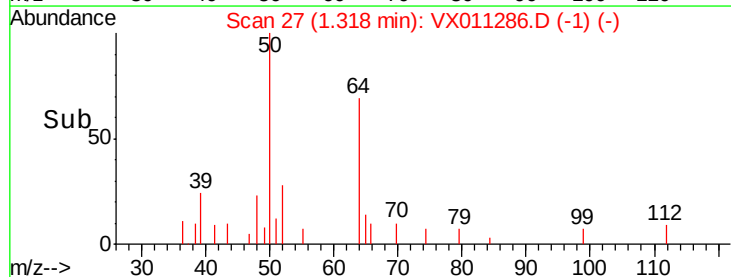
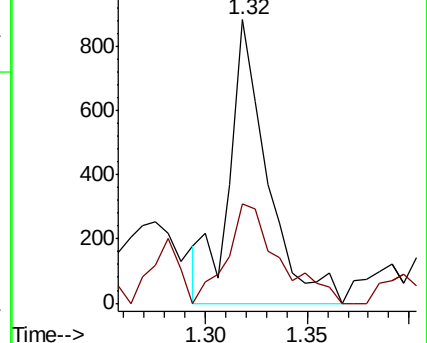
50 100

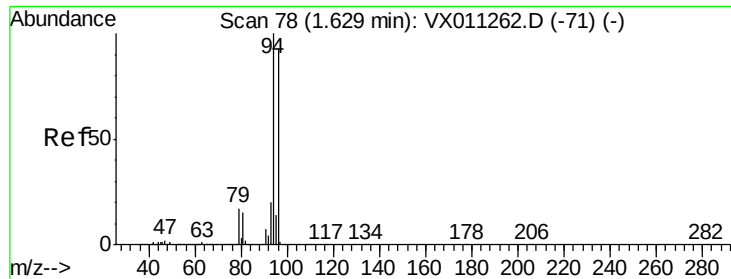
52 37.1 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.244 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.01 min

Lab File: VX011286.D

Acq: 02 Aug 2019 02:21

Instrument :

MSVOA_X

ClientSampleId :

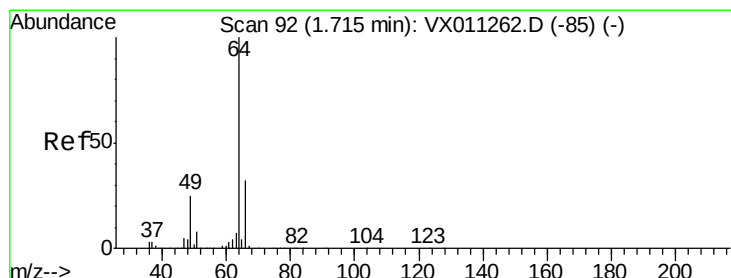
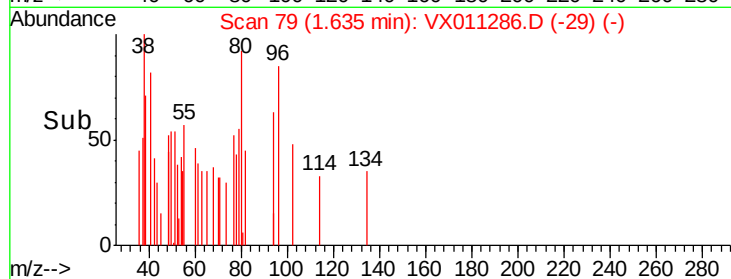
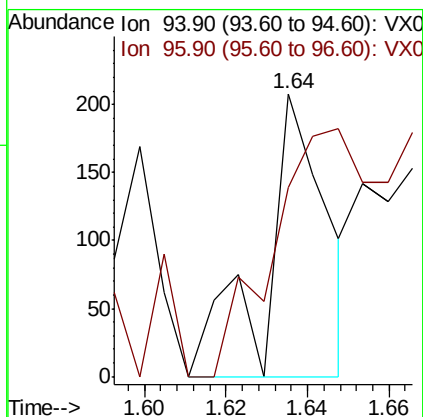
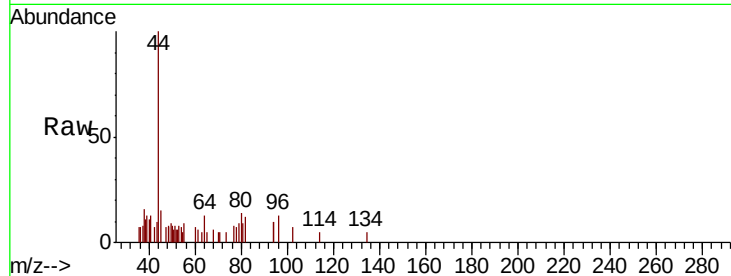
SA-PZ157I-20190731

Tot Ion: 94 Resp: 215

Ion Ratio Lower Upper

94 100

96 66.8 74.6 112.0#



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX011286.D

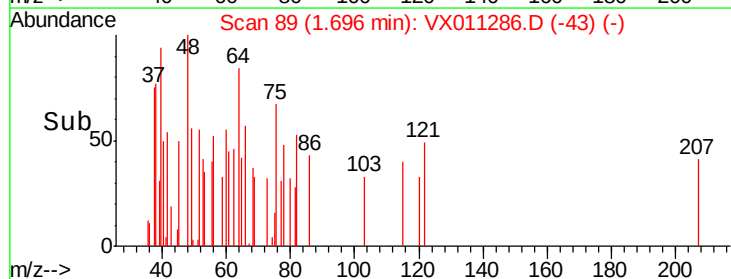
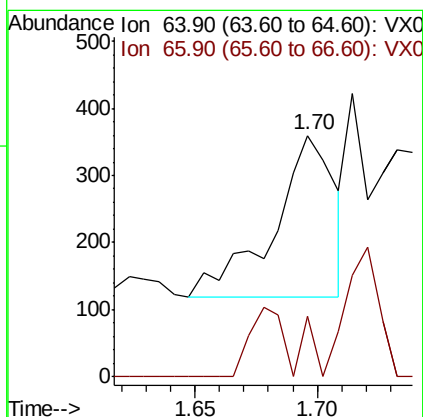
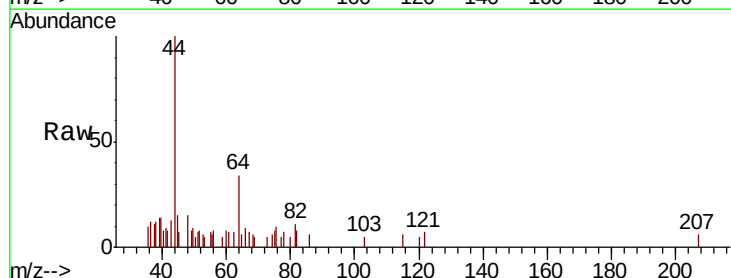
Acq: 02 Aug 2019 02:21

