

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042320\
 Data File : VX015896.D
 Acq On : 23 Apr 2020 17:24
 Operator : JC/SP
 Sample : L2403-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0238

Quant Time: Apr 24 03:33:15 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	858340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1322759	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1318963	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	734715	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	483073	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
35) Dibromofluoromethane	5.47	113	392293	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
50) Toluene-d8	8.70	98	1638695	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	
62) 4-Bromofluorobenzene	11.12	95	696701	55.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.50%	

Target Compounds

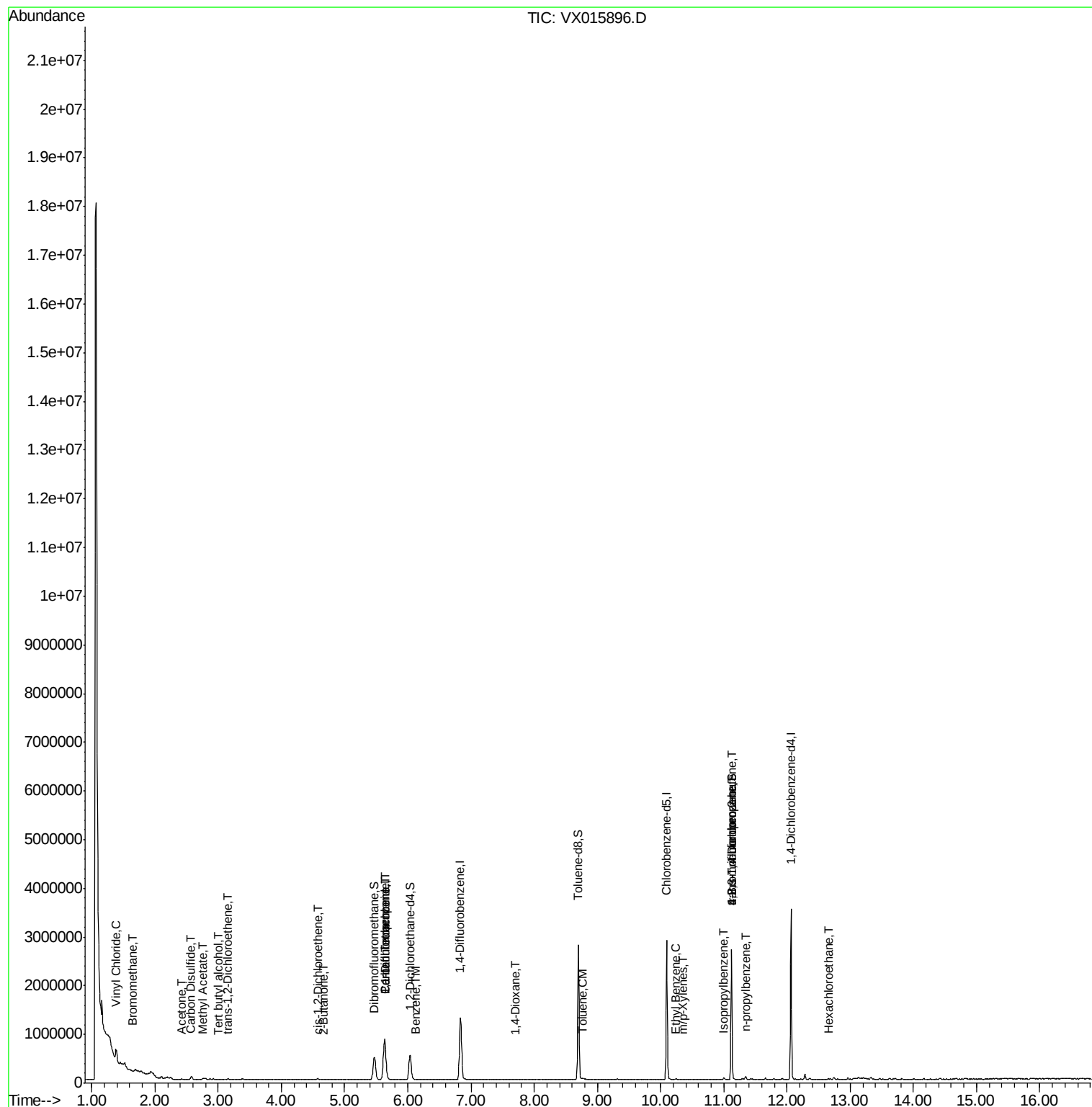
						Qvalue
4) Vinyl Chloride	1.39	62	51225	5.881	ug/l	99
5) Bromomethane	1.65	94	1049	0.359	ug/l #	42
11) Tert butyl alcohol	3.01	59	2298	1.152	ug/l #	32
16) Acetone	2.42	43	6114	1.438	ug/l	98
17) Carbon Disulfide	2.55	76	13110	0.480	ug/l	96
18) Methyl Acetate	2.75	43	6283	0.448	ug/l #	73
21) trans-1,2-Dichloroethene	3.15	96	3800	0.456	ug/l #	70
25) 2-Butanone	4.66	43	3039	0.452	ug/l #	64
27) cis-1,2-Dichloroethene	4.57	96	12516	1.322	ug/l	80
36) 1,1-Dichloropropene	5.64	75	57346	4.890	ug/l #	52
38) Carbon Tetrachloride	5.64	117	78001	6.753	ug/l #	18
40) Benzene	6.12	78	8730	0.247	ug/l #	87
49) 1,4-Dioxane	7.69	88	483	2.207	ug/l	90
52) Toluene	8.76	92	7291	0.322	ug/l	91
67) Ethyl Benzene	10.23	91	9848	0.213	ug/l	99
68) m/p-Xylenes	10.34	106	3489	0.201	ug/l #	49
73) Isopropylbenzene	11.00	105	16545	0.355	ug/l	99
76) 1,2,3-Trichloropropane	11.12	75	339745	24.318	ug/l #	36
78) n-propylbenzene	11.34	91	29868	0.559	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.12	75	339745	58.497	ug/l #	12
90) Hexachloroethane	12.65	117	1086	0.236	ug/l #	28

