

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040220\
 Data File : VX015483.D
 Acq On : 02 Apr 2020 15:44
 Operator : JC/SP
 Sample : PB127948ZHE#05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 03 08:02:16 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	1087395	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1763405	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1671903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	895593	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	736694	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	
35) Dibromofluoromethane	5.47	113	563557	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
50) Toluene-d8	8.70	98	2141208	51.59	ug/l	0.00
Spiked Amount			Recovery	=	103.18%	
62) 4-Bromofluorobenzene	11.12	95	926204	54.91	ug/l	0.00
Spiked Amount			Recovery	=	109.82%	

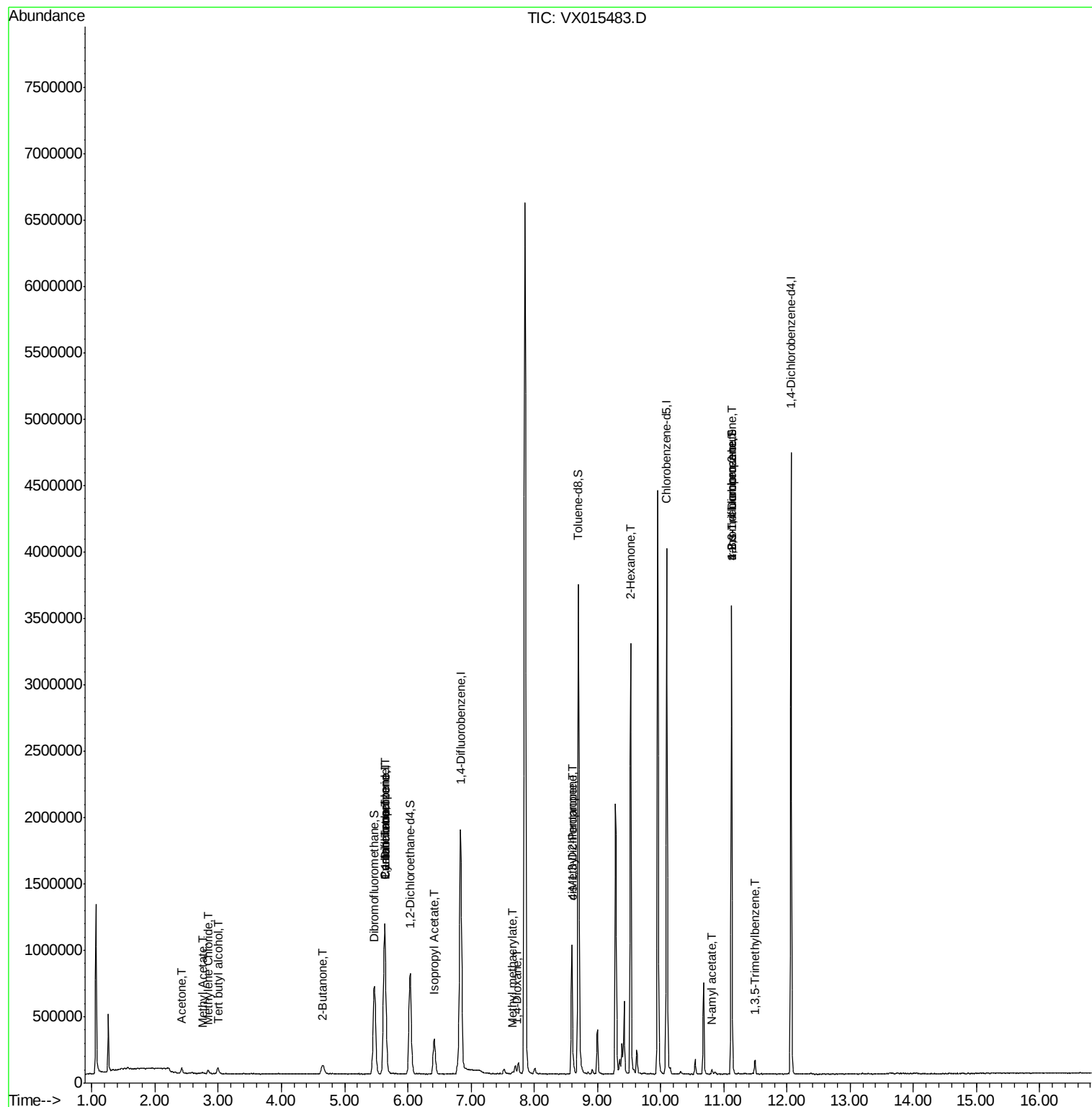
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	492	Below Cal	#	3
11) Tert butyl alcohol	2.99	59	32165	8.762	ug/l #	73
16) Acetone	2.42	43	45905	6.967	ug/l	99
18) Methyl Acetate	2.75	43	14191	0.844	ug/l #	91
20) Methylene Chloride	2.83	84	12933	1.051	ug/l	94
25) 2-Butanone	4.65	43	6502	0.614	ug/l #	86
31) Cyclohexane	5.64	56	27277	1.405	ug/l #	6
36) 1,1-Dichloropropene	5.64	75	79478	4.892	ug/l #	53
38) Carbon Tetrachloride	5.64	117	107200	6.092	ug/l #	14
43) Isopropyl Acetate	6.42	43	388382	10.875	ug/l	100
48) Methyl methacrylate	7.65	41	20721	1.162	ug/l #	18
49) 1,4-Dioxane	7.73	88	537	1.614	ug/l #	20
51) 4-Methyl-2-Pentanone	8.60	43	379219	18.737	ug/l #	51
54) cis-1,3-Dichloropropene	8.60	75	155011	7.130	ug/l #	54
59) 2-Hexanone	9.53	43	404880	26.497	ug/l #	51
74) N-amyl acetate	10.81	43	17626	0.540	ug/l #	51
76) 1,2,3-Trichloropropane	11.12	75	478091	25.959	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.49	105	48191	0.962	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.12	75	478091	62.287	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: VX015483.D

Acq: 02 Apr 2020 15:44

Instrument :

MSVOA_X

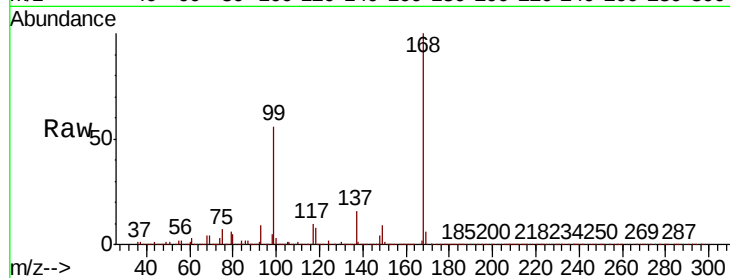
ClientSampled :

Tot Ion:168 Resp: 1087395

Ion Ratio Lower Upper

168 100

99 56.2 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

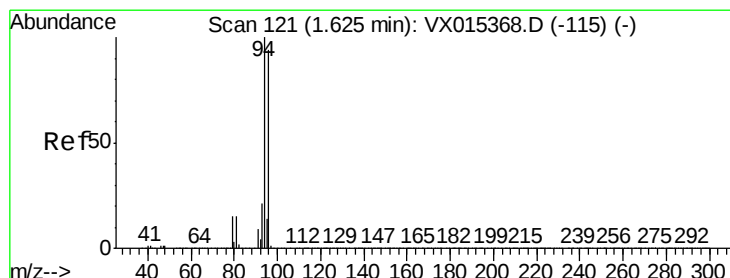
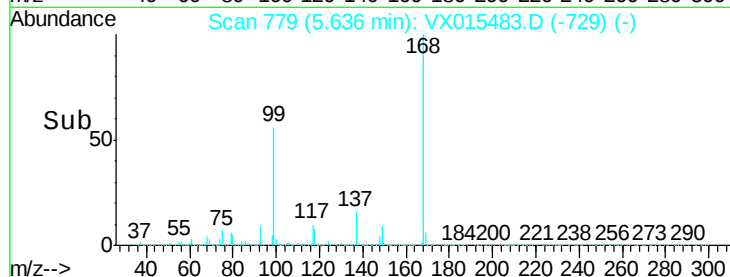
200000

100000

0

Time-->

5.50 5.60 5.70



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX015483.D

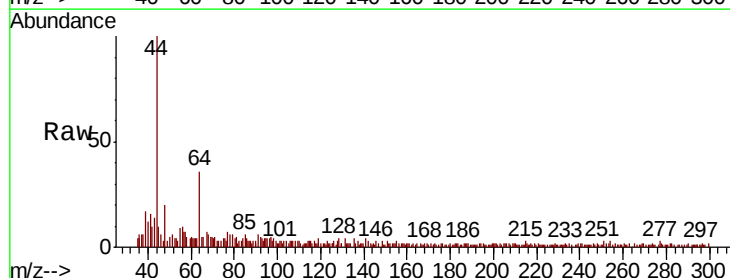
Acq: 02 Apr 2020 15:44

Tgt Ion: 94 Resp: 492

Ion Ratio Lower Upper

94 100

96 0.0 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

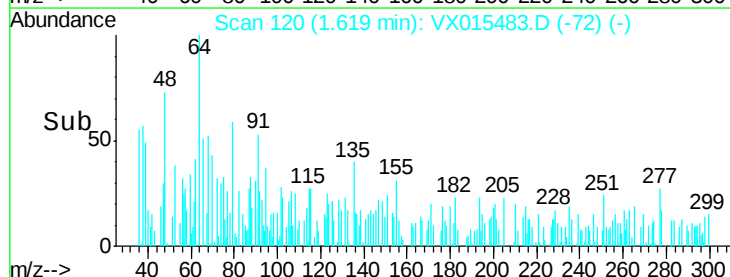
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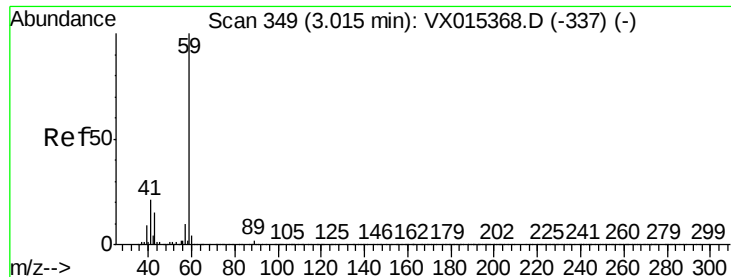
200