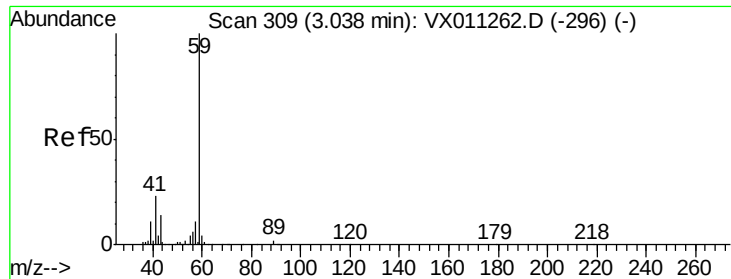
Tgt Ion: 64 Resp: 416

Ion Ratio Lower Upper

64 100

66 37.8 25.1 37.7#

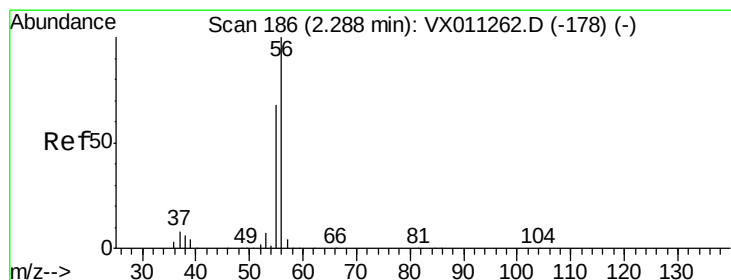
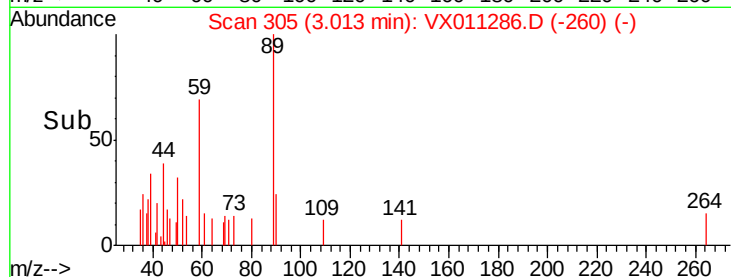
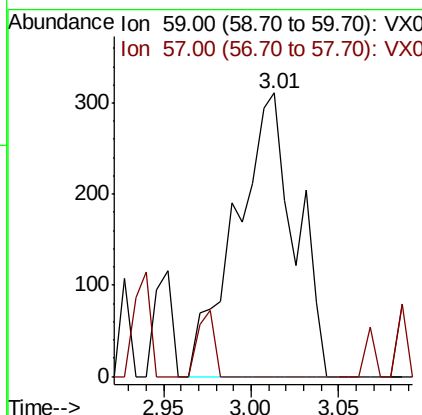
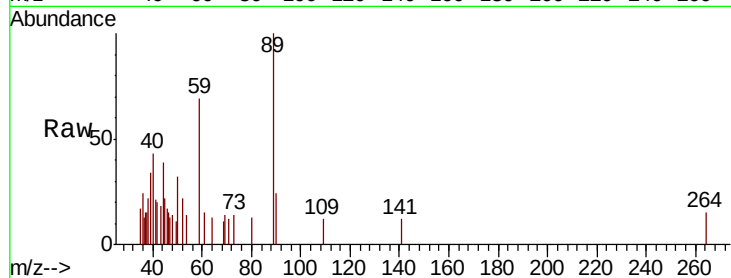




#11
Tert butyl alcohol
Concen: 2.847 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.02 min
Lab File: VX011286.D
Acq: 02 Aug 2019 02:21

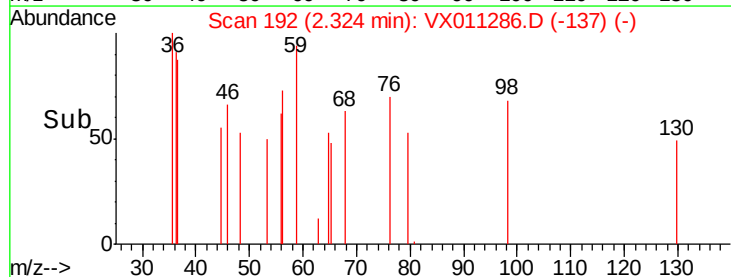
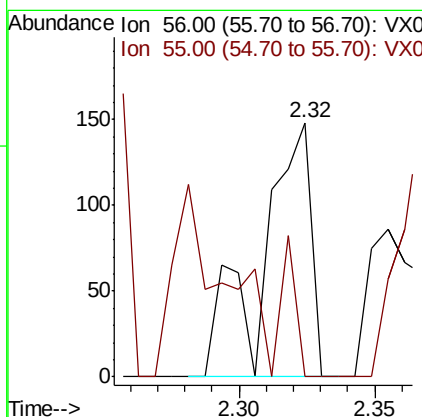
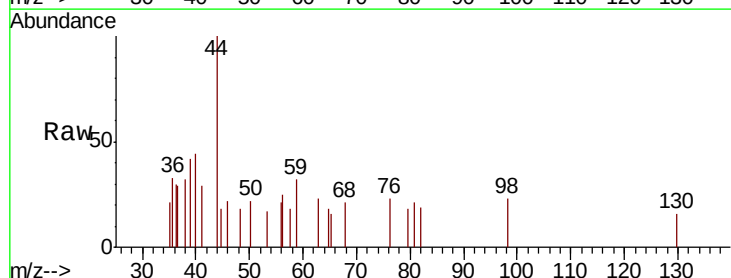
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ1571-20190731

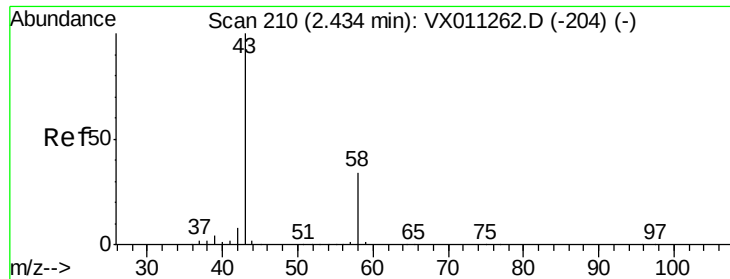
Tot Ion: 59 Resp: 733
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.720 ug/l
RT: 2.32 min Scan# 192
Delta R.T. 0.04 min
Lab File: VX011286.D
Acq: 02 Aug 2019 02:21

Tgt Ion: 56 Resp: 184
Ion Ratio Lower Upper
56 100
55 0.0 56.0 84.0#





#16

Acetone

Concen: 4.858 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011286.D

Acq: 02 Aug 2019 02:21

Instrument :

MSVOA_X

ClientSampleId :

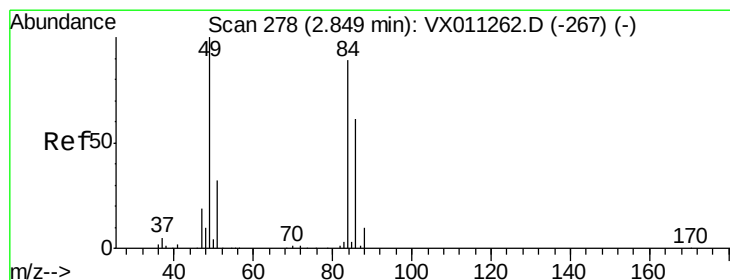
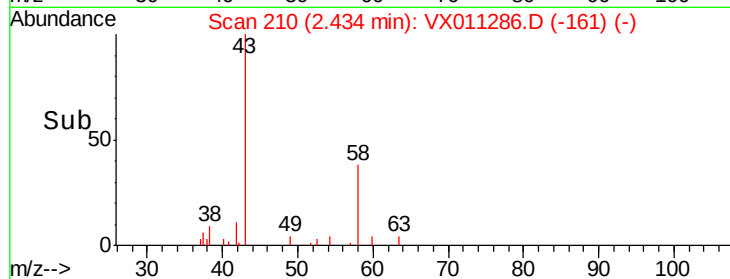
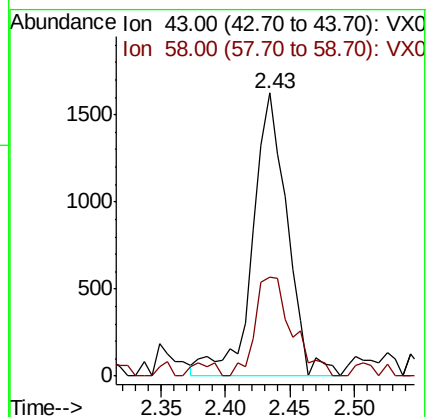
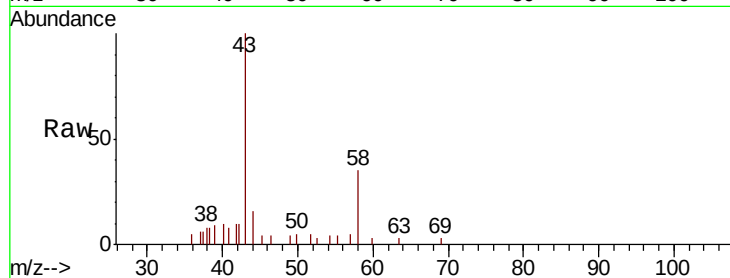
SA-PZ157I-20190731

