

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112919\
 Data File : VX013707.D
 Acq On : 29 Nov 2019 17:33
 Operator : JC/SP
 Sample : K5965-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S39-ER-2019-1

Quant Time: Nov 29 22:30:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	674519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1036122	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	909312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	413477	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	372068	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	
35) Dibromofluoromethane	5.49	113	304636	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	
50) Toluene-d8	8.71	98	1219681	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	
62) 4-Bromofluorobenzene	11.13	95	408968	45.44	ug/l	0.00
Spiked Amount			Recovery	=	90.88%	

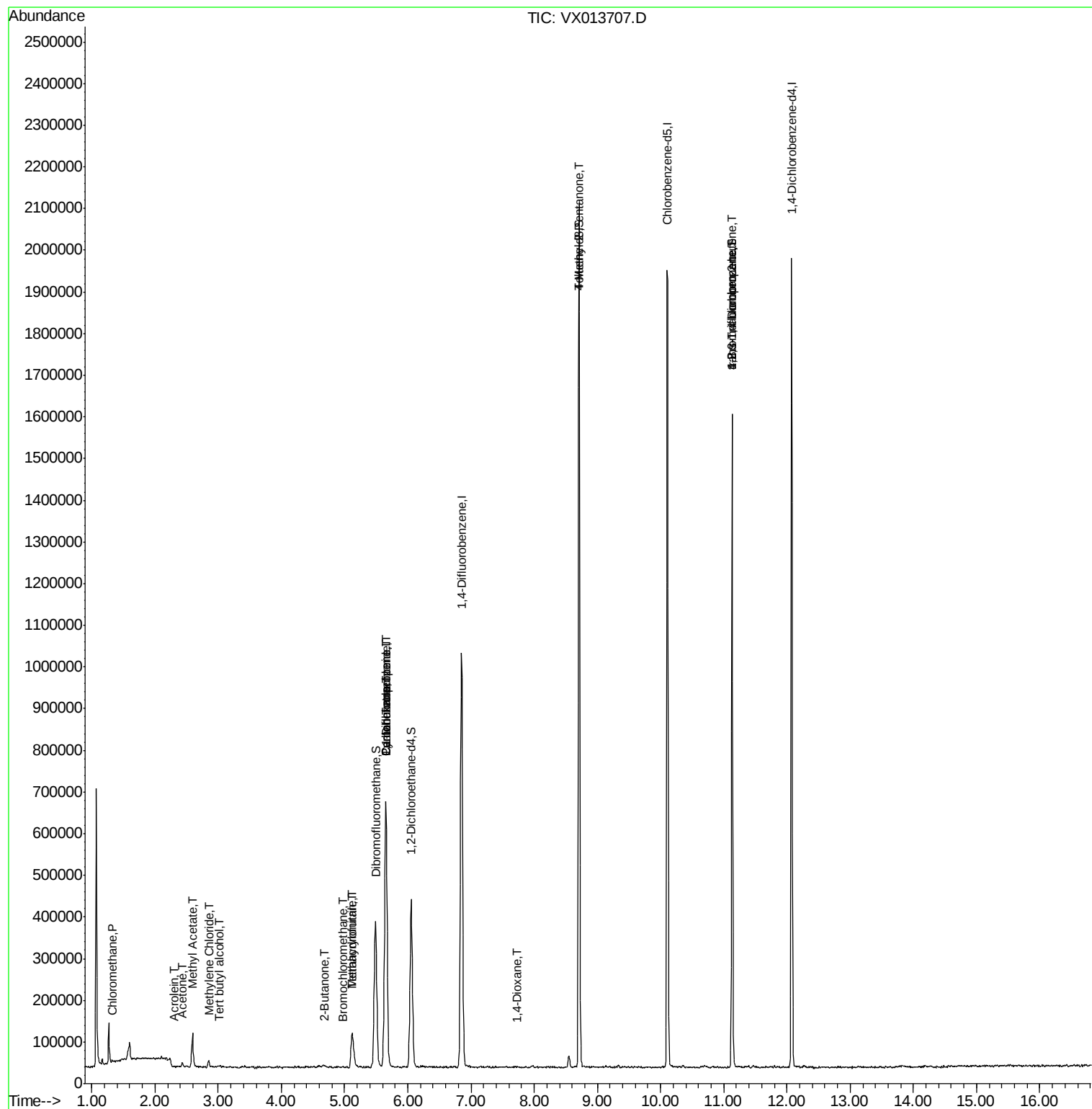
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2057	0.244	ug/l #	82
11) Tert butyl alcohol	3.01	59	4785	2.476	ug/l #	83
13) Acrolein	2.30	56	386	6.295	ug/l #	1
16) Acetone	2.43	43	9254	2.394	ug/l	95
18) Methyl Acetate	2.59	43	25186	2.340	ug/l #	55
20) Methylene Chloride	2.85	84	9102	1.226	ug/l #	82
25) 2-Butanone	4.67	43	7043	1.226	ug/l #	89
28) Bromochloromethane	4.98	49	1031	0.200	ug/l #	6
29) Tetrahydrofuran	5.12	42	80458	22.718	ug/l	98
31) Cyclohexane	5.65	56	11655	1.008	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	43751	4.652	ug/l #	51
38) Carbon Tetrachloride	5.65	117	57843	6.670	ug/l #	13
41) Methacrylonitrile	5.12	41	46597	8.053	ug/l #	47
49) 1,4-Dioxane	7.72	88	452	2.393	ug/l #	24
51) 4-Methyl-2-Pentanone	8.71	43	6613	0.605	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	199596	21.462	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	199596	58.717	ug/l #	11

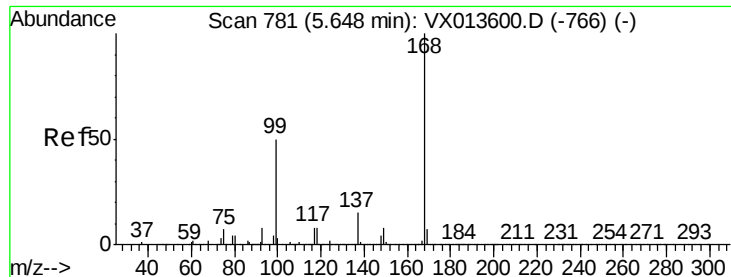
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013707.D

Acq: 29 Nov 2019 17:33

Instrument :

MSVOA_X

ClientSampled :

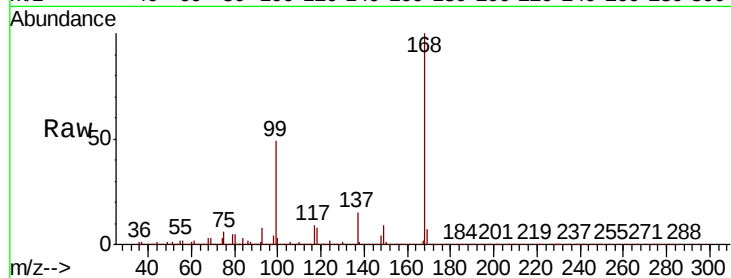
S39-ER-2019-1

Tot Ion:168 Resp: 674519

Ion Ratio Lower Upper

168 100

99 49.4 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

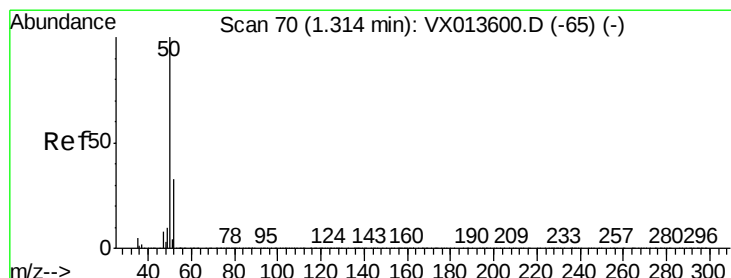
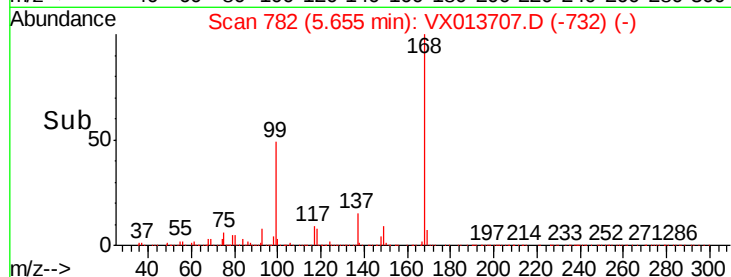
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.244 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013707.D

