

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042320\
 Data File : VX015898.D
 Acq On : 23 Apr 2020 18:09
 Operator : JC/SP
 Sample : L2403-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0239

Quant Time: Apr 24 03:33:52 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	860683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1306330	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1321717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	737859	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	484071	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
35) Dibromofluoromethane	5.47	113	382454	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	
50) Toluene-d8	8.70	98	1596549	52.60	ug/l	0.00
Spiked Amount			Recovery	=	105.20%	
62) 4-Bromofluorobenzene	11.12	95	682349	54.80	ug/l	0.00
Spiked Amount			Recovery	=	109.60%	

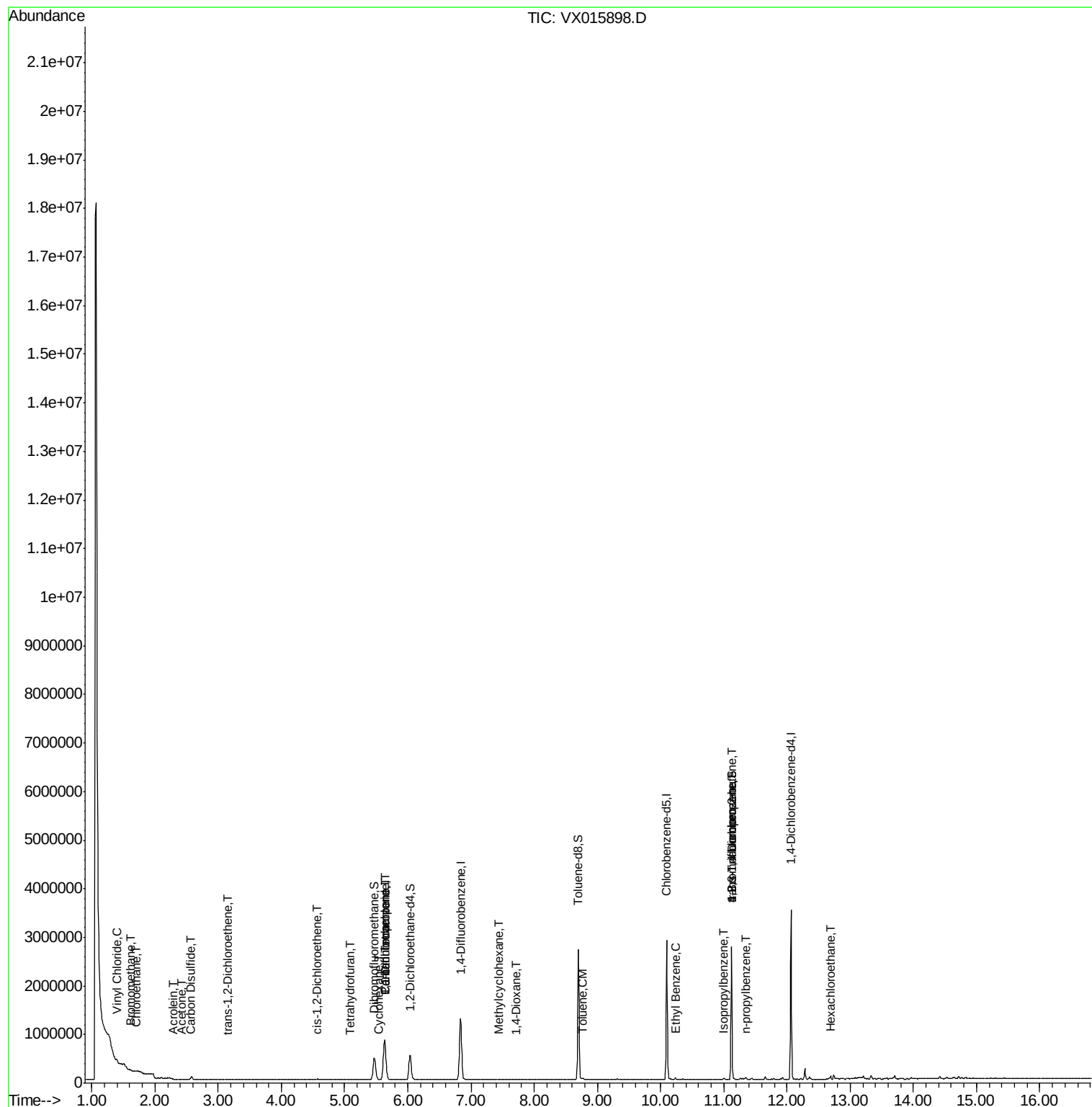
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	36752	4.208	ug/l	95
5) Bromomethane	1.62	94	1145	0.391	ug/l	88
6) Chloroethane	1.71	64	1493	0.300	ug/l #	42
13) Acrolein	2.28	56	518	0.438	ug/l #	82
16) Acetone	2.42	43	3953	0.927	ug/l #	73
17) Carbon Disulfide	2.55	76	12845	0.469	ug/l #	83
21) trans-1,2-Dichloroethene	3.15	96	2534	0.303	ug/l #	56
27) cis-1,2-Dichloroethene	4.56	96	10865	1.144	ug/l	94
29) Tetrahydrofuran	5.09	42	2356	0.529	ug/l #	46
31) Cyclohexane	5.55	56	4606	0.322	ug/l #	64
36) 1,1-Dichloropropene	5.63	75	58919	5.088	ug/l #	52
38) Carbon Tetrachloride	5.64	117	77272	6.774	ug/l #	17
39) Methylcyclohexane	7.45	83	3125	0.213	ug/l	87
49) 1,4-Dioxane	7.72	88	877	4.058	ug/l #	25
52) Toluene	8.77	92	8205	0.367	ug/l	99
67) Ethyl Benzene	10.23	91	18329	0.395	ug/l	95
73) Isopropylbenzene	11.01	105	14045	0.300	ug/l	95
76) 1,2,3-Trichloropropane	11.12	75	330146	23.530	ug/l #	36
78) n-propylbenzene	11.34	91	16353	0.305	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.12	75	330146	56.602	ug/l #	12
90) Hexachloroethane	12.68	117	23442	5.079	ug/l #	4

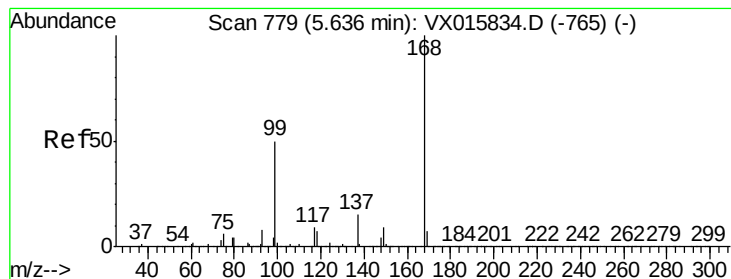
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042320\
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Quant Time: Apr 24 03:33:52 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: VX015898.D

Acq: 23 Apr 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

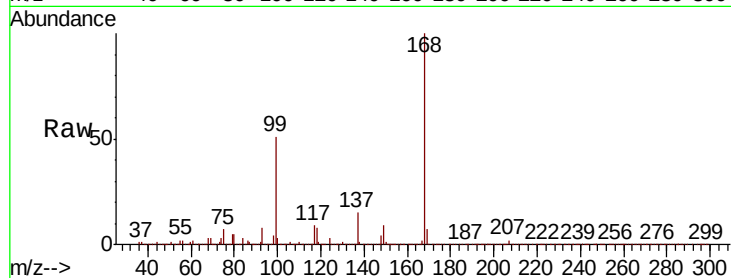
S73-0239

Tot Ion:168 Resp: 860683

Ion Ratio Lower Upper

168 100

99 51.1 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

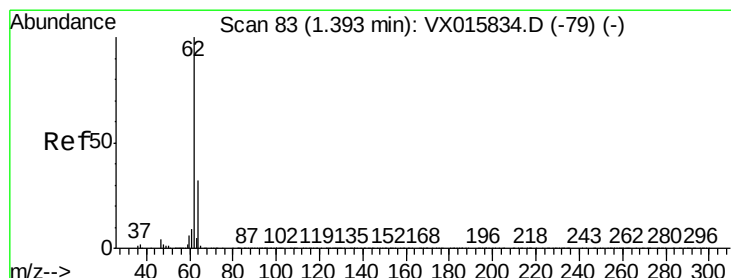
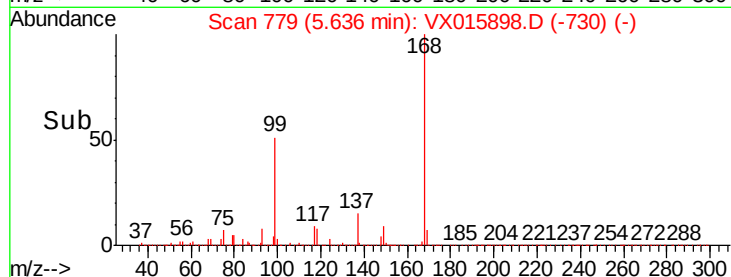
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 4.208 ug/l

RT: 1.39 min Scan# 83

Delta R.T. 0.00 min

Lab File: VX015898.D

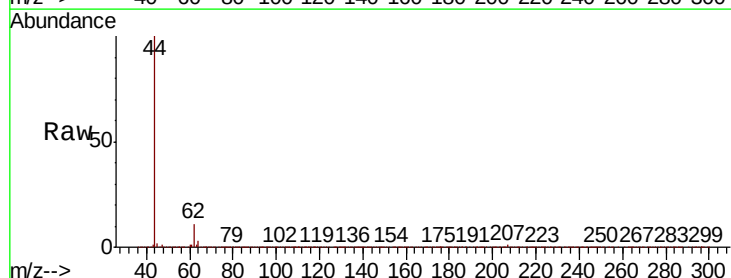
Acq: 23 Apr 2020 18:09

Tgt Ion: 62 Resp: 36752

Ion Ratio Lower Upper

62 100

64 29.0 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

40000

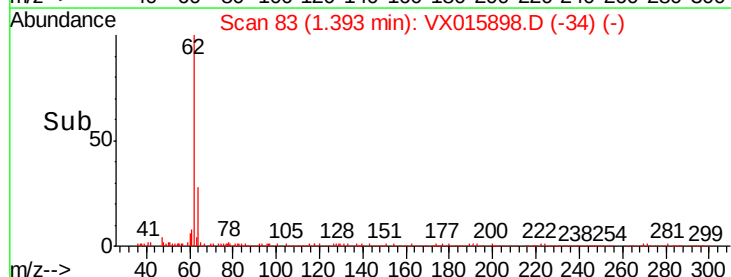
30000

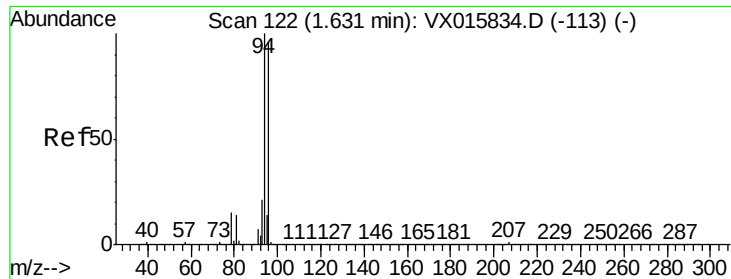
20000

10000

0

Time-->





#5

Bromomethane

Concen: 0.391 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX015898.D

Acq: 23 Apr 2020 18:09

Instrument :

