

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032720\
 Data File : VX015407.D
 Acq On : 28 Mar 2020 02:24
 Operator : JC/SP
 Sample : L1761-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SU-02-032520

Quant Time: Mar 30 01:51:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1122602	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1808707	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1702789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	892099	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	757655	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
35) Dibromofluoromethane	5.47	113	575514	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
50) Toluene-d8	8.70	98	2172246	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
62) 4-Bromofluorobenzene	11.12	95	936803	54.15	ug/l	0.00
Spiked Amount			Recovery	=	108.30%	

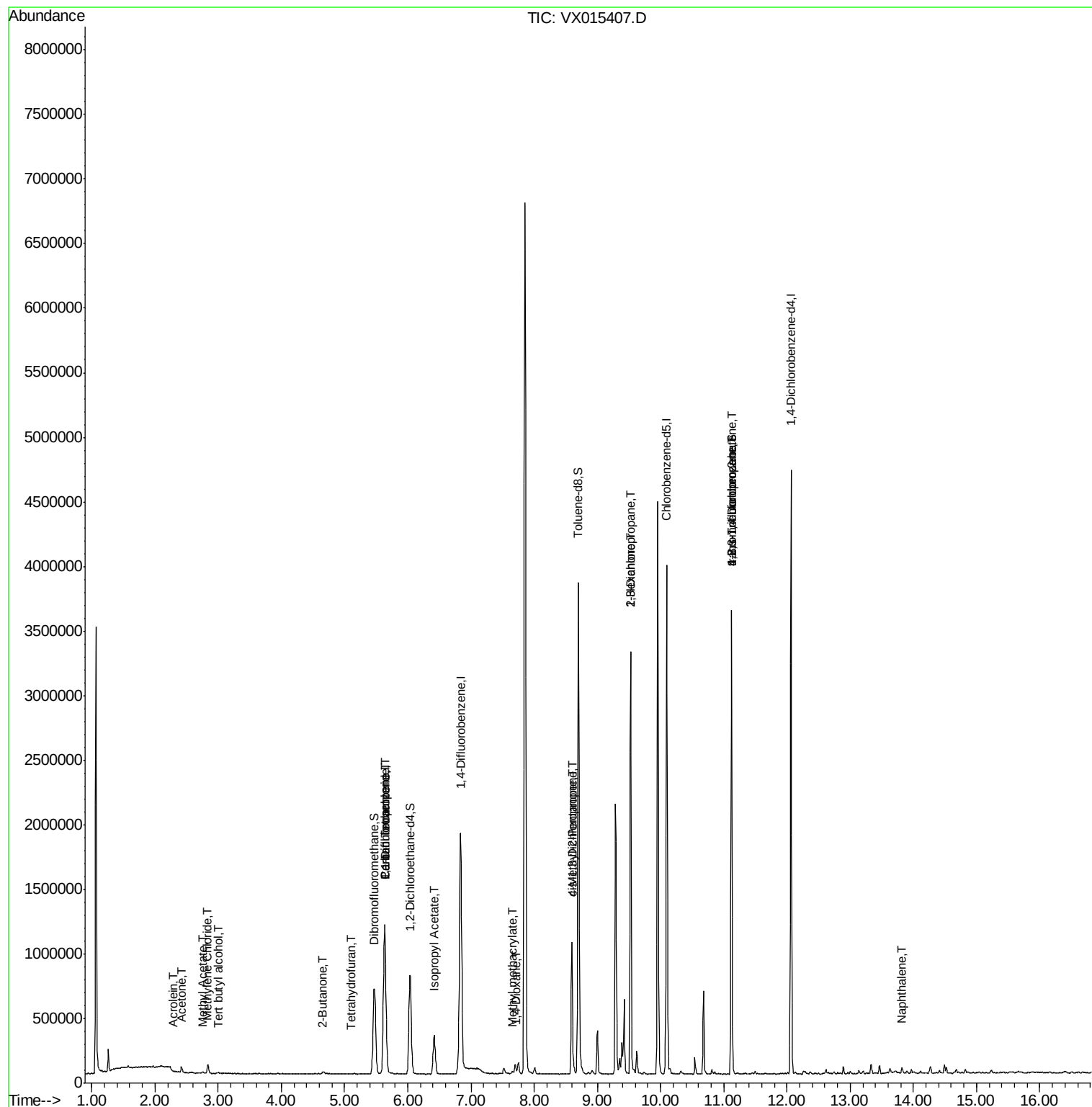
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	692	Below Cal	#	36
11) Tert butyl alcohol	3.00	59	8262	2.180	ug/l	96
13) Acrolein	2.28	56	771	0.357	ug/l #	14
16) Acetone	2.42	43	51599	7.586	ug/l	94
18) Methyl Acetate	2.75	43	15521	0.894	ug/l	95
20) Methylene Chloride	2.83	84	30654	2.413	ug/l	95
25) 2-Butanone	4.65	43	5890	0.538	ug/l #	52
29) Tetrahydrofuran	5.11	42	1758	0.250	ug/l #	82
36) 1,1-Dichloropropene	5.63	75	86295	5.178	ug/l #	50
38) Carbon Tetrachloride	5.64	117	107499	5.956	ug/l #	15
43) Isopropyl Acetate	6.42	43	428520	11.698	ug/l	99
48) Methyl methacrylate	7.65	41	23919	1.307	ug/l #	18
49) 1,4-Dioxane	7.72	88	207	0.606	ug/l #	20
51) 4-Methyl-2-Pentanone	8.59	43	405829	19.549	ug/l #	52
54) cis-1,3-Dichloropropene	8.60	75	161452	7.240	ug/l #	53
57) 1,3-Dichloropropane	9.53	76	25882	1.165	ug/l #	42
59) 2-Hexanone	9.53	43	401682	25.629	ug/l #	52
76) 1,2,3-Trichloropropane	11.12	75	481706	26.258	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	481706	63.004	ug/l #	10
95) Naphthalene	13.82	128	28468	0.432	ug/l #	93

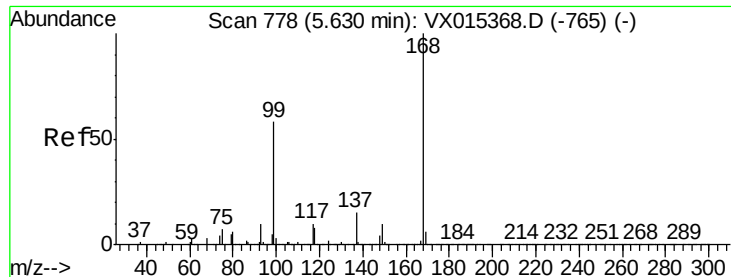
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 27 09:35:51 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015407.D

Acq: 28 Mar 2020 02:24

Instrument :

MSVOA_X

ClientSampleId :

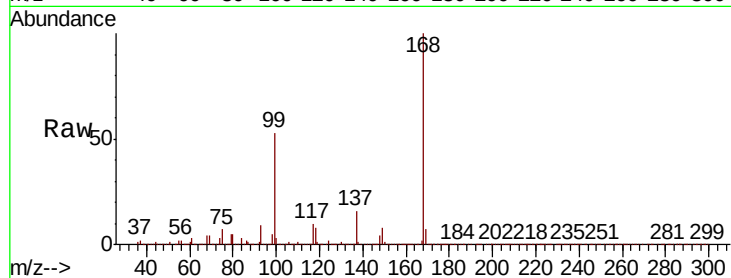
SU-02-032520

Tot Ion:168 Resp: 1122602

Ion Ratio Lower Upper

168 100

99 52.5 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

300000

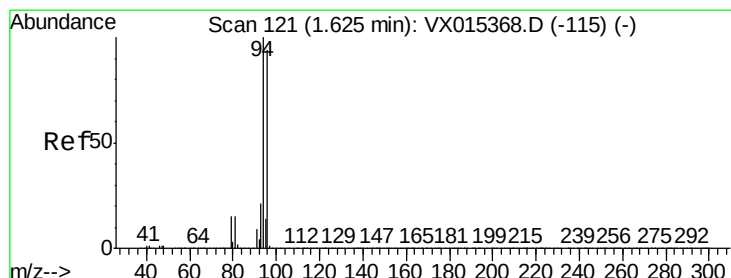
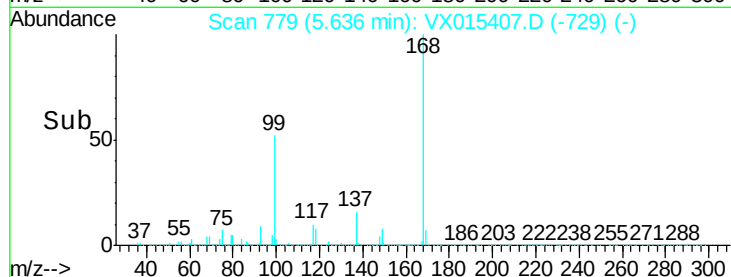
200000

