

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100119\
 Data File : VX012740.D
 Acq On : 01 Oct 2019 17:58
 Operator : JC/SP
 Sample : K5082-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-SW204-20190926

Quant Time: Oct 02 01:48:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	159898	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	281819	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	233639	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	81422	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	113400	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
35) Dibromofluoromethane	5.49	113	83072	49.50	ug/l	0.00
Spiked Amount			Recovery	=	99.00%	
50) Toluene-d8	8.71	98	327305	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
62) 4-Bromofluorobenzene	11.14	95	103819	40.85	ug/l	0.00
Spiked Amount			Recovery	=	81.70%	

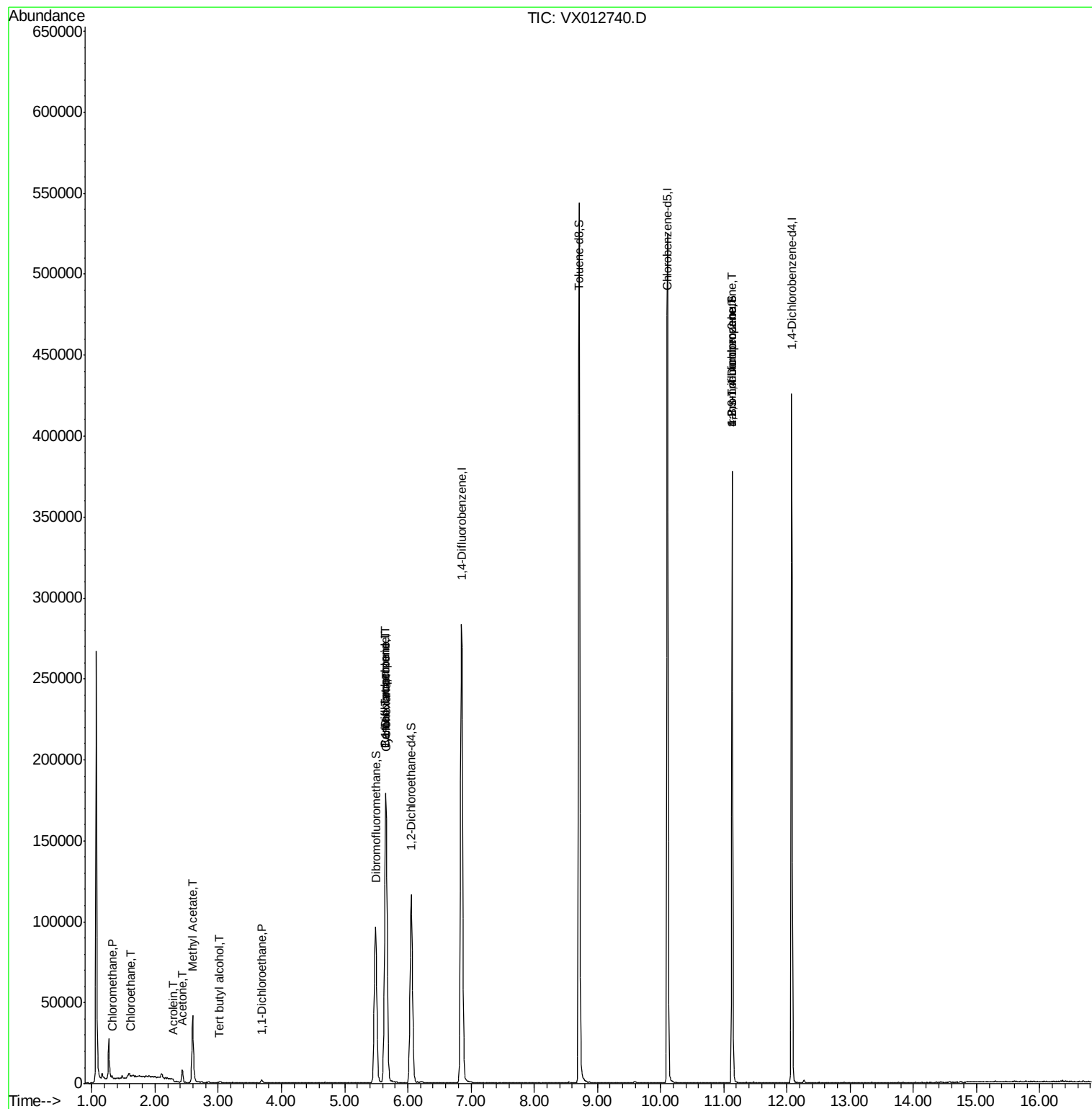
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	483	0.234	ug/l #	78
6) Chloroethane	1.62	64	2088	1.509	ug/l #	60
11) Tert butyl alcohol	3.01	59	773	1.329	ug/l #	72
13) Acrolein	2.28	56	265	11.017	ug/l	93
16) Acetone	2.43	43	8376	6.791	ug/l	95
18) Methyl Acetate	2.59	43	12079	4.159	ug/l #	54
24) 1,1-Dichloroethane	3.69	63	2175	0.607	ug/l #	86
31) Cyclohexane	5.66	56	3860	1.191	ug/l #	6
36) 1,1-Dichloropropene	5.65	75	14046	5.171	ug/l #	51
38) Carbon Tetrachloride	5.65	117	17948	6.504	ug/l #	17
76) 1,2,3-Trichloropropane	11.14	75	53590	24.881	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	53590	71.305	ug/l #	8

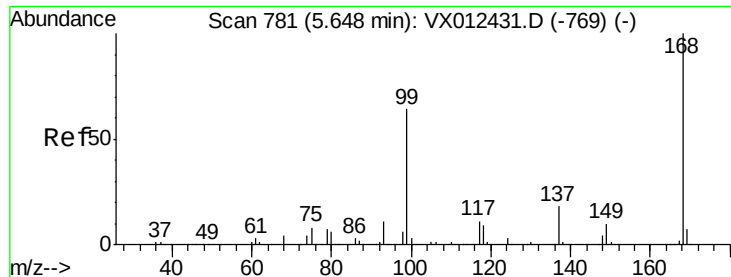
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012740.D

Acq: 01 Oct 2019 17:58

Instrument :

MSVOA_X

ClientSampleId :