MSVOA_X

ClientSampled :

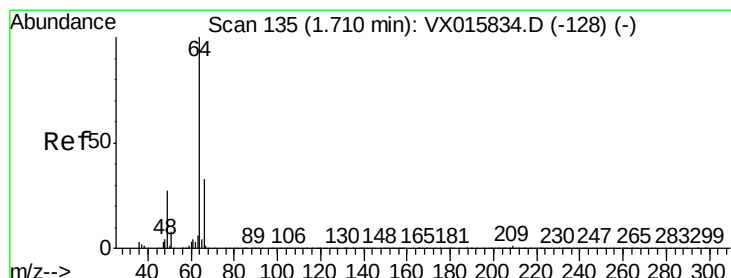
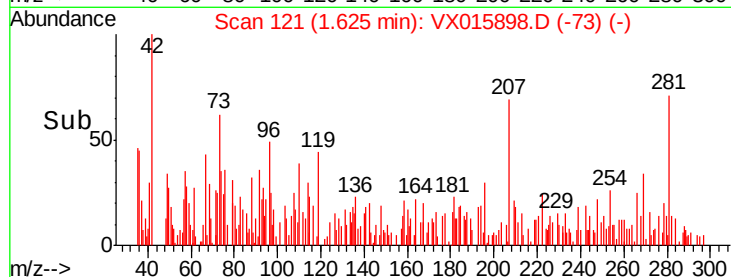
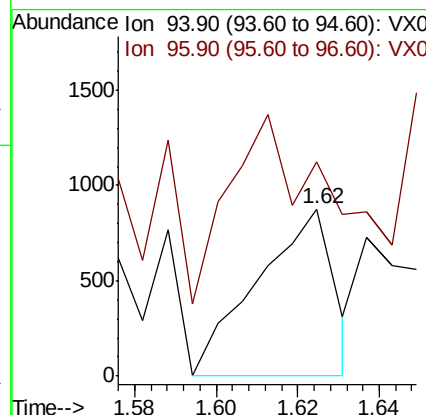
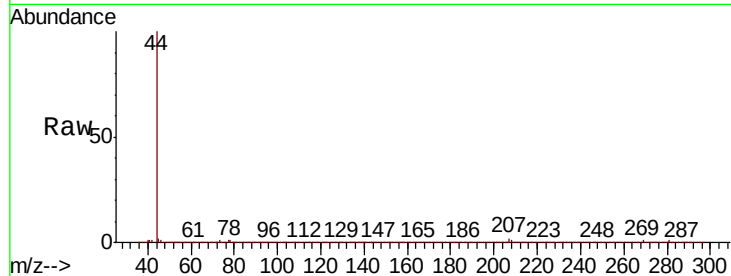
S73-0239

Tot Ion: 94 Resp: 1145

Ion Ratio Lower Upper

94 100

96 84.4 76.7 115.1



#6

Chloroethane

Concen: 0.300 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX015898.D

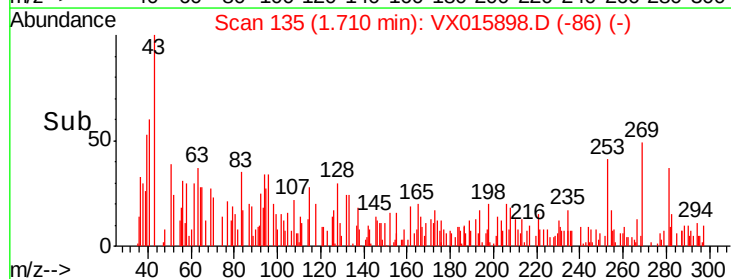
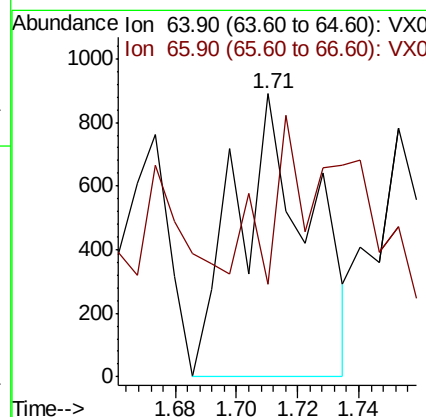
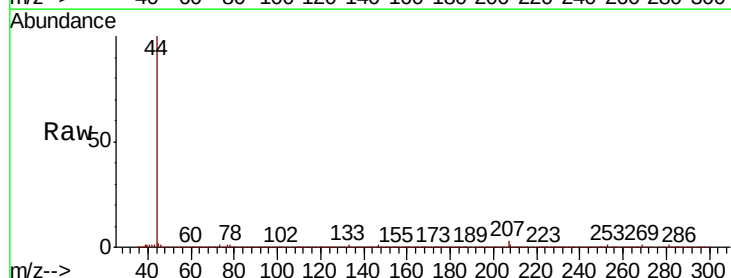
Acq: 23 Apr 2020 18:09

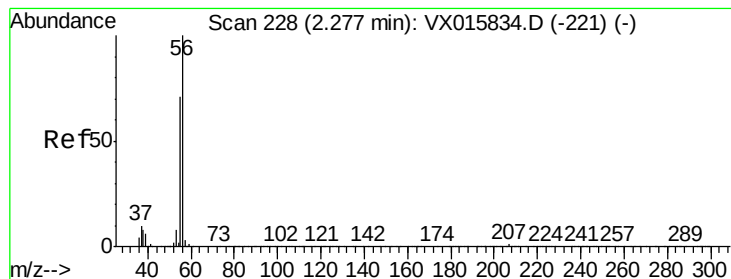
Tgt Ion: 64 Resp: 1493

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.2#





#13

Acrolein

Concen: 0.438 ug/l

RT: 2.28 min Scan# 228

Delta R.T. 0.00 min

Lab File: VX015898.D

Acq: 23 Apr 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

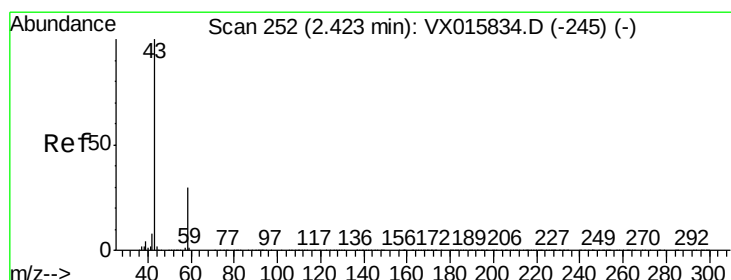
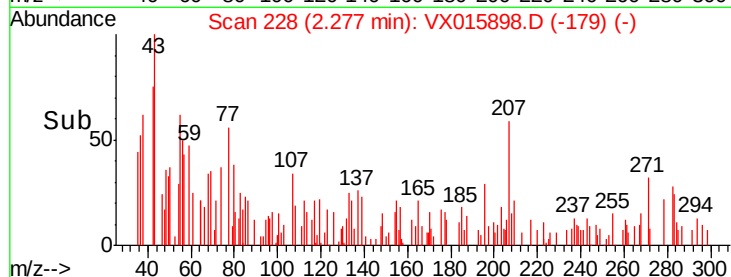
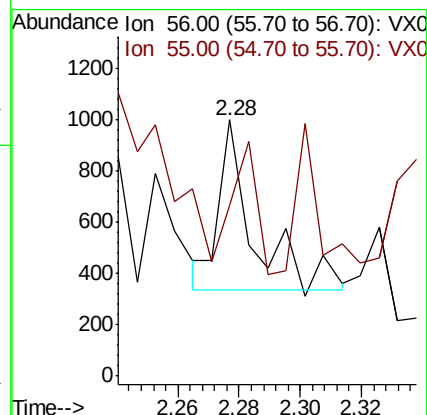
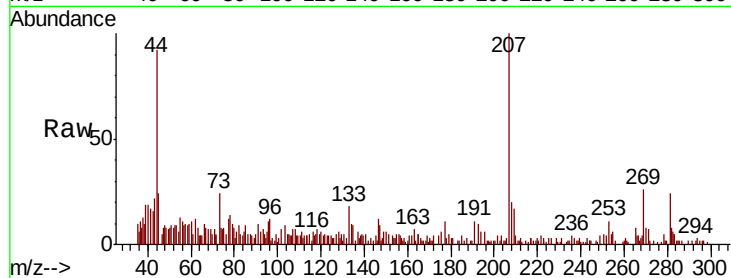
S73-0239

Tot Ion: 56 Resp: 518

Ion Ratio Lower Upper

56 100

55 55.6 56.1 84.1#



#16

Acetone

Concen: 0.927 ug/l

RT: 2.42 min Scan# 252

Delta R.T. 0.00 min

Lab File: VX015898.D

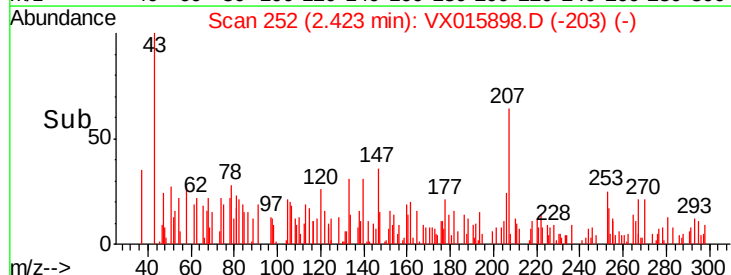
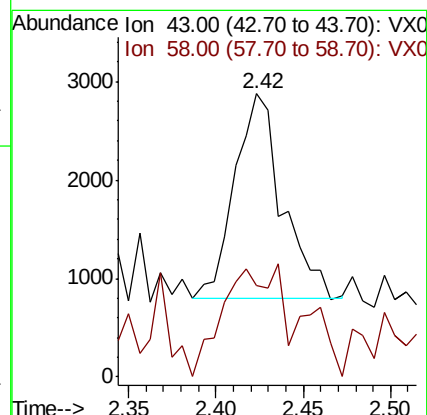
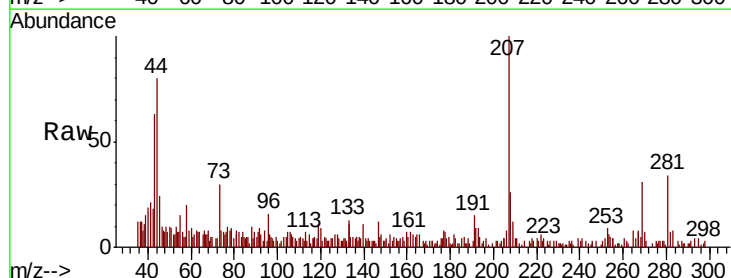
Acq: 23 Apr 2020 18:09

