

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042320\
 Data File : VX015915.D
 Acq On : 24 Apr 2020 01:19
 Operator : JC/SP
 Sample : L2364-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 30964

Quant Time: Apr 24 03:42:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 04:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	877653	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1353925	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1305312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	750888	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	492545	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
35) Dibromofluoromethane	5.47	113	387966	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	
50) Toluene-d8	8.70	98	1631140	51.85	ug/l	0.00
Spiked Amount			Recovery	=	103.70%	
62) 4-Bromofluorobenzene	11.12	95	684688	53.05	ug/l	0.00
Spiked Amount			Recovery	=	106.10%	

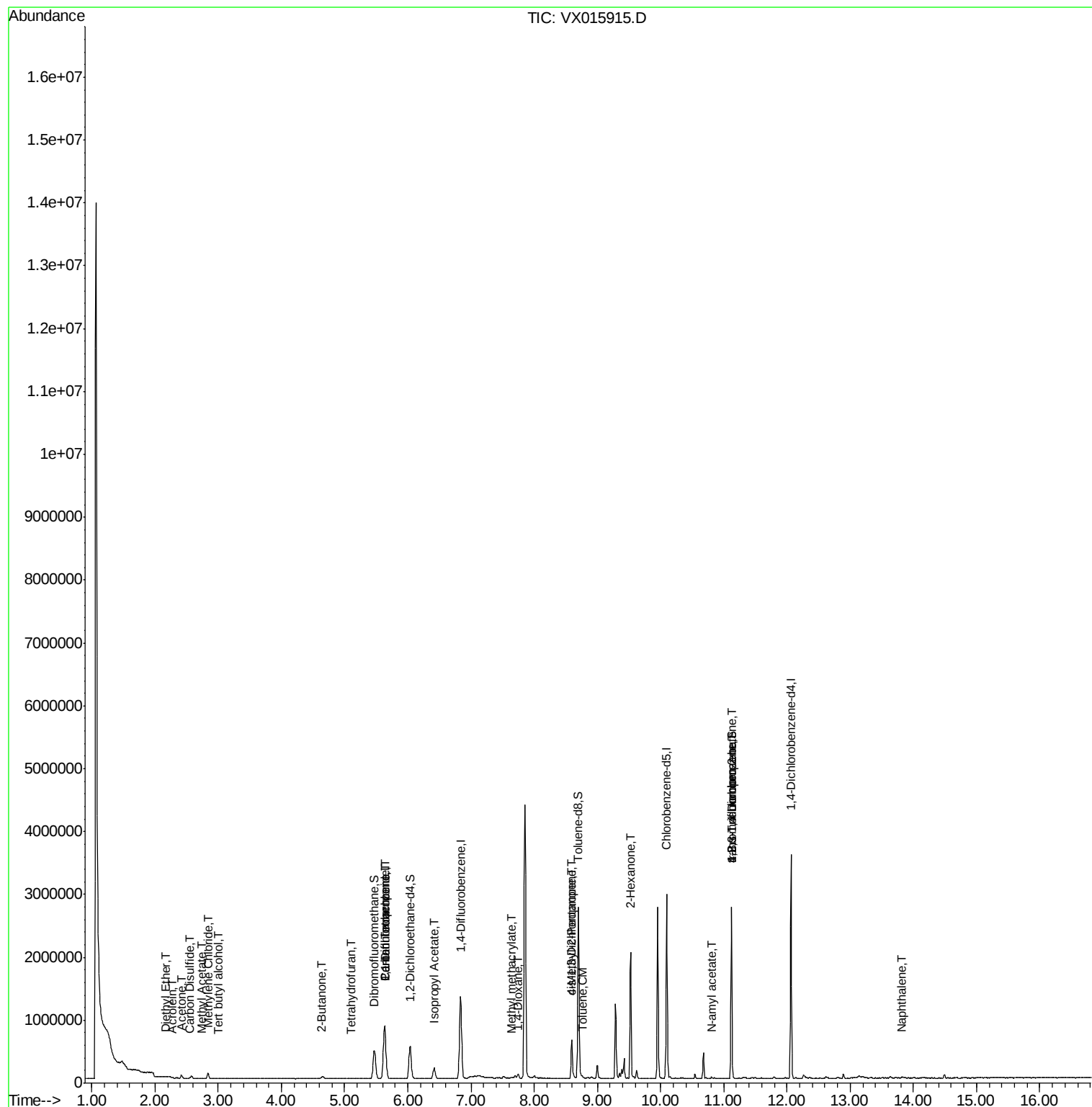
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	1561	0.348	ug/l	78
11) Tert butyl alcohol	3.00	59	3293	1.615	ug/l #	28
13) Acrolein	2.28	56	1196	0.991	ug/l #	15
16) Acetone	2.42	43	63069	14.511	ug/l	96
17) Carbon Disulfide	2.55	76	15691	0.562	ug/l #	94
18) Methyl Acetate	2.75	43	9739	0.679	ug/l	92
20) Methylene Chloride	2.84	84	42102	4.772	ug/l	95
25) 2-Butanone	4.65	43	24932	3.629	ug/l	92
29) Tetrahydrofuran	5.10	42	1864	0.410	ug/l #	79
36) 1,1-Dichloropropene	5.64	75	61068	5.088	ug/l #	51
38) Carbon Tetrachloride	5.63	117	80580	6.816	ug/l #	17
43) Isopropyl Acetate	6.42	43	250703	10.404	ug/l	97
48) Methyl methacrylate	7.65	41	16917	1.427	ug/l #	21
49) 1,4-Dioxane	7.73	88	386	1.723	ug/l #	21
51) 4-Methyl-2-Pentanone	8.59	43	235281	16.916	ug/l #	47
52) Toluene	8.77	92	6082	0.262	ug/l	88
54) cis-1,3-Dichloropropene	8.59	75	100097	6.204	ug/l #	56
59) 2-Hexanone	9.53	43	245266	23.148	ug/l #	52
74) N-amyl acetate	10.81	43	15820	0.643	ug/l #	48
76) 1,2,3-Trichloropropane	11.12	75	336699	23.581	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	336699	56.724	ug/l #	13
95) Naphthalene	13.82	128	13126	0.255	ug/l #	90

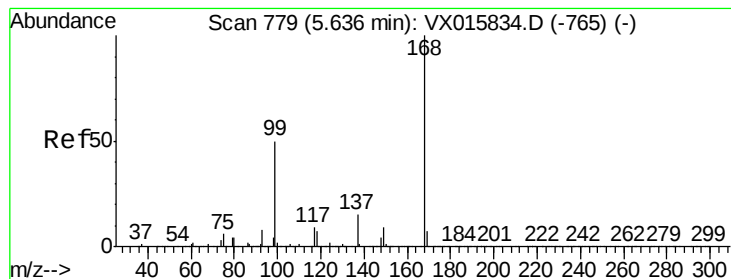
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042320\
Data File : VX015915.D
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 23 04:36:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.01 min

Lab File: VX015915.D

Acq: 24 Apr 2020 01:19

Instrument :

MSVOA_X

ClientSampleId :

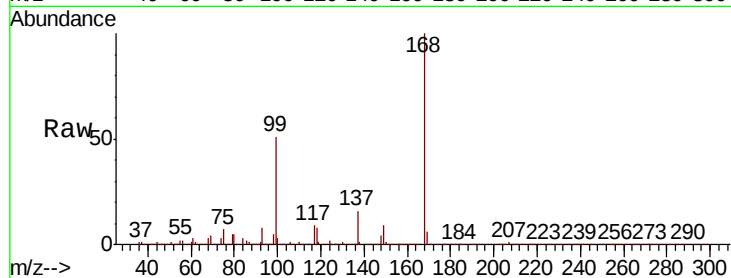
30964

Tot Ion:168 Resp: 877653

Ion Ratio Lower Upper

168 100

99 50.6 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

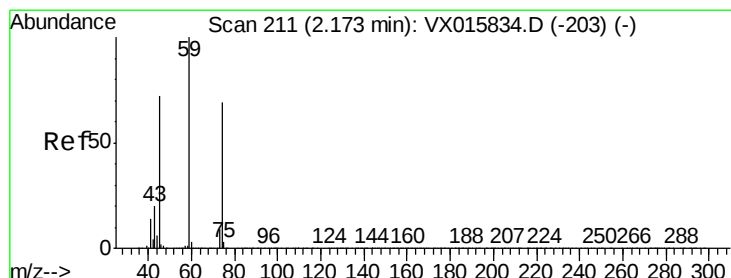
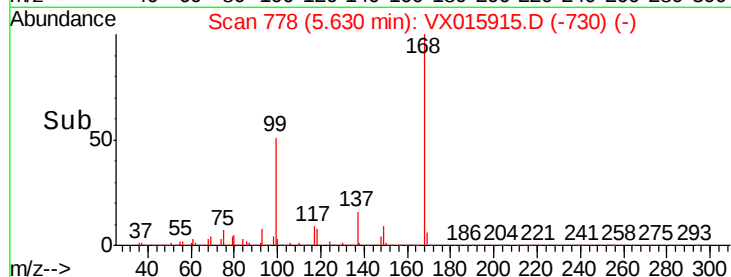
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 0.348 ug/l

RT: 2.17 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX015915.D

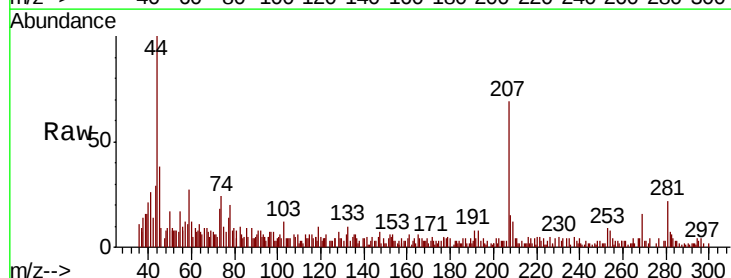
Acq: 24 Apr 2020 01:19

Tgt Ion: 74 Resp: 1561

Ion Ratio Lower Upper

74 100

45 84.8 53.8 161.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2500

2000

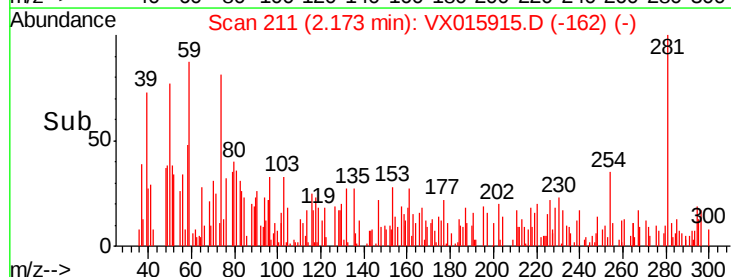
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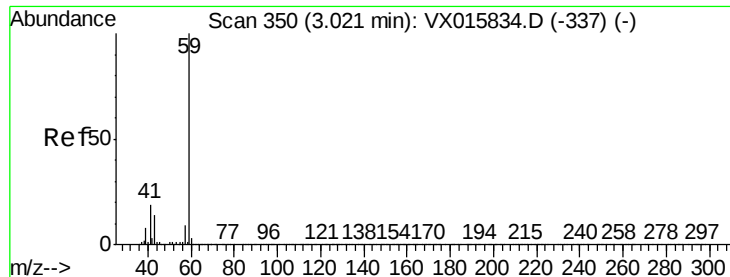
1000