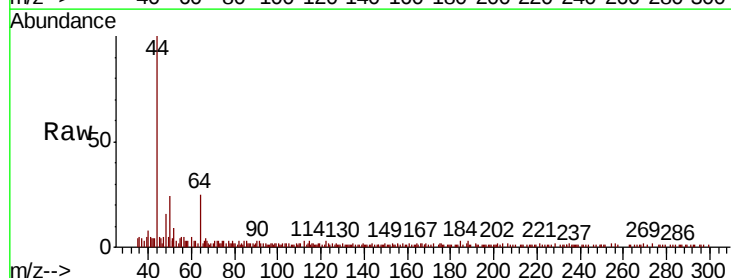
Acq: 29 Nov 2019 17:33

Tgt Ion: 50 Resp: 2057

Ion Ratio Lower Upper

50 100

52 22.5 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

2500

2000

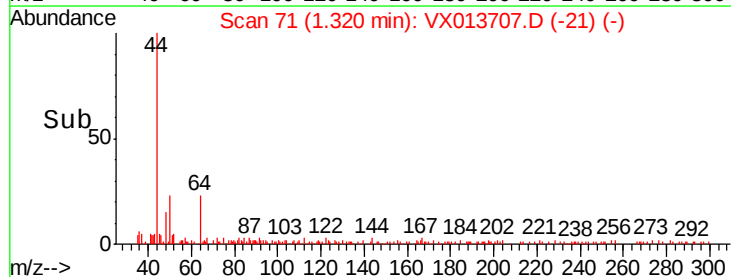
1500

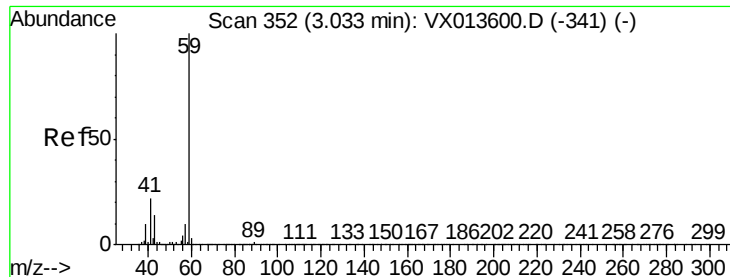
1000

500

0

Time-->

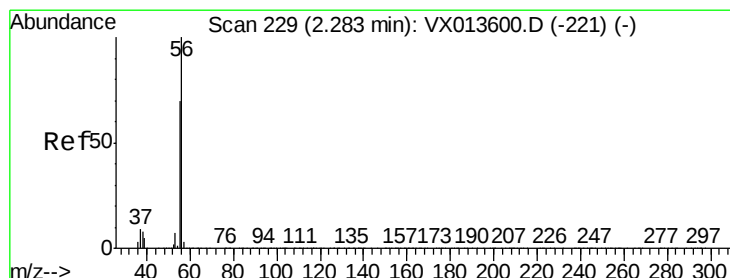
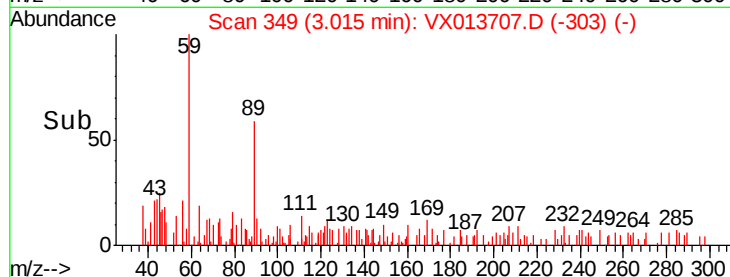
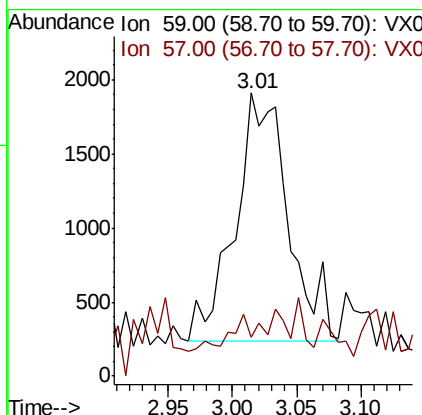
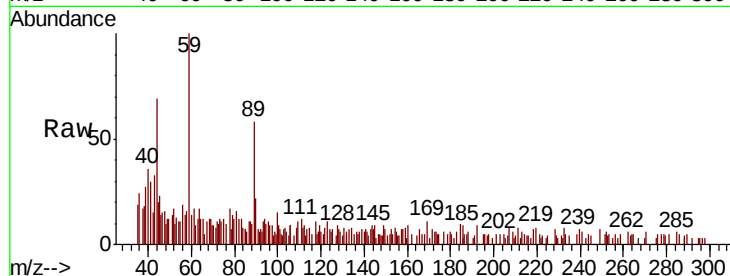




#11
Tert butyl alcohol
Concen: 2.476 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.02 min
Lab File: VX013707.D
Acq: 29 Nov 2019 17:33

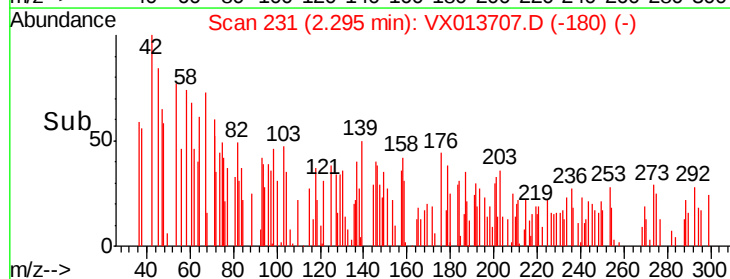
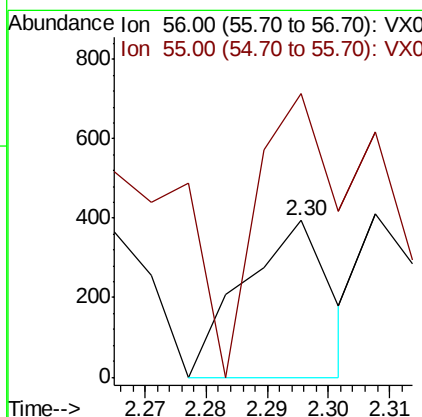
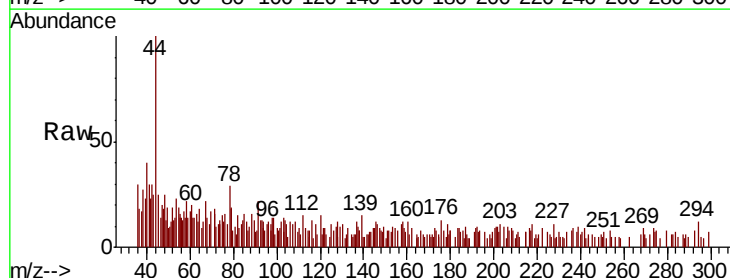
Instrument :
MSVOA_X
ClientSampled :
S39-ER-2019-1

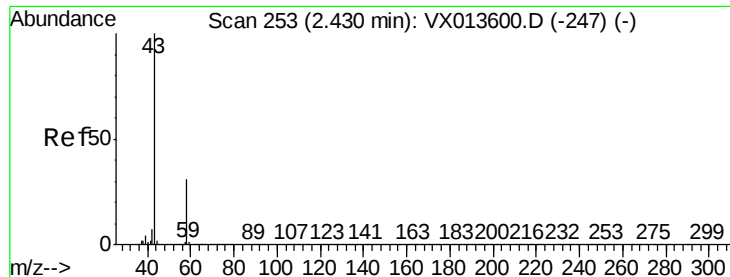
Tot Ion: 59 Resp: 4785
Ion Ratio Lower Upper
59 100
57 16.1 7.8 11.6#



#13
Acrolein
Concen: 6.295 ug/l
RT: 2.30 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX013707.D
Acq: 29 Nov 2019 17:33

Tgt Ion: 56 Resp: 386
Ion Ratio Lower Upper
56 100
55 325.1 56.2 84.4#

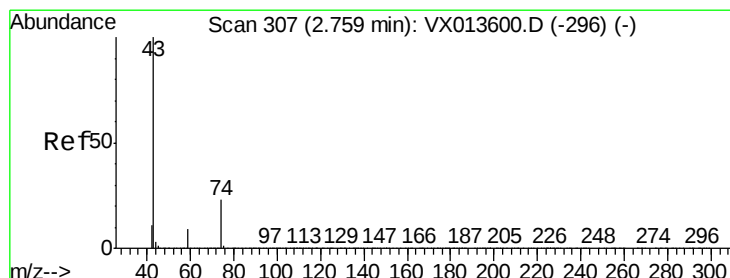
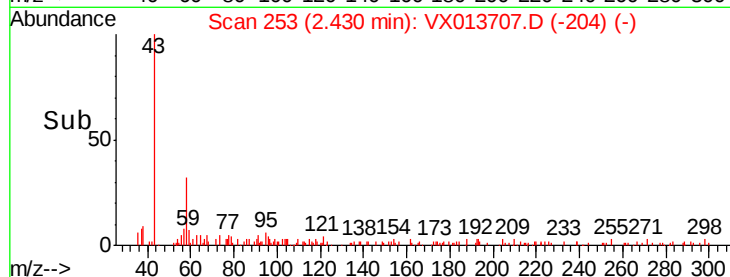
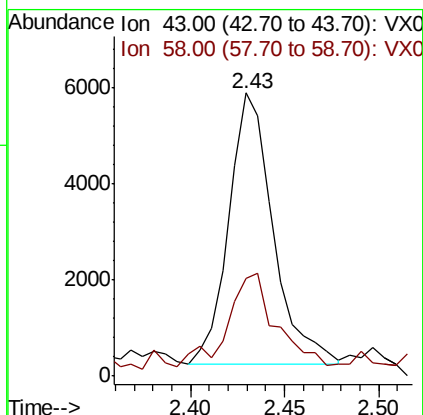
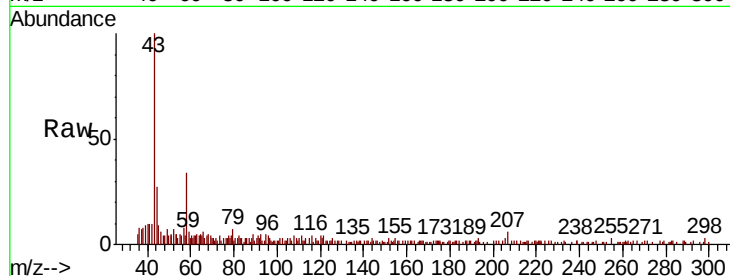




