

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040220\
 Data File : VX015488.D
 Acq On : 02 Apr 2020 17:37
 Operator : JC/SP
 Sample : PB127948ZHE#10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 03 08:03:26 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	1111842	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1827836	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1725925	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	922065	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	757966	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
35) Dibromofluoromethane	5.47	113	581331	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
50) Toluene-d8	8.70	98	2184687	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
62) 4-Bromofluorobenzene	11.12	95	944535	54.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.06%	

Target Compounds

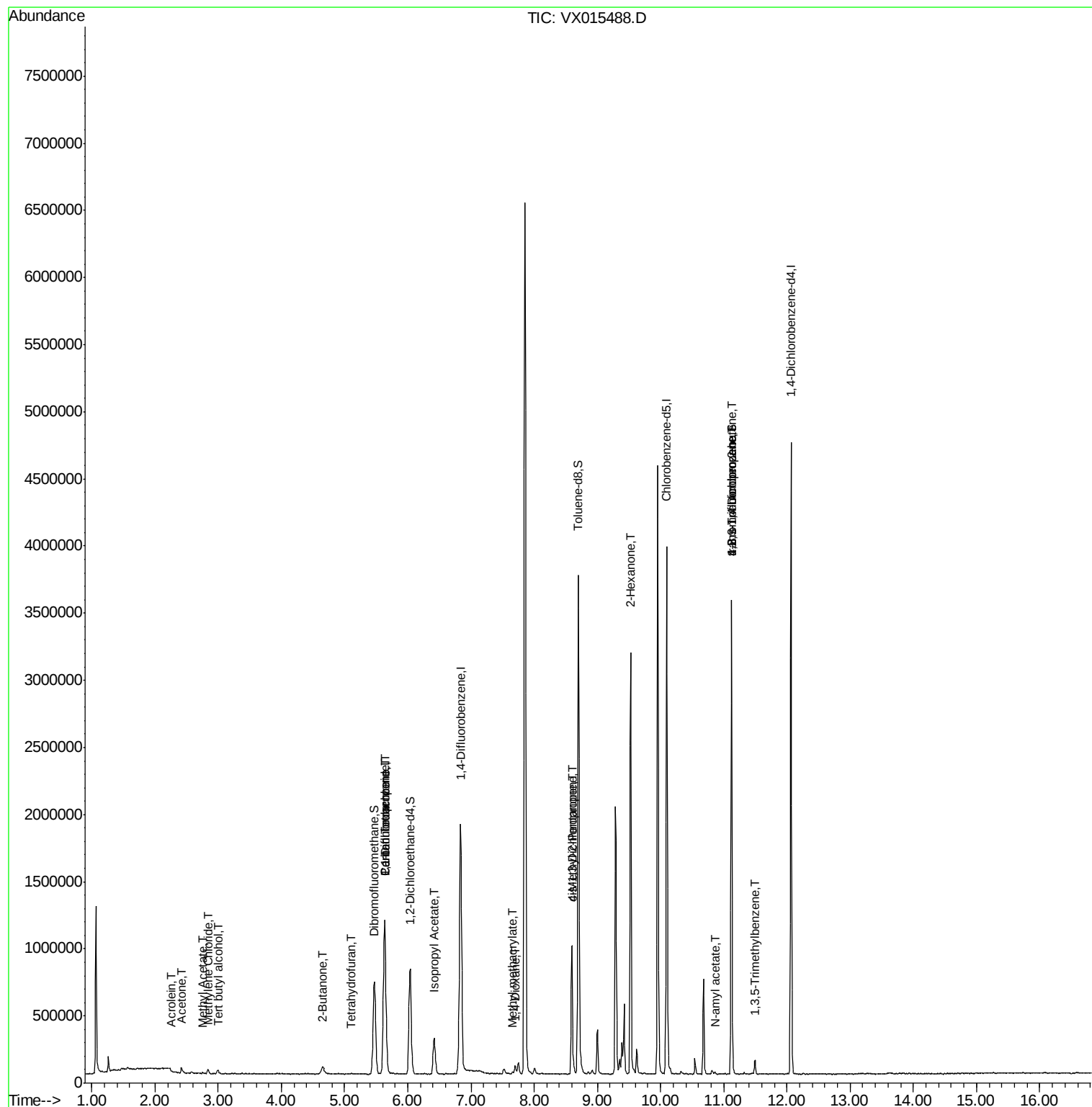
	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	298	Below Cal	#	25
11) Tert butyl alcohol	2.99	59	18303	4.876	ug/l #	79
13) Acrolein	2.27	56	457	0.214	ug/l #	14
16) Acetone	2.42	43	49432	7.337	ug/l	95
18) Methyl Acetate	2.75	43	12837	0.747	ug/l #	90
20) Methylene Chloride	2.83	84	16032	1.274	ug/l	96
25) 2-Butanone	4.66	43	11061	1.021	ug/l #	79
29) Tetrahydrofuran	5.11	42	2720	0.391	ug/l #	74
36) 1,1-Dichloropropene	5.64	75	87639	5.204	ug/l #	53
38) Carbon Tetrachloride	5.63	117	104654	5.737	ug/l #	14
43) Isopropyl Acetate	6.42	43	394669	10.662	ug/l	98
48) Methyl methacrylate	7.66	41	18078	0.978	ug/l #	20
49) 1,4-Dioxane	7.71	88	749	2.171	ug/l #	1
51) 4-Methyl-2-Pentanone	8.60	43	387990	18.494	ug/l #	52
54) cis-1,3-Dichloropropene	8.60	75	151912	6.741	ug/l #	53
59) 2-Hexanone	9.53	43	407986	25.759	ug/l #	52
74) N-amyl acetate	10.85	43	7123	0.212	ug/l #	53
76) 1,2,3-Trichloropropane	11.12	75	487105	25.689	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.50	105	47010	0.911	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.12	75	487105	61.640	ug/l #	10

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

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Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015488.D

Acq: 02 Apr 2020 17:37

Instrument :

MSVOA_X

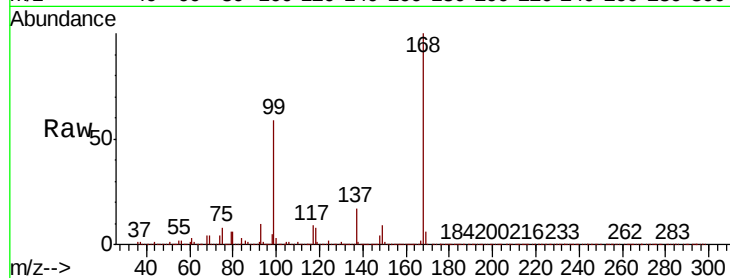
ClientSampleId :

Tot Ion:168 Resp: 1111842

Ion Ratio Lower Upper

168 100

99 58.8 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

400000

300000

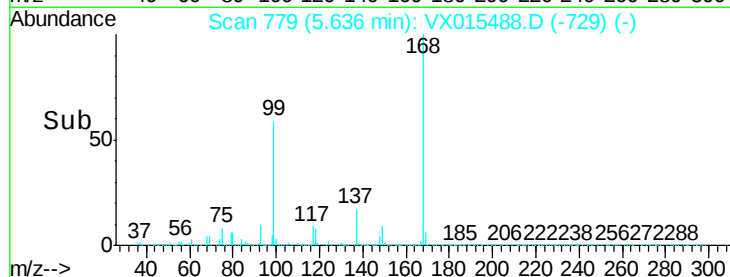
200000

100000

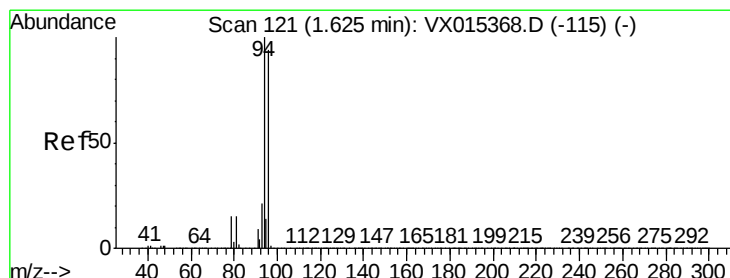
0

5.64

5.50 5.60 5.70 5.80



Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015488.D

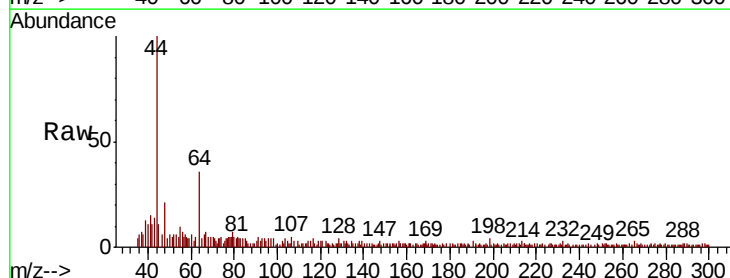
Acq: 02 Apr 2020 17:37

Tgt Ion: 94 Resp: 298

Ion Ratio Lower Upper

94 100

96 21.8 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1000

800

600

400

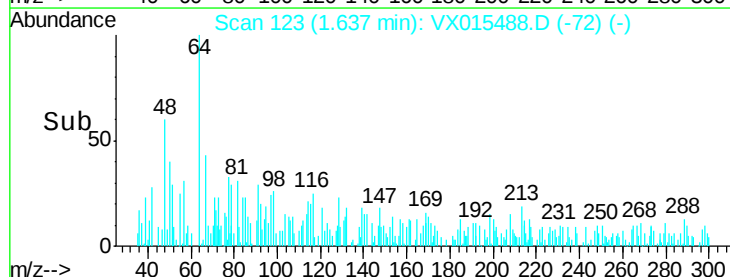
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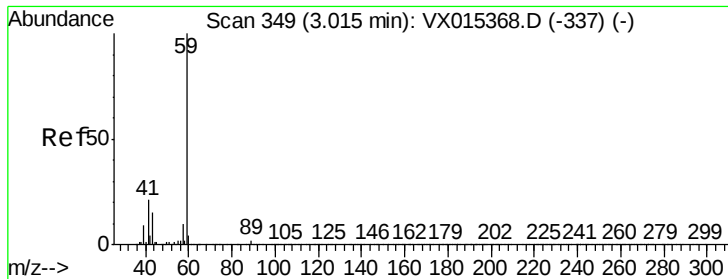
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1.62 1.63 1.64

