

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091119\
 Data File : VX012312.D
 Acq On : 11 Sep 2019 19:50
 Operator : SY/SP
 Sample : K4643-07
 Misc : 4.57g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-B2-(4)

Quant Time: Sep 12 05:41:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	167770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	286863	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	245773	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	98007	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	112866	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	
35) Dibromofluoromethane	5.48	113	85895	46.71	ug/l	0.00
Spiked Amount			Recovery	=	93.42%	
50) Toluene-d8	8.71	98	337807	52.38	ug/l	0.00
Spiked Amount			Recovery	=	104.76%	
62) 4-Bromofluorobenzene	11.13	95	121837	40.75	ug/l	0.00
Spiked Amount			Recovery	=	81.50%	

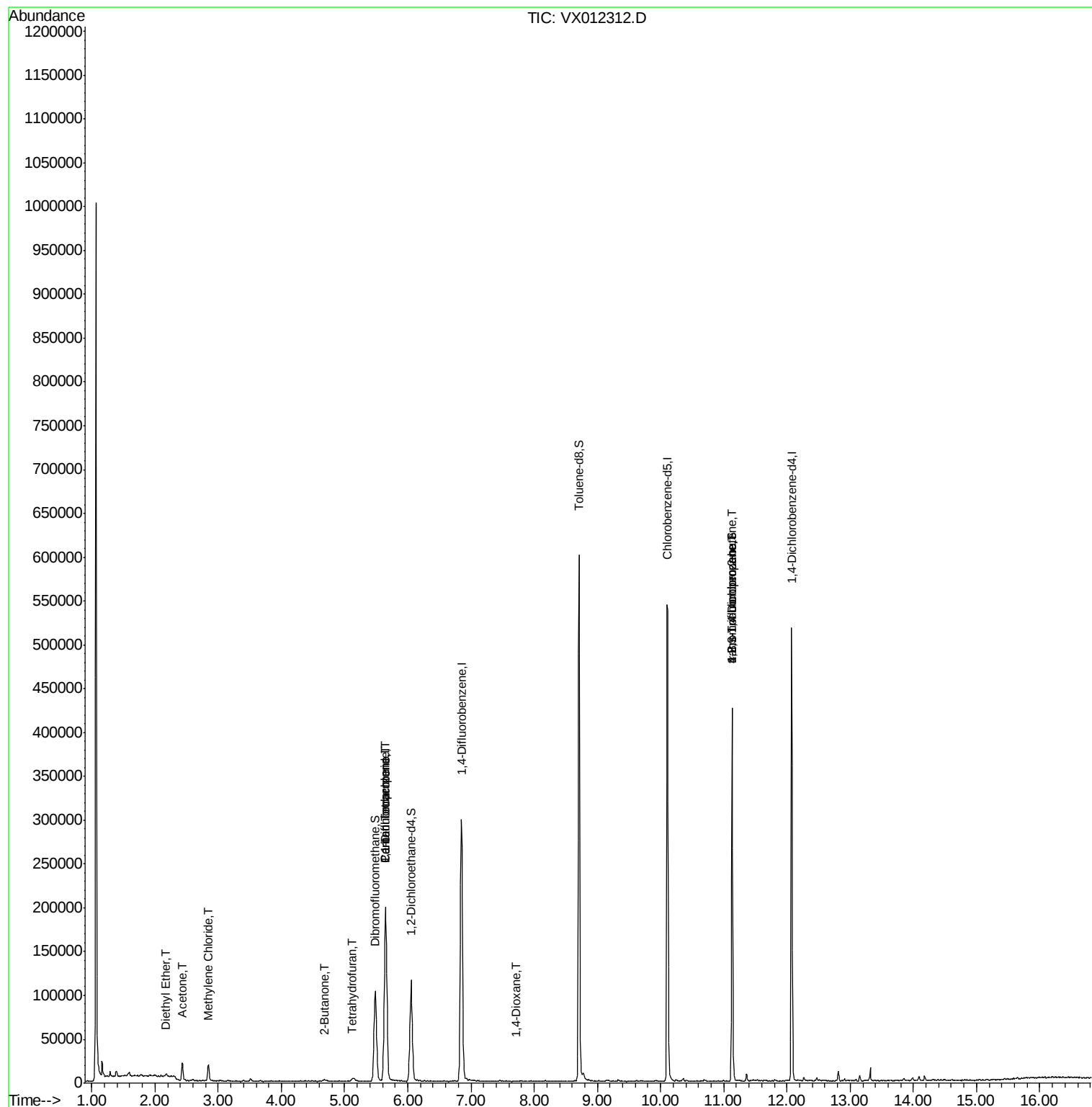
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	348	Below Cal	#	3
8) Diethyl Ether	2.17	74	1112	1.469	ug/l	78
11) Tert butyl alcohol	3.03	59	959	Below Cal		98
16) Acetone	2.43	43	22346	39.796	ug/l	94
20) Methylene Chloride	2.85	84	8300	2.220	ug/l	92
25) 2-Butanone	4.69	43	2932	4.085	ug/l	99
29) Tetrahydrofuran	5.12	42	4080	10.535	ug/l	94
36) 1,1-Dichloropropene	5.65	75	15366	7.346	ug/l #	52
38) Carbon Tetrachloride	5.65	117	18890	7.697	ug/l #	14
49) 1,4-Dioxane	7.72	88	21	1.193	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	64860	51.515	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	64860	154.351	ug/l #	6

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

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

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Instrument :

MSVOA_X

ClientSampleId :

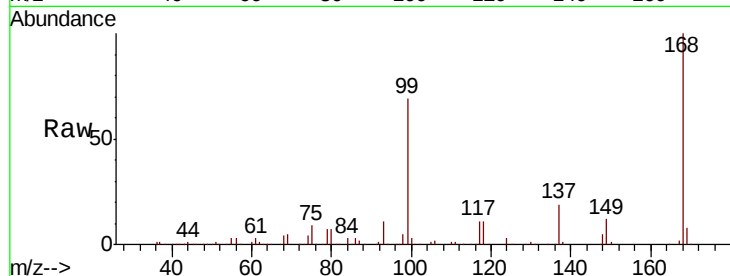
T11-B2-(4)

Tgt Ion:168 Resp: 167770

Ion Ratio Lower Upper

168 100

99 69.3 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

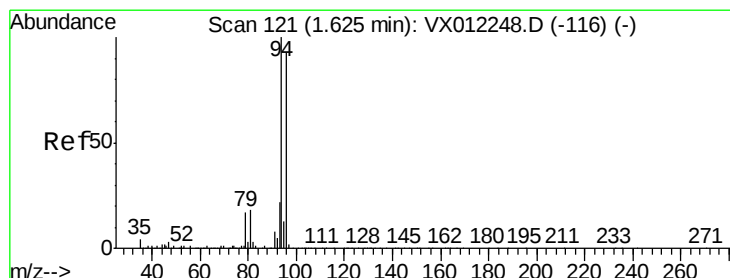
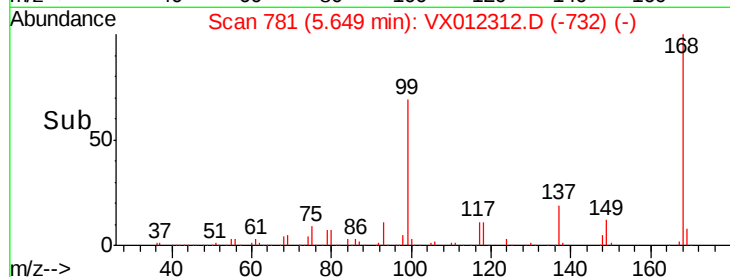
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012312.D