Tot Ion: 43 Resp: 3010

Ion Ratio Lower Upper

43 100

58 35.0 27.4 41.0



#20

Methylene Chloride

Concen: 0.231 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.01 min

Lab File: VX011286.D

Acq: 02 Aug 2019 02:21

Tgt Ion: 84 Resp: 314

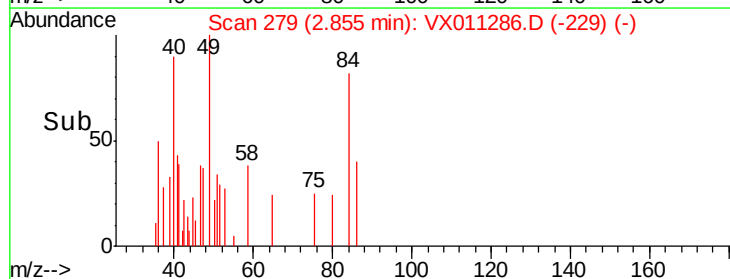
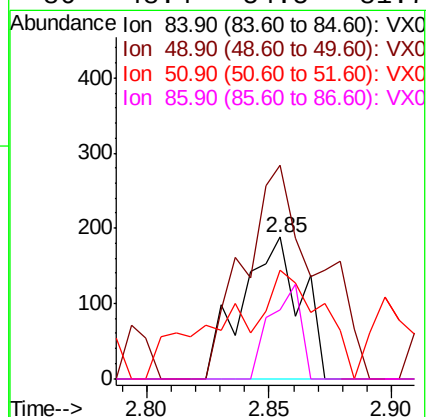
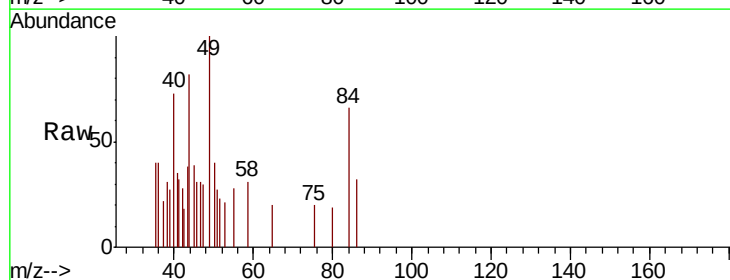
Ion Ratio Lower Upper

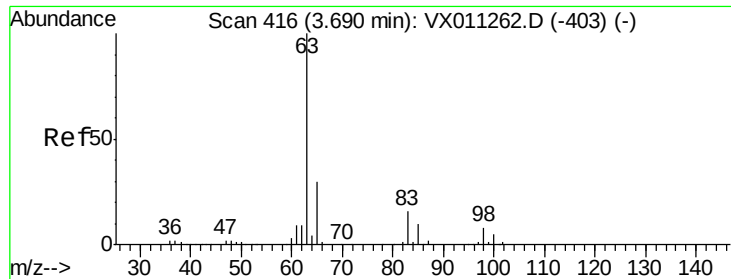
84 100

49 151.1 89.3 133.9#

51 47.3 28.3 42.5#

86 48.4 54.5 81.7#





#24

1,1-Dichloroethane

Concen: 0.796 ug/l

RT: 3.68 min Scan# 415

Delta R.T. -0.01 min

Lab File: VX011286.D

Acq: 02 Aug 2019 02:21

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ157I-20190731

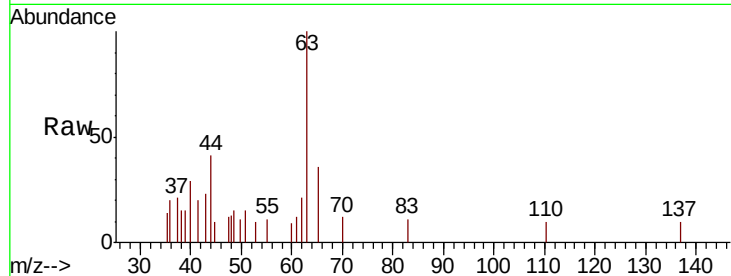
Tot Ion: 63 Resp: 1617

Ion Ratio Lower Upper

63 100

98 0.0 3.9 11.5#

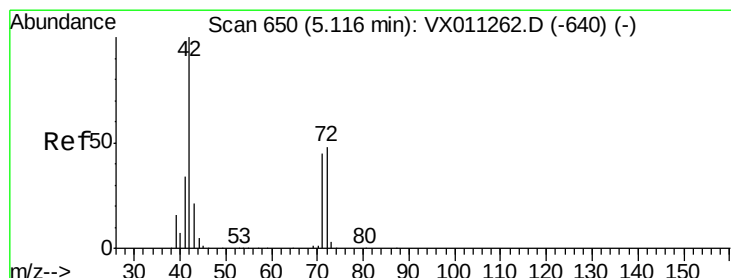
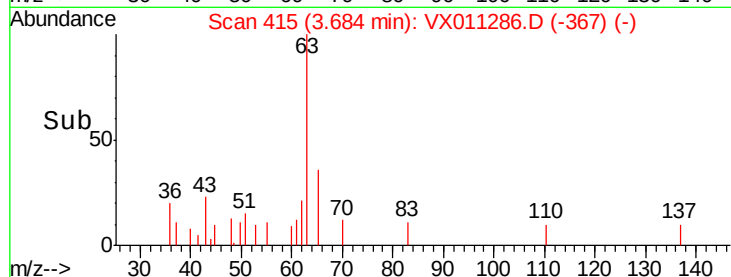
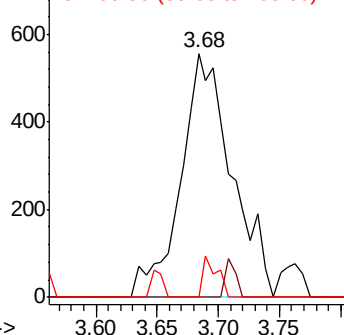
100 0.0 2.7 8.1#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#29

Tetrahydrofuran

Concen: 0.309 ug/l

RT: 5.10 min Scan# 647

Delta R.T. -0.02 min

Lab File: VX011286.D

Acq: 02 Aug 2019 02:21

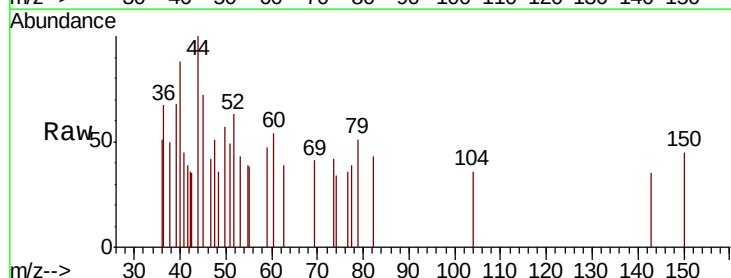
Tgt Ion: 42 Resp: 167

Ion Ratio Lower Upper

42 100

72 0.0 39.9 59.9#

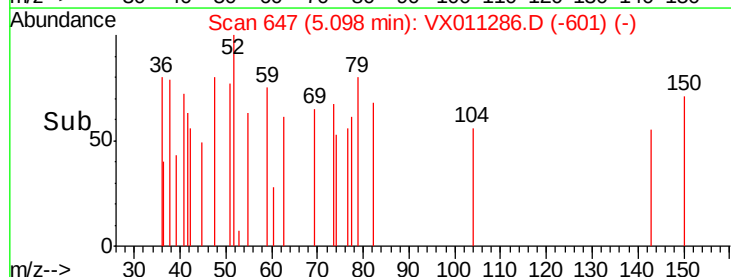
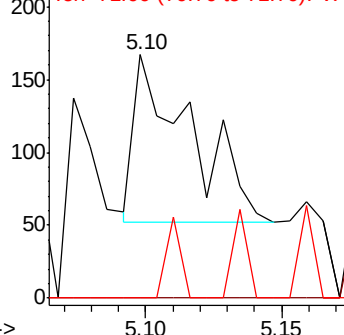
71 12.0 36.9 55.3#