1.64

Time-->

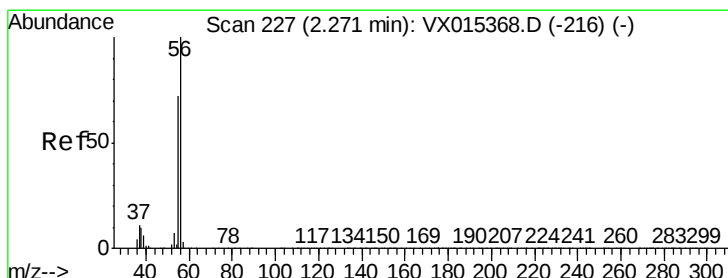
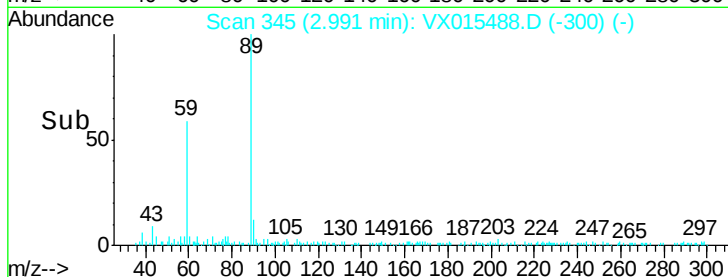
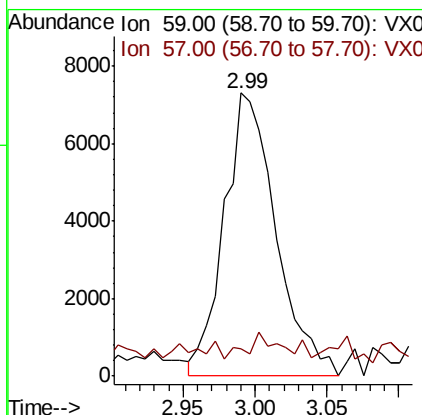
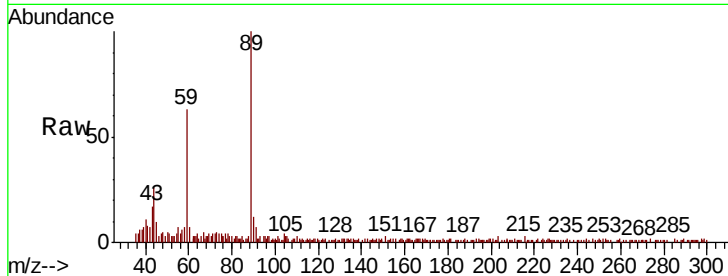




#11
Tert butvl alcohol
Concen: 4.876 ug/l
RT: 2.99 min Scan# 345
Delta R.T. -0.02 min
Lab File: VX015488.D
Acq: 02 Apr 2020 17:37

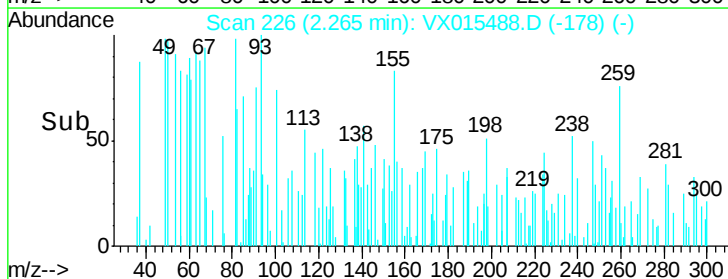
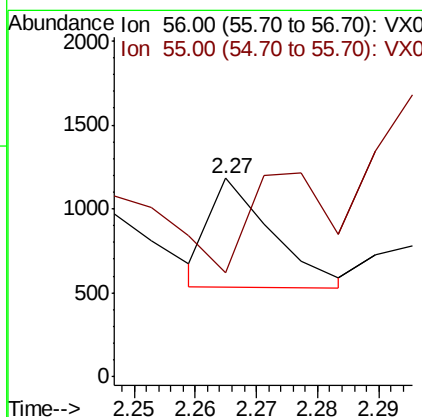
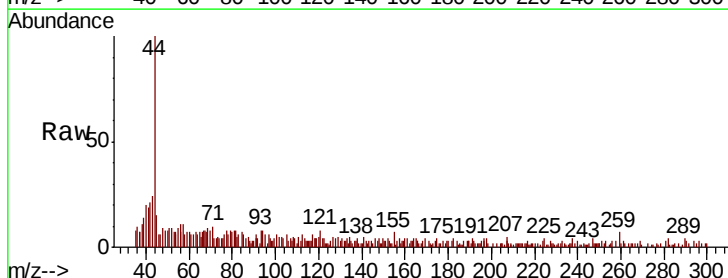
Instrument :
MSVOA_X
ClientSampleId :

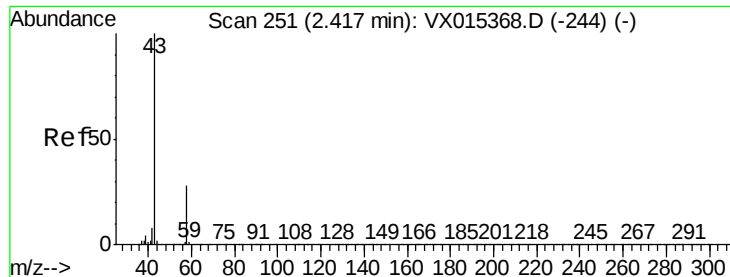
Tot Ion: 59 Resp: 18303
Ion Ratio Lower Upper
59 100
57 2.3 8.1 12.1#



#13
Acrolein
Concen: 0.214 ug/l
RT: 2.27 min Scan# 226
Delta R.T. -0.01 min
Lab File: VX015488.D
Acq: 02 Apr 2020 17:37

Tgt Ion: 56 Resp: 457
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#

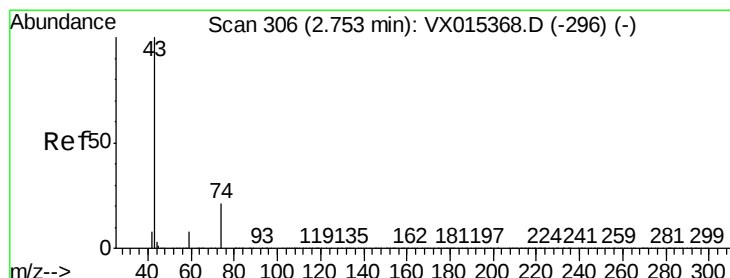
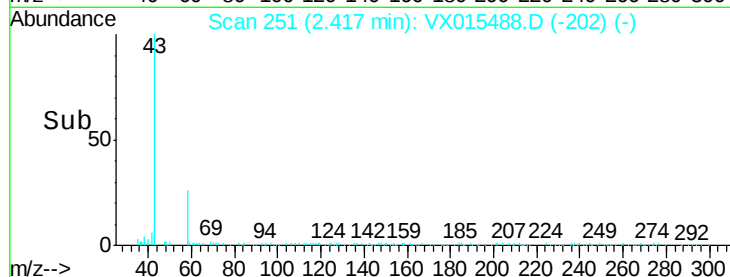
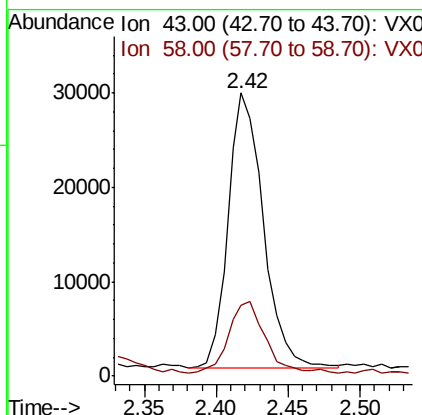
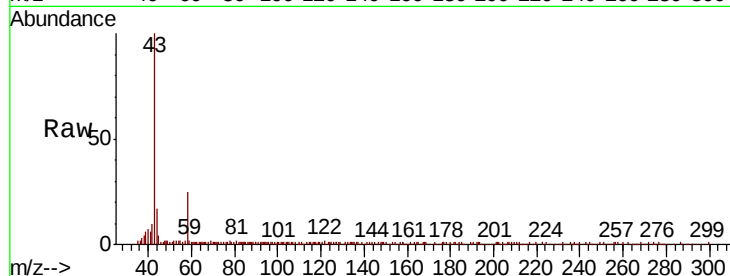




#16
Acetone
Concen: 7.337 ug/l
RT: 2.42 min Scan# 251
Delta R.T. 0.00 min
Lab File: VX015488.D
Acq: 02 Apr 2020 17:37

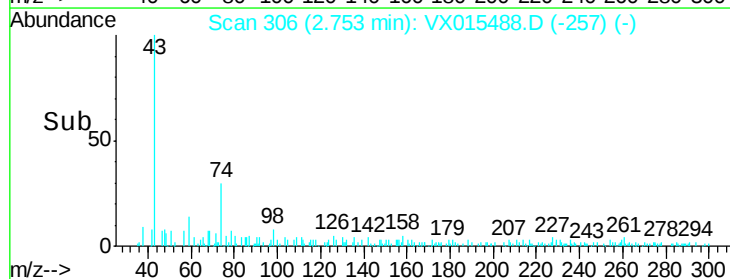
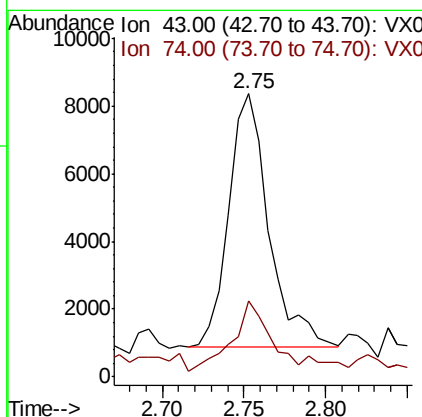
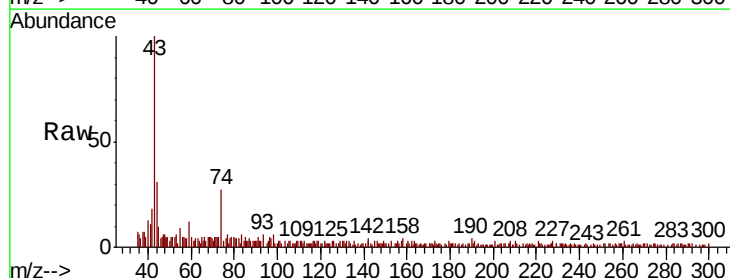
Instrument :
MSVOA_X
ClientSampleId :

