

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040220\
 Data File : VX015491.D
 Acq On : 02 Apr 2020 18:45
 Operator : JC/SP
 Sample : PB127948ZHE#13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 03 08:04:00 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	1069996	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1735020	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1655799	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	922216	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	735660	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
35) Dibromofluoromethane	5.48	113	551241	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
50) Toluene-d8	8.70	98	2087364	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
62) 4-Bromofluorobenzene	11.12	95	913339	55.04	ug/l	0.00
Spiked Amount			Recovery	=	110.08%	

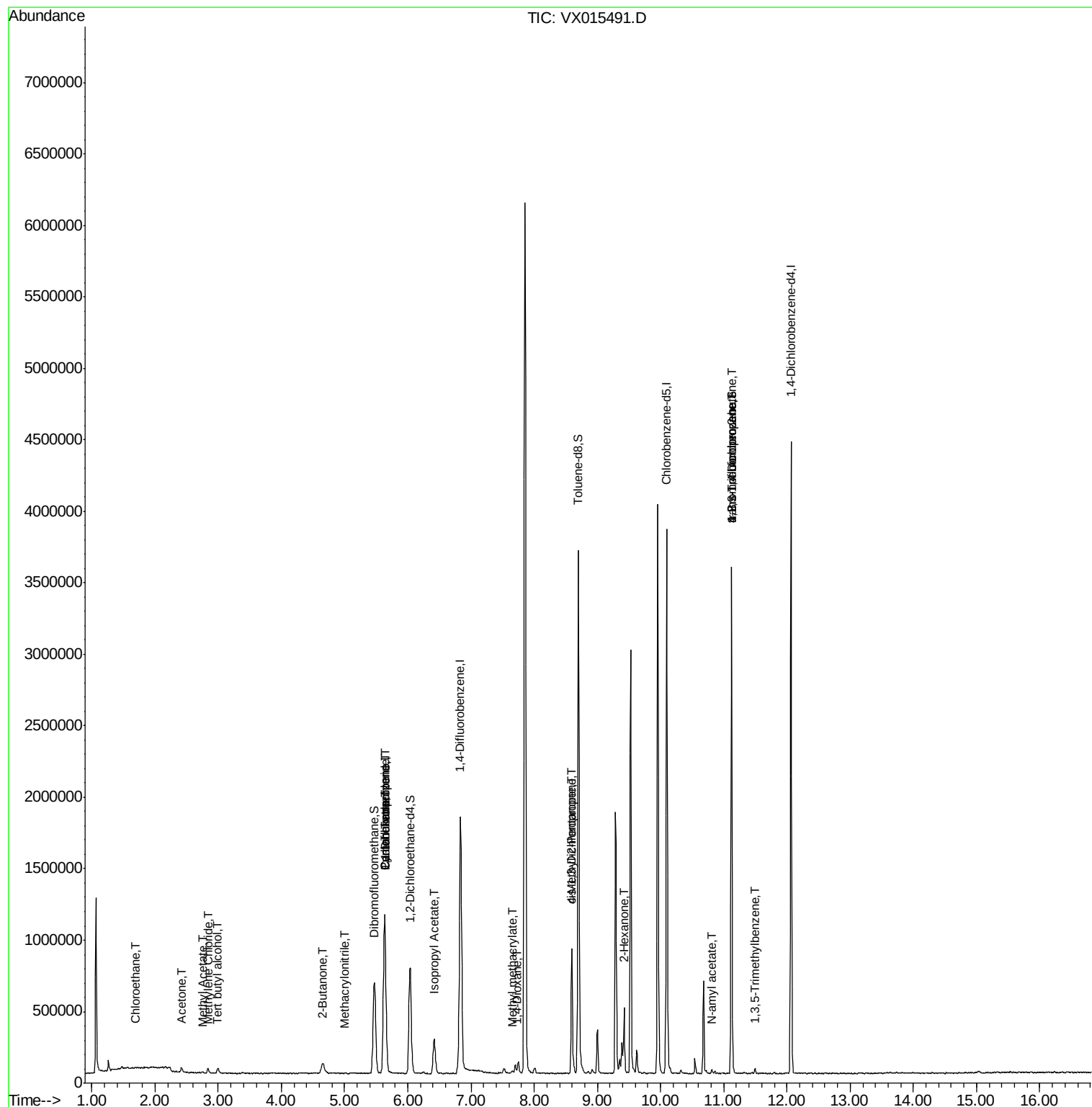
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	1439	Below Cal	#	8
6) Chloroethane	1.69	64	1779	0.260	ug/l #	71
11) Tert butyl alcohol	3.00	59	23804	6.590	ug/l #	80
16) Acetone	2.42	43	42315	6.527	ug/l	97
18) Methyl Acetate	2.75	43	14364	0.868	ug/l #	81
20) Methylene Chloride	2.84	84	14362	1.186	ug/l	95
25) 2-Butanone	4.66	43	21051	2.019	ug/l #	80
31) Cyclohexane	5.63	56	24282	1.271	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	82543	5.163	ug/l #	52
38) Carbon Tetrachloride	5.64	117	103432	5.974	ug/l #	15
41) Methacrylonitrile	5.00	41	2677	0.232	ug/l #	58
43) Isopropyl Acetate	6.42	43	353116	10.049	ug/l	99
48) Methyl methacrylate	7.65	41	18482	1.053	ug/l #	21
49) 1,4-Dioxane	7.73	88	581	1.774	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	341317	17.140	ug/l #	48
54) cis-1,3-Dichloropropene	8.60	75	138528	6.476	ug/l #	55
59) 2-Hexanone	9.42	43	323771	21.535	ug/l #	27
74) N-amyl acetate	10.81	43	18355	0.546	ug/l #	49
76) 1,2,3-Trichloropropane	11.12	75	473533	24.969	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.49	105	16827	0.326	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.12	75	473533	59.913	ug/l #	10

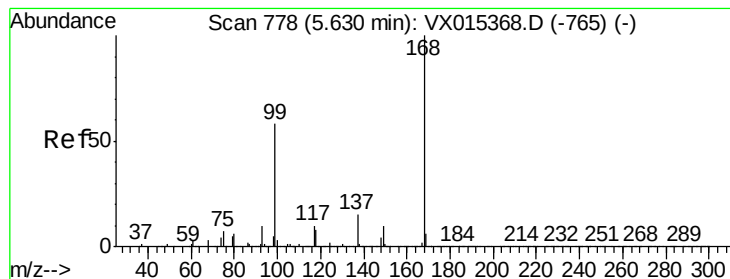
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
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: VX015491.D

Acq: 02 Apr 2020 18:45

Instrument :

MSVOA_X

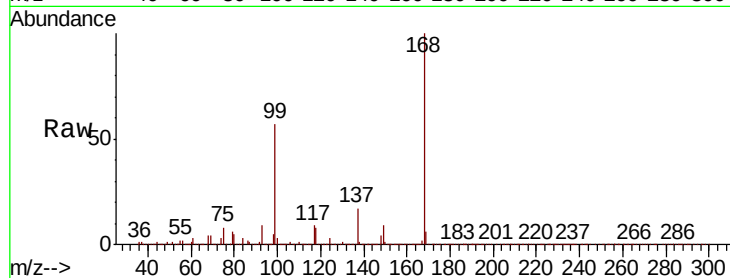
ClientSampleId :

Tot Ion:168 Resp: 1069996

Ion Ratio Lower Upper

168 100

99 56.9 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

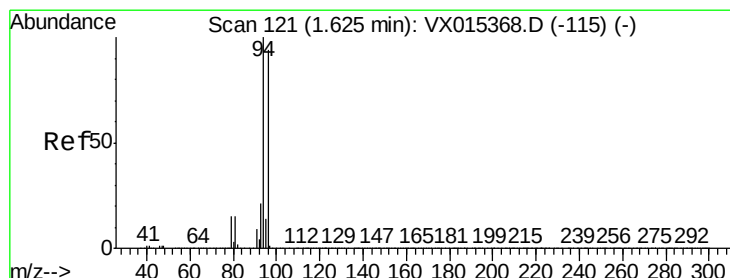
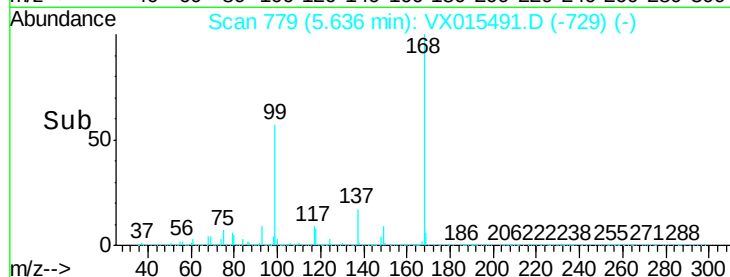
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX015491.D

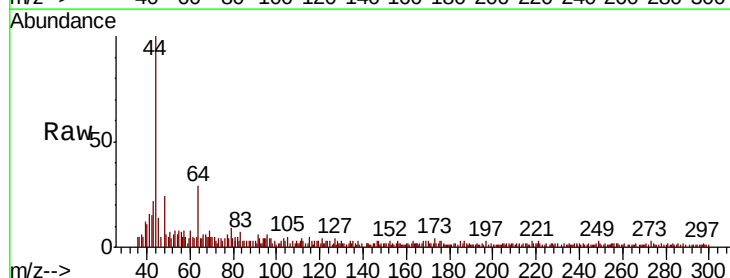
Acq: 02 Apr 2020 18:45

Tgt Ion: 94 Resp: 1439

Ion Ratio Lower Upper

94 100

96 5.3 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

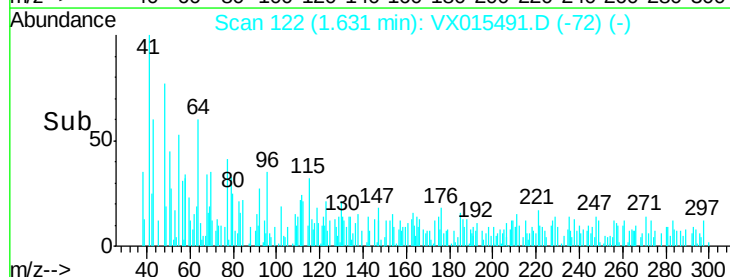
600

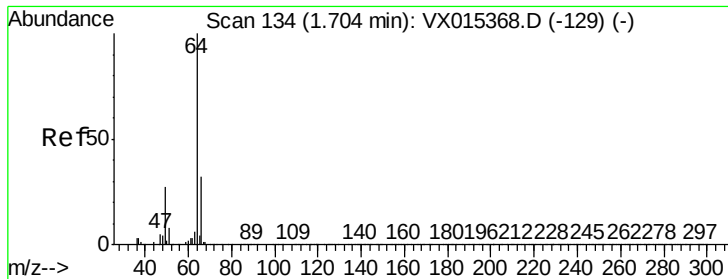
400

200

0

Time-->





#6

Chloroethane

Concen: 0.260 ug/l

RT: 1.69 min Scan# 132

Delta R.T. -0.01 min

Lab File: VX015491.D

Acq: 02 Apr 2020 18:45

Instrument :