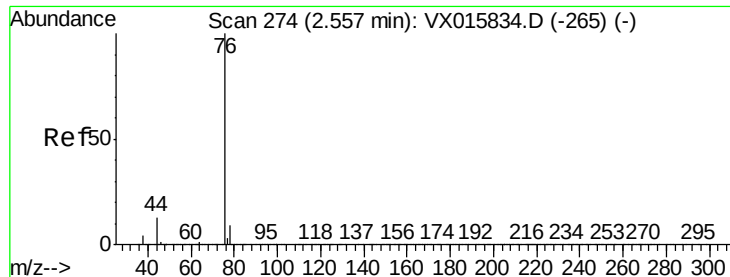
Tgt Ion: 43 Resp: 3953

Ion Ratio Lower Upper

43 100

58 44.7 24.0 36.0#





#17

Carbon Disulfide

Concen: 0.469 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX015898.D

Acq: 23 Apr 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

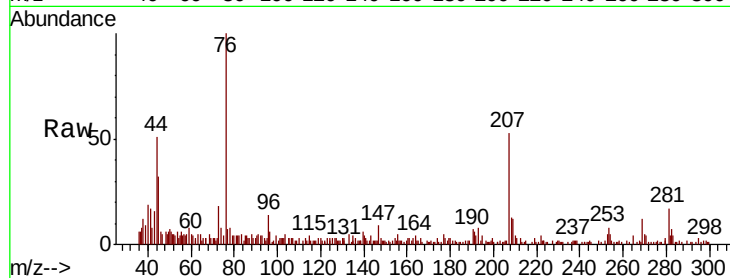
S73-0239

Tot Ion: 76 Resp: 12845

Ion Ratio Lower Upper

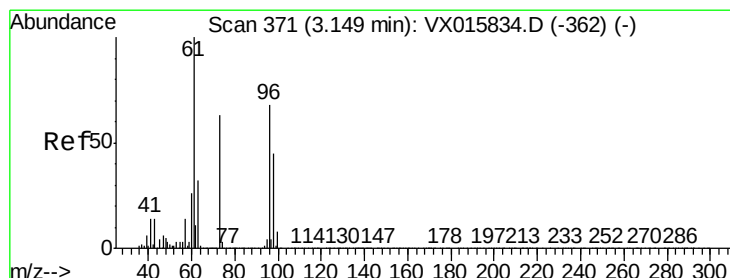
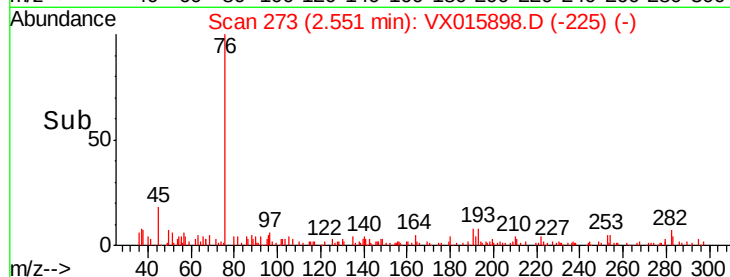
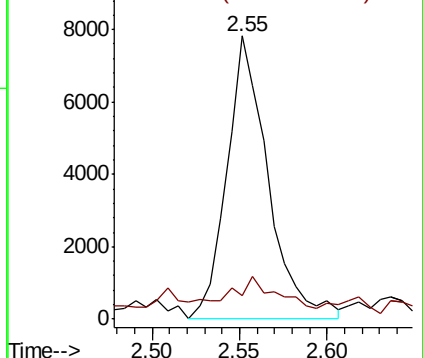
76 100

78 3.2 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#21

trans-1,2-Dichloroethene

Concen: 0.303 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX015898.D

Acq: 23 Apr 2020 18:09

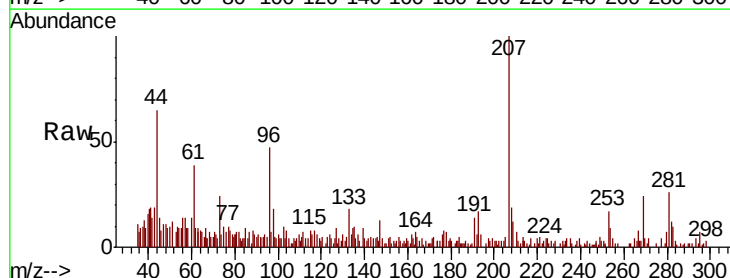
Tgt Ion: 96 Resp: 2534

Ion Ratio Lower Upper

96 100

61 87.2 117.5 176.3#

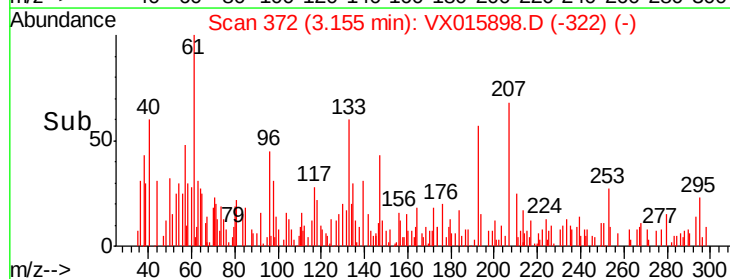
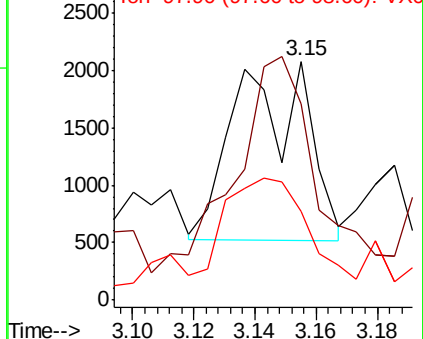
98 36.8 52.7 79.1#

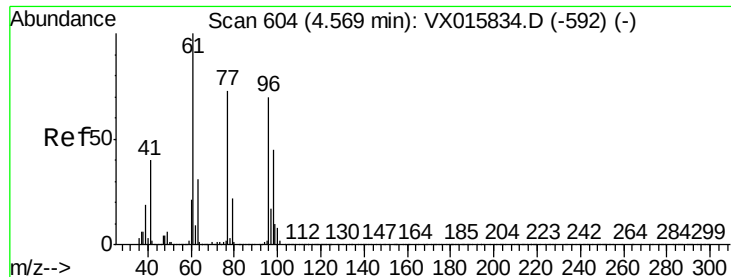


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



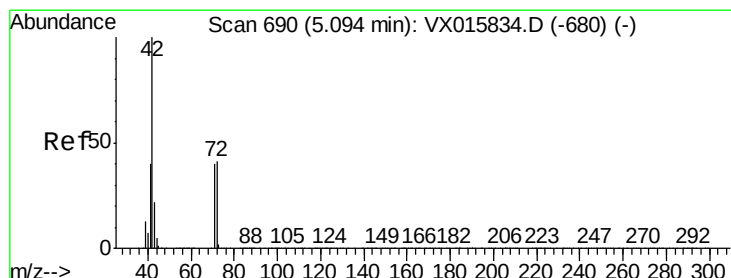
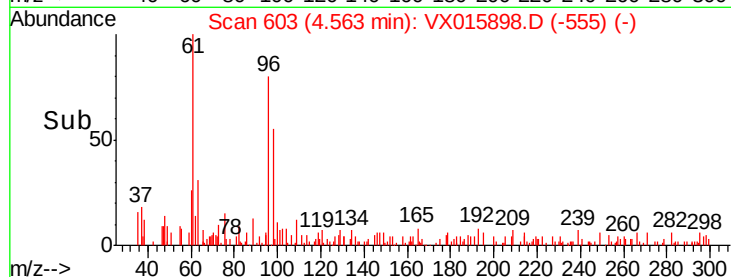
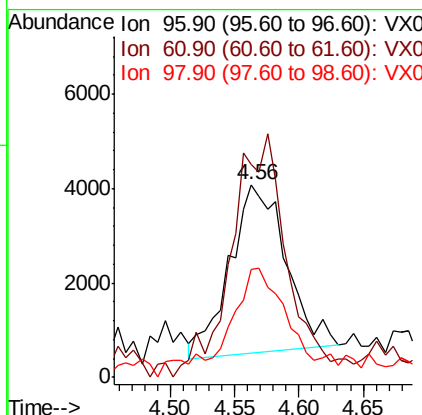
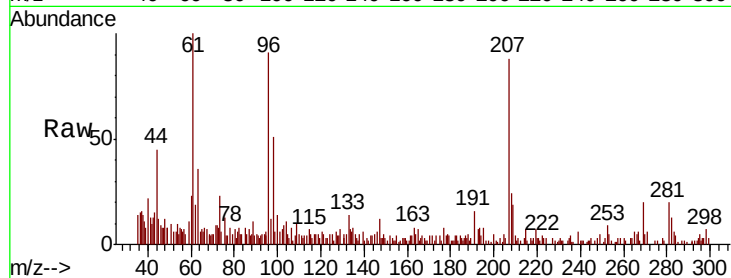


#27

cis-1,2-Dichloroethene
 Concen: 1.144 ug/l
 RT: 4.56 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: VX015898.D
 Acq: 23 Apr 2020 18:09