500

0

Time-->

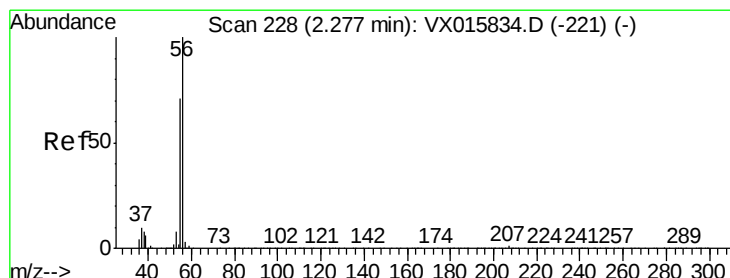
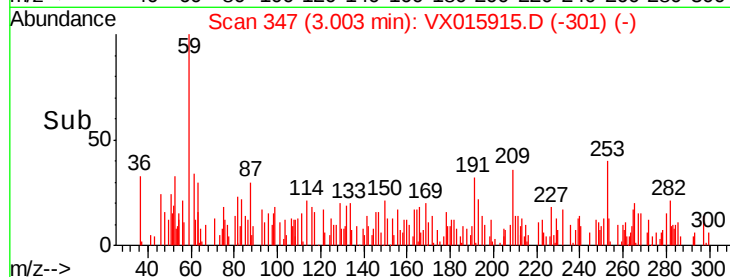
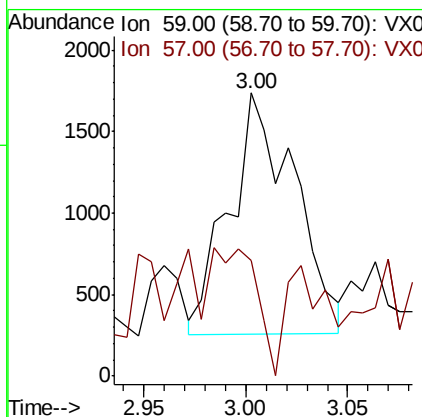
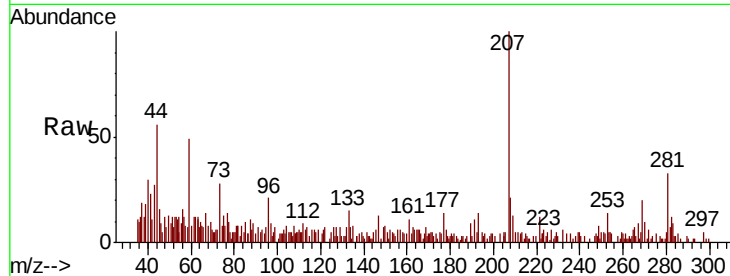




#11
Tert butyl alcohol
Concen: 1.615 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.02 min
Lab File: VX015915.D
Acq: 24 Apr 2020 01:19

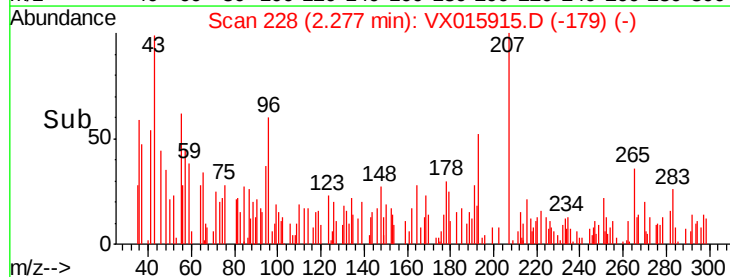
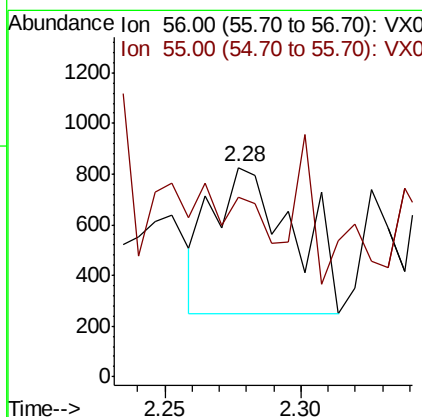
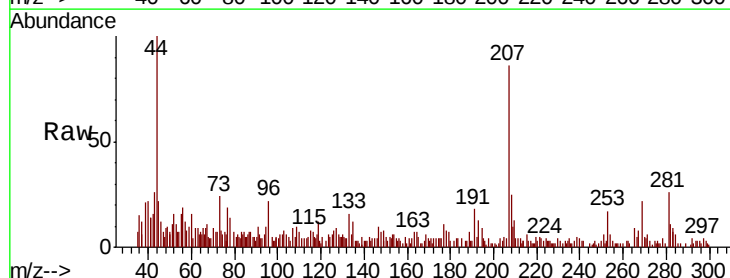
Instrument :
MSVOA_X
ClientSampled :
30964

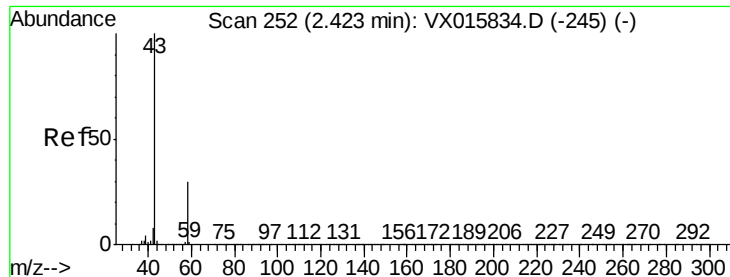
Tot Ion: 59 Resp: 3293
Ion Ratio Lower Upper
59 100
57 36.9 8.2 12.2#



#13
Acrolein
Concen: 0.991 ug/l
RT: 2.28 min Scan# 228
Delta R.T. 0.00 min
Lab File: VX015915.D
Acq: 24 Apr 2020 01:19

Tgt Ion: 56 Resp: 1196
Ion Ratio Lower Upper
56 100
55 0.0 56.1 84.1#





#16

Acetone

Concen: 14.511 ug/l

RT: 2.42 min Scan# 251

Delta R.T. -0.01 min

Lab File: VX015915.D

Acq: 24 Apr 2020 01:19

Instrument :

MSVOA_X

ClientSampleId :

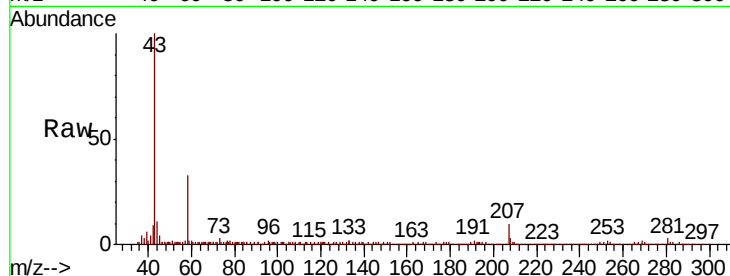
30964

Tot Ion: 43 Resp: 63069

Ion Ratio Lower Upper

43 100

58 32.3 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

40000

30000

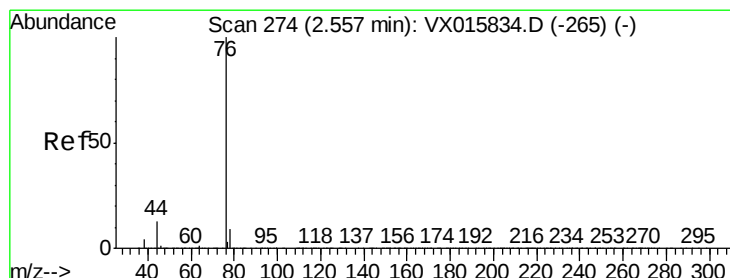
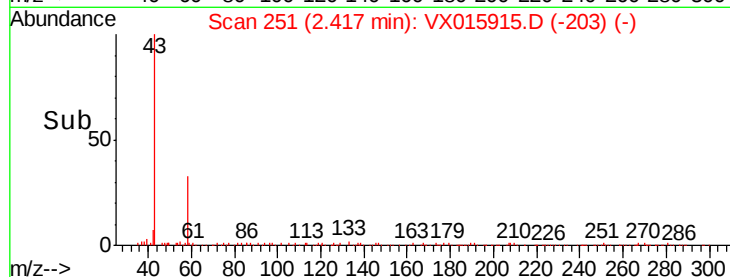
20000