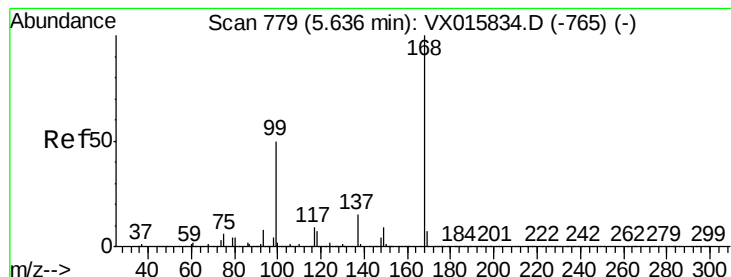
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.64 min Scan# 779

Delta R.T. 0.00 min

Lab File: VX015896.D

Acq: 23 Apr 2020 17:24

Instrument :

MSVOA_X

ClientSampleId :

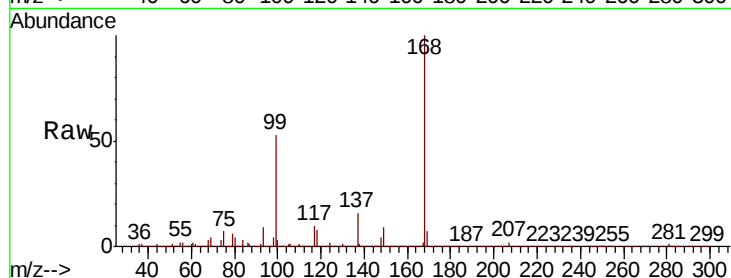
S73-0238

Tot Ion:168 Resp: 858340

Ion Ratio Lower Upper

168 100

99 52.7 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

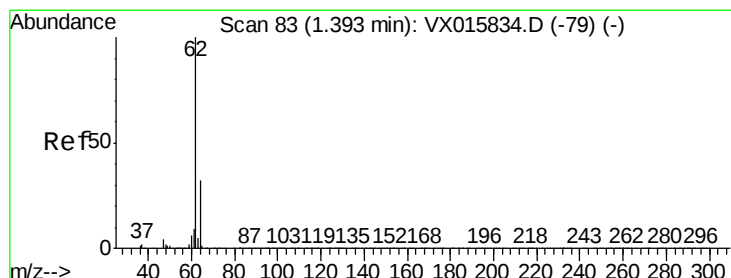
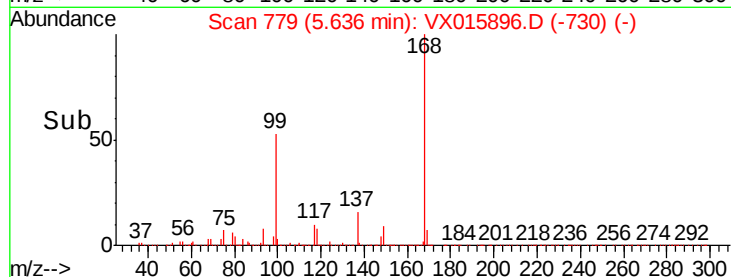
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 5.881 ug/l