0

Time-->

1.59 1.60 1.61 1.62 1.63



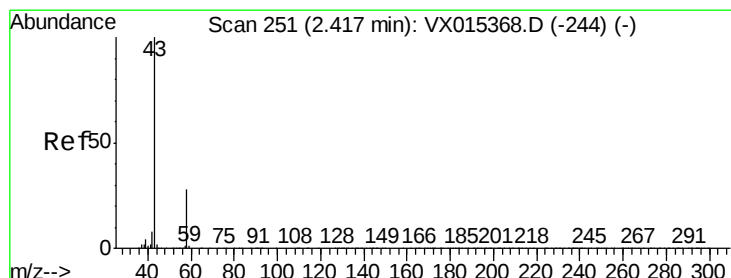
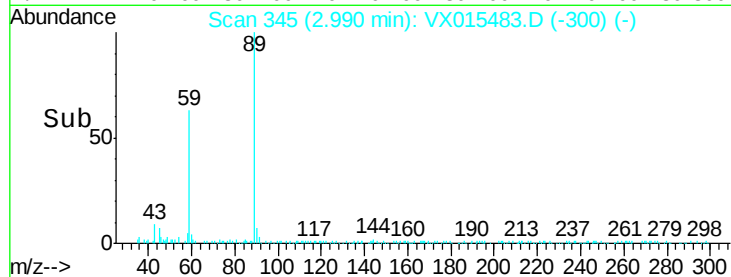
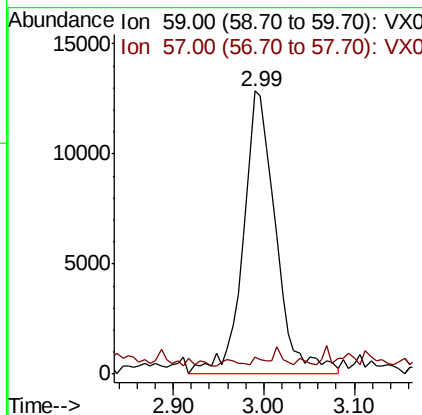
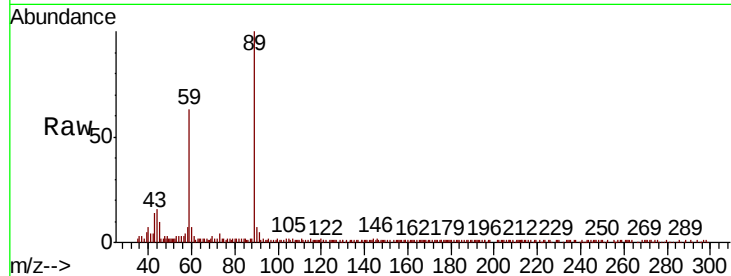


#11

Tert butyl alcohol
Concen: 8.762 ug/l
RT: 2.99 min Scan# 345
Delta R.T. -0.02 min
Lab File: VX015483.D
Acq: 02 Apr 2020 15:44

Instrument :
MSVOA_X
ClientSampled :

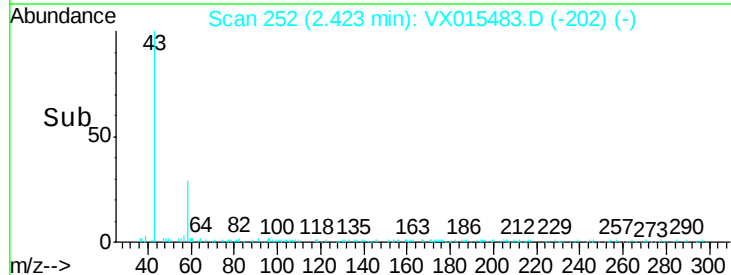
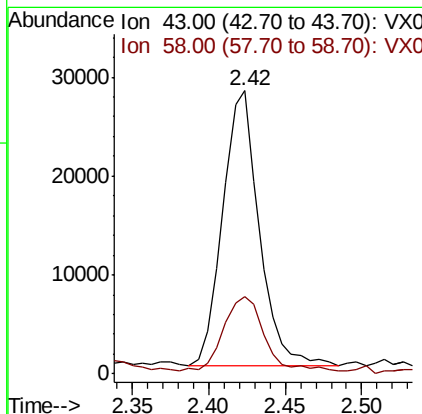
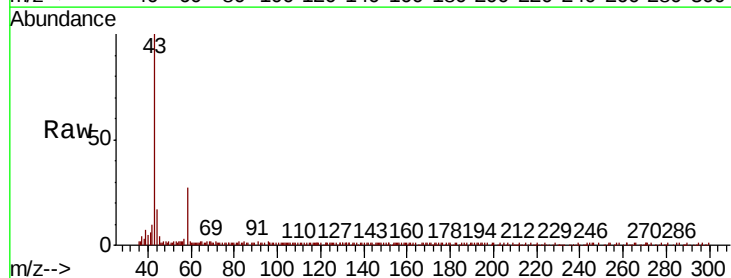
Tot Ion: 59 Resp: 32165
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

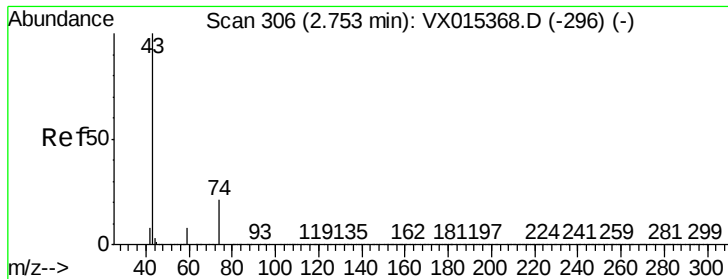


#16

Acetone
Concen: 6.967 ug/l
RT: 2.42 min Scan# 252
Delta R.T. 0.01 min
Lab File: VX015483.D
Acq: 02 Apr 2020 15:44

Tgt Ion: 43 Resp: 45905
Ion Ratio Lower Upper
43 100
58 27.3 22.1 33.1

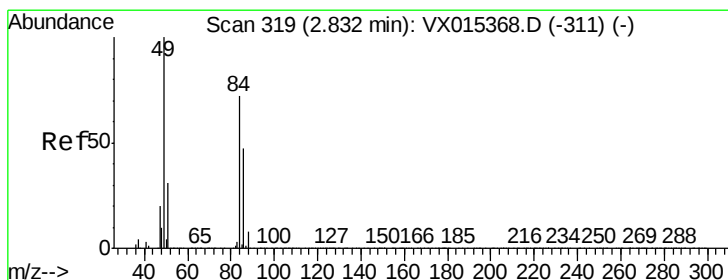
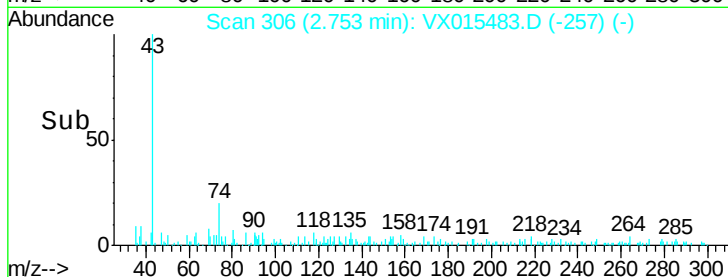
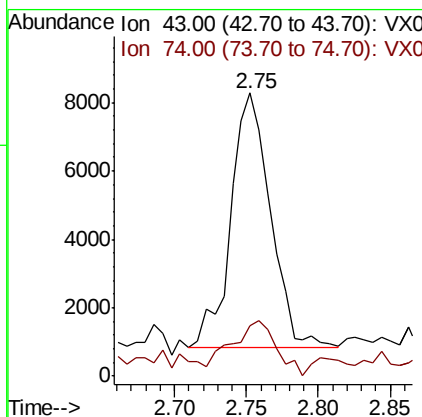
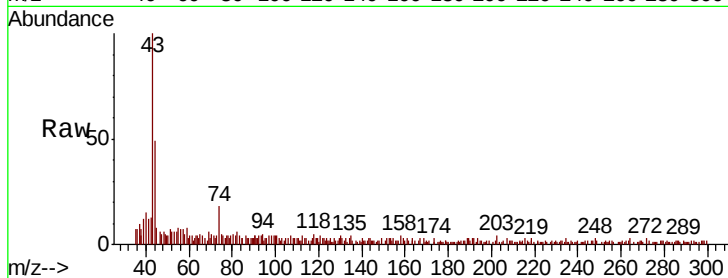




#18
Methyl Acetate
Concen: 0.844 ug/l
RT: 2.75 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX015483.D
Acq: 02 Apr 2020 15:44