100000

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: VX015407.D

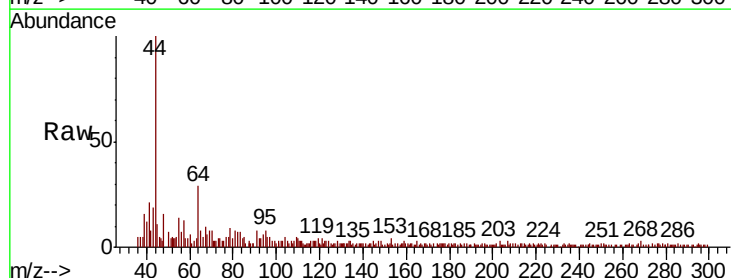
Acq: 28 Mar 2020 02:24

Tgt Ion: 94 Resp: 692

Ion Ratio Lower Upper

94 100

96 32.1 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

1000

800

600

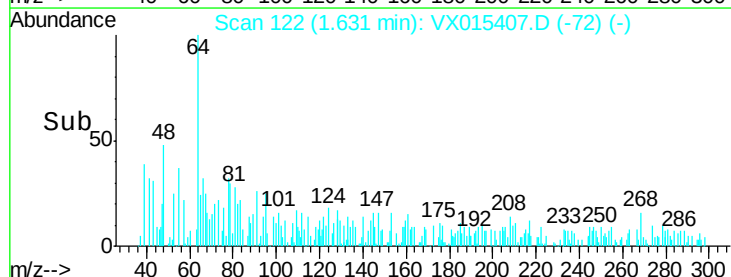
400

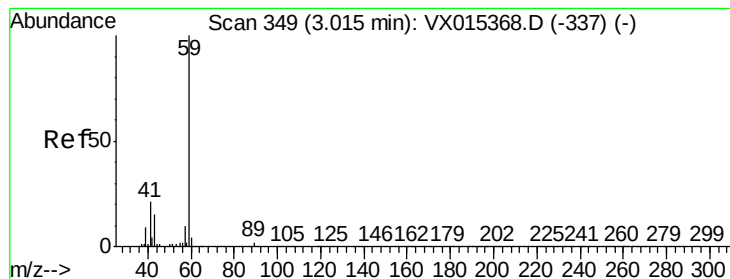
200

0

Time-->

1.62 1.64 1.66



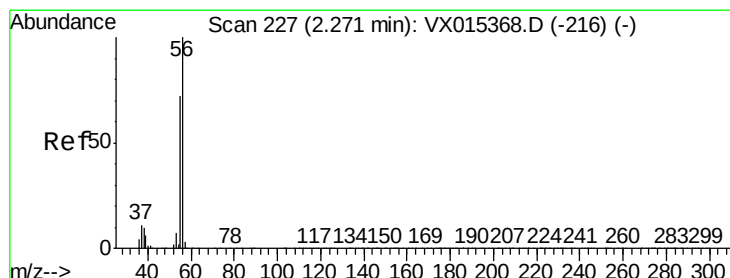
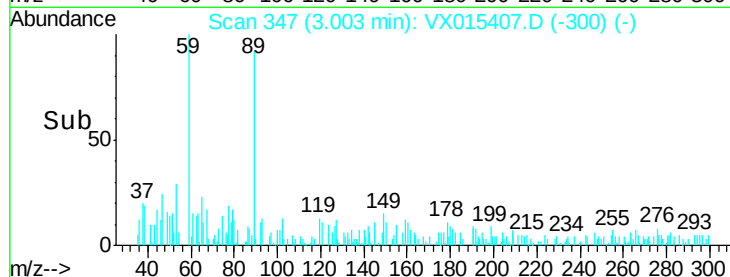
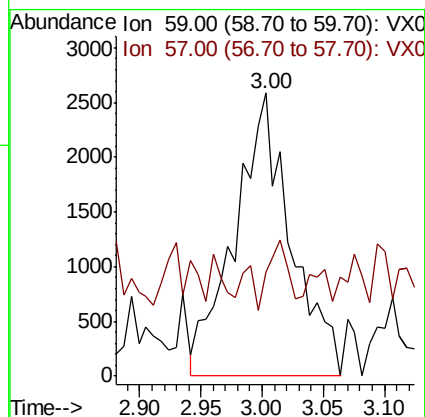
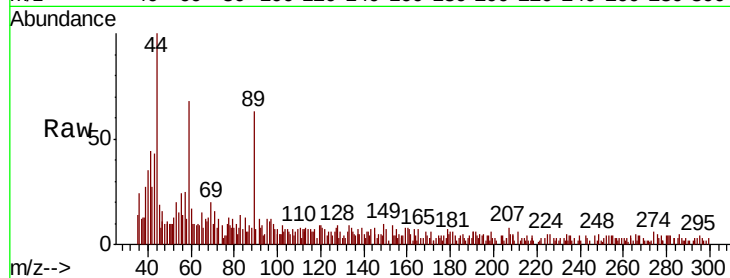


#11

Tert butyl alcohol
Concen: 2.180 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.01 min
Lab File: VX015407.D
Acq: 28 Mar 2020 02:24

Instrument :
MSVOA_X
ClientSampled :
SU-02-032520

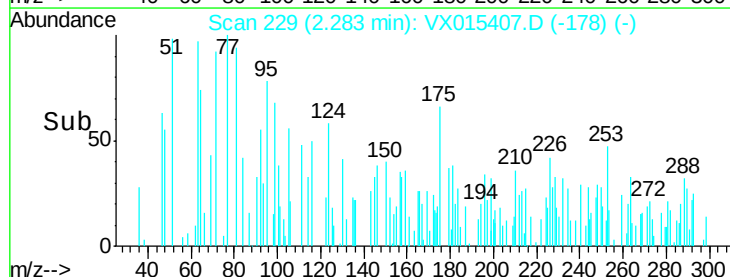
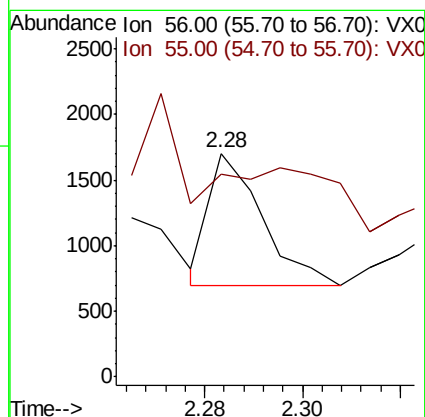
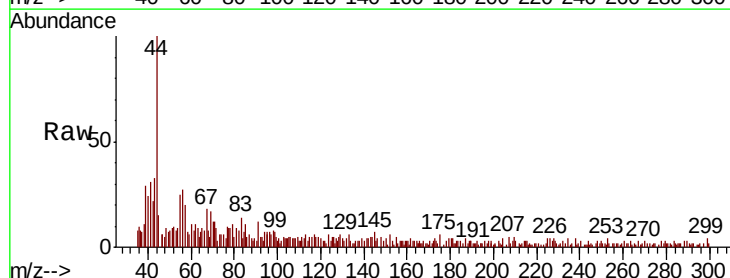
Tot Ion: 59 Resp: 8262
Ion Ratio Lower Upper
59 100
57 8.7 8.1 12.1

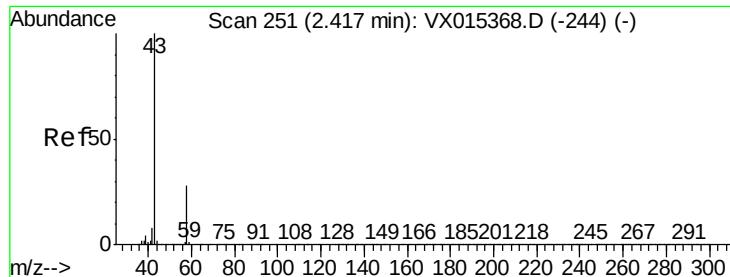


#13

Acrolein
Concen: 0.357 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.01 min
Lab File: VX015407.D
Acq: 28 Mar 2020 02:24

Tgt Ion: 56 Resp: 771
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#

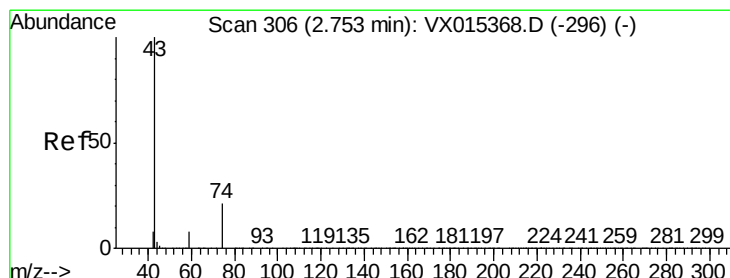
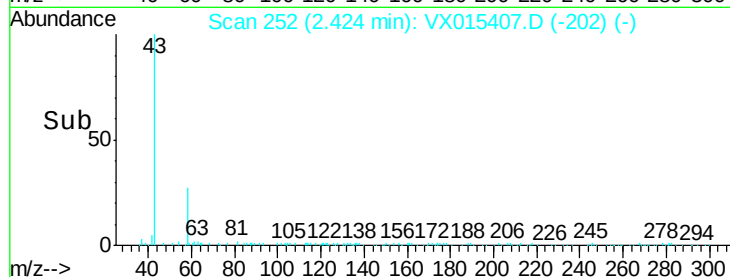
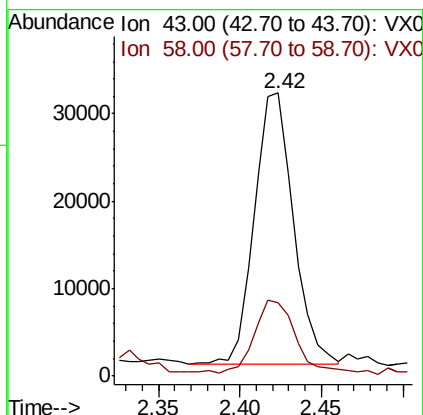
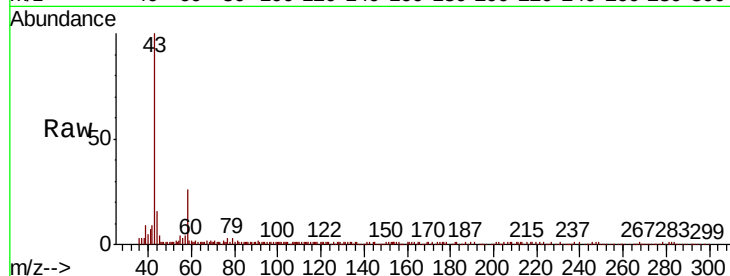




#16
Acetone
Concen: 7.586 ug/l
RT: 2.42 min Scan# 252
Delta R.T. 0.01 min
Lab File: VX015407.D
Acq: 28 Mar 2020 02:24

