

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042320\
 Data File : VX015895.D
 Acq On : 23 Apr 2020 17:01
 Operator : JC/SP
 Sample : L2403-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0237

Quant Time: Apr 24 03:32:54 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	5.64	168	853942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1284809	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1279387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	738720	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	467758	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	
35) Dibromofluoromethane	5.47	113	377303	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
50) Toluene-d8	8.70	98	1565334	52.43	ug/l	0.00
Spiked Amount			Recovery	=	104.86%	
62) 4-Bromofluorobenzene	11.12	95	679485	55.48	ug/l	0.00
Spiked Amount			Recovery	=	110.96%	

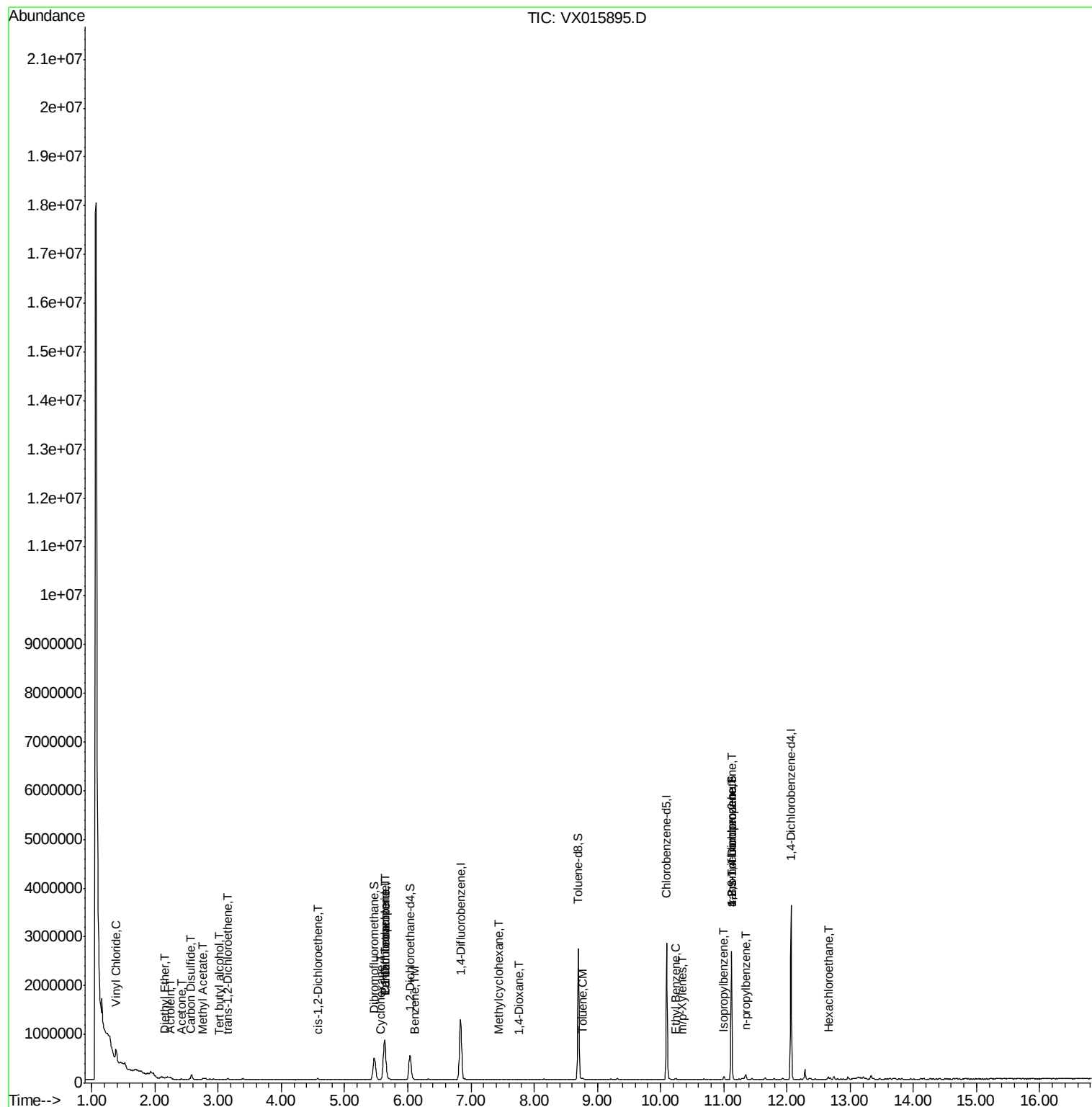
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	53304	6.152	ug/l	95
8) Diethyl Ether	2.16	74	916	0.210	ug/l	69
11) Tert butyl alcohol	3.01	59	2063	1.040	ug/l #	73
13) Acrolein	2.25	56	348	0.296	ug/l #	1
16) Acetone	2.42	43	8600	2.034	ug/l #	85
17) Carbon Disulfide	2.55	76	14258	0.525	ug/l #	95
18) Methyl Acetate	2.75	43	5382	0.385	ug/l #	79
21) trans-1,2-Dichloroethene	3.16	96	2539	0.306	ug/l #	73
27) cis-1,2-Dichloroethene	4.58	96	12006	1.274	ug/l	93
31) Cyclohexane	5.56	56	2897	0.204	ug/l #	68
36) 1,1-Dichloropropene	5.64	75	57618	5.059	ug/l #	51
38) Carbon Tetrachloride	5.64	117	74442	6.635	ug/l #	17
39) Methylcyclohexane	7.44	83	3490	0.242	ug/l #	88
40) Benzene	6.12	78	10424	0.304	ug/l #	89
49) 1,4-Dioxane	7.76	88	356	1.675	ug/l #	33
52) Toluene	8.76	92	8329	0.379	ug/l	89
67) Ethyl Benzene	10.23	91	11030	0.246	ug/l	89
68) m/p-Xylenes	10.34	106	3971	0.235	ug/l #	51
73) Isopropylbenzene	11.00	105	28968	0.617	ug/l	96
76) 1,2,3-Trichloropropane	11.12	75	329939	23.488	ug/l #	35
78) n-propylbenzene	11.34	91	54856	1.021	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.12	75	329939	56.500	ug/l #	12
90) Hexachloroethane	12.65	117	2566	0.555	ug/l #	4

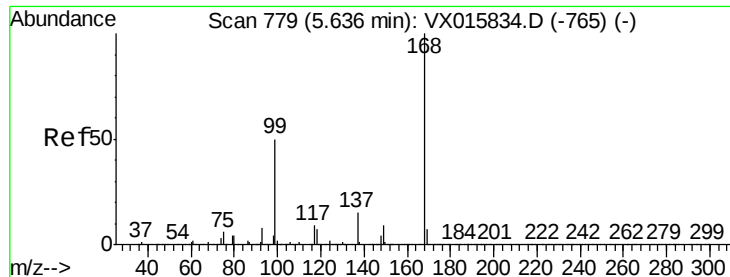
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042320\
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Quant Time: Apr 24 03:32:54 2020
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: 5.64 min Scan# 779

Delta R.T. 0.00 min

Lab File: VX015895.D

Acq: 23 Apr 2020 17:01

Instrument :

MSVOA_X

ClientSampleId :

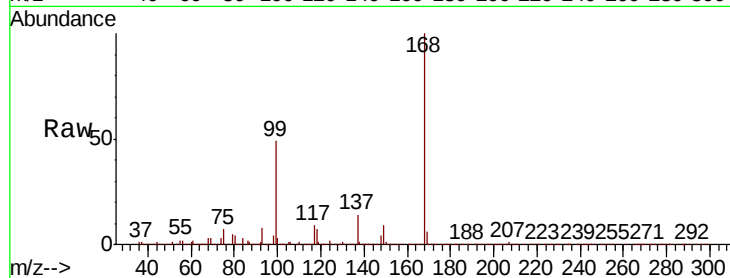
S73-0237

Tot Ion:168 Resp: 853942

Ion Ratio Lower Upper

168 100

99 49.4 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

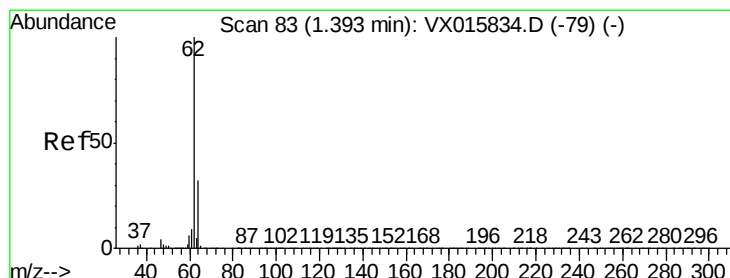
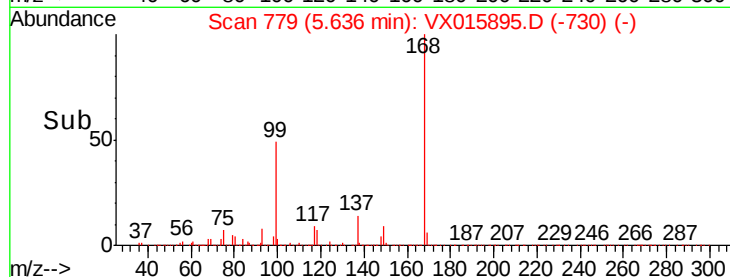
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 6.152 ug/l

RT: 1.39 min Scan# 83

Delta R.T. 0.00 min

Lab File: VX015895.D

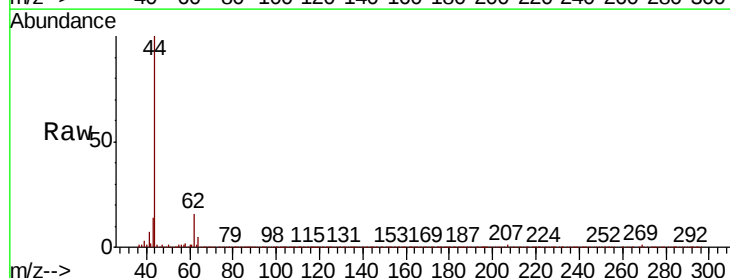
Acq: 23 Apr 2020 17:01

Tgt Ion: 62 Resp: 53304

Ion Ratio Lower Upper

62 100

64 28.8 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

60000

50000

40000

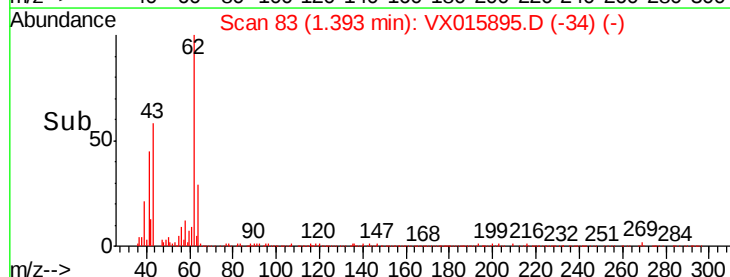
30000

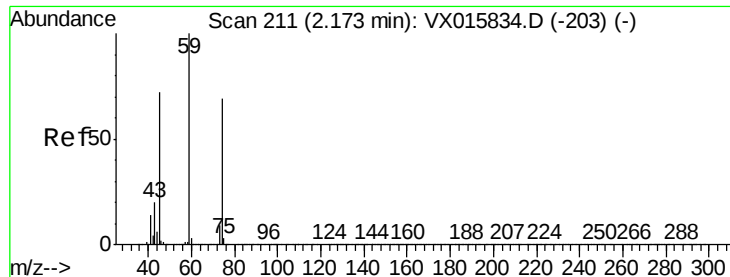
20000

10000

0

Time-->





#8

Diethyl Ether

Concen: 0.210 ug/l

RT: 2.16 min Scan# 208

Delta R.T. -0.02 min

Lab File: VX015895.D

Acq: 23 Apr 2020 17:01

Instrument :