10000

0

Time-->

2.35 2.40 2.45 2.50



#17

Carbon Disulfide

Concen: 0.562 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX015915.D

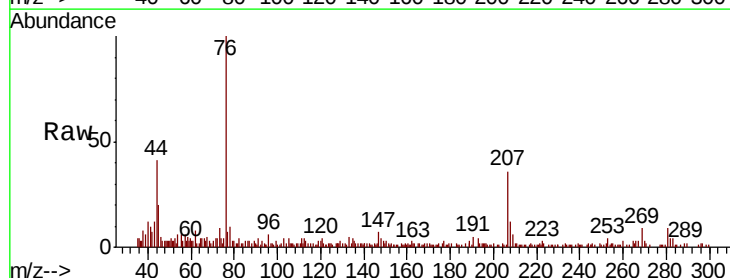
Acq: 24 Apr 2020 01:19

Tgt Ion: 76 Resp: 15691

Ion Ratio Lower Upper

76 100

78 7.2 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

10000

8000

6000

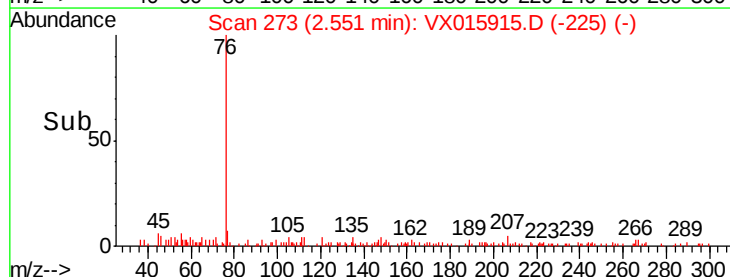
4000

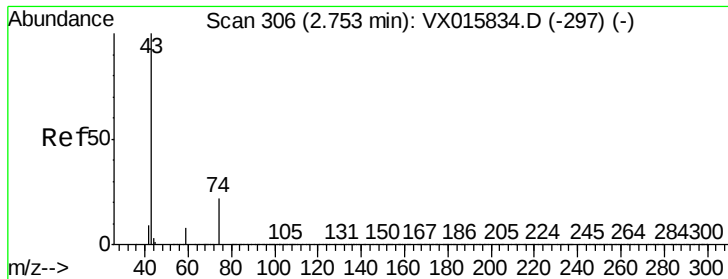
2000

0

Time-->

2.50 2.55 2.60

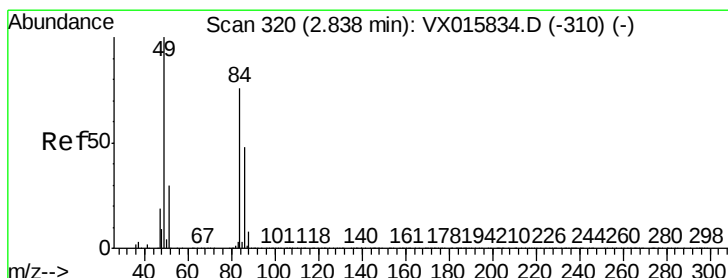
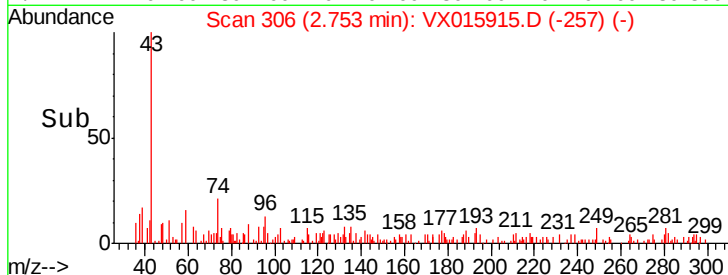
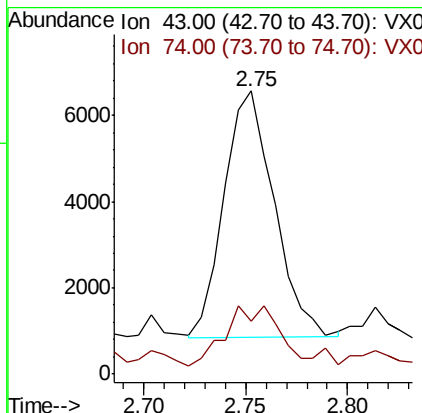
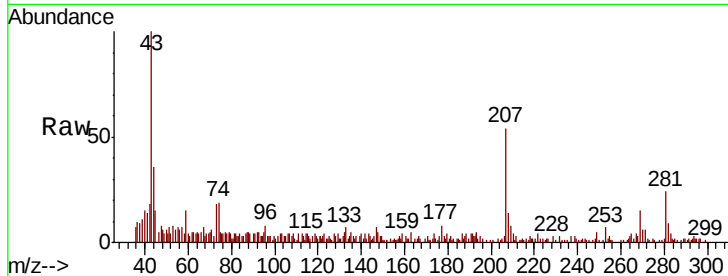




#18
Methvl Acetate
Concen: 0.679 ug/l
RT: 2.75 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX015915.D
Acq: 24 Apr 2020 01:19

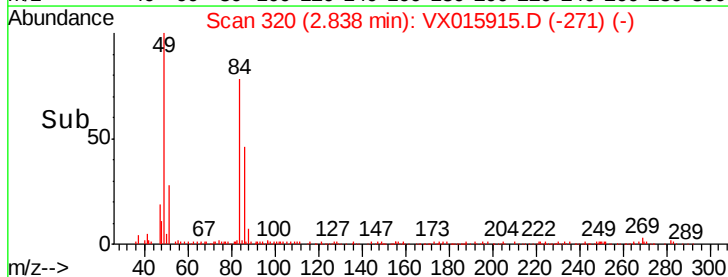
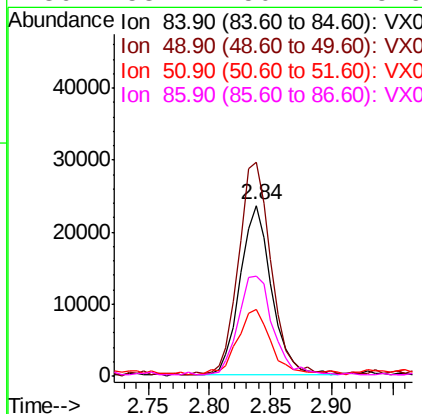
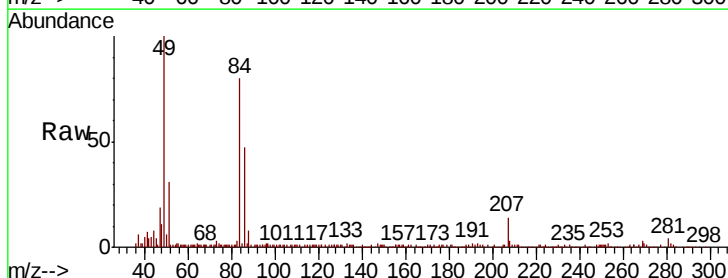
Instrument :
MSVOA_X
ClientSampleId :
30964

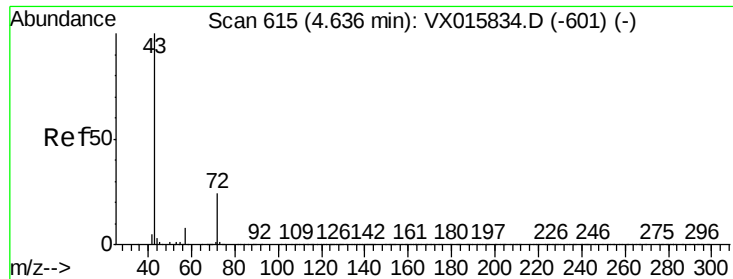
Tot Ion: 43 Resp: 9739
Ion Ratio Lower Upper
43 100
74 26.0 17.9 26.9



#20
Methylene Chloride
Concen: 4.772 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.00 min
Lab File: VX015915.D
Acq: 24 Apr 2020 01:19

Tgt Ion: 84 Resp: 42102
Ion Ratio Lower Upper
84 100
49 124.4 104.9 157.3
51 38.1 32.0 48.0
86 58.2 50.4 75.6

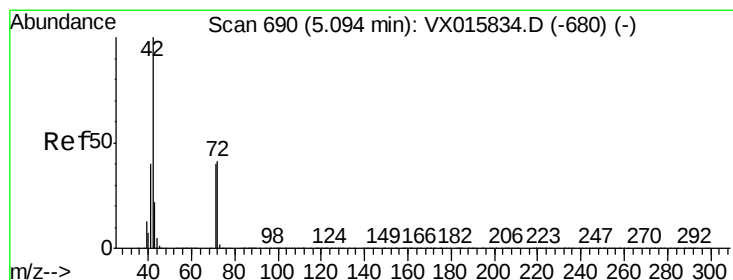
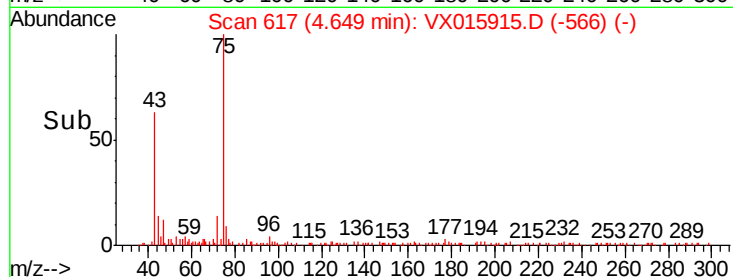
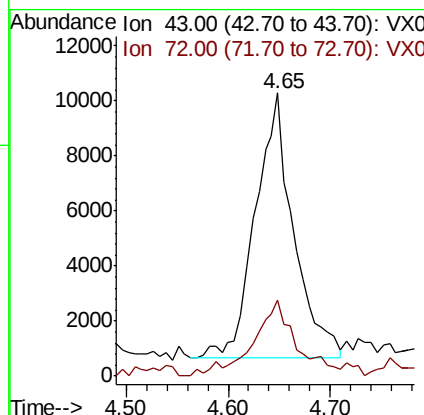
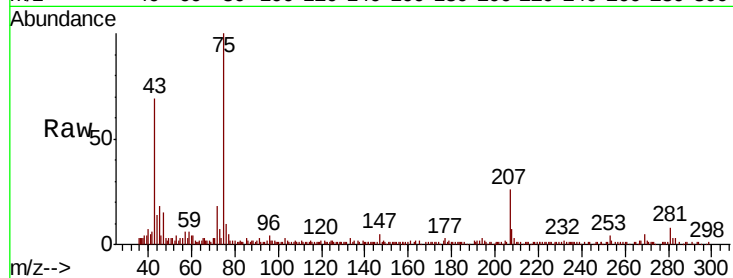




#25
2-Butanone
Concen: 3.629 ug/l
RT: 4.65 min Scan# 617
Delta R.T. 0.01 min
Lab File: VX015915.D
Acq: 24 Apr 2020 01:19

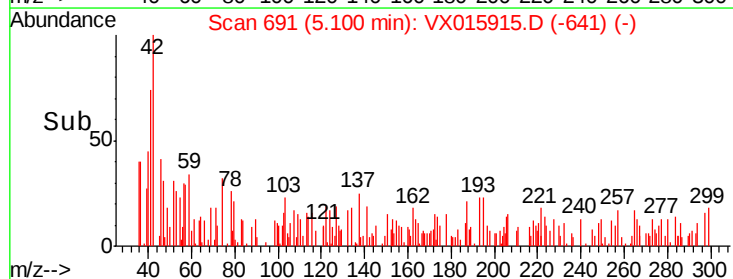
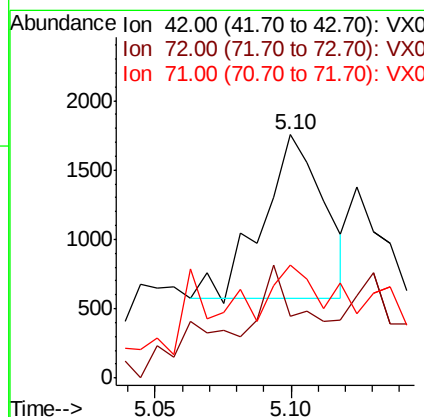
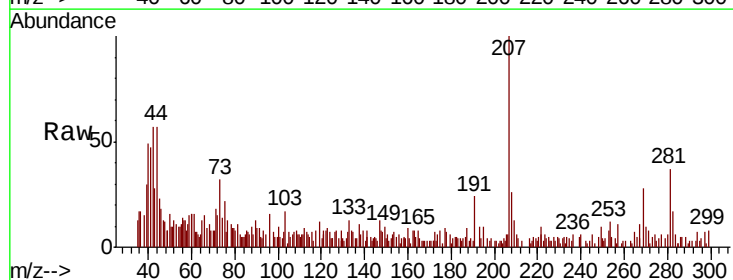
Instrument :
MSVOA_X
ClientSampled :
30964