RT: 1.39 min Scan# 83

Delta R.T. 0.00 min

Lab File: VX015896.D

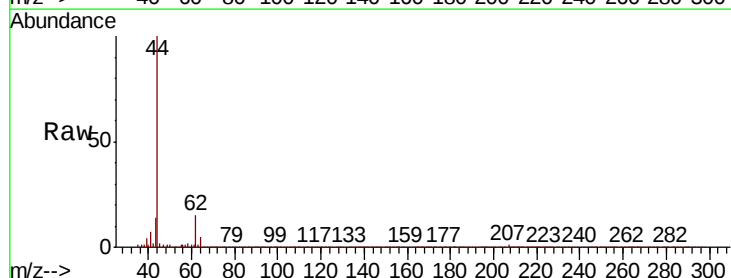
Acq: 23 Apr 2020 17:24

Tgt Ion: 62 Resp: 51225

Ion Ratio Lower Upper

62 100

64 32.4 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

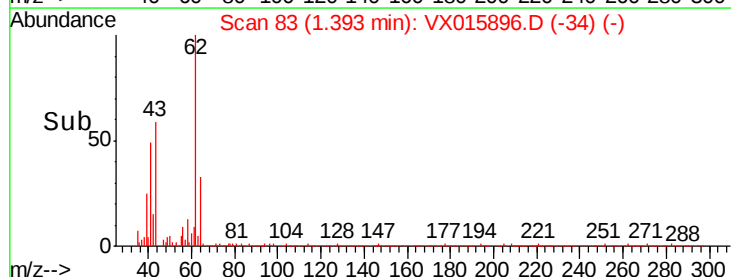
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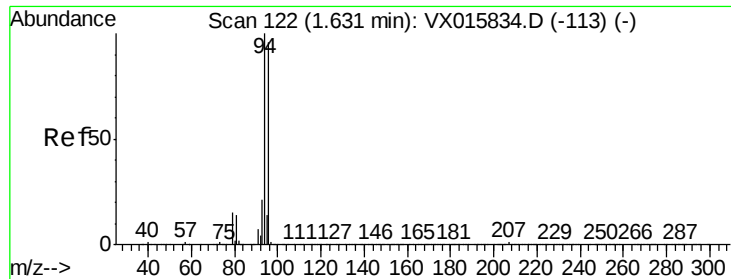
20000

10000

0

Time-->





#5

Bromomethane

Concen: 0.359 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX015896.D

Acq: 23 Apr 2020 17:24

Instrument :

MSVOA_X

ClientSampled :

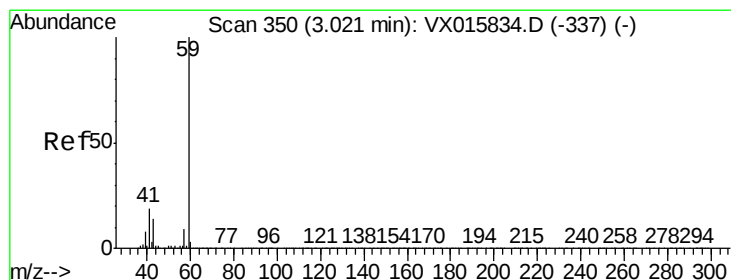
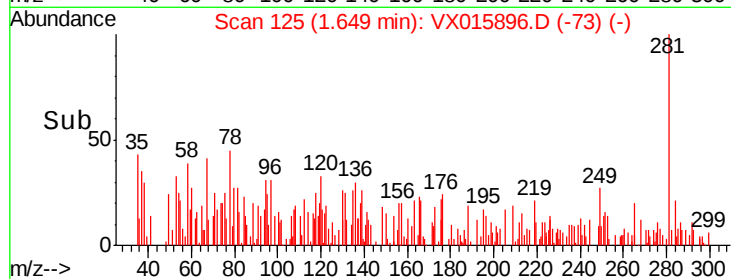
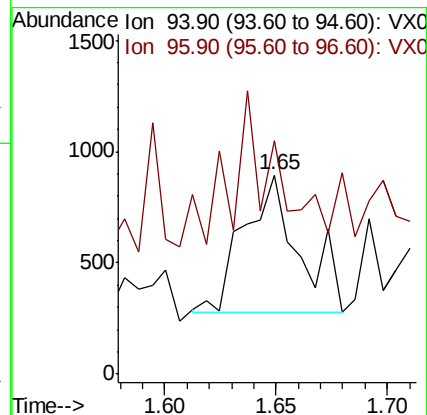
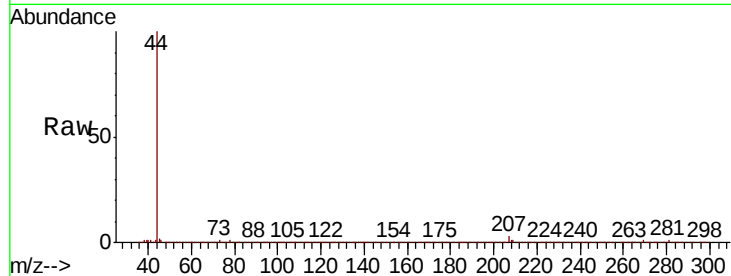
S73-0238