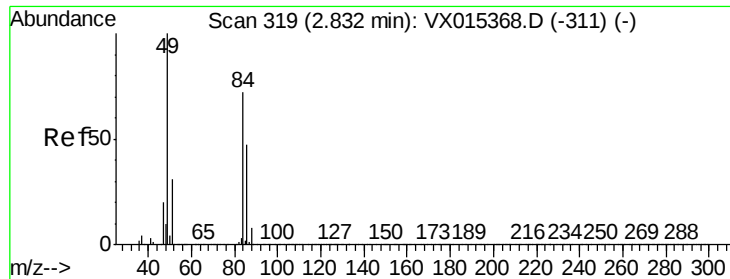
Tot Ion: 43 Resp: 49432
Ion Ratio Lower Upper
43 100
58 24.8 22.1 33.1



#18
Methyl Acetate
Concen: 0.747 ug/l
RT: 2.75 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX015488.D
Acq: 02 Apr 2020 17:37

Tgt Ion: 43 Resp: 12837
Ion Ratio Lower Upper
43 100
74 25.1 16.5 24.7#

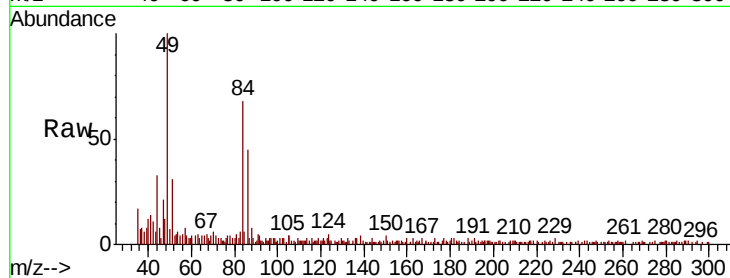




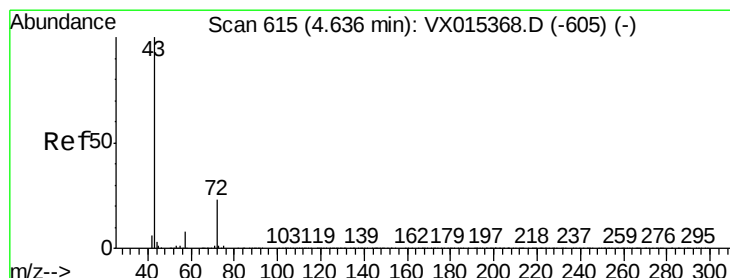
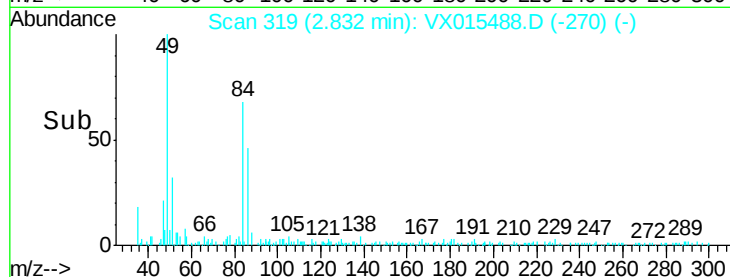
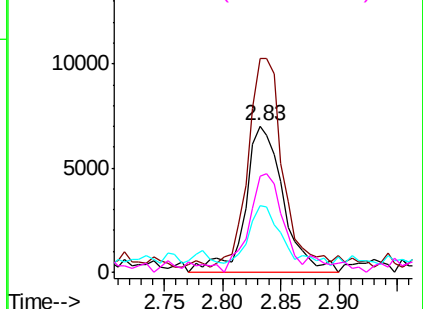
#20
Methvlene Chloride
Concen: 1.274 ug/l
RT: 2.83 min Scan# 319
Delta R.T. 0.00 min
Lab File: VX015488.D
Acq: 02 Apr 2020 17:37

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	84	Resp:	16032
Ion	Ratio	Lower	Upper
84	100		
49	141.1	111.3	166.9
51	37.2	34.0	51.0
86	59.9	52.5	78.7

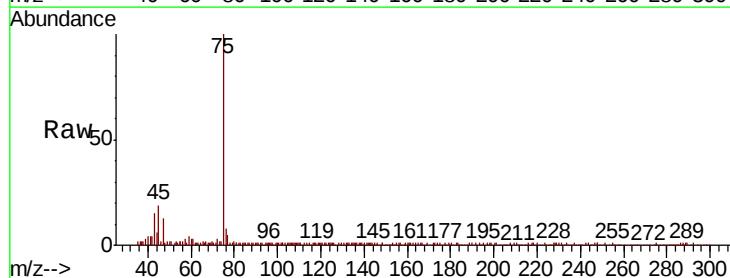


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

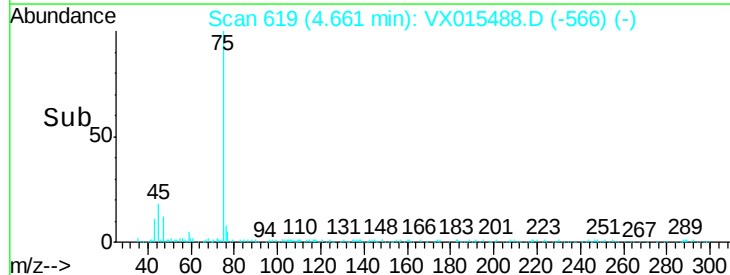
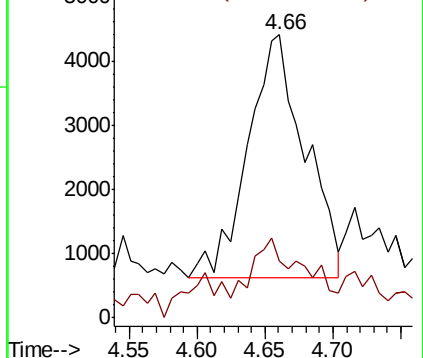


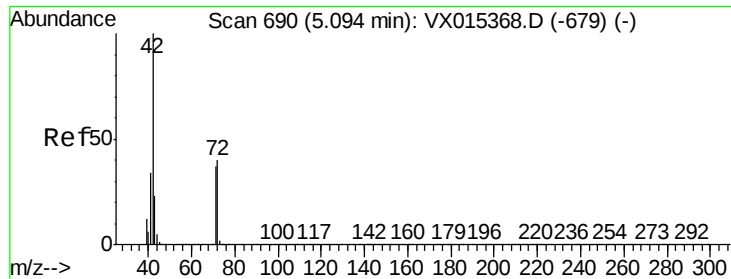
#25
2-Butanone
Concen: 1.021 ug/l
RT: 4.66 min Scan# 619
Delta R.T. 0.02 min
Lab File: VX015488.D
Acq: 02 Apr 2020 17:37

Tgt Ion:	43	Resp:	11061
Ion	Ratio	Lower	Upper
43	100		
72	13.3	19.0	28.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0

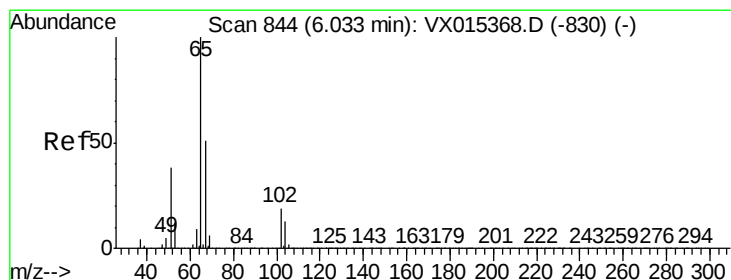
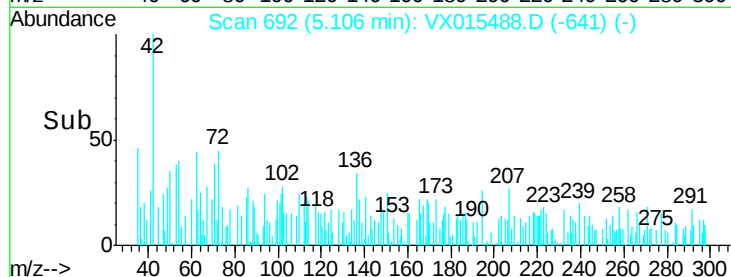
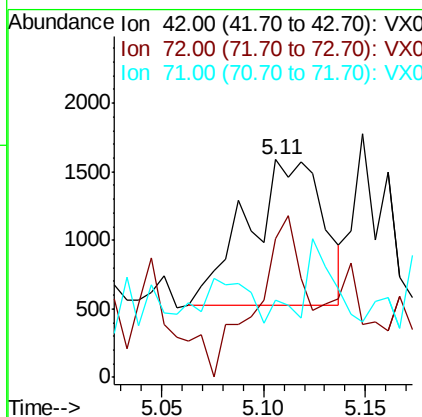
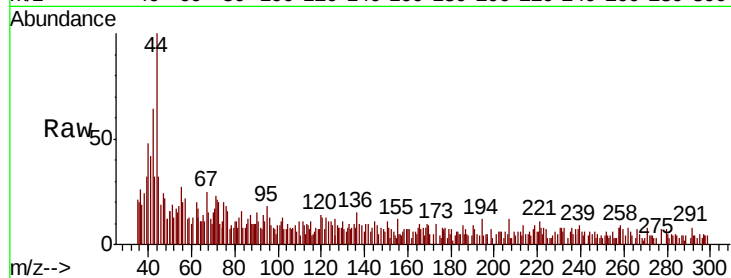




#29
Tetrahydrofuran
Concen: 0.391 ug/l
RT: 5.11 min Scan# 692
Delta R.T. 0.01 min
Lab File: VX015488.D
Acq: 02 Apr 2020 17:37