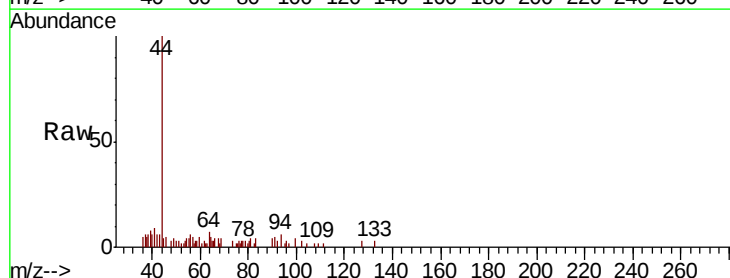
Acq: 11 Sep 2019 19:50

Tgt Ion: 94 Resp: 348

Ion Ratio Lower Upper

94 100

96 0.0 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

150

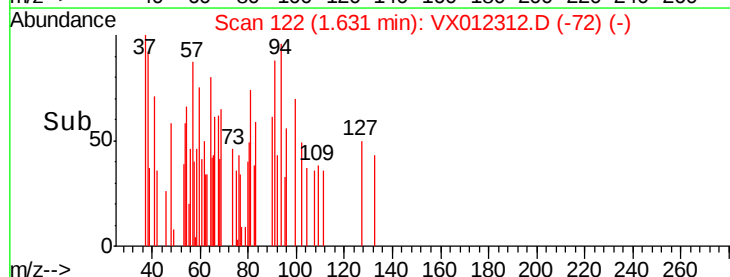
100

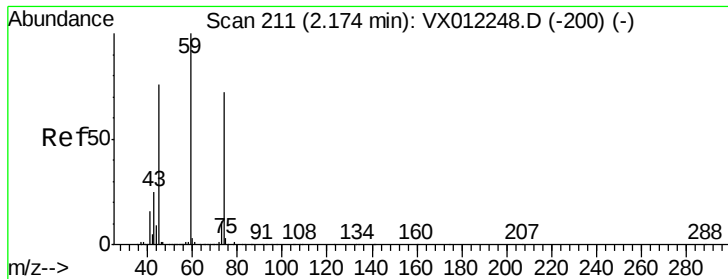
50

0

Time-->

1.60 1.65





#8

Diethyl Ether

Concen: 1.469 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012312.D

Acq: 11 Sep 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

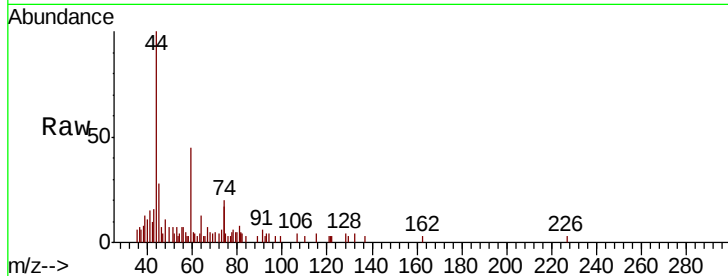
T11-B2-(4)

Tgt Ion: 74 Resp: 1112

Ion Ratio Lower Upper

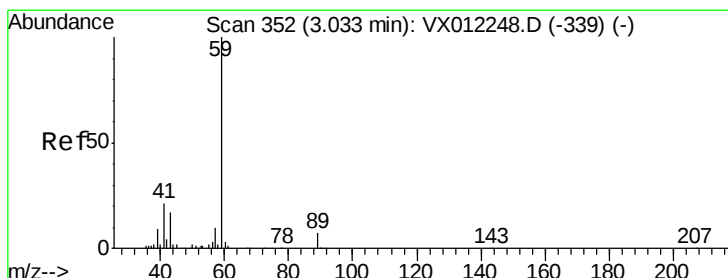
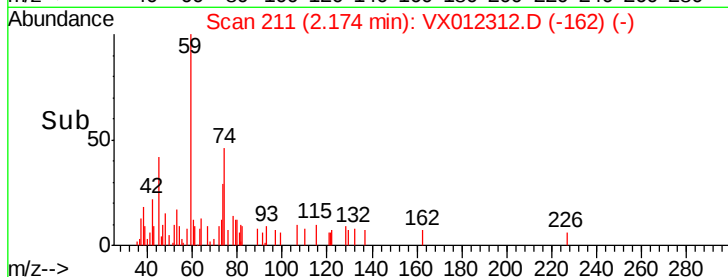
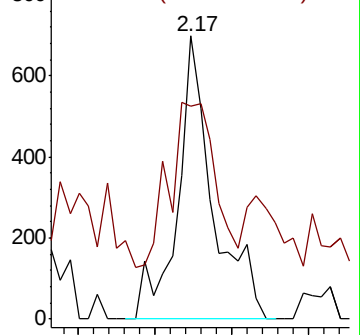
74 100

45 80.8 51.3 153.9



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.03 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX012312.D

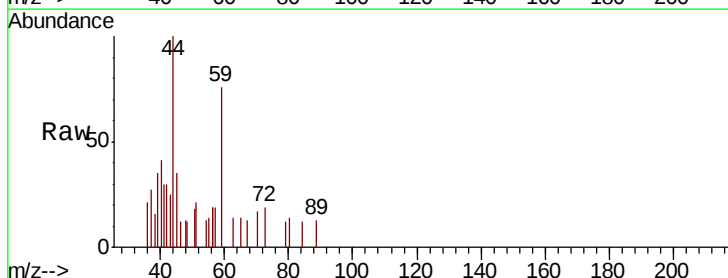
Acq: 11 Sep 2019 19:50

Tgt Ion: 59 Resp: 959

Ion Ratio Lower Upper

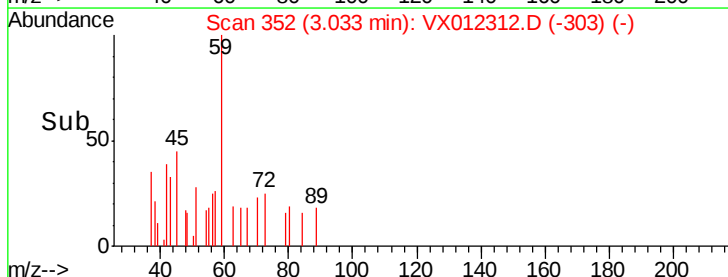
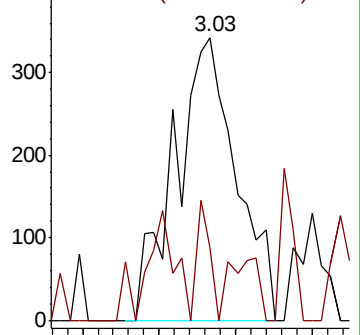
59 100