#16
Acetone
Concen: 2.394 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX013707.D
Acq: 29 Nov 2019 17:33

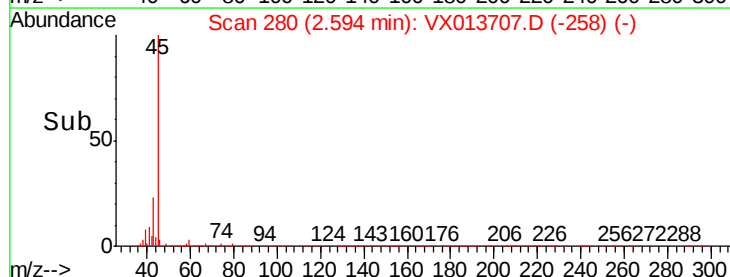
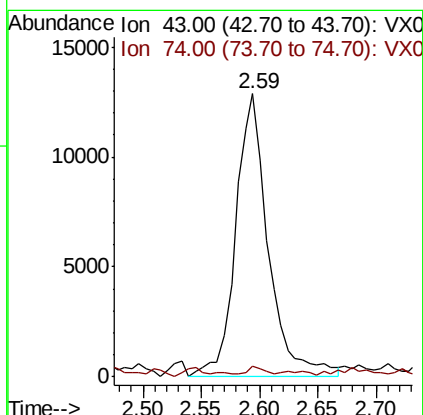
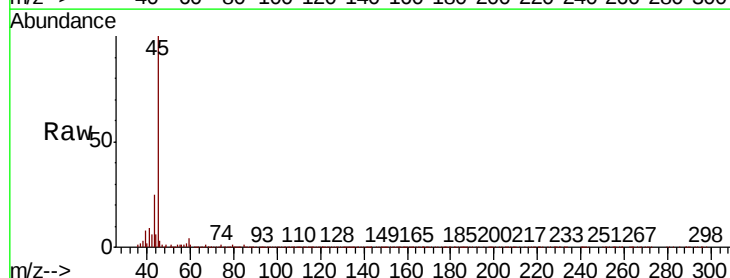
Instrument :
MSVOA_X
ClientSampleId :
S39-ER-2019-1

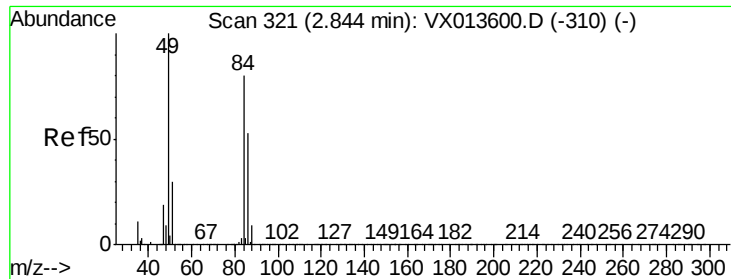
Tot Ion: 43 Resp: 9254
Ion Ratio Lower Upper
43 100
58 27.7 24.6 36.8



#18
Methyl Acetate
Concen: 2.340 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.16 min
Lab File: VX013707.D
Acq: 29 Nov 2019 17:33

Tgt Ion: 43 Resp: 25186
Ion Ratio Lower Upper
43 100
74 1.9 19.5 29.3#

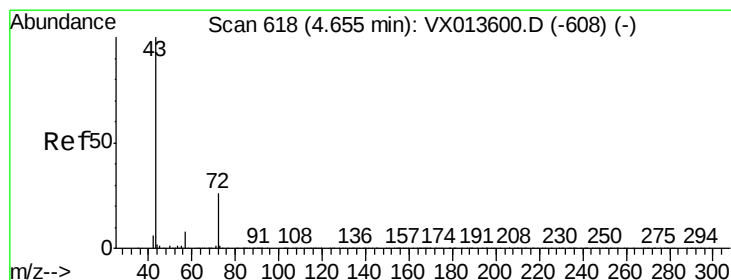
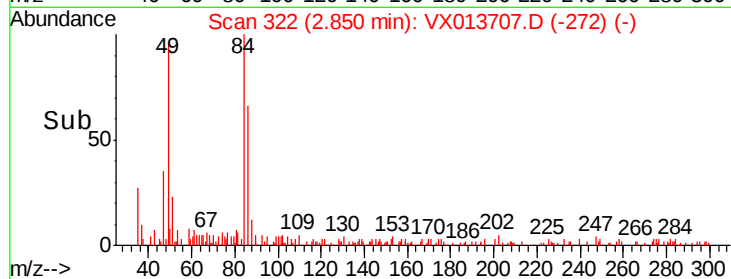
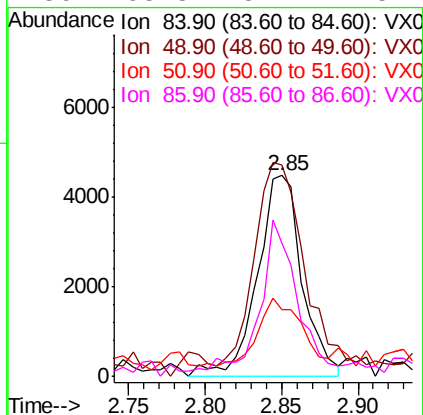
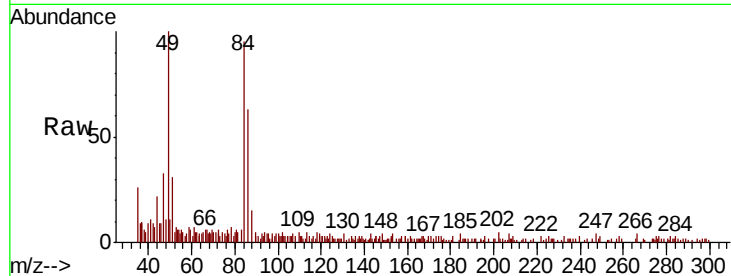




#20
Methvlene Chloride
Concen: 1.226 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013707.D
Acq: 29 Nov 2019 17:33

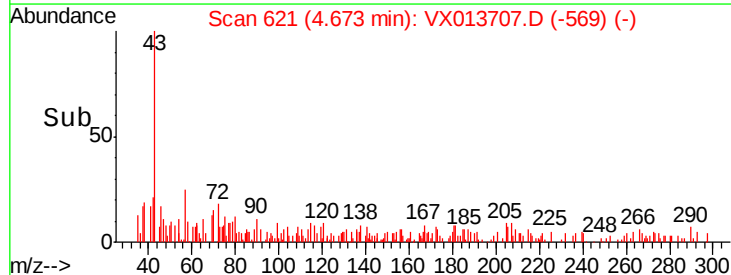
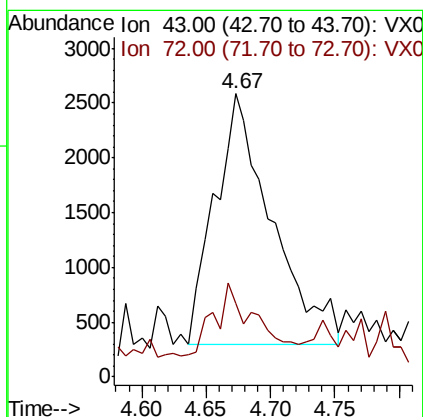
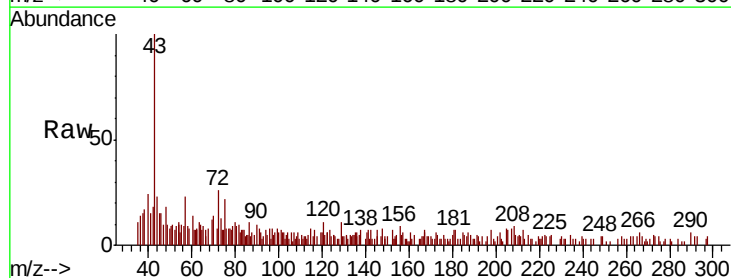
Instrument :
MSVOA_X
ClientSampleId :
S39-ER-2019-1