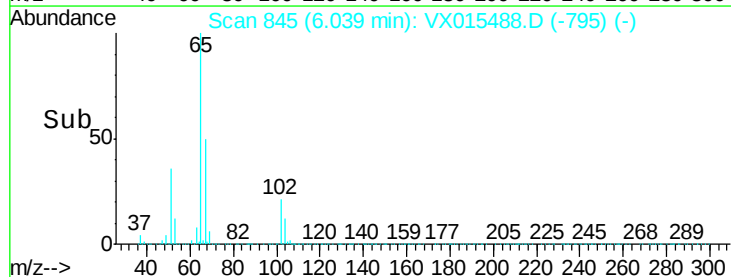
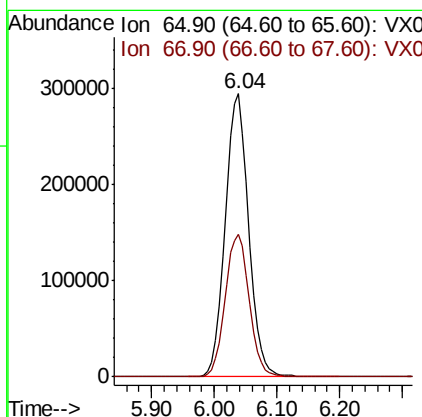
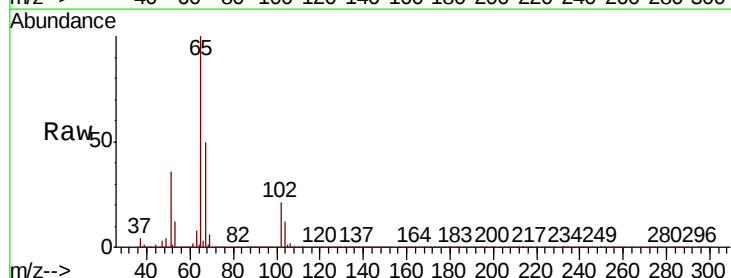
Instrument :
MSVOA_X
ClientSampled :

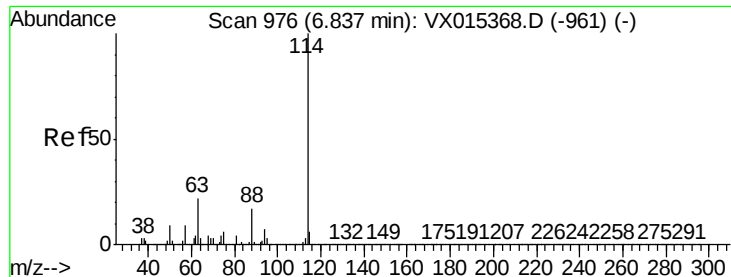
Tot Ion: 42 Resp: 2720
Ion Ratio Lower Upper
42 100
72 69.7 31.7 47.5#
71 36.5 29.6 44.4



#33
1,2-Dichloroethane-d4
Concen: 48.336 ug/l
RT: 6.04 min Scan# 845
Delta R.T. 0.01 min
Lab File: VX015488.D
Acq: 02 Apr 2020 17:37

Tgt Ion: 65 Resp: 757966
Ion Ratio Lower Upper
65 100
67 51.5 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: VX015488.D

Acq: 02 Apr 2020 17:37

Instrument :

MSVOA_X

ClientSampleId :

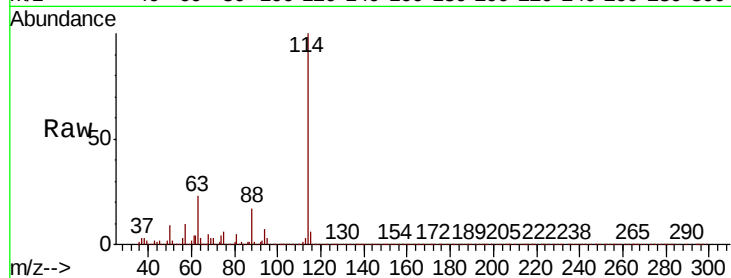
Tot Ion:114 Resp: 1827836

Ion Ratio Lower Upper

114 100

63 23.1 0.0 44.2

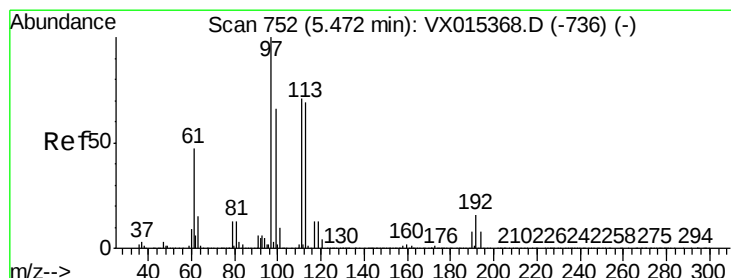
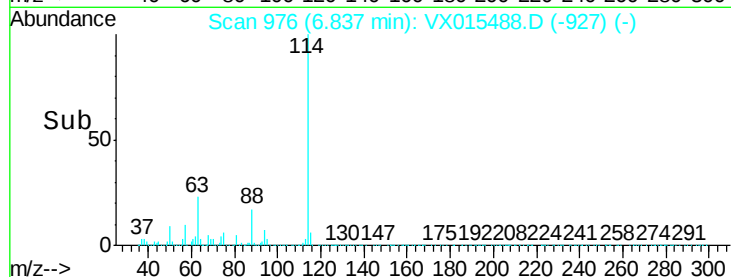
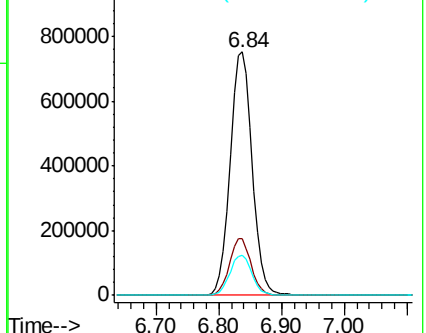
88 16.6 0.0 33.8



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: 49.754 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015488.D

Acq: 02 Apr 2020 17:37

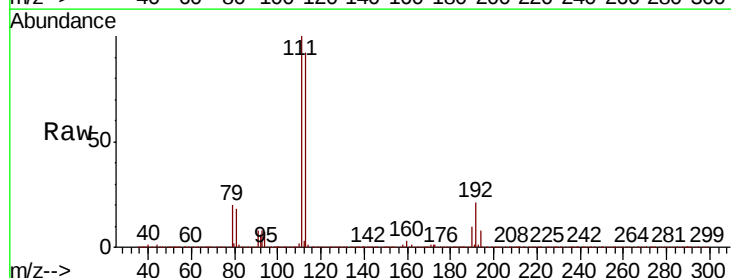
Tgt Ion:113 Resp: 581331

Ion Ratio Lower Upper

113 100

111 102.6 81.5 122.3

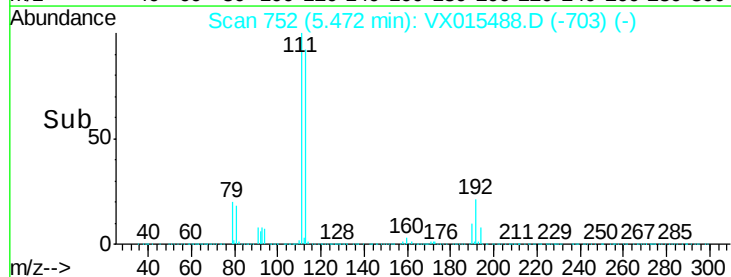
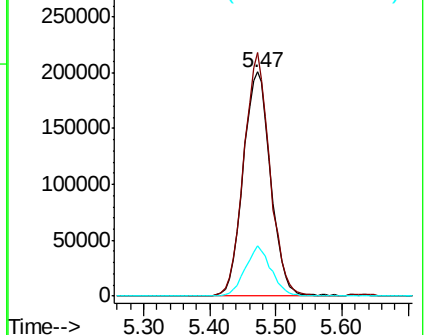
192 21.1 17.8 26.6

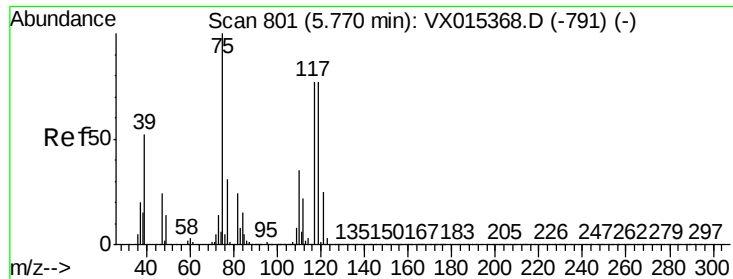


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

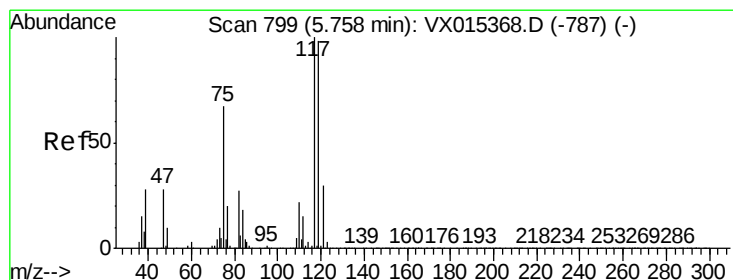
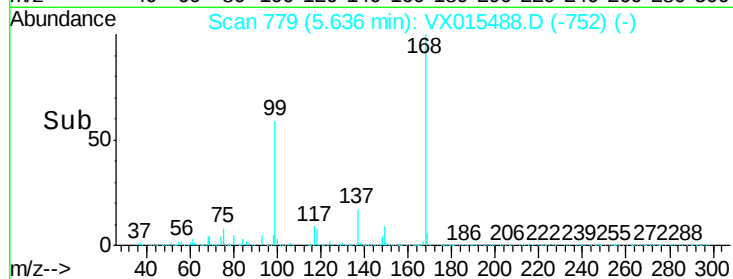
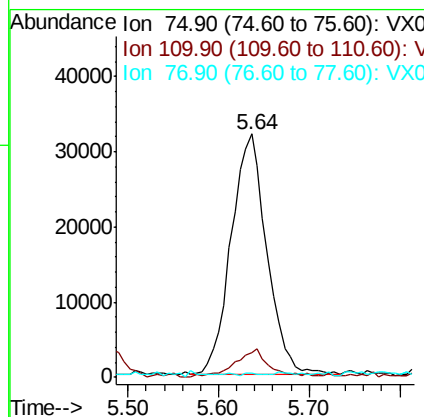
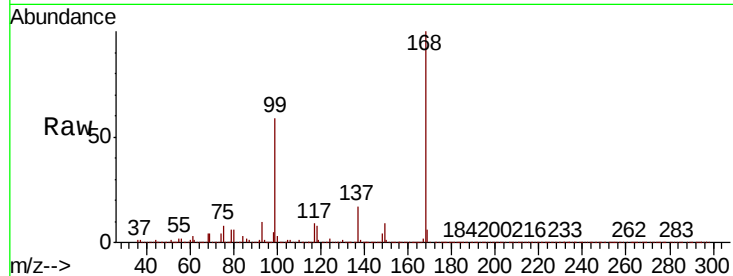