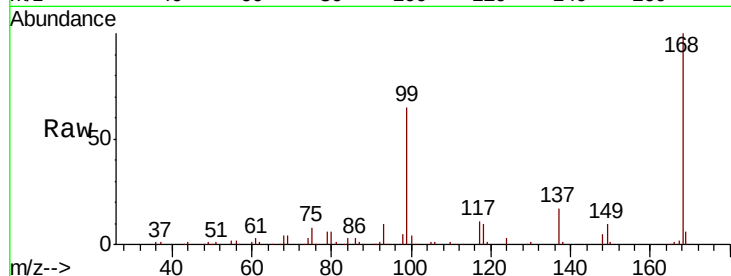
SA-SW204-20190926

Tot Ion:168 Resp: 159898

Ion Ratio Lower Upper

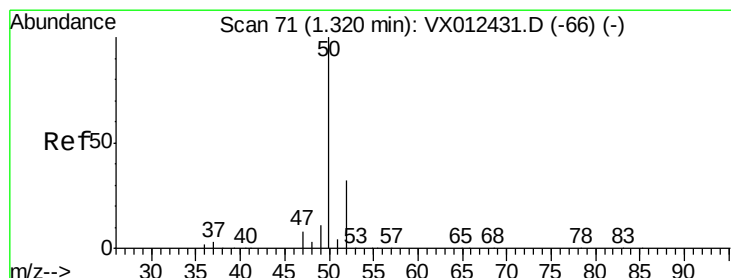
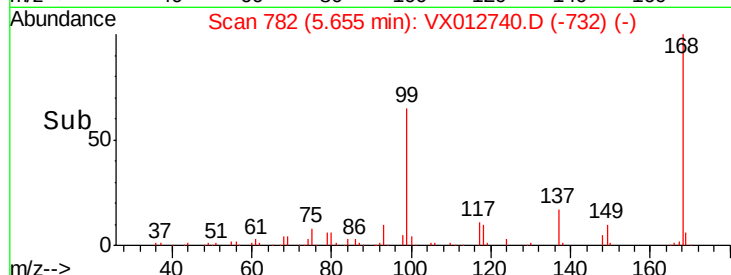
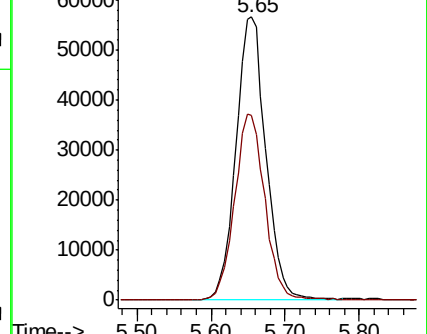
168 100

99 65.4 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.234 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012740.D

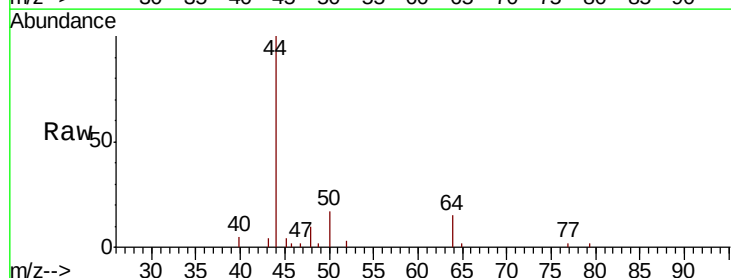
Acq: 01 Oct 2019 17:58

Tgt Ion: 50 Resp: 483

Ion Ratio Lower Upper

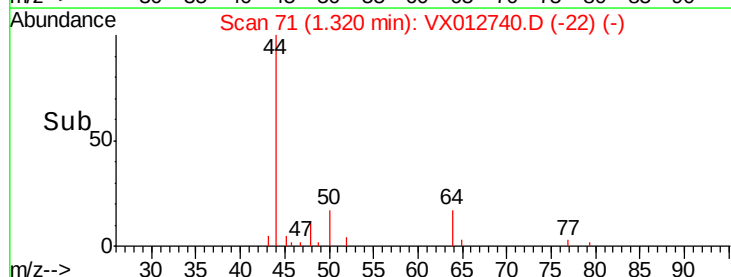
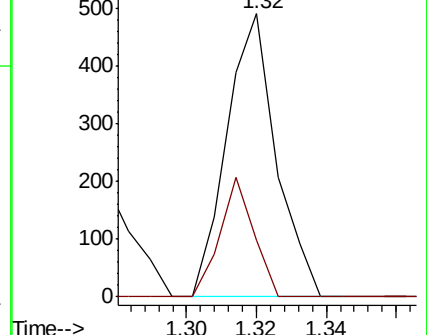
50 100

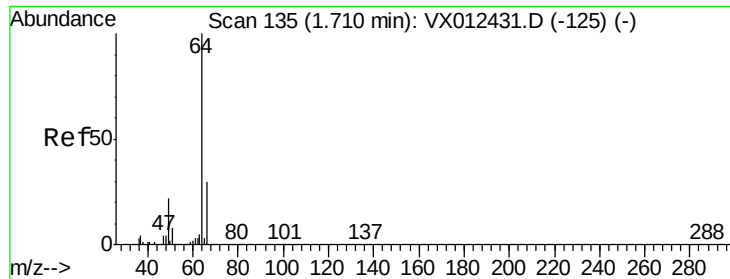
52 19.9 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 1.509 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.09 min

Lab File: VX012740.D

Acq: 01 Oct 2019 17:58

Instrument :

MSVOA_X

ClientSampleId :

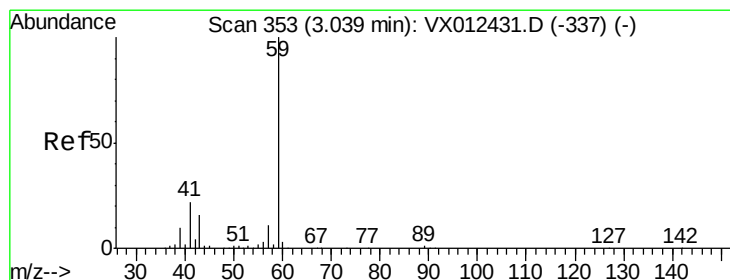
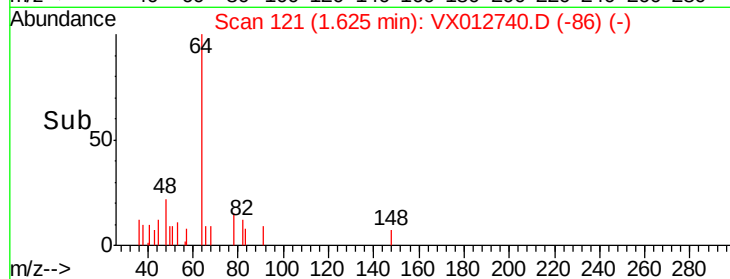
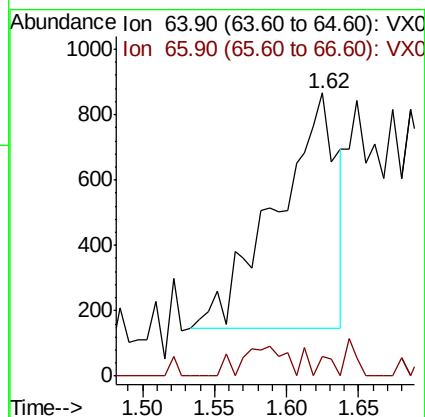
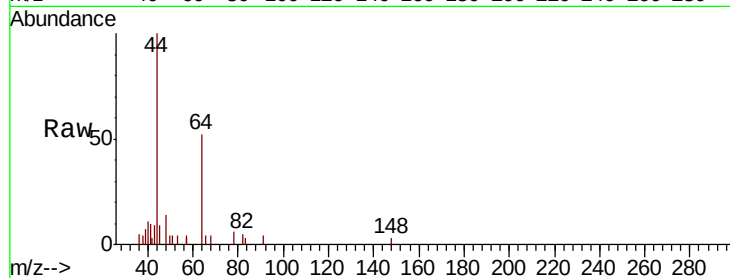
SA-SW204-20190926