MSVOA_X

ClientSampleId :

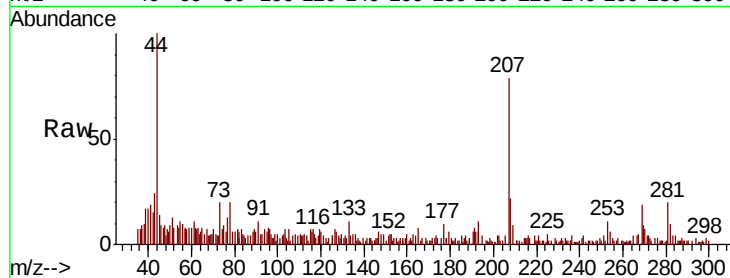
S73-0237

Tot Ion: 74 Resp: 916

Ion Ratio Lower Upper

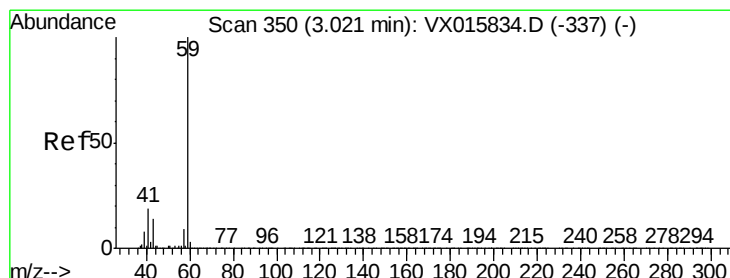
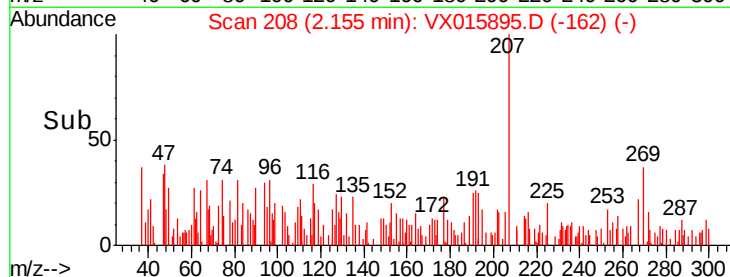
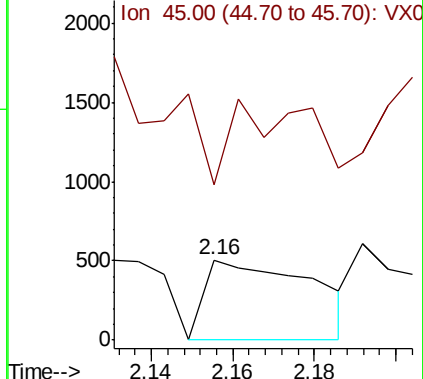
74 100

45 74.9 53.8 161.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: 1.040 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.01 min

Lab File: VX015895.D

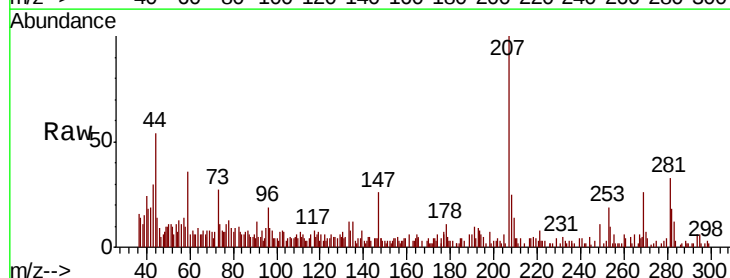
Acq: 23 Apr 2020 17:01

Tgt Ion: 59 Resp: 2063

Ion Ratio Lower Upper

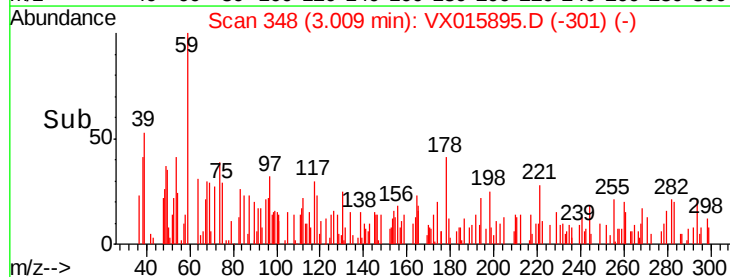
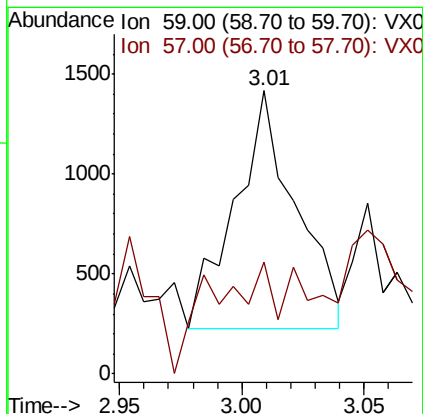
59 100

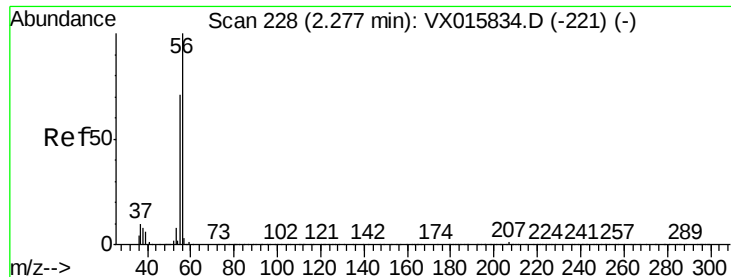
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.296 ug/l

RT: 2.25 min Scan# 223

Delta R.T. -0.03 min

Lab File: VX015895.D

Acq: 23 Apr 2020 17:01

Instrument :

MSVOA_X

ClientSampleId :

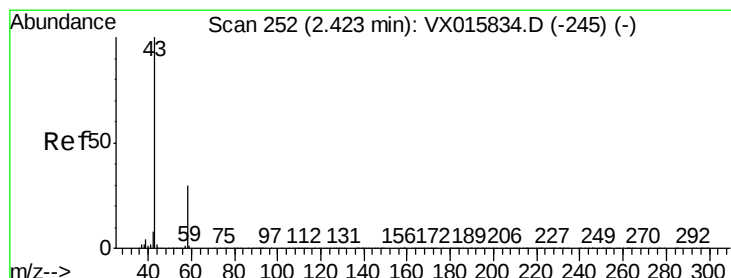
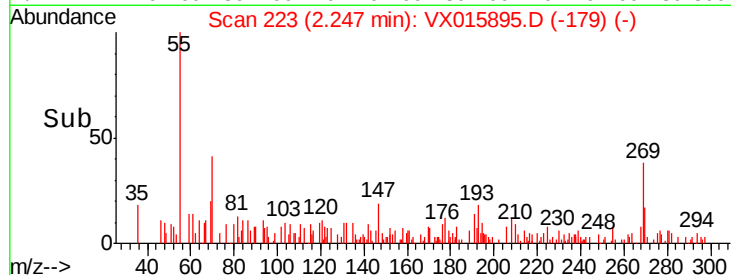
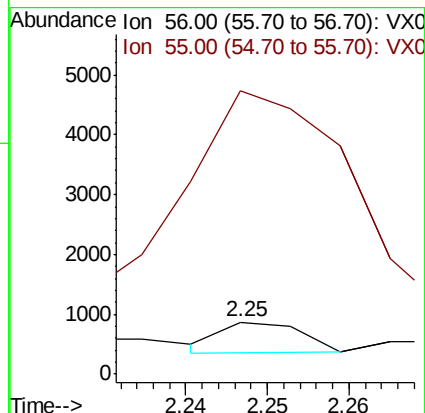
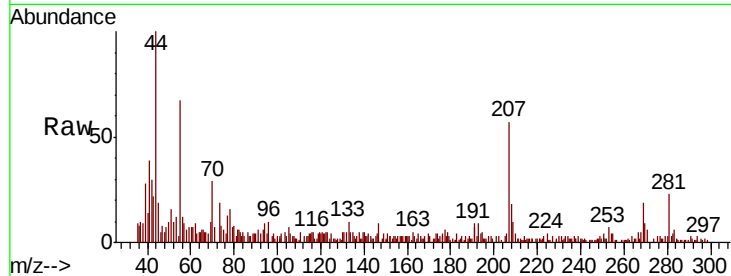
S73-0237

Tot Ion: 56 Resp: 348

Ion Ratio Lower Upper

56 100

55 2000.0 56.1 84.1#



#16

Acetone

Concen: 2.034 ug/l

RT: 2.42 min Scan# 251

Delta R.T. -0.01 min

Lab File: VX015895.D

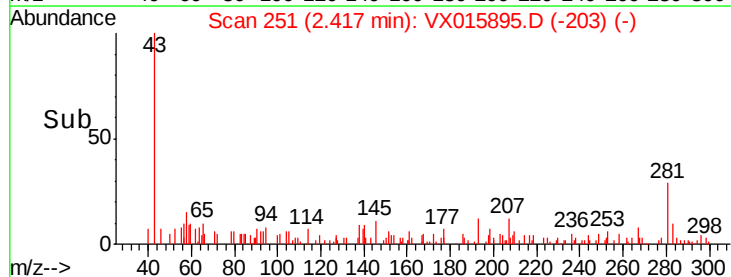
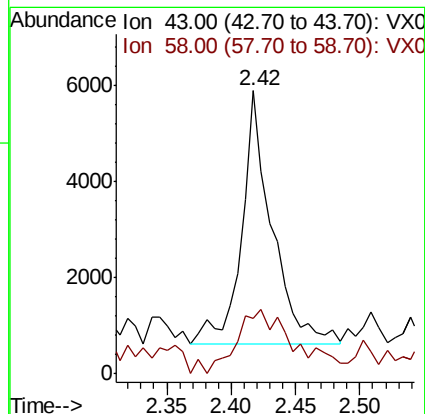
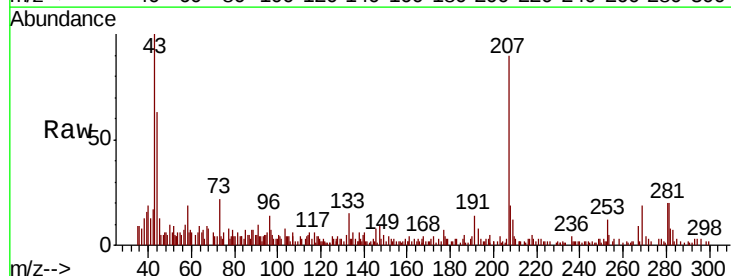
Acq: 23 Apr 2020 17:01

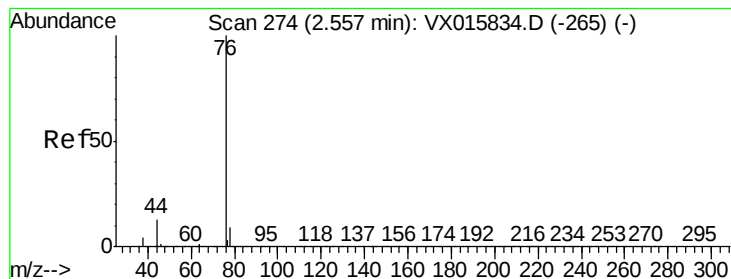
Tgt Ion: 43 Resp: 8600

Ion Ratio Lower Upper

43 100

58 21.7 24.0 36.0#





#17

Carbon Disulfide

Concen: 0.525 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX015895.D

Acq: 23 Apr 2020 17:01

Instrument :