#36
 1,1-Dichloropropene
 Concen: 5.204 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.13 min
 Lab File: VX015488.D
 Acq: 02 Apr 2020 17:37

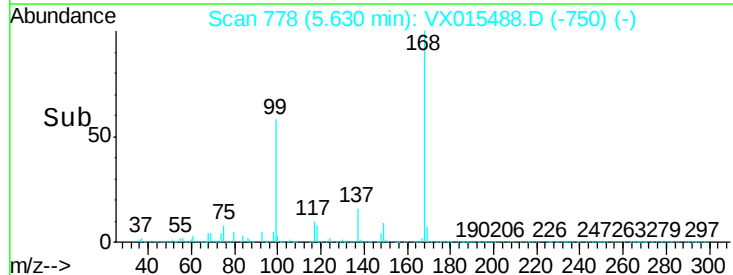
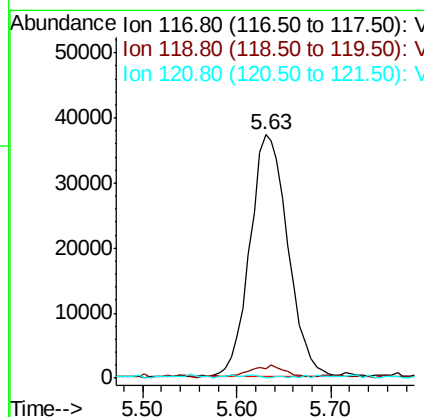
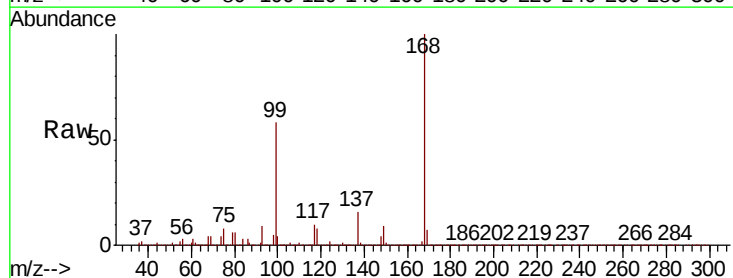
Instrument :
 MSVOA_X
 ClientSampleId :

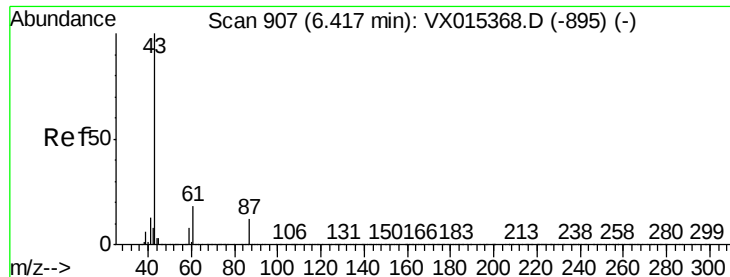
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.0	17.1	51.3#
77	0.4	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.737 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.13 min
 Lab File: VX015488.D
 Acq: 02 Apr 2020 17:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.4	78.0	117.0#
121	0.0	23.8	35.8#



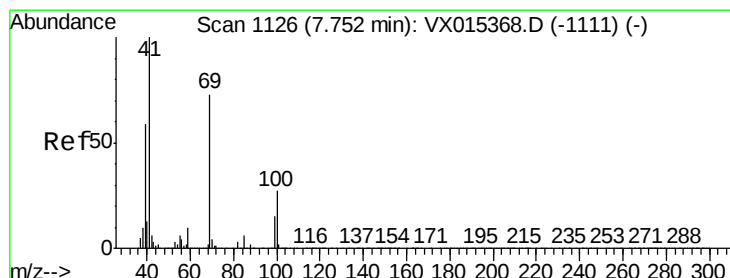
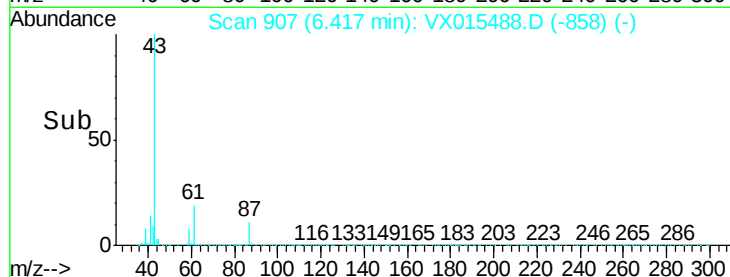
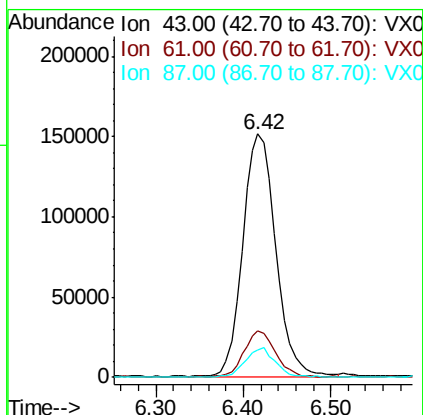
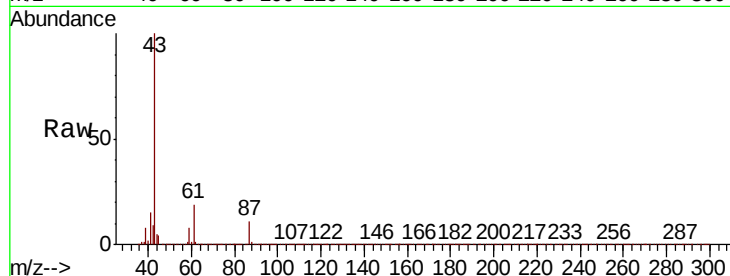


#43

Isopropyl Acetate
 Concen: 10.662 ug/l
 RT: 6.42 min Scan# 907
 Delta R.T. 0.00 min
 Lab File: VX015488.D
 Acq: 02 Apr 2020 17:37

Instrument :
 MSVOA_X
 ClientSampleId :

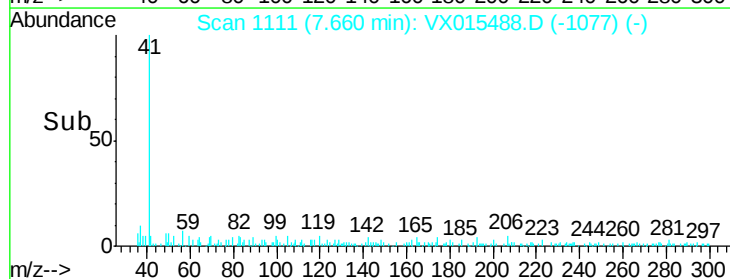
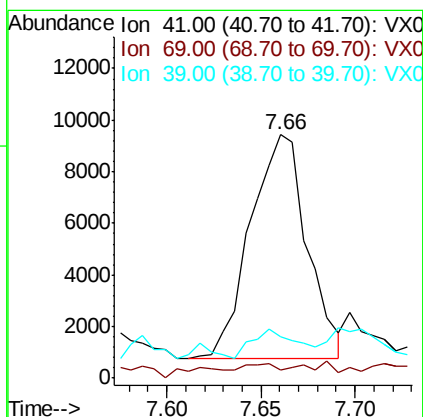
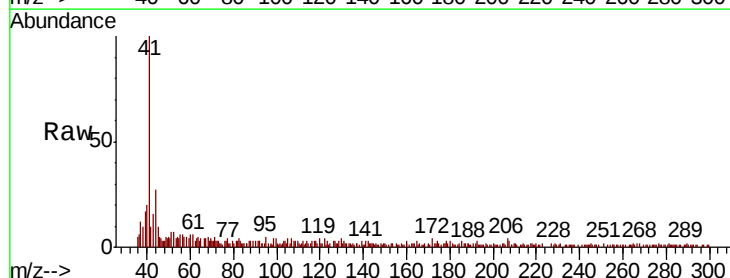
Tot Ion:	43	Resp:	394669
Ion	Ratio	Lower	Upper
43	100		
61	17.5	14.8	22.2
87	11.2	9.4	14.0

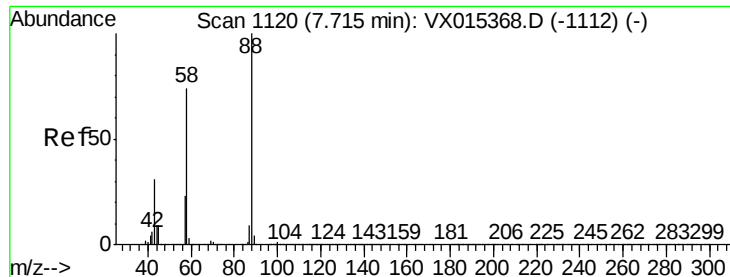


#48

Methyl methacrylate
 Concen: 0.978 ug/l
 RT: 7.66 min Scan# 1111
 Delta R.T. -0.09 min
 Lab File: VX015488.D
 Acq: 02 Apr 2020 17:37

Tgt Ion:	41	Resp:	18078
Ion	Ratio	Lower	Upper
41	100		
69	3.6	56.7	85.1#
39	0.0	46.5	69.7#





#49

1,4-Dioxane

Concen: 2.171 ug/l

RT: 7.71 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VX015488.D

Acq: 02 Apr 2020 17:37

Instrument :

MSVOA_X

ClientSampleId :