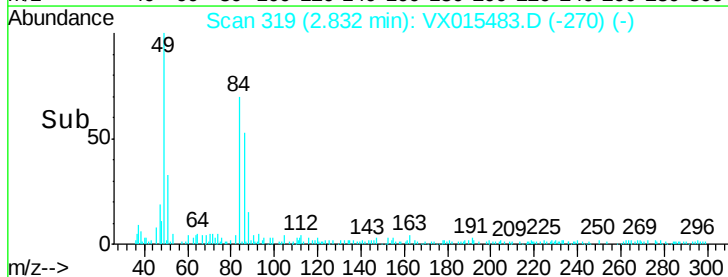
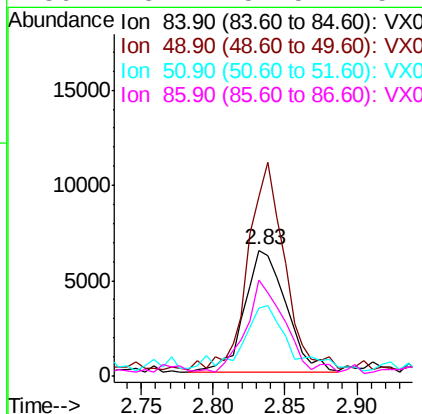
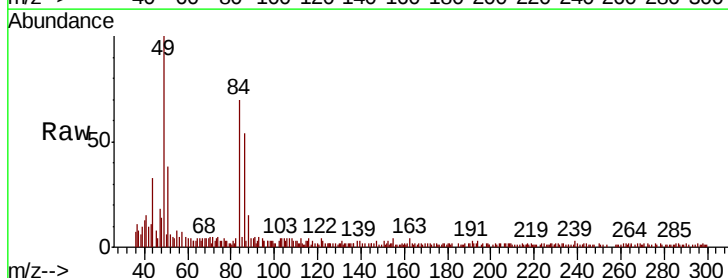
Instrument :
MSVOA_X
ClientSampleId :

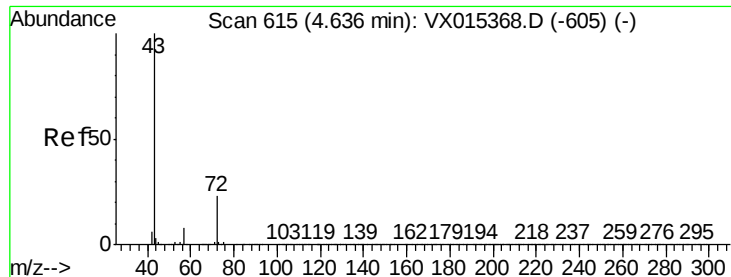
Tot Ion: 43 Resp: 14191
Ion Ratio Lower Upper
43 100
74 24.9 16.5 24.7#



#20
Methylene Chloride
Concen: 1.051 ug/l
RT: 2.83 min Scan# 319
Delta R.T. -0.00 min
Lab File: VX015483.D
Acq: 02 Apr 2020 15:44

Tgt Ion: 84 Resp: 12933
Ion Ratio Lower Upper
84 100
49 141.7 111.3 166.9
51 49.3 34.0 51.0
86 75.7 52.5 78.7





#25

2-Butanone

Concen: 0.614 ug/l

RT: 4.65 min Scan# 617

Delta R.T. 0.01 min

Lab File: VX015483.D

Acq: 02 Apr 2020 15:44

Instrument :

MSVOA_X

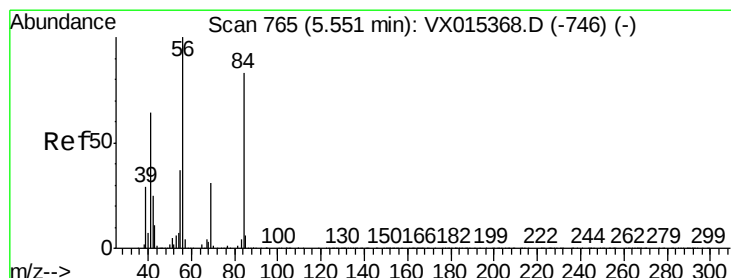
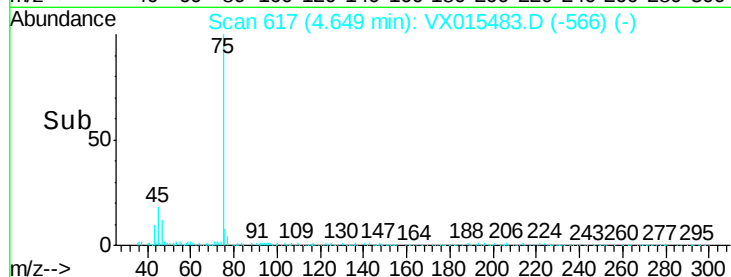
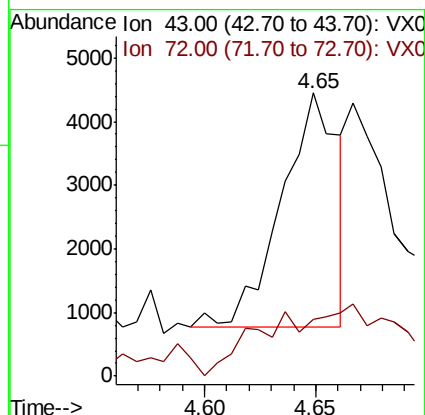
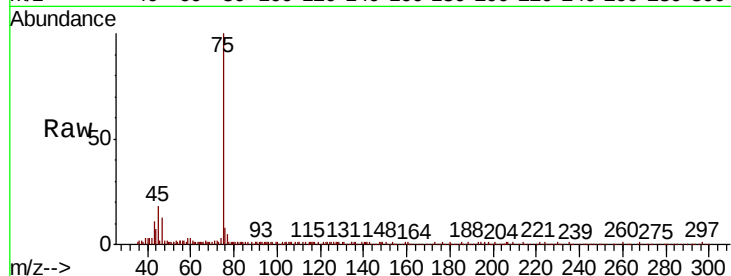
ClientSampleId :

Tot Ion: 43 Resp: 6502

Ion Ratio Lower Upper

43 100

72 16.7 19.0 28.4#



#31

Cyclohexane

Concen: 1.405 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.09 min

Lab File: VX015483.D

Acq: 02 Apr 2020 15:44

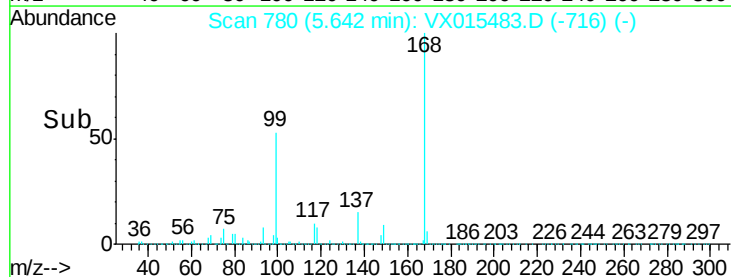
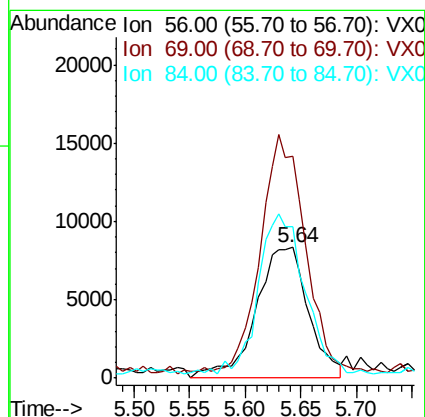
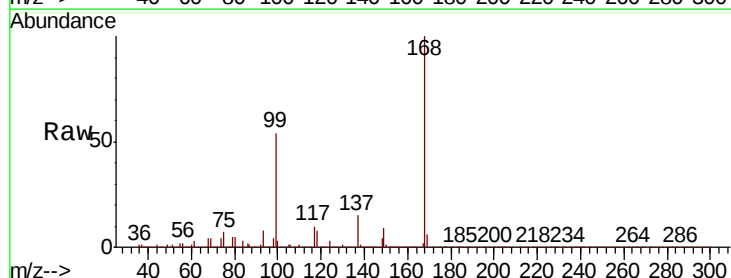
Tgt Ion: 56 Resp: 27277

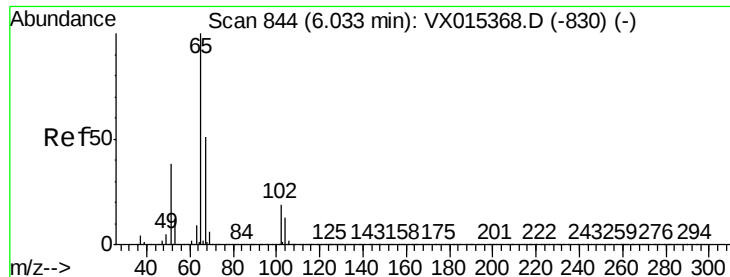
Ion Ratio Lower Upper

56 100

69 164.7 24.6 36.8#

84 117.2 66.1 99.1#

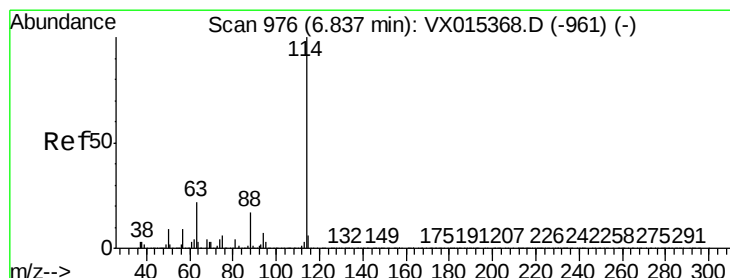
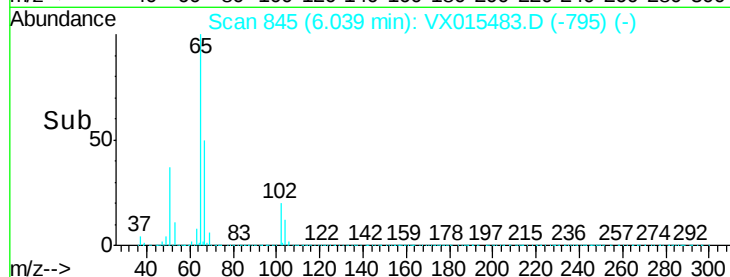
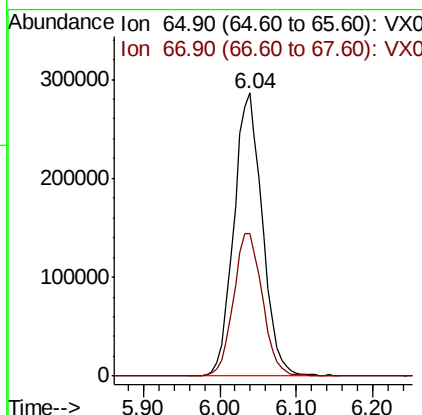
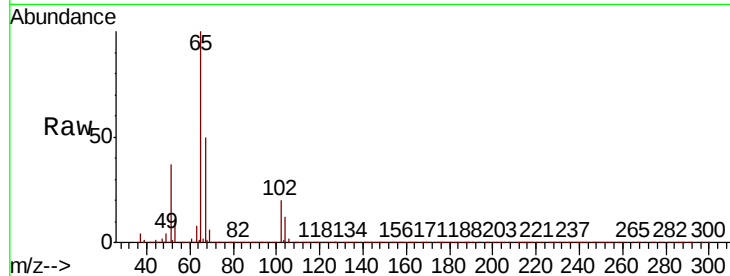