Tot Ion: 64 Resp: 2088

Ion Ratio Lower Upper

64 100

66 8.5 24.0 36.0#



#11

Tert butyl alcohol

Concen: 1.329 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.02 min

Lab File: VX012740.D

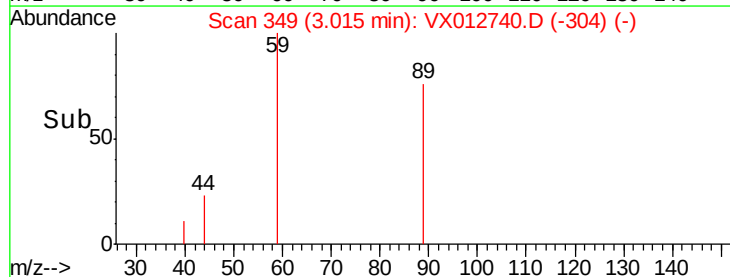
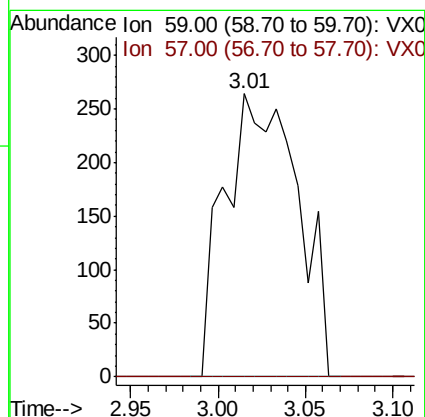
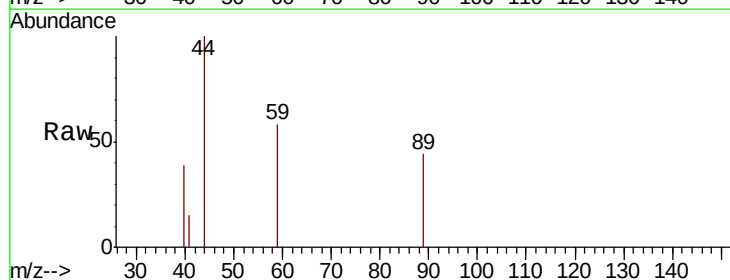
Acq: 01 Oct 2019 17:58

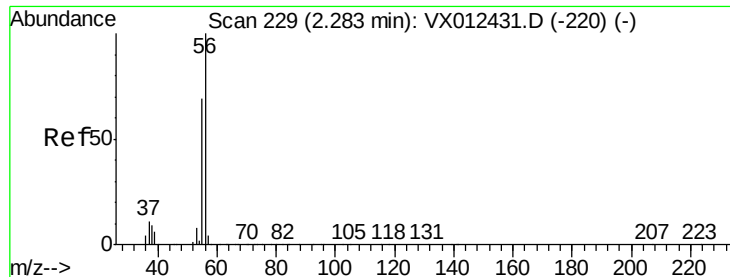
Tgt Ion: 59 Resp: 773

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#





#13

Acrolein

Concen: 11.017 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012740.D

Acq: 01 Oct 2019 17:58

Instrument :

MSVOA_X

ClientSampleId :

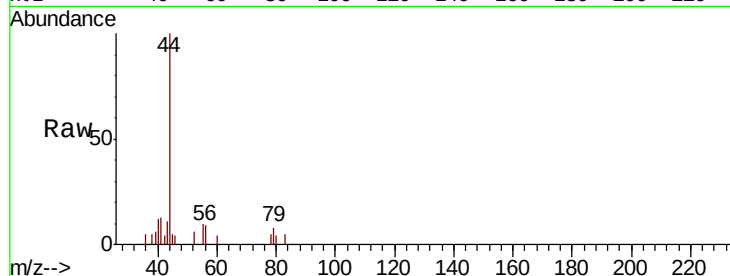
SA-SW204-20190926

Tot Ion: 56 Resp: 265

Ion Ratio Lower Upper

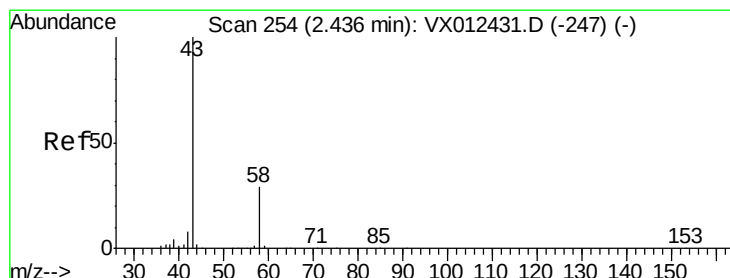
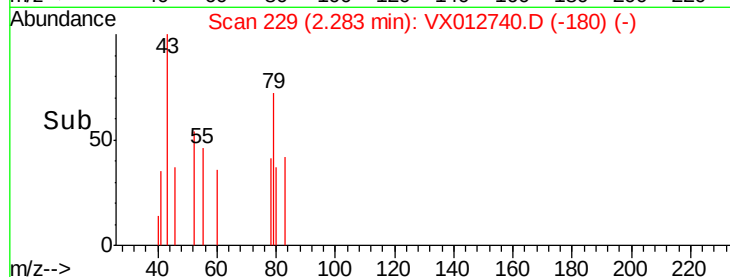
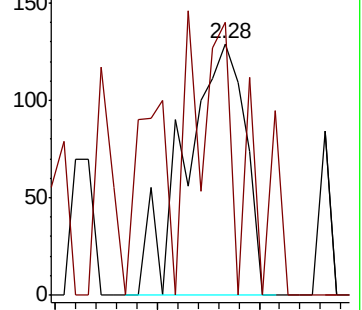
56 100

55 64.2 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 6.791 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012740.D

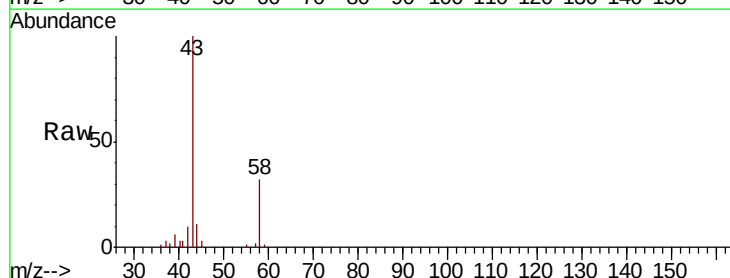
Acq: 01 Oct 2019 17:58

Tgt Ion: 43 Resp: 8376

Ion Ratio Lower Upper

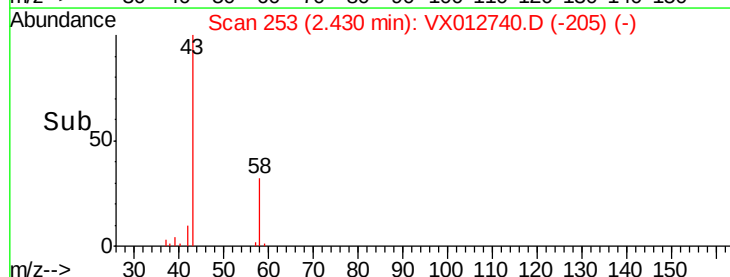
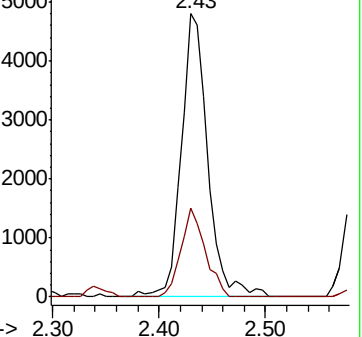
43 100

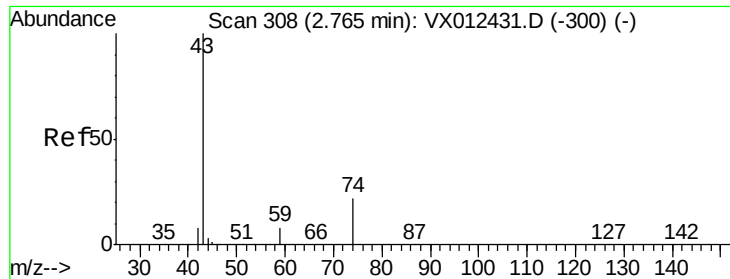
58 31.5 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