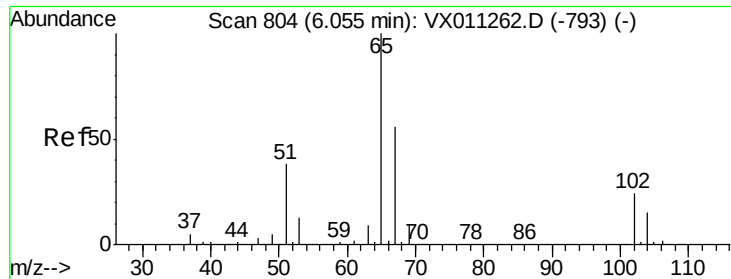


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

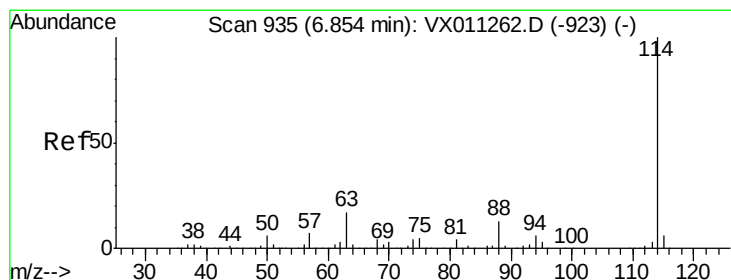
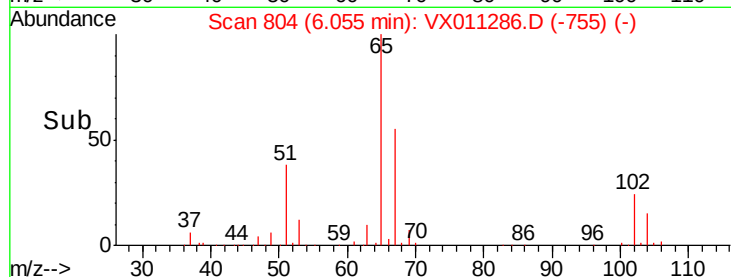
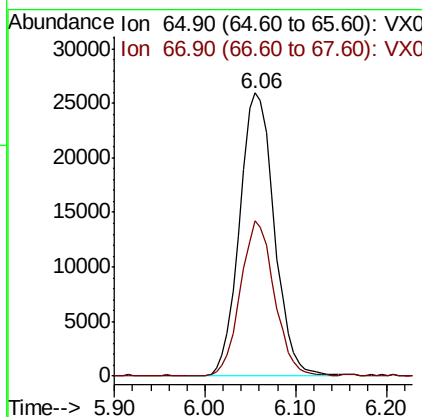
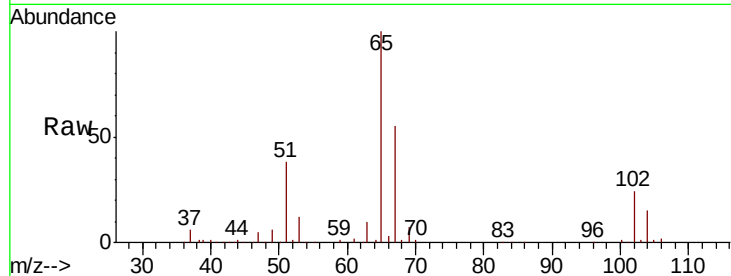




#33
 1,2-Dichloroethane-d4
 Concen: 52.930 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX011286.D
 Acq: 02 Aug 2019 02:21

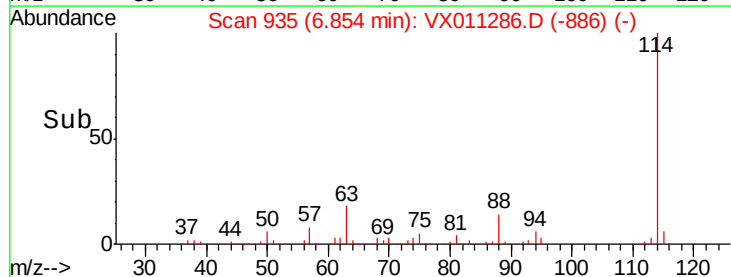
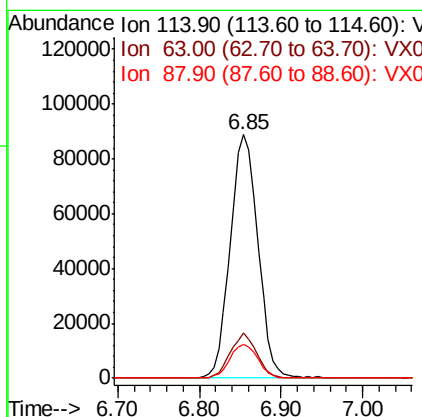
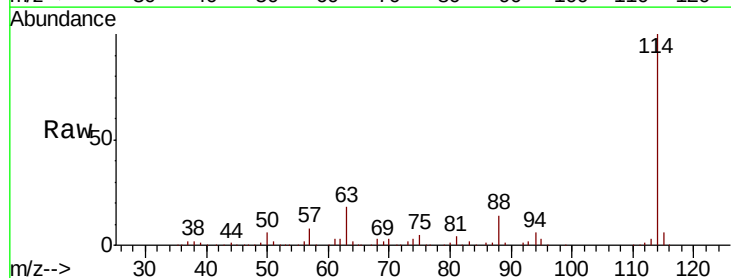
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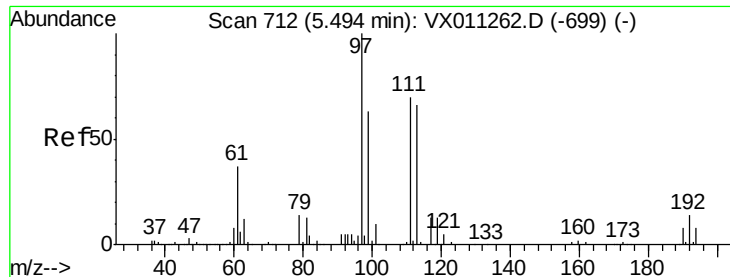
Tot Ion: 65 Resp: 68896
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VX011286.D
 Acq: 02 Aug 2019 02:21

Tgt Ion: 114 Resp: 208000
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 34.0
 88 14.1 0.0 26.4

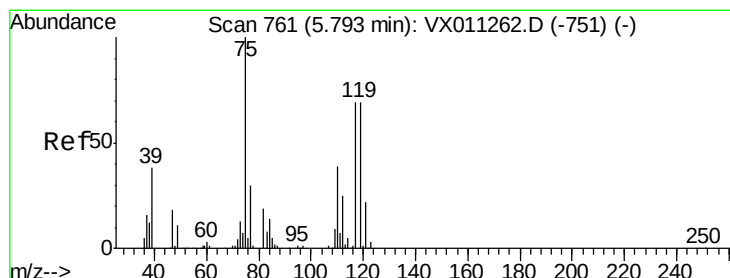
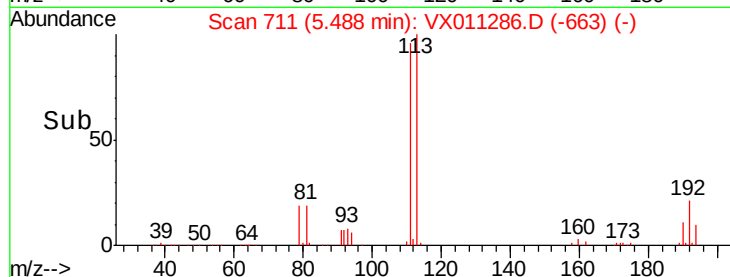
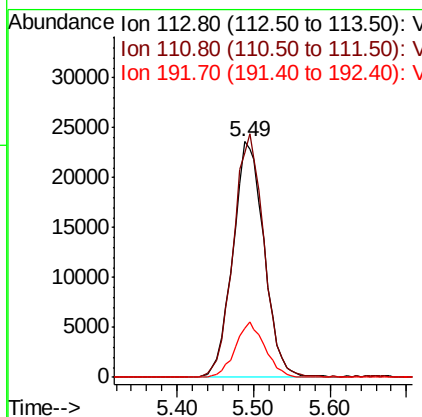
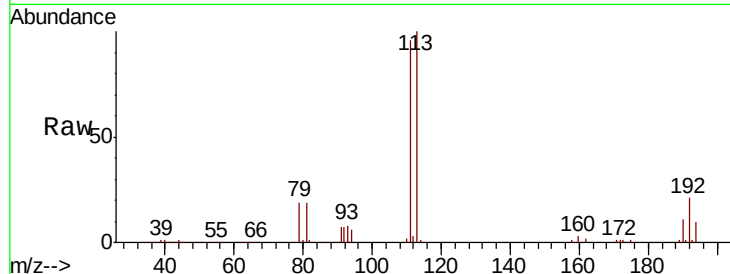