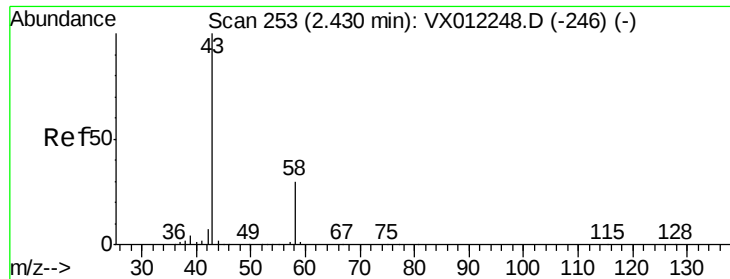
57 8.9 7.8 11.6



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 39.796 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012312.D

Acq: 11 Sep 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

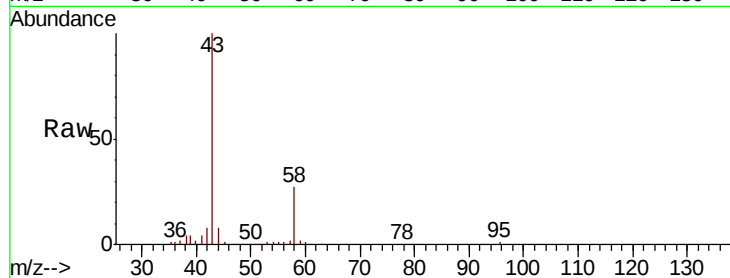
T11-B2-(4)

Tgt Ion: 43 Resp: 22346

Ion Ratio Lower Upper

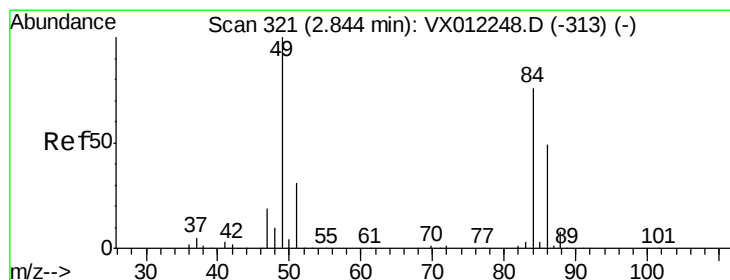
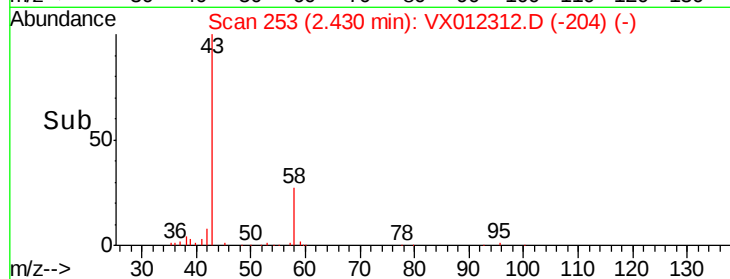
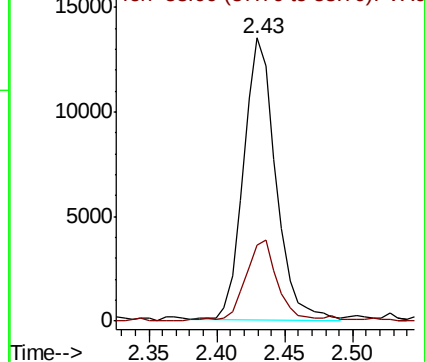
43 100

58 26.4 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 2.220 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.01 min

Lab File: VX012312.D

Acq: 11 Sep 2019 19:50

Tgt Ion: 84 Resp: 8300

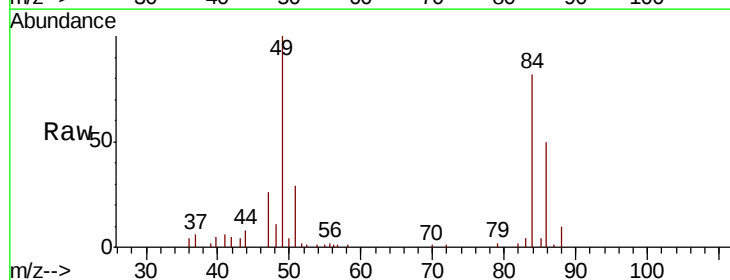
Ion Ratio Lower Upper

84 100

49 121.4 105.0 157.6

51 32.9 32.6 48.8

86 60.4 51.8 77.6

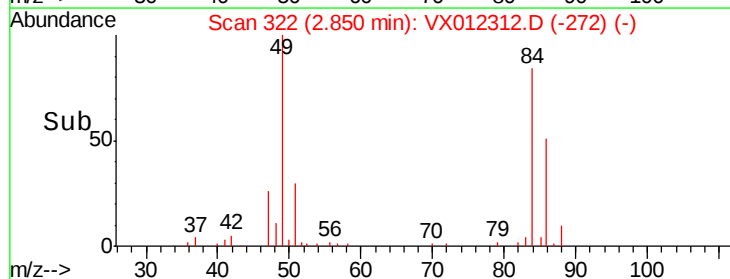
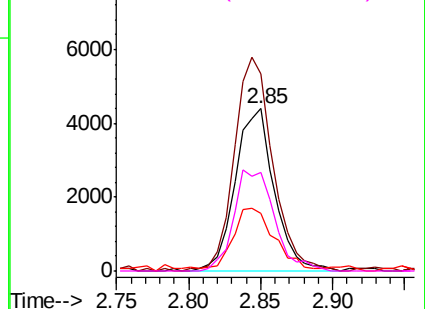


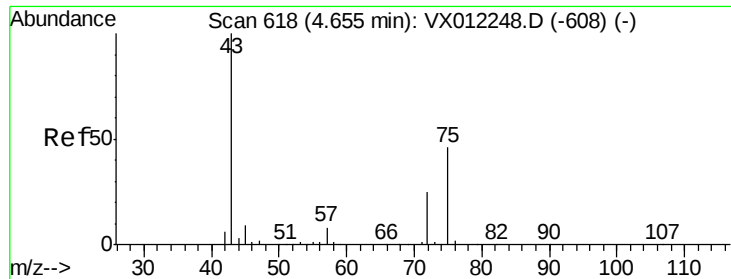
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#25

2-Butanone

Concen: 4.085 ug/l

RT: 4.69 min Scan# 623

Delta R.T. 0.03 min

Lab File: VX012312.D

Acq: 11 Sep 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

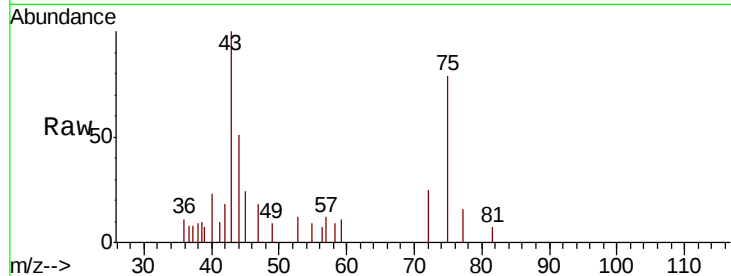
T11-B2-(4)