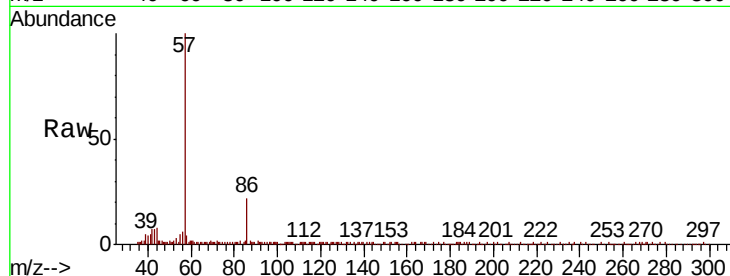
Tot Ion: 88 Resp: 749

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

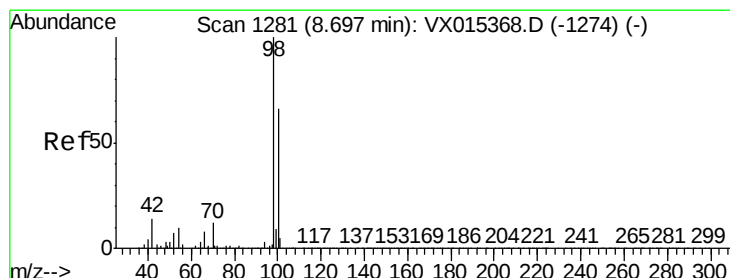
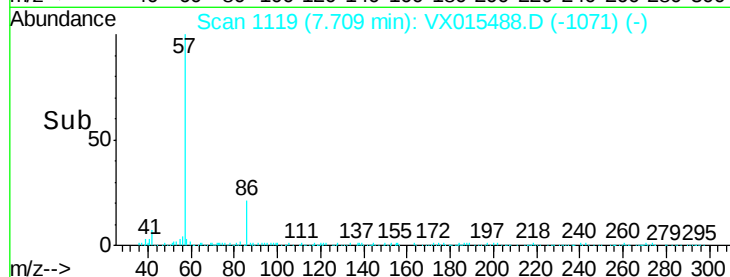
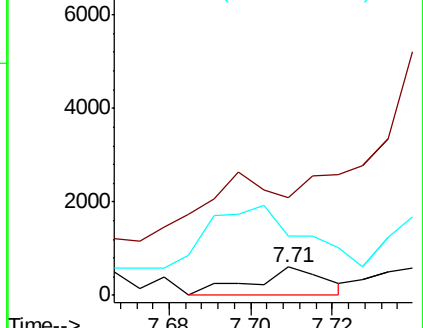
58 329.4 60.6 90.8#



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



#50

Toluene-d8

Concen: 50.786 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015488.D

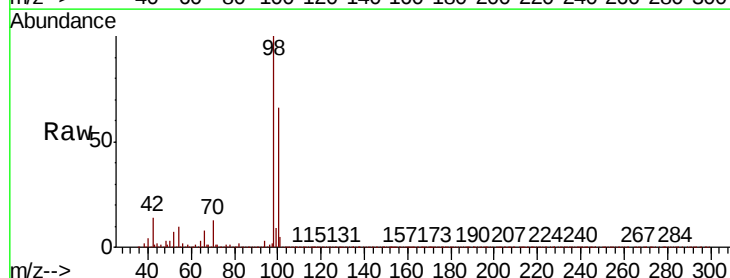
Acq: 02 Apr 2020 17:37

Tgt Ion: 98 Resp: 2184687

Ion Ratio Lower Upper

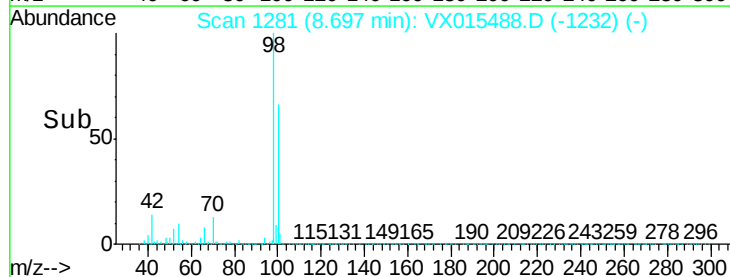
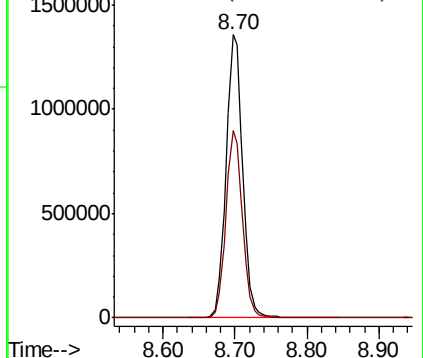
98 100

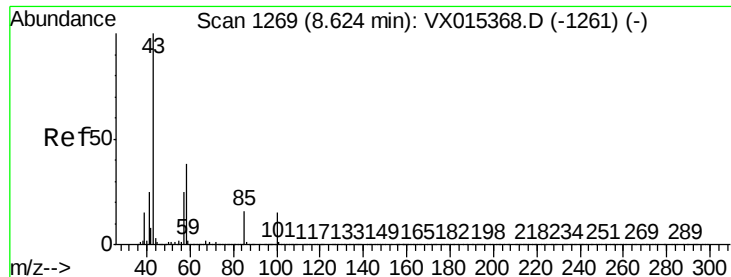
100 66.1 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 18.494 ug/l

RT: 8.60 min Scan# 1265

Delta R.T. -0.02 min

Lab File: VX015488.D

Acq: 02 Apr 2020 17:37

Instrument :

MSVOA_X

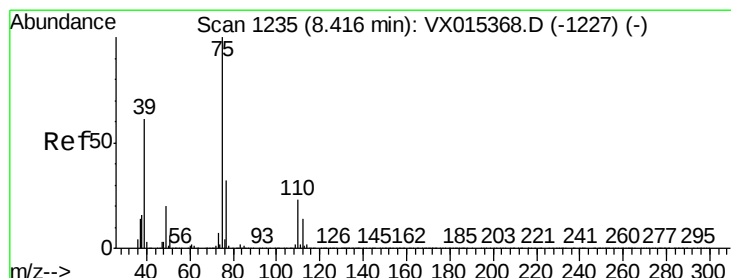
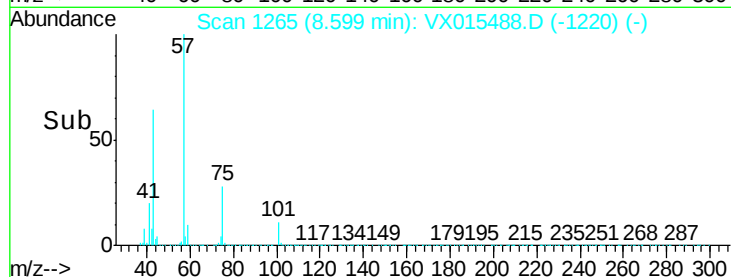
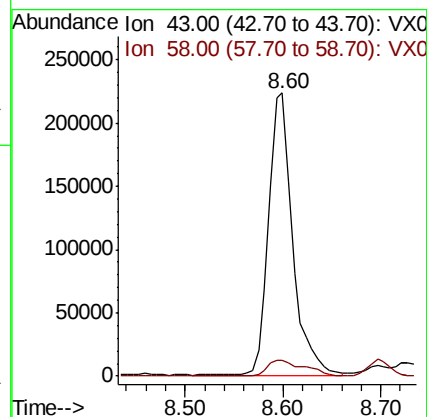
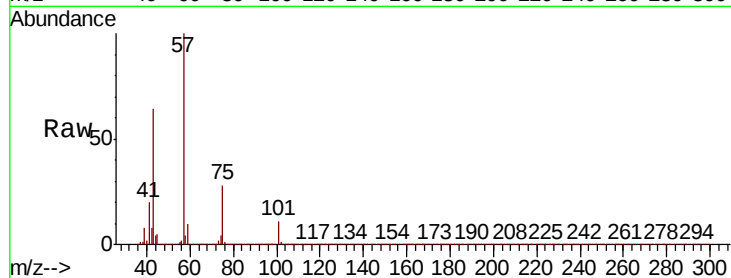
ClientSampleId :

Tot Ion: 43 Resp: 387990

Ion Ratio Lower Upper

43 100

58 8.7 29.7 44.5#



#54

cis-1,3-Dichloropropene

Concen: 6.741 ug/l

RT: 8.60 min Scan# 1265

Delta R.T. 0.18 min

Lab File: VX015488.D

Acq: 02 Apr 2020 17:37

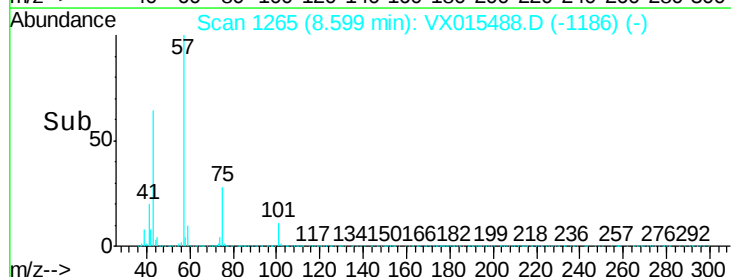
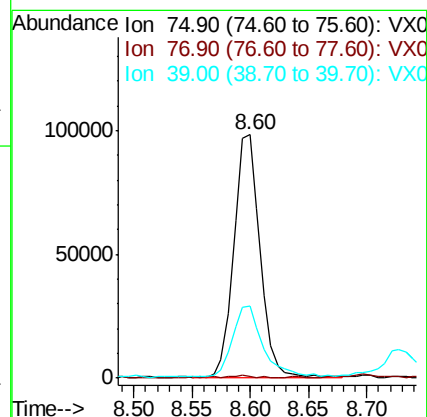
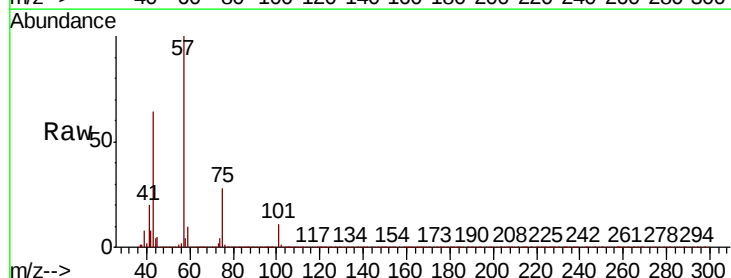
Tgt Ion: 75 Resp: 151912