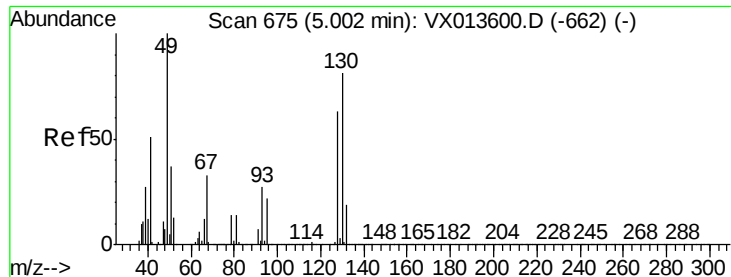
Tot Ion: 84 Resp: 9102
Ion Ratio Lower Upper
84 100
49 93.5 99.7 149.5#
51 27.3 29.9 44.9#
86 63.8 52.2 78.4



#25
2-Butanone
Concen: 1.226 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.02 min
Lab File: VX013707.D
Acq: 29 Nov 2019 17:33

Tgt Ion: 43 Resp: 7043
Ion Ratio Lower Upper
43 100
72 20.4 20.6 31.0#





#28

Bromochloromethane

Concen: 0.200 ug/l

RT: 4.98 min Scan# 671

Delta R.T. -0.02 min

Lab File: VX013707.D

Acq: 29 Nov 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

S39-ER-2019-1

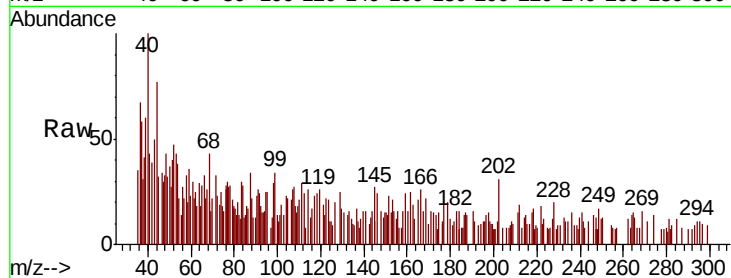
Tot Ion: 49 Resp: 1031

Ion Ratio Lower Upper

49 100

129 61.1 0.0 5.0#

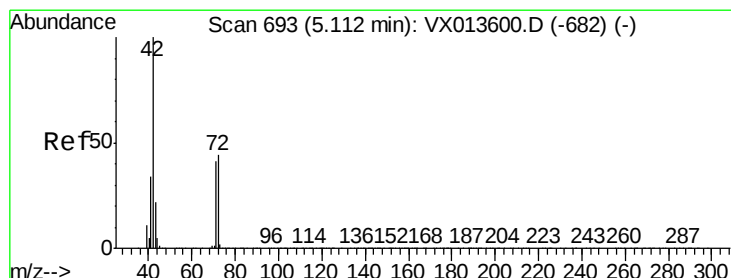
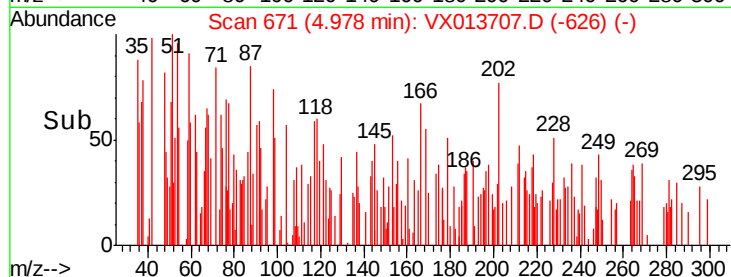
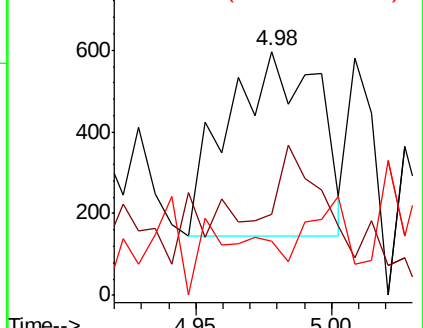
130 0.0 65.4 98.0#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 22.718 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.01 min

Lab File: VX013707.D

Acq: 29 Nov 2019 17:33

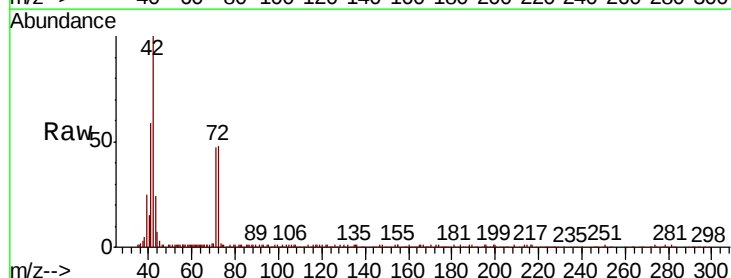
Tgt Ion: 42 Resp: 80458

Ion Ratio Lower Upper

42 100

72 45.2 36.3 54.5

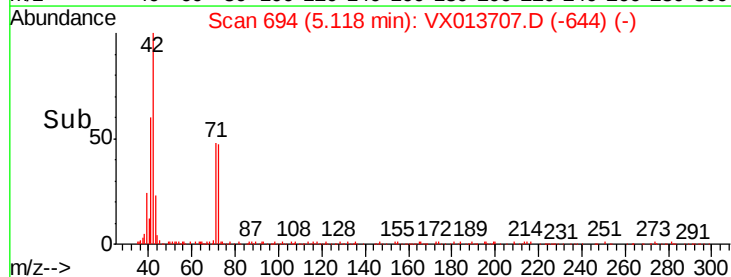
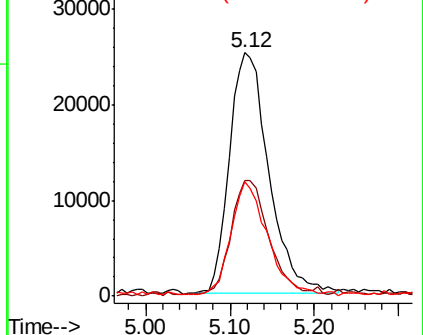
71 44.6 33.2 49.8

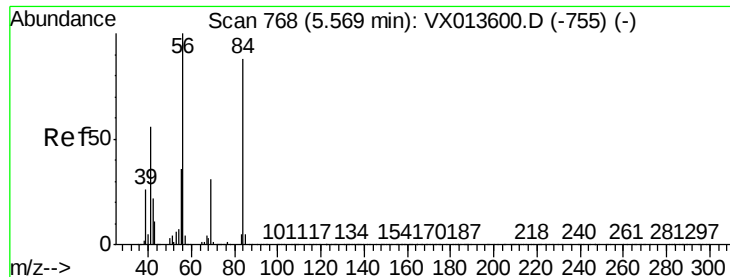


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

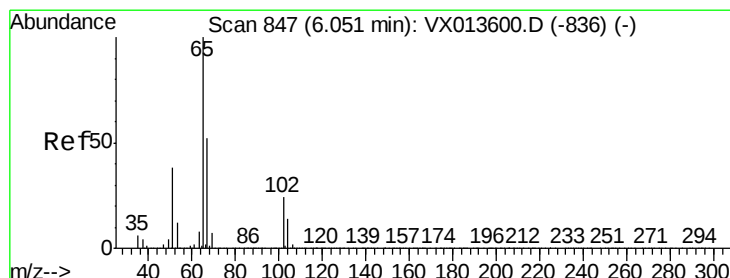
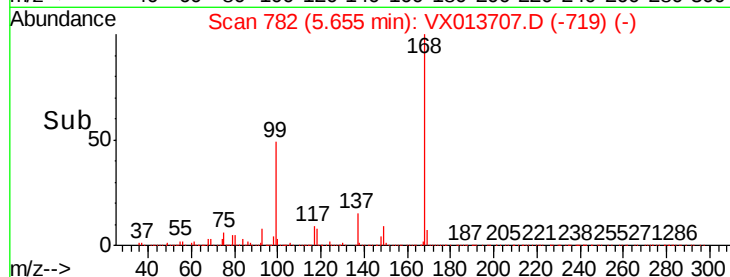
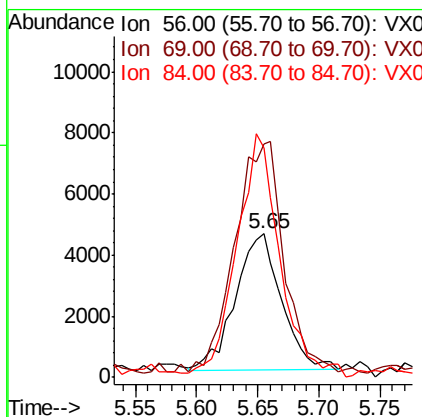
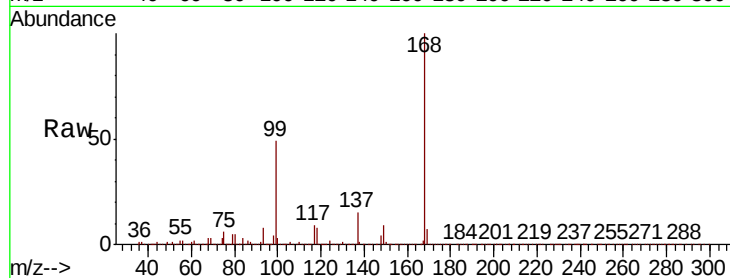




#31
Cyclohexane
Concen: 1.008 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX013707.D
Acq: 29 Nov 2019 17:33