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0239

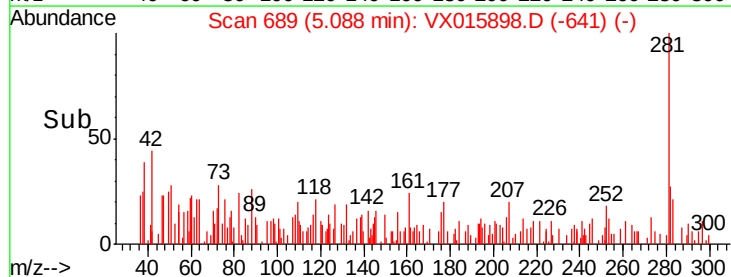
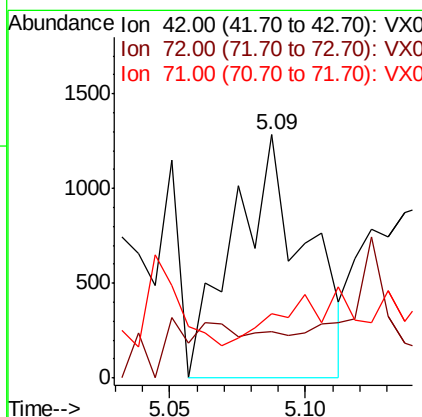
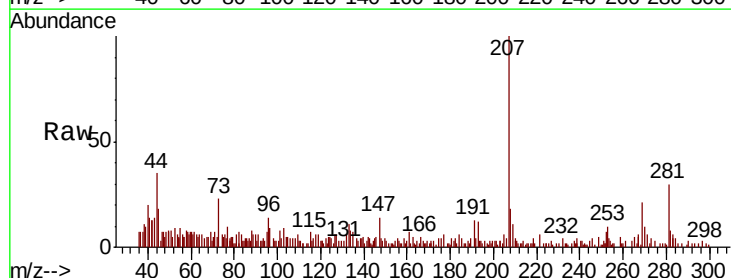
Tot Ion	Ratio	Lower	Upper
96	100		
61	143.5	0.0	299.4
98	71.3	0.0	129.6

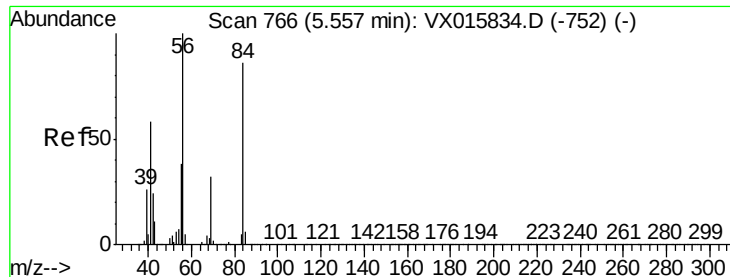


#29

Tetrahydrofuran
 Concen: 0.529 ug/l
 RT: 5.09 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VX015898.D
 Acq: 23 Apr 2020 18:09

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.0	49.6#
71	13.0	30.6	45.8#

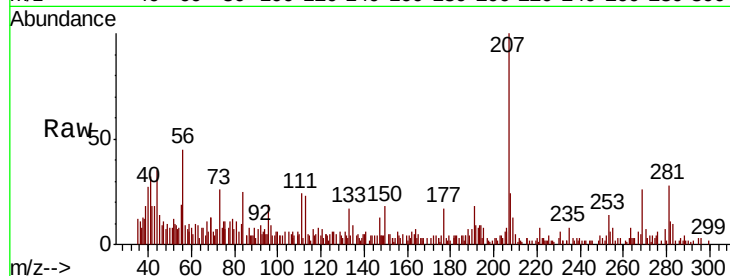




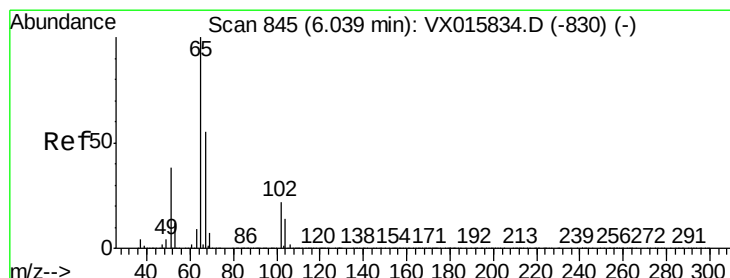
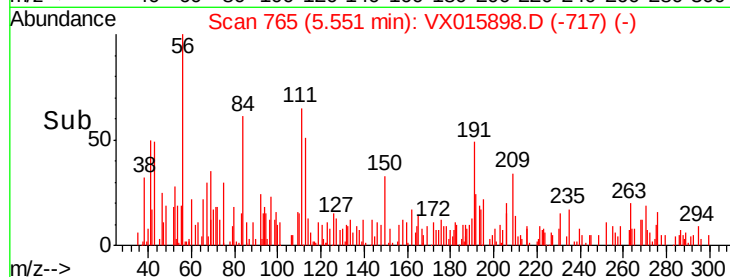
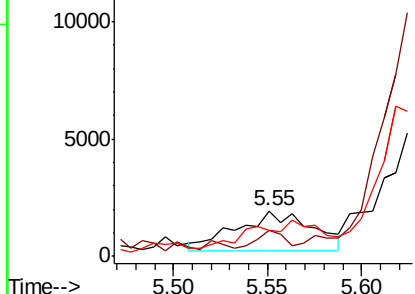
#31
Cyclohexane
Concen: 0.322 ug/l
RT: 5.55 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX015898.D
Acq: 23 Apr 2020 18:09

Instrument :
MSVOA_X
ClientSampled :
S73-0239

Tot Ion: 56 Resp: 4606
Ion Ratio Lower Upper
56 100
69 52.7 25.3 37.9#
84 53.7 69.1 103.7#

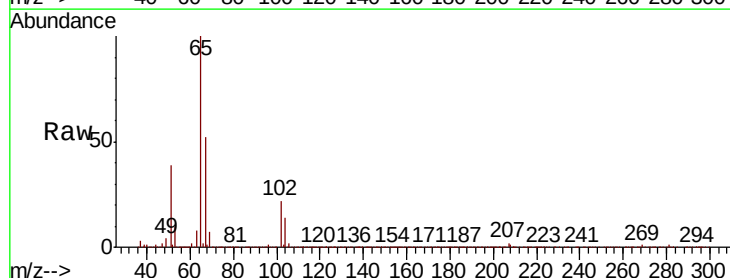


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

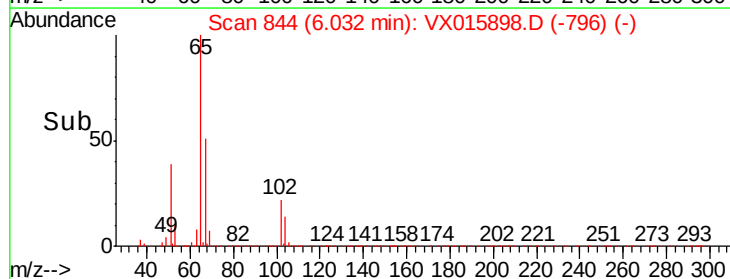
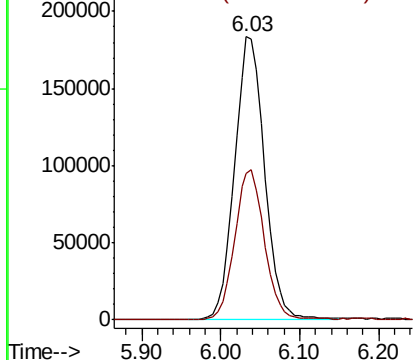


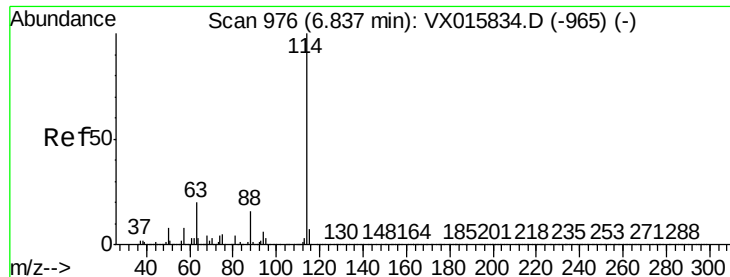
#33
1,2-Dichloroethane-d4
Concen: 49.450 ug/l
RT: 6.03 min Scan# 844
Delta R.T. -0.01 min
Lab File: VX015898.D
Acq: 23 Apr 2020 18:09

Tgt Ion: 65 Resp: 484071
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015898.D

Acq: 23 Apr 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

S73-0239

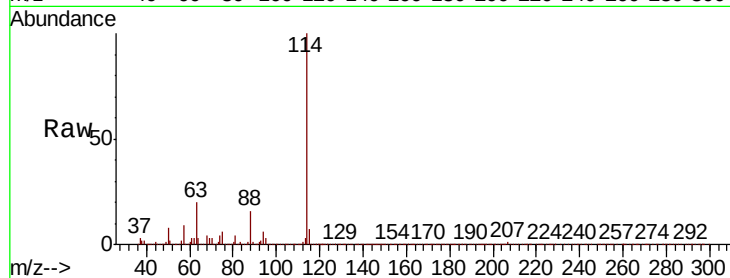
Tot Ion:114 Resp: 1306330

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.6

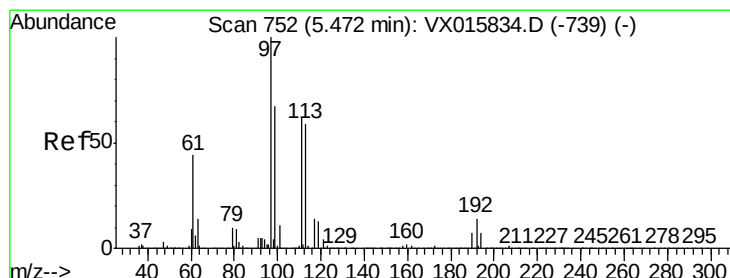
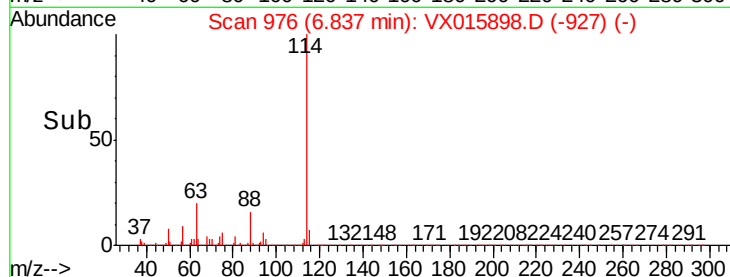
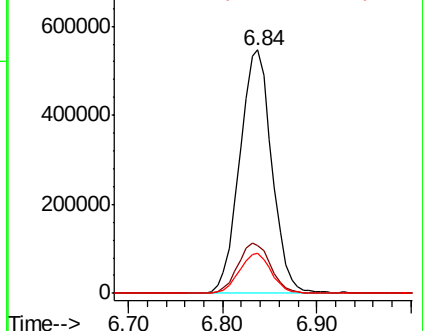
88 16.2 0.0 32.8



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: 50.720 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015898.D