MSVOA_X

ClientSampleId :

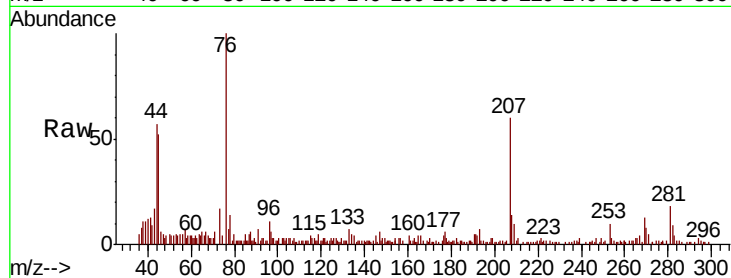
S73-0237

Tot Ion: 76 Resp: 14258

Ion Ratio Lower Upper

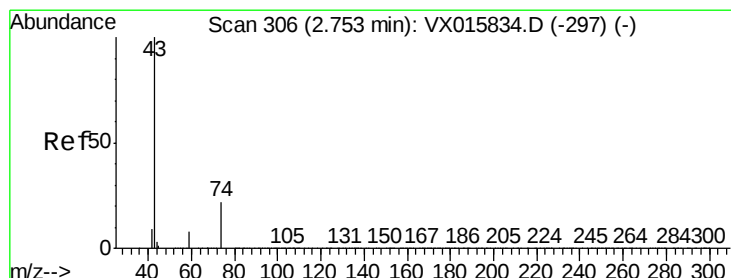
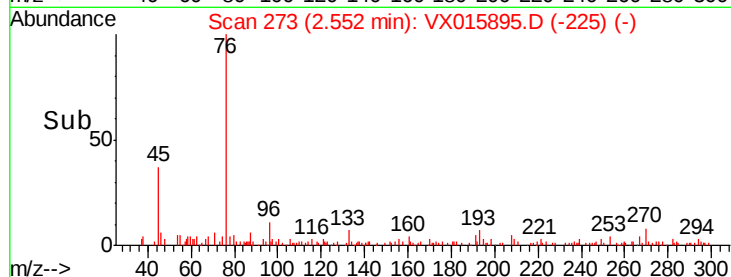
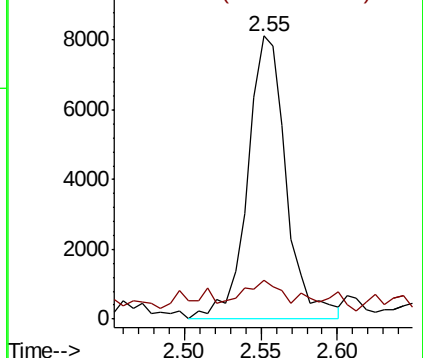
76 100

78 7.4 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.385 ug/l

RT: 2.75 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX015895.D

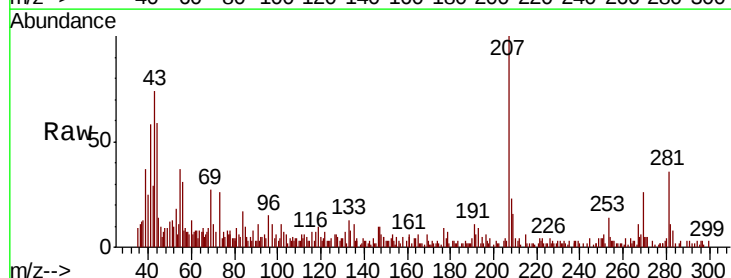
Acq: 23 Apr 2020 17:01

Tgt Ion: 43 Resp: 5382

Ion Ratio Lower Upper

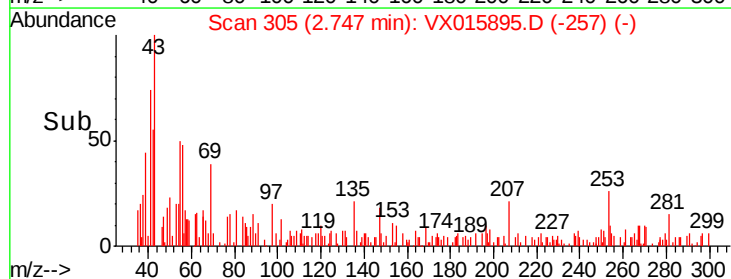
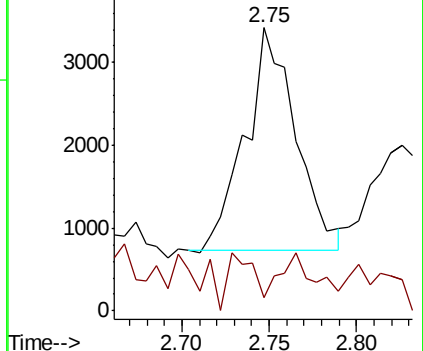
43 100

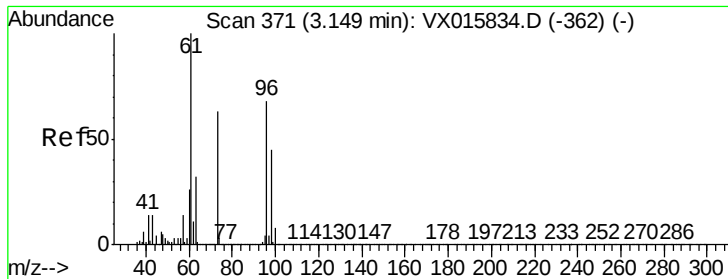
74 12.2 17.9 26.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#21

trans-1,2-Dichloroethene

Concen: 0.306 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX015895.D

Acq: 23 Apr 2020 17:01

Instrument :

MSVOA_X

ClientSampleId :

S73-0237

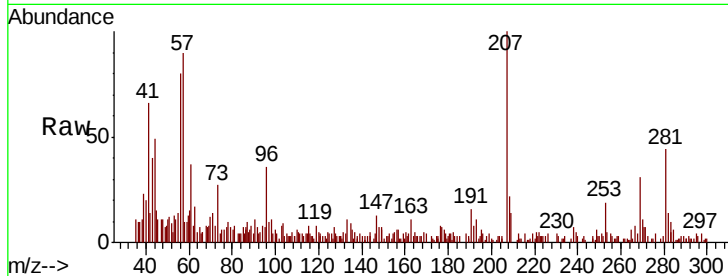
Tot Ion: 96 Resp: 2539

Ion Ratio Lower Upper

96 100

61 108.2 117.5 176.3#

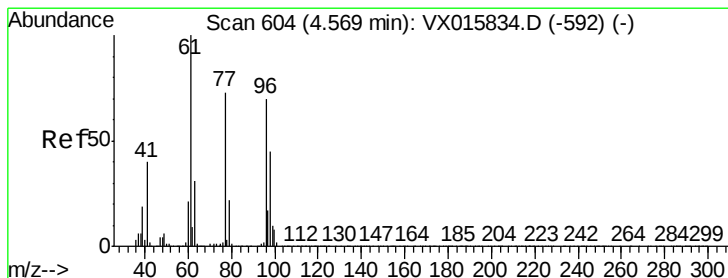
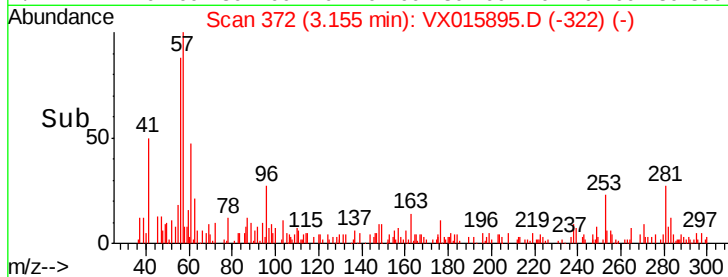
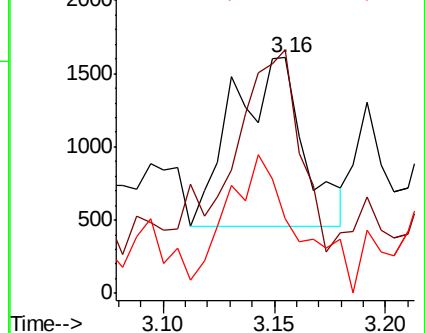
98 50.3 52.7 79.1#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 1.274 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX015895.D

Acq: 23 Apr 2020 17:01

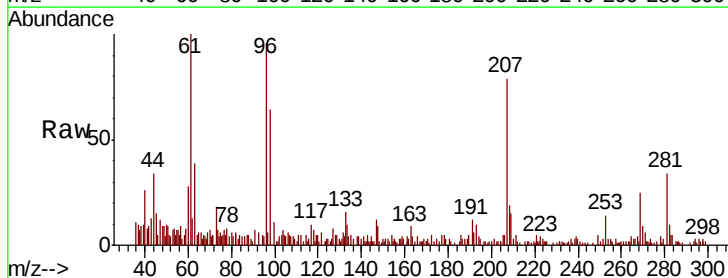
Tgt Ion: 96 Resp: 12006

Ion Ratio Lower Upper

96 100

61 146.2 0.0 299.4

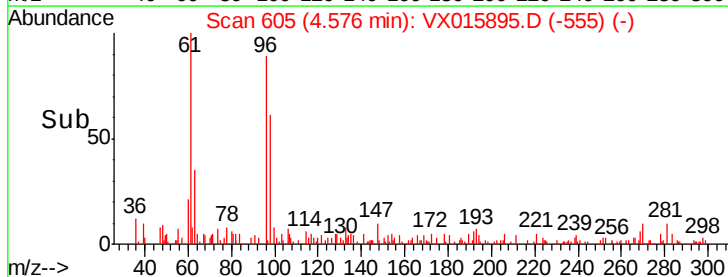
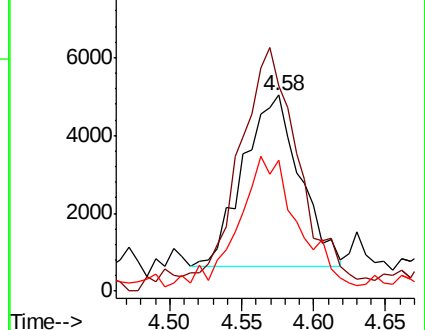
98 76.8 0.0 129.6