MSVOA_X

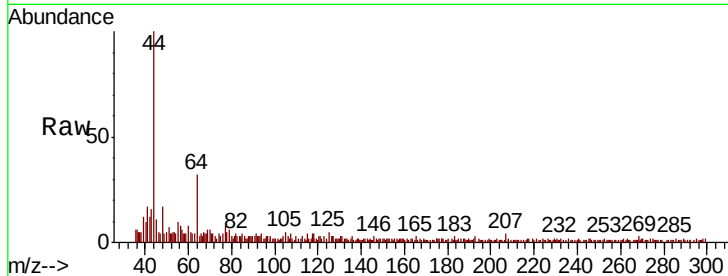
ClientSampleId :

Tot Ion: 64 Resp: 1779

Ion Ratio Lower Upper

64 100

66 15.8 25.4 38.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.69

4000

3000

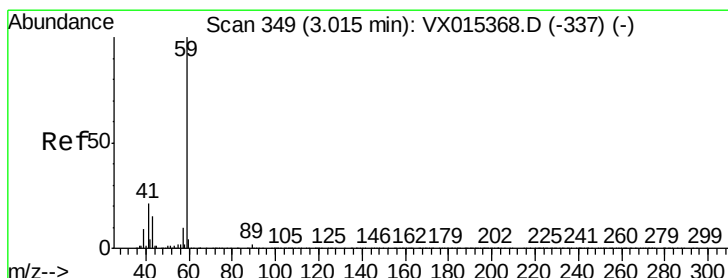
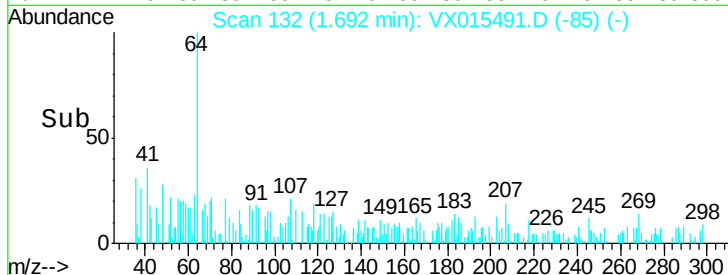
2000

1000

0

Time-->

1.66 1.68 1.70 1.72



#11

Tert butyl alcohol

Concen: 6.590 ug/l

RT: 3.00 min Scan# 346

Delta R.T. -0.02 min

Lab File: VX015491.D

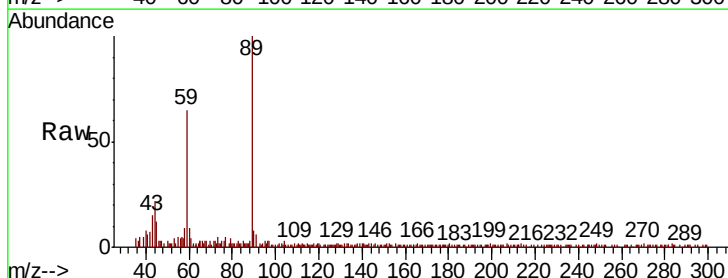
Acq: 02 Apr 2020 18:45

Tgt Ion: 59 Resp: 23804

Ion Ratio Lower Upper

59 100

57 2.8 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.00

10000

8000

6000

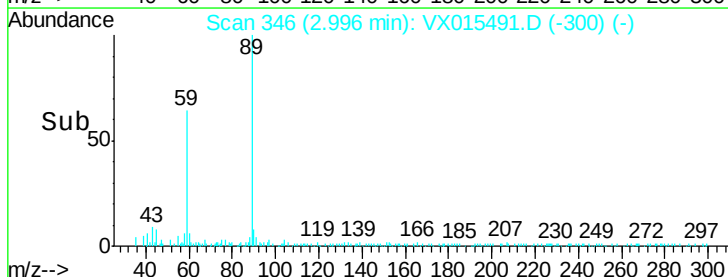
4000

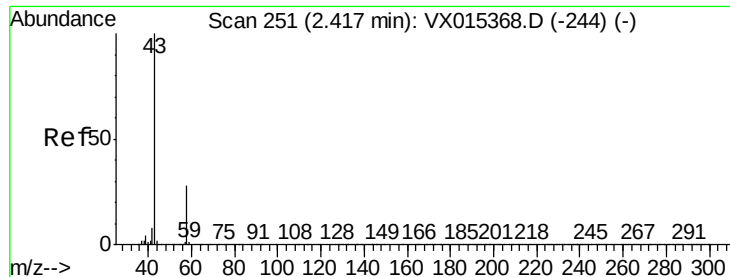
2000

0

Time-->

2.90 2.95 3.00 3.05 3.10

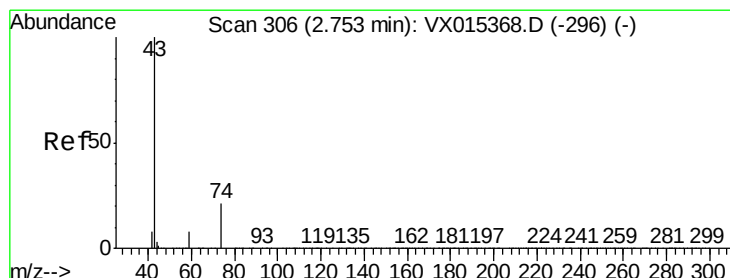
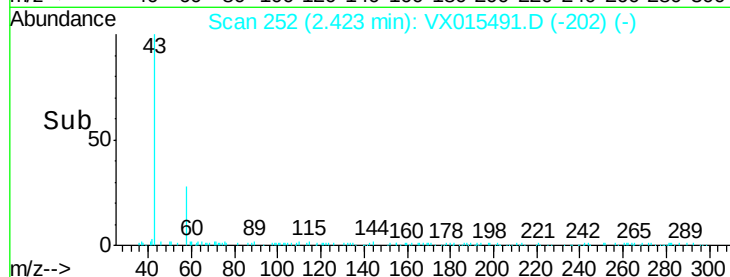
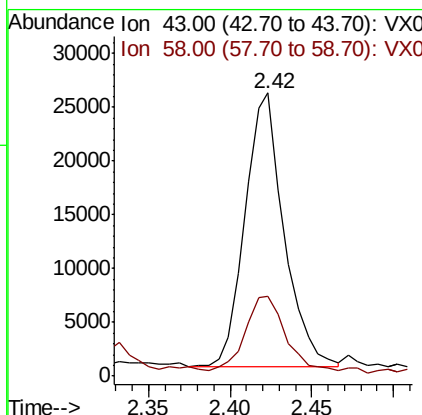
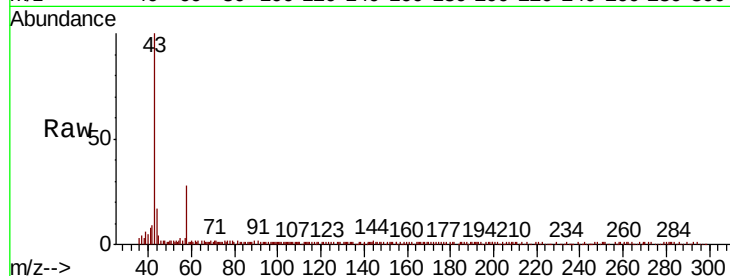




#16
Acetone
Concen: 6.527 ug/l
RT: 2.42 min Scan# 252
Delta R.T. 0.01 min
Lab File: VX015491.D
Acq: 02 Apr 2020 18:45

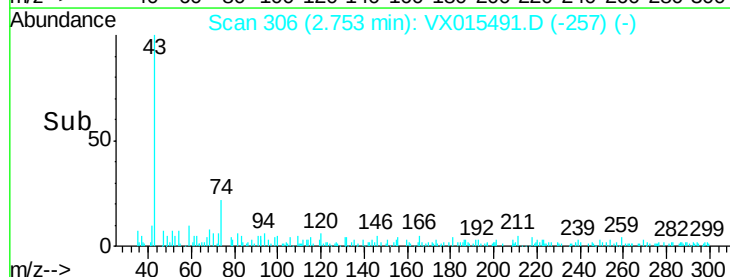
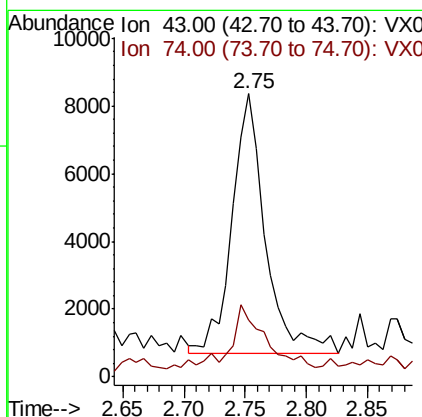
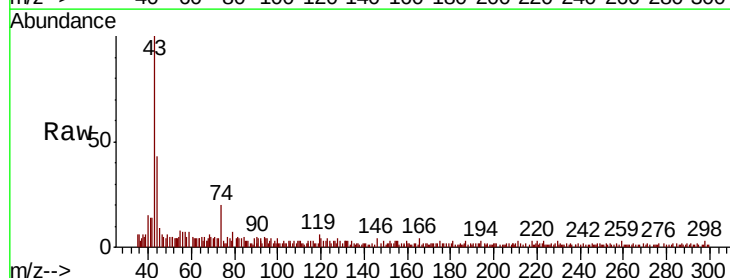
Instrument :
MSVOA_X
ClientSampleId :

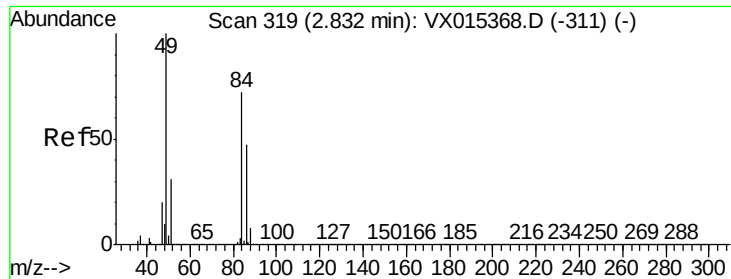
Tot Ion: 43 Resp: 42315
Ion Ratio Lower Upper
43 100
58 26.0 22.1 33.1



#18
Methyl Acetate
Concen: 0.868 ug/l
RT: 2.75 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX015491.D
Acq: 02 Apr 2020 18:45