Tgt Ion: 43 Resp: 2932

Ion Ratio Lower Upper

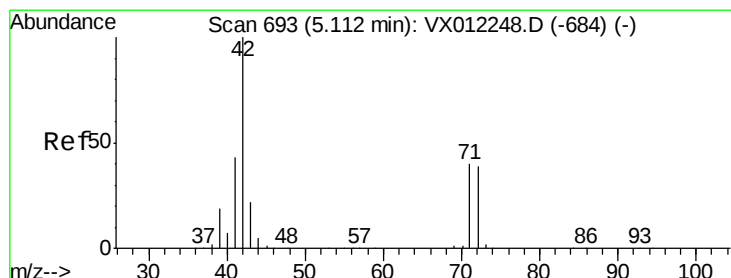
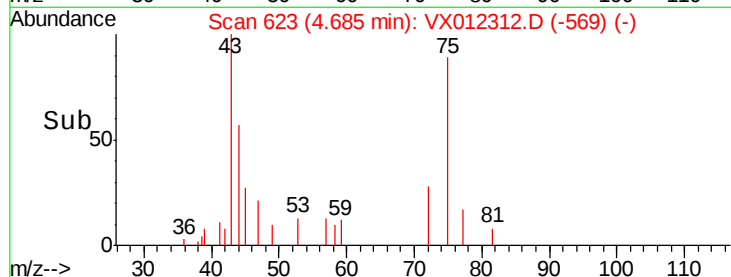
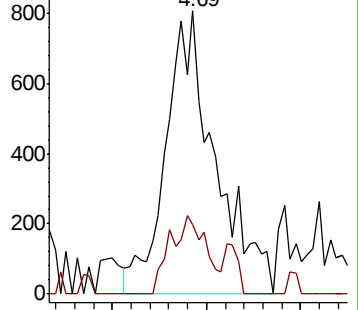
43 100

72 24.6 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 10.535 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX012312.D

Acq: 11 Sep 2019 19:50

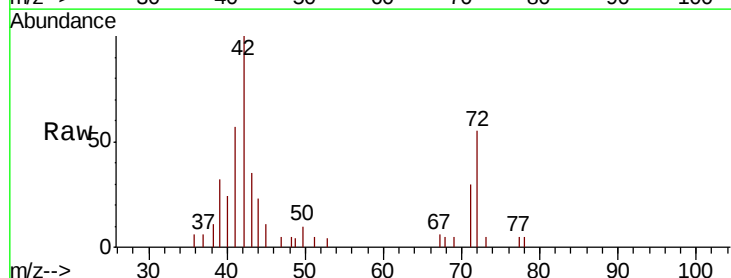
Tgt Ion: 42 Resp: 4080

Ion Ratio Lower Upper

42 100

72 50.6 35.2 52.8

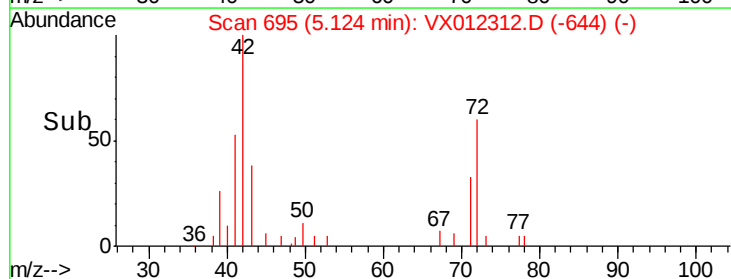
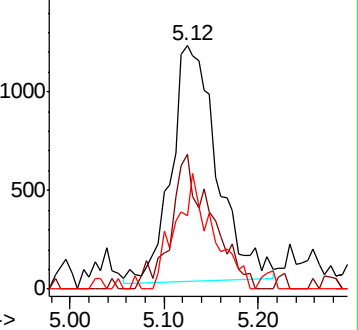
71 39.4 32.5 48.7

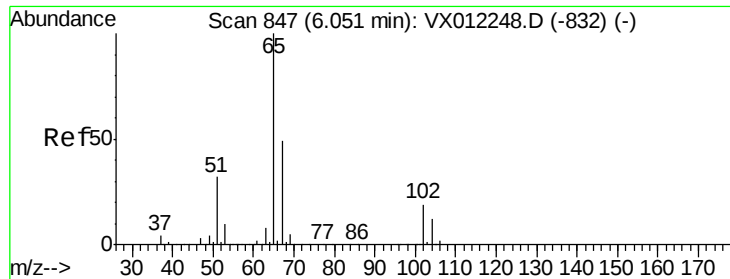


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

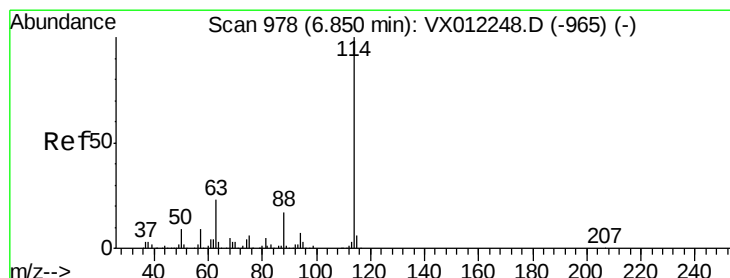
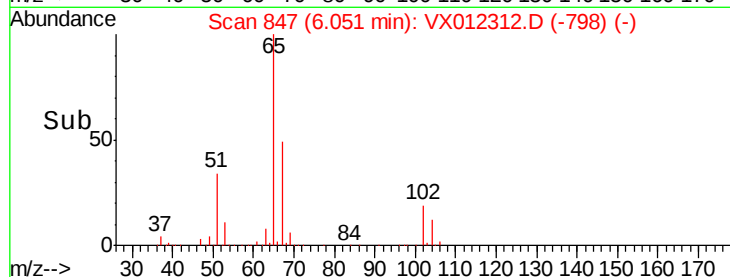
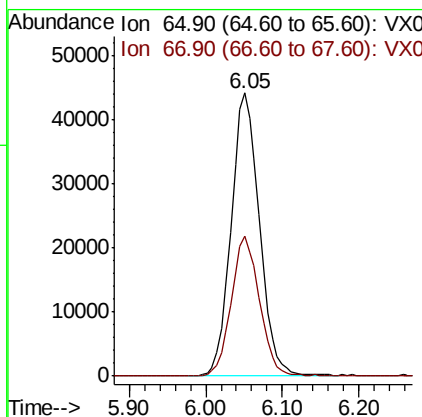
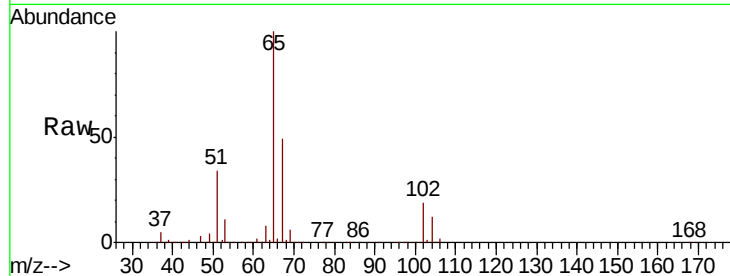




#33
 1,2-Dichloroethane-d4
 Concen: 47.584 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012312.D
 Acq: 11 Sep 2019 19:50