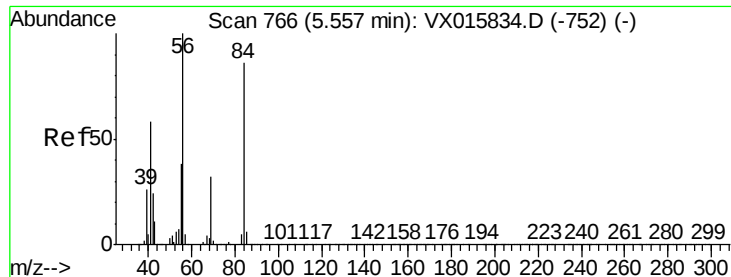


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

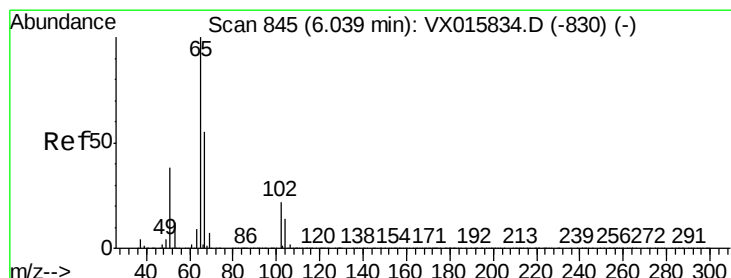
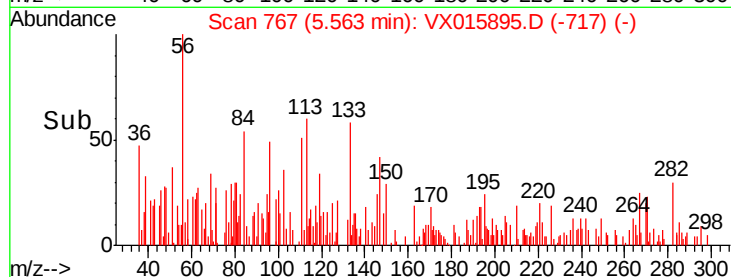
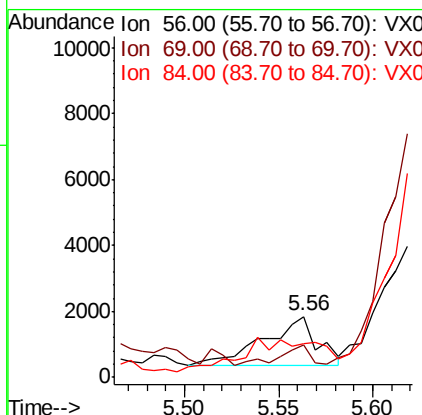
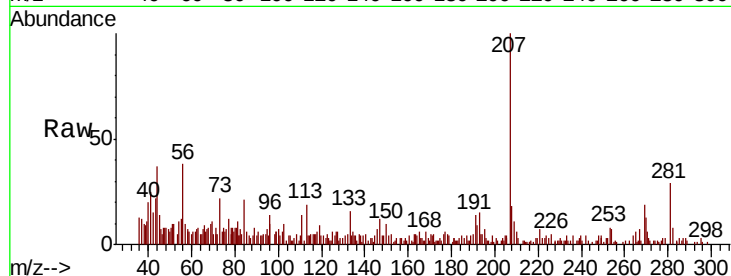




#31
Cyclohexane
Concen: 0.204 ug/l
RT: 5.56 min Scan# 767
Delta R.T. 0.01 min
Lab File: VX015895.D
Acq: 23 Apr 2020 17:01

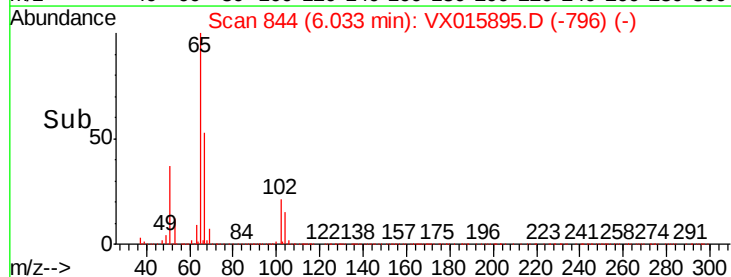
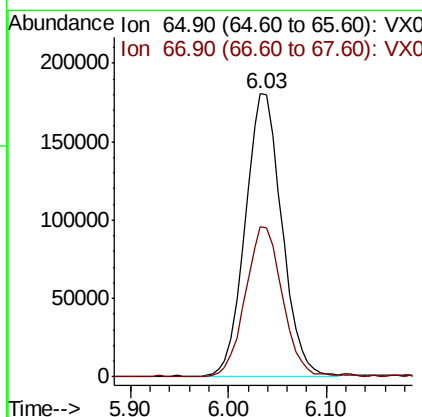
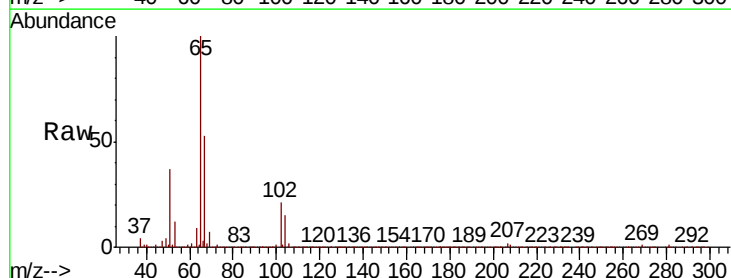
Instrument :
MSVOA_X
ClientSampled :
S73-0237

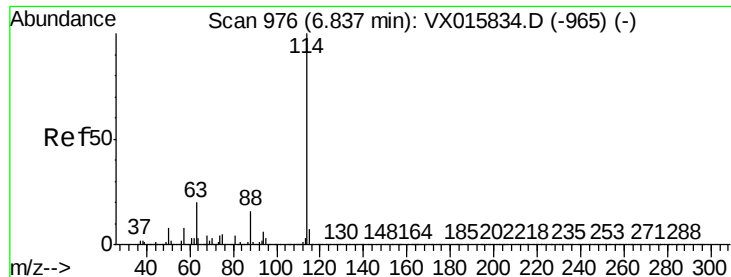
Tot Ion: 56 Resp: 2897
Ion Ratio Lower Upper
56 100
69 29.1 25.3 37.9
84 47.3 69.1 103.7#



#33
1,2-Dichloroethane-d4
Concen: 48.161 ug/l
RT: 6.03 min Scan# 844
Delta R.T. -0.01 min
Lab File: VX015895.D
Acq: 23 Apr 2020 17:01

Tgt Ion: 65 Resp: 467758
Ion Ratio Lower Upper
65 100
67 53.5 0.0 104.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015895.D

Acq: 23 Apr 2020 17:01

Instrument :

MSVOA_X

ClientSampleId :

S73-0237

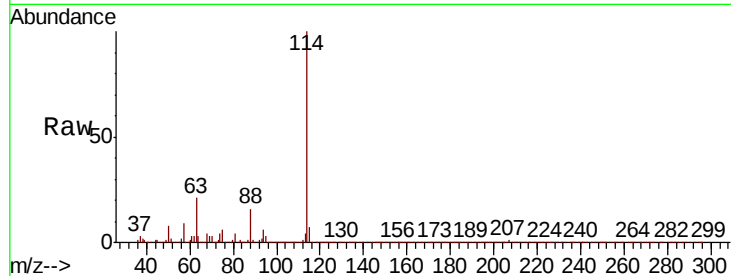
Tot Ion:114 Resp: 1284809

Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.6

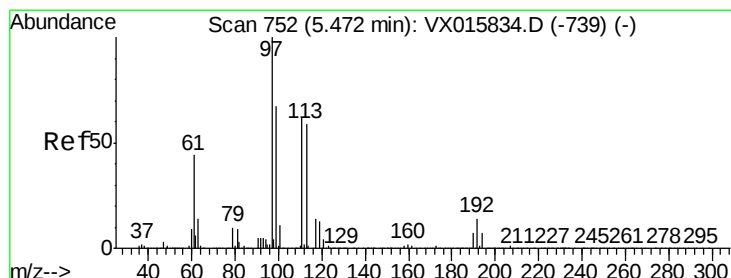
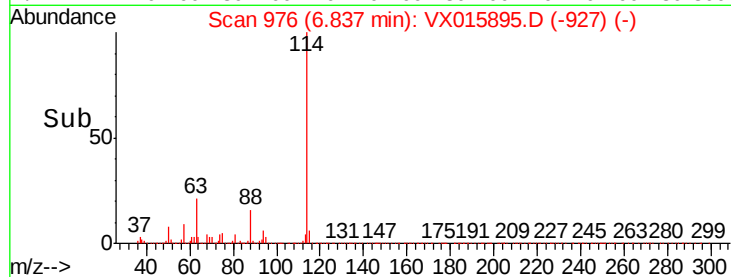
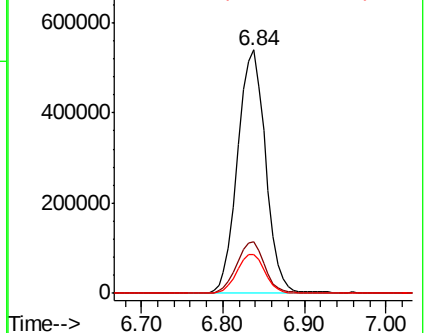
88 15.7 0.0 32.8



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



#35

Dibromofluoromethane

Concen: 50.875 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015895.D

Acq: 23 Apr 2020 17:01

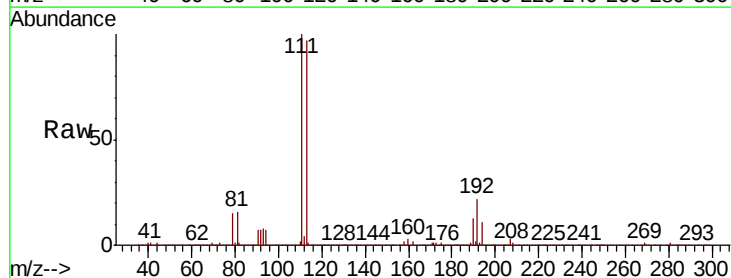
Tgt Ion:113 Resp: 377303

Ion Ratio Lower Upper

113 100

111 102.3 82.7 124.1

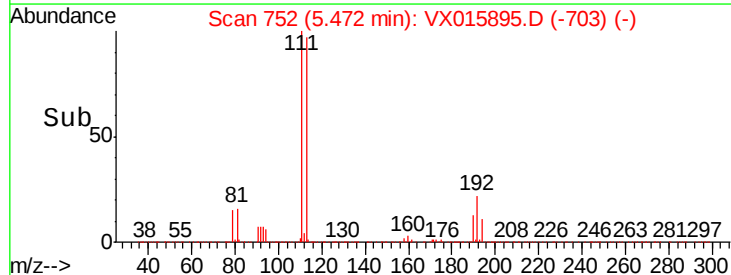
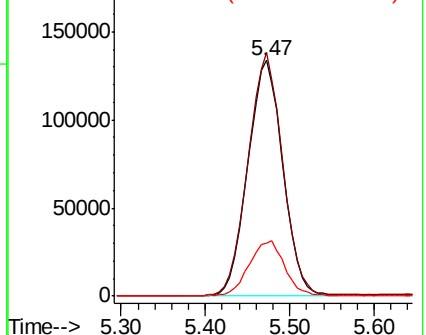
192 23.7 19.3 28.9