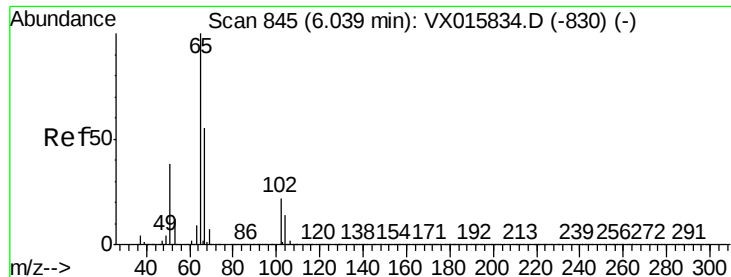
Tot Ion: 43 Resp: 24932
Ion Ratio Lower Upper
43 100
72 28.5 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.410 ug/l
RT: 5.10 min Scan# 691
Delta R.T. 0.01 min
Lab File: VX015915.D
Acq: 24 Apr 2020 01:19

Tgt Ion: 42 Resp: 1864
Ion Ratio Lower Upper
42 100
72 21.7 33.0 49.6#
71 32.2 30.6 45.8





#33

1,2-Dichloroethane-d4

Concen: 49.343 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.00 min

Lab File: VX015915.D

Acq: 24 Apr 2020 01:19

Instrument :

MSVOA_X

ClientSampleId :

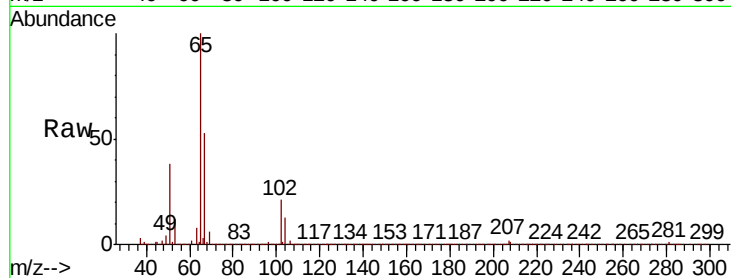
30964

Tot Ion: 65 Resp: 492545

Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04

200000

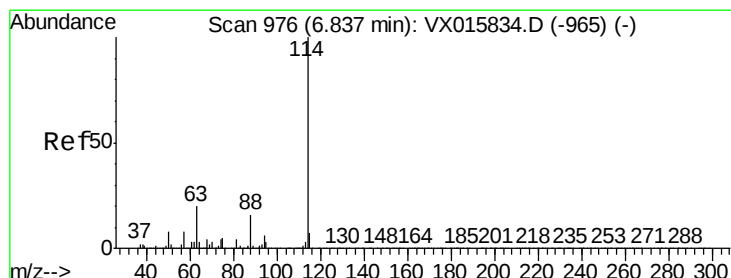
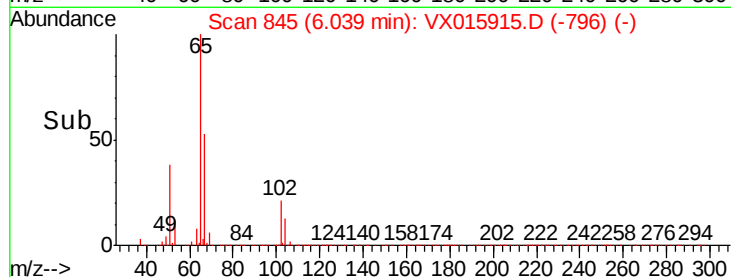
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015915.D

Acq: 24 Apr 2020 01:19

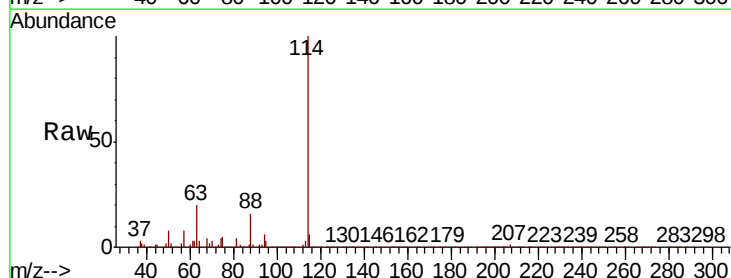
Tgt Ion: 114 Resp: 1353925

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.6

88 15.7 0.0 32.8



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

6.84

800000

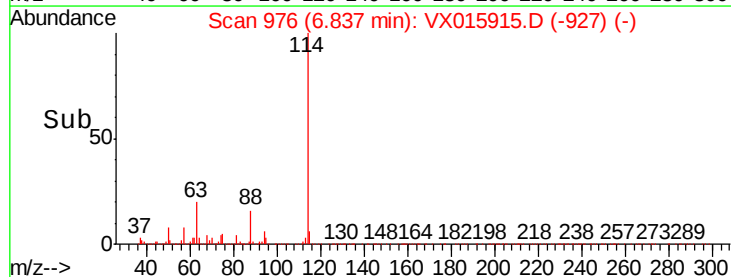
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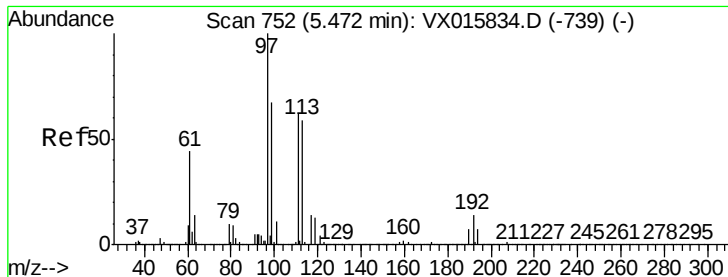
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Time-->

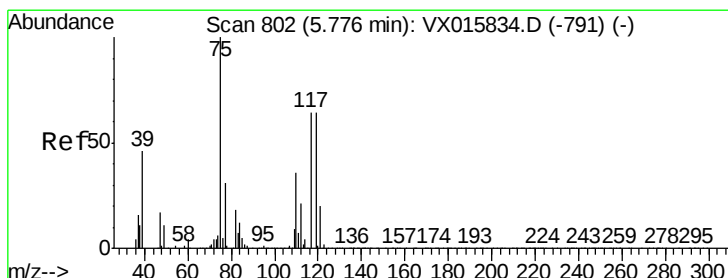
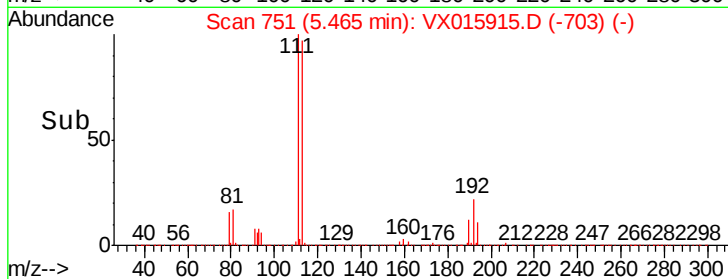
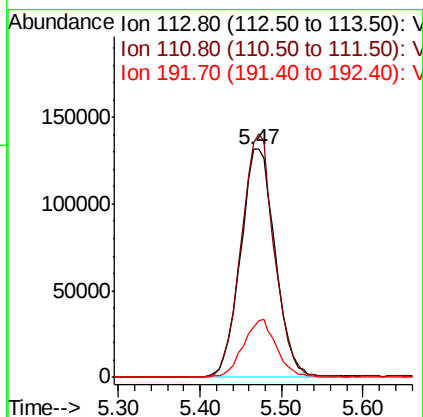
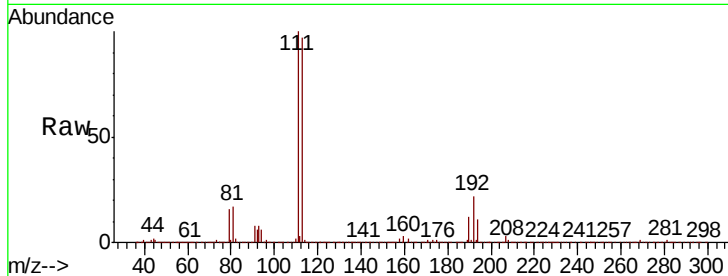




#35
 Dibromofluoromethane
 Concen: 49.643 ug/l
 RT: 5.47 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: VX015915.D
 Acq: 24 Apr 2020 01:19

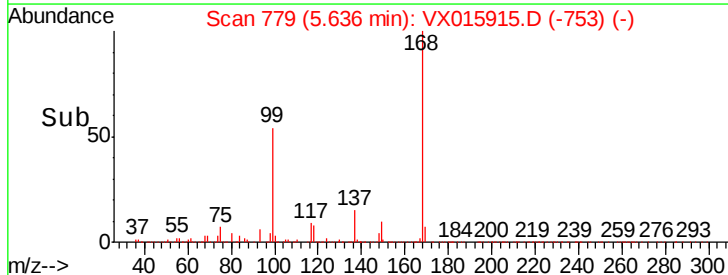
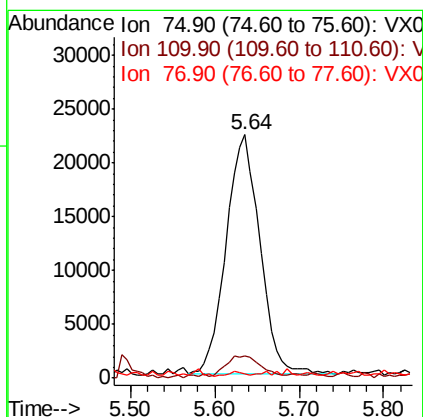
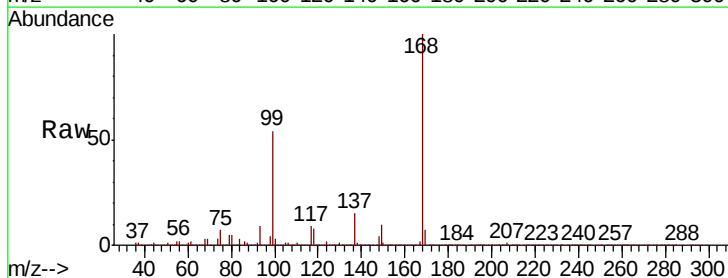
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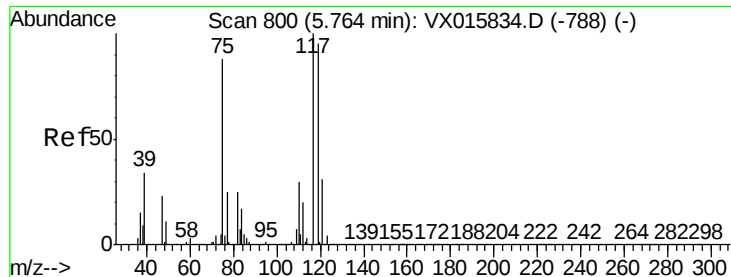
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.7	124.1
192	24.1	19.3	28.9



#36
 1,1-Dichloropropene
 Concen: 5.088 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.14 min
 Lab File: VX015915.D
 Acq: 24 Apr 2020 01:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	17.9	53.8#
77	0.6	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.816 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.13 min

Lab File: VX015915.D

Acq: 24 Apr 2020 01:19

Instrument :

MSVOA_X

ClientSampleId :