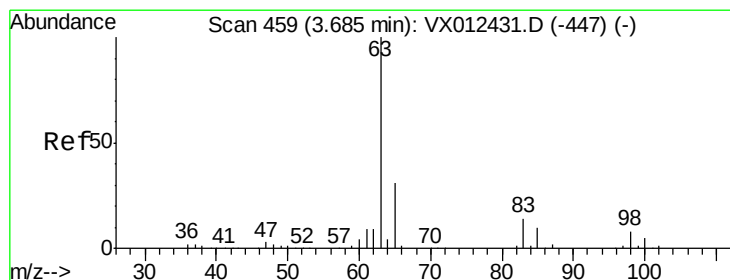
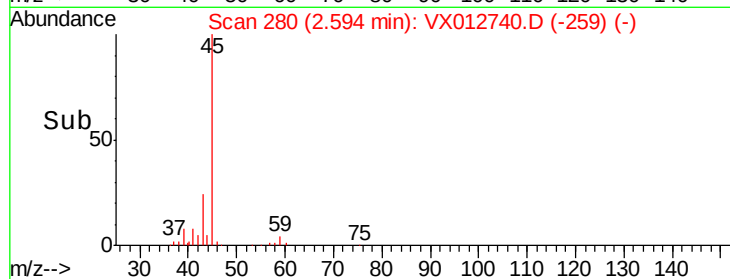
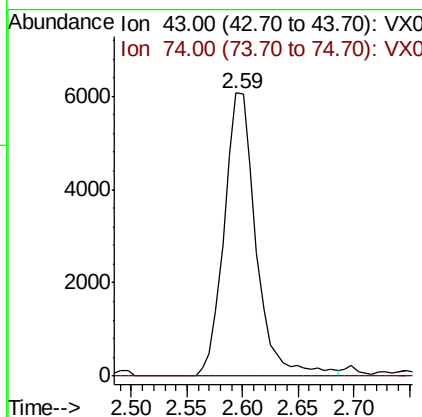
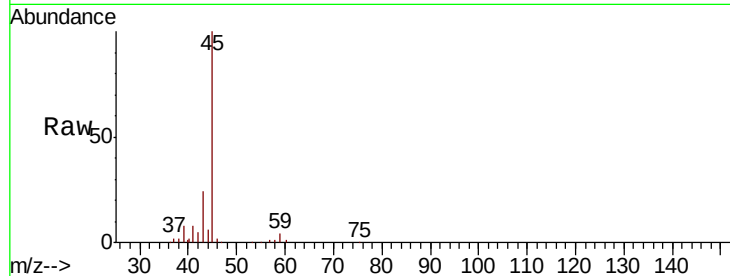




#18
 Methvl Acetate
 Concen: 4.159 ug/l
 RT: 2.59 min Scan# 280
 Delta R.T. -0.17 min
 Lab File: VX012740.D
 Acq: 01 Oct 2019 17:58

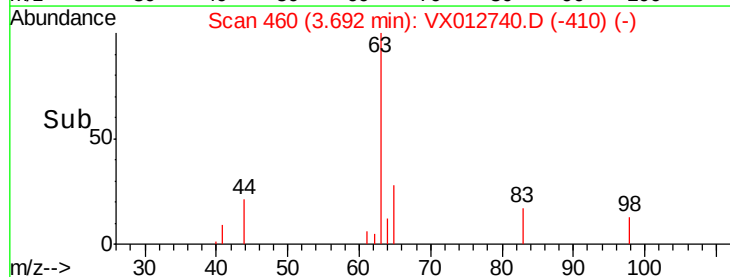
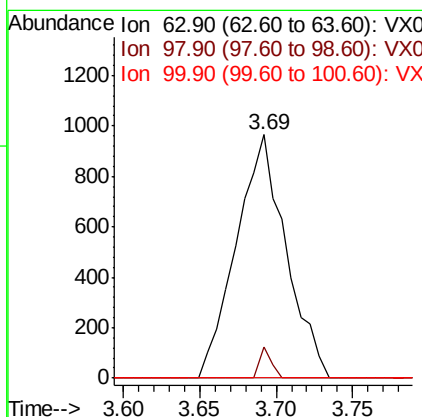
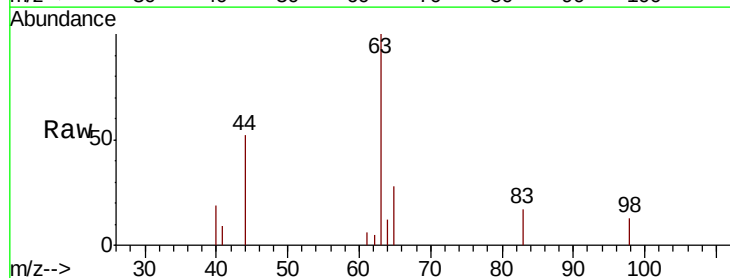
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-SW204-20190926

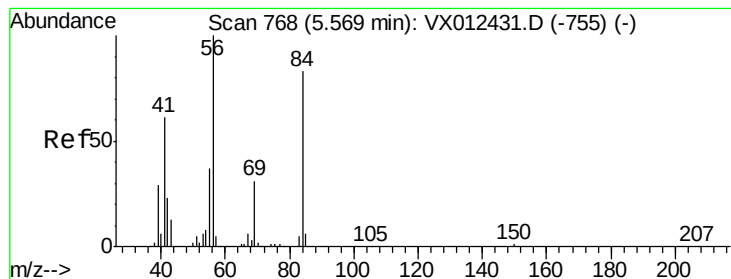
Tot Ion: 43 Resp: 12079
 Ion Ratio Lower Upper
 43 100
 74 0.0 17.7 26.5#



#24
 1,1-Dichloroethane
 Concen: 0.607 ug/l
 RT: 3.69 min Scan# 460
 Delta R.T. 0.01 min
 Lab File: VX012740.D
 Acq: 01 Oct 2019 17:58

Tgt Ion: 63 Resp: 2175
 Ion Ratio Lower Upper
 63 100
 98 12.8 3.9 11.7#
 100 0.0 2.3 6.9#





#31

Cyclohexane

Concen: 1.191 ug/l

RT: 5.66 min Scan# 783

Delta R.T. 0.09 min

Lab File: VX012740.D

Acq: 01 Oct 2019 17:58

Instrument :

MSVOA_X

ClientSampleId :