Acq: 23 Apr 2020 18:09

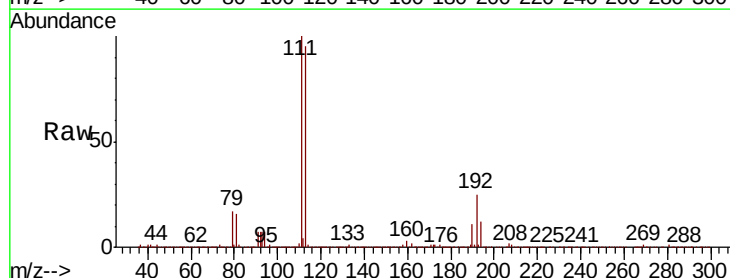
Tgt Ion:113 Resp: 382454

Ion Ratio Lower Upper

113 100

111 103.3 82.7 124.1

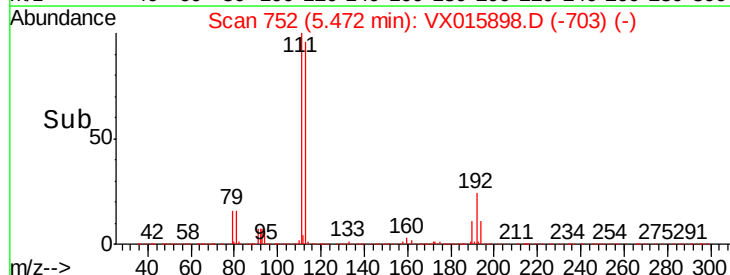
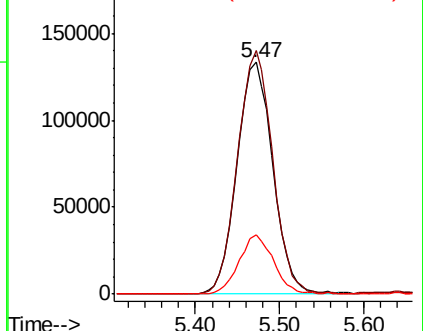
192 24.4 19.3 28.9

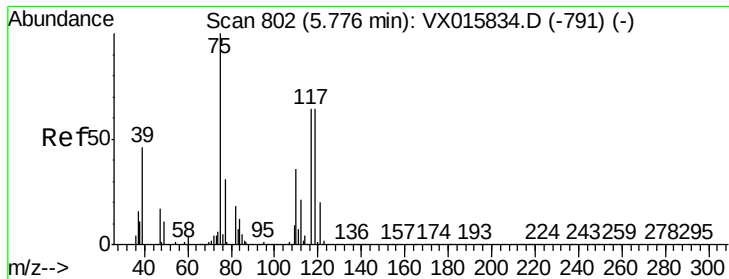


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

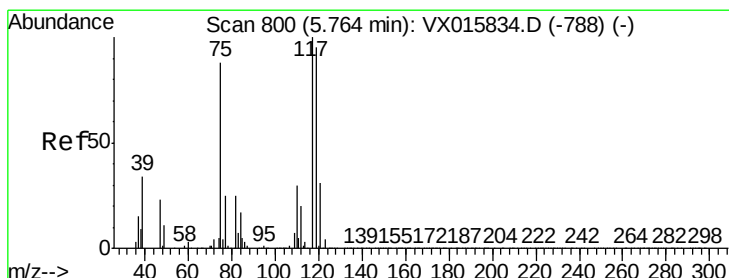
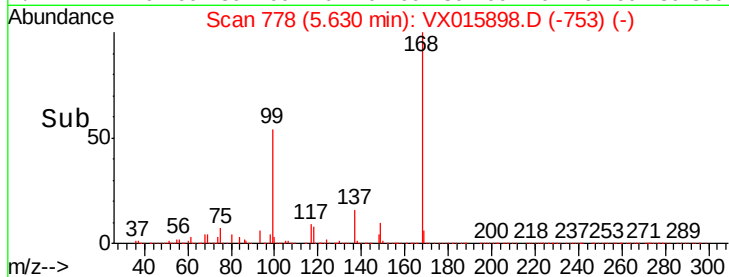
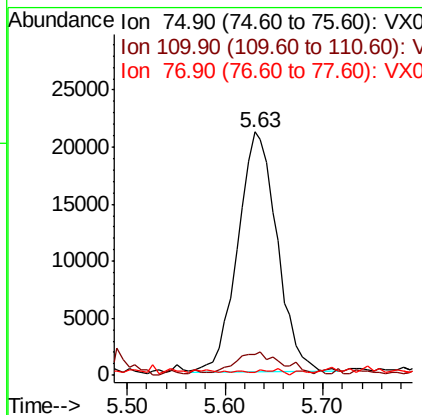
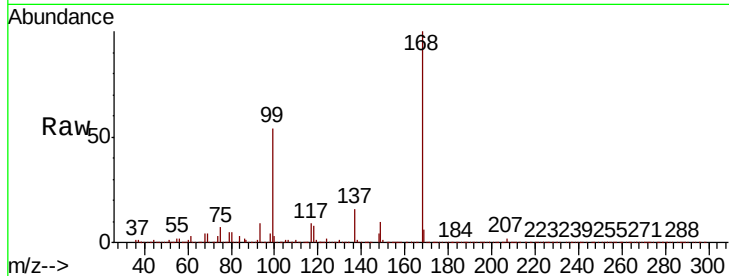




#36
 1,1-Dichloropropene
 Concen: 5.088 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.15 min
 Lab File: VX015898.D
 Acq: 23 Apr 2020 18:09

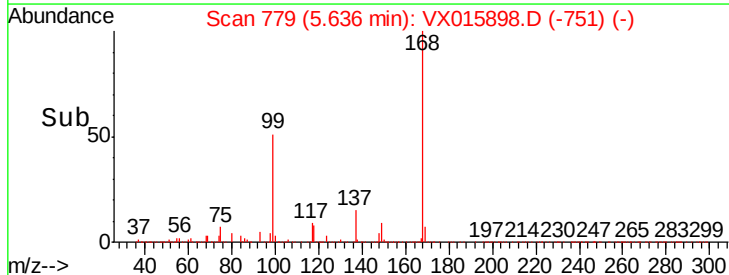
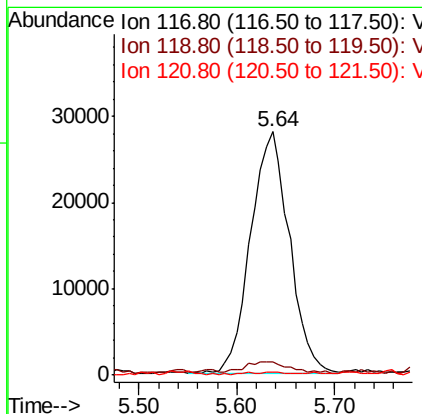
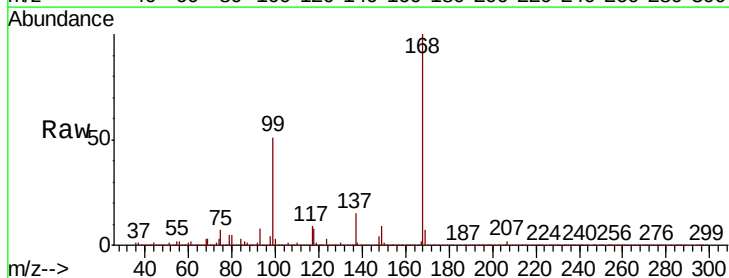
Instrument :
 MSVOA_X
 ClientSampled :
 S73-0239

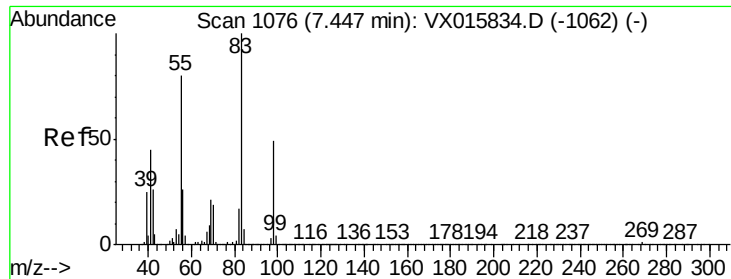
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.6	17.9	53.8#
77	0.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.774 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.13 min
 Lab File: VX015898.D
 Acq: 23 Apr 2020 18:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	75.7	113.5#
121	0.7	25.0	37.6#

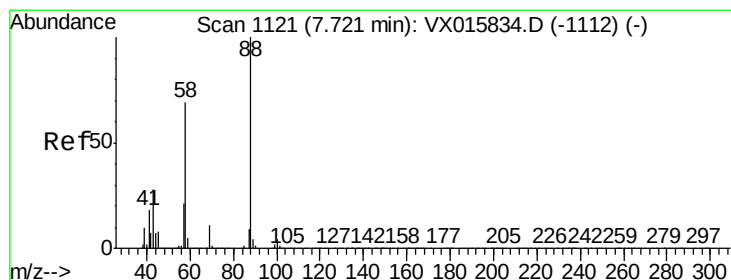
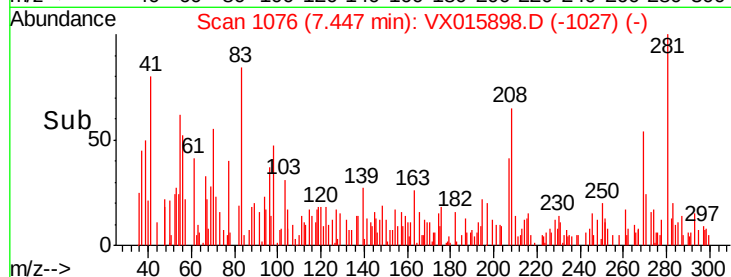
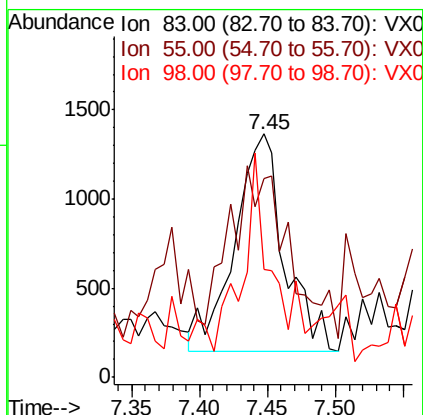
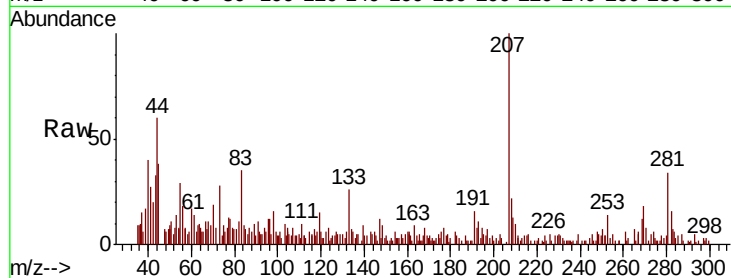