#33
 1,2-Dichloroethane-d4
 Concen: 48.035 ug/l
 RT: 6.04 min Scan# 845
 Delta R.T. 0.01 min
 Lab File: VX015483.D
 Acq: 02 Apr 2020 15:44

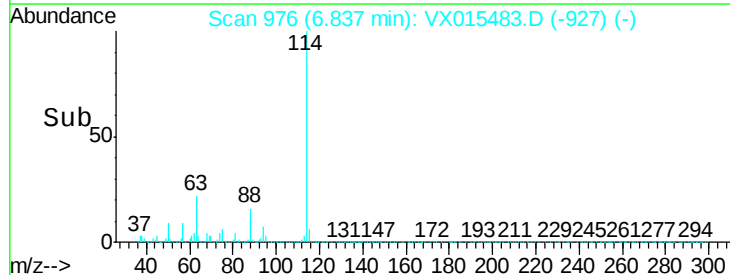
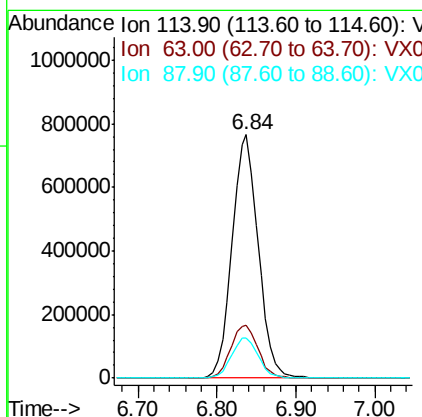
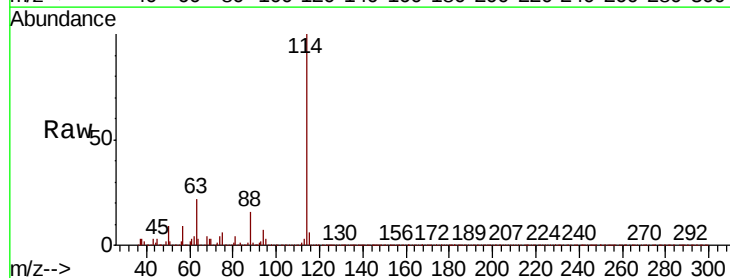
Instrument :
 MSVOA_X
 ClientSampleId :

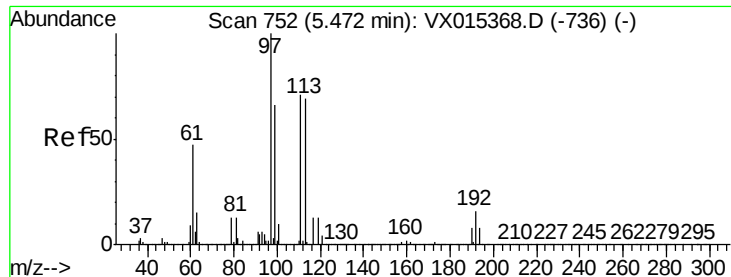
Tot Ion: 65 Resp: 736694
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VX015483.D
 Acq: 02 Apr 2020 15:44

Tgt Ion: 114 Resp: 1763405
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 44.2
 88 16.2 0.0 33.8

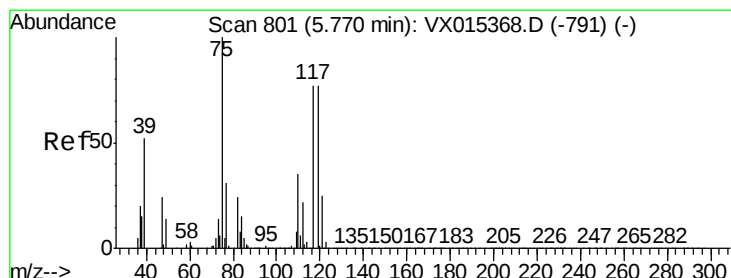
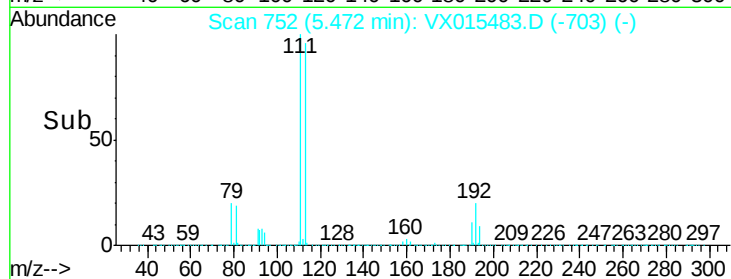
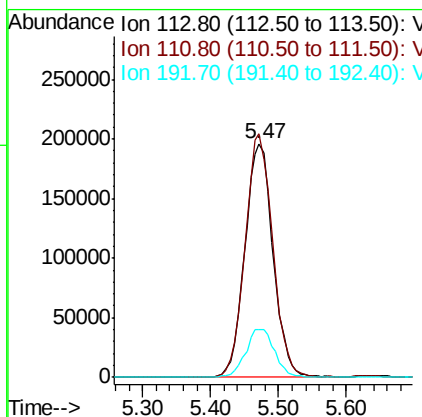
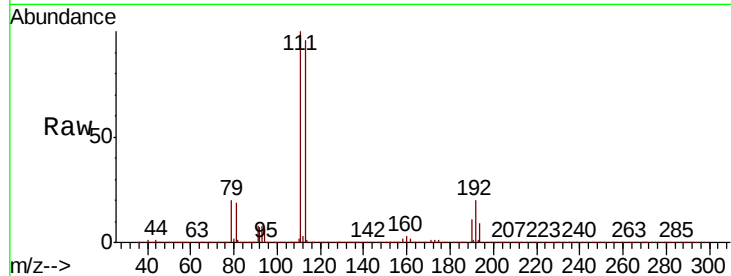




#35
 Dibromofluoromethane
 Concen: 49.995 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: VX015483.D
 Acq: 02 Apr 2020 15:44

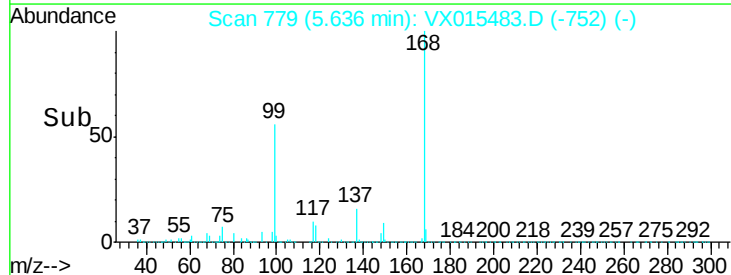
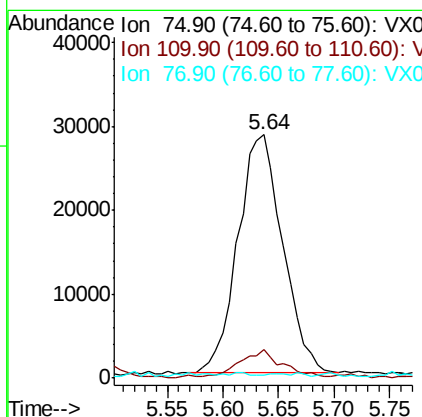
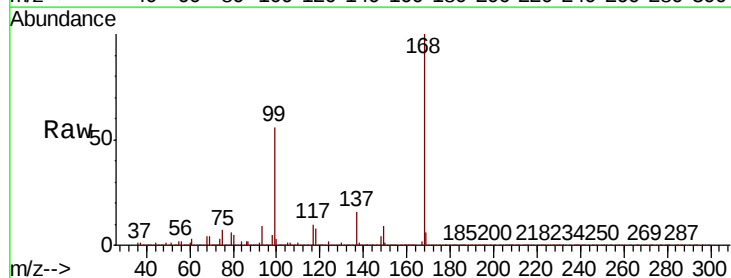
Instrument :
 MSVOA_X
 ClientSampled :

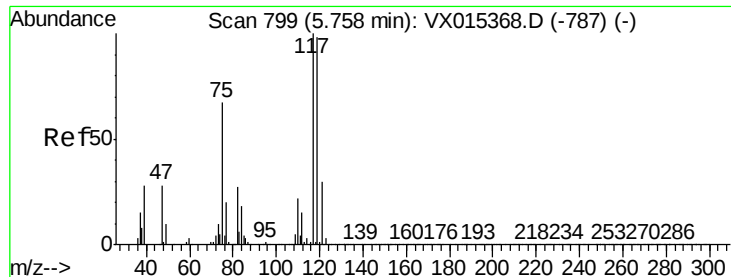
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.5	122.3
192	21.1	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 4.892 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.13 min
 Lab File: VX015483.D
 Acq: 02 Apr 2020 15:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.7	17.1	51.3#
77	0.5	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.092 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015483.D

Acq: 02 Apr 2020 15:44

Instrument :

MSVOA_X

ClientSampled :