#35
 Dibromofluoromethane
 Concen: 49.160 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX011286.D
 Acq: 02 Aug 2019 02:21

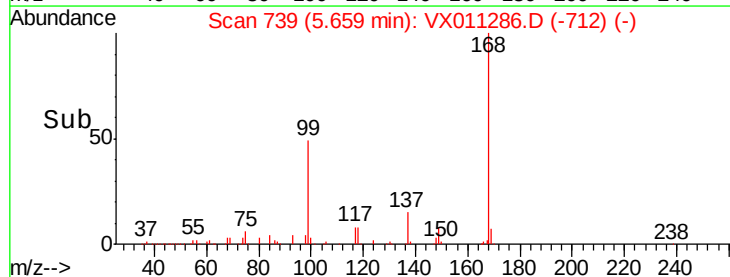
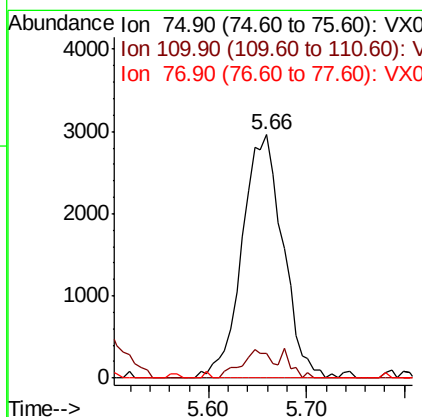
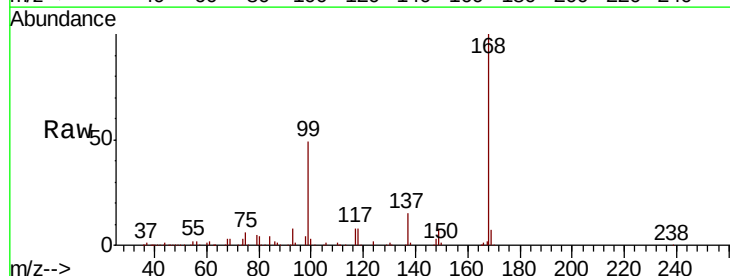
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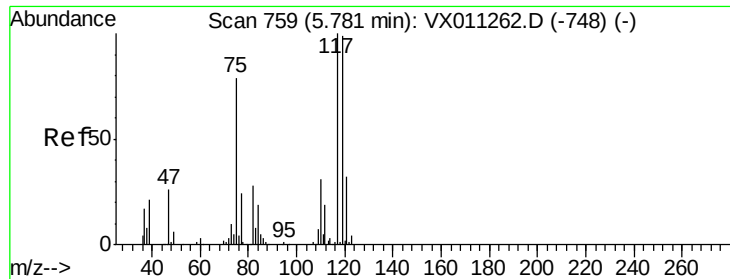
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.9	122.9
192	22.2	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 4.715 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX011286.D
 Acq: 02 Aug 2019 02:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	20.0	59.9#
77	0.0	24.8	37.2#

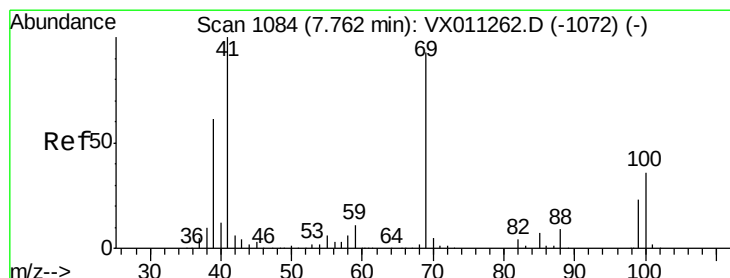
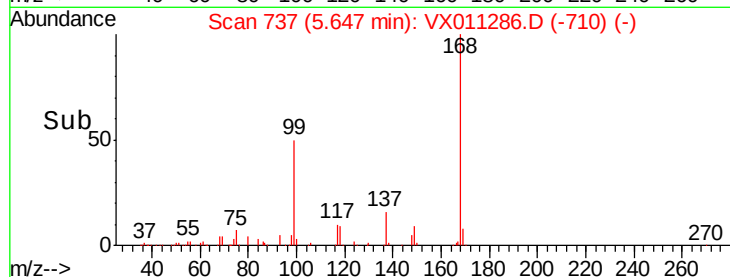
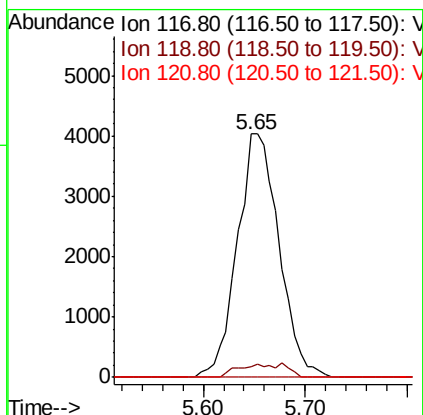
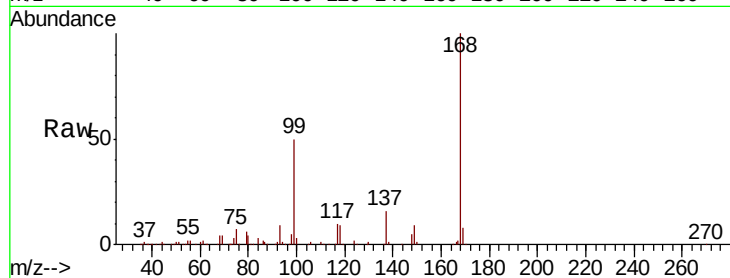




#38
Carbon Tetrachloride
Concen: 6.265 ug/l
RT: 5.65 min Scan# 737
Delta R.T. -0.13 min
Lab File: VX011286.D
Acq: 02 Aug 2019 02:21

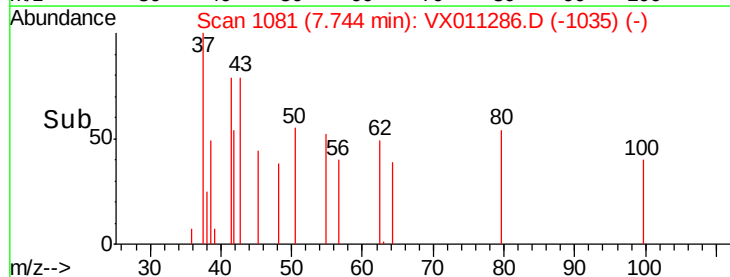
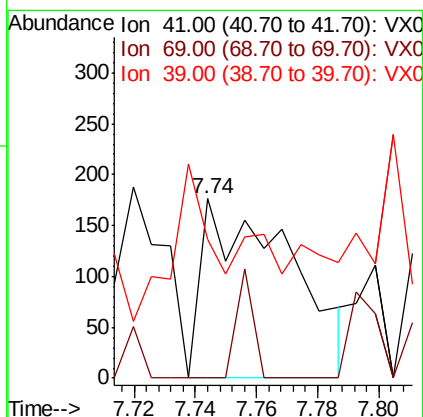
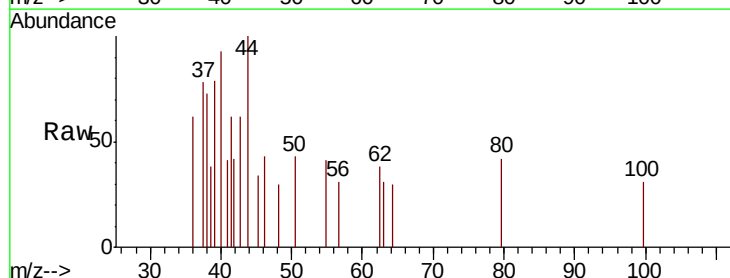
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ157I-20190731