Tgt Ion: 43 Resp: 14364
Ion Ratio Lower Upper
43 100
74 29.2 16.5 24.7#

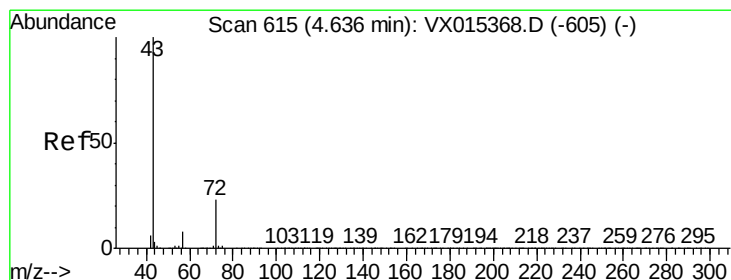
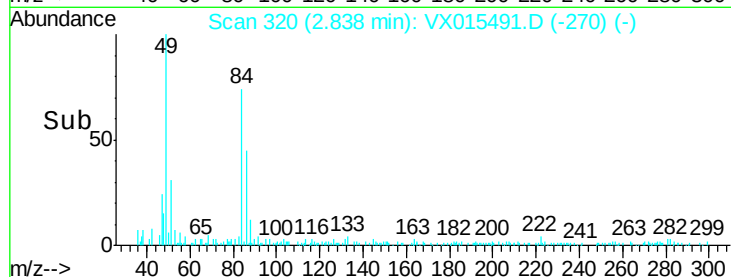
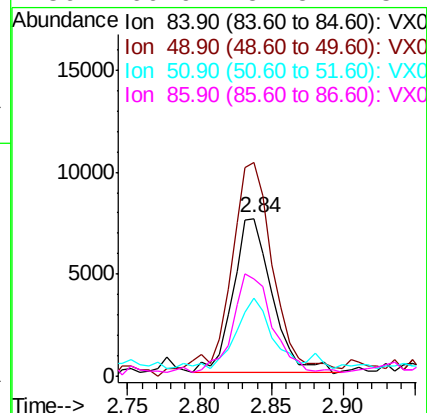
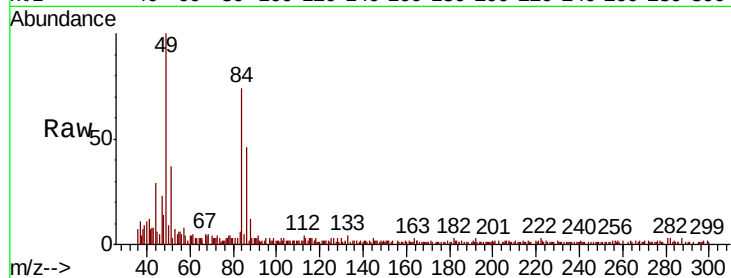




#20
Methylene Chloride
Concen: 1.186 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015491.D
Acq: 02 Apr 2020 18:45

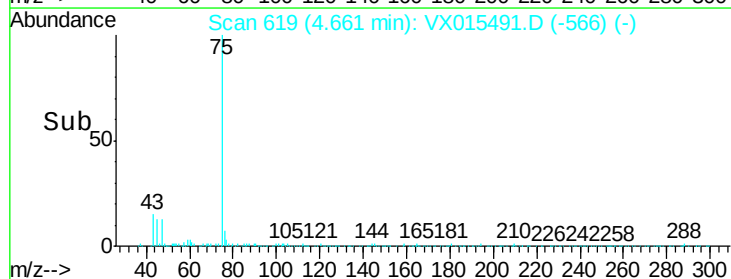
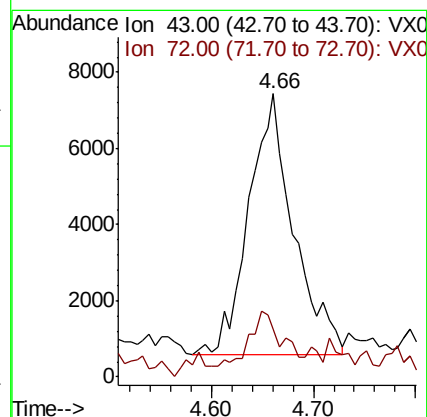
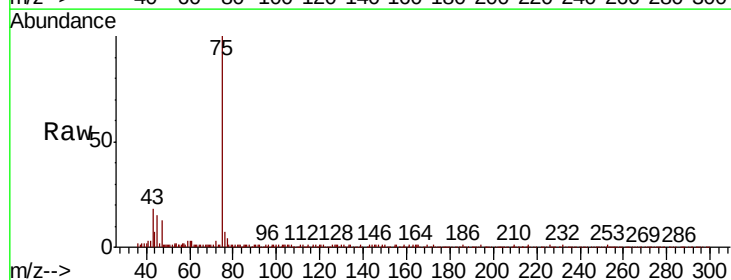
Instrument :
MSVOA_X
ClientSampleId :

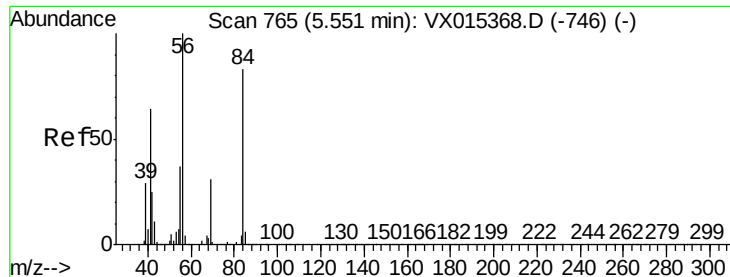
Tot Ion:	84	Resp:	14362
Ion	Ratio	Lower	Upper
84	100		
49	133.5	111.3	166.9
51	44.0	34.0	51.0
86	60.9	52.5	78.7



#25
2-Butanone
Concen: 2.019 ug/l
RT: 4.66 min Scan# 619
Delta R.T. 0.02 min
Lab File: VX015491.D
Acq: 02 Apr 2020 18:45

Tgt Ion:	43	Resp:	21051
Ion	Ratio	Lower	Upper
43	100		
72	14.0	19.0	28.4#

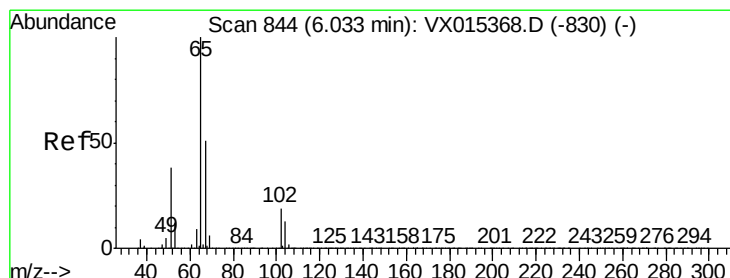
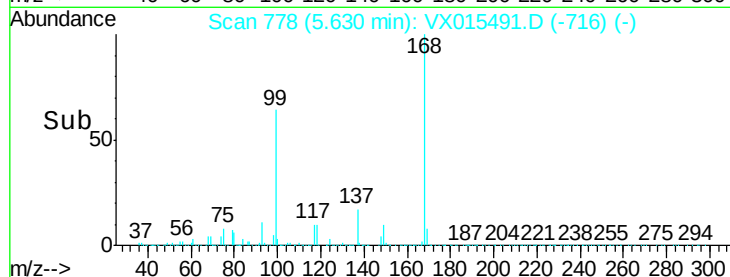
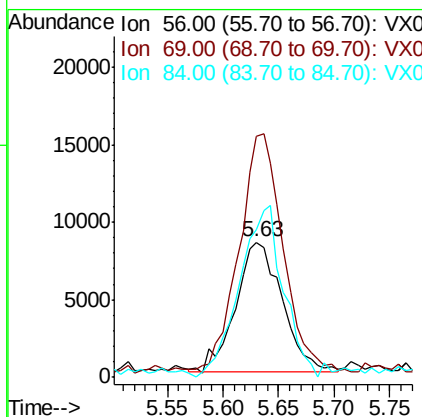
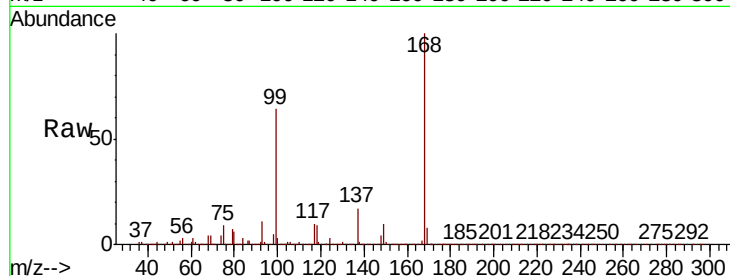




#31
Cyclohexane
Concen: 1.271 ug/l
RT: 5.63 min Scan# 778
Delta R.T. 0.08 min
Lab File: VX015491.D
Acq: 02 Apr 2020 18:45

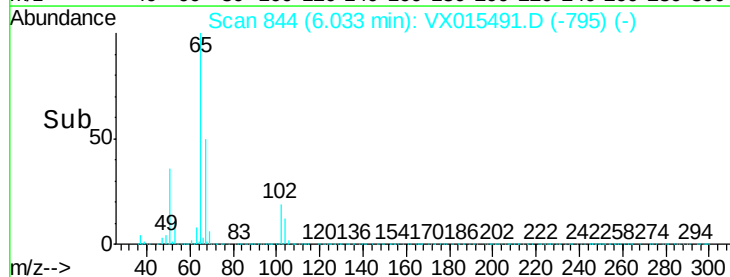
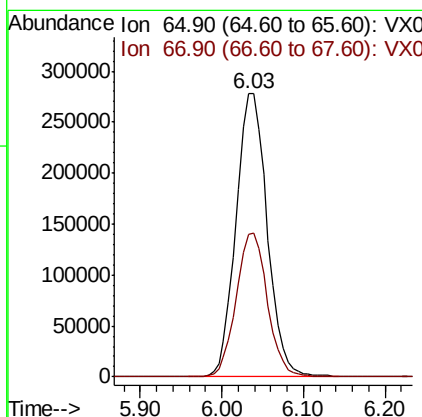
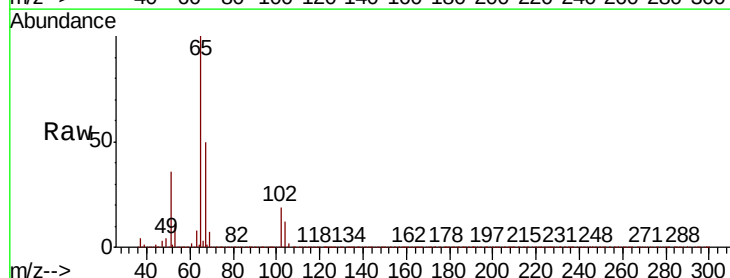
Instrument :
MSVOA_X
ClientSampled :