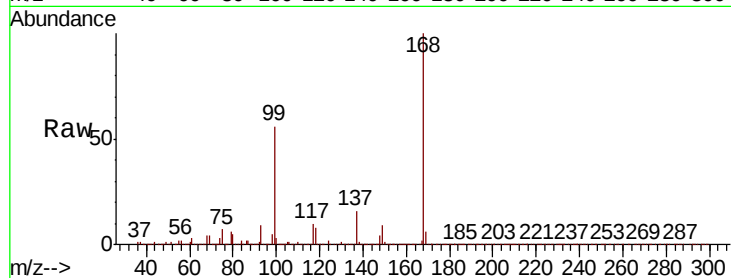
Tot Ion:117 Resp: 107200

Ion Ratio Lower Upper

117 100

119 3.9 78.0 117.0#

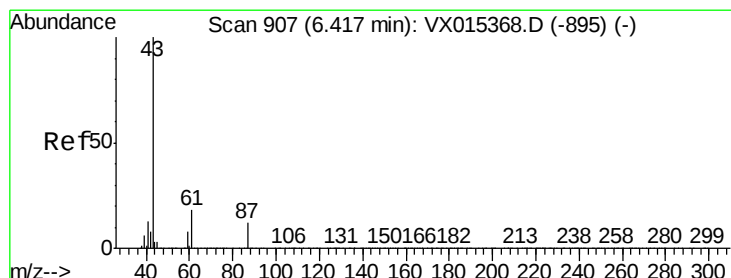
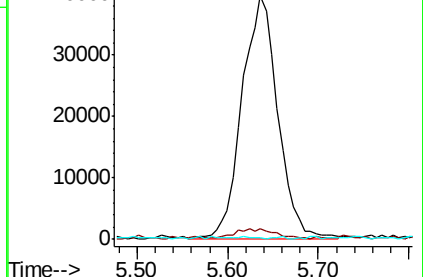
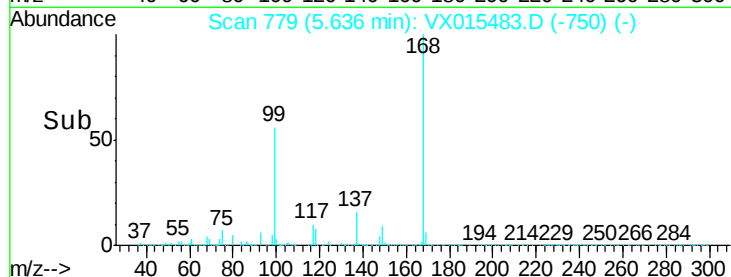
121 0.0 23.8 35.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 10.875 ug/l

RT: 6.42 min Scan# 907

Delta R.T. -0.00 min

Lab File: VX015483.D

Acq: 02 Apr 2020 15:44

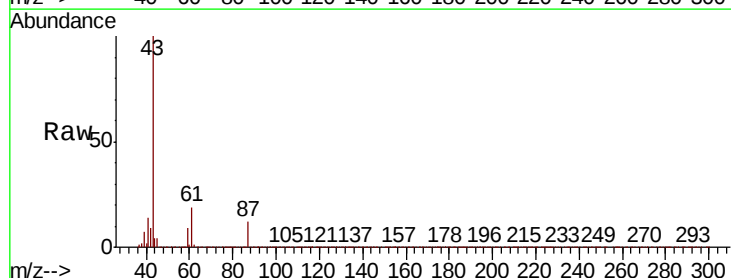
Tgt Ion: 43 Resp: 388382

Ion Ratio Lower Upper

43 100

61 18.4 14.8 22.2

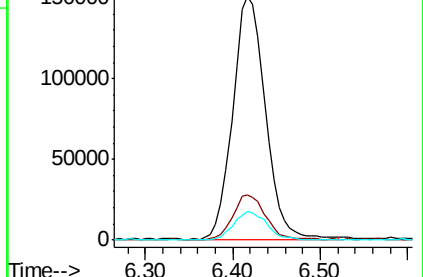
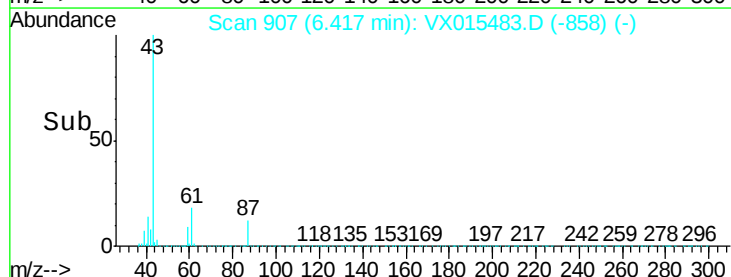
87 11.7 9.4 14.0

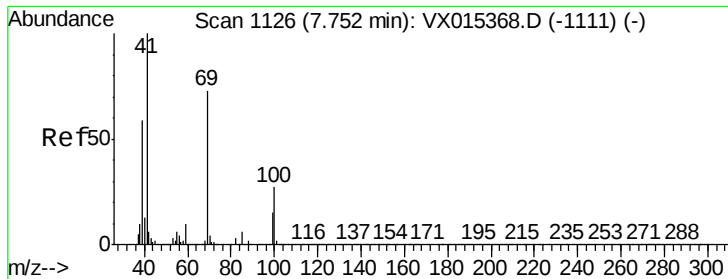


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

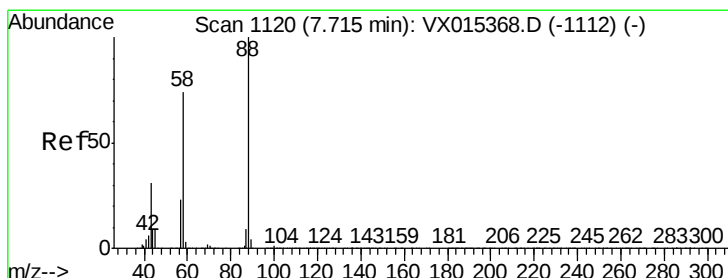
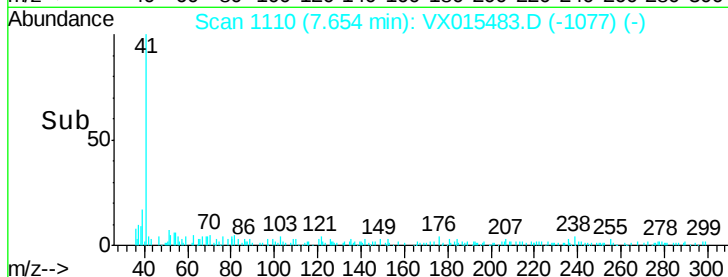
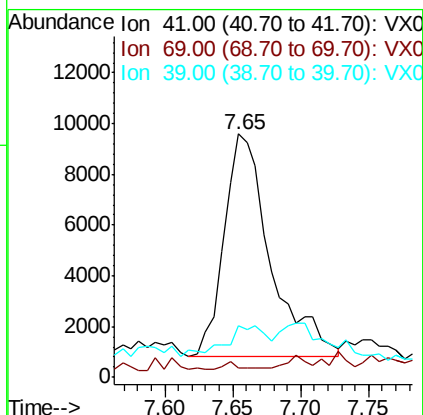
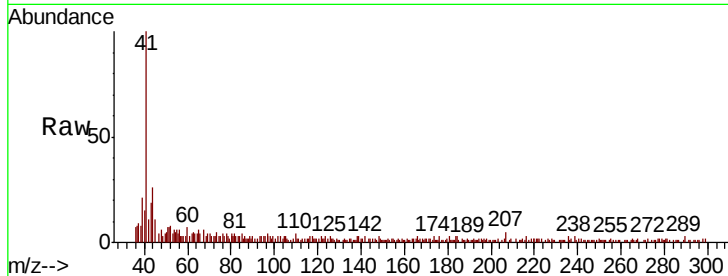




#48
Methvl methacrylate
Concen: 1.162 ug/l
RT: 7.65 min Scan# 1110
Delta R.T. -0.10 min
Lab File: VX015483.D
Acq: 02 Apr 2020 15:44

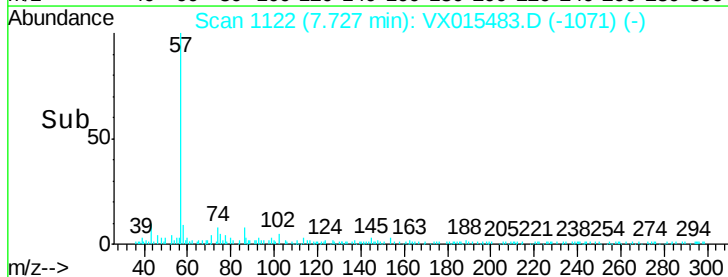
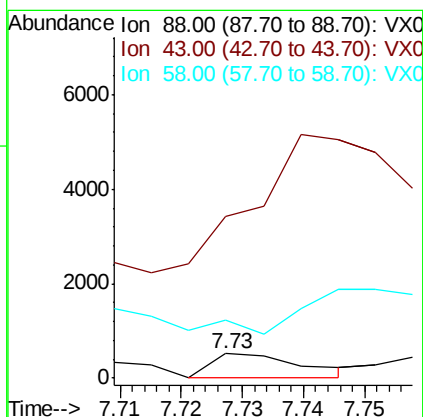
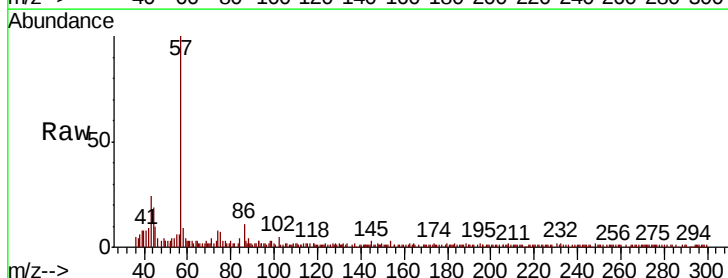
Instrument :
MSVOA_X
ClientSampleId :