SA-SW204-20190926

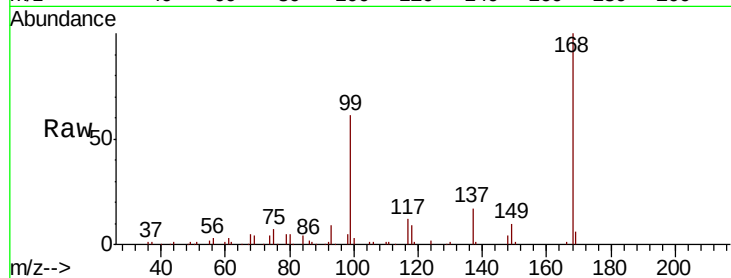
Tot Ion: 56 Resp: 3860

Ion Ratio Lower Upper

56 100

69 134.8 25.0 37.6#

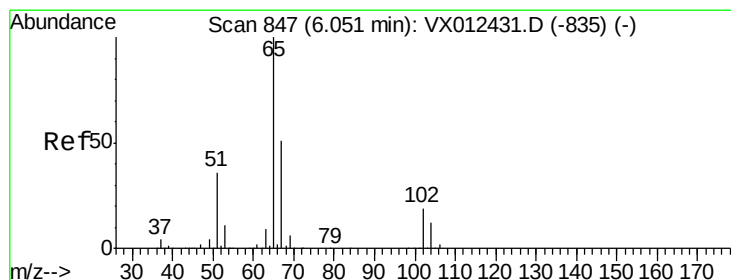
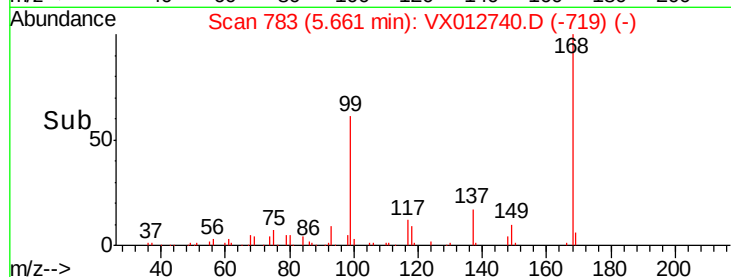
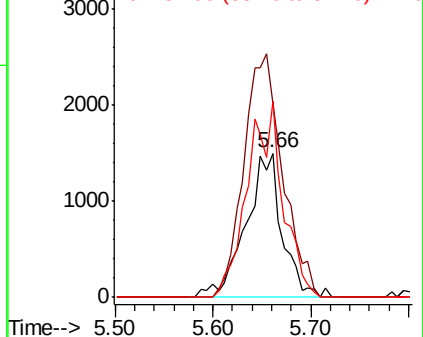
84 136.0 66.4 99.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.702 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012740.D

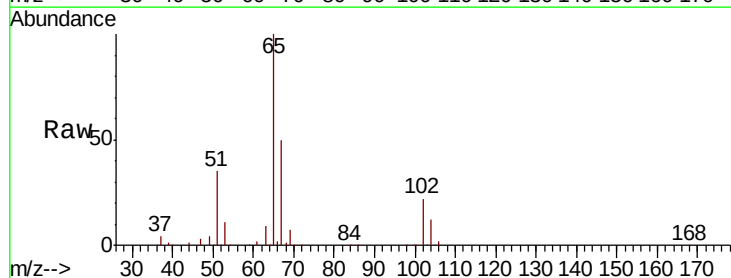
Acq: 01 Oct 2019 17:58

Tgt Ion: 65 Resp: 113400

Ion Ratio Lower Upper

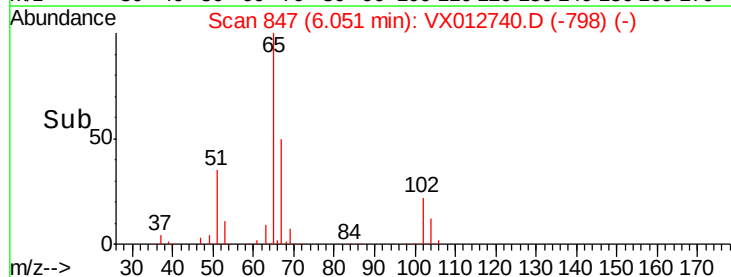
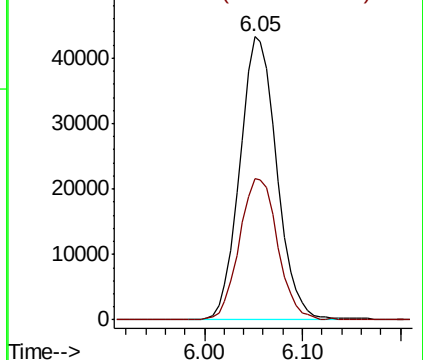
65 100

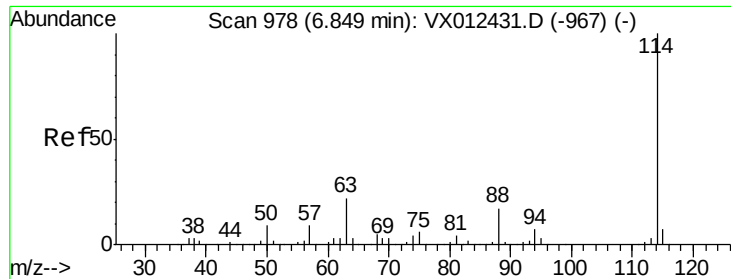
67 51.6 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

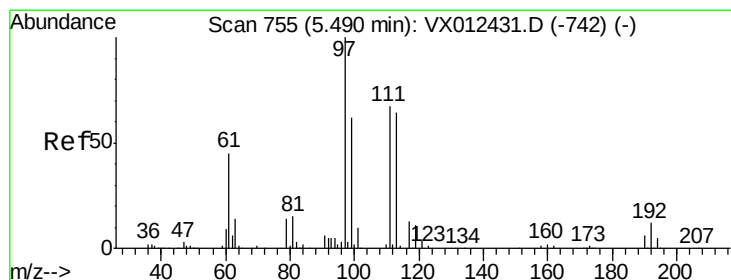
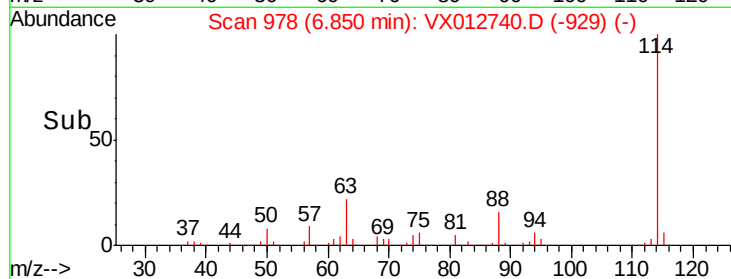
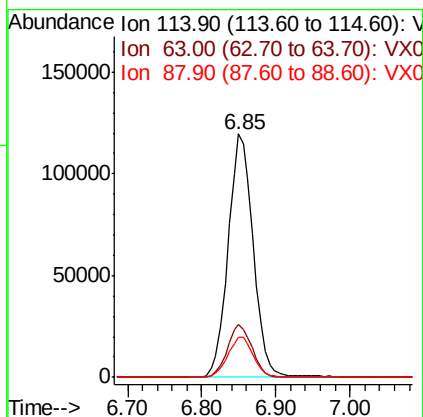
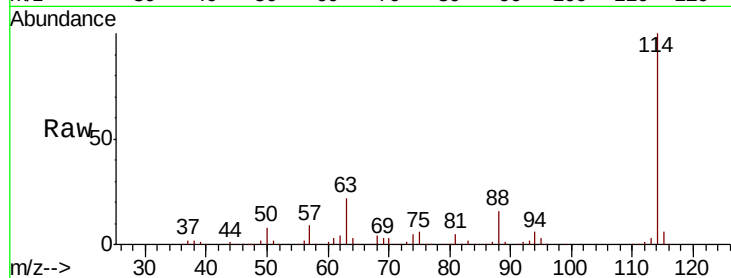




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012740.D
 Acq: 01 Oct 2019 17:58