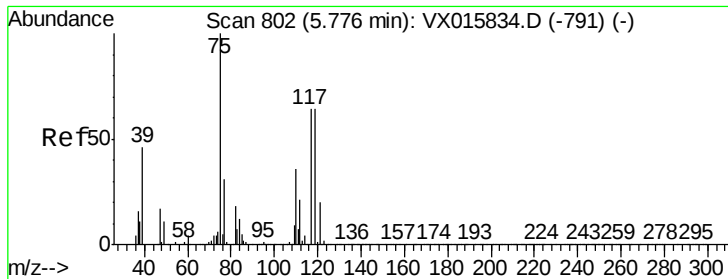


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

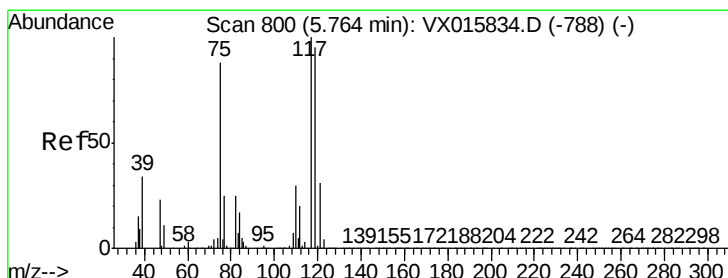
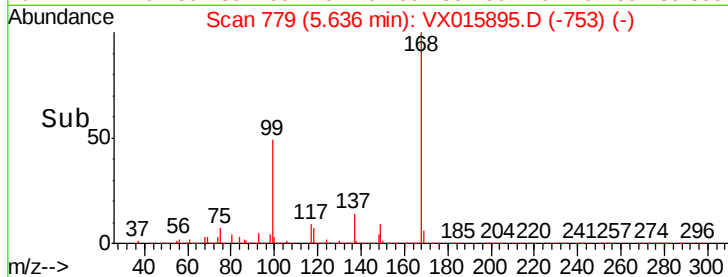
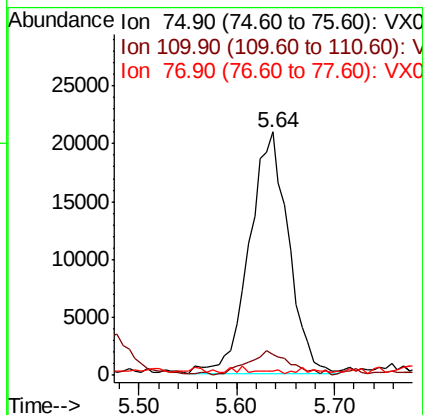
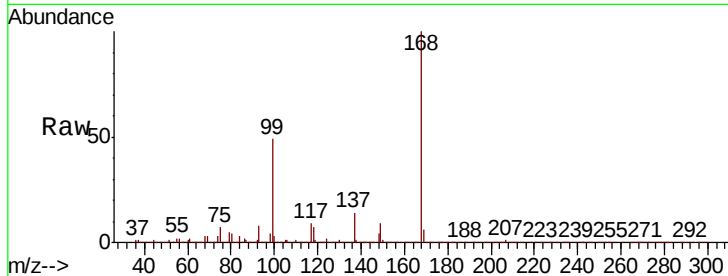




#36
 1,1-Dichloropropene
 Concen: 5.059 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.14 min
 Lab File: VX015895.D
 Acq: 23 Apr 2020 17:01

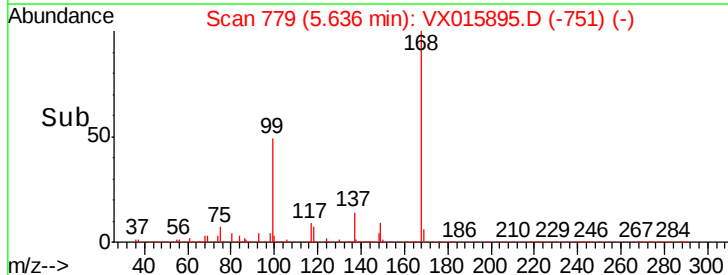
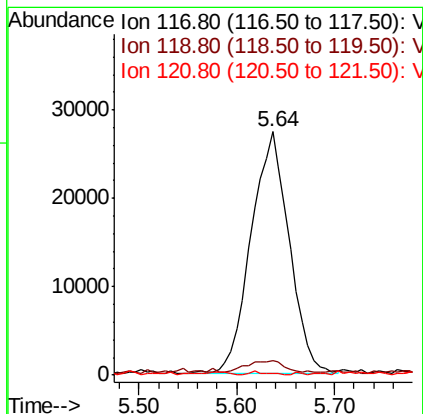
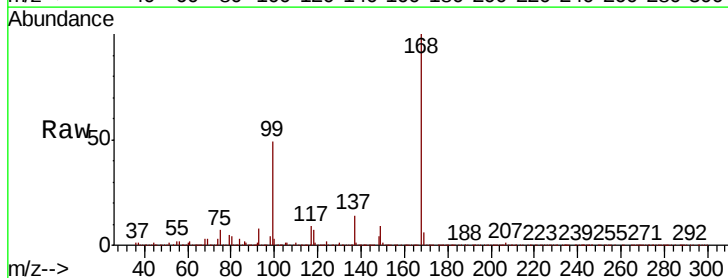
Instrument :
 MSVOA_X
 ClientSampled :
 S73-0237

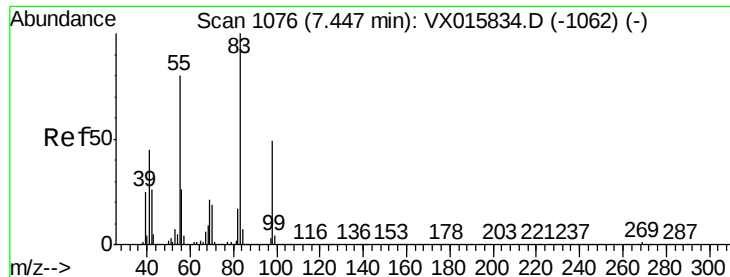
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.0	17.9	53.8#
77	0.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.635 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.13 min
 Lab File: VX015895.D
 Acq: 23 Apr 2020 17:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	75.7	113.5#
121	0.1	25.0	37.6#





#39

Methvlcvclohexane

Concen: 0.242 ug/l

RT: 7.44 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VX015895.D

Acq: 23 Apr 2020 17:01

Instrument :

MSVOA_X

ClientSampleId :

S73-0237

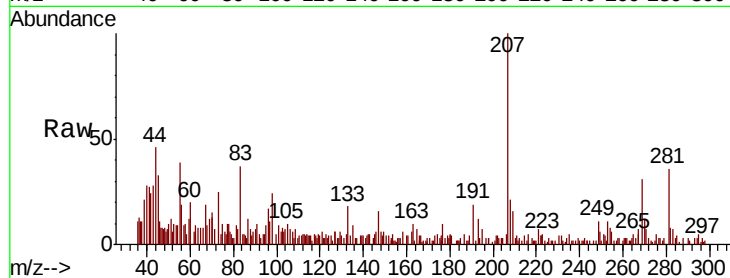
Tot Ion: 83 Resp: 3490

Ion Ratio Lower Upper

83 100

55 87.3 64.2 96.4

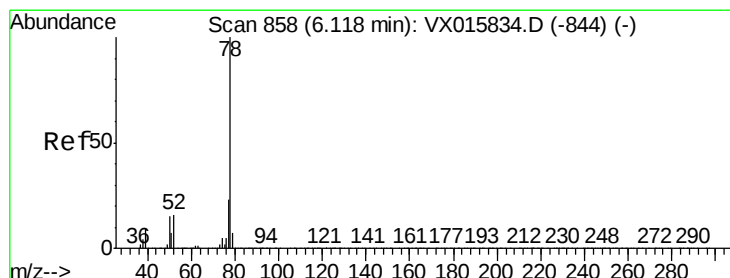
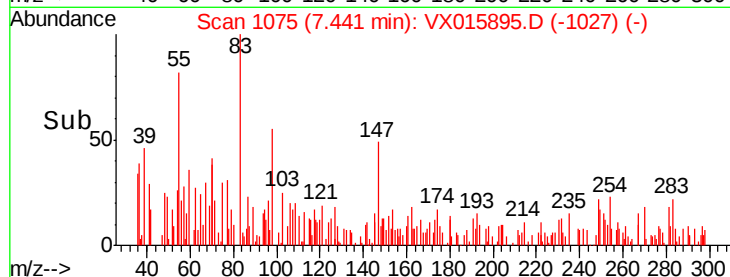
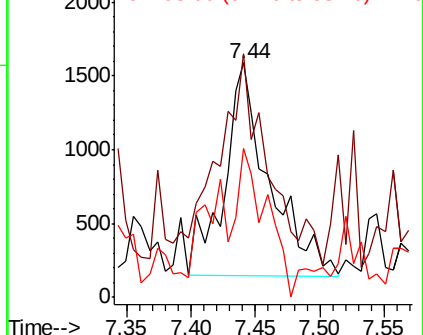
98 61.3 39.3 58.9#



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#40

Benzene

Concen: 0.304 ug/l

RT: 6.12 min Scan# 858

Delta R.T. 0.00 min

Lab File: VX015895.D

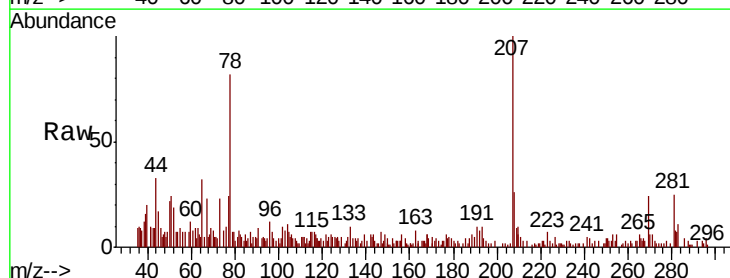
Acq: 23 Apr 2020 17:01

Tgt Ion: 78 Resp: 10424

Ion Ratio Lower Upper

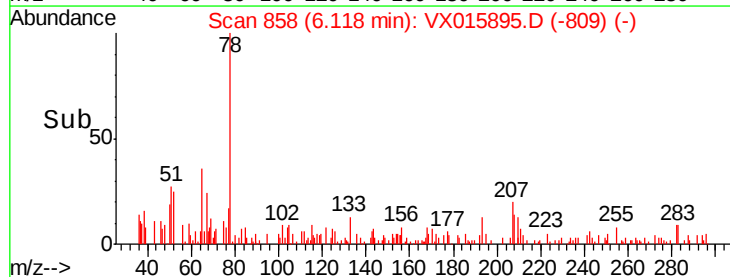
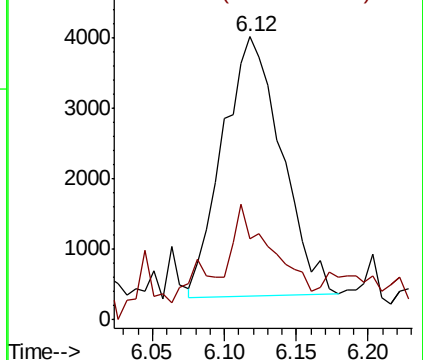
78 100