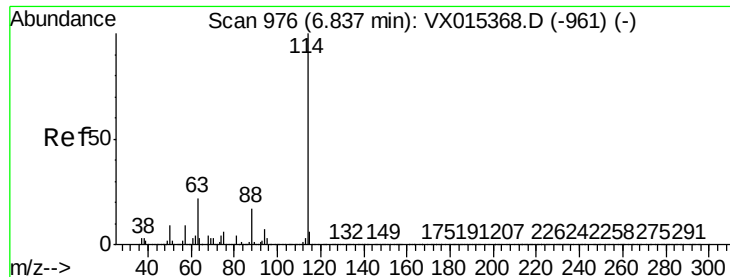
Tot Ion: 56 Resp: 24282
Ion Ratio Lower Upper
56 100
69 185.6 24.6 36.8#
84 113.4 66.1 99.1#



#33
1,2-Dichloroethane-d4
Concen: 48.748 ug/l
RT: 6.03 min Scan# 844
Delta R.T. -0.00 min
Lab File: VX015491.D
Acq: 02 Apr 2020 18:45

Tgt Ion: 65 Resp: 735660
Ion Ratio Lower Upper
65 100
67 50.5 0.0 102.6

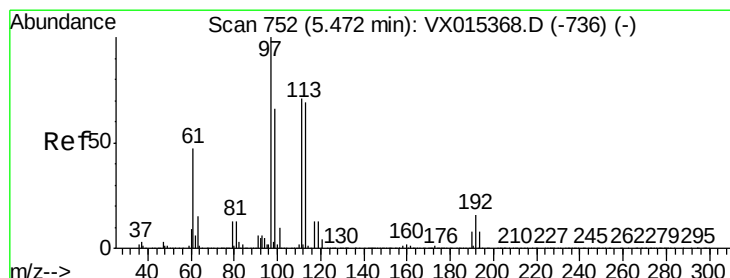
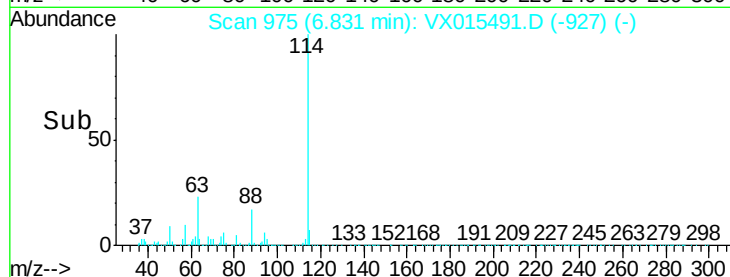
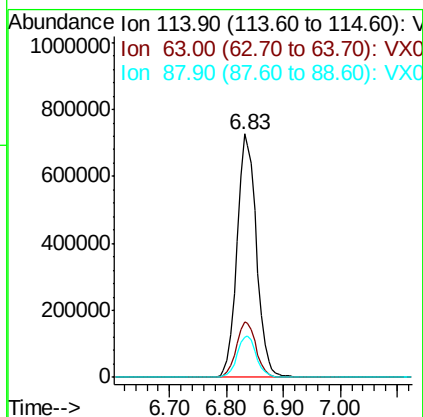
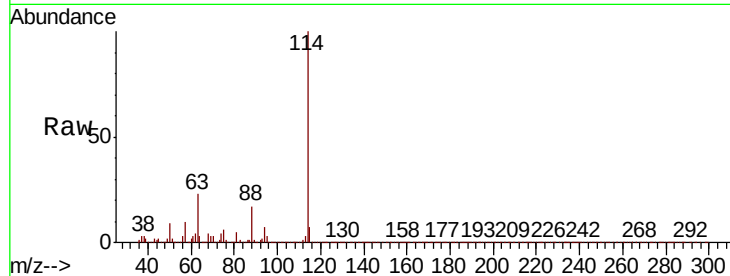




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: VX015491.D
 Acq: 02 Apr 2020 18:45

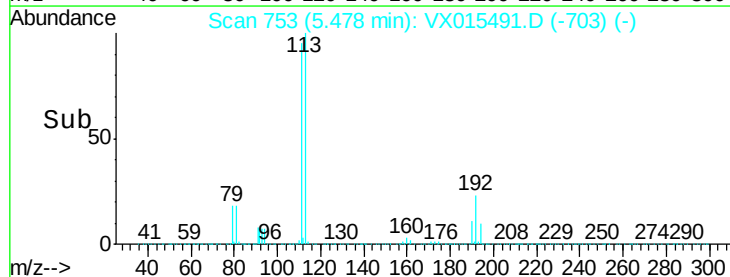
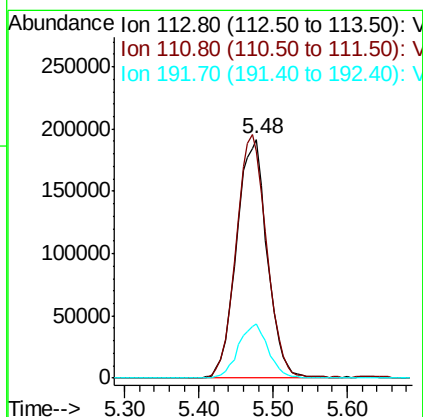
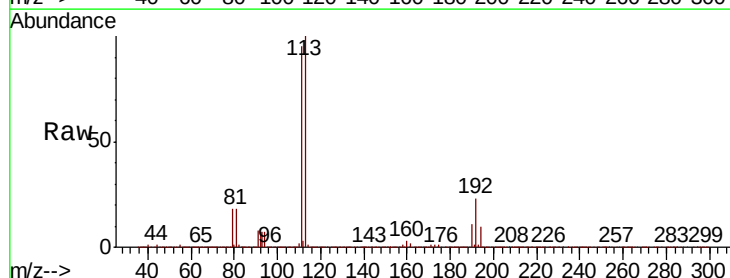
Instrument :
 MSVOA_X
 ClientSampleId :

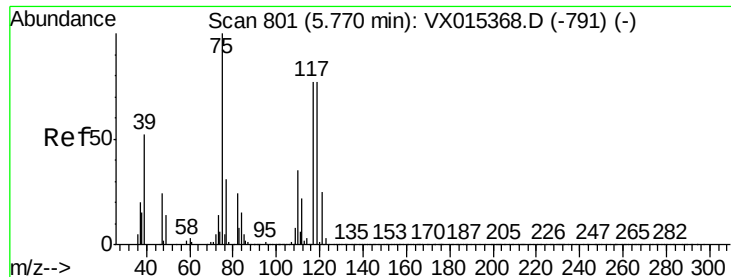
Tot Ion:114 Resp: 1735020
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 44.2
 88 16.7 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 49.703 ug/l
 RT: 5.48 min Scan# 753
 Delta R.T. 0.01 min
 Lab File: VX015491.D
 Acq: 02 Apr 2020 18:45

Tgt Ion:113 Resp: 551241
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.5 122.3
 192 22.1 17.8 26.6





#36

1,1-Dichloropropene

Concen: 5.163 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.14 min

Lab File: VX015491.D

Acq: 02 Apr 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

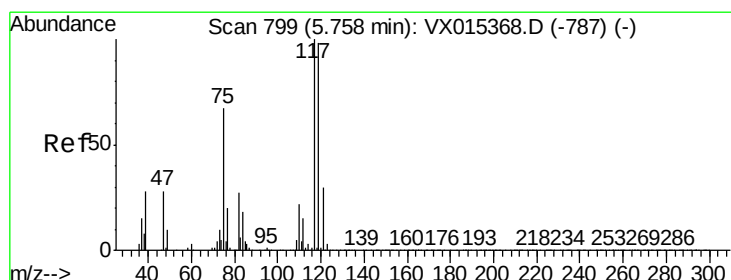
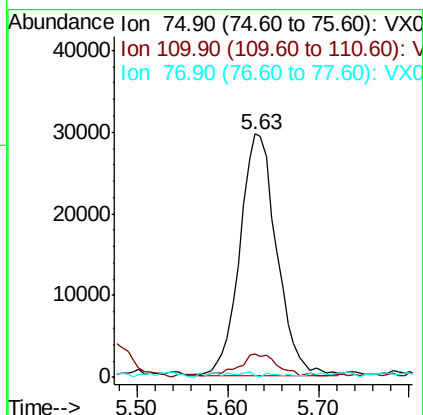
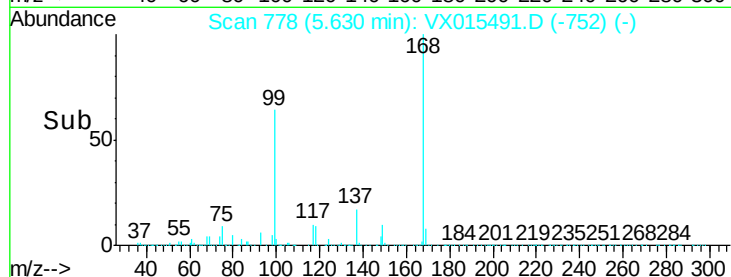
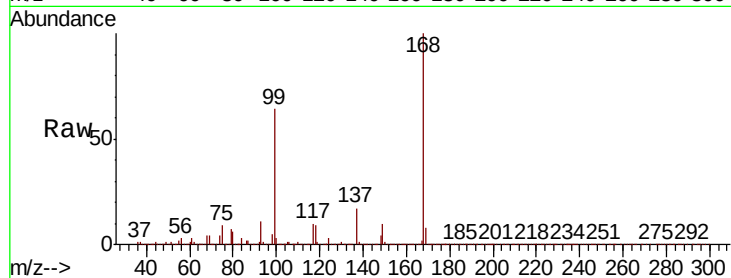
Tot Ion: 75 Resp: 82543

Ion Ratio Lower Upper

75 100

110 10.1 17.1 51.3#

77 0.6 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.974 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015491.D

Acq: 02 Apr 2020 18:45

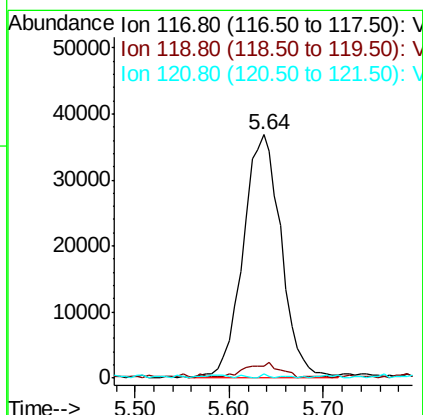
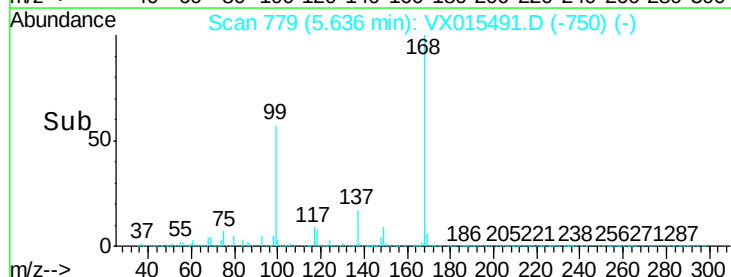
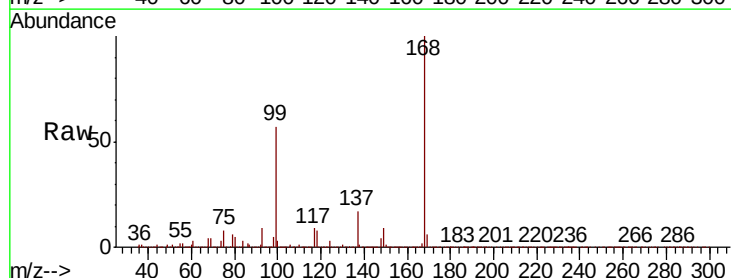
Tgt Ion: 117 Resp: 103432