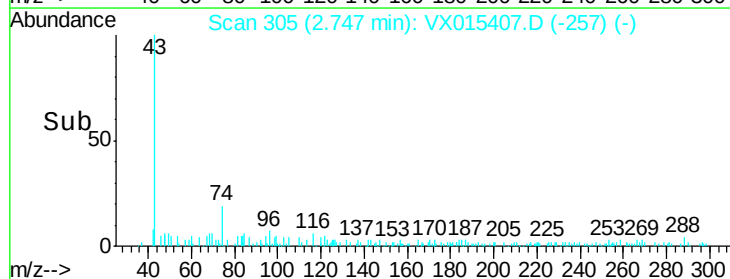
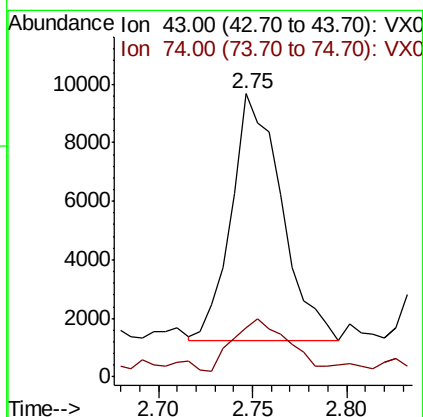
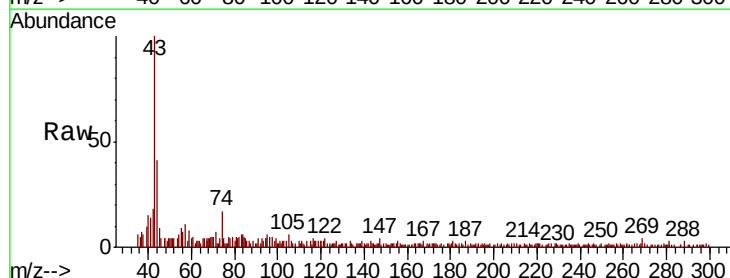
Instrument :
MSVOA_X
ClientSampleId :
SU-02-032520

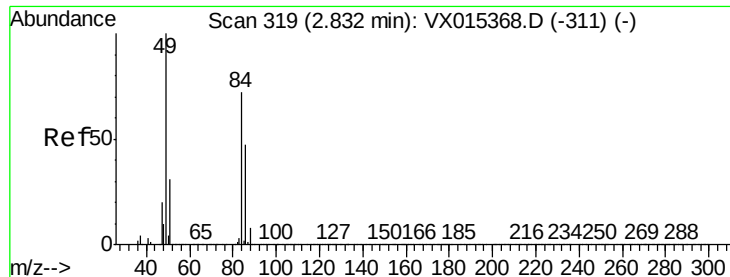
Tot Ion: 43 Resp: 51599
Ion Ratio Lower Upper
43 100
58 24.7 22.1 33.1



#18
Methyl Acetate
Concen: 0.894 ug/l
RT: 2.75 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX015407.D
Acq: 28 Mar 2020 02:24

Tgt Ion: 43 Resp: 15521
Ion Ratio Lower Upper
43 100
74 22.8 16.5 24.7

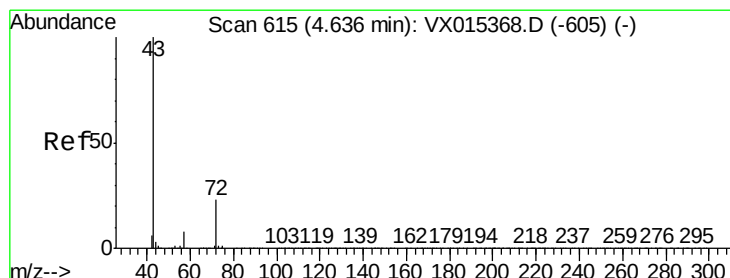
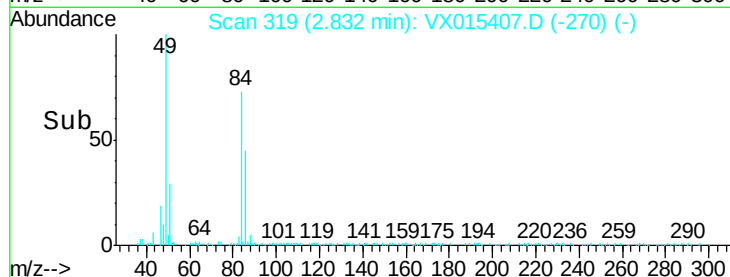
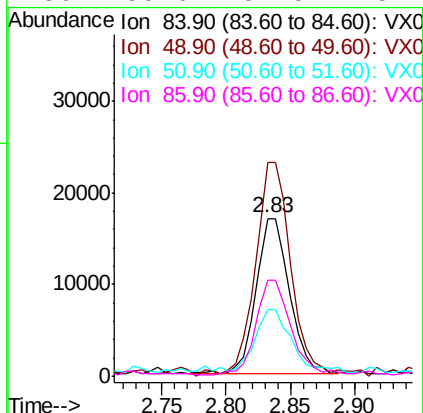
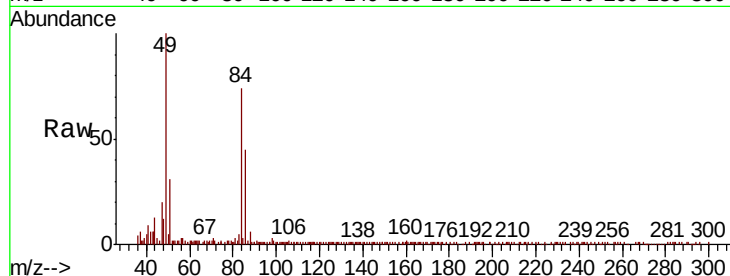




#20
Methylene Chloride
Concen: 2.413 ug/l
RT: 2.83 min Scan# 319
Delta R.T. 0.00 min
Lab File: VX015407.D
Acq: 28 Mar 2020 02:24

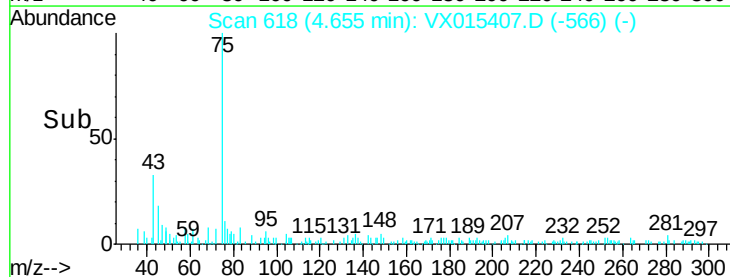
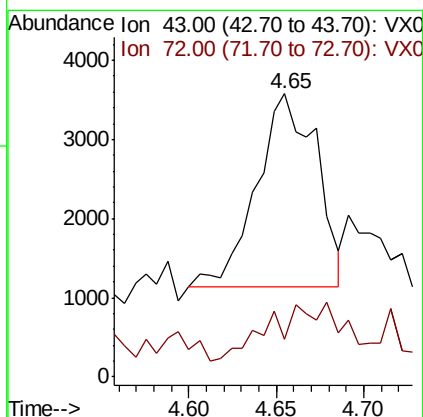
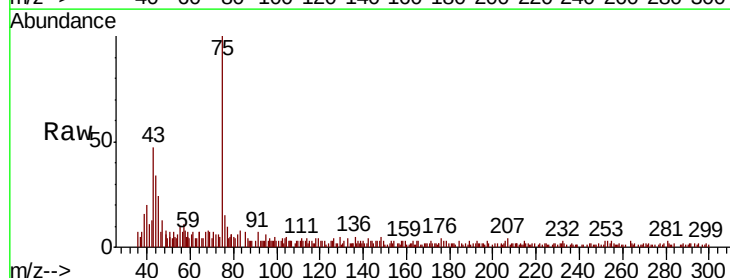
Instrument :
MSVOA_X
ClientSampleId :
SU-02-032520

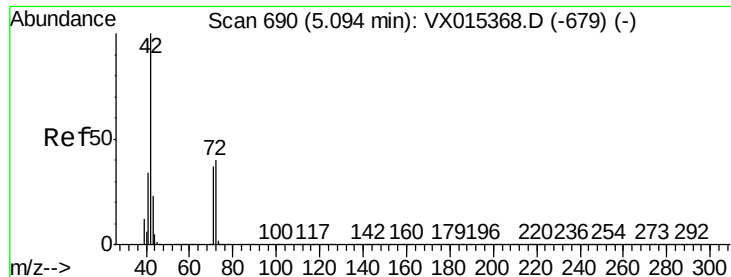
Tot Ion:	84	Resp:	30654
Ion	Ratio	Lower	Upper
84	100		
49	133.4	111.3	166.9
51	39.5	34.0	51.0
86	59.6	52.5	78.7



#25
2-Butanone
Concen: 0.538 ug/l
RT: 4.65 min Scan# 618
Delta R.T. 0.02 min
Lab File: VX015407.D
Acq: 28 Mar 2020 02:24

Tgt Ion:	43	Resp:	5890
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.0	28.4#

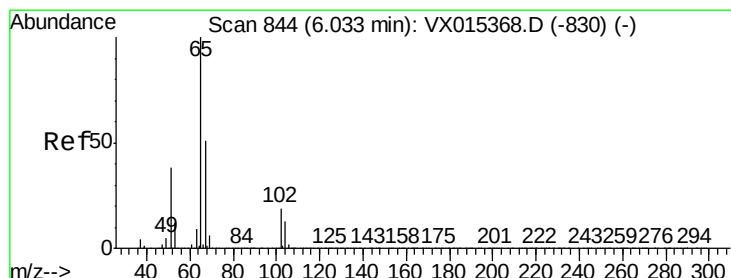
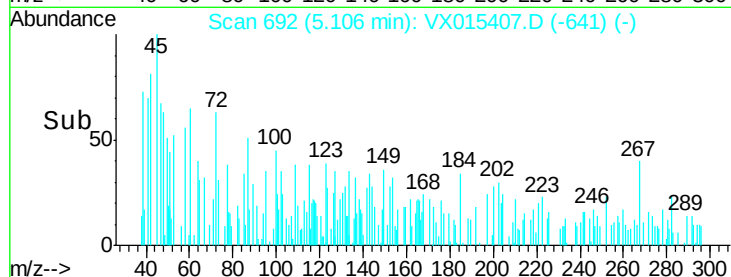
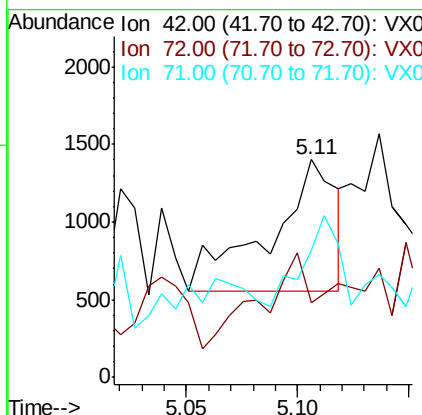
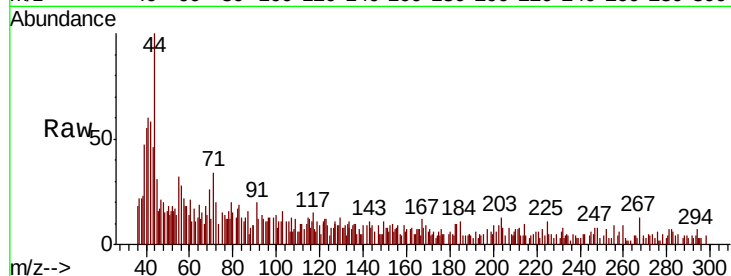