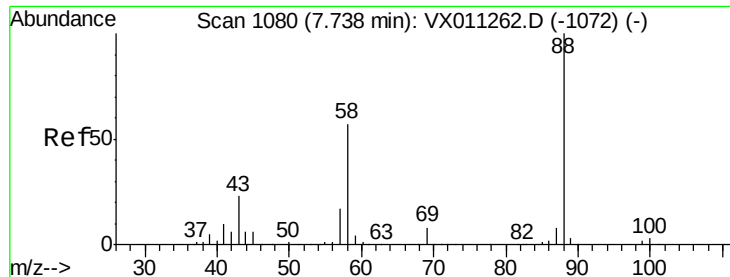
Tot Ion:117 Resp: 11446
Ion Ratio Lower Upper
117 100
119 4.4 79.0 118.4#
121 0.0 25.9 38.9#



#48
Methyl methacrylate
Concen: 0.256 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. -0.02 min
Lab File: VX011286.D
Acq: 02 Aug 2019 02:21

Tgt Ion: 41 Resp: 351
Ion Ratio Lower Upper
41 100
69 11.1 74.5 111.7#
39 38.2 48.6 72.8#

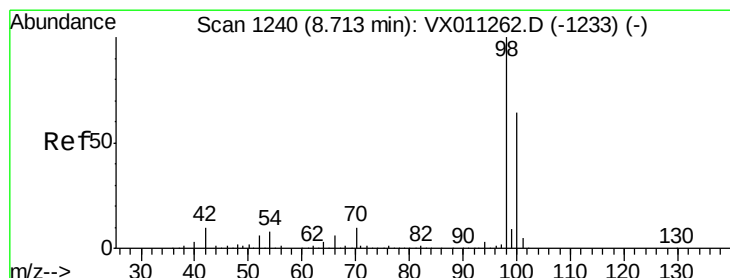
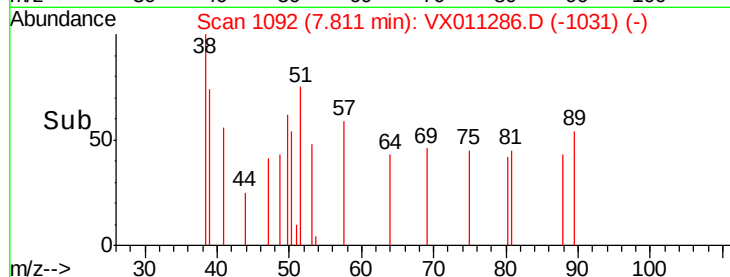
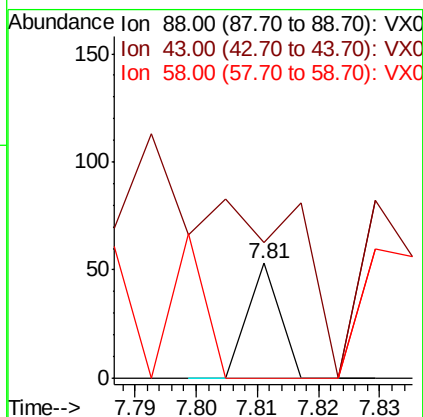
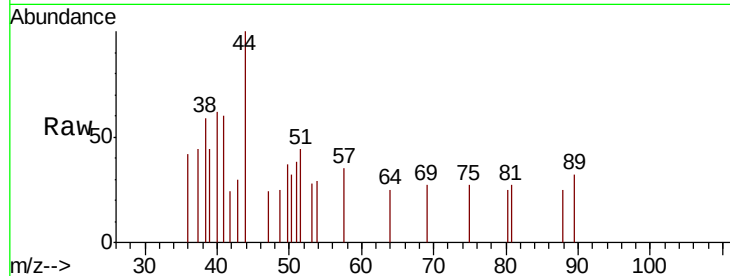




#49
1,4-Dioxane
Concen: 0.478 ug/l
RT: 7.81 min Scan# 1092
Delta R.T. 0.07 min
Lab File: VX011286.D
Acq: 02 Aug 2019 02:21

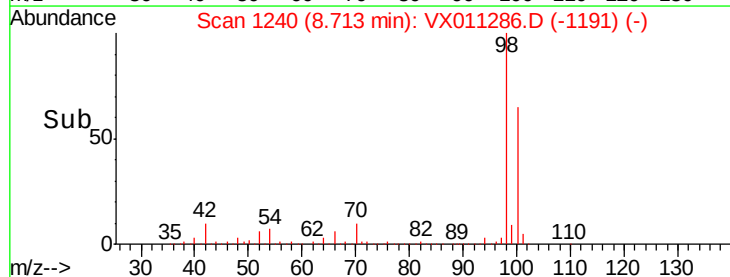
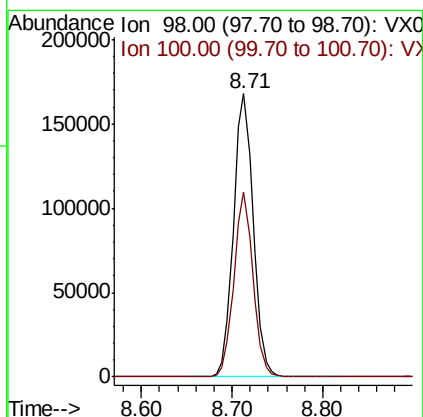
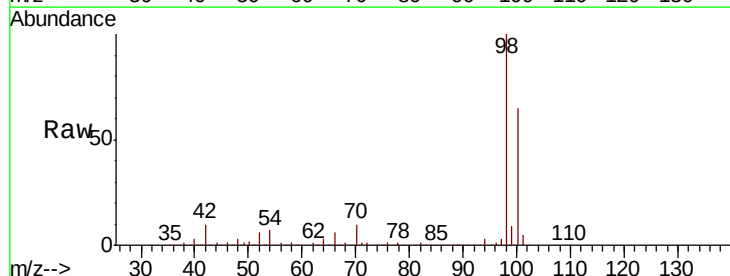
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ157I-20190731

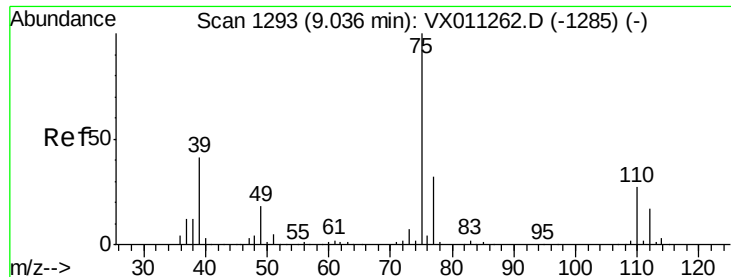
Tot Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 915.8 22.2 33.2#
58 352.6 47.8 71.8#



#50
Toluene-d8
Concen: 49.657 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011286.D
Acq: 02 Aug 2019 02:21

Tgt Ion: 98 Resp: 254543
Ion Ratio Lower Upper
98 100
100 62.9 51.7 77.5

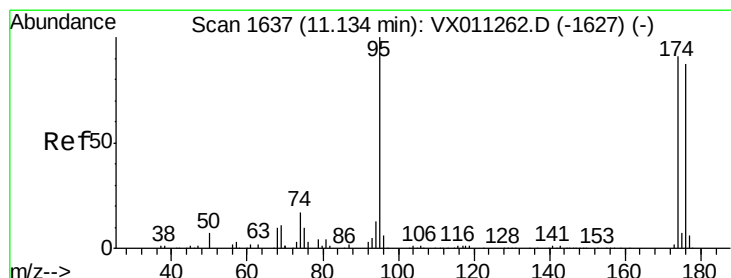
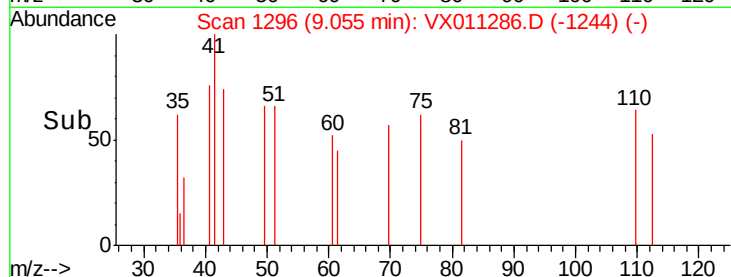
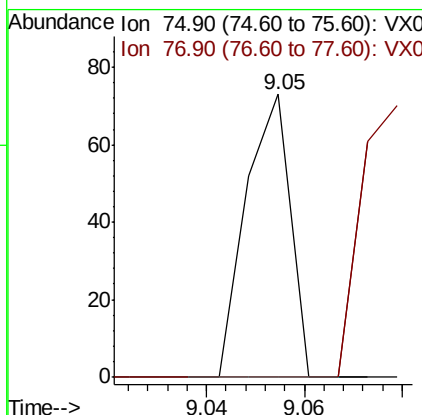
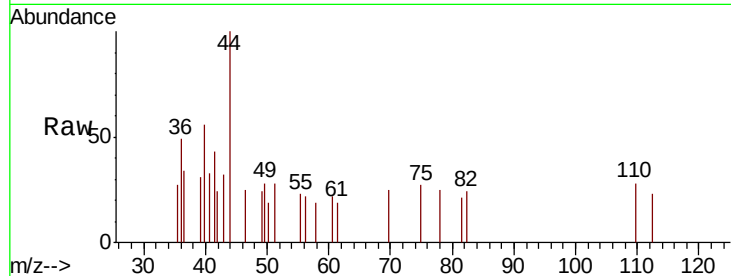