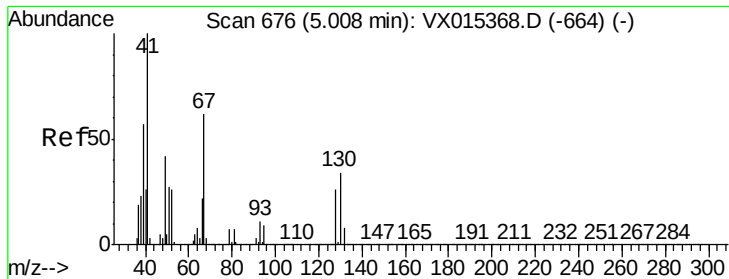
Ion Ratio Lower Upper

117 100

119 3.9 78.0 117.0#

121 1.4 23.8 35.8#

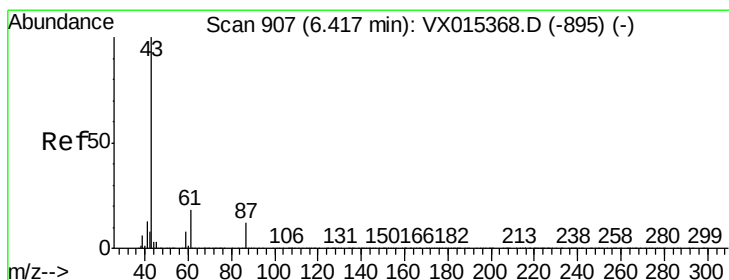
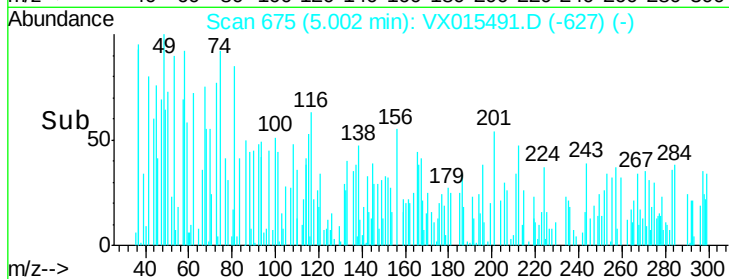
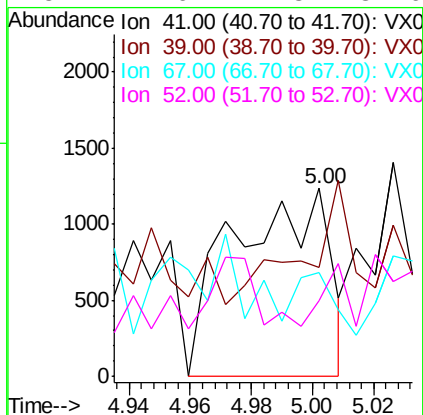
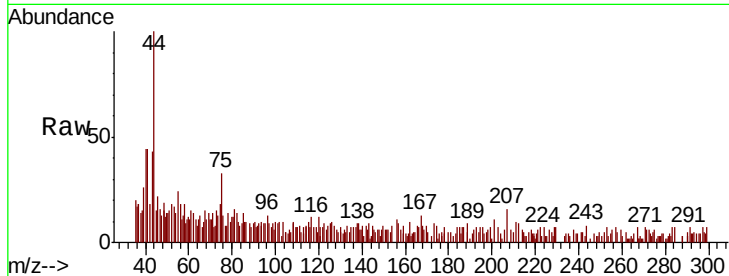




#41
Methacrylonitrile
Concen: 0.232 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX015491.D
Acq: 02 Apr 2020 18:45

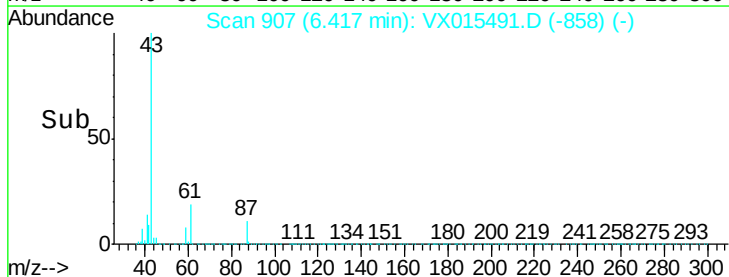
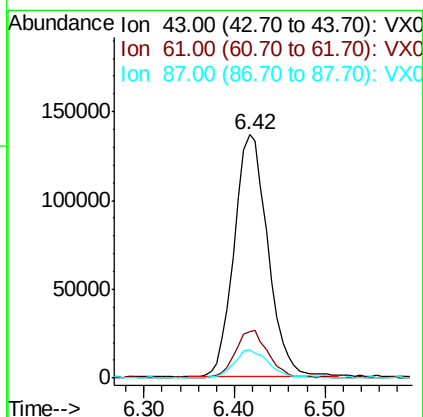
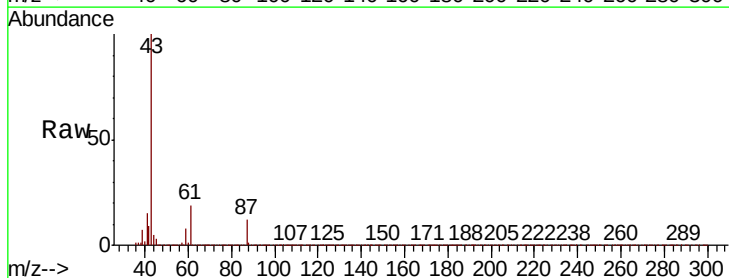
Instrument :
MSVOA_X
ClientSampled :

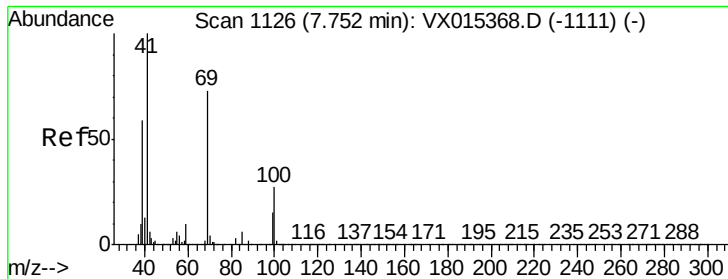
Tot Ion:	41	Resp:	2677
Ion	Ratio	Lower	Upper
41	100		
39	32.5	44.5	66.7#
67	13.2	48.9	73.3#
52	17.6	21.8	32.6#



#43
Isopropyl Acetate
Concen: 10.049 ug/l
RT: 6.42 min Scan# 907
Delta R.T. -0.00 min
Lab File: VX015491.D
Acq: 02 Apr 2020 18:45

Tgt Ion:	43	Resp:	353116
Ion	Ratio	Lower	Upper
43	100		
61	19.3	14.8	22.2
87	11.6	9.4	14.0

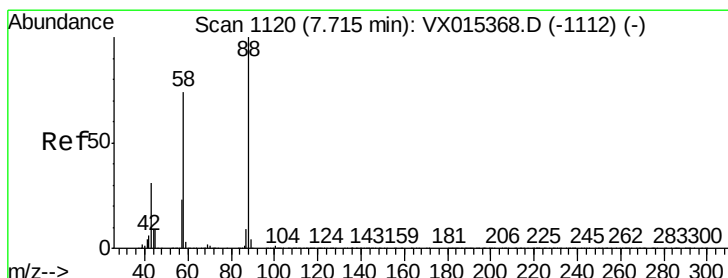
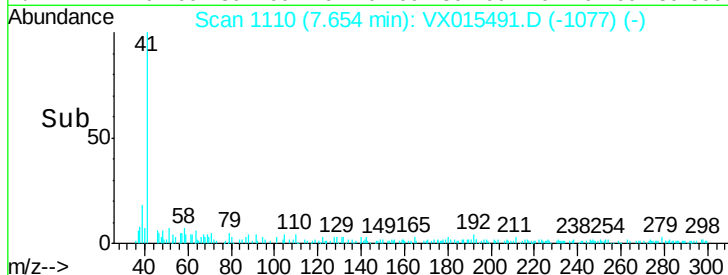
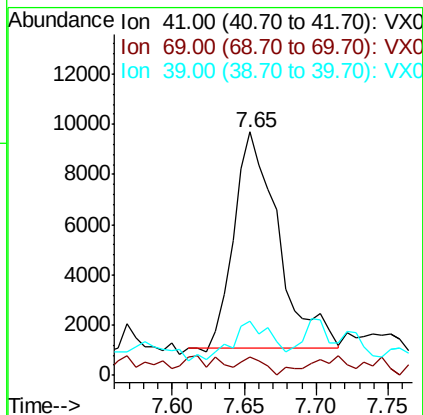
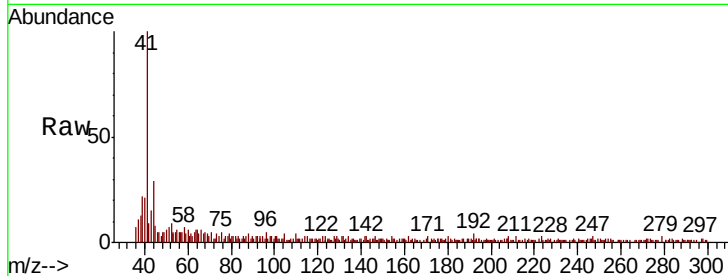




#48
Methvl methacrylate
Concen: 1.053 ug/l
RT: 7.65 min Scan# 1110
Delta R.T. -0.10 min
Lab File: VX015491.D
Acq: 02 Apr 2020 18:45