#39
Methylcyclohexane
Concen: 0.213 ug/l
RT: 7.45 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VX015898.D
Acq: 23 Apr 2020 18:09

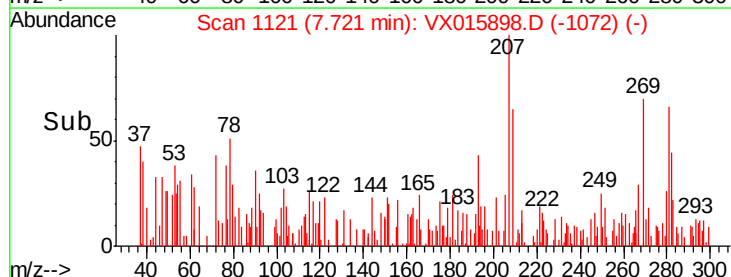
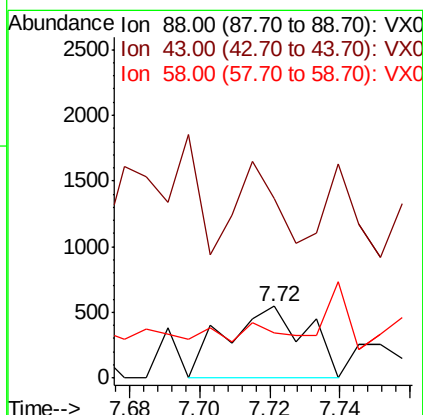
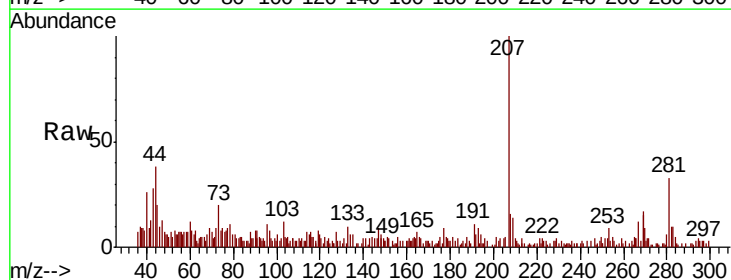
Instrument :
MSVOA_X
ClientSampled :
S73-0239

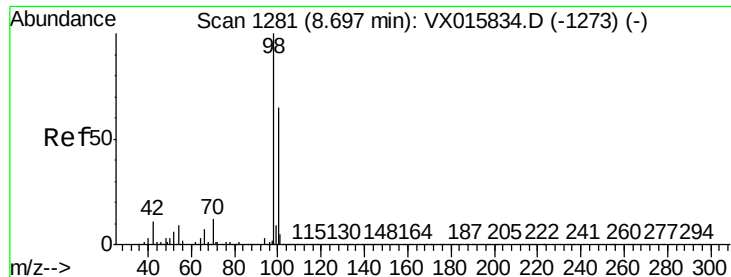
Tot Ion: 83 Resp: 3125
Ion Ratio Lower Upper
83 100
55 93.0 64.2 96.4
98 42.0 39.3 58.9



#49
1,4-Dioxane
Concen: 4.058 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. 0.00 min
Lab File: VX015898.D
Acq: 23 Apr 2020 18:09

Tgt Ion: 88 Resp: 877
Ion Ratio Lower Upper
88 100
43 64.1 28.2 42.4#
58 0.0 58.9 88.3#

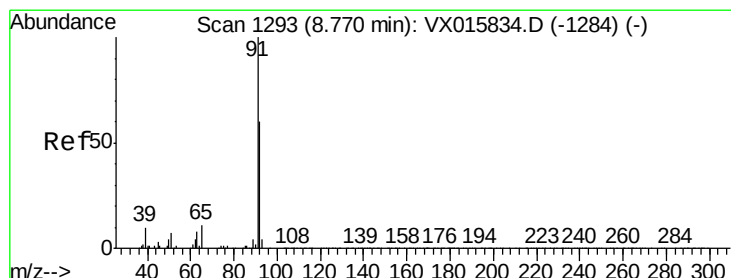
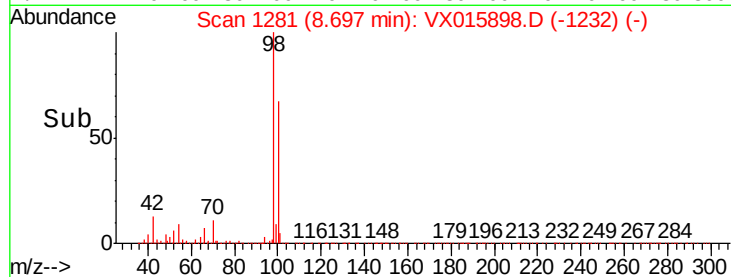
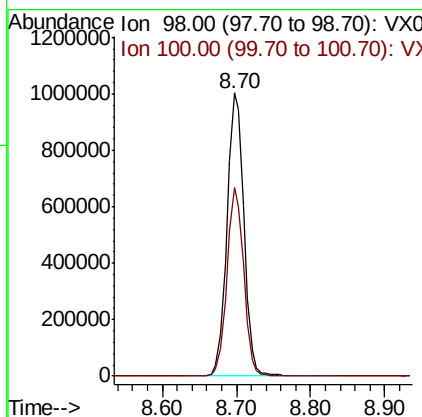
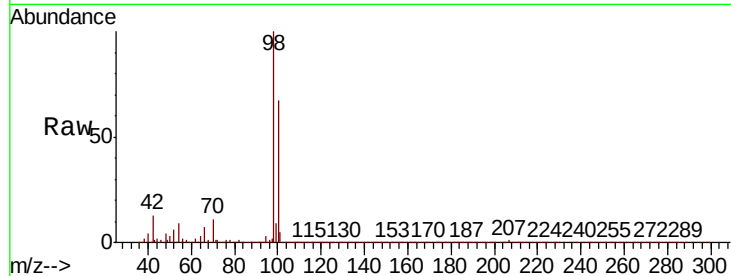




#50
Toluene-d8
Concen: 52.596 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015898.D
Acq: 23 Apr 2020 18:09

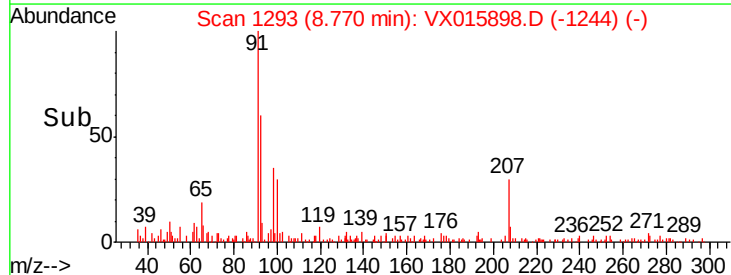
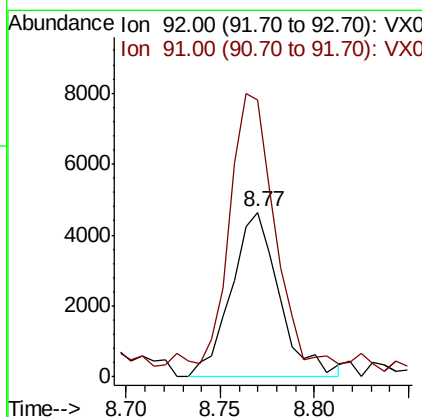
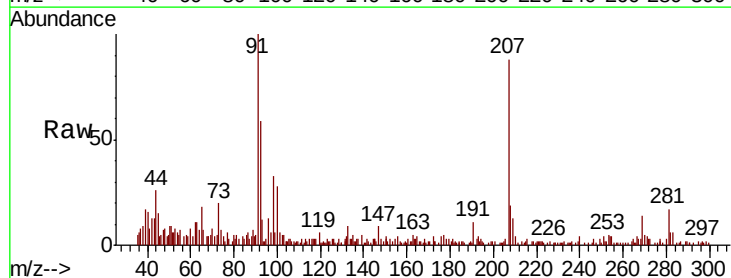
Instrument :
MSVOA_X
ClientSampled :
S73-0239

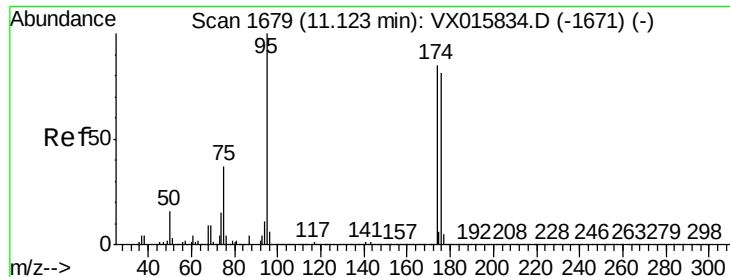
Tot Ion: 98 Resp: 1596549
Ion Ratio Lower Upper
98 100
100 66.1 53.8 80.6



#52
Toluene
Concen: 0.367 ug/l
RT: 8.77 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX015898.D
Acq: 23 Apr 2020 18:09

Tgt Ion: 92 Resp: 8205
Ion Ratio Lower Upper
92 100
91 165.2 133.4 200.0

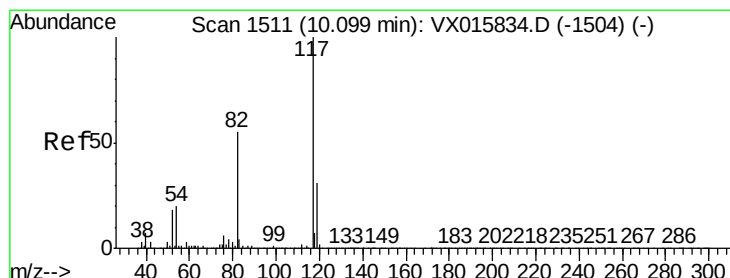
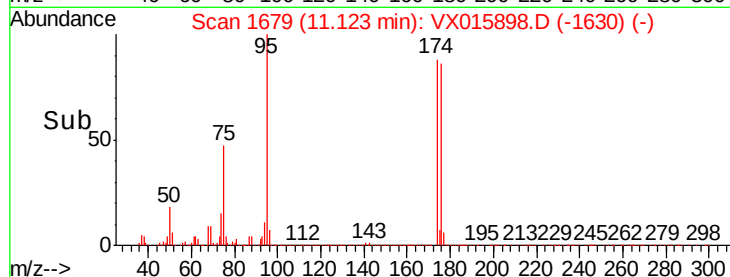
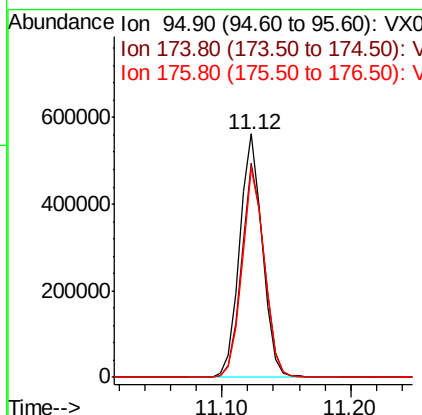
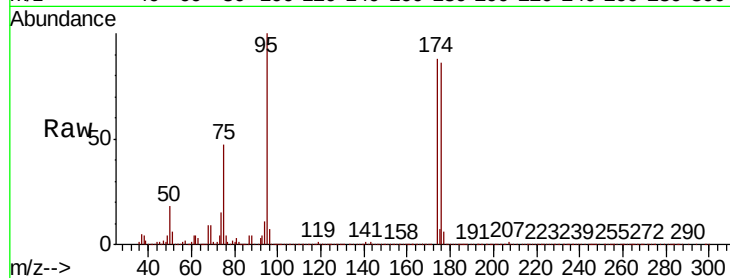