#29
Tetrahydrofuran
Concen: 0.250 ug/l
RT: 5.11 min Scan# 692
Delta R.T. 0.01 min
Lab File: VX015407.D
Acq: 28 Mar 2020 02:24

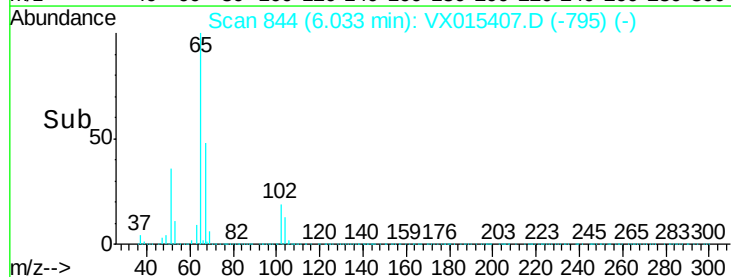
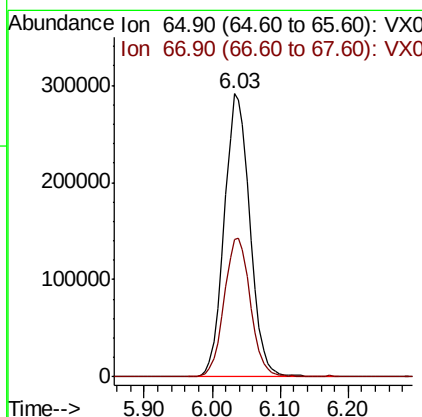
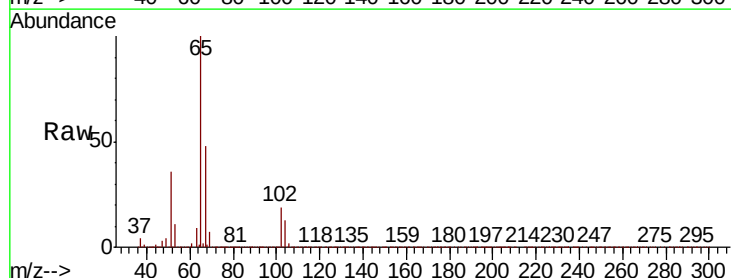
Instrument :
MSVOA_X
ClientSampled :
SU-02-032520

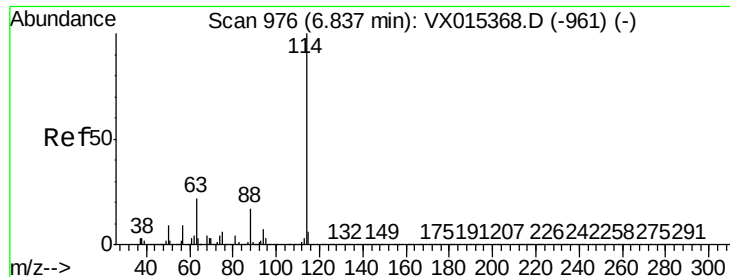
Tot Ion: 42 Resp: 1758
Ion Ratio Lower Upper
42 100
72 59.6 31.7 47.5#
71 39.0 29.6 44.4



#33
1,2-Dichloroethane-d4
Concen: 47.853 ug/l
RT: 6.03 min Scan# 844
Delta R.T. 0.00 min
Lab File: VX015407.D
Acq: 28 Mar 2020 02:24

Tgt Ion: 65 Resp: 757655
Ion Ratio Lower Upper
65 100
67 49.7 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015407.D

Acq: 28 Mar 2020 02:24

Instrument :

MSVOA_X

ClientSampleId :

SU-02-032520

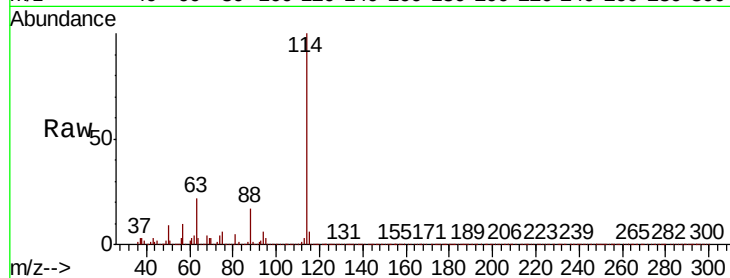
Tot Ion:114 Resp: 1808707

Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.2

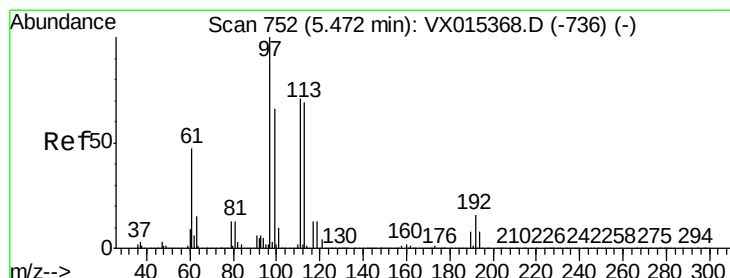
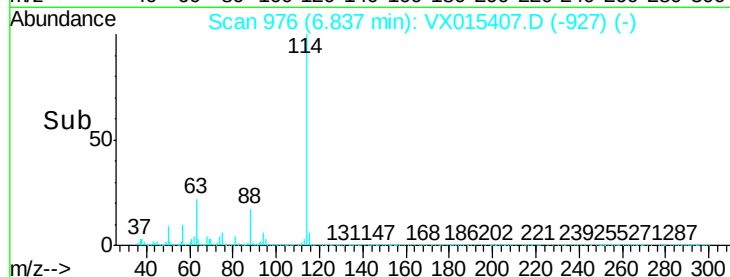
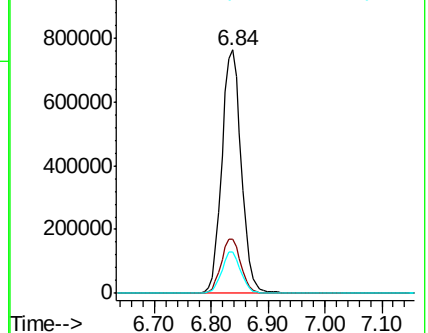
88 16.7 0.0 33.8



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: 49.777 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015407.D

Acq: 28 Mar 2020 02:24

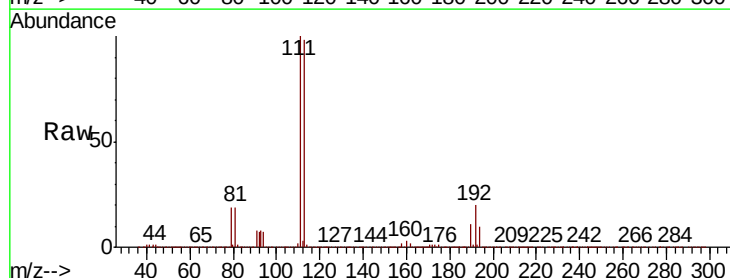
Tgt Ion:113 Resp: 575514

Ion Ratio Lower Upper

113 100

111 102.2 81.5 122.3

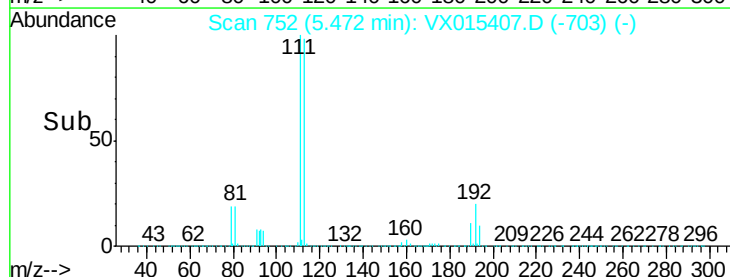
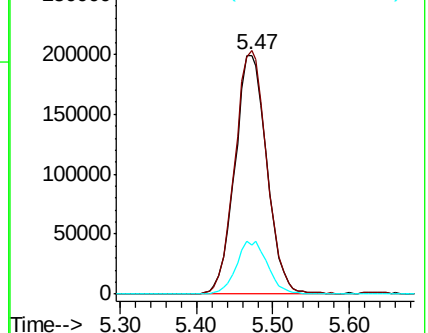
192 21.7 17.8 26.6