30964

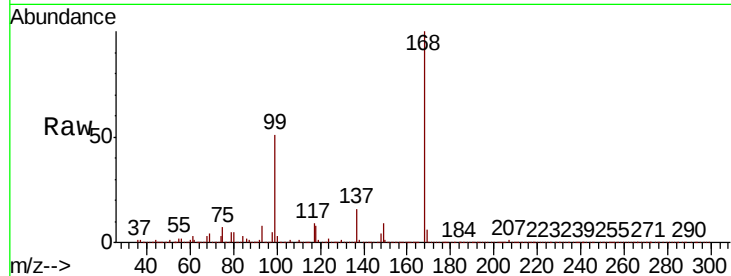
Tot Ion:117 Resp: 80580

Ion Ratio Lower Upper

117 100

119 5.2 75.7 113.5#

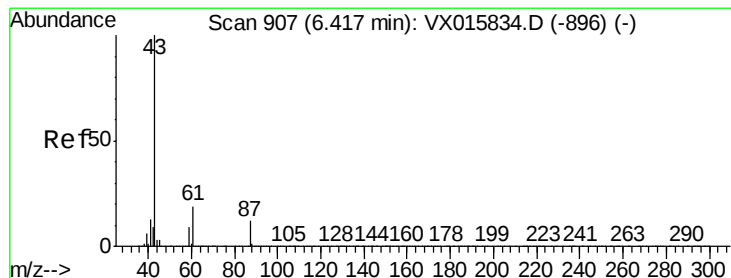
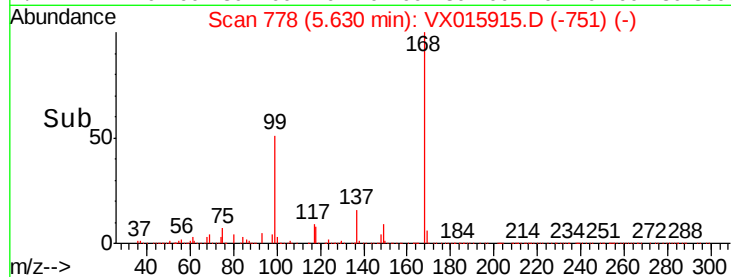
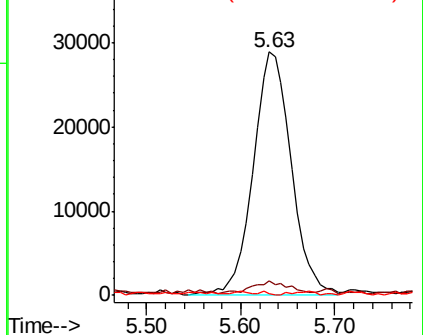
121 0.1 25.0 37.6#



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: 10.404 ug/l

RT: 6.42 min Scan# 907

Delta R.T. 0.00 min

Lab File: VX015915.D

Acq: 24 Apr 2020 01:19

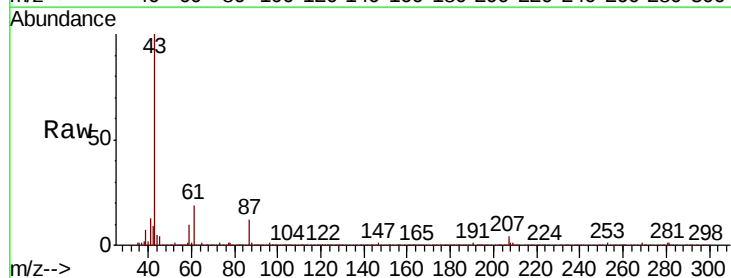
Tgt Ion: 43 Resp: 250703

Ion Ratio Lower Upper

43 100

61 20.6 15.4 23.2

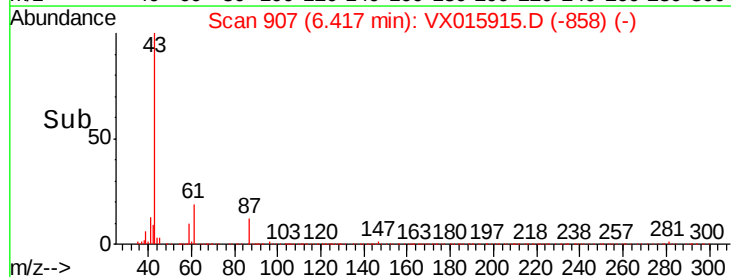
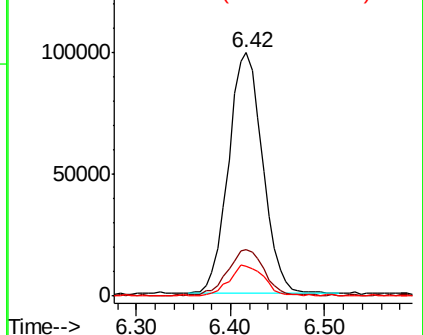
87 13.3 9.8 14.6

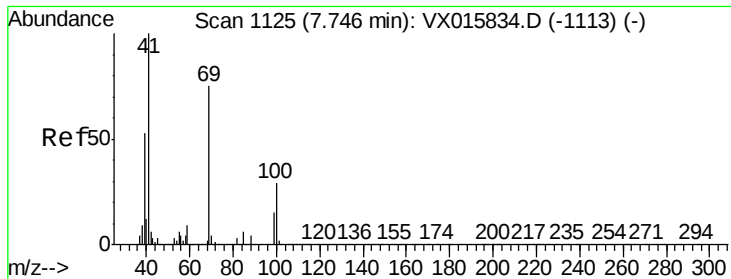


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

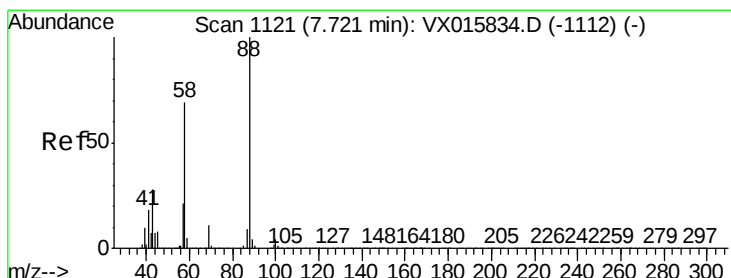
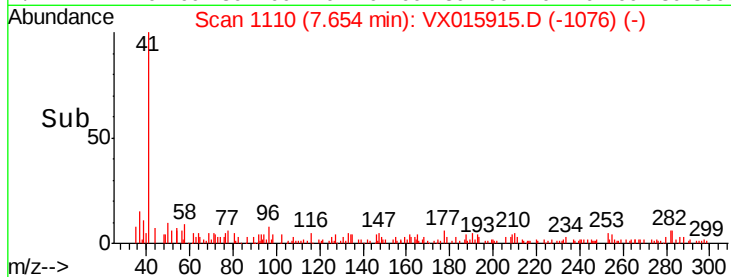
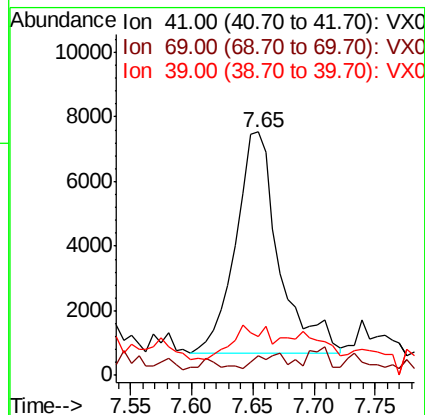
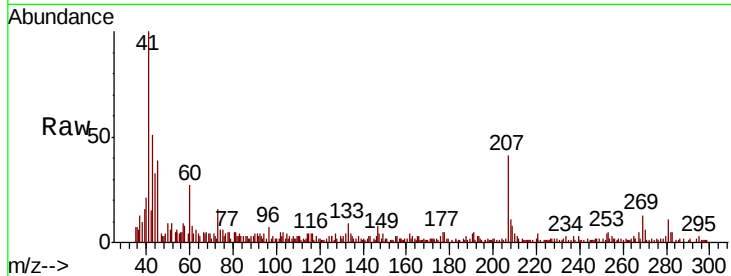




#48
Methvl methacrylate
Concen: 1.427 ug/l
RT: 7.65 min Scan# 1110
Delta R.T. -0.09 min
Lab File: VX015915.D
Acq: 24 Apr 2020 01:19

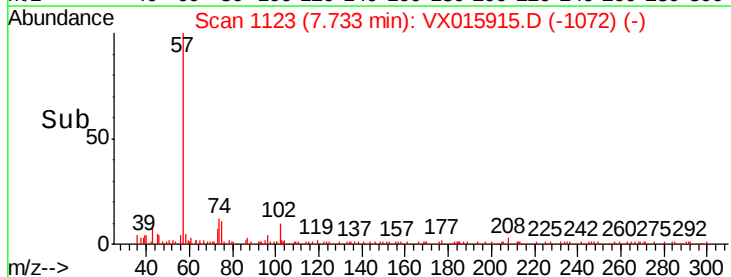
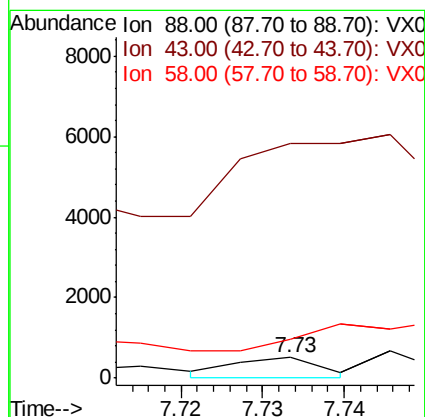
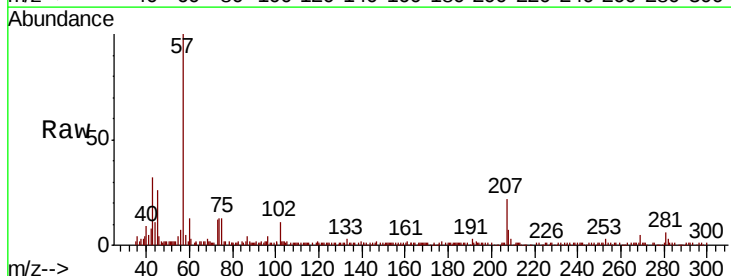
Instrument :
MSVOA_X
ClientSampleId :
30964

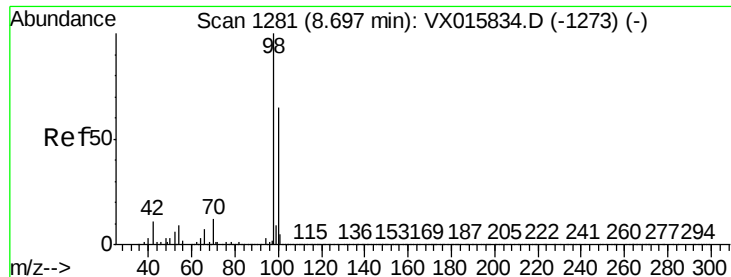
Tot Ion: 41 Resp: 16917
Ion Ratio Lower Upper
41 100
69 4.7 60.5 90.7#
39 0.0 42.1 63.1#



#49
1,4-Dioxane
Concen: 1.723 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX015915.D
Acq: 24 Apr 2020 01:19