#53
t-1,3-Dichloropropene
Concen: 2.860 ug/l
RT: 9.05 min Scan# 1296
Delta R.T. 0.02 min
Lab File: VX011286.D
Acq: 02 Aug 2019 02:21

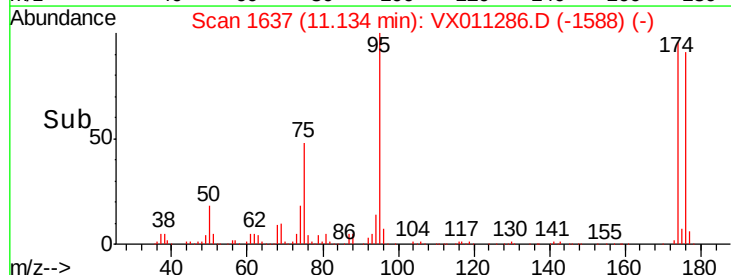
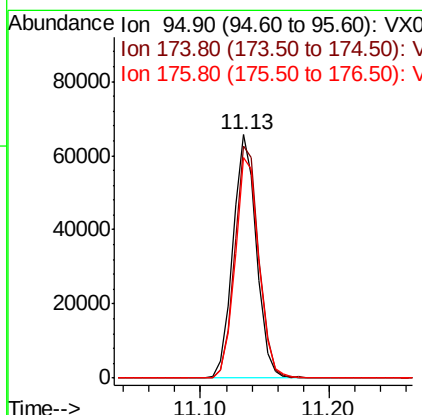
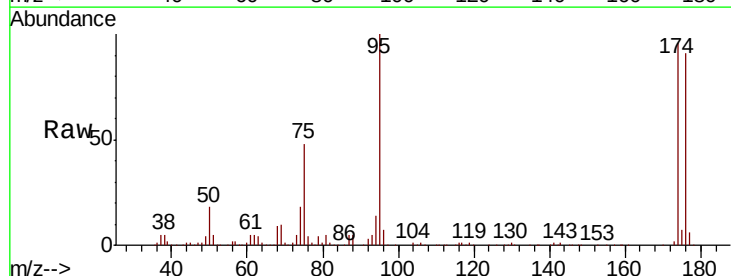
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ157I-20190731

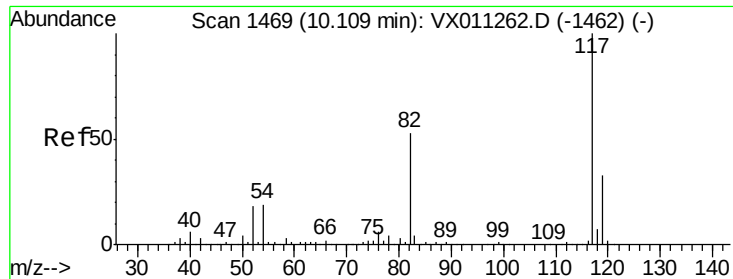
Tot Ion: 75 Resp: 46
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#62
4-Bromofluorobenzene
Concen: 45.654 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011286.D
Acq: 02 Aug 2019 02:21

Tgt Ion: 95 Resp: 83553
Ion Ratio Lower Upper
95 100
174 97.5 0.0 191.2
176 92.3 0.0 184.8

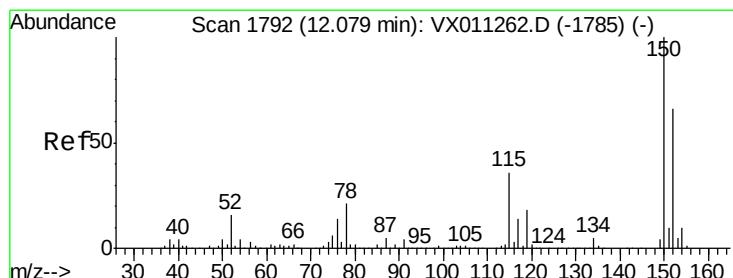
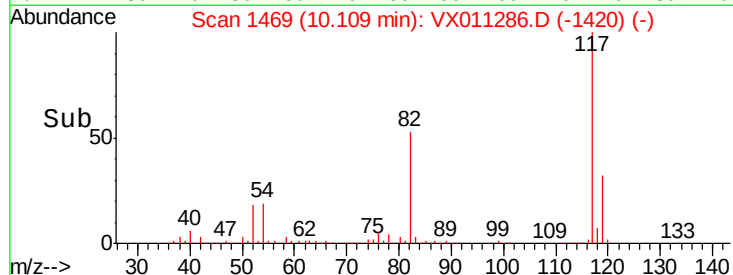
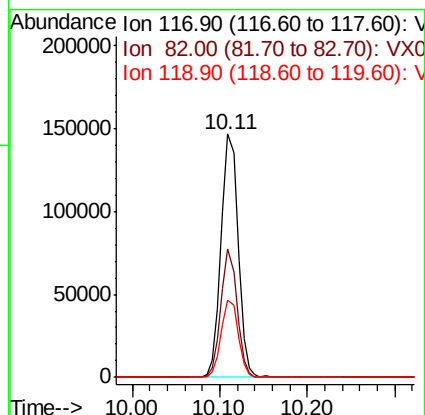
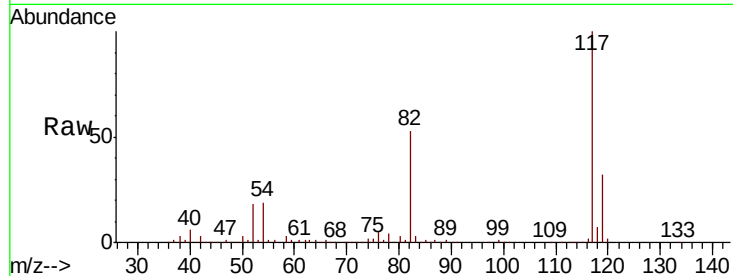




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011286.D
Acq: 02 Aug 2019 02:21

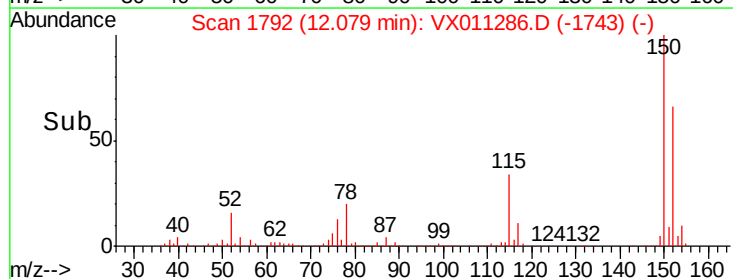
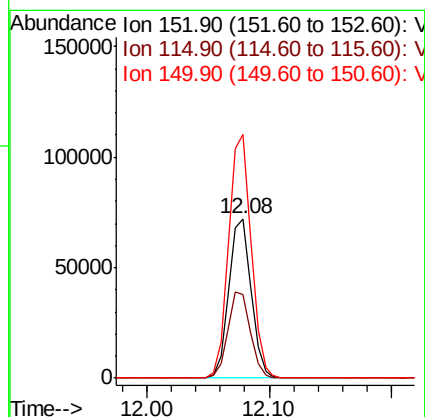
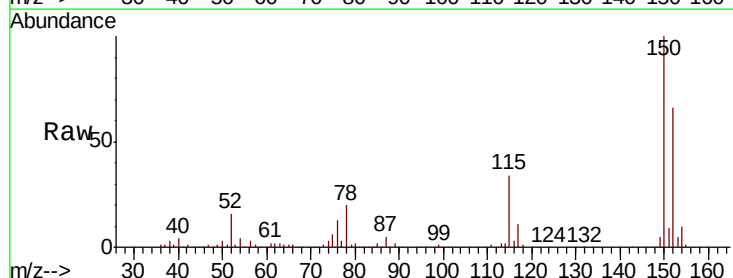
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ157I-20190731