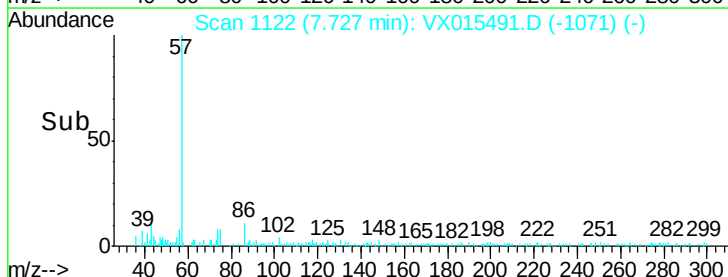
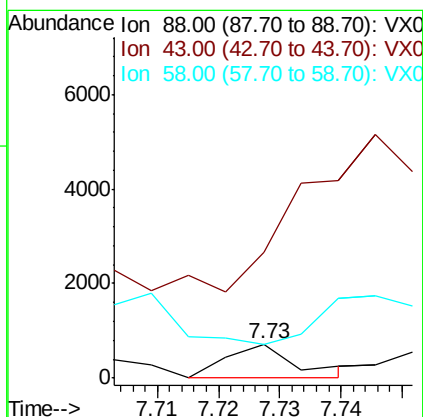
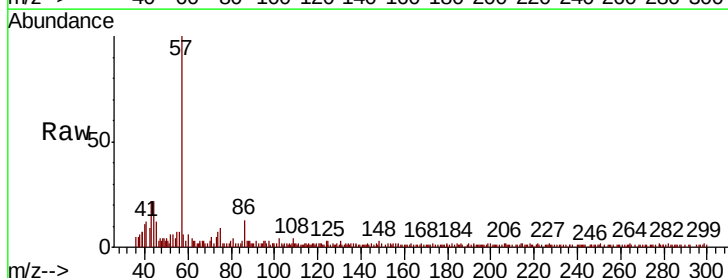
Instrument :
MSVOA_X
ClientSampleId :

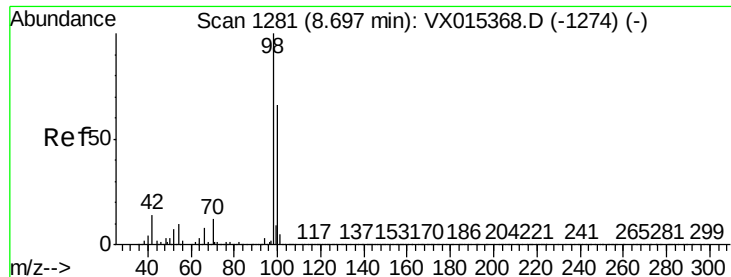
Tot Ion: 41 Resp: 18482
Ion Ratio Lower Upper
41 100
69 4.3 56.7 85.1#
39 0.0 46.5 69.7#



#49
1,4-Dioxane
Concen: 1.774 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. 0.01 min
Lab File: VX015491.D
Acq: 02 Apr 2020 18:45

Tgt Ion: 88 Resp: 581
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 553.2 60.6 90.8#

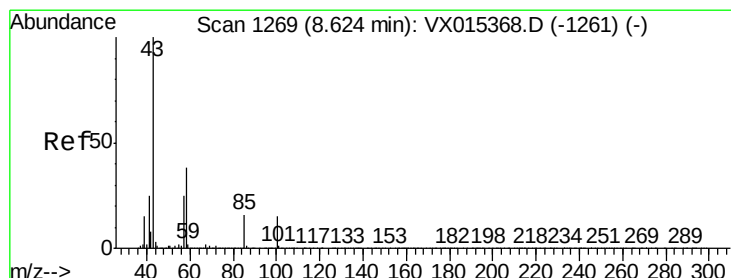
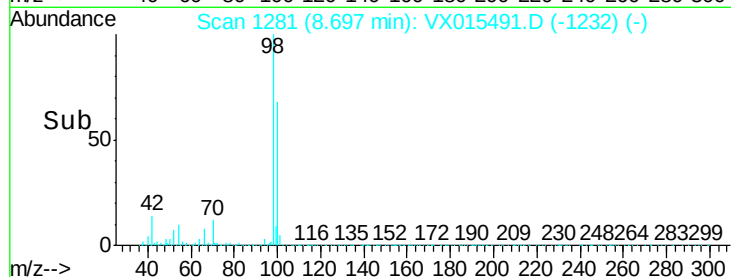
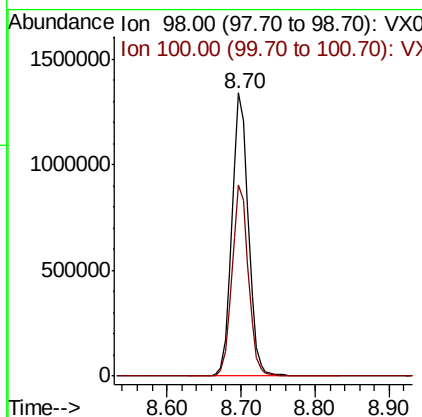
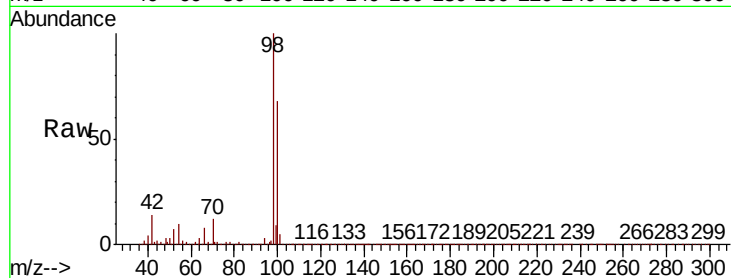




#50
Toluene-d8
Concen: 51.119 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015491.D
Acq: 02 Apr 2020 18:45

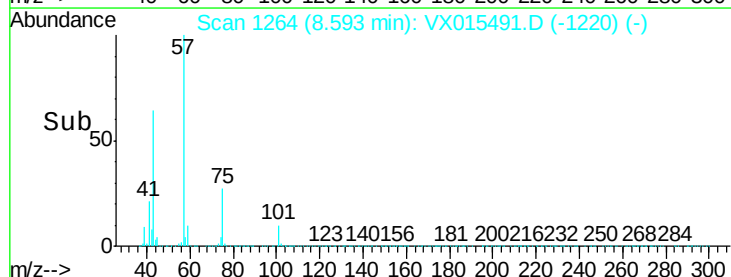
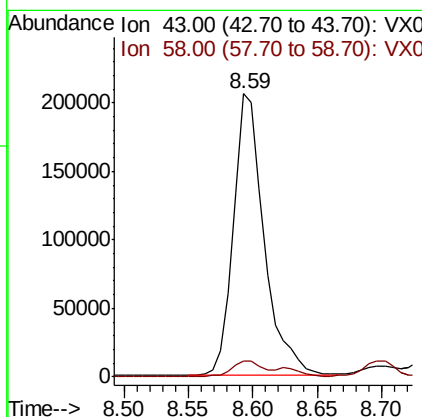
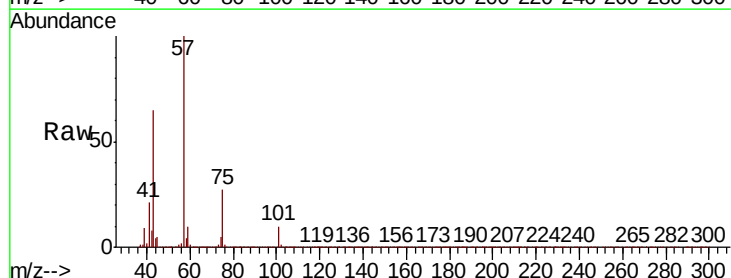
Instrument :
MSVOA_X
ClientSampleId :

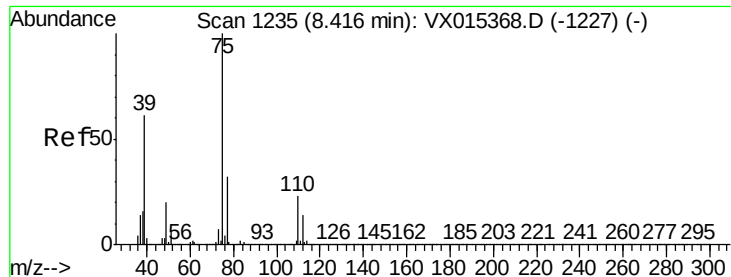
Tot Ion: 98 Resp: 2087364
Ion Ratio Lower Upper
98 100
100 67.0 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 17.140 ug/l
RT: 8.59 min Scan# 1264
Delta R.T. -0.03 min
Lab File: VX015491.D
Acq: 02 Apr 2020 18:45

Tgt Ion: 43 Resp: 341317
Ion Ratio Lower Upper
43 100
58 5.8 29.7 44.5#





#54

cis-1,3-Dichloropropene

Concen: 6.476 ug/l

RT: 8.60 min Scan# 1265

Delta R.T. 0.18 min

Lab File: VX015491.D

Acq: 02 Apr 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

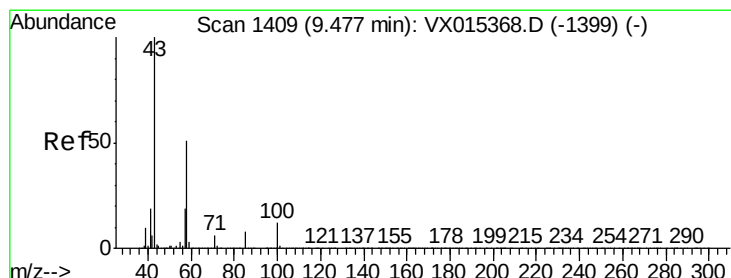
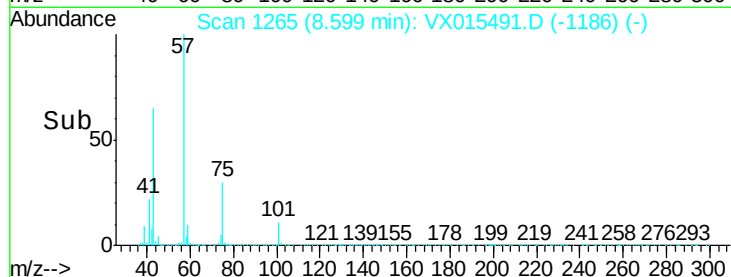
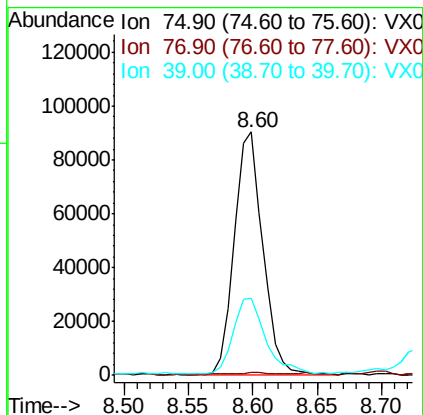
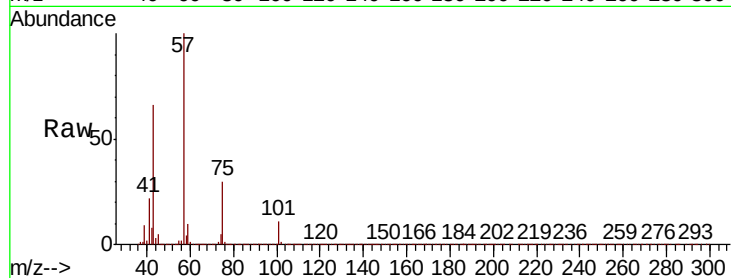
Tot Ion: 75 Resp: 138528