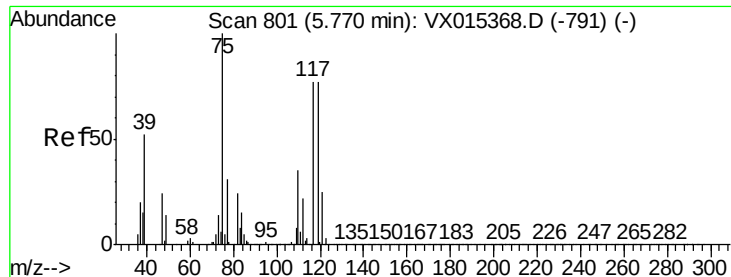


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

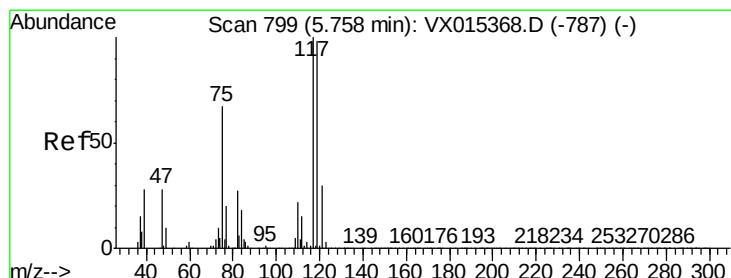
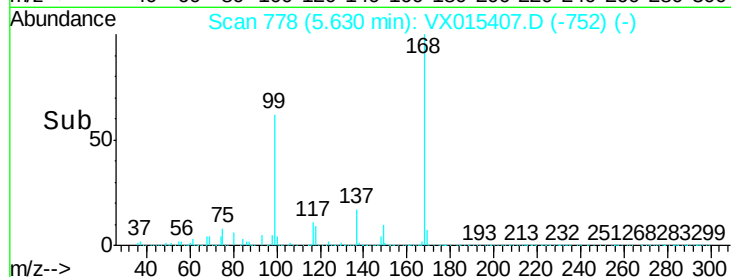
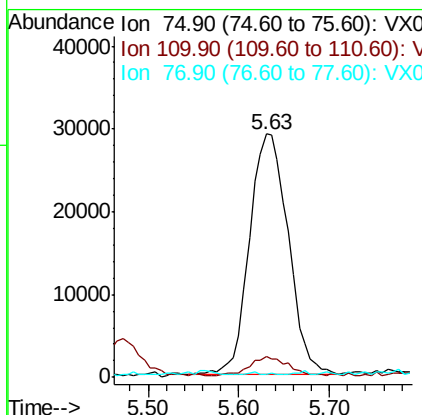
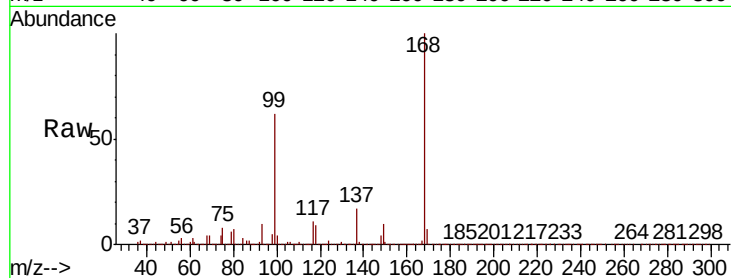




#36
 1,1-Dichloropropene
 Concen: 5.178 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015407.D
 Acq: 28 Mar 2020 02:24

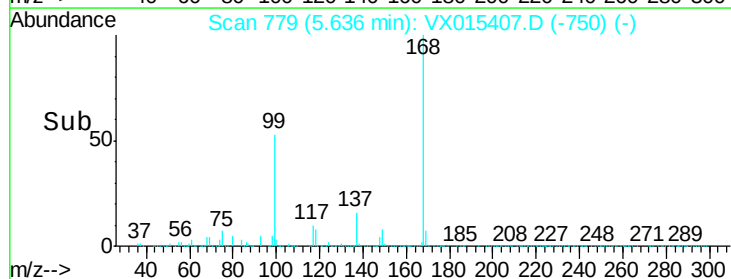
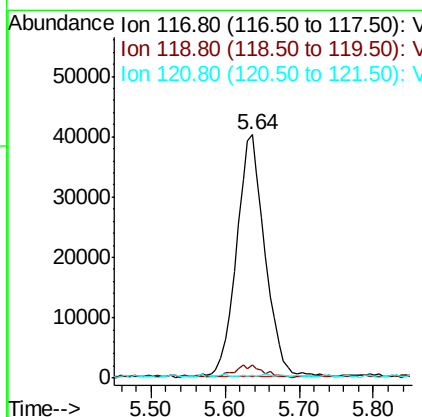
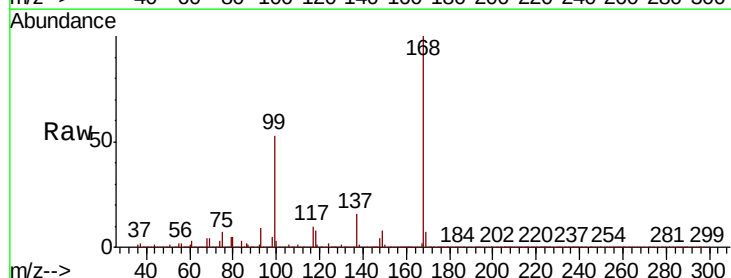
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 MSVOA_X
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 SU-02-032520

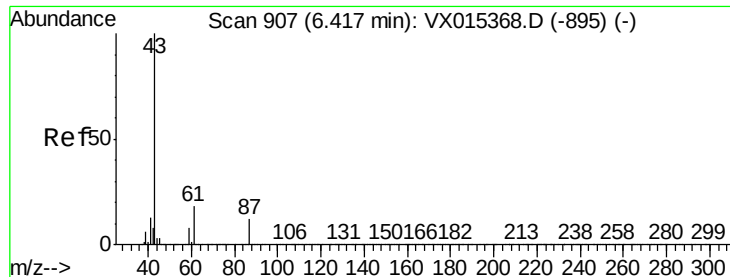
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.1	51.3#
77	0.1	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.956 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.12 min
 Lab File: VX015407.D
 Acq: 28 Mar 2020 02:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	78.0	117.0#
121	0.5	23.8	35.8#





#43

Isopropyl Acetate

Concen: 11.698 ug/l

RT: 6.42 min Scan# 907

Delta R.T. 0.00 min

Lab File: VX015407.D

Acq: 28 Mar 2020 02:24

Instrument :

MSVOA_X

ClientSampleId :

SU-02-032520

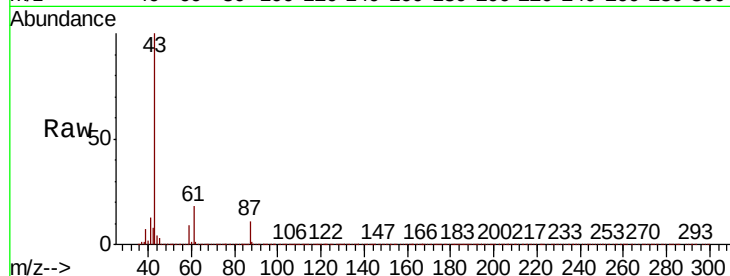
Tot Ion: 43 Resp: 428520

Ion Ratio Lower Upper

43 100

61 18.1 14.8 22.2

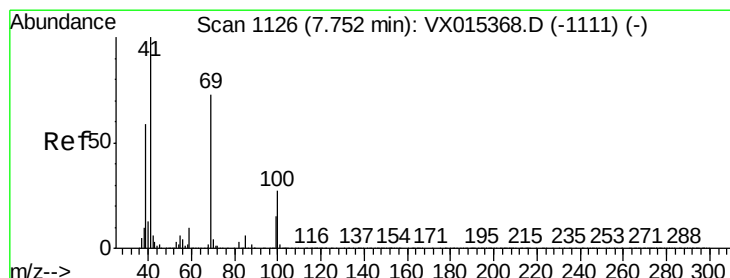
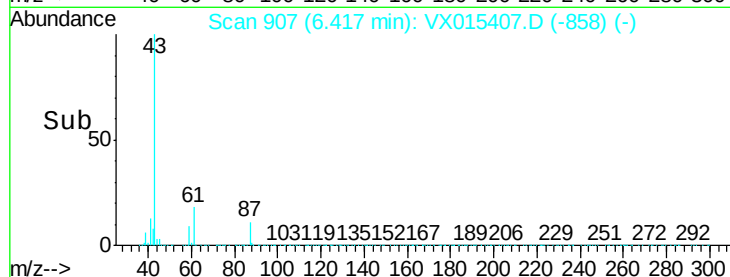
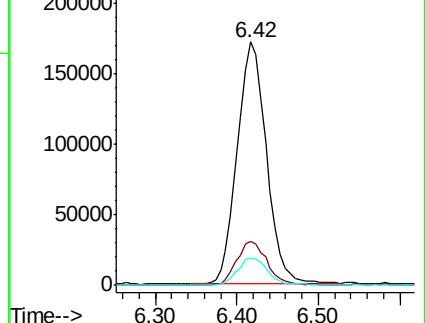
87 11.4 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#48

Methyl methacrylate

Concen: 1.307 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.10 min

Lab File: VX015407.D

Acq: 28 Mar 2020 02:24

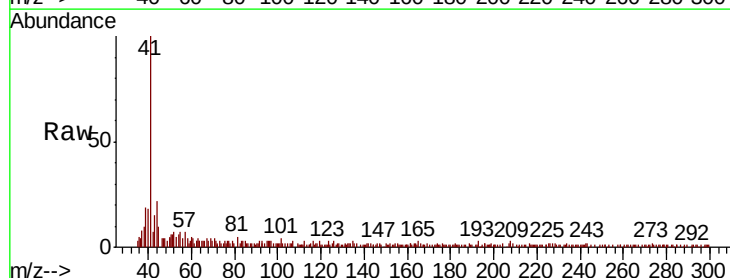
Tgt Ion: 41 Resp: 23919

Ion Ratio Lower Upper

41 100

69 0.0 56.7 85.1#

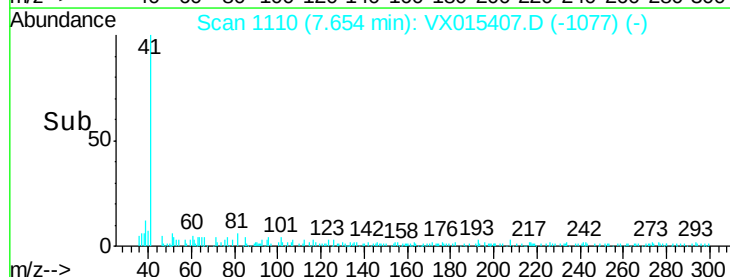
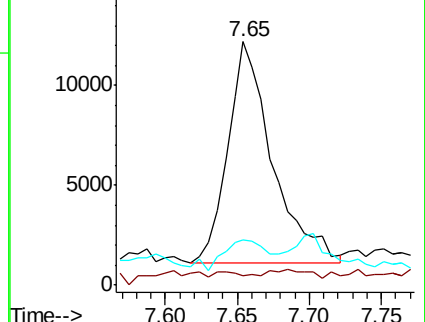
39 0.0 46.5 69.7#