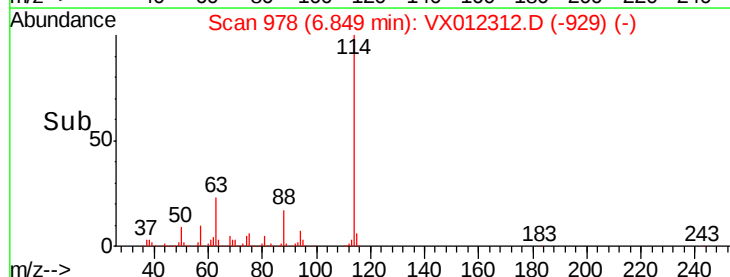
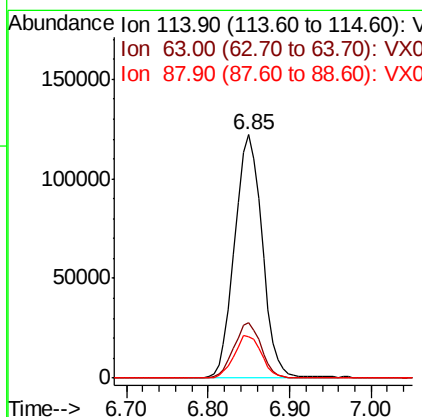
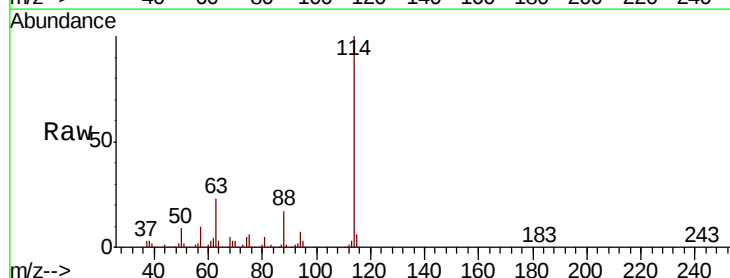
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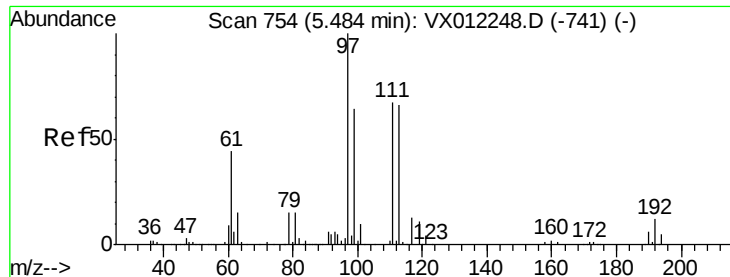
Tgt Ion: 65 Resp: 112866
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012312.D
 Acq: 11 Sep 2019 19:50

Tgt Ion: 114 Resp: 286863
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 45.2
 88 16.7 0.0 34.8

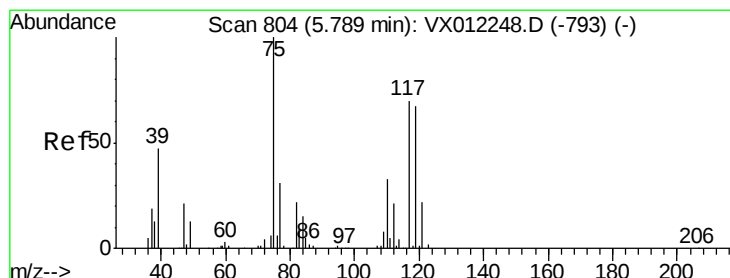
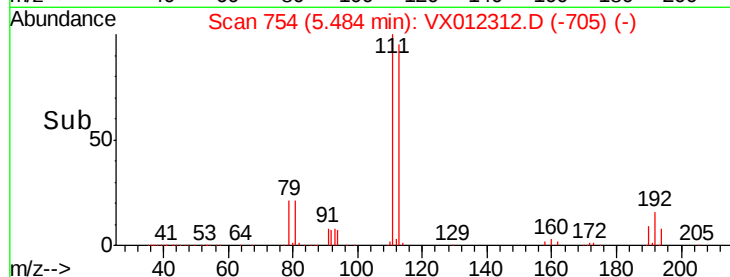
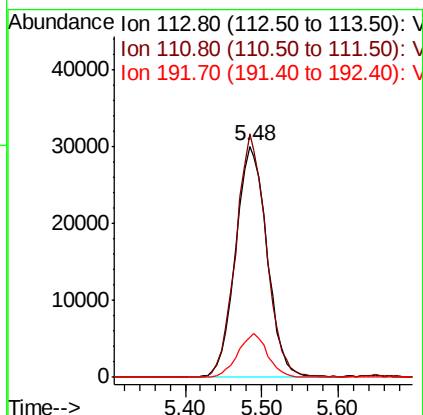
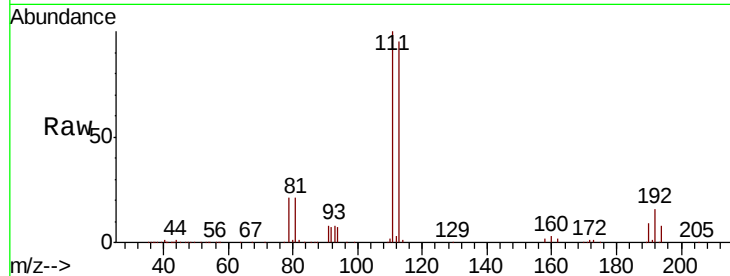




#35
 Dibromofluoromethane
 Concen: 46.709 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012312.D
 Acq: 11 Sep 2019 19:50

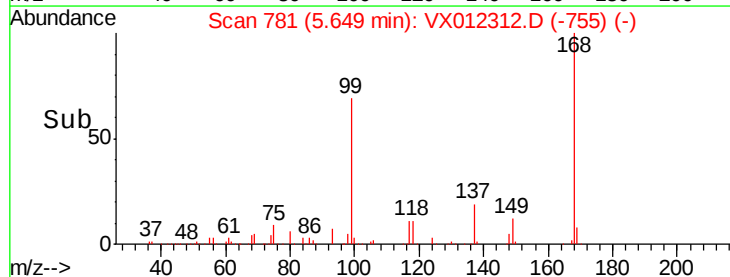
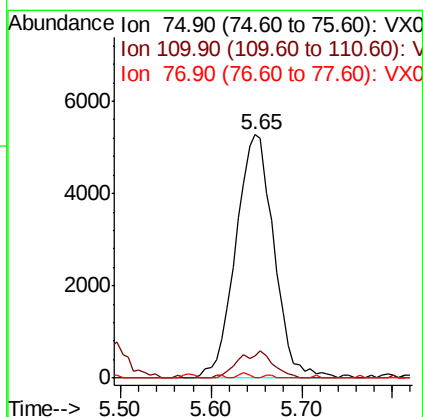
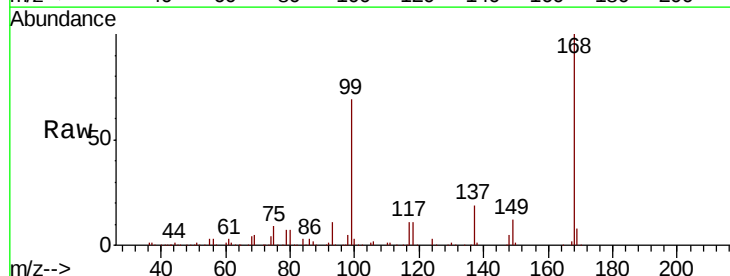
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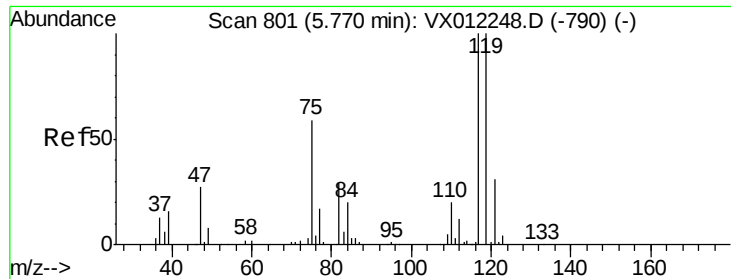
Tgt Ion:113 Resp: 85895
 Ion Ratio Lower Upper
 113 100
 111 101.7 83.0 124.6
 192 17.8 14.3 21.5