Ion Ratio Lower Upper

75 100

77 0.8 25.8 38.6#

39 31.2 49.0 73.4#



#59

2-Hexanone

Concen: 21.535 ug/l

RT: 9.42 min Scan# 1400

Delta R.T. -0.05 min

Lab File: VX015491.D

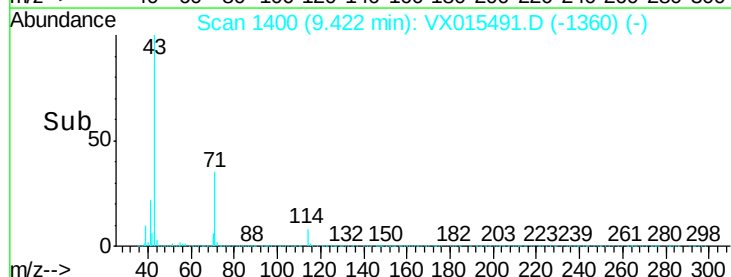
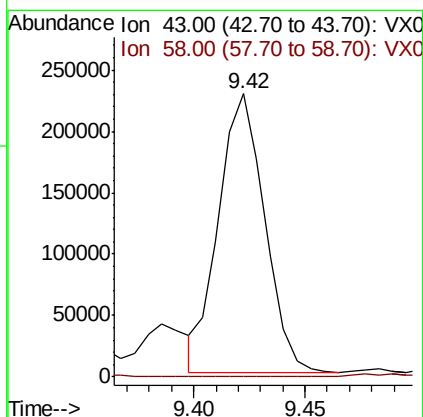
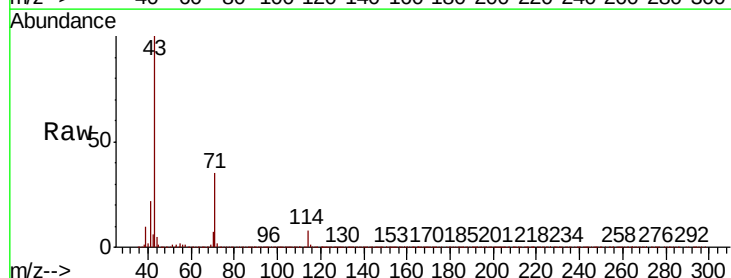
Acq: 02 Apr 2020 18:45

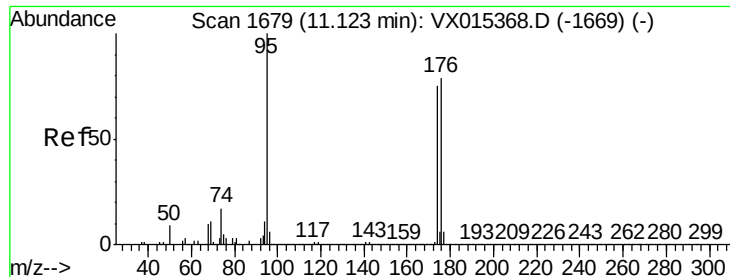
Tgt Ion: 43 Resp: 323771

Ion Ratio Lower Upper

43 100

58 0.0 25.6 76.6#





#62

4-Bromofluorobenzene

Concen: 55.038 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015491.D

Acq: 02 Apr 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

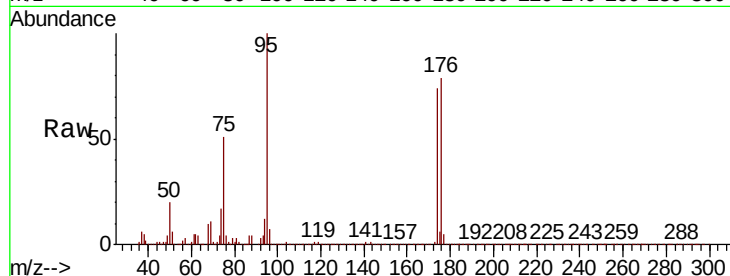
Tot Ion: 95 Resp: 913339

Ion Ratio Lower Upper

95 100

174 77.3 0.0 158.6

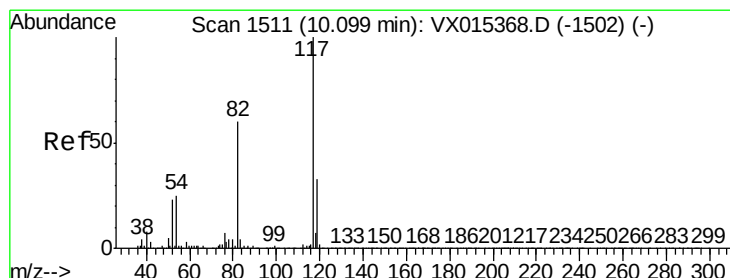
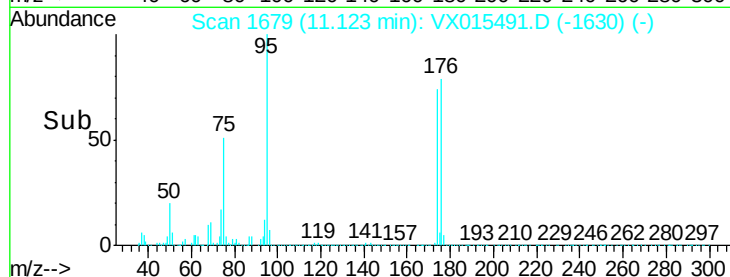
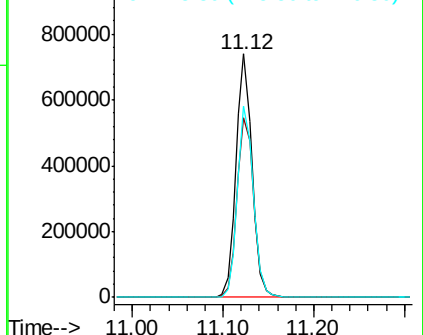
176 78.3 0.0 159.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VX015491.D

Acq: 02 Apr 2020 18:45

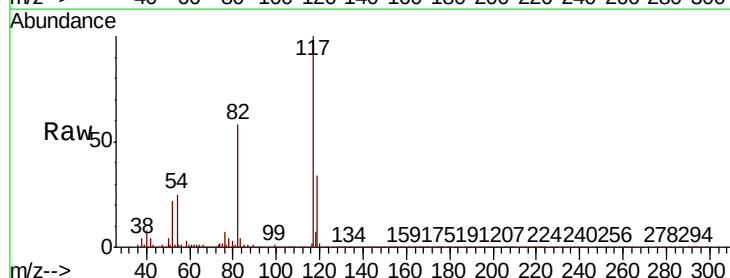
Tgt Ion: 117 Resp: 1655799

Ion Ratio Lower Upper

117 100

82 57.6 47.8 71.8

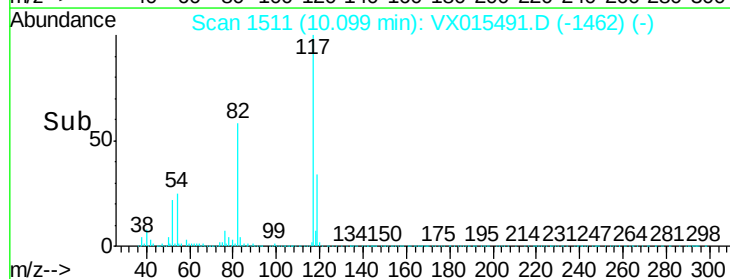
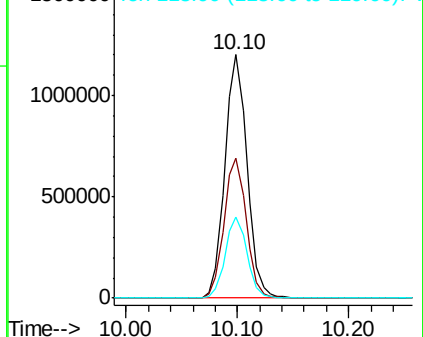
119 33.5 26.8 40.2

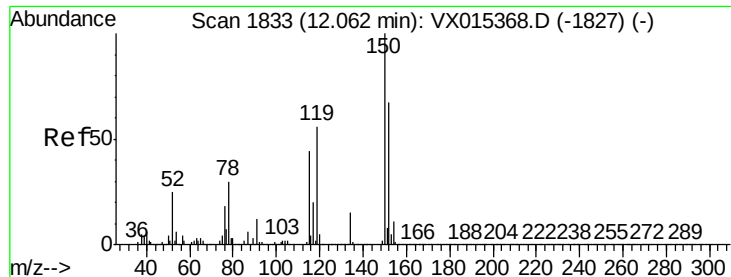


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

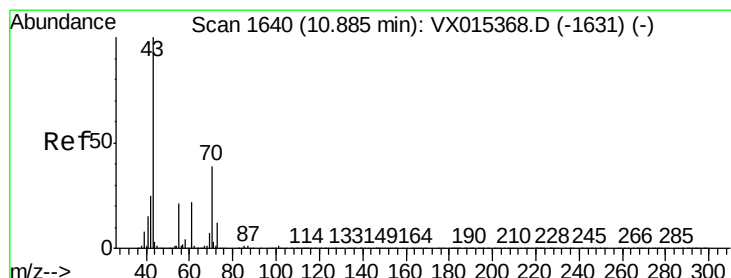
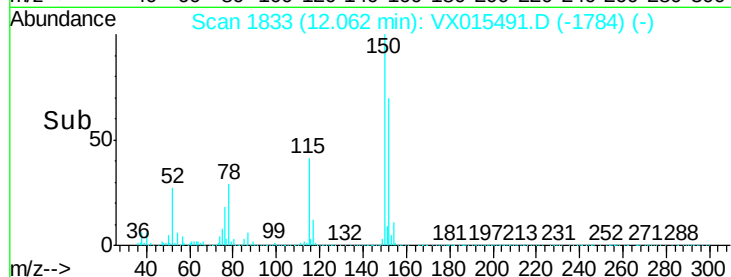
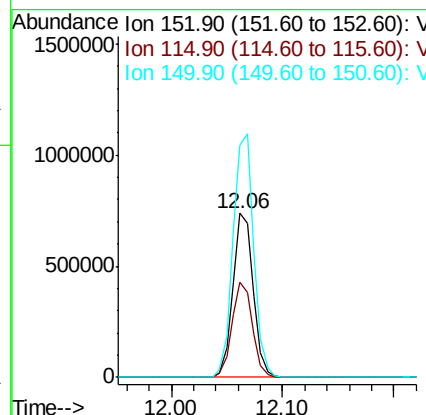
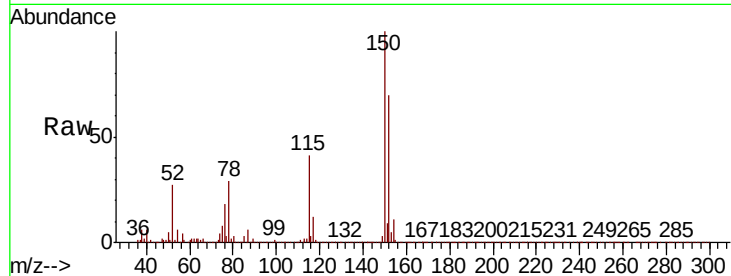