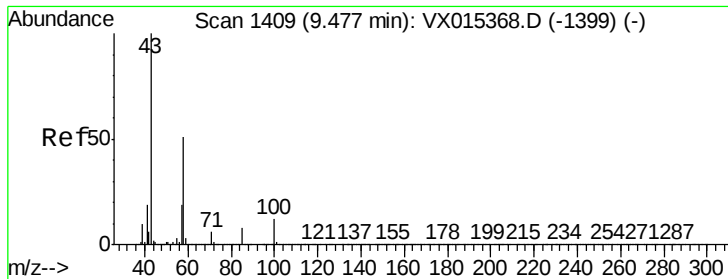
Ion Ratio Lower Upper

75 100

77 0.6 25.8 38.6#

39 29.0 49.0 73.4#

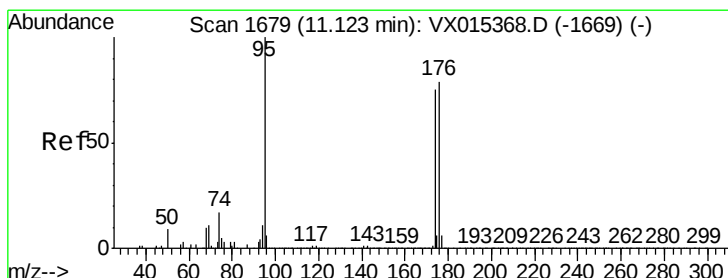
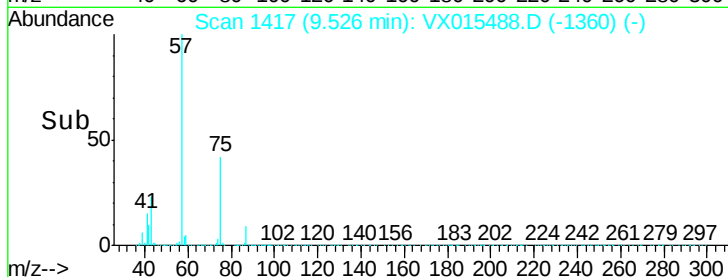
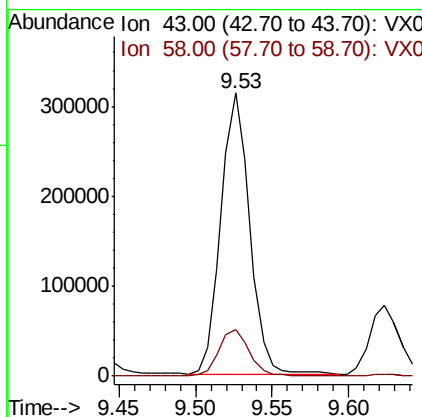
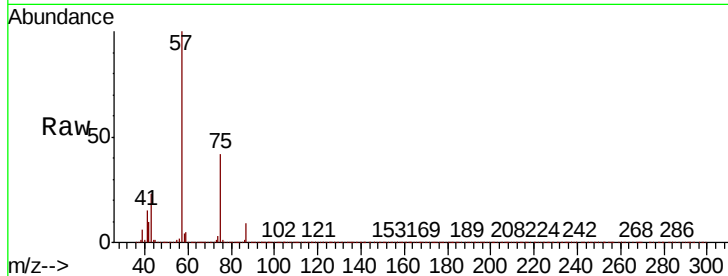




#59
2-Hexanone
Concen: 25.759 ug/l
RT: 9.53 min Scan# 1417
Delta R.T. 0.05 min
Lab File: VX015488.D
Acq: 02 Apr 2020 17:37

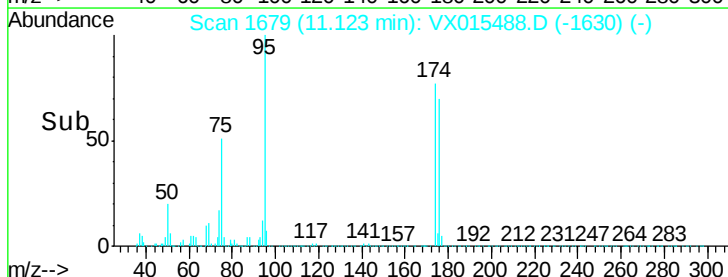
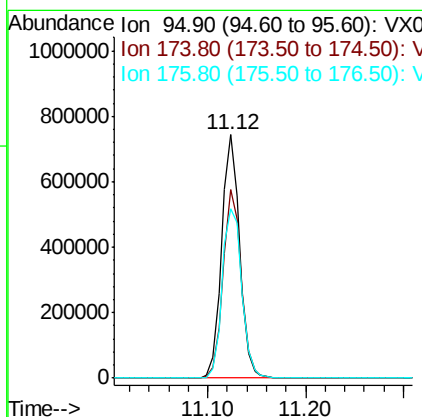
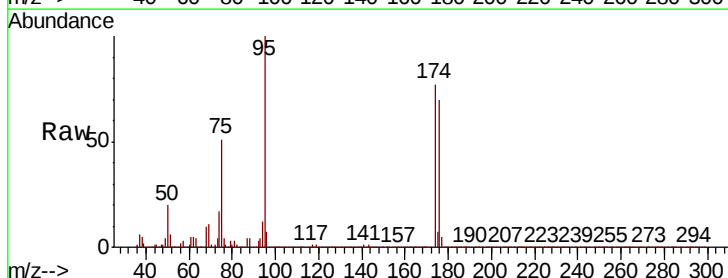
Instrument :
MSVOA_X
ClientSampleId :

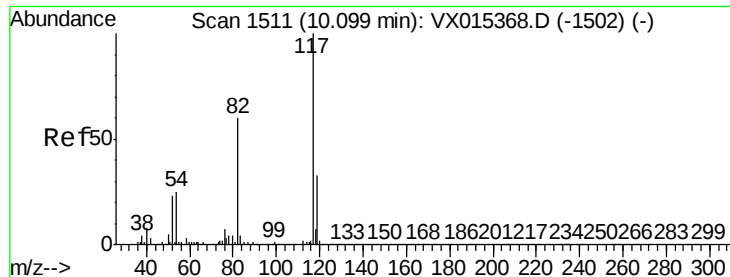
Tot Ion: 43 Resp: 407986
Ion Ratio Lower Upper
43 100
58 17.4 25.6 76.6#



#62
4-Bromofluorobenzene
Concen: 54.028 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015488.D
Acq: 02 Apr 2020 17:37

Tgt Ion: 95 Resp: 944535
Ion Ratio Lower Upper
95 100
174 78.5 0.0 158.6
176 75.7 0.0 159.0

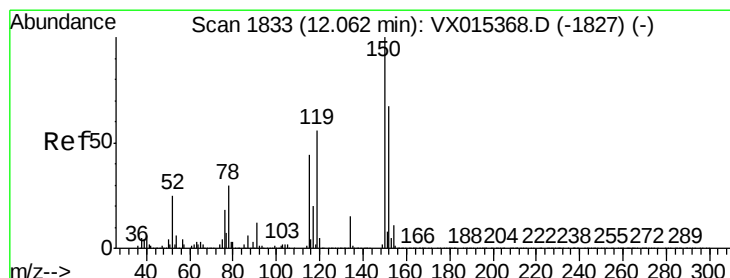
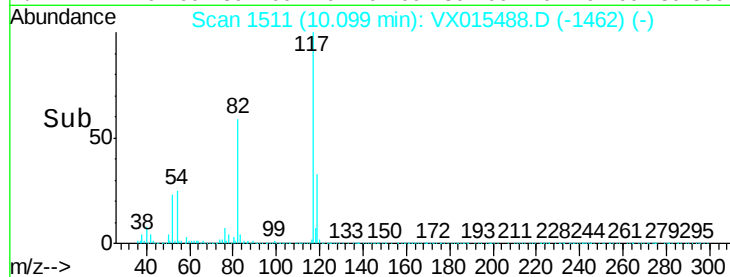
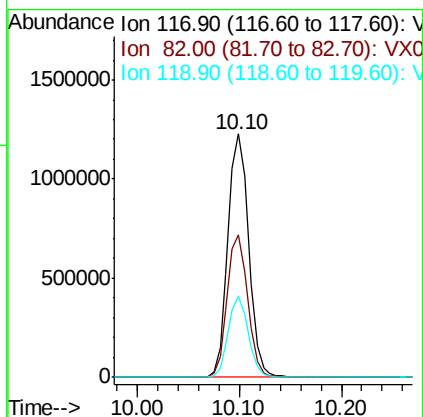
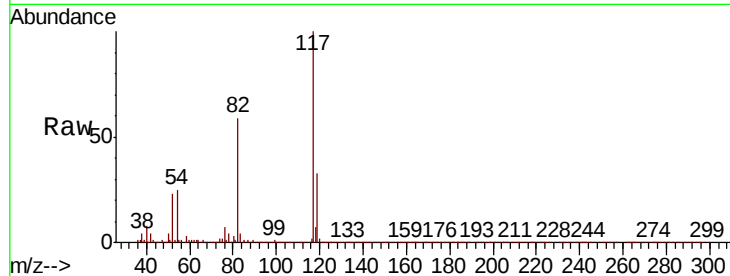




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015488.D
Acq: 02 Apr 2020 17:37

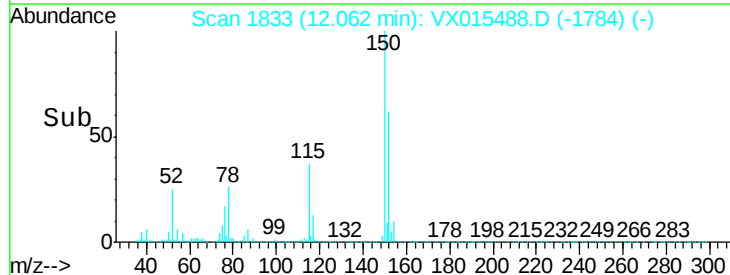
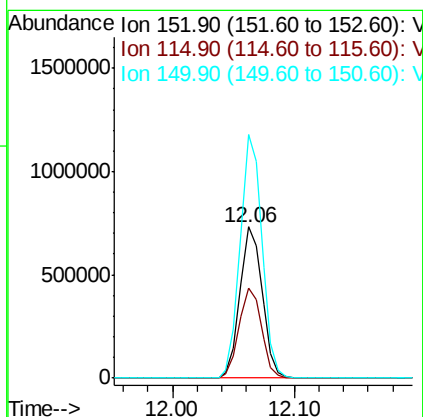
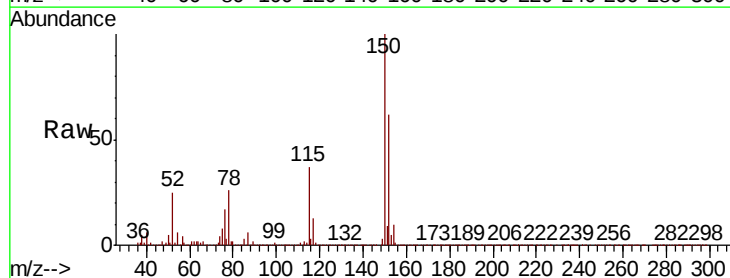
Instrument :
MSVOA_X
ClientSampleId :