#36
 1,1-Dichloropropene
 Concen: 7.346 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012312.D
 Acq: 11 Sep 2019 19:50

Tgt Ion: 75 Resp: 15366
 Ion Ratio Lower Upper
 75 100
 110 10.1 16.8 50.4#
 77 0.3 24.5 36.7#

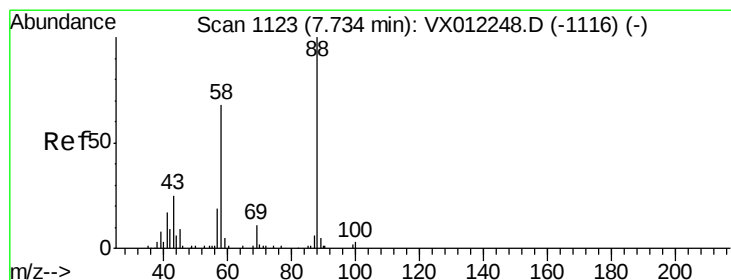
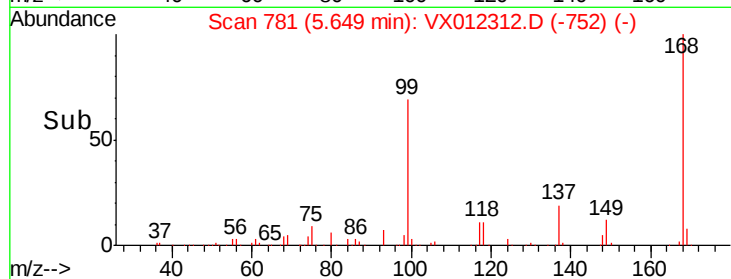
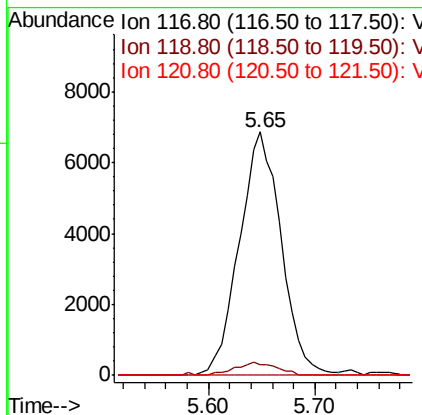
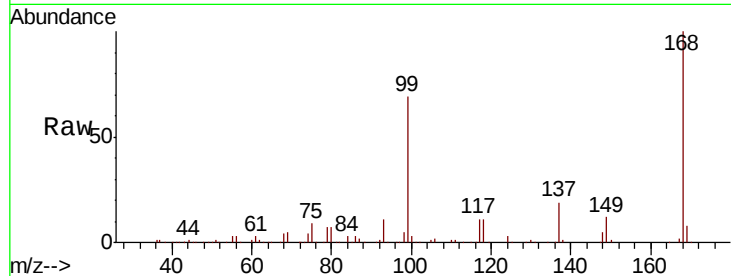




#38
 Carbon Tetrachloride
 Concen: 7.697 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012312.D
 Acq: 11 Sep 2019 19:50

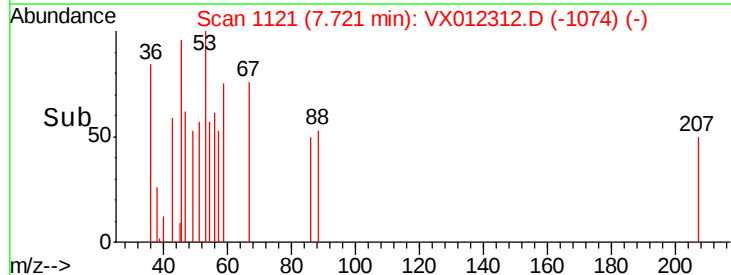
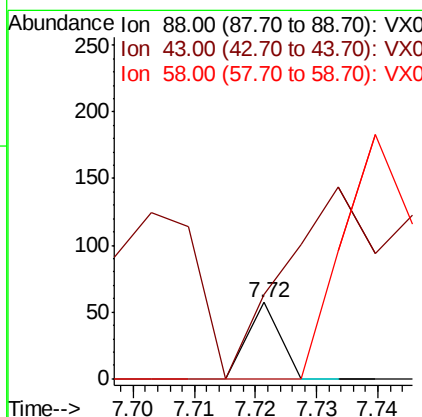
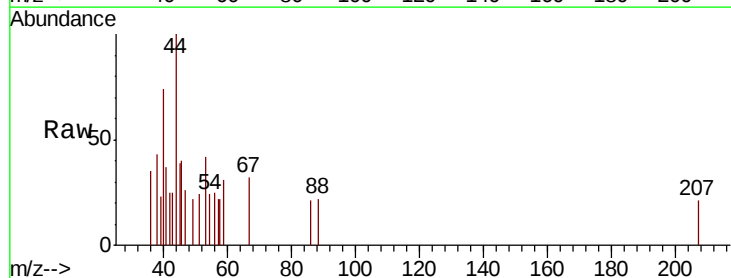
Instrument :
 MSVOA_X
 ClientSampleId :
 T11-B2-(4)

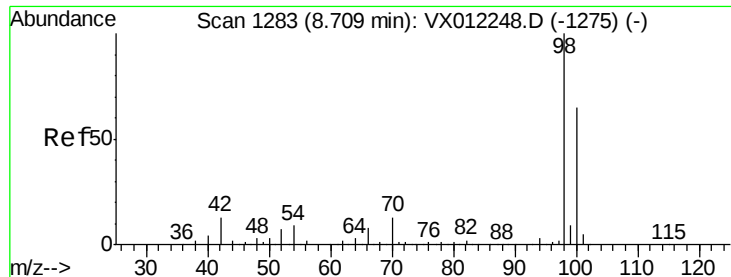
Tgt Ion: 117 Resp: 18890
 Ion Ratio Lower Upper
 117 100
 119 4.3 79.6 119.4#
 121 0.0 24.7 37.1#



#49
 1,4-Dioxane
 Concen: 1.193 ug/l
 RT: 7.72 min Scan# 1121
 Delta R.T. -0.01 min
 Lab File: VX012312.D
 Acq: 11 Sep 2019 19:50

Tgt Ion: 88 Resp: 21
 Ion Ratio Lower Upper
 88 100
 43 1242.9 31.0 46.4#
 58 776.2 61.5 92.3#