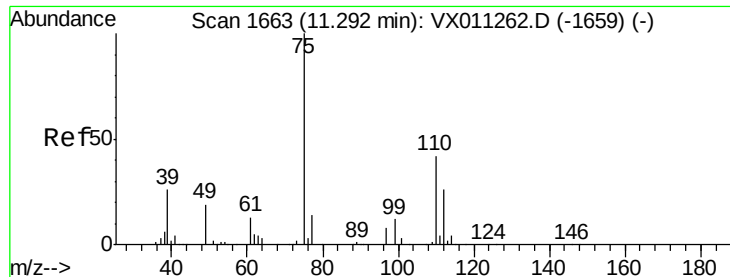
Tot Ion:117 Resp: 197473
Ion Ratio Lower Upper
117 100
82 53.0 42.2 63.2
119 31.8 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX011286.D
Acq: 02 Aug 2019 02:21

Tgt Ion:152 Resp: 90483
Ion Ratio Lower Upper
152 100
115 54.5 40.0 119.9
150 154.4 0.0 350.4

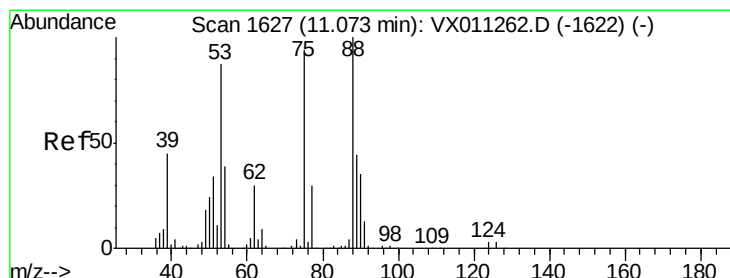
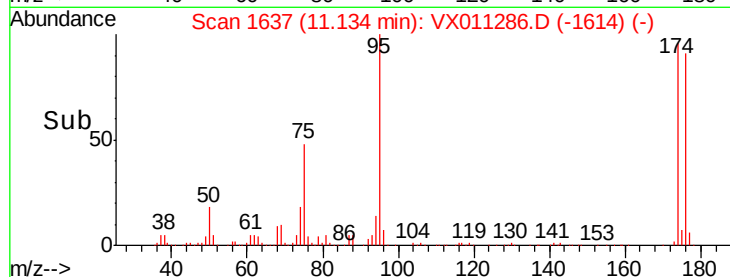
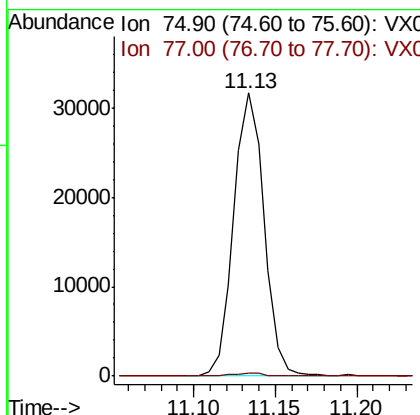
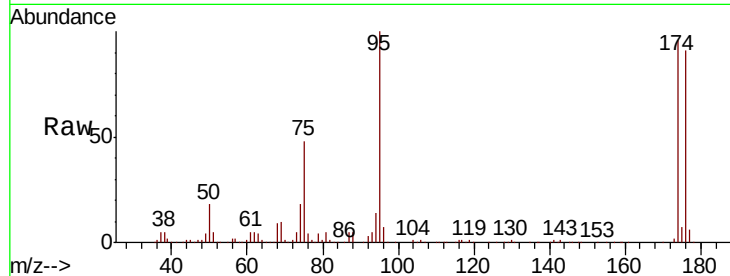




#76
 1,2,3-Trichloropropane
 Concen: 24.903 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011286.D
 Acq: 02 Aug 2019 02:21

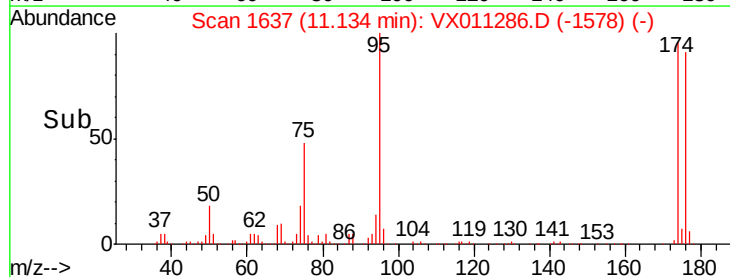
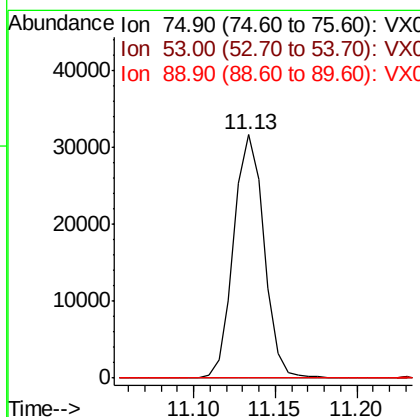
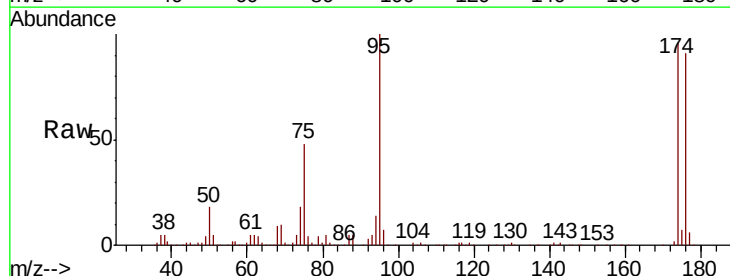
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ157I-20190731

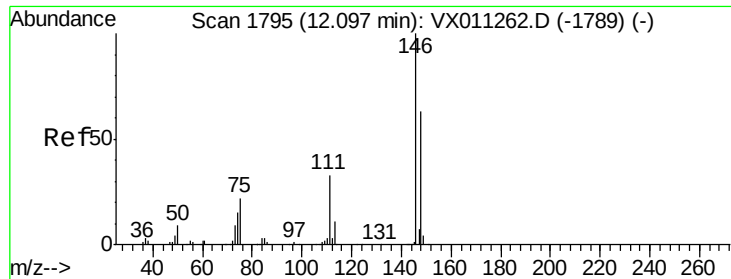
Tot Ion: 75 Resp: 41035
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.1 63.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.004 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011286.D
 Acq: 02 Aug 2019 02:21

Tgt Ion: 75 Resp: 41035
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.2 117.4#
 89 0.1 37.9 56.9#





#88

1,4-Dichlorobenzene

Concen: 0.226 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX011286.D

Acq: 02 Aug 2019 02:21

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ157I-20190731

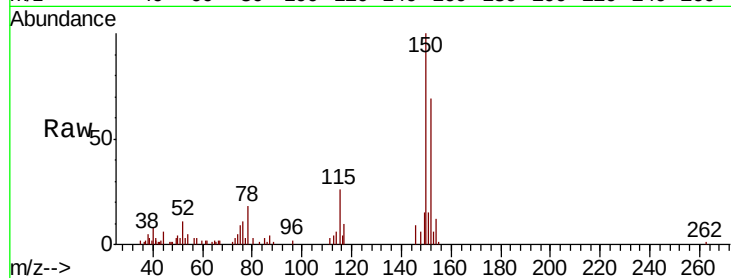
Tot Ion:146 Resp: 706

Ion Ratio Lower Upper

146 100

111 0.0 17.8 53.4#

148 0.0 31.8 95.3#



Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