#62
4-Bromofluorobenzene
Concen: 54.796 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015898.D
Acq: 23 Apr 2020 18:09

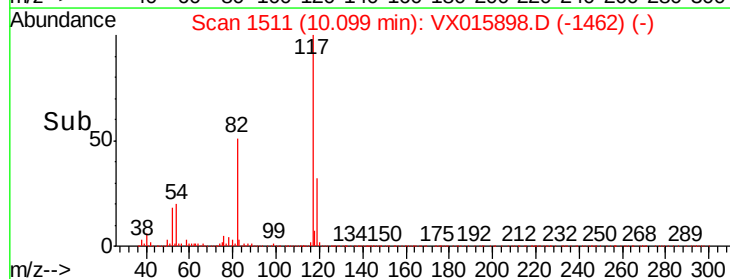
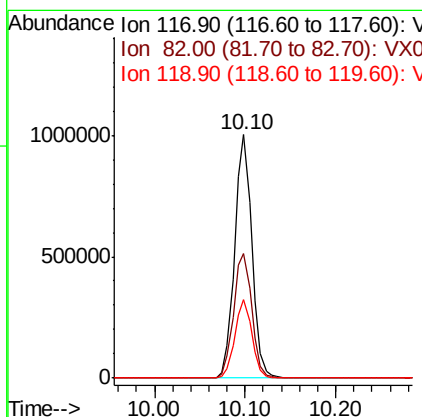
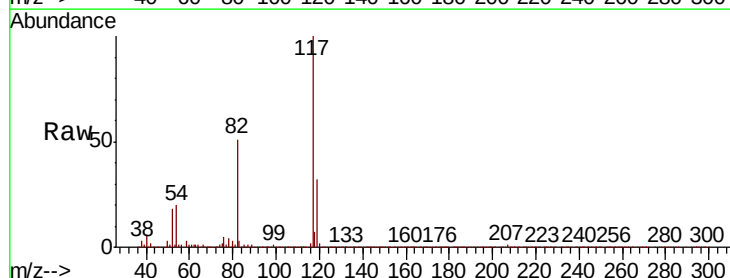
Instrument :
MSVOA_X
ClientSampleId :
S73-0239

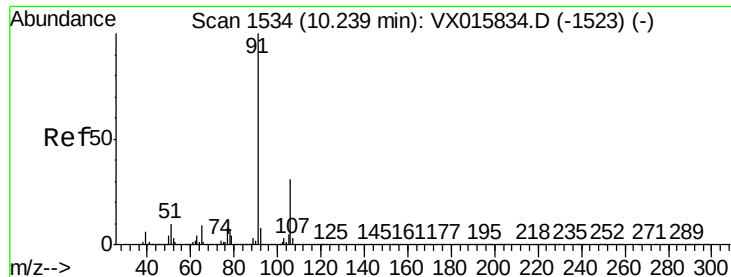
Tot Ion	Ratio	Lower	Upper
95	100		
174	87.4	0.0	172.4
176	84.7	0.0	167.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015898.D
Acq: 23 Apr 2020 18:09

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.2	43.9	65.9
119	32.0	25.1	37.7





#67

Ethyl Benzene

Concen: 0.395 ug/l

RT: 10.23 min Scan# 1533

Delta R.T. -0.01 min

Lab File: VX015898.D

Acq: 23 Apr 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

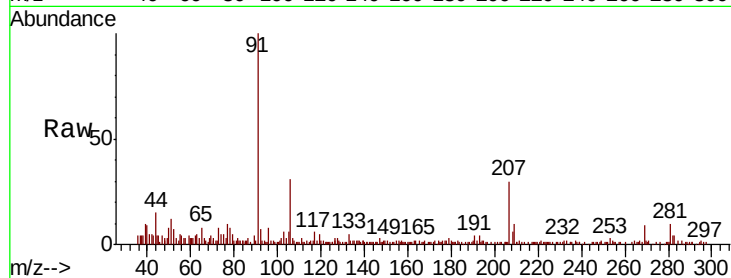
S73-0239

Tot Ion: 91 Resp: 18329

Ion Ratio Lower Upper

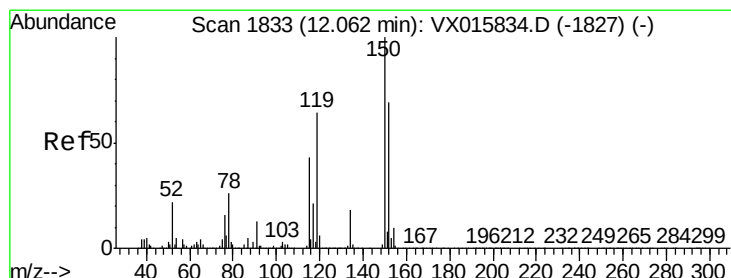
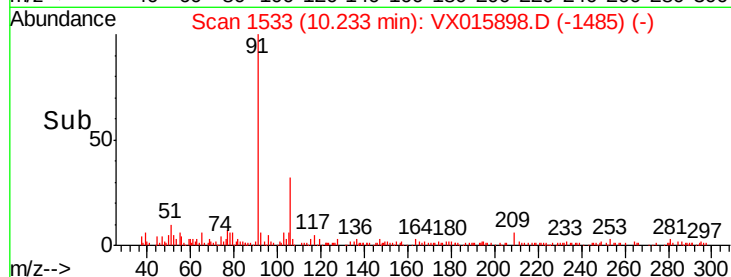
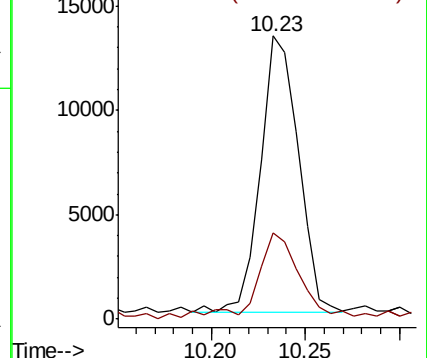
91 100

106 28.5 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): 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: VX015898.D

Acq: 23 Apr 2020 18:09

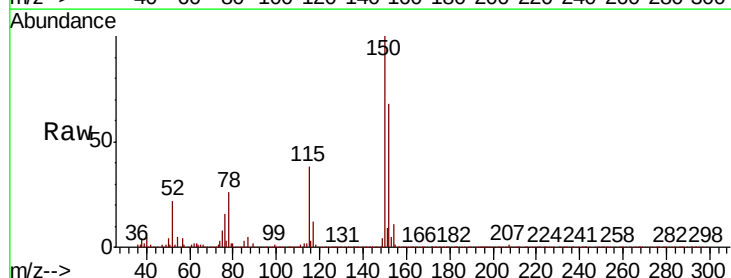
Tgt Ion: 152 Resp: 737859

Ion Ratio Lower Upper

152 100

115 55.9 39.0 116.9

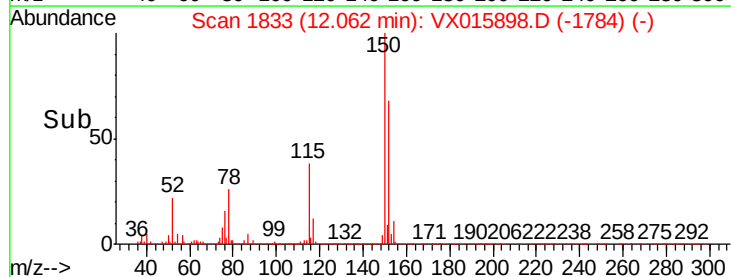
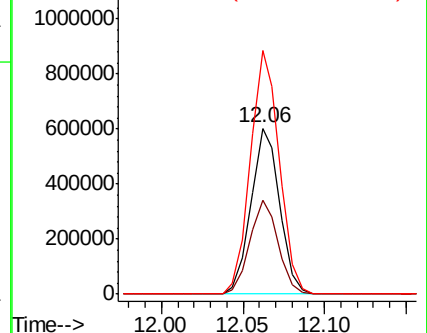
150 148.4 0.0 336.8