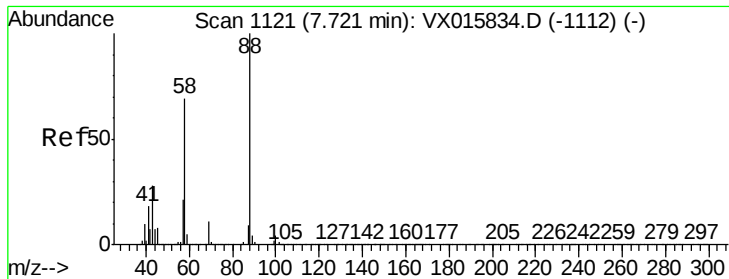
77 17.6 18.6 27.8#



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

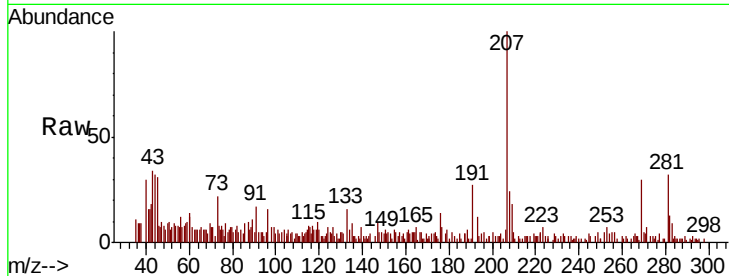




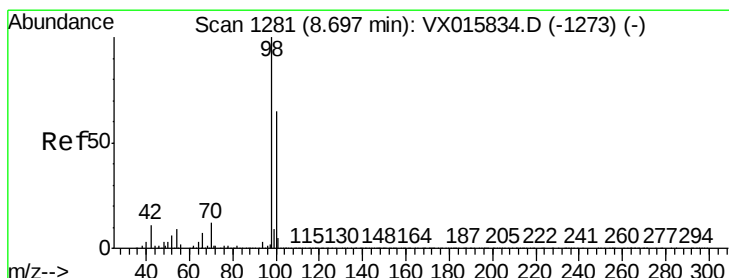
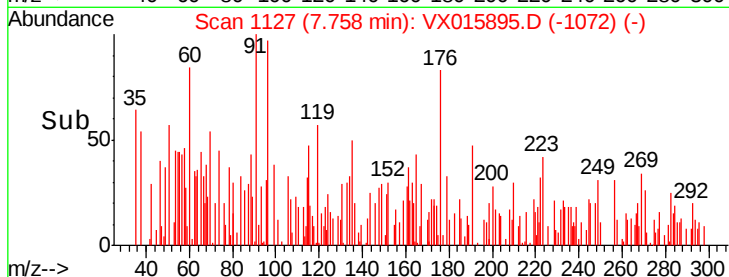
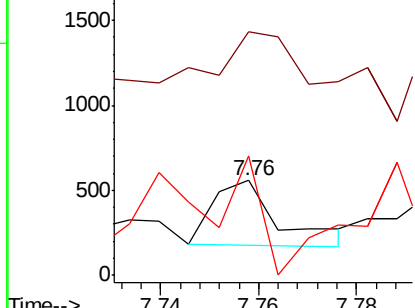
#49
1,4-Dioxane
Concen: 1.675 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. 0.04 min
Lab File: VX015895.D
Acq: 23 Apr 2020 17:01

Instrument :
MSVOA_X
ClientSampleId :
S73-0237

Tot Ion: 88 Resp: 356
Ion Ratio Lower Upper
88 100
43 73.0 28.2 42.4#
58 131.2 58.9 88.3#

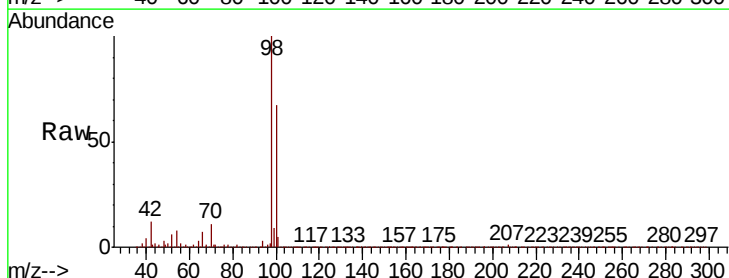


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

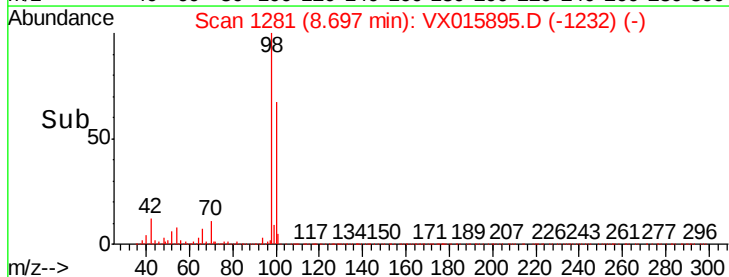
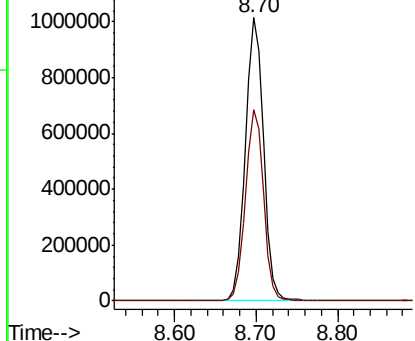


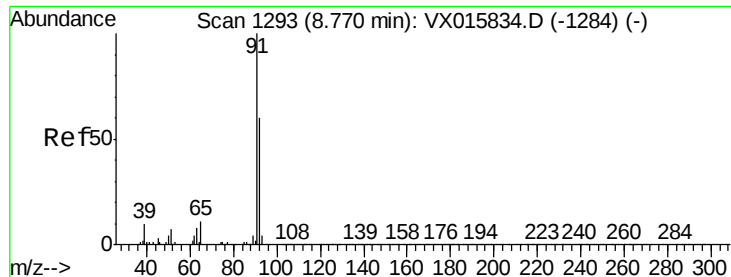
#50
Toluene-d8
Concen: 52.431 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015895.D
Acq: 23 Apr 2020 17:01

Tgt Ion: 98 Resp: 1565334
Ion Ratio Lower Upper
98 100
100 67.2 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 0.379 ug/l

RT: 8.76 min Scan# 1292

Delta R.T. -0.01 min

Lab File: VX015895.D

Acq: 23 Apr 2020 17:01

Instrument :

MSVOA_X

ClientSampleId :

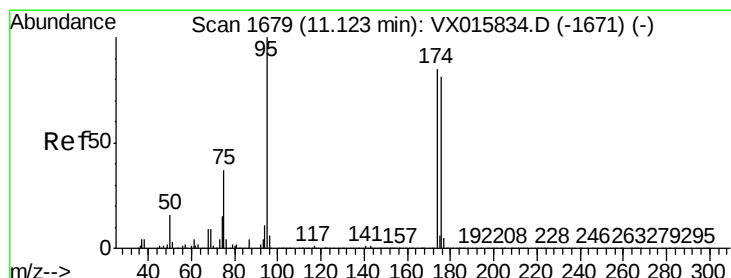
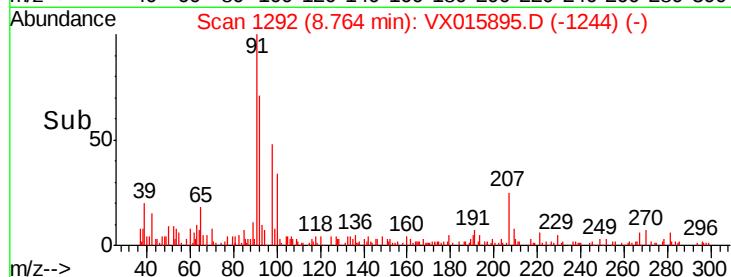
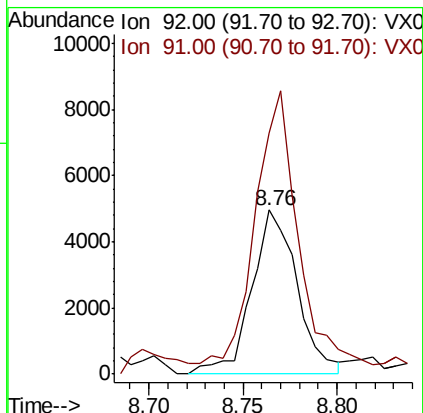
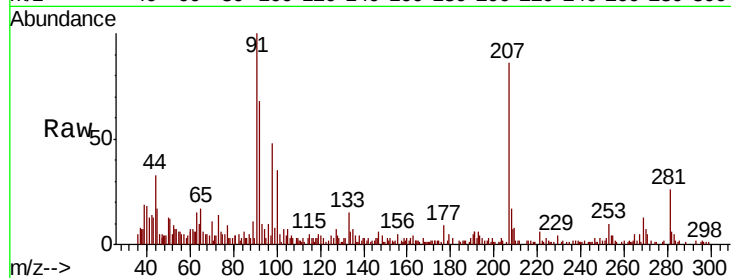
S73-0237

Tot Ion: 92 Resp: 8329

Ion Ratio Lower Upper

92 100

91 152.3 133.4 200.0



#62

4-Bromofluorobenzene

Concen: 55.480 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015895.D

Acq: 23 Apr 2020 17:01

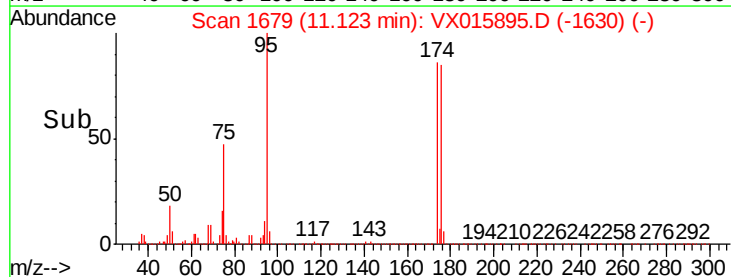
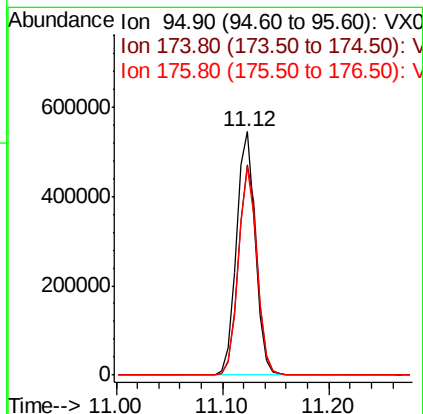
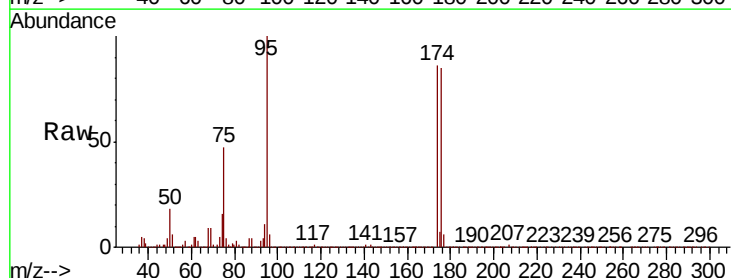
Tgt Ion: 95 Resp: 679485