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX015491.D
 Acq: 02 Apr 2020 18:45

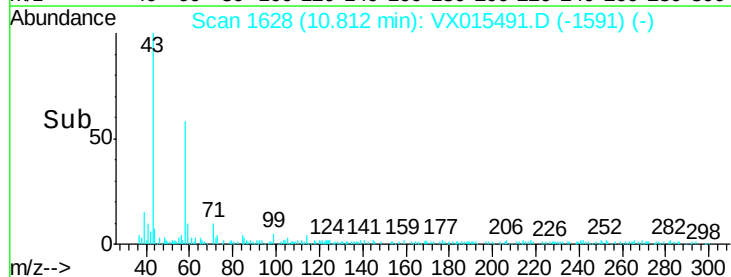
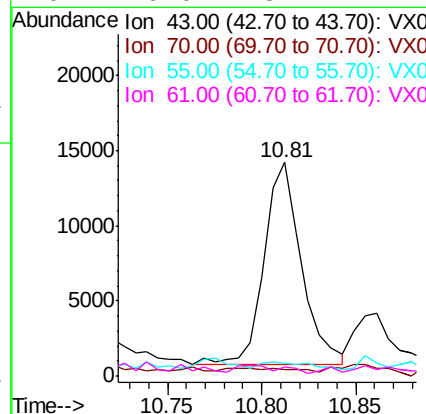
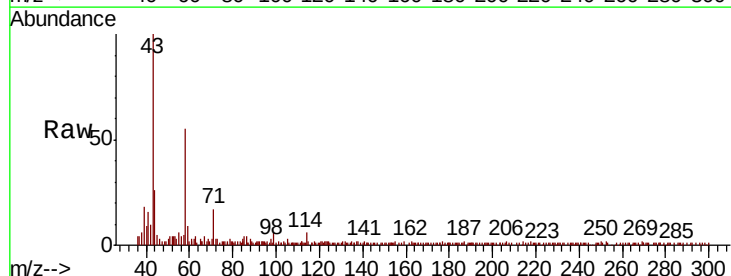
Instrument :
 MSVOA_X
 ClientSampled :

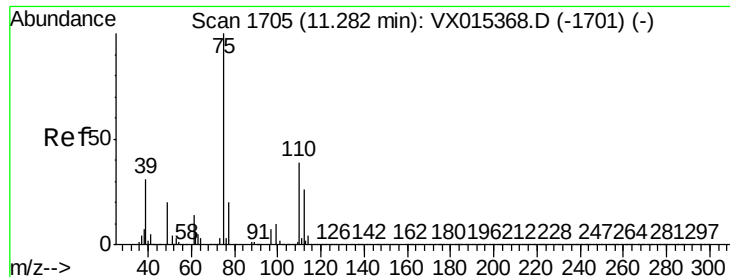
Tot Ion	Ratio	Lower	Upper
152	100		
115	58.1	39.0	116.9
150	151.5	0.0	340.8



#74
 N-ethyl acetate
 Concen: 0.546 ug/l
 RT: 10.81 min Scan# 1628
 Delta R.T. -0.07 min
 Lab File: VX015491.D
 Acq: 02 Apr 2020 18:45

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	30.2	45.4#
55	5.4	16.8	25.2#
61	0.0	18.2	27.2#





#76

1,2,3-Trichloropropane

Concen: 24.969 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015491.D

Acq: 02 Apr 2020 18:45

Instrument :

MSVOA_X

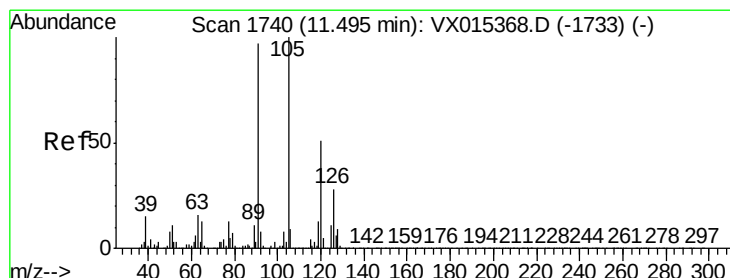
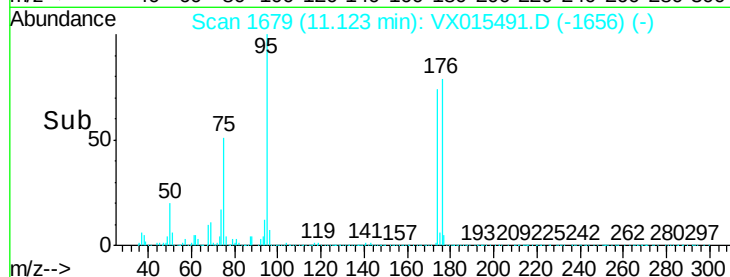
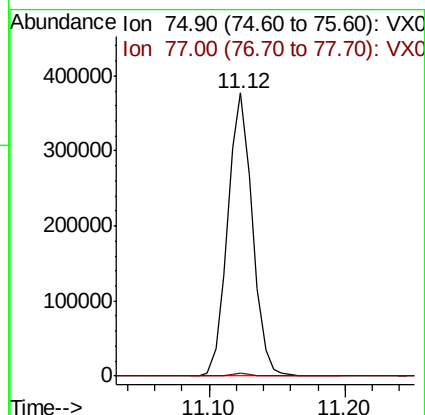
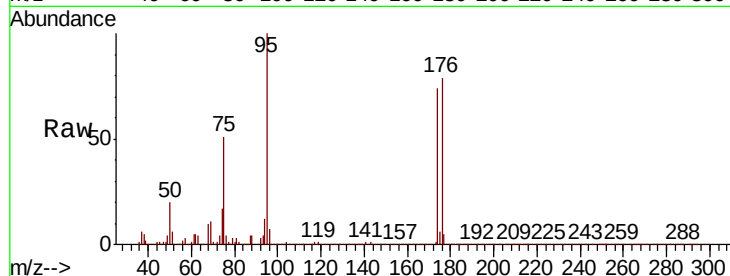
ClientSampleId :

Tot Ion: 75 Resp: 473533

Ion Ratio Lower Upper

75 100

77 1.2 21.2 63.6#



#80

1,3,5-Trimethylbenzene

Concen: 0.326 ug/l

RT: 11.49 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VX015491.D

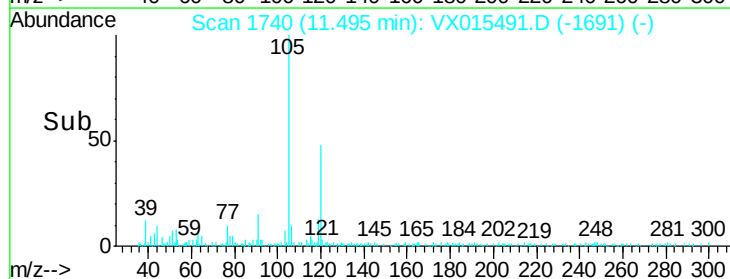
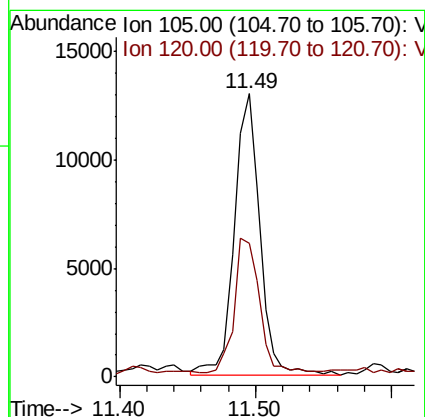
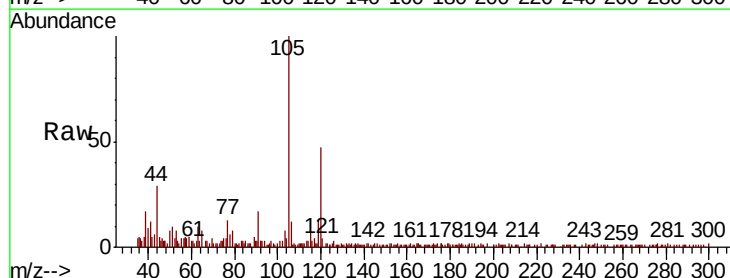
Acq: 02 Apr 2020 18:45

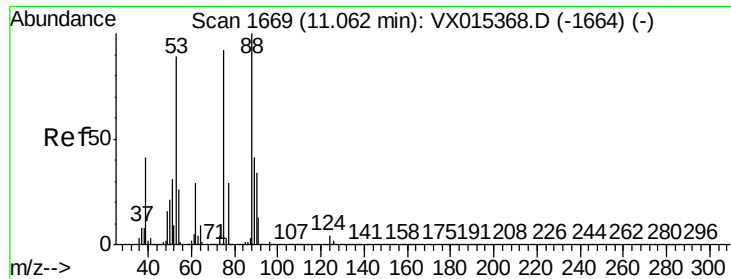
Tgt Ion: 105 Resp: 16827

Ion Ratio Lower Upper

105 100

120 50.2 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 59.913 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

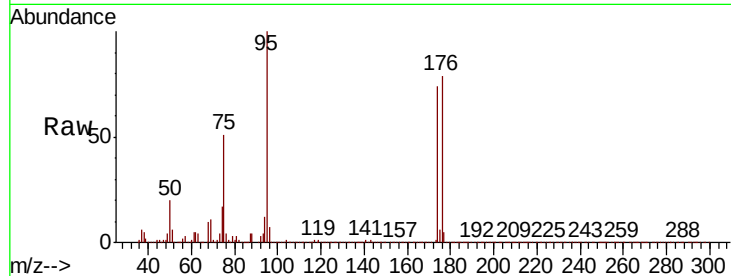
Lab File: VX015491.D

Acq: 02 Apr 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :



Tot Ion: 75 Resp: 473533

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.0 36.1 54.1#