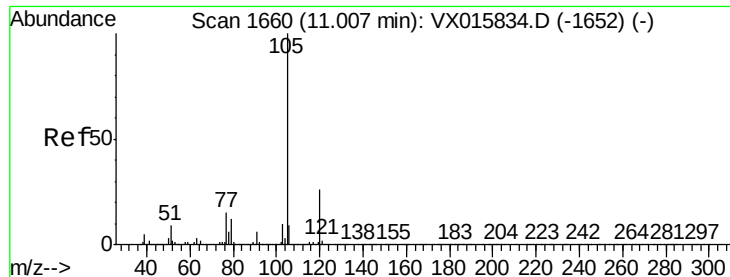


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.300 ug/l

RT: 11.01 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VX015898.D

Acq: 23 Apr 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

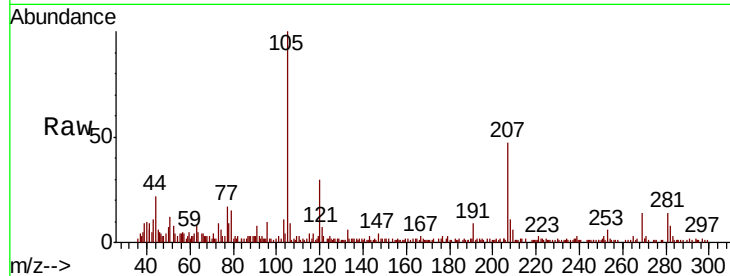
S73-0239

Tot Ion:105 Resp: 14045

Ion Ratio Lower Upper

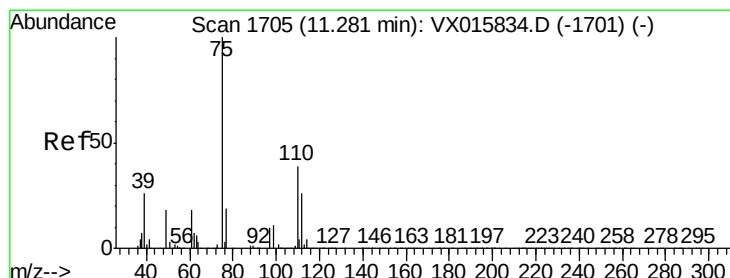
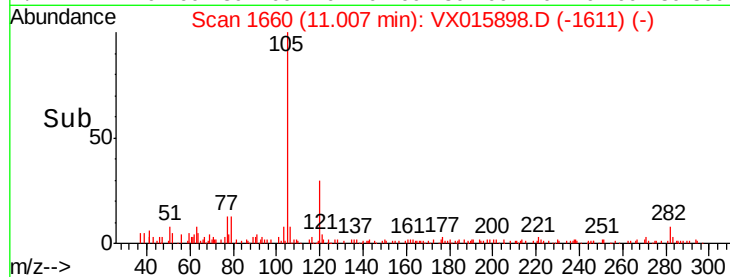
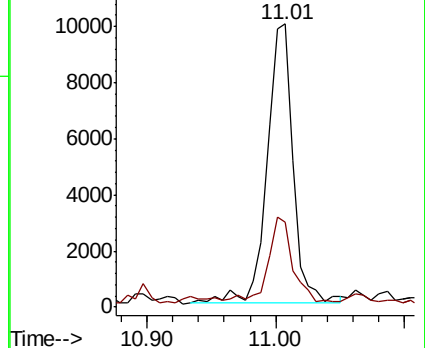
105 100

120 28.6 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: 23.530 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015898.D

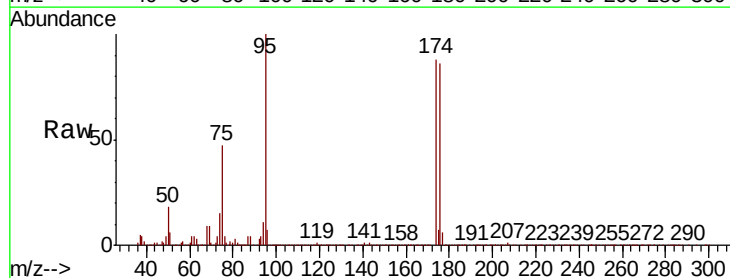
Acq: 23 Apr 2020 18:09

Tgt Ion: 75 Resp: 330146

Ion Ratio Lower Upper

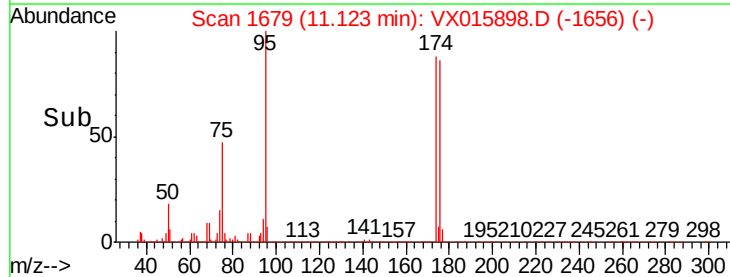
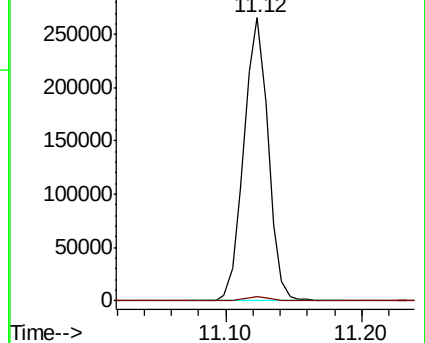
75 100

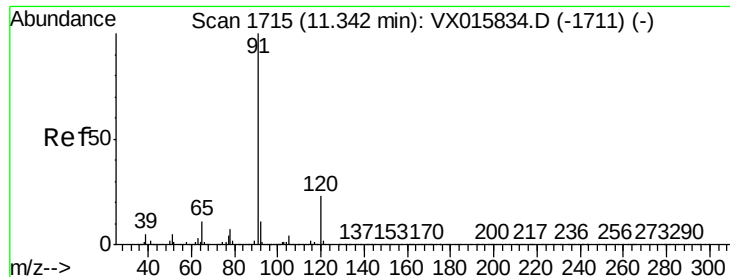
77 1.7 21.3 63.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 0.305 ug/l

RT: 11.34 min Scan# 1715

Delta R.T. 0.00 min

Lab File: VX015898.D

Acq: 23 Apr 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

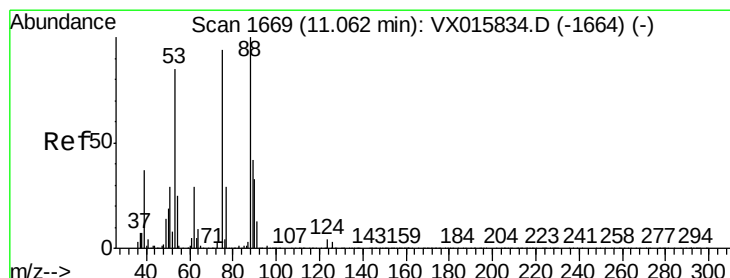
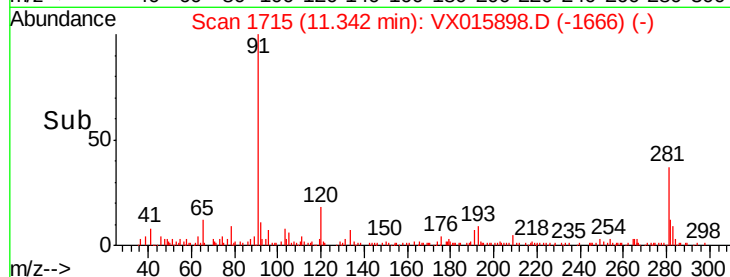
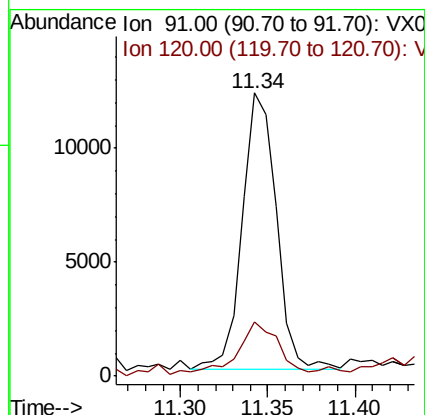
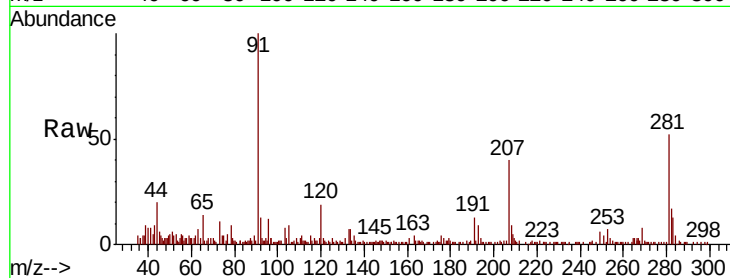
S73-0239

Tot Ion: 91 Resp: 16353

Ion Ratio Lower Upper

91 100

120 22.9 11.7 35.1



#81

trans-1,4-Dichloro-2-butene

Concen: 56.602 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015898.D

Acq: 23 Apr 2020 18:09

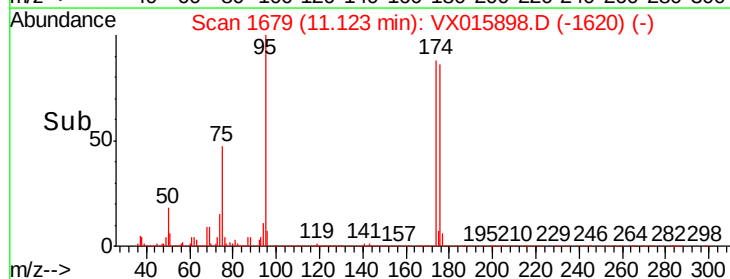
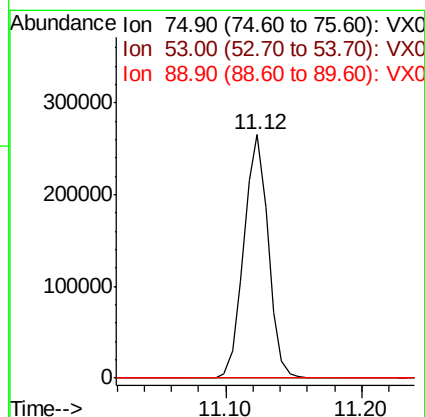
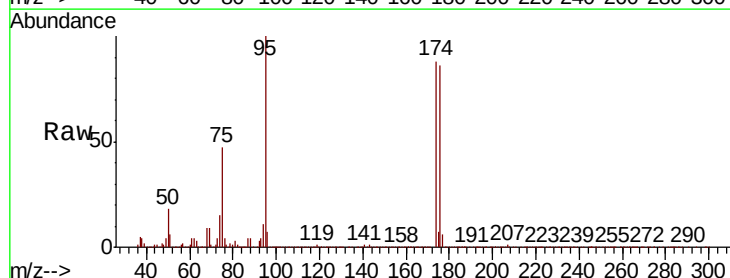
Tgt Ion: 75 Resp: 330146

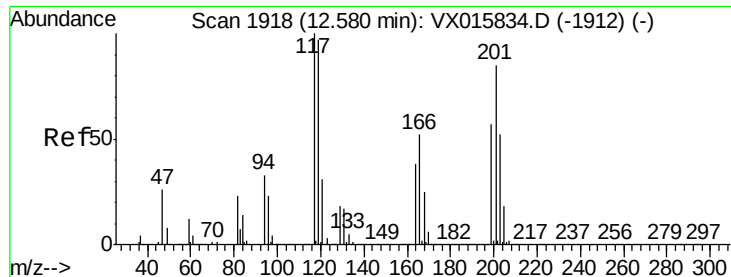
Ion Ratio Lower Upper

75 100

53 0.0 74.2 111.2#

89 0.2 38.0 57.0#





#90

Hexachloroethane

Concen: 5.079 ug/l

RT: 12.68 min Scan# 1935

Delta R.T. 0.10 min

Lab File: VX015898.D

Acq: 23 Apr 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

S73-0239

Tot Ion:117 Resp: 23442

Ion Ratio Lower Upper

117 100

201 0.6 45.6 136.9#