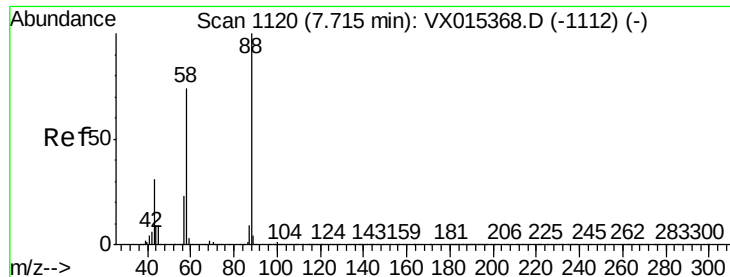


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 0.606 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VX015407.D

Acq: 28 Mar 2020 02:24

Instrument :

MSVOA_X

ClientSampleId :

SU-02-032520

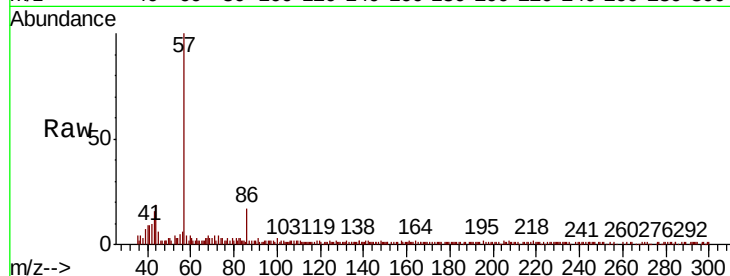
Tot Ion: 88 Resp: 207

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 0.0 60.6 90.8#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8000

6000

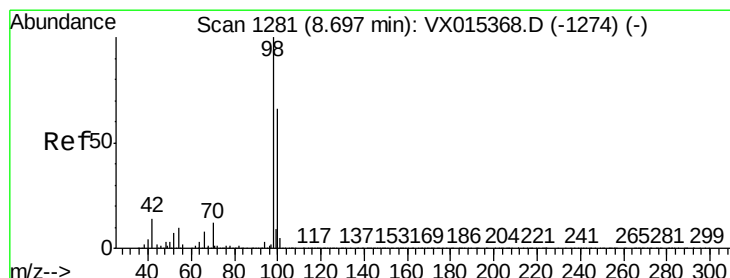
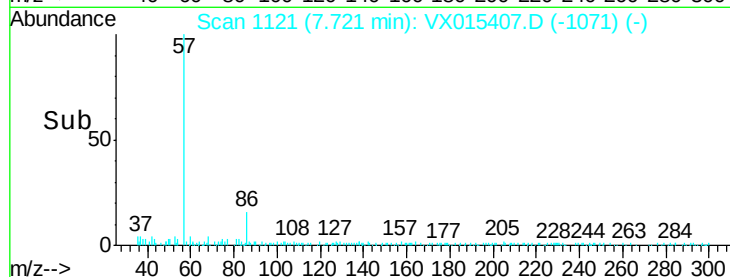
4000

2000

0

7.70 7.72 7.74

Time-->



#50

Toluene-d8

Concen: 51.031 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015407.D

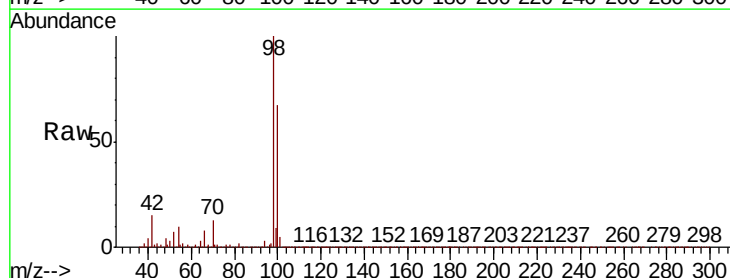
Acq: 28 Mar 2020 02:24

Tgt Ion: 98 Resp: 2172246

Ion Ratio Lower Upper

98 100

100 65.9 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

1500000

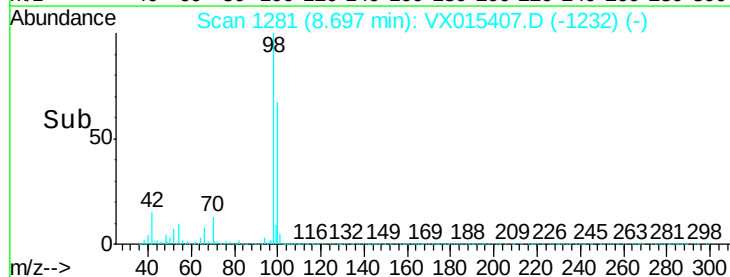
1000000

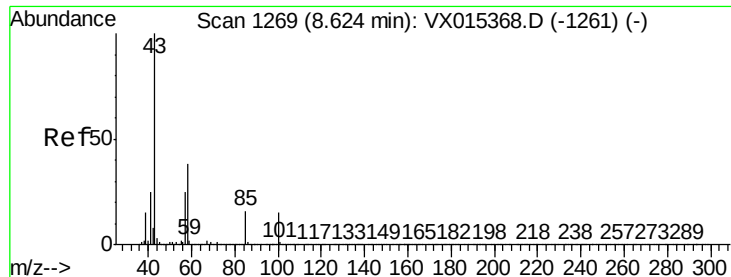
500000

0

8.60 8.70 8.80 8.90

Time-->

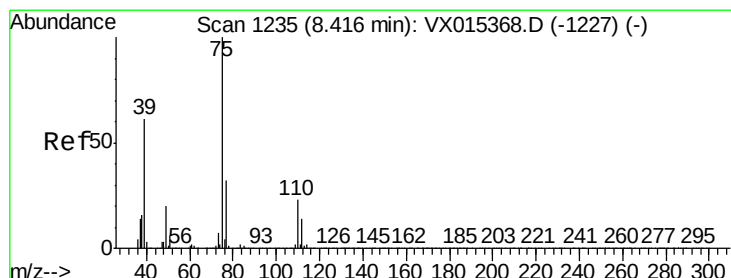
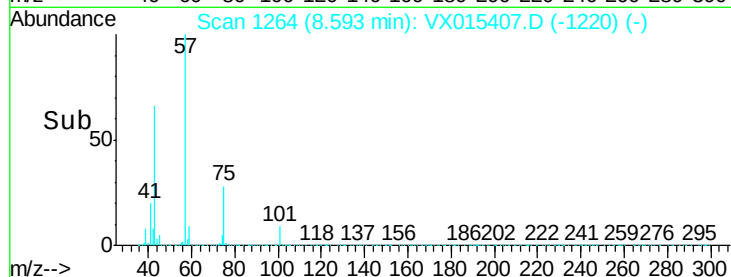
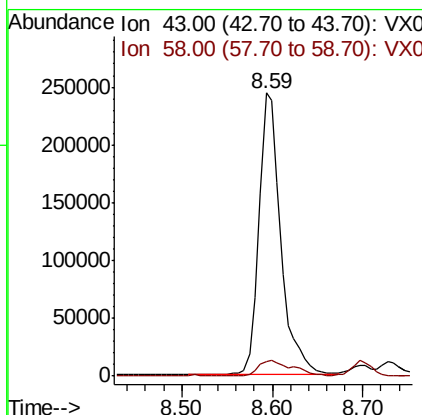
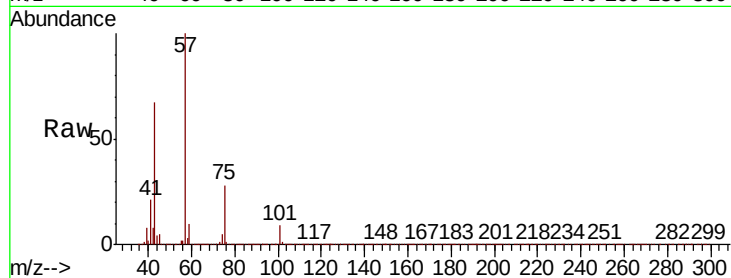




#51
4-Methyl-2-Pentanone
Concen: 19.549 ug/l
RT: 8.59 min Scan# 1264
Delta R.T. -0.03 min
Lab File: VX015407.D
Acq: 28 Mar 2020 02:24

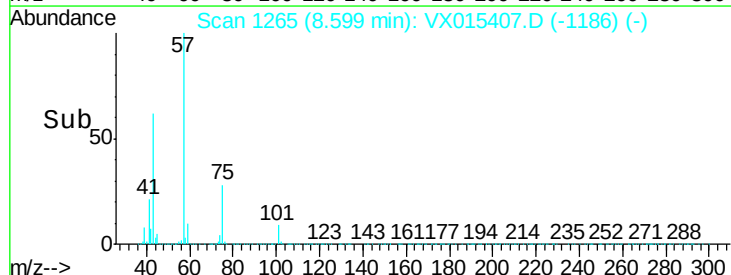
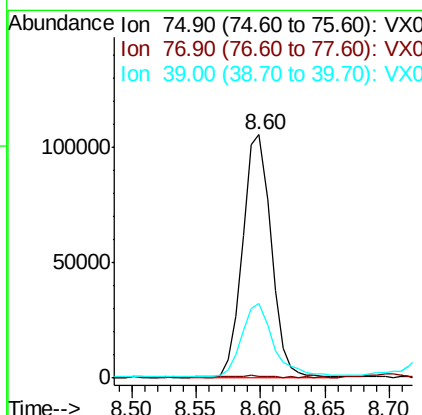
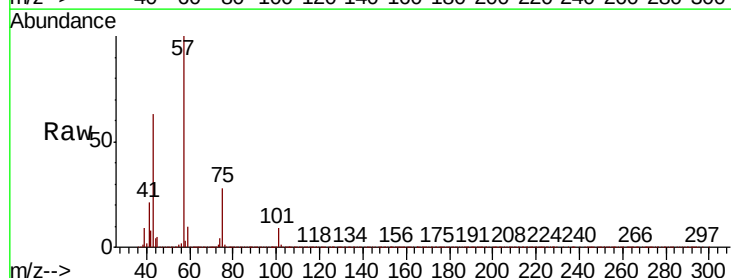
Instrument :
MSVOA_X
ClientSampled :
SU-02-032520