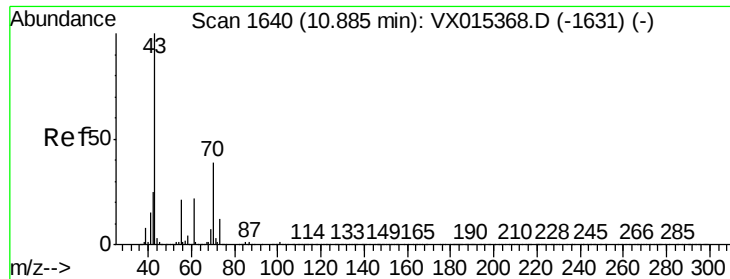
Tot Ion:117 Resp: 1725925
Ion Ratio Lower Upper
117 100
82 58.7 47.8 71.8
119 33.4 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015488.D
Acq: 02 Apr 2020 17:37

Tgt Ion:152 Resp: 922065
Ion Ratio Lower Upper
152 100
115 59.7 39.0 116.9
150 157.4 0.0 340.8





#74

N-amvl acetate

Concen: 0.212 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.03 min

Lab File: VX015488.D

Acq: 02 Apr 2020 17:37

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 7123

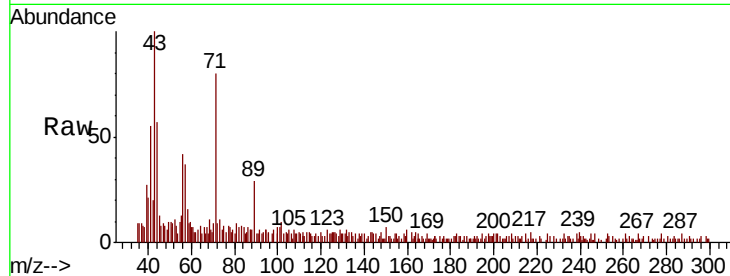
Ion Ratio Lower Upper

43 100

70 0.0 30.2 45.4#

55 12.9 16.8 25.2#

61 0.0 18.2 27.2#

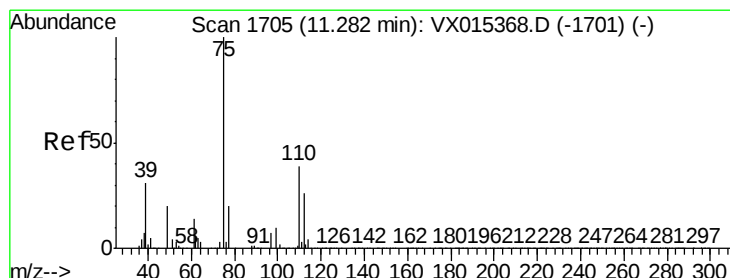
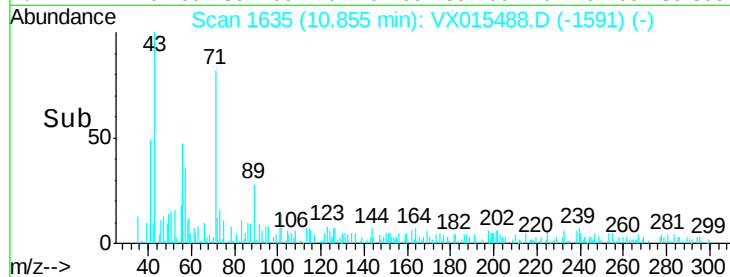
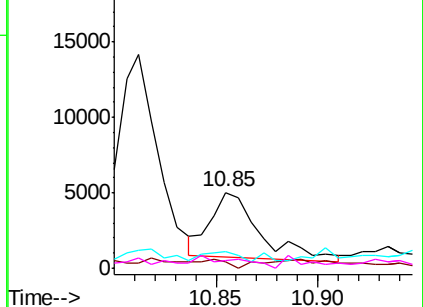


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 25.689 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015488.D

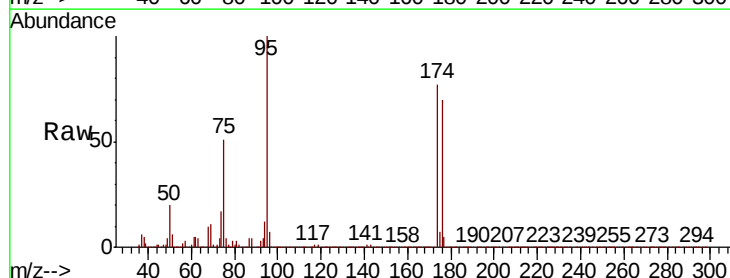
Acq: 02 Apr 2020 17:37

Tgt Ion: 75 Resp: 487105

Ion Ratio Lower Upper

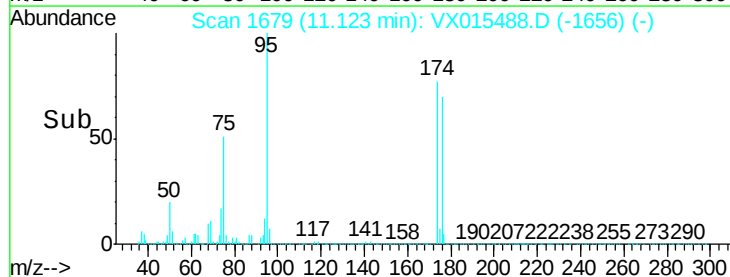
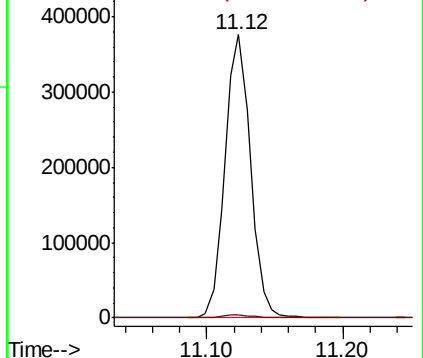
75 100

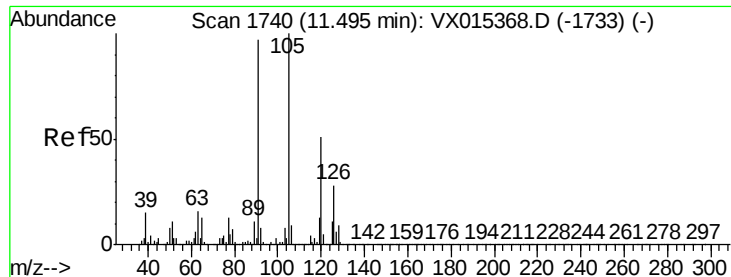
77 1.1 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#80

1,3,5-Trimethylbenzene

Concen: 0.911 ug/l

RT: 11.50 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VX015488.D

Acq: 02 Apr 2020 17:37

Instrument :

MSVOA_X

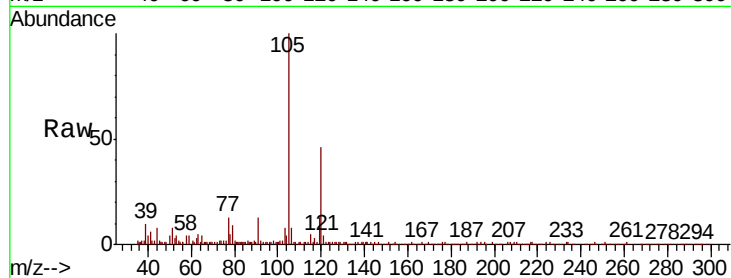
ClientSampleId :

Tot Ion:105 Resp: 47010

Ion Ratio Lower Upper

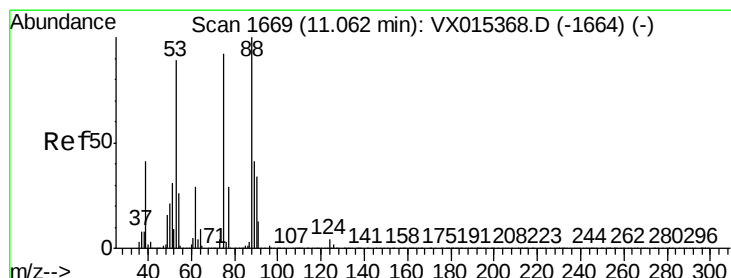
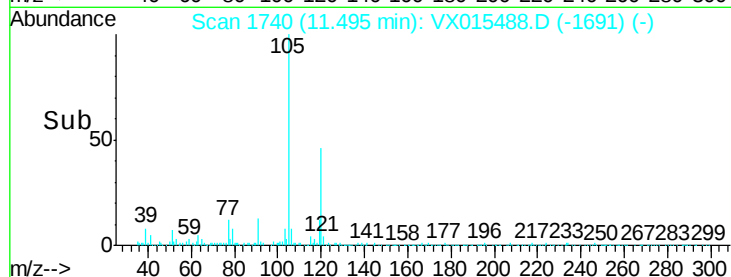
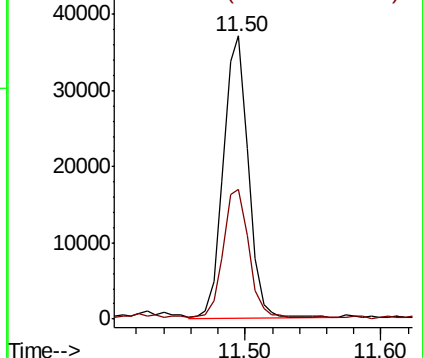
105 100

120 47.1 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 61.640 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015488.D

Acq: 02 Apr 2020 17:37

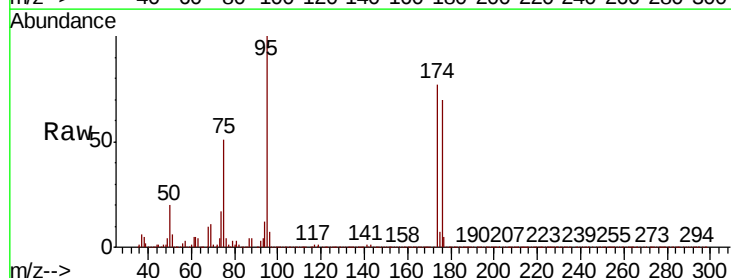
Tgt Ion: 75 Resp: 487105

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.1 36.1 54.1#



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