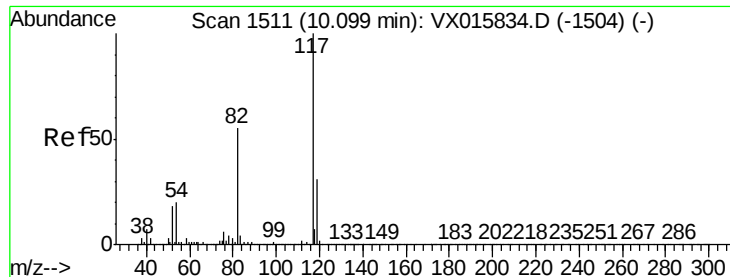
Ion Ratio Lower Upper

95 100

174 86.0 0.0 172.4

176 84.0 0.0 167.0

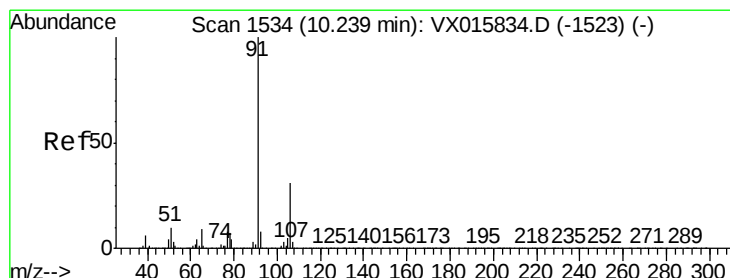
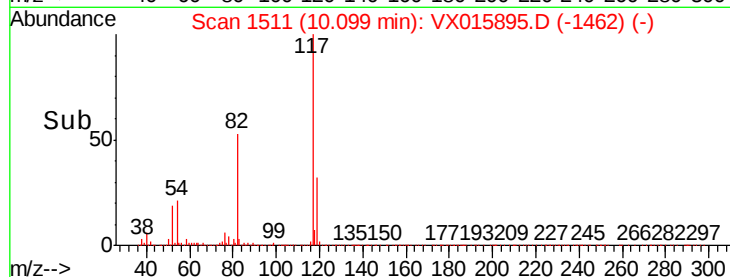
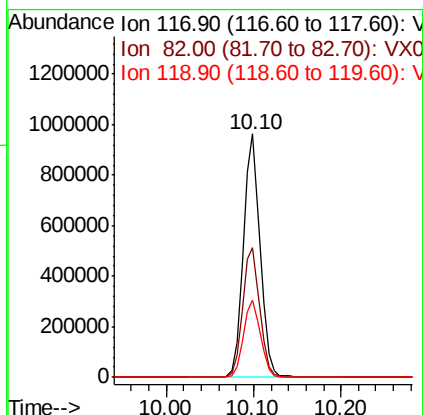
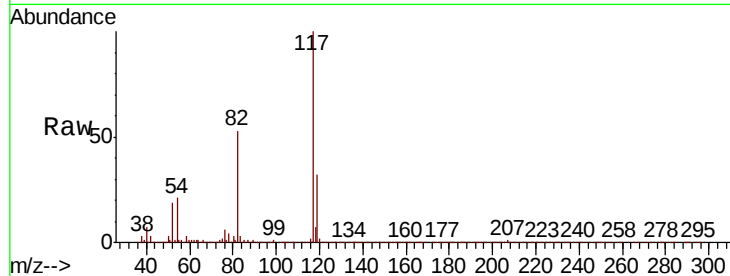




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015895.D
Acq: 23 Apr 2020 17:01

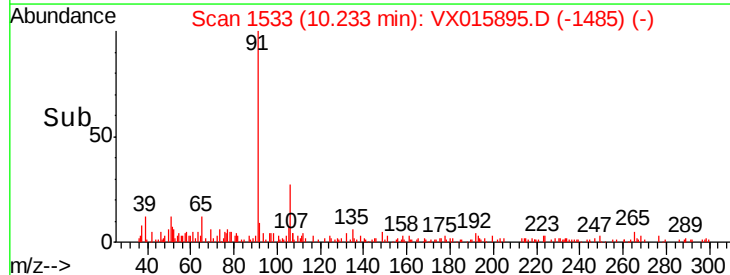
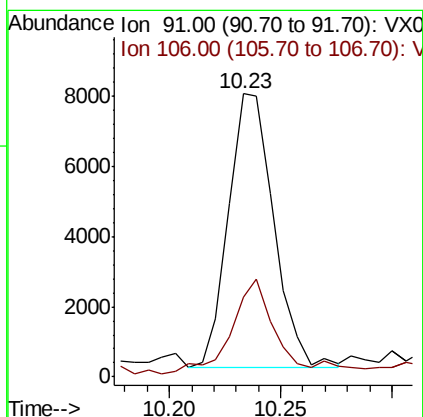
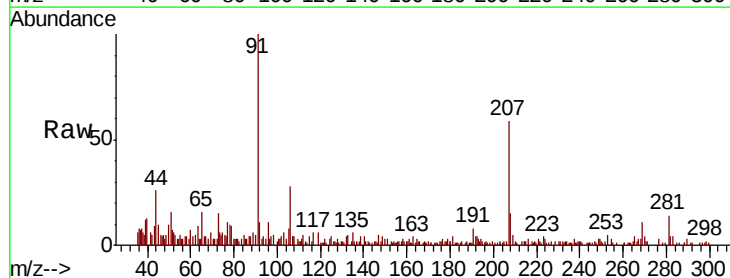
Instrument :
MSVOA_X
ClientSampleId :
S73-0237

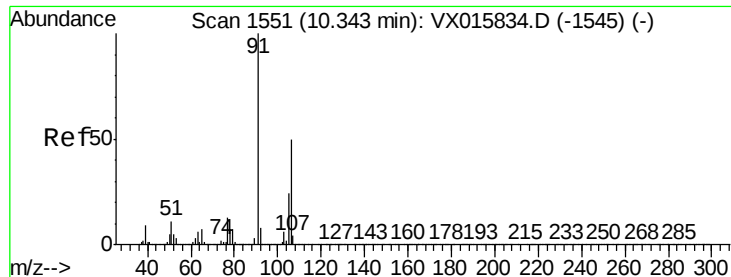
Tot Ion:117 Resp: 1279387
Ion Ratio Lower Upper
117 100
82 53.2 43.9 65.9
119 31.8 25.1 37.7



#67
Ethyl Benzene
Concen: 0.246 ug/l
RT: 10.23 min Scan# 1533
Delta R.T. -0.01 min
Lab File: VX015895.D
Acq: 23 Apr 2020 17:01

Tgt Ion: 91 Resp: 11030
Ion Ratio Lower Upper
91 100
106 25.2 25.0 37.4

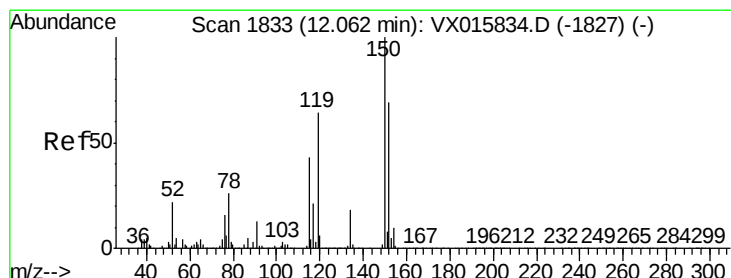
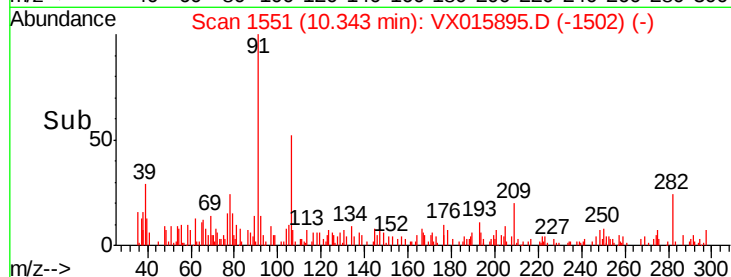
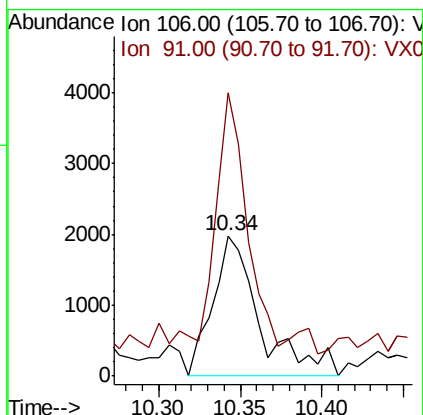
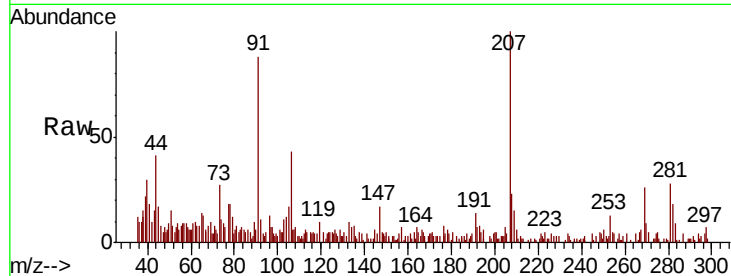




#68
m/p-Xvlenes
Concen: 0.235 ug/l
RT: 10.34 min Scan# 1551
Delta R.T. 0.00 min
Lab File: VX015895.D
Acq: 23 Apr 2020 17:01

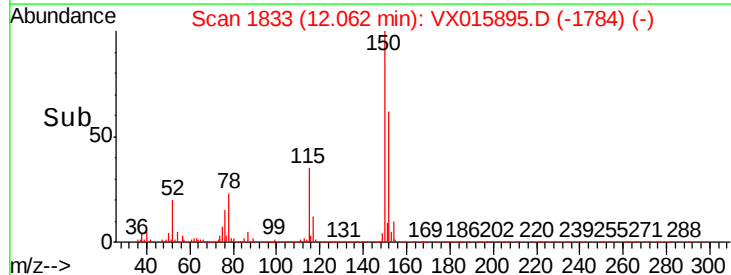
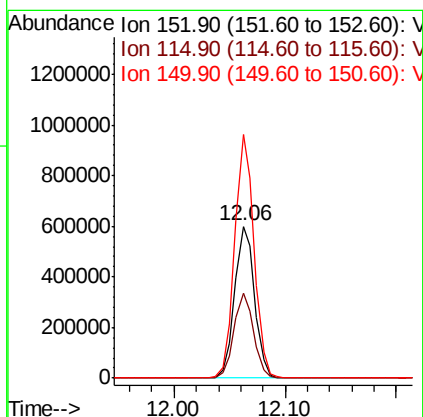
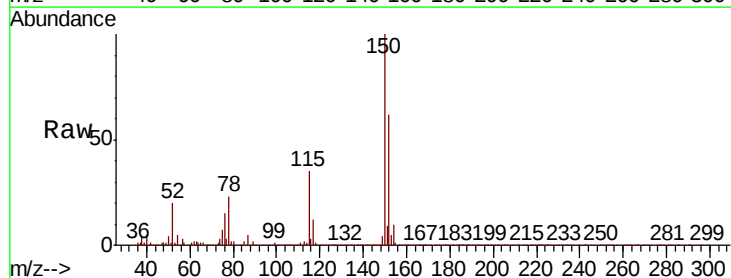
Instrument :
MSVOA_X
ClientSampleId :
S73-0237

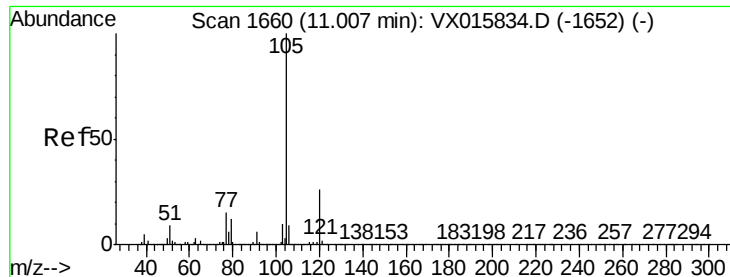
Tot Ion:106 Resp: 3971
Ion Ratio Lower Upper
106 100
91 126.3 161.1 241.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015895.D
Acq: 23 Apr 2020 17:01

Tgt Ion:152 Resp: 738720
Ion Ratio Lower Upper
152 100
115 55.1 39.0 116.9
150 155.3 0.0 336.8





#73

Isopropylbenzene

Concen: 0.617 ug/l

RT: 11.00 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VX015895.D

Acq: 23 Apr 2020 17:01

Instrument :

MSVOA_X

ClientSampleId :