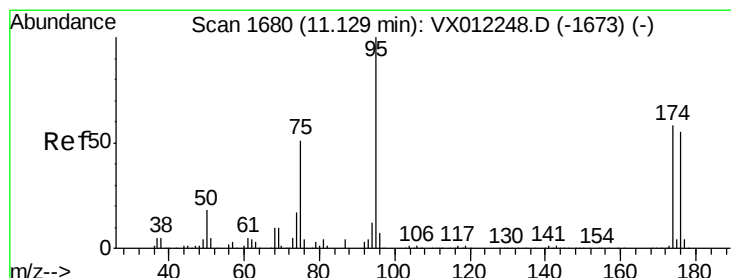
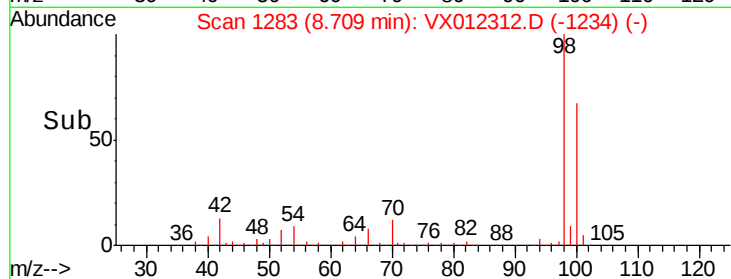
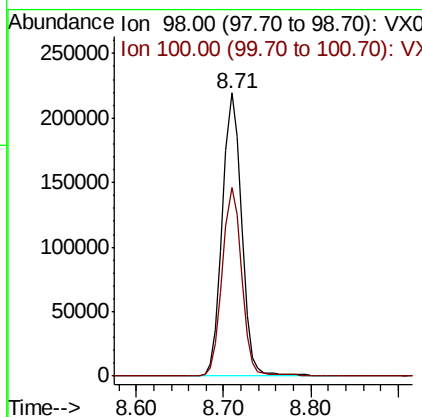
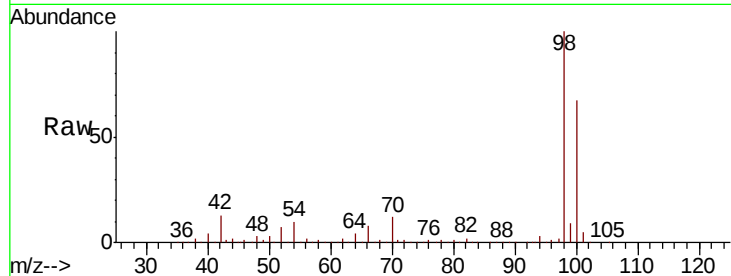




#50
Toluene-d8
Concen: 52.375 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012312.D
Acq: 11 Sep 2019 19:50

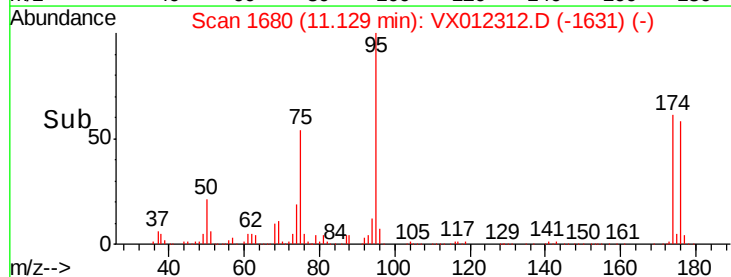
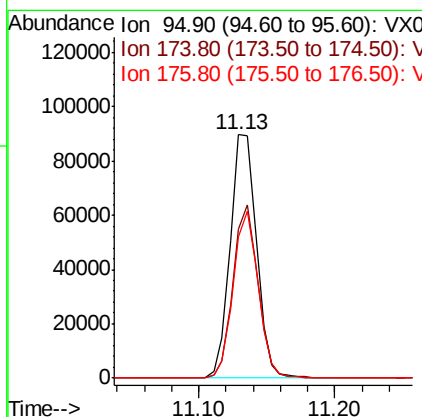
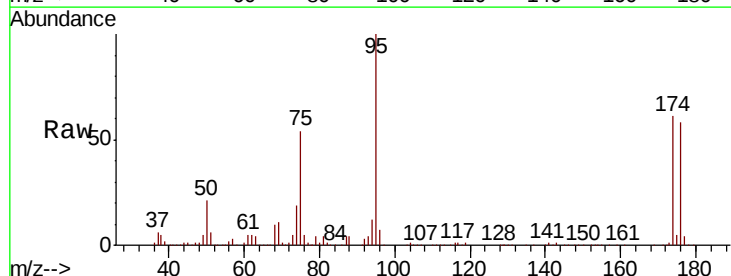
Instrument :
MSVOA_X
ClientSampleId :
T11-B2-(4)

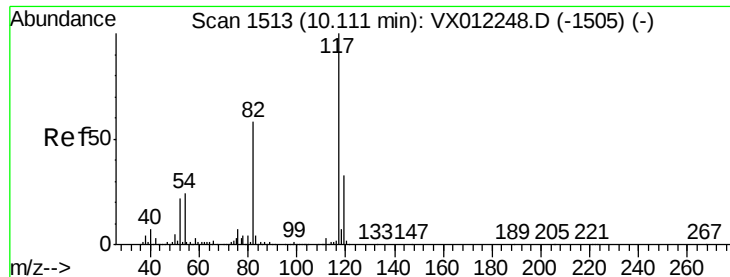
Tgt Ion: 98 Resp: 337807
Ion Ratio Lower Upper
98 100
100 67.0 54.1 81.1



#62
4-Bromofluorobenzene
Concen: 40.747 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX012312.D
Acq: 11 Sep 2019 19:50

Tgt Ion: 95 Resp: 121837
Ion Ratio Lower Upper
95 100
174 67.3 0.0 127.0
176 65.1 0.0 125.8

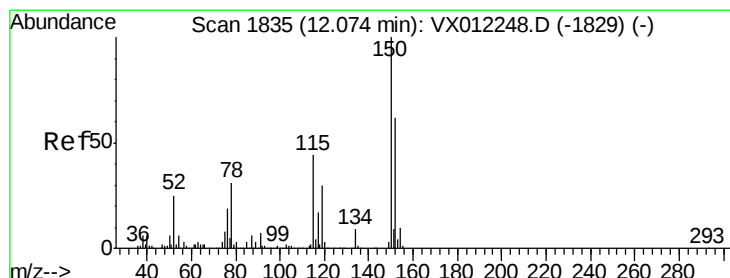
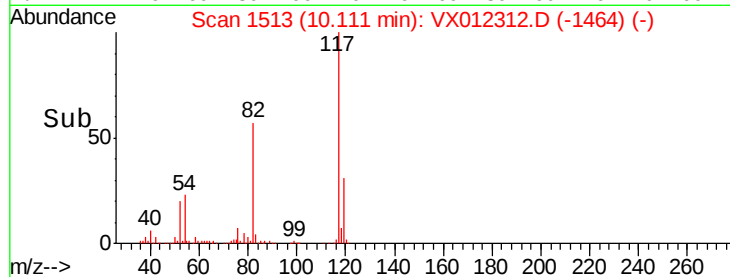
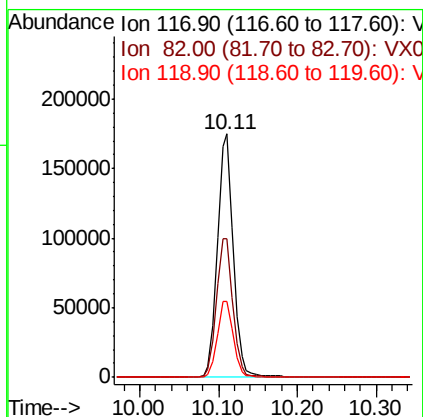
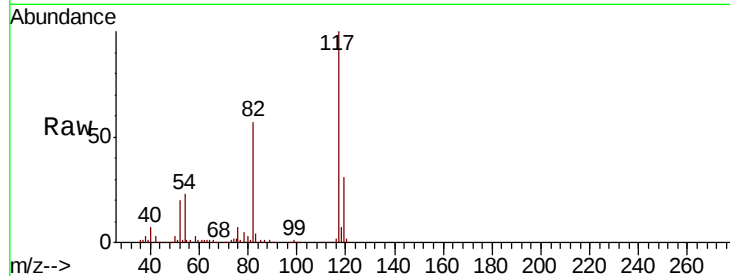