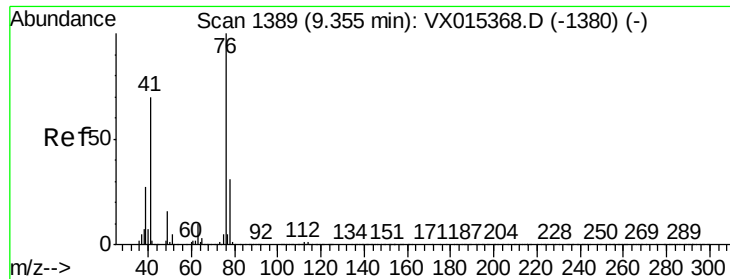
Tot Ion: 43 Resp: 405829
Ion Ratio Lower Upper
43 100
58 8.5 29.7 44.5#



#54
cis-1,3-Dichloropropene
Concen: 7.240 ug/l
RT: 8.60 min Scan# 1265
Delta R.T. 0.18 min
Lab File: VX015407.D
Acq: 28 Mar 2020 02:24

Tgt Ion: 75 Resp: 161452
Ion Ratio Lower Upper
75 100
77 0.3 25.8 38.6#
39 29.7 49.0 73.4#





#57

1,3-Dichloropropane

Concen: 1.165 ug/l

RT: 9.53 min Scan# 1417

Delta R.T. 0.17 min

Lab File: VX015407.D

Acq: 28 Mar 2020 02:24

Instrument :

MSVOA_X

ClientSampleId :

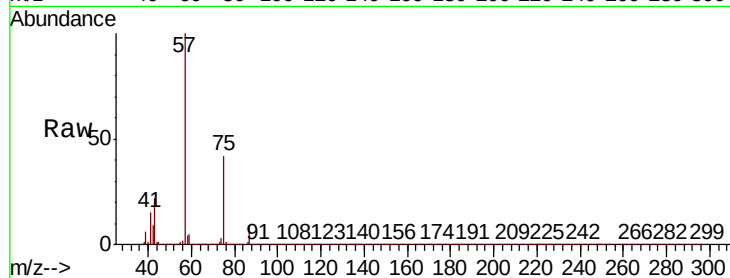
SU-02-032520

Tot Ion: 76 Resp: 25882

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

25000

20000

15000

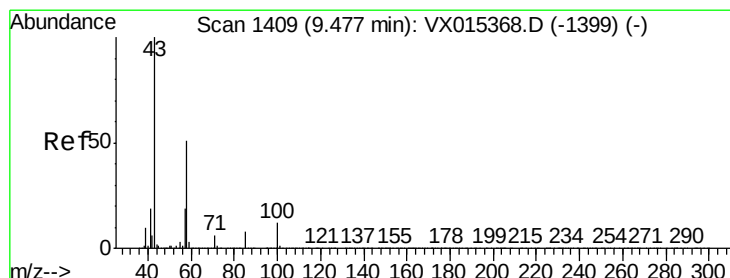
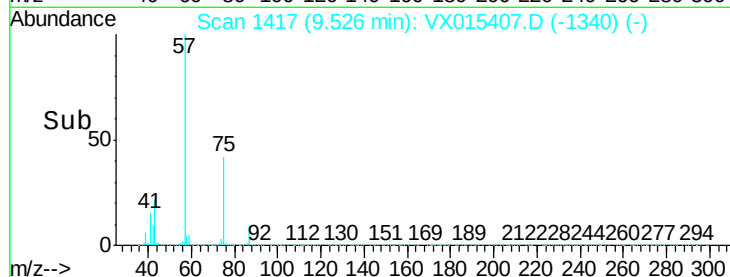
10000

5000

0

9.45 9.50 9.55

Time-->



#59

2-Hexanone

Concen: 25.629 ug/l

RT: 9.53 min Scan# 1417

Delta R.T. 0.05 min

Lab File: VX015407.D

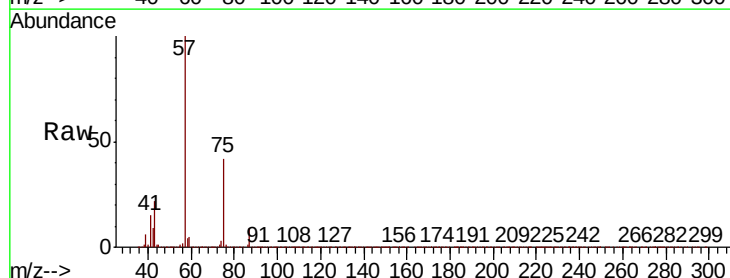
Acq: 28 Mar 2020 02:24

Tgt Ion: 43 Resp: 401682

Ion Ratio Lower Upper

43 100

58 17.4 25.6 76.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

300000

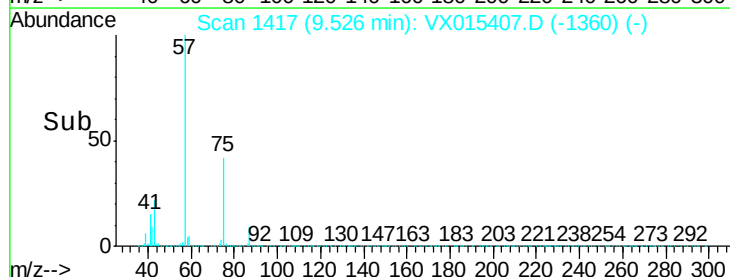
200000

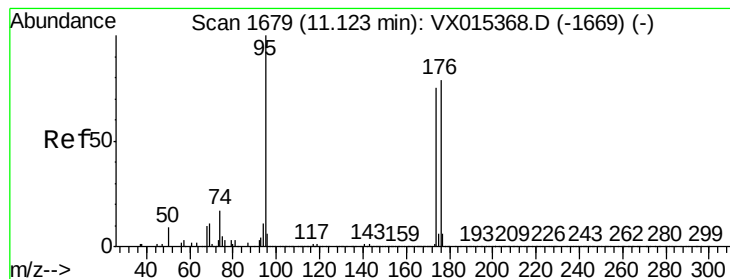
100000

0

9.50 9.55

Time-->





#62

4-Bromofluorobenzene

Concen: 54.152 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015407.D

Acq: 28 Mar 2020 02:24

Instrument :

MSVOA_X

ClientSampleId :

SU-02-032520

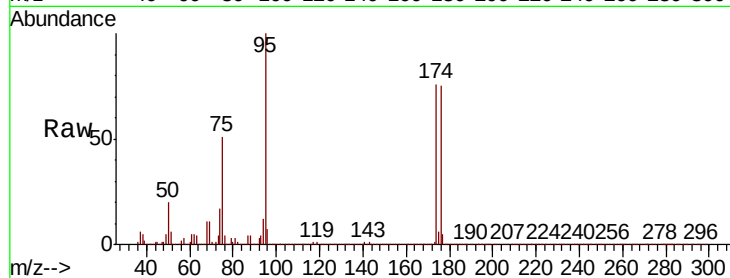
Tot Ion: 95 Resp: 936803

Ion Ratio Lower Upper

95 100

174 77.2 0.0 158.6

176 76.7 0.0 159.0

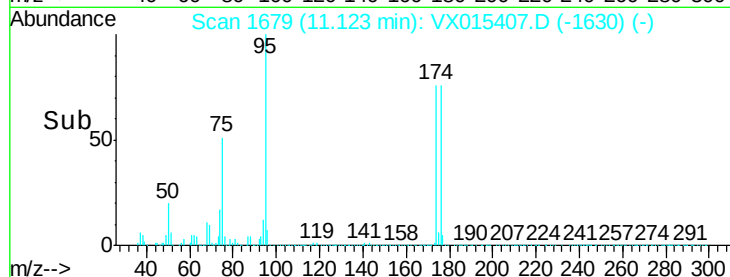


Abundance Ion 94.90 (94.60 to 95.60): VX015407.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX015407.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX015407.D (-1630) (-)

Time-->



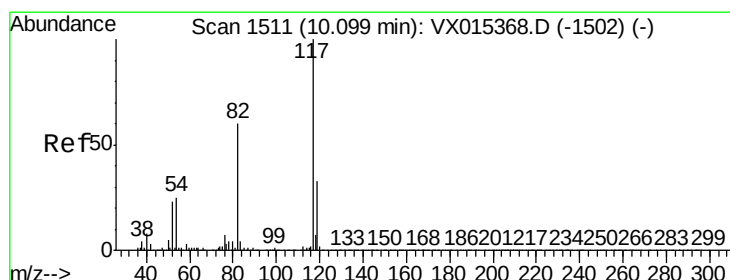
Abundance

Ion 94.90 (94.60 to 95.60): VX015407.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX015407.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX015407.D (-1630) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VX015407.D

Acq: 28 Mar 2020 02:24

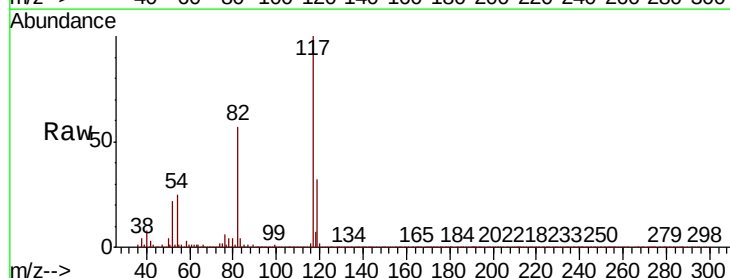
Tgt Ion: 117 Resp: 1702789

Ion Ratio Lower Upper

117 100

82 57.2 47.8 71.8

119 31.6 26.8 40.2

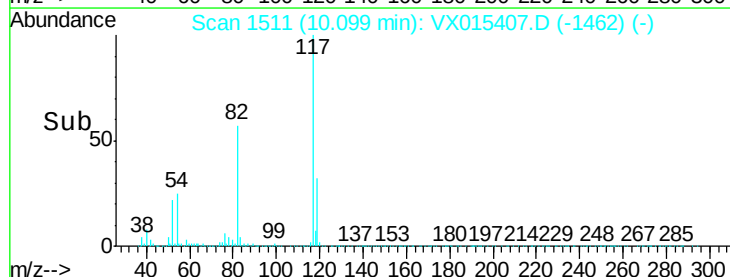


Abundance Ion 116.90 (116.60 to 117.60): VX015407.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX015407.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX015407.D (-1462) (-)