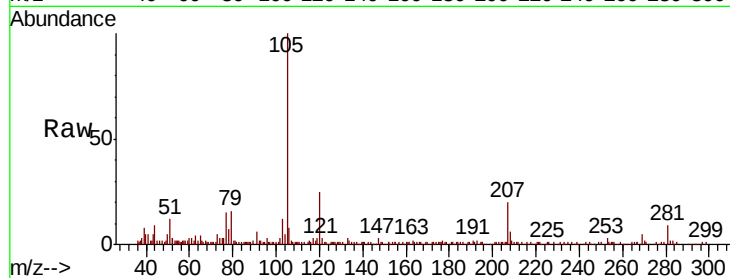
S73-0237

Tot Ion:105 Resp: 28968

Ion Ratio Lower Upper

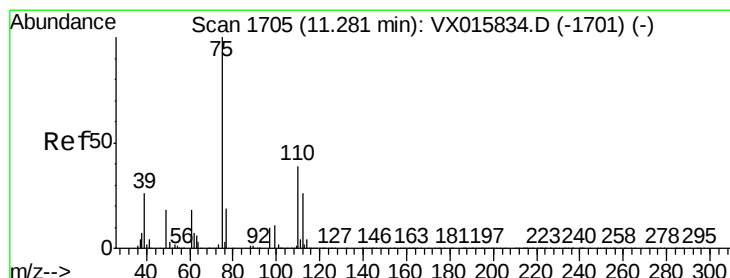
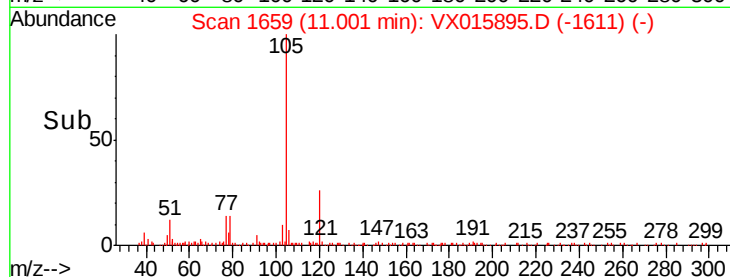
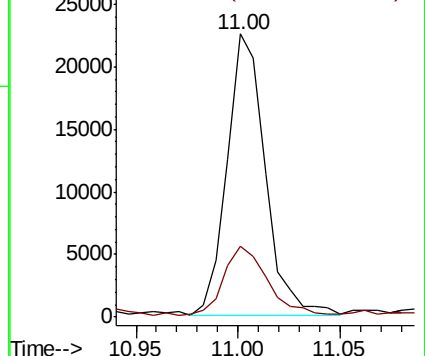
105 100

120 28.1 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 23.488 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015895.D

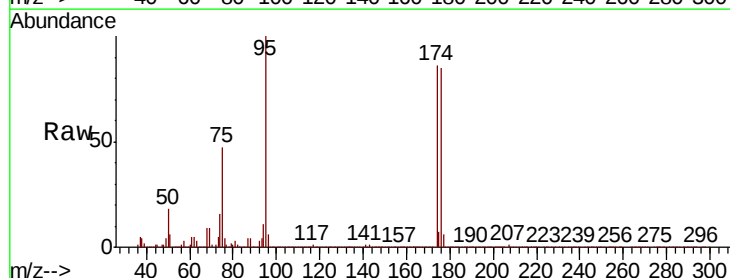
Acq: 23 Apr 2020 17:01

Tgt Ion: 75 Resp: 329939

Ion Ratio Lower Upper

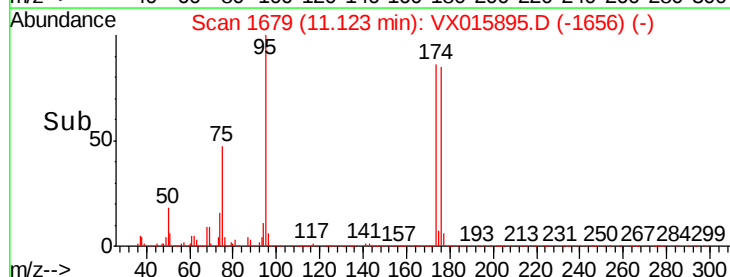
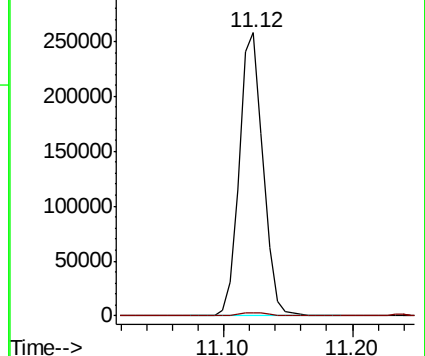
75 100

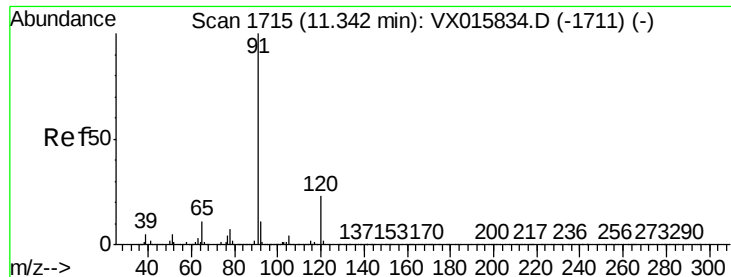
77 1.3 21.3 63.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

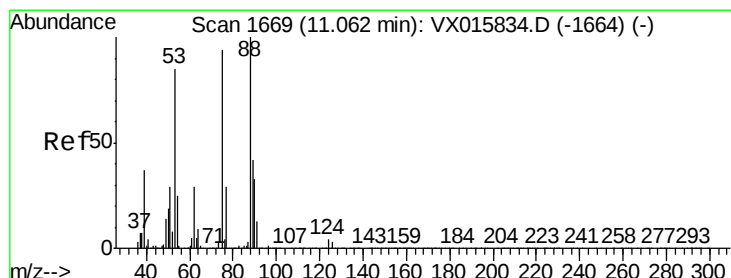
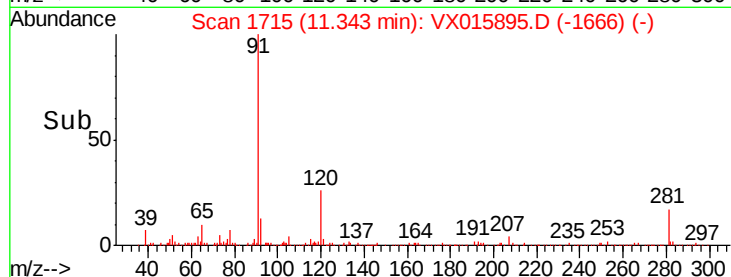
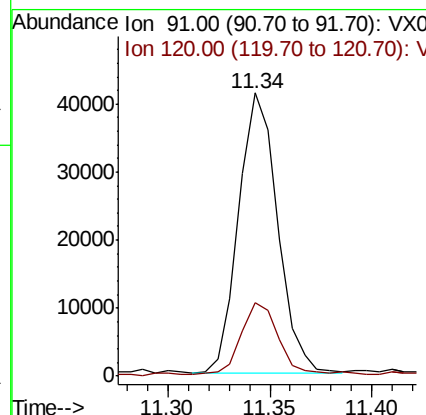
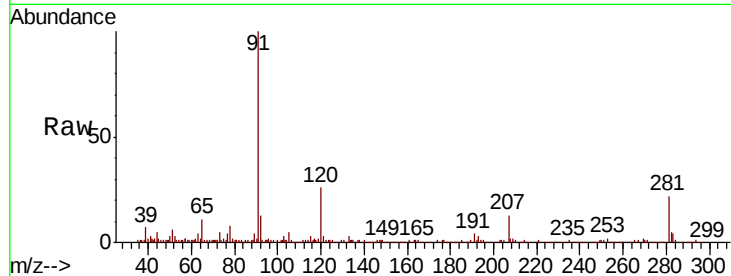




#78
n-propylbenzene
Concen: 1.021 ug/l
RT: 11.34 min Scan# 1715
Delta R.T. 0.00 min
Lab File: VX015895.D
Acq: 23 Apr 2020 17:01

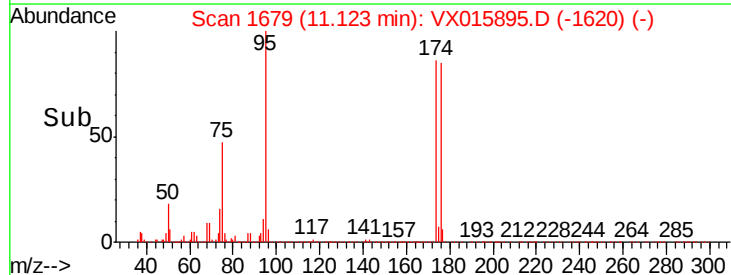
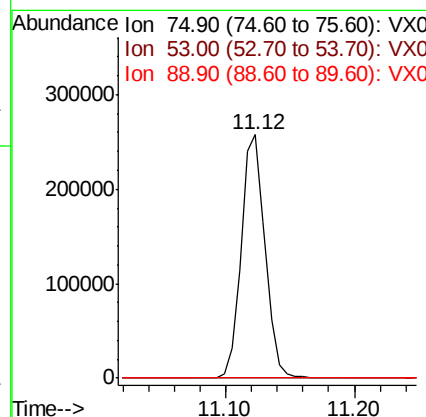
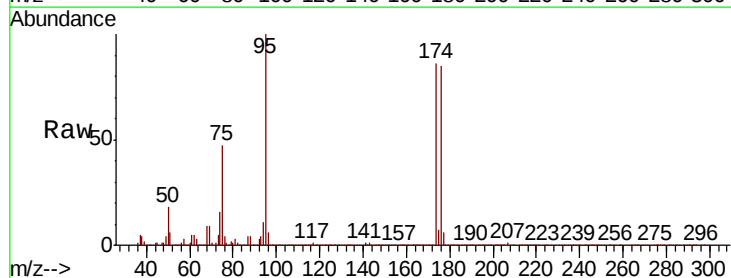
Instrument :
MSVOA_X
ClientSampleId :
S73-0237

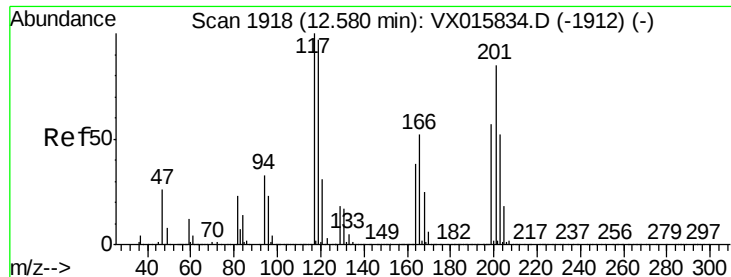
Tot Ion: 91 Resp: 54856
Ion Ratio Lower Upper
91 100
120 25.1 11.7 35.1



#81
trans-1,4-Dichloro-2-butene
Concen: 56.500 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.06 min
Lab File: VX015895.D
Acq: 23 Apr 2020 17:01

Tgt Ion: 75 Resp: 329939
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.2#
89 0.1 38.0 57.0#





#90

Hexachloroethane

Concen: 0.555 ug/l

RT: 12.65 min Scan# 1930

Delta R.T. 0.07 min

Lab File: VX015895.D

Acq: 23 Apr 2020 17:01

Instrument :

MSVOA_X

ClientSampleId :

S73-0237

Tot Ion:117 Resp: 2566

Ion Ratio Lower Upper

117 100

201 0.0 45.6 136.9#