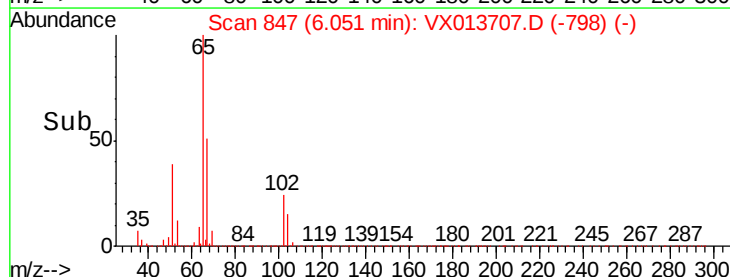
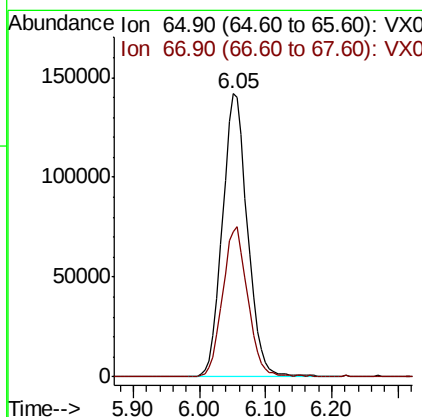
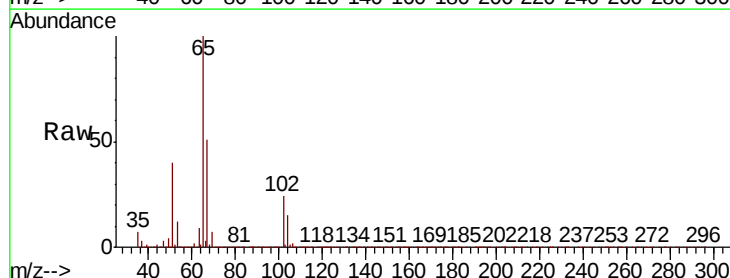
Instrument :
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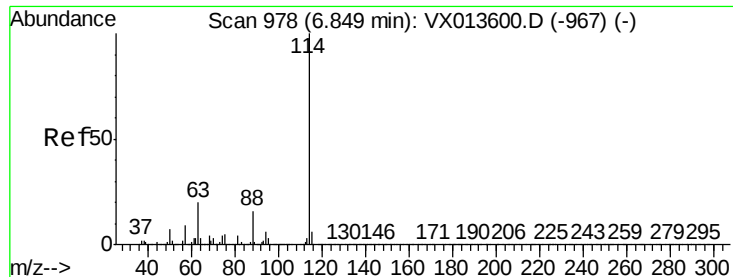
Tot Ion: 56 Resp: 11655
Ion Ratio Lower Upper
56 100
69 169.0 24.6 36.8#
84 166.2 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 47.520 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX013707.D
Acq: 29 Nov 2019 17:33

Tgt Ion: 65 Resp: 372068
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013707.D

Acq: 29 Nov 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

S39-ER-2019-1

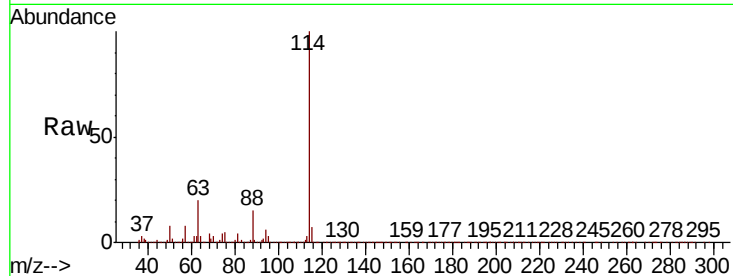
Tot Ion:114 Resp: 1036122

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.6

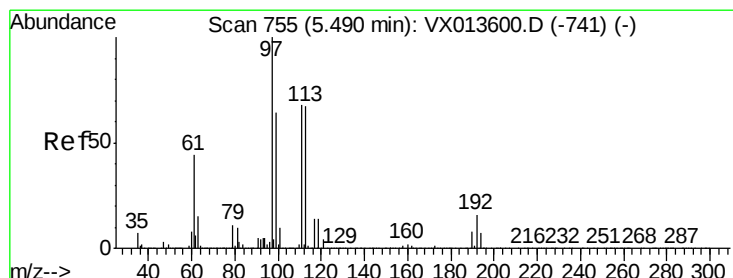
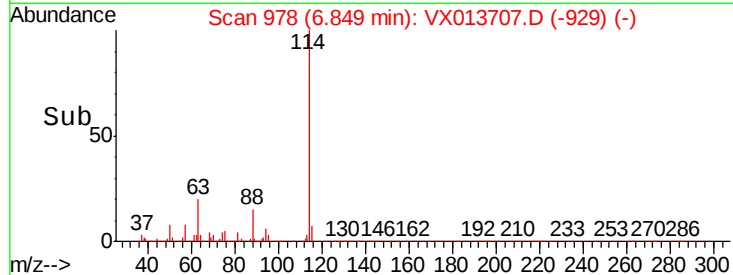
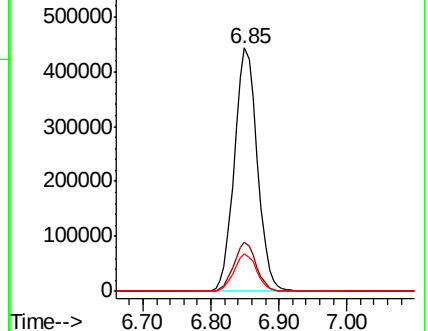
88 15.3 0.0 31.4



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: 47.559 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013707.D

Acq: 29 Nov 2019 17:33

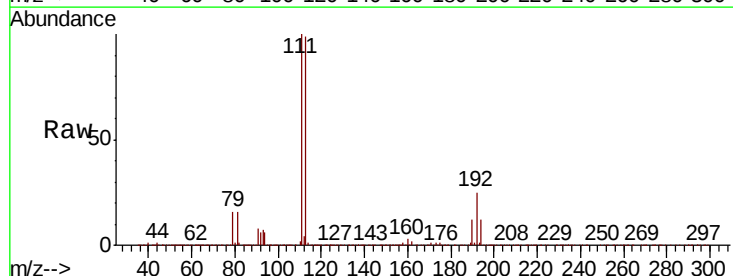
Tgt Ion:113 Resp: 304636

Ion Ratio Lower Upper

113 100

111 103.0 83.6 125.4

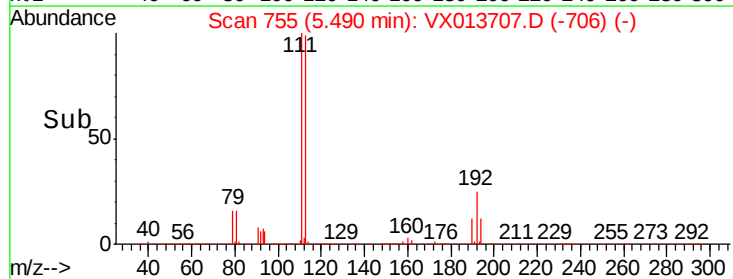
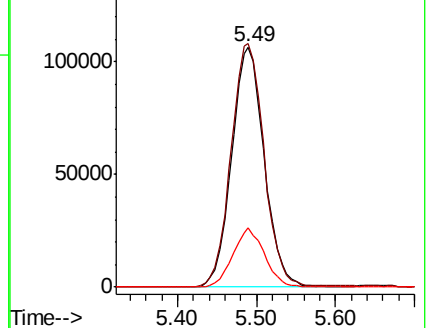
192 24.0 19.2 28.8

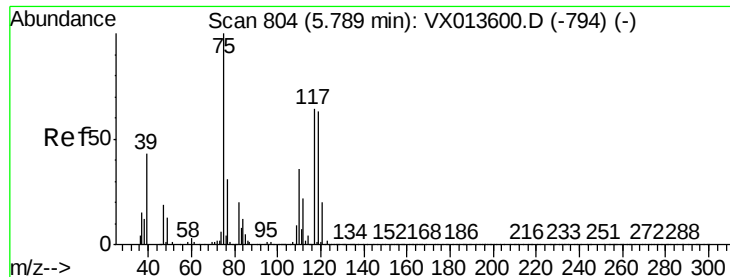


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.652 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013707.D