Time-->



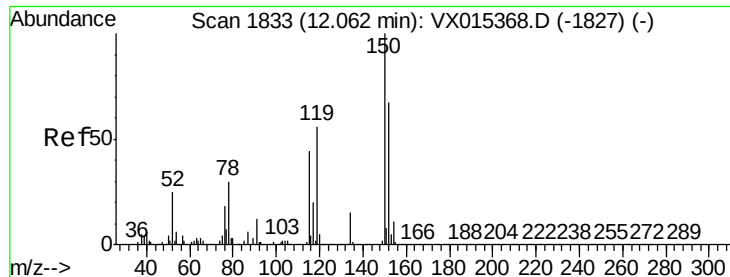
Abundance

Ion 116.90 (116.60 to 117.60): VX015407.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX015407.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX015407.D (-1462) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015407.D

Acq: 28 Mar 2020 02:24

Instrument :

MSVOA_X

ClientSampleId :

SU-02-032520

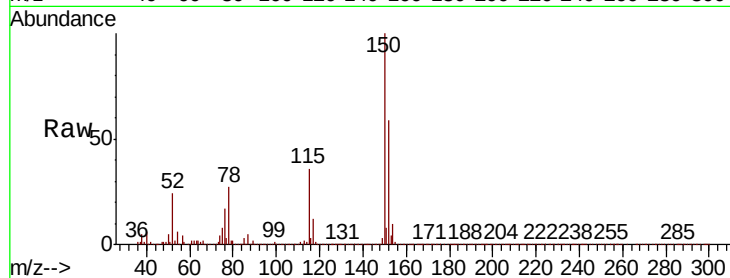
Tot Ion:152 Resp: 892099

Ion Ratio Lower Upper

152 100

115 59.7 39.0 116.9

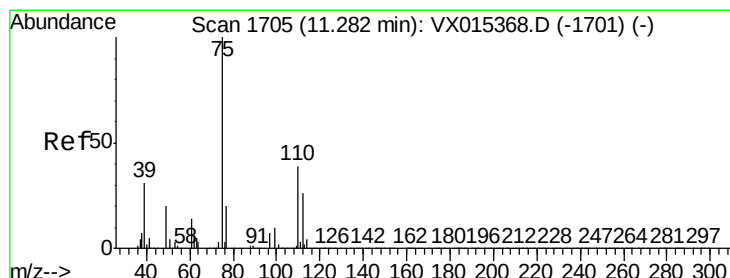
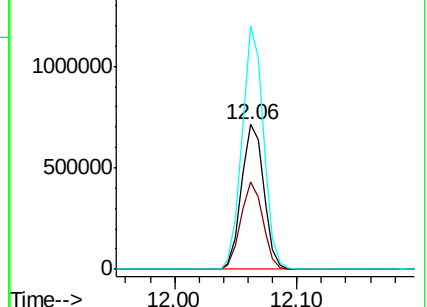
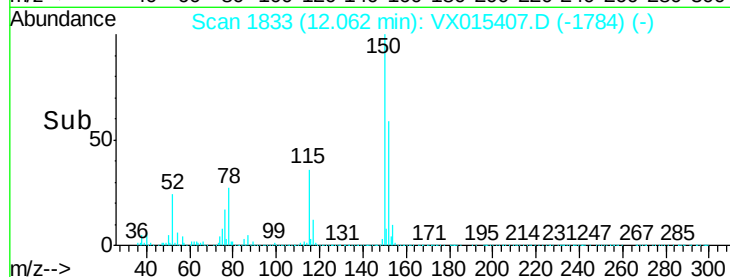
150 161.7 0.0 340.8



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: 26.258 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015407.D

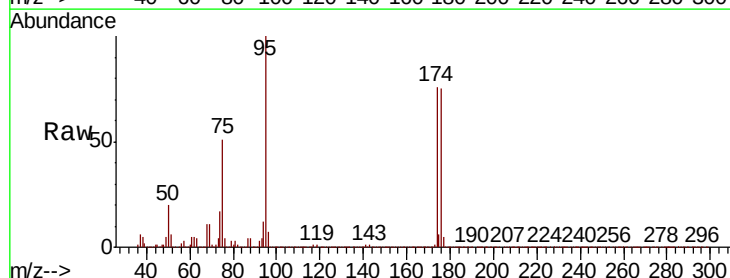
Acq: 28 Mar 2020 02:24

Tgt Ion: 75 Resp: 481706

Ion Ratio Lower Upper

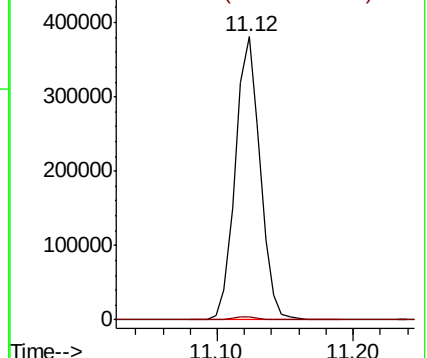
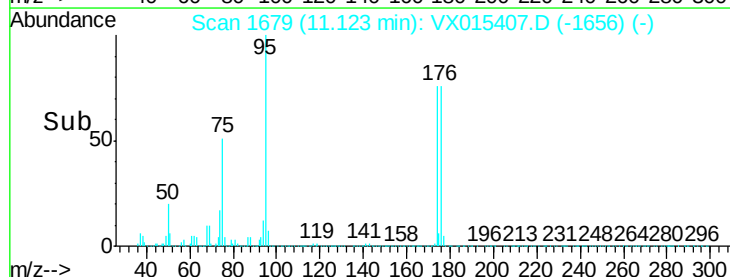
75 100

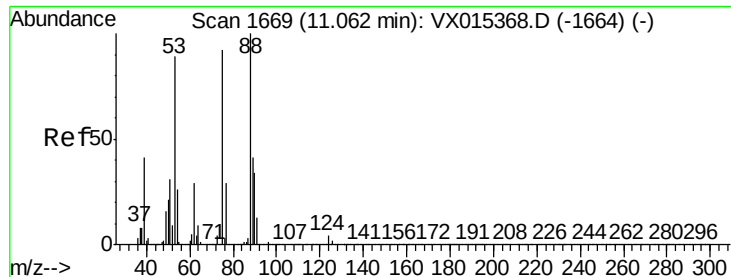
77 1.1 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

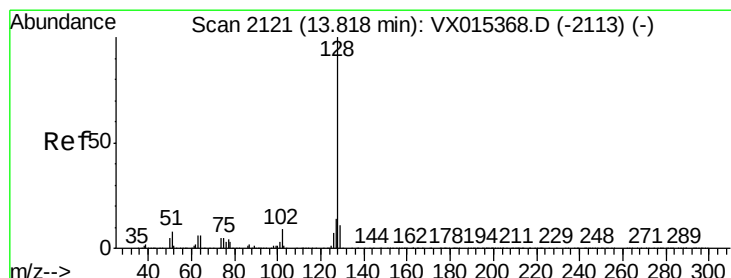
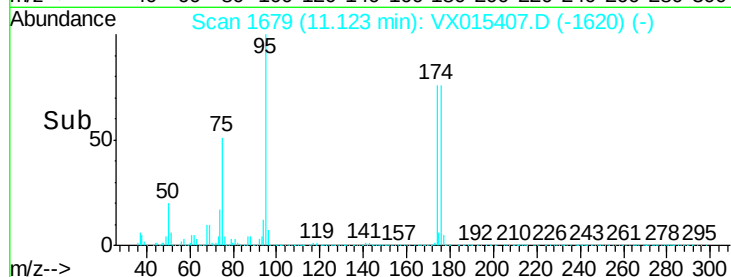
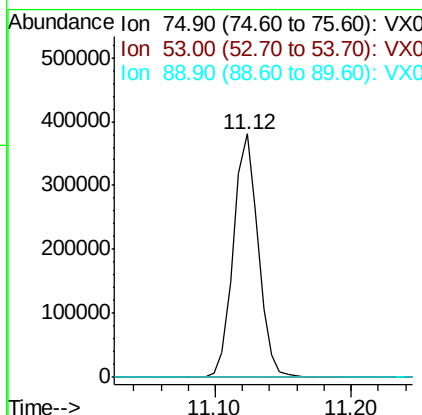
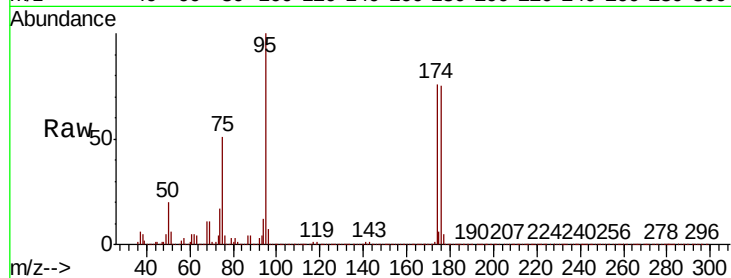




#81
trans-1,4-Dichloro-2-butene
Concen: 63.004 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.06 min
Lab File: VX015407.D
Acq: 28 Mar 2020 02:24

Instrument :
MSVOA_X
ClientSampleId :
SU-02-032520

Tot Ion: 75 Resp: 481706
Ion Ratio Lower Upper
75 100
53 0.1 80.1 120.1#
89 0.2 36.1 54.1#



#95
Naphthalene
Concen: 0.432 ug/l
RT: 13.82 min Scan# 2121
Delta R.T. 0.00 min
Lab File: VX015407.D
Acq: 28 Mar 2020 02:24

Tgt Ion: 128 Resp: 28468
Ion Ratio Lower Upper
128 100
127 14.8 10.6 15.8
129 15.2 8.8 13.2#