Tgt Ion: 88 Resp: 386
Ion Ratio Lower Upper
88 100
43 0.0 28.2 42.4#
58 0.0 58.9 88.3#

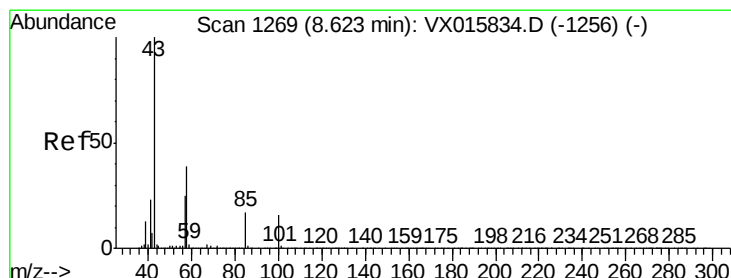
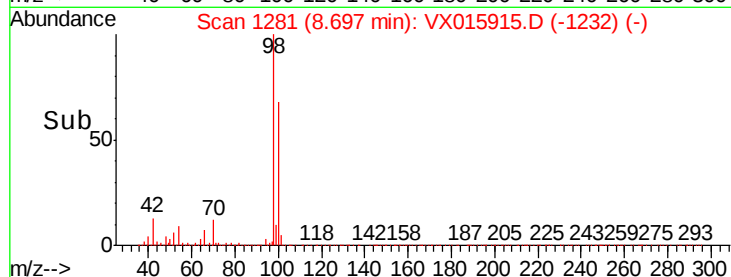
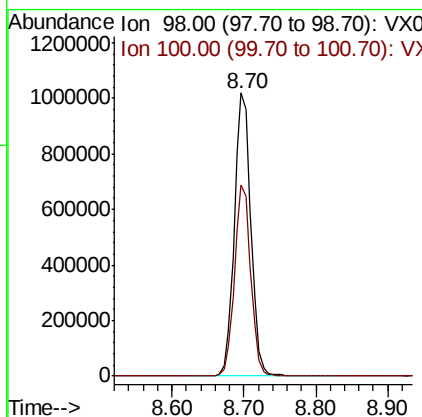
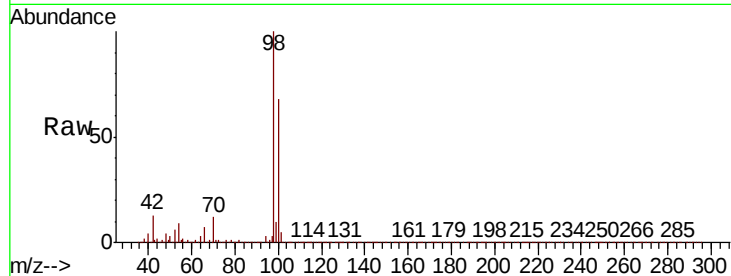




#50
Toluene-d8
Concen: 51.846 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015915.D
Acq: 24 Apr 2020 01:19

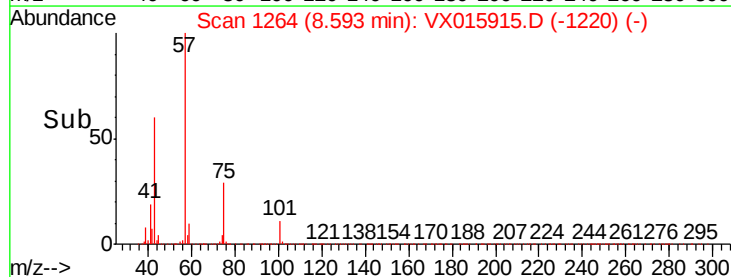
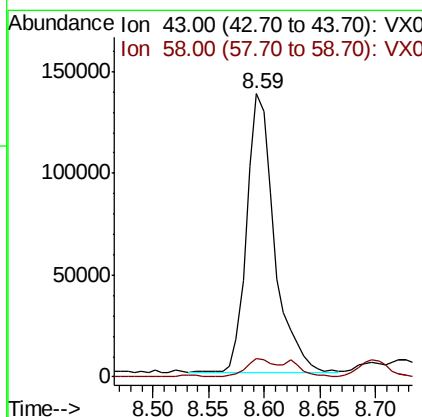
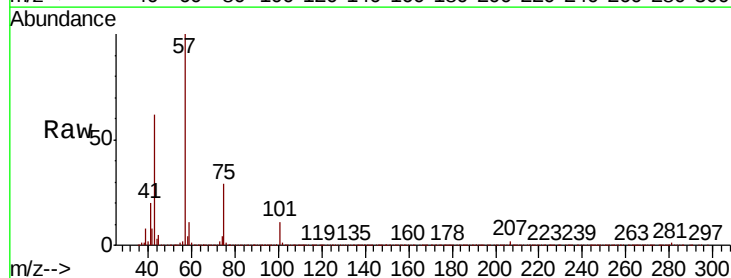
Instrument :
MSVOA_X
ClientSampleId :
30964

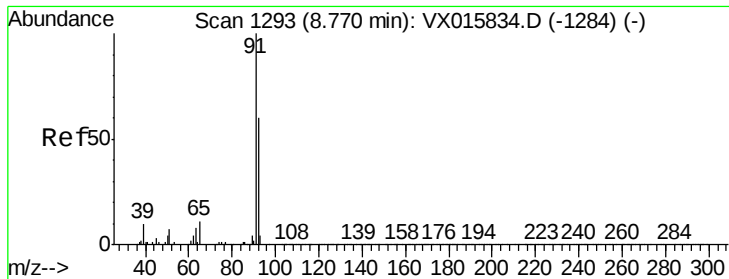
Tot Ion: 98 Resp: 1631140
Ion Ratio Lower Upper
98 100
100 66.4 53.8 80.6



#51
4-Methyl-2-Pentanone
Concen: 16.916 ug/l
RT: 8.59 min Scan# 1264
Delta R.T. -0.03 min
Lab File: VX015915.D
Acq: 24 Apr 2020 01:19

Tgt Ion: 43 Resp: 235281
Ion Ratio Lower Upper
43 100
58 6.3 30.6 45.8#





#52

Toluene

Concen: 0.262 ug/l

RT: 8.77 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX015915.D

Acq: 24 Apr 2020 01:19

Instrument :

MSVOA_X

ClientSampleId :

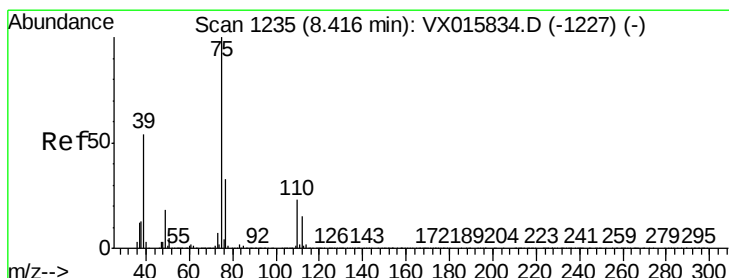
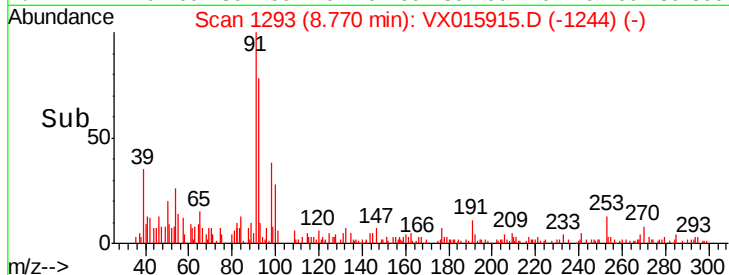
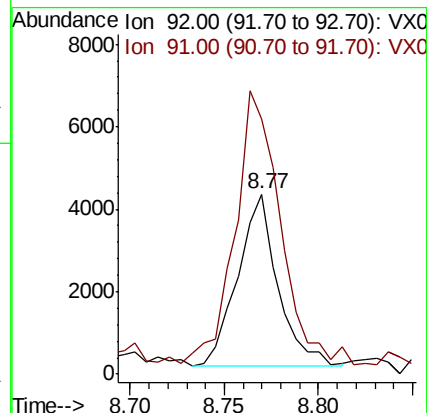
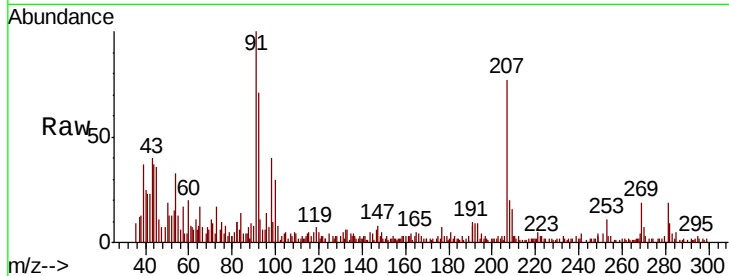
30964

Tot Ion: 92 Resp: 6082

Ion Ratio Lower Upper

92 100

91 183.6 133.4 200.0



#54

cis-1,3-Dichloropropene

Concen: 6.204 ug/l

RT: 8.59 min Scan# 1264

Delta R.T. 0.18 min

Lab File: VX015915.D

Acq: 24 Apr 2020 01:19

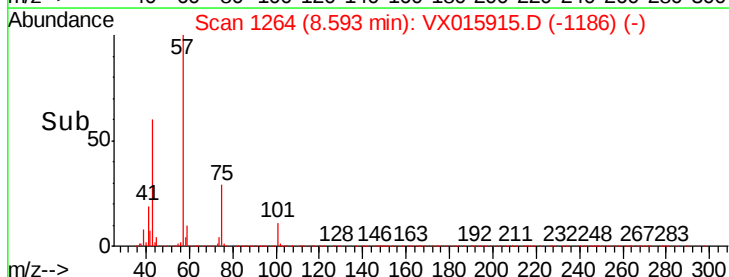
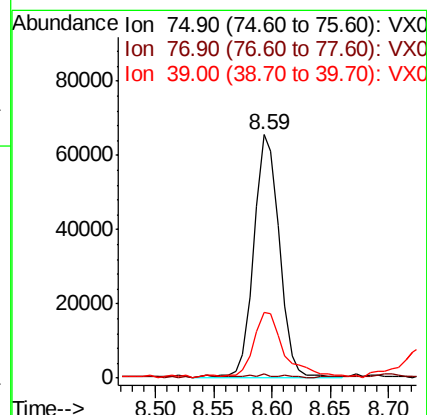
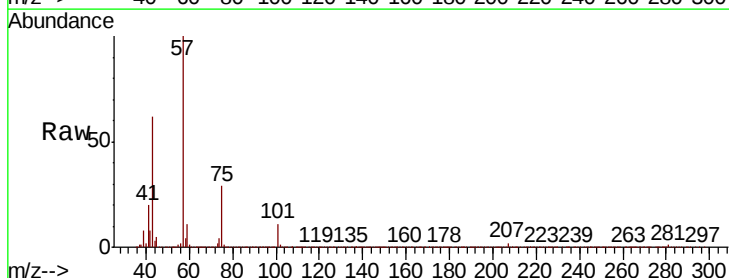
Tgt Ion: 75 Resp: 100097