Acq: 29 Nov 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

S39-ER-2019-1

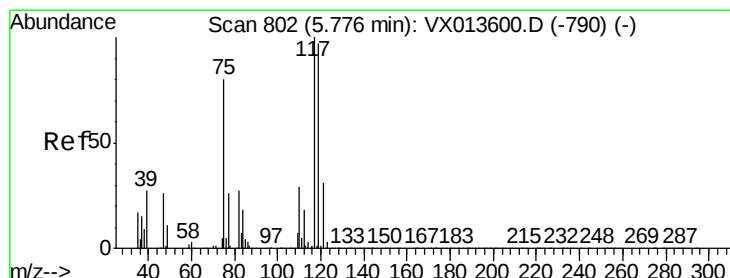
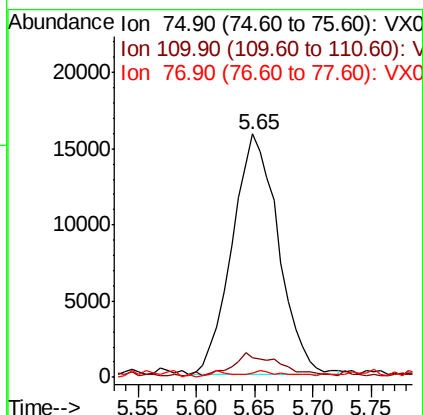
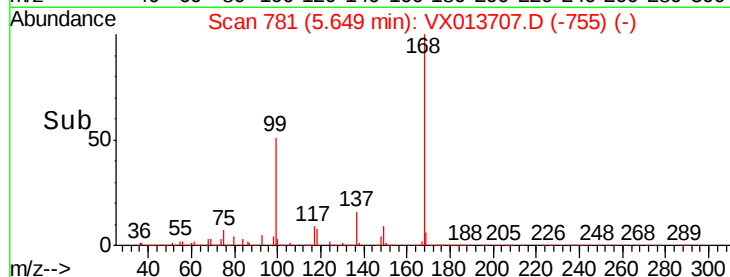
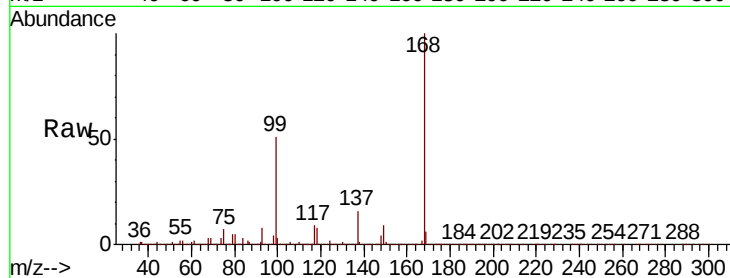
Tot Ion: 75 Resp: 43751

Ion Ratio Lower Upper

75 100

110 9.6 18.1 54.1#

77 1.4 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.670 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013707.D

Acq: 29 Nov 2019 17:33

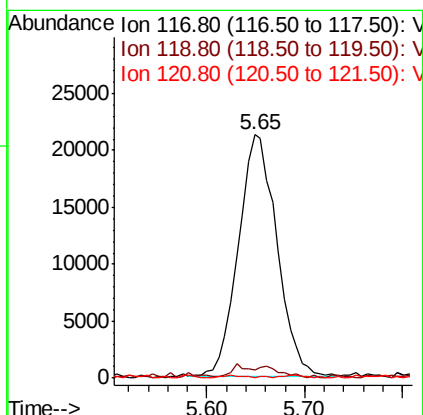
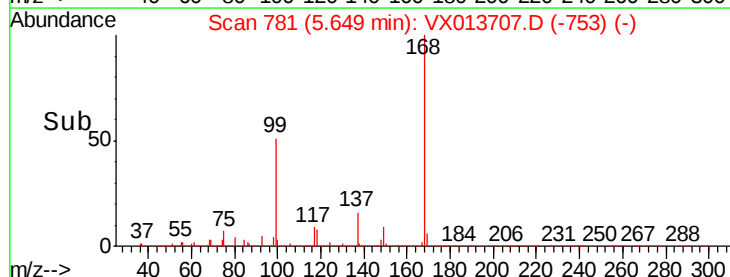
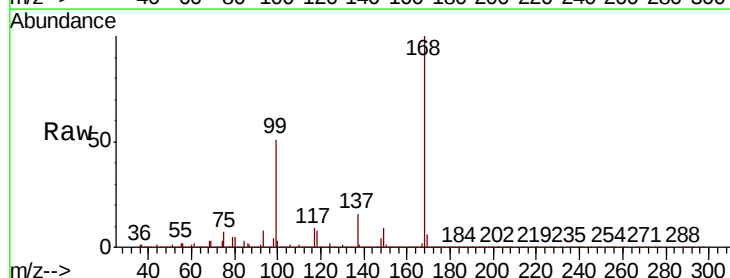
Tgt Ion: 117 Resp: 57843

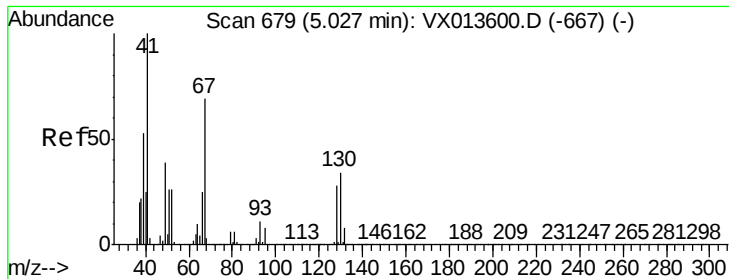
Ion Ratio Lower Upper

117 100

119 2.0 77.5 116.3#

121 0.0 25.0 37.6#

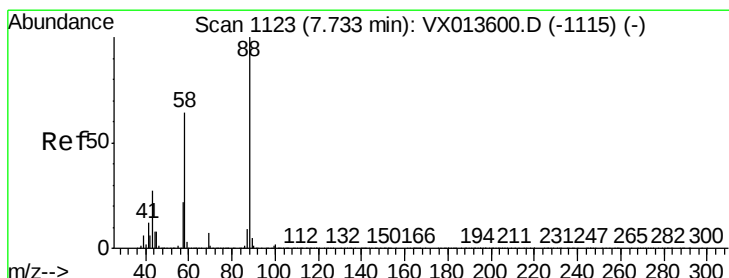
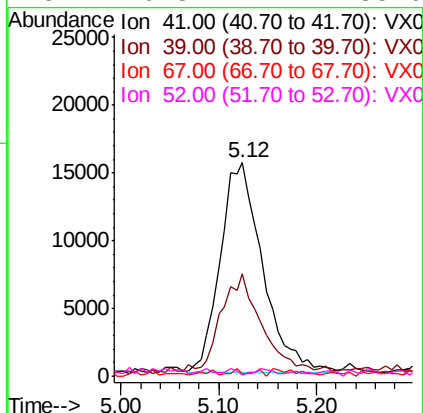
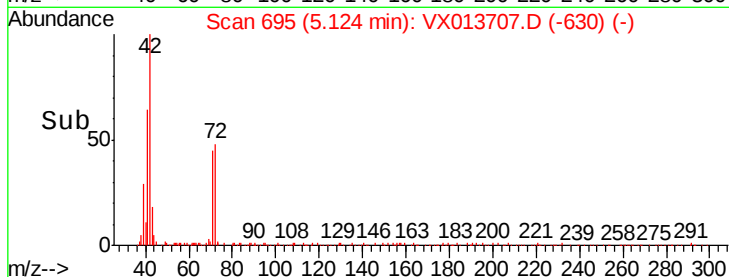
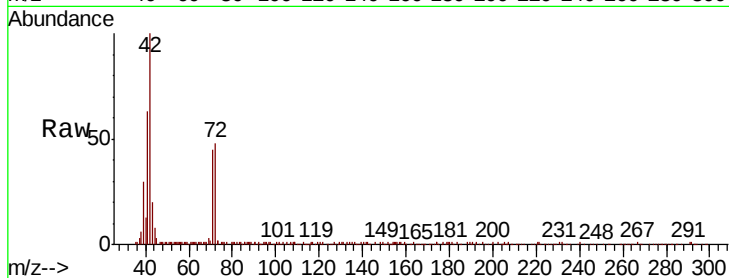




#41
Methacrylonitrile
Concen: 8.053 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.10 min
Lab File: VX013707.D
Acq: 29 Nov 2019 17:33

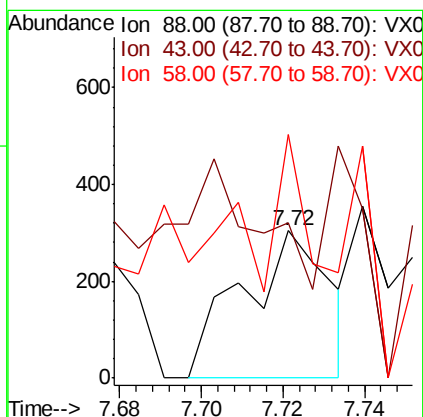
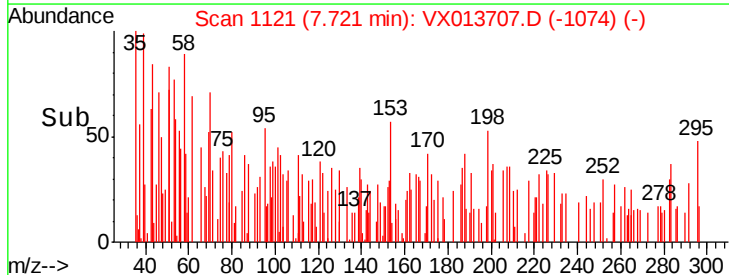
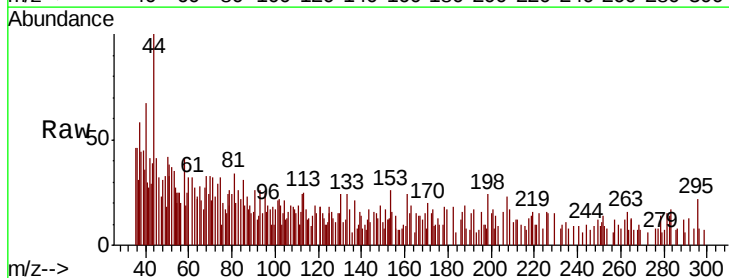
Instrument :
MSVOA_X
ClientSampleId :
S39-ER-2019-1