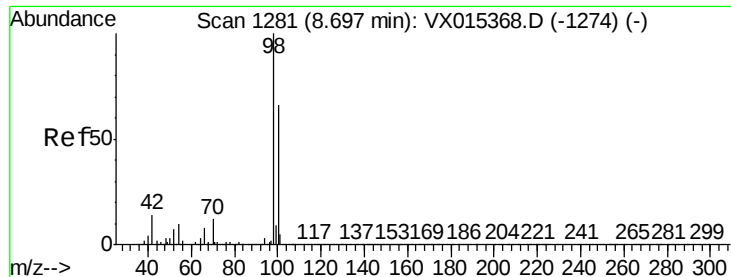
Tot Ion	Ratio	Lower	Upper
41	100		
69	1.1	56.7	85.1#
39	0.0	46.5	69.7#



#49
1,4-Dioxane
Concen: 1.614 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. 0.01 min
Lab File: VX015483.D
Acq: 02 Apr 2020 15:44

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.1	45.1#
58	0.0	60.6	90.8#

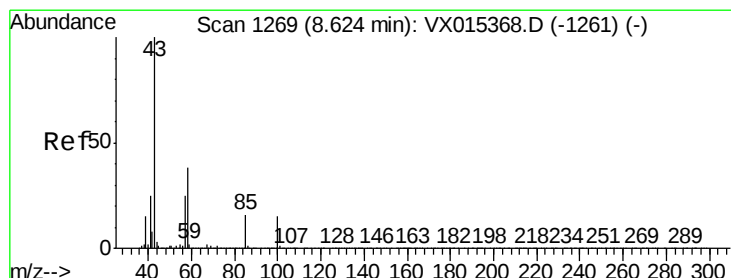
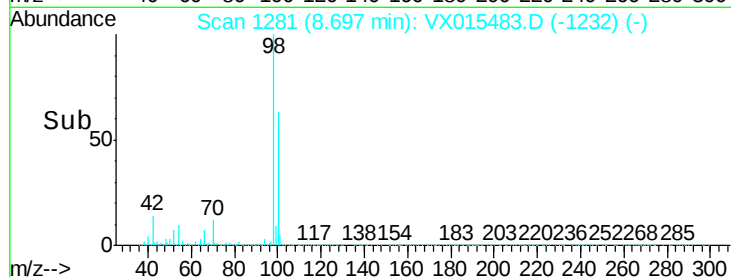
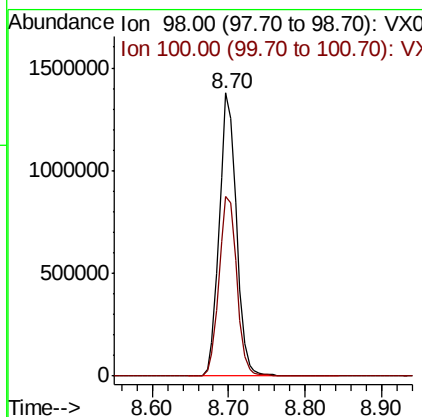
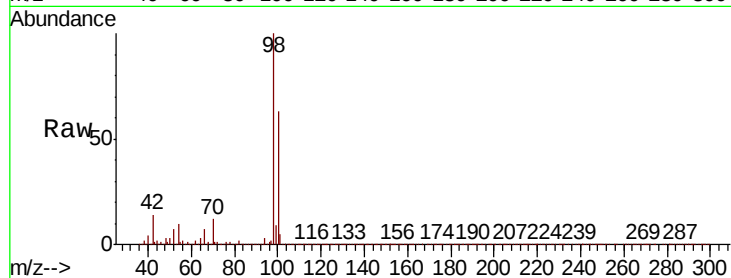




#50
Toluene-d8
Concen: 51.594 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015483.D
Acq: 02 Apr 2020 15:44

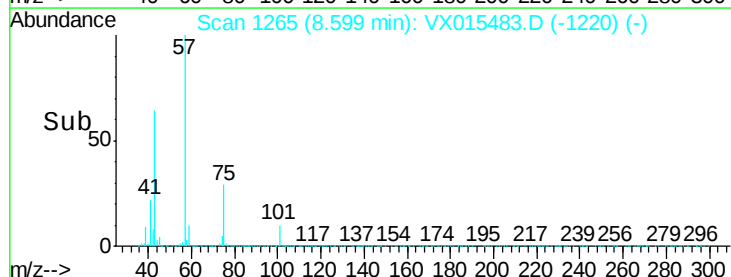
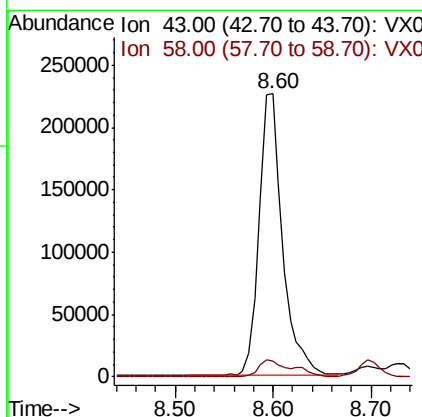
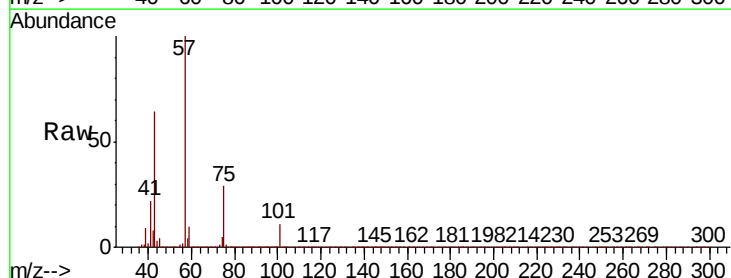
Instrument :
MSVOA_X
ClientSampleId :

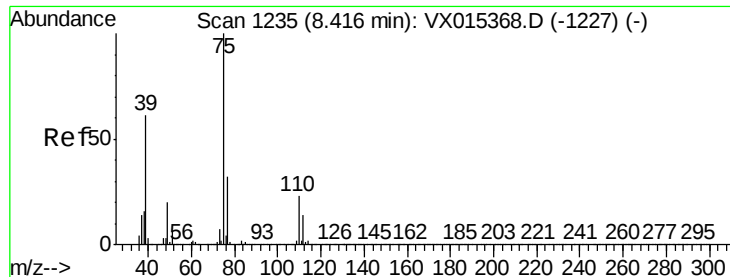
Tot Ion: 98 Resp: 2141208
Ion Ratio Lower Upper
98 100
100 65.6 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 18.737 ug/l
RT: 8.60 min Scan# 1265
Delta R.T. -0.02 min
Lab File: VX015483.D
Acq: 02 Apr 2020 15:44

Tgt Ion: 43 Resp: 379219
Ion Ratio Lower Upper
43 100
58 8.0 29.7 44.5#



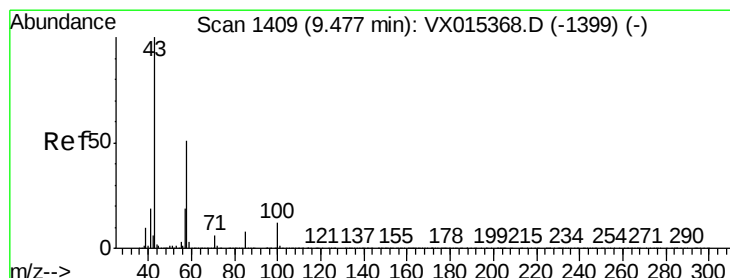
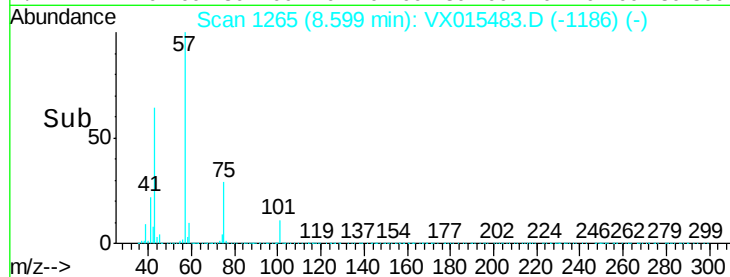
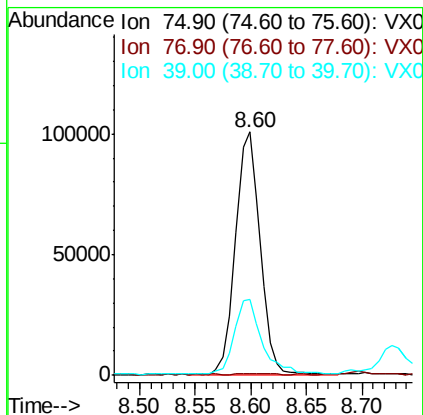
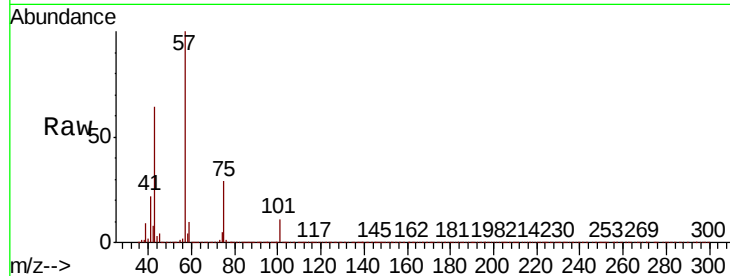


#54

cis-1,3-Dichloropropene
 Concen: 7.130 ug/l
 RT: 8.60 min Scan# 1265
 Delta R.T. 0.18 min
 Lab File: VX015483.D
 Acq: 02 Apr 2020 15:44

Instrument :
 MSVOA_X
 ClientSampleId :