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012312.D
Acq: 11 Sep 2019 19:50

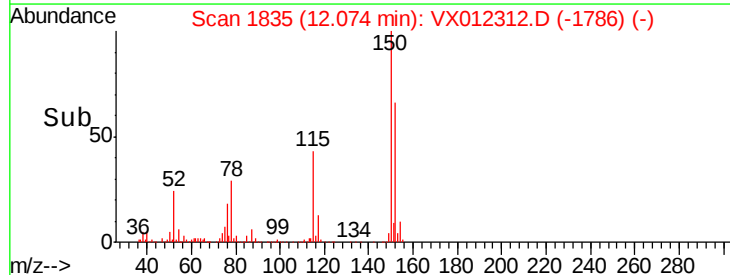
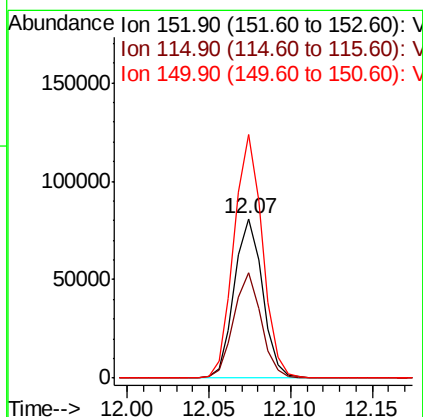
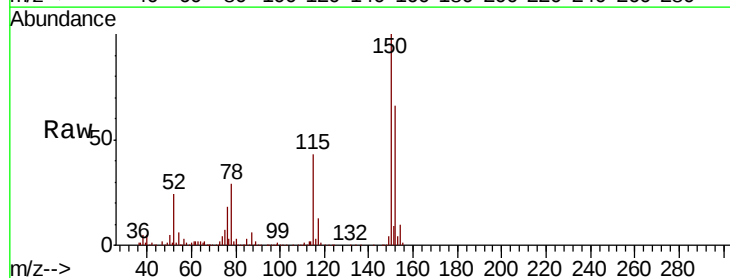
Instrument :
MSVOA_X
ClientSampleId :
T11-B2-(4)

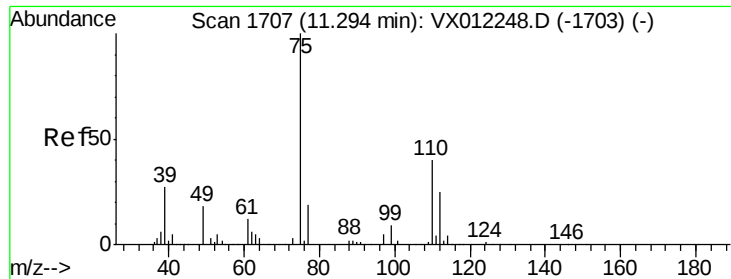
Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.2	46.4	69.6
119	31.1	26.6	39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012312.D
Acq: 11 Sep 2019 19:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.3	45.5	136.4
150	154.1	0.0	346.4





#76

1,2,3-Trichloropropane

Concen: 51.515 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012312.D

Acq: 11 Sep 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

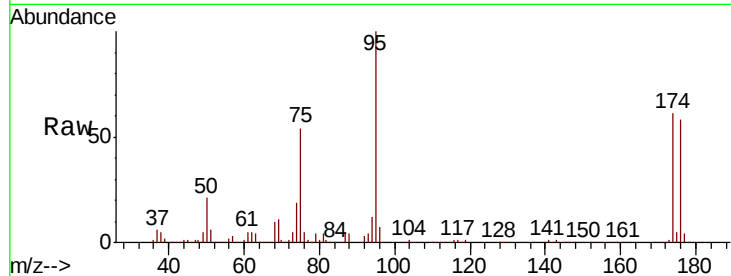
T11-B2-(4)

Tgt Ion: 75 Resp: 64860

Ion Ratio Lower Upper

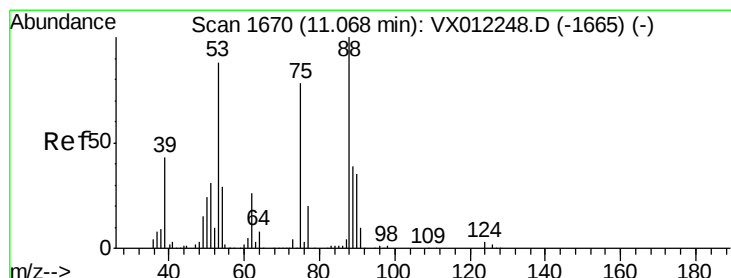
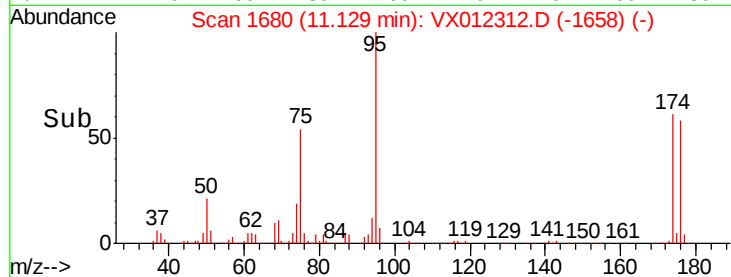
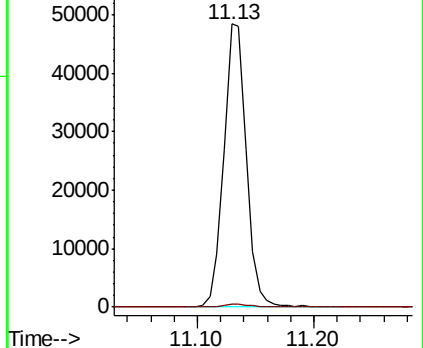
75 100

77 1.2 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: 154.351 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012312.D

Acq: 11 Sep 2019 19:50

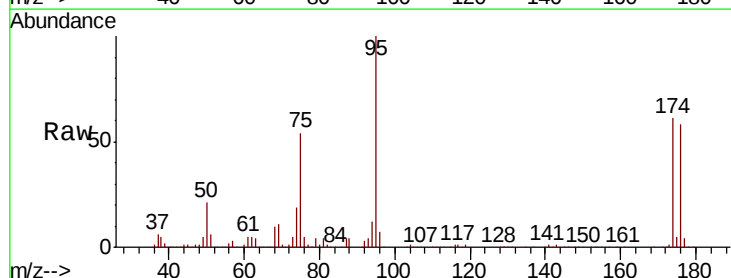
Tgt Ion: 75 Resp: 64860

Ion Ratio Lower Upper

75 100

53 0.3 88.1 132.1#

89 0.1 43.5 65.3#



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