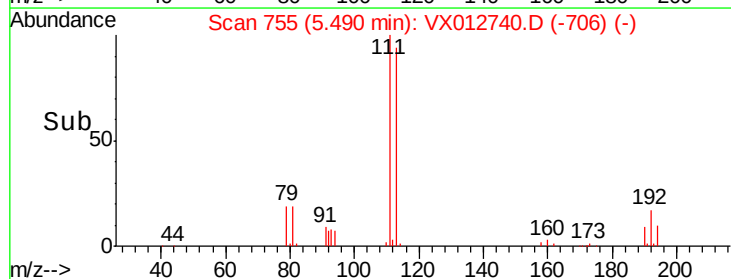
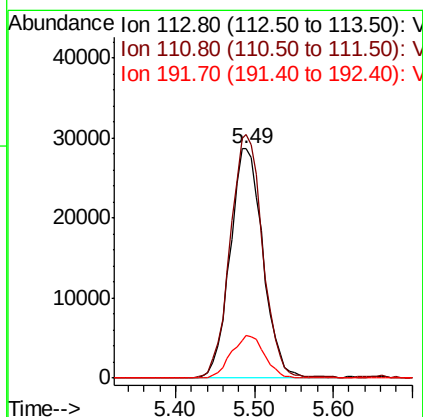
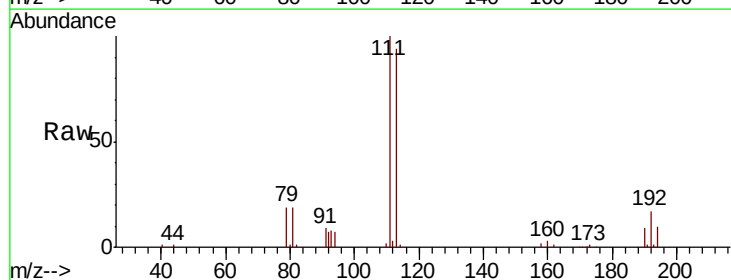
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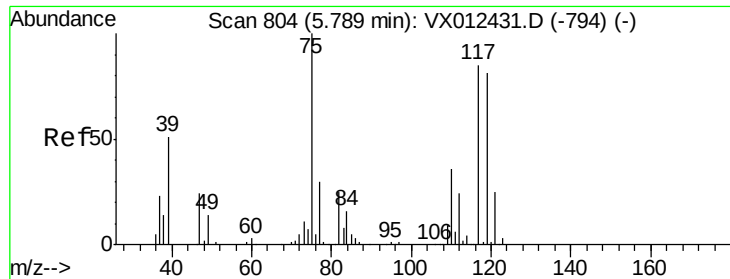
Tot Ion:114 Resp: 281819
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.2
 88 16.4 0.0 33.2



#35
 Dibromofluoromethane
 Concen: 49.496 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012740.D
 Acq: 01 Oct 2019 17:58

Tgt Ion:113 Resp: 83072
 Ion Ratio Lower Upper
 113 100
 111 104.6 83.4 125.2
 192 18.7 14.4 21.6

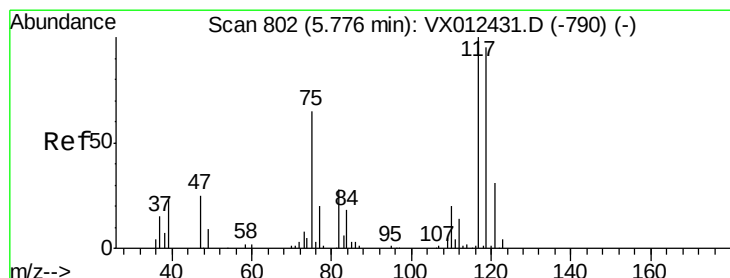
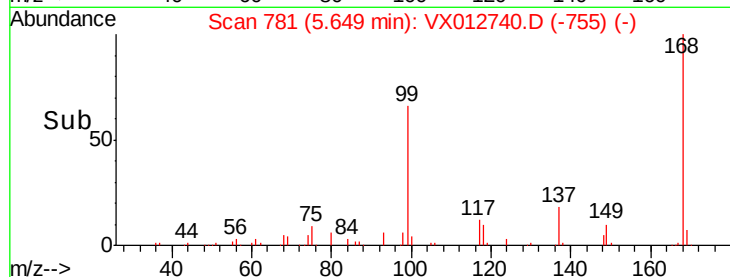
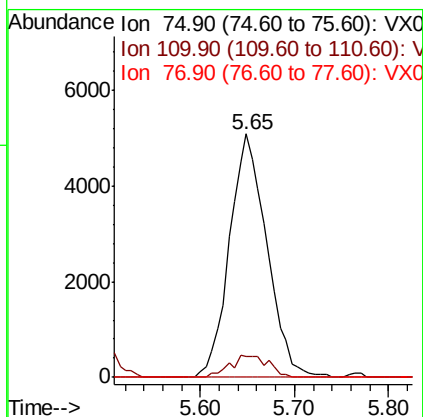
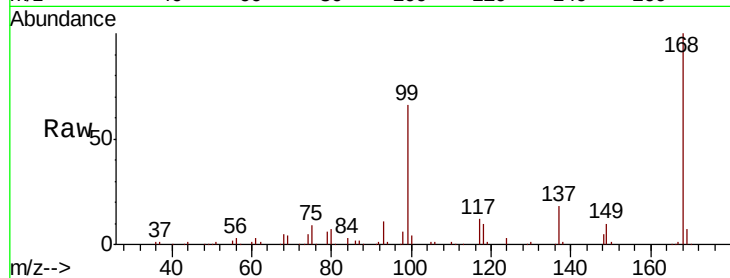




#36
 1,1-Dichloropropene
 Concen: 5.171 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012740.D
 Acq: 01 Oct 2019 17:58

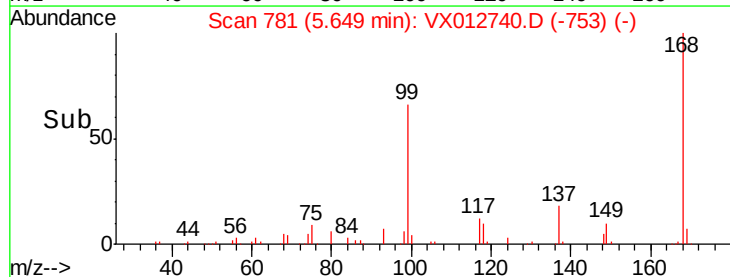
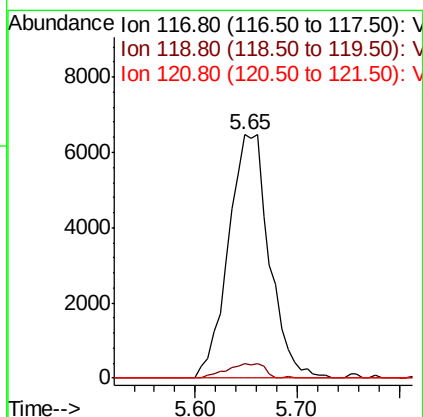
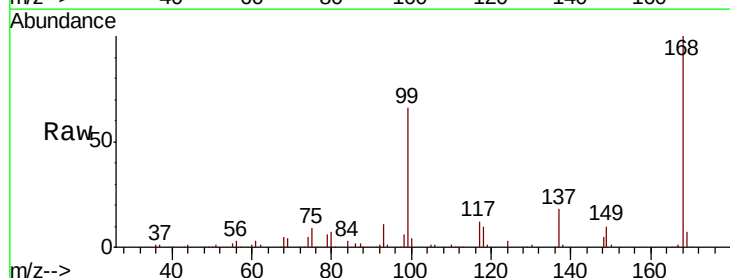
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 SA-SW204-20190926

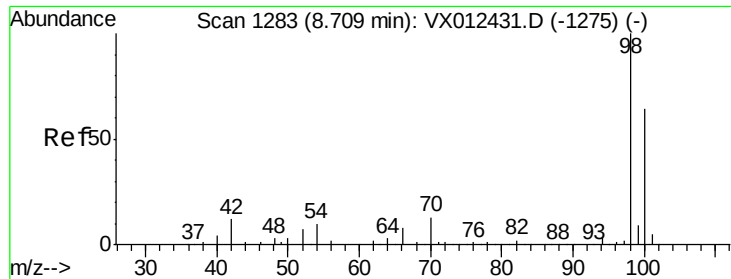
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	16.7	50.0#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.504 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX012740.D
 Acq: 01 Oct 2019 17:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.1	75.7	113.5#
121	0.0	24.2	36.4#