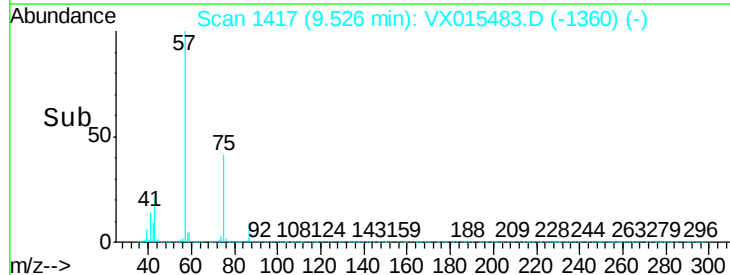
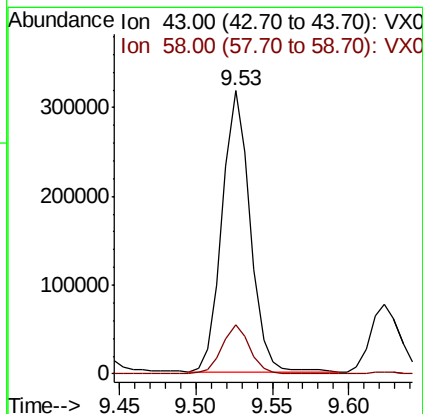
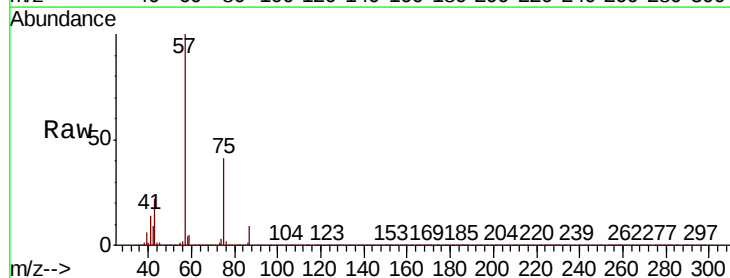
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.4	25.8	38.6#
39	30.6	49.0	73.4#

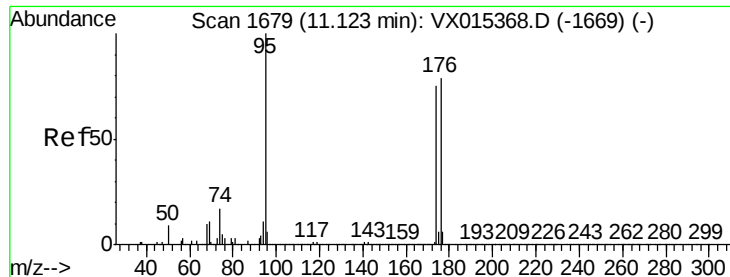


#59

2-Hexanone
 Concen: 26.497 ug/l
 RT: 9.53 min Scan# 1417
 Delta R.T. 0.05 min
 Lab File: VX015483.D
 Acq: 02 Apr 2020 15:44

Tgt Ion	Ratio	Lower	Upper
43	100		
58	16.9	25.6	76.6#





#62

4-Bromofluorobenzene

Concen: 54.915 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015483.D

Acq: 02 Apr 2020 15:44

Instrument :

MSVOA_X

ClientSampled :

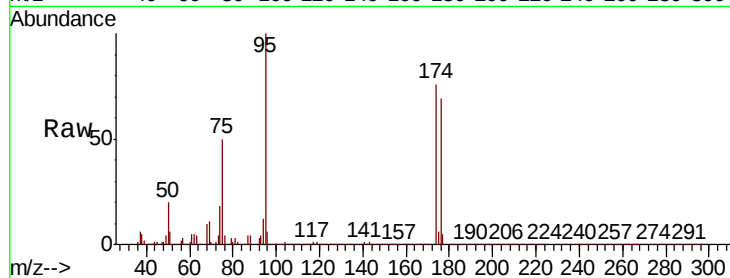
Tot Ion: 95 Resp: 926204

Ion Ratio Lower Upper

95 100

174 78.0 0.0 158.6

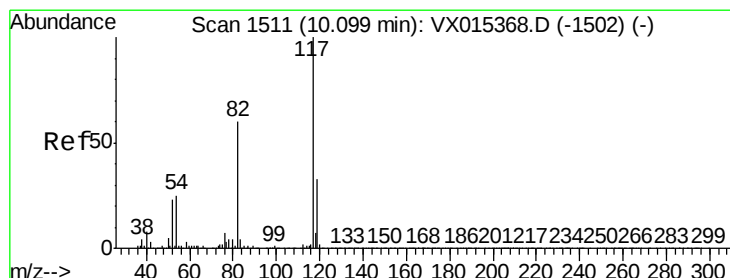
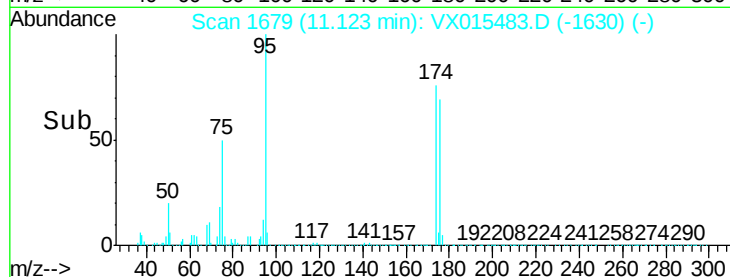
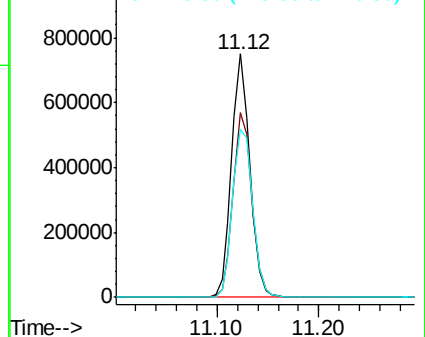
176 75.8 0.0 159.0



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: VX015483.D

Acq: 02 Apr 2020 15:44

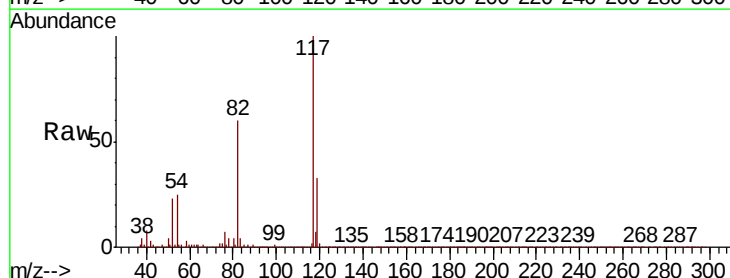
Tgt Ion: 117 Resp: 1671903

Ion Ratio Lower Upper

117 100

82 59.7 47.8 71.8

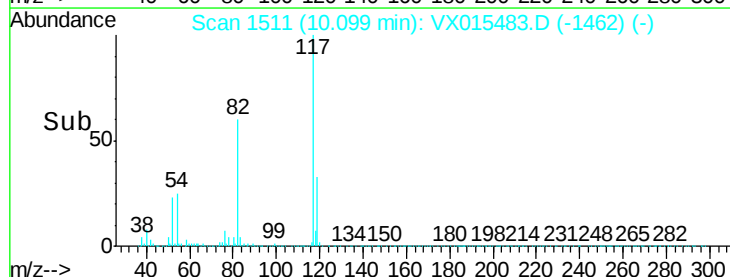
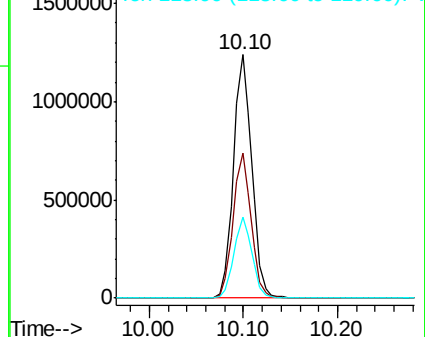
119 33.1 26.8 40.2

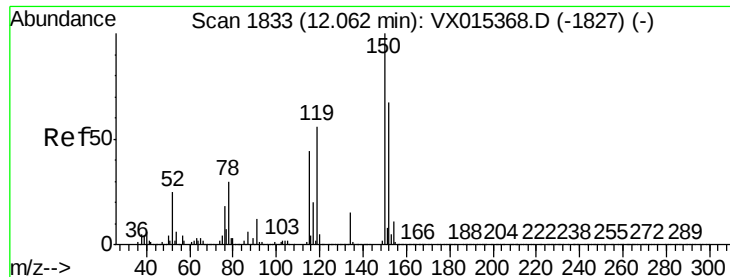


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX015483.D

Acq: 02 Apr 2020 15:44

Instrument :

MSVOA_X

ClientSampleId :

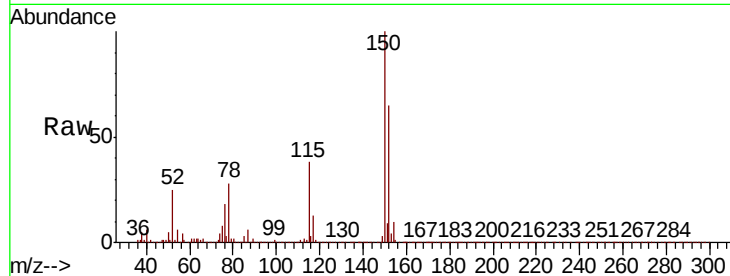
Tot Ion:152 Resp: 895593

Ion Ratio Lower Upper

152 100

115 59.4 39.0 116.9

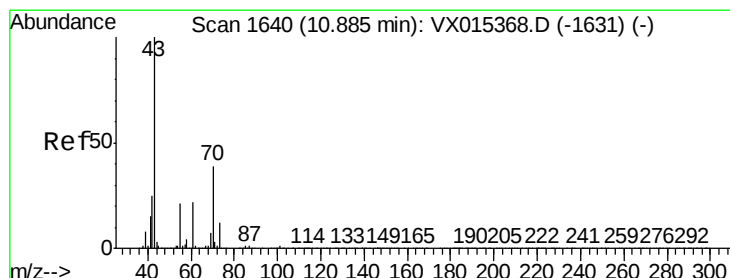
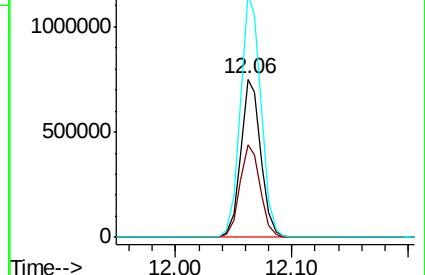
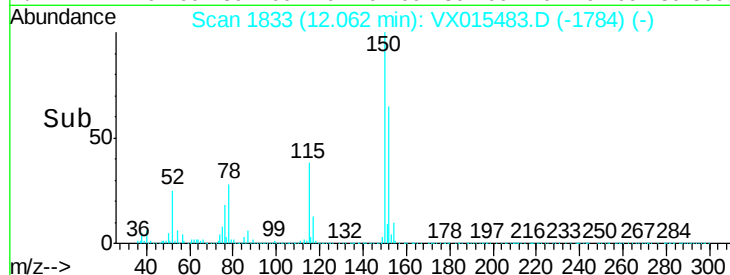
150 158.2 0.0 340.8