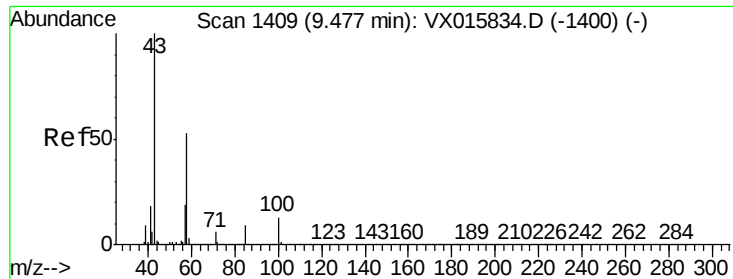
Ion Ratio Lower Upper

75 100

77 1.7 26.0 39.0#

39 27.2 42.8 64.2#

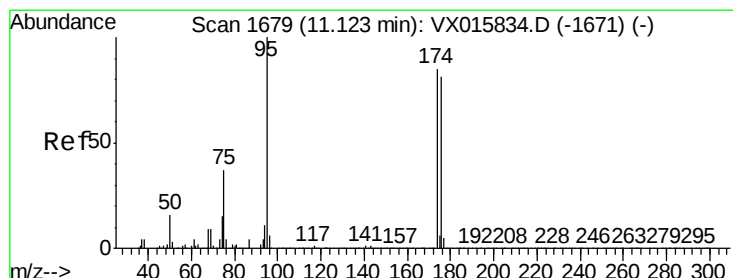
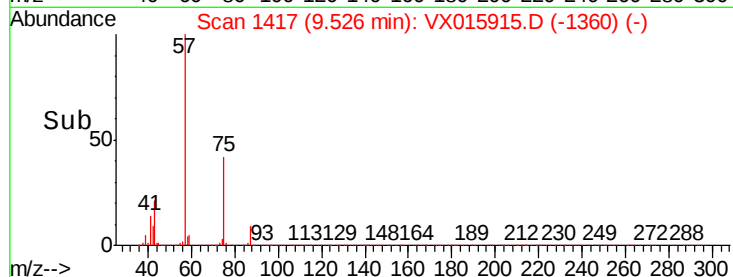
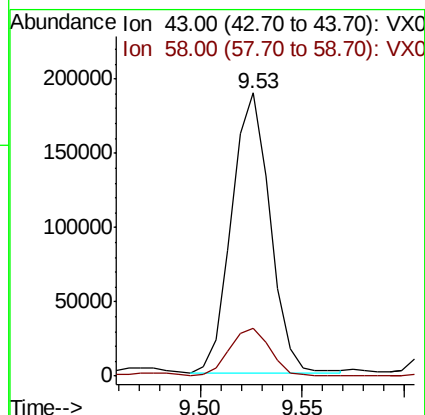
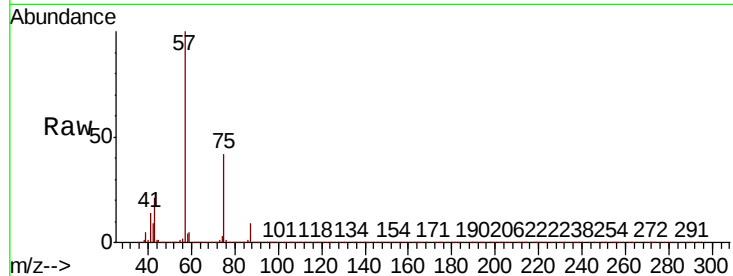




#59
2-Hexanone
Concen: 23.148 ug/l
RT: 9.53 min Scan# 1417
Delta R.T. 0.05 min
Lab File: VX015915.D
Acq: 24 Apr 2020 01:19

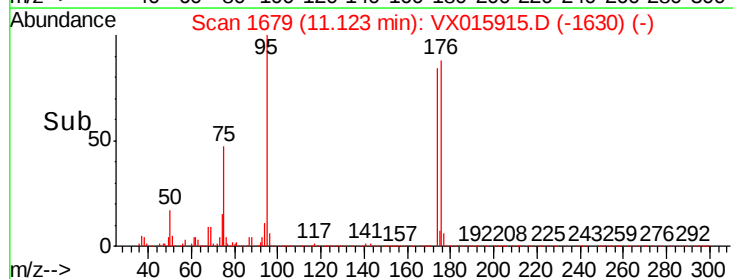
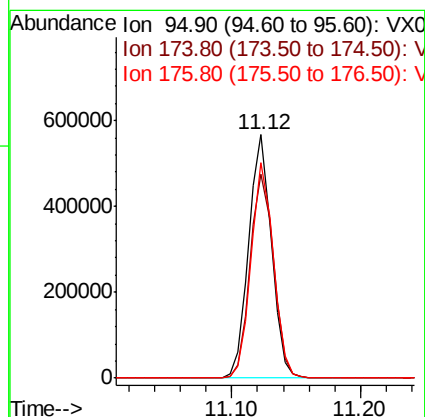
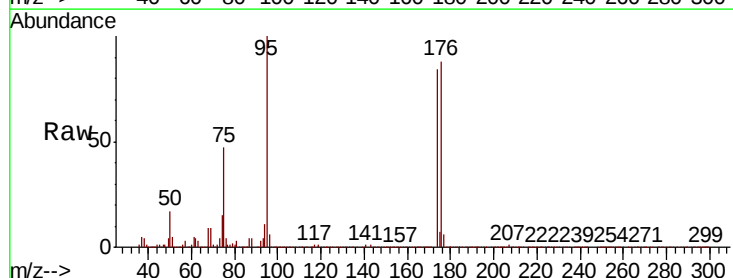
Instrument :
MSVOA_X
ClientSampleId :
30964

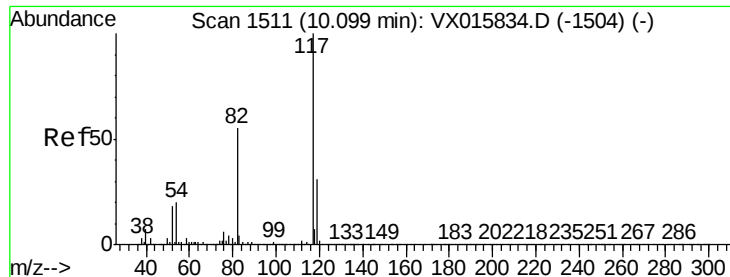
Tot Ion: 43 Resp: 245266
Ion Ratio Lower Upper
43 100
58 18.7 26.5 79.4#



#62
4-Bromofluorobenzene
Concen: 53.051 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015915.D
Acq: 24 Apr 2020 01:19

Tgt Ion: 95 Resp: 684688
Ion Ratio Lower Upper
95 100
174 86.8 0.0 172.4
176 86.9 0.0 167.0

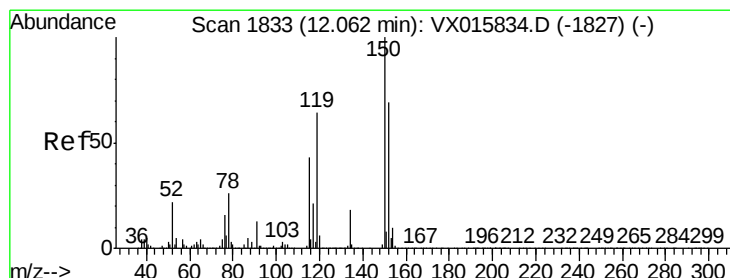
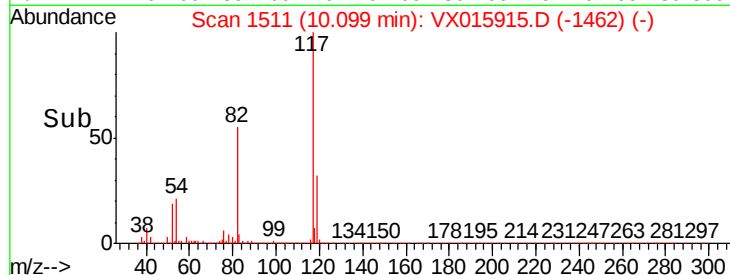
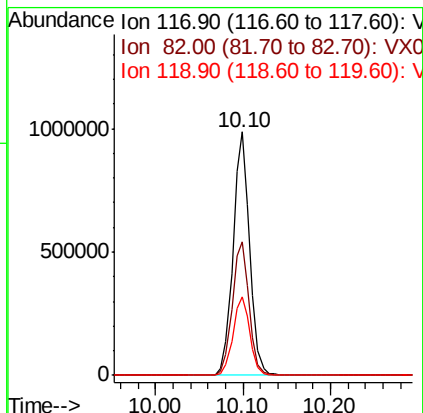
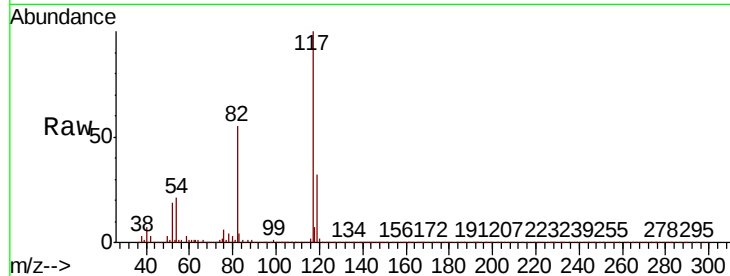




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015915.D
Acq: 24 Apr 2020 01:19

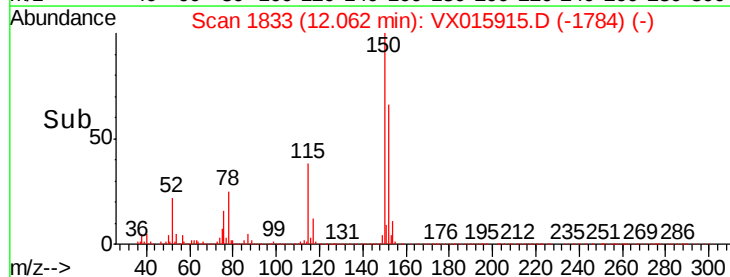
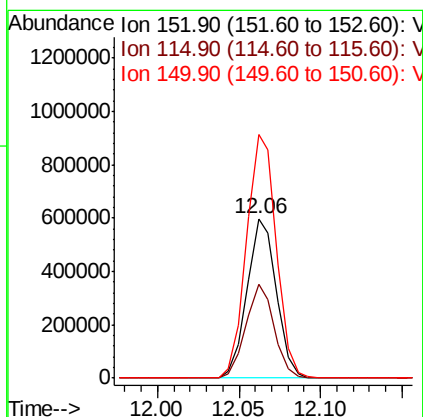
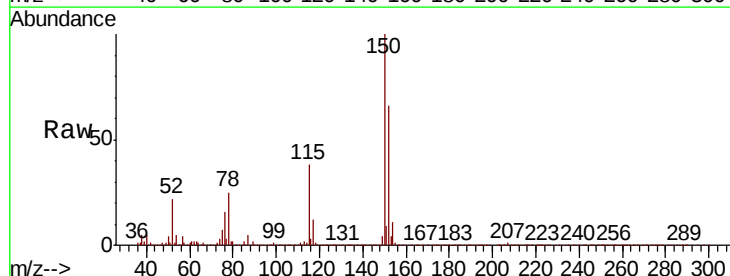
Instrument :
MSVOA_X
ClientSampleId :
30964