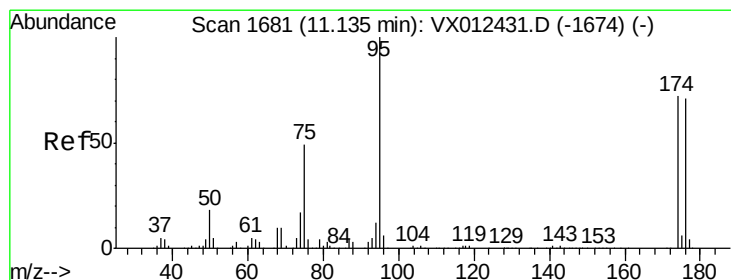
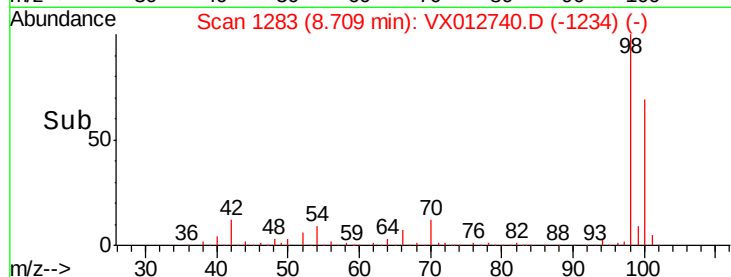
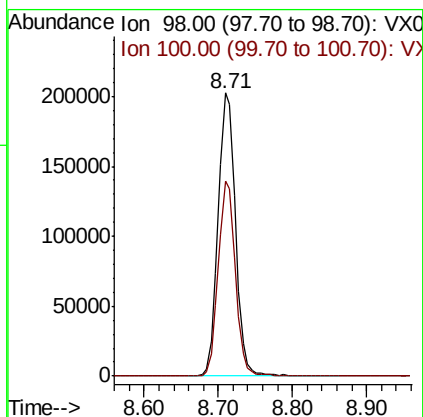
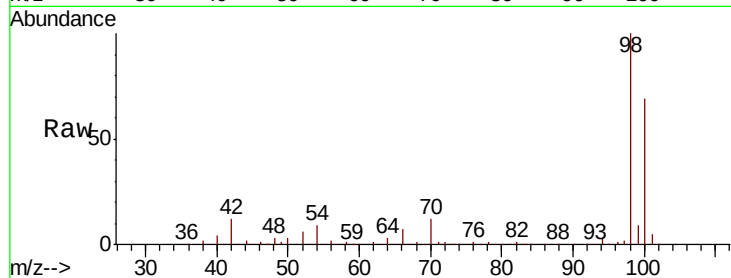




#50
Toluene-d8
Concen: 50.639 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012740.D
Acq: 01 Oct 2019 17:58

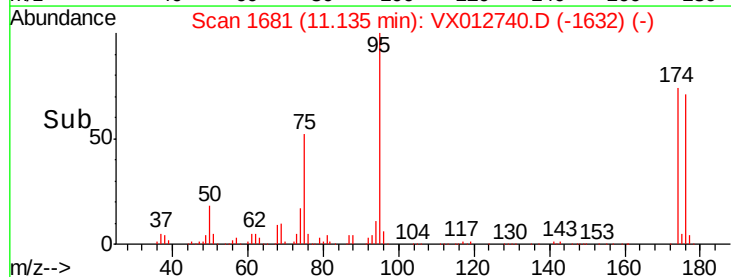
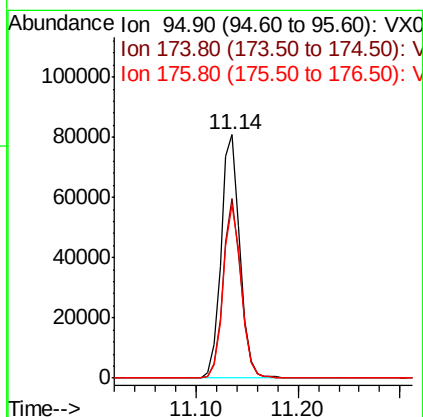
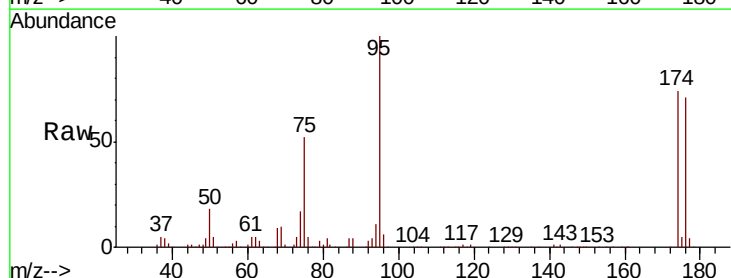
Instrument :
MSVOA_X
ClientSampleId :
SA-SW204-20190926

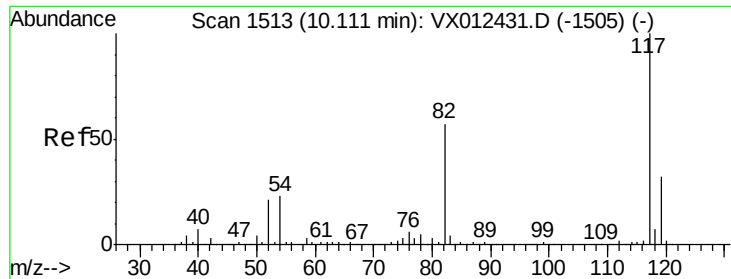
Tot Ion: 98 Resp: 327305
Ion Ratio Lower Upper
98 100
100 67.8 53.4 80.2



#62
4-Bromofluorobenzene
Concen: 40.850 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012740.D
Acq: 01 Oct 2019 17:58

Tgt Ion: 95 Resp: 103819
Ion Ratio Lower Upper
95 100
174 70.1 0.0 140.0
176 68.3 0.0 135.4

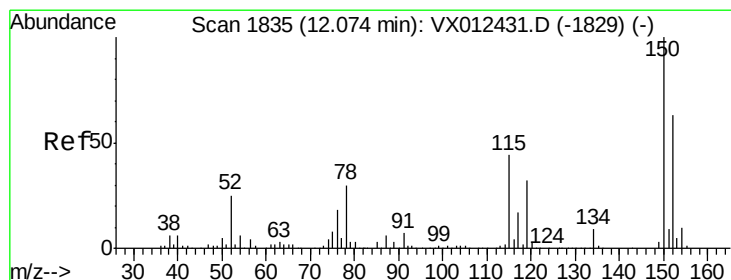
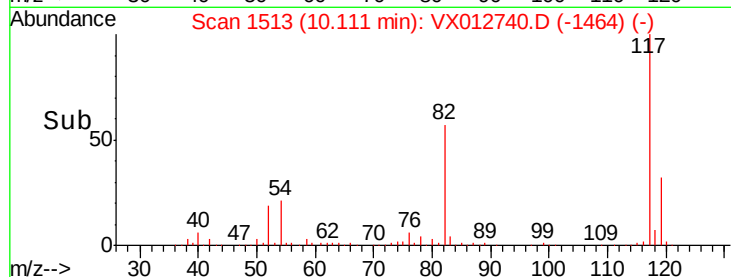
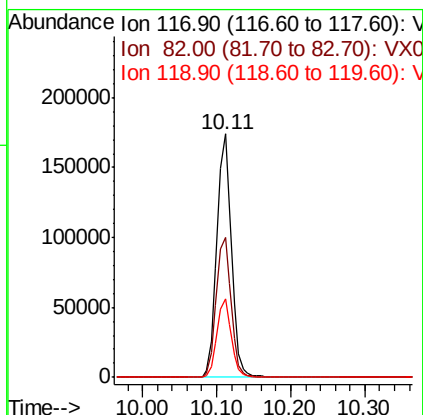
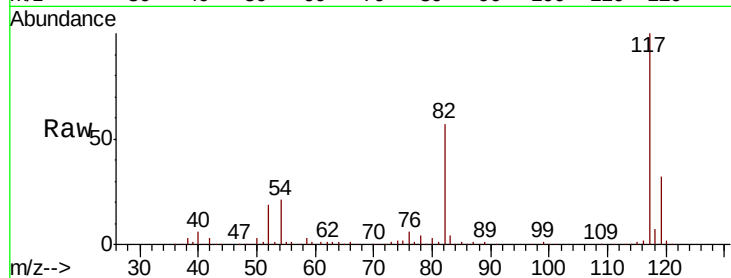