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



#74

N-aryl acetate

Concen: 0.540 ug/l

RT: 10.81 min Scan# 1628

Delta R.T. -0.07 min

Lab File: VX015483.D

Acq: 02 Apr 2020 15:44

Tgt Ion: 43 Resp: 17626

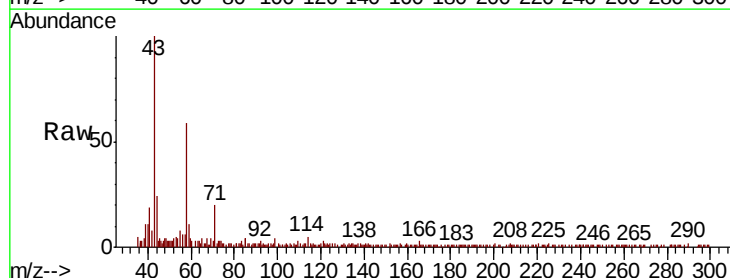
Ion Ratio Lower Upper

43 100

70 0.0 30.2 45.4#

55 8.4 16.8 25.2#

61 0.0 18.2 27.2#

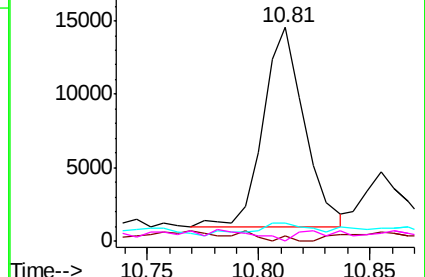
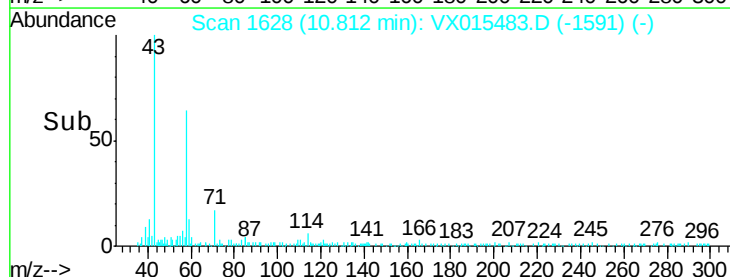


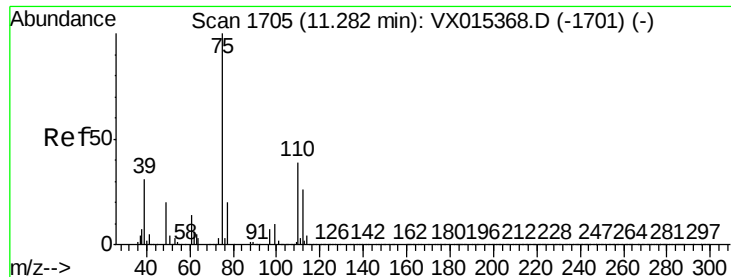
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

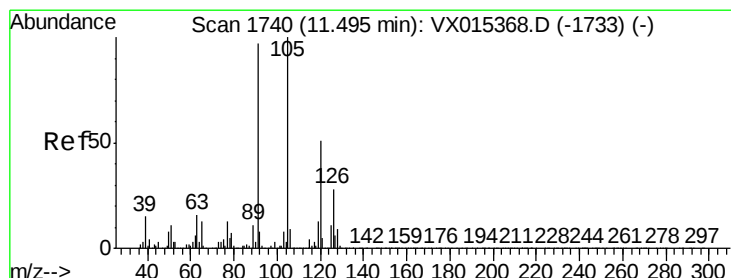
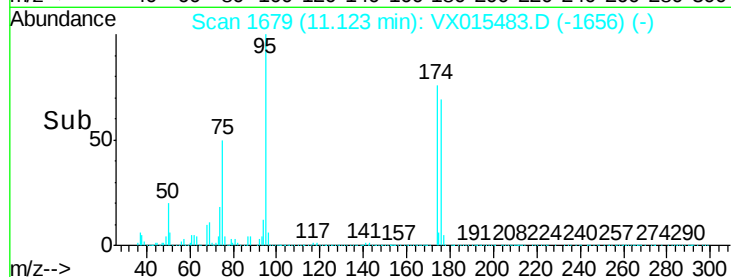
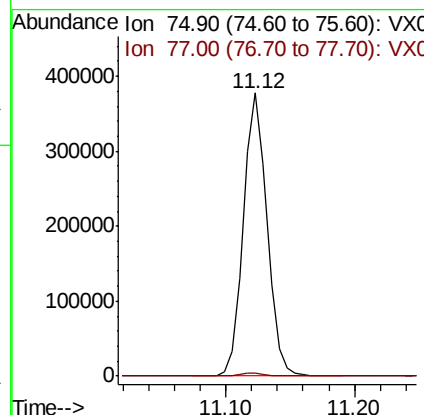
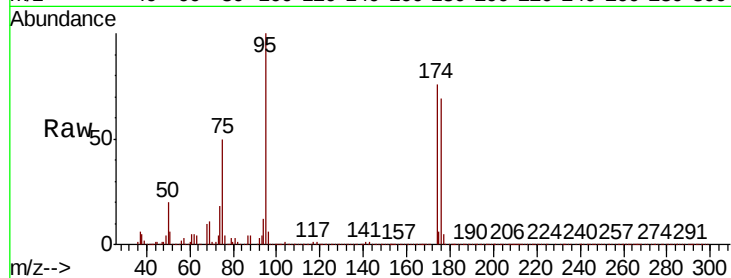




#76
 1,2,3-Trichloropropane
 Concen: 25.959 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. -0.16 min
 Lab File: VX015483.D
 Acq: 02 Apr 2020 15:44

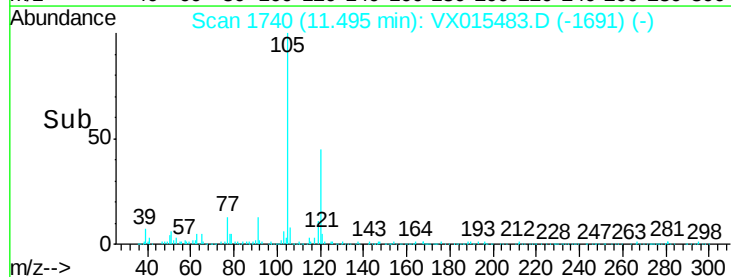
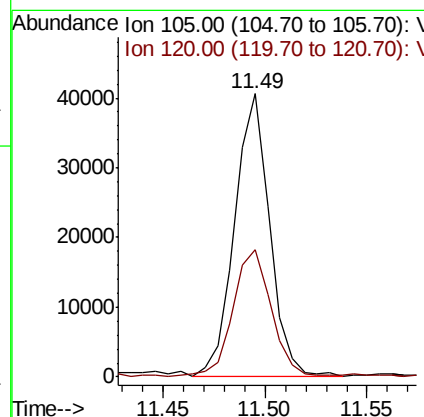
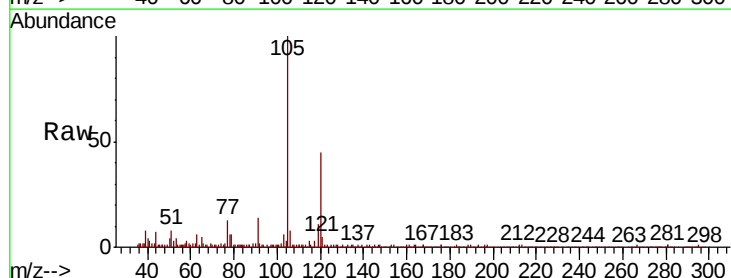
Instrument :
 MSVOA_X
 ClientSampleId :

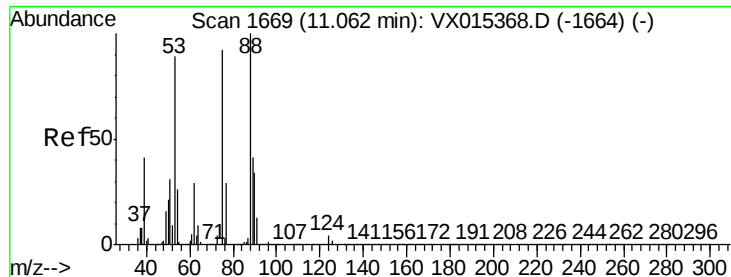
Tot Ion: 75 Resp: 478091
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.2 63.6#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.962 ug/l
 RT: 11.49 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: VX015483.D
 Acq: 02 Apr 2020 15:44

Tgt Ion:105 Resp: 48191
 Ion Ratio Lower Upper
 105 100
 120 50.8 24.8 74.4





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.287 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. 0.06 min
 Lab File: VX015483.D
 Acq: 02 Apr 2020 15:44

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 478091
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.1 120.1#
 89 0.0 36.1 54.1#