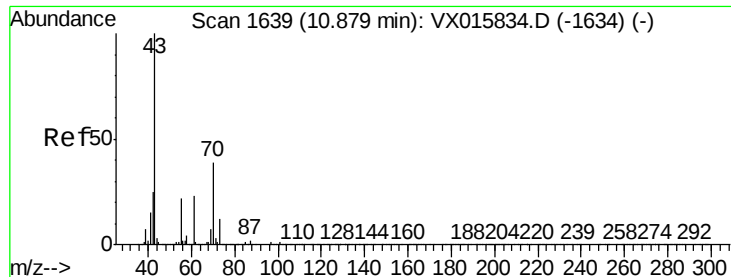
Tot Ion:117 Resp: 1305312
Ion Ratio Lower Upper
117 100
82 55.0 43.9 65.9
119 32.2 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015915.D
Acq: 24 Apr 2020 01:19

Tgt Ion:152 Resp: 750888
Ion Ratio Lower Upper
152 100
115 56.7 39.0 116.9
150 155.0 0.0 336.8





#74

N-amvl acetate

Concen: 0.643 ug/l

RT: 10.81 min Scan# 1627

Delta R.T. -0.07 min

Lab File: VX015915.D

Acq: 24 Apr 2020 01:19

Instrument :

MSVOA_X

ClientSampleId :

30964

Tot Ion: 43 Resp: 15820

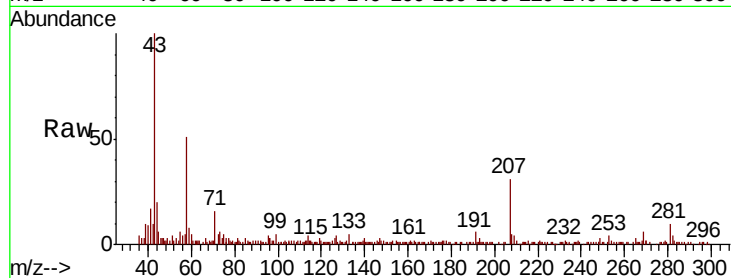
Ion Ratio Lower Upper

43 100

70 0.0 32.6 49.0#

55 7.4 18.3 27.5#

61 0.0 18.7 28.1#

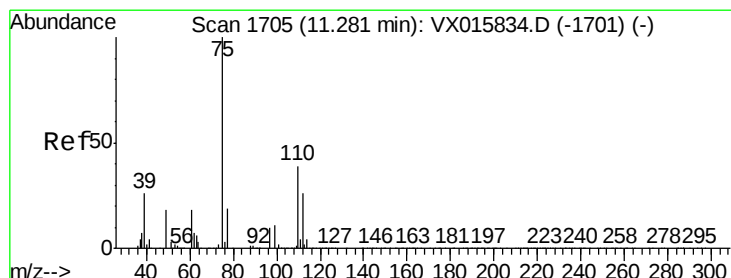
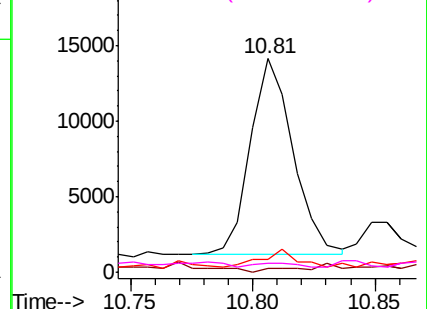
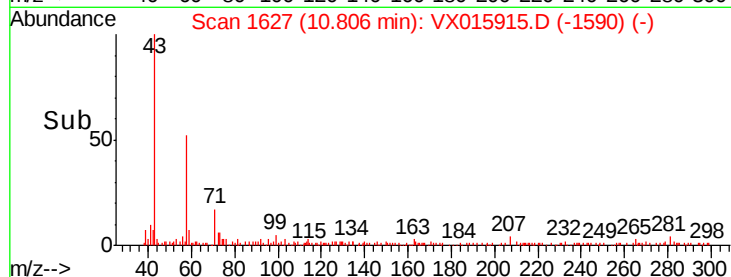


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 23.581 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015915.D

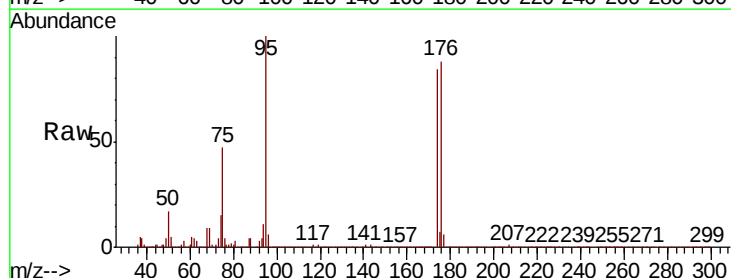
Acq: 24 Apr 2020 01:19

Tgt Ion: 75 Resp: 336699

Ion Ratio Lower Upper

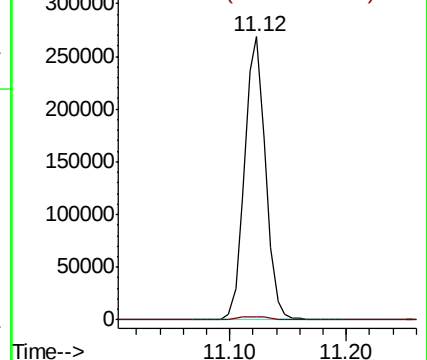
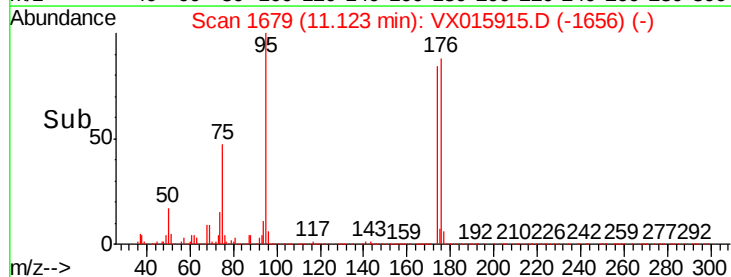
75 100

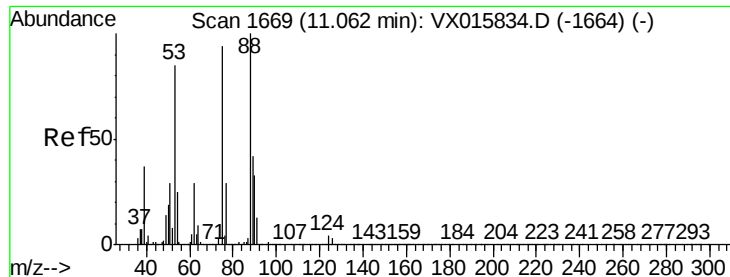
77 1.8 21.3 63.9#



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: 56.724 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015915.D

Acq: 24 Apr 2020 01:19

Instrument :

MSVOA_X

ClientSampleId :

30964

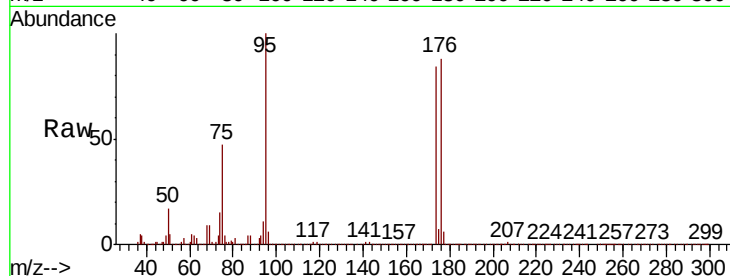
Tot Ion: 75 Resp: 336699

Ion Ratio Lower Upper

75 100

53 0.6 74.2 111.2#

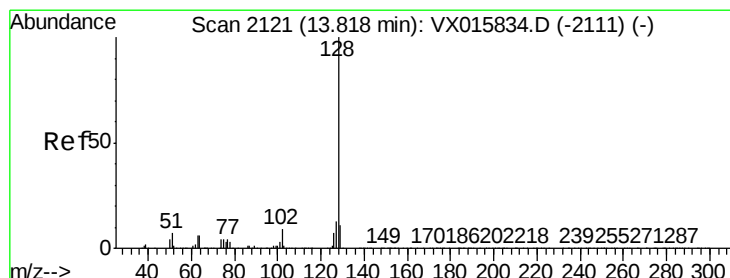
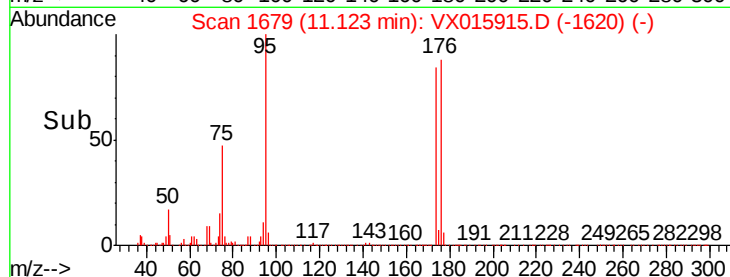
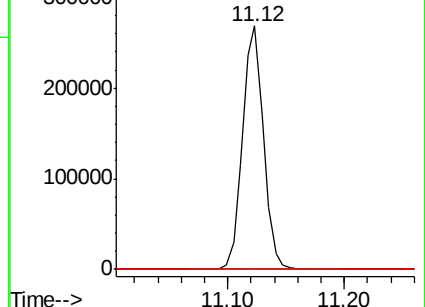
89 0.2 38.0 57.0#



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



#95

Naphthalene

Concen: 0.255 ug/l

RT: 13.82 min Scan# 2121

Delta R.T. 0.00 min

Lab File: VX015915.D

Acq: 24 Apr 2020 01:19

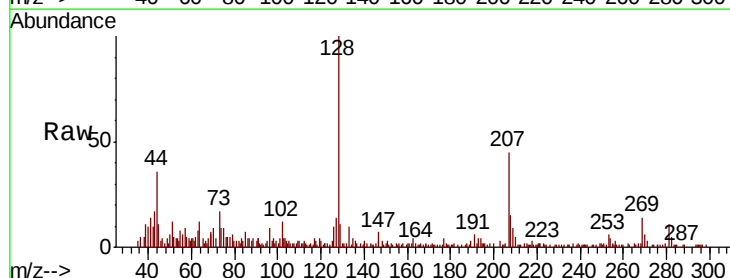
Tgt Ion: 128 Resp: 13126

Ion Ratio Lower Upper

128 100

127 17.6 10.5 15.7#

129 14.1 8.5 12.7#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