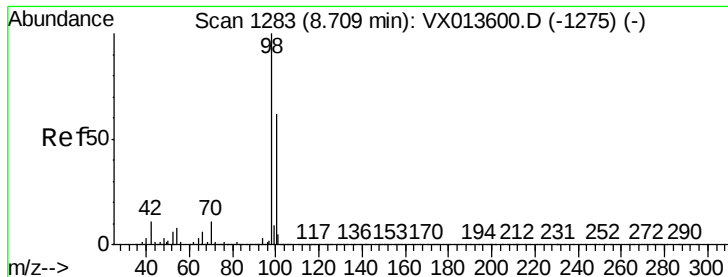
Tot Ion:	41	Resp:	46597
Ion	Ratio	Lower	Upper
41	100		
39	45.9	42.9	64.3
67	0.3	57.4	86.0#
52	0.8	22.4	33.6#



#49
1,4-Dioxane
Concen: 2.393 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VX013707.D
Acq: 29 Nov 2019 17:33

Tgt Ion:	88	Resp:	452
Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.8	38.6#
58	0.0	54.6	82.0#





#50

Toluene-d8

Concen: 48.873 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013707.D

Acq: 29 Nov 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

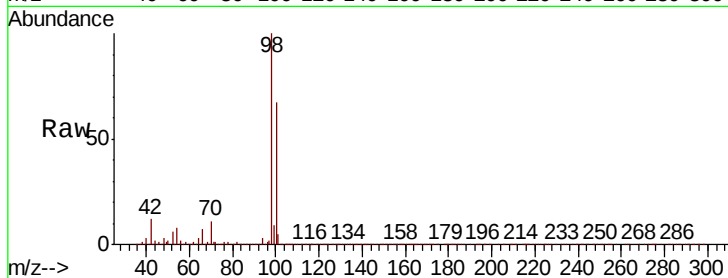
S39-ER-2019-1

Tot Ion: 98 Resp: 1219681

Ion Ratio Lower Upper

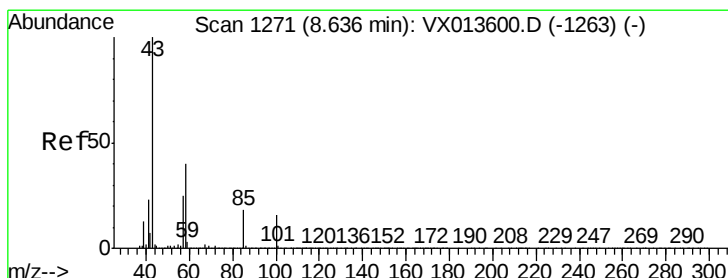
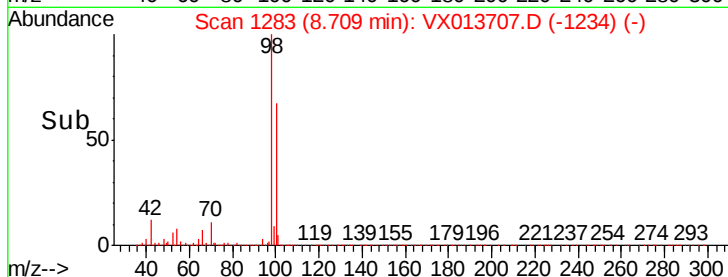
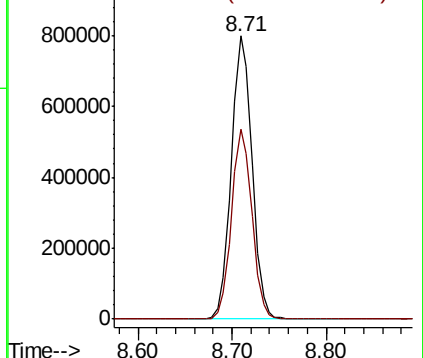
98 100

100 66.1 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 0.605 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX013707.D

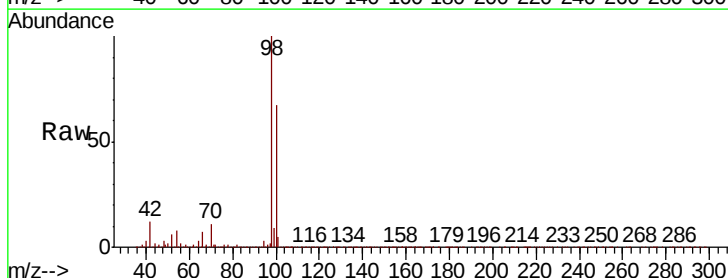
Acq: 29 Nov 2019 17:33

Tgt Ion: 43 Resp: 6613

Ion Ratio Lower Upper

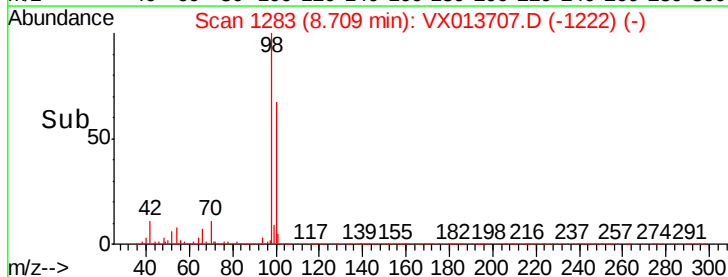
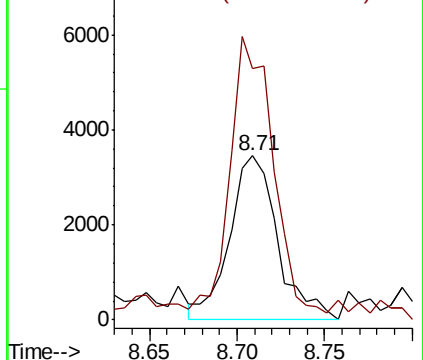
43 100

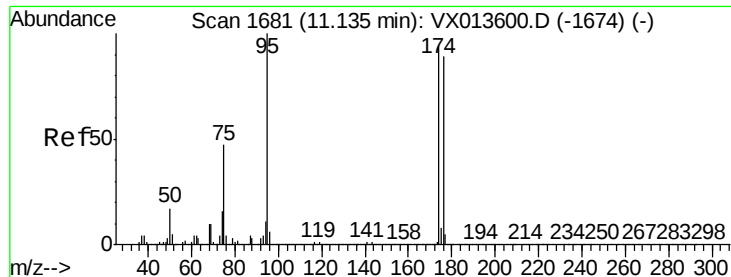
58 147.3 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 45.444 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013707.D

Acq: 29 Nov 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

S39-ER-2019-1

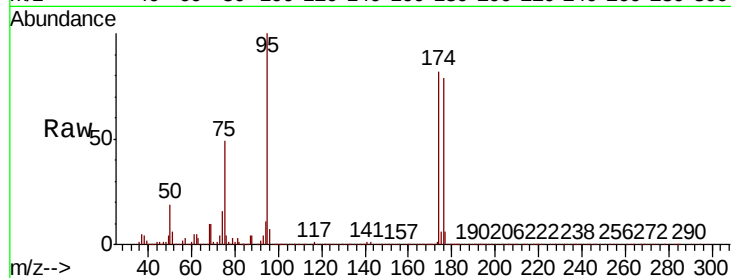
Tot Ion: 95 Resp: 408968

Ion Ratio Lower Upper

95 100

174 90.1 0.0 180.0

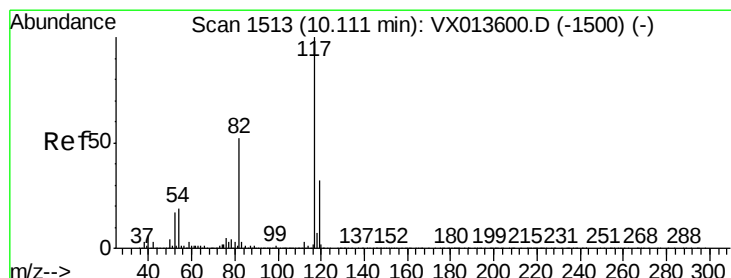
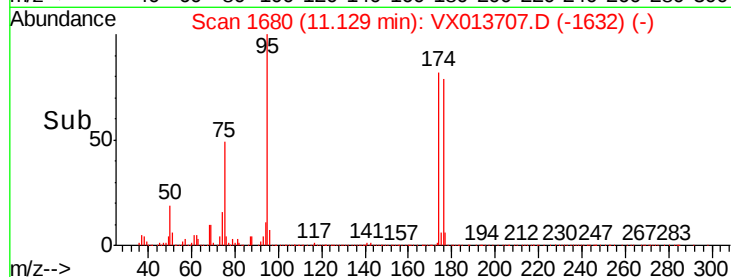
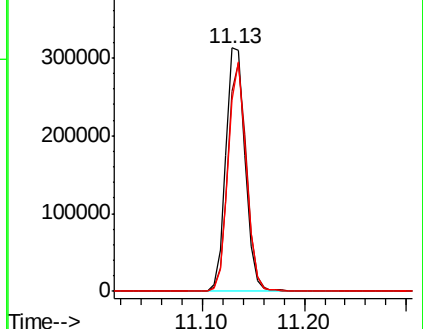
176 88.0 0.0 173.6