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012740.D
Acq: 01 Oct 2019 17:58

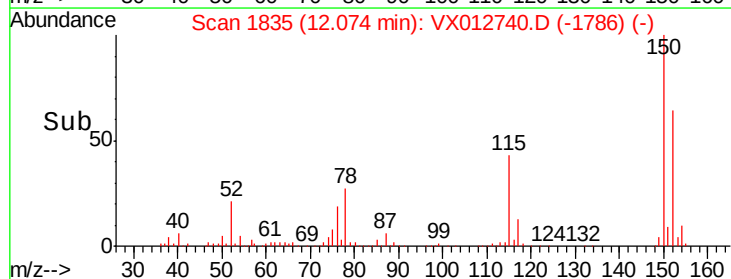
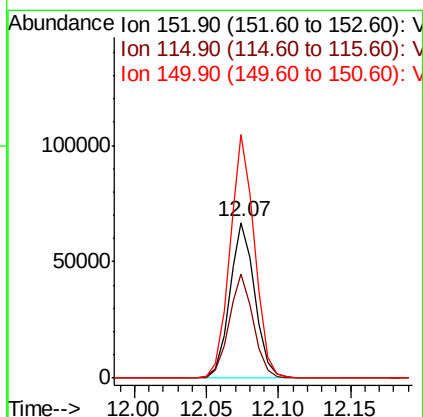
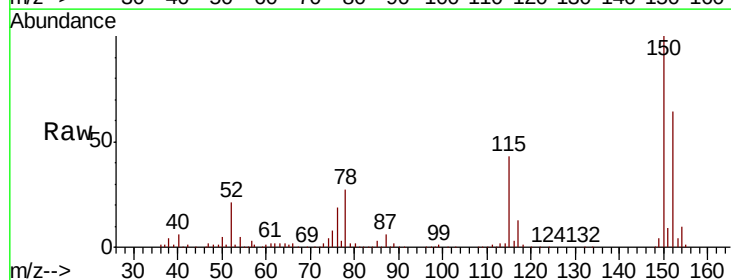
Instrument :
MSVOA_X
ClientSampleId :
SA-SW204-20190926

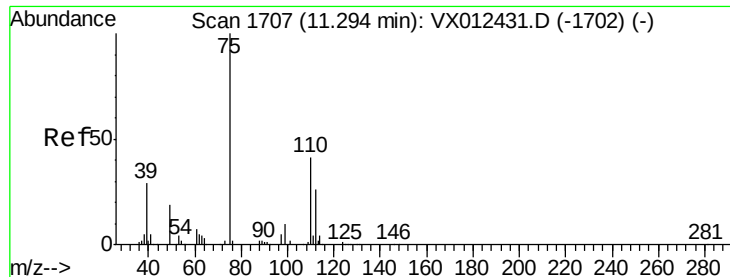
Tot Ion:117 Resp: 233639
Ion Ratio Lower Upper
117 100
82 57.3 45.9 68.9
119 32.2 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012740.D
Acq: 01 Oct 2019 17:58

Tgt Ion:152 Resp: 81422
Ion Ratio Lower Upper
152 100
115 65.5 44.1 132.3
150 153.5 0.0 343.8





#76

1,2,3-Trichloropropane

Concen: 24.881 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012740.D

Acq: 01 Oct 2019 17:58

Instrument :

MSVOA_X

ClientSampleId :

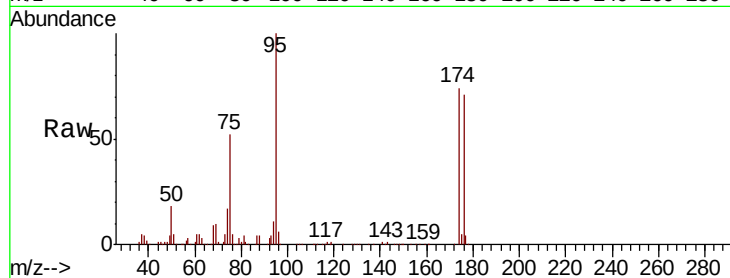
SA-SW204-20190926

Tot Ion: 75 Resp: 53590

Ion Ratio Lower Upper

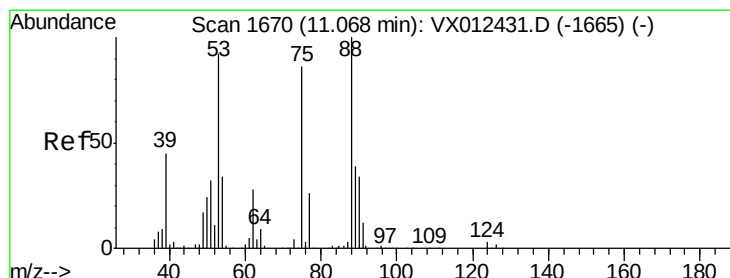
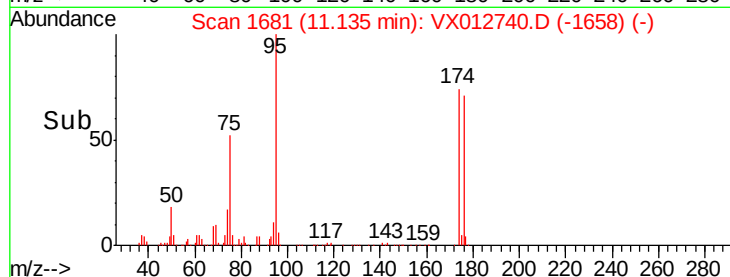
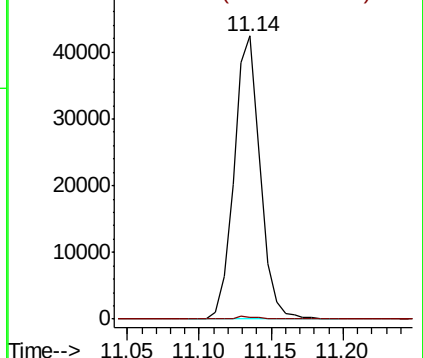
75 100

77 1.0 19.7 59.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 71.305 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012740.D

Acq: 01 Oct 2019 17:58

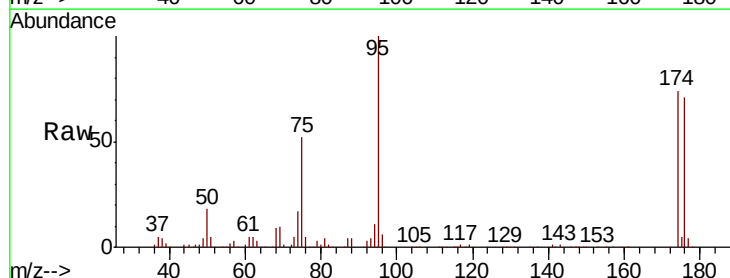
Tgt Ion: 75 Resp: 53590

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