Abundance Ion 94.90 (94.60 to 95.60): VX013600.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX013600.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX013600.D (-1674) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013707.D

Acq: 29 Nov 2019 17:33

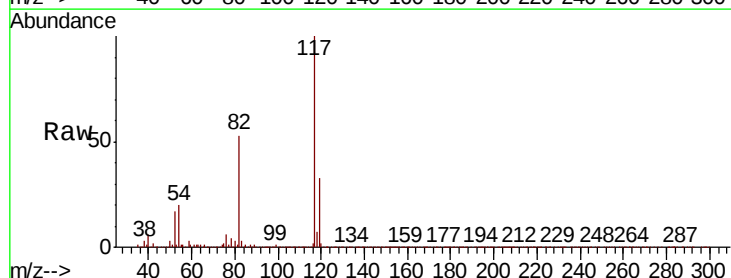
Tgt Ion: 117 Resp: 909312

Ion Ratio Lower Upper

117 100

82 52.9 41.8 62.8

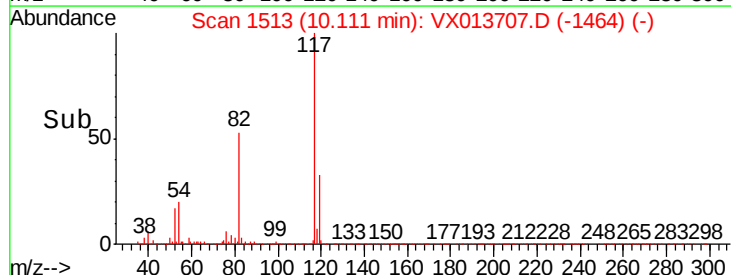
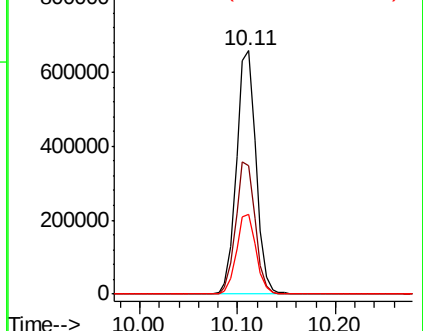
119 32.6 25.8 38.8

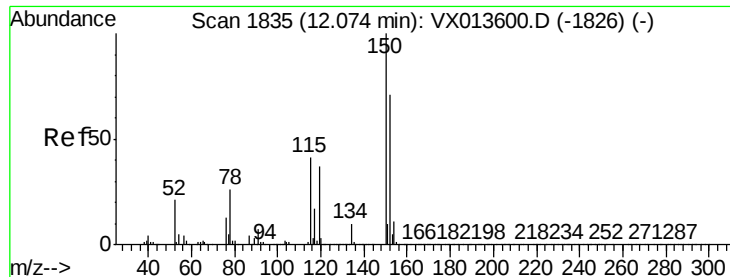


Abundance Ion 116.90 (116.60 to 117.60): VX013600.D (-1500) (-)

Ion 82.00 (81.70 to 82.70): VX013600.D (-1500) (-)

Ion 118.90 (118.60 to 119.60): VX013600.D (-1500) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013707.D

Acq: 29 Nov 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

S39-ER-2019-1

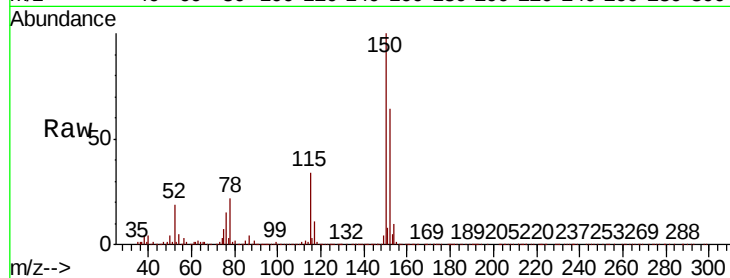
Tot Ion:152 Resp: 413477

Ion Ratio Lower Upper

152 100

115 54.4 38.4 115.1

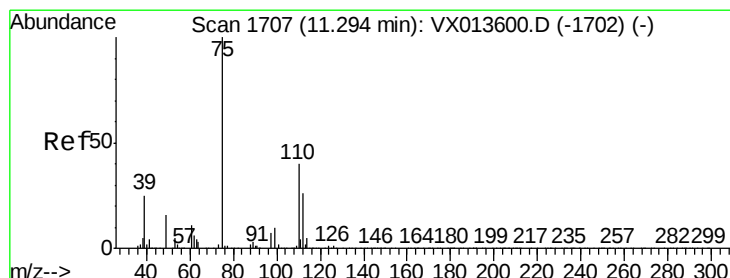
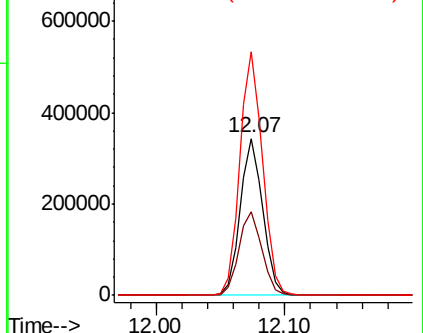
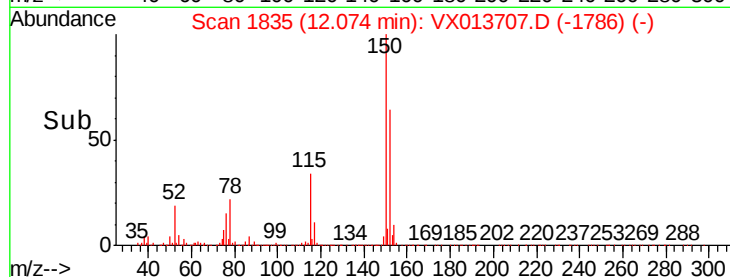
150 157.3 0.0 346.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 21.462 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013707.D

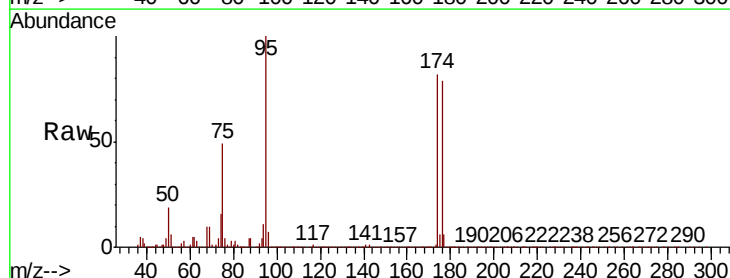
Acq: 29 Nov 2019 17:33

Tgt Ion: 75 Resp: 199596

Ion Ratio Lower Upper

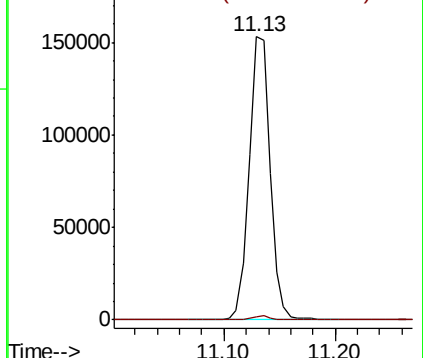
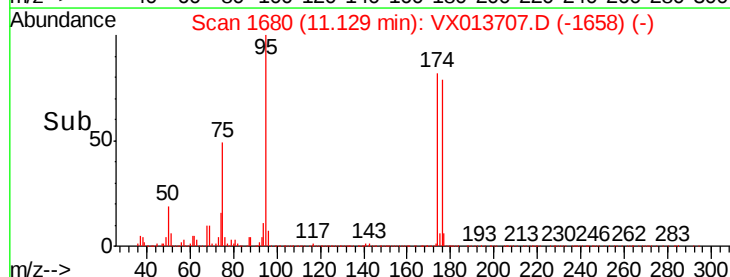
75 100

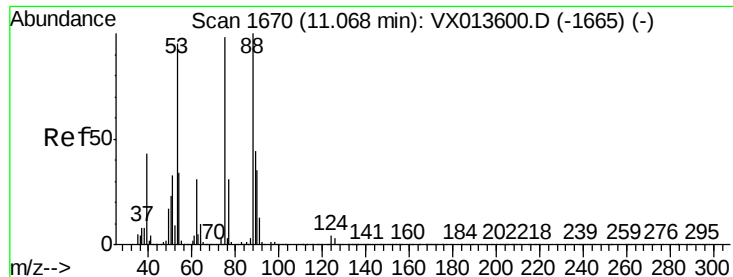
77 1.7 19.1 57.5#



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: 58.717 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013707.D

Acq: 29 Nov 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

S39-ER-2019-1

Tot Ion: 75 Resp: 199596

Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.2#

89 0.1 35.4 53.2#