Tot Ion: 94 Resp: 1049

Ion Ratio Lower Upper

94 100

96 39.5 76.7 115.1#



#11

Tert butyl alcohol

Concen: 1.152 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.01 min

Lab File: VX015896.D

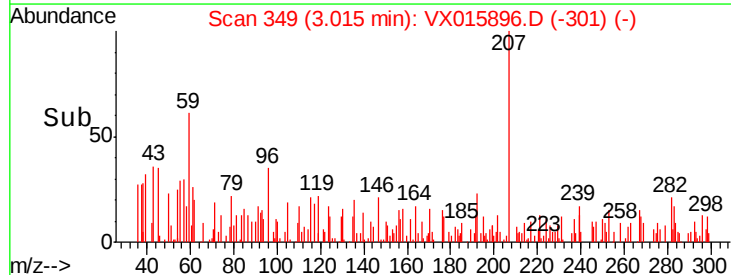
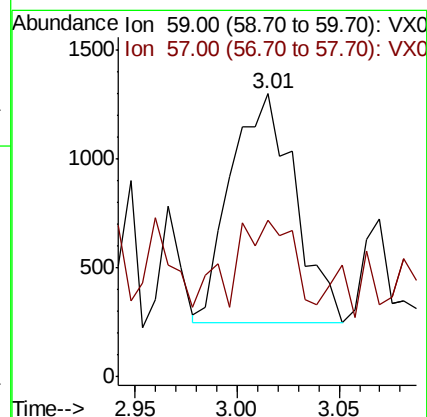
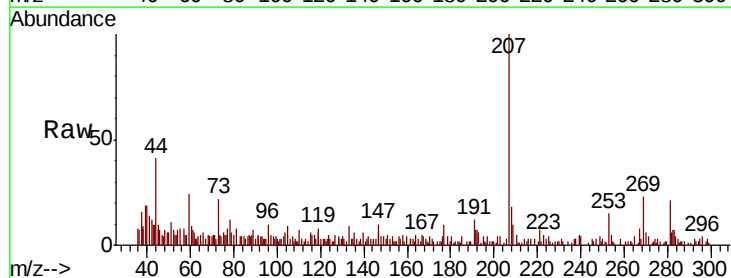
Acq: 23 Apr 2020 17:24

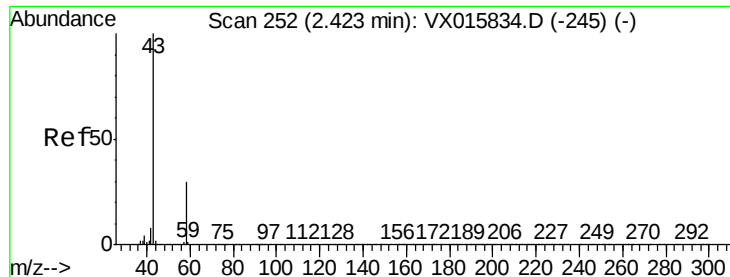
Tgt Ion: 59 Resp: 2298

Ion Ratio Lower Upper

59 100

57 35.5 8.2 12.2#





#16

Acetone

Concen: 1.438 ug/l

RT: 2.42 min Scan# 251

Delta R.T. -0.01 min

Lab File: VX015896.D

Acq: 23 Apr 2020 17:24

Instrument :

MSVOA_X

ClientSampleId :

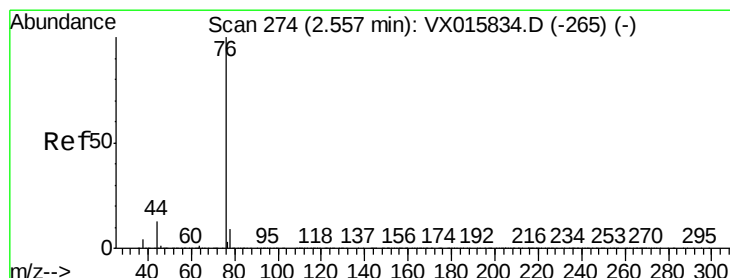
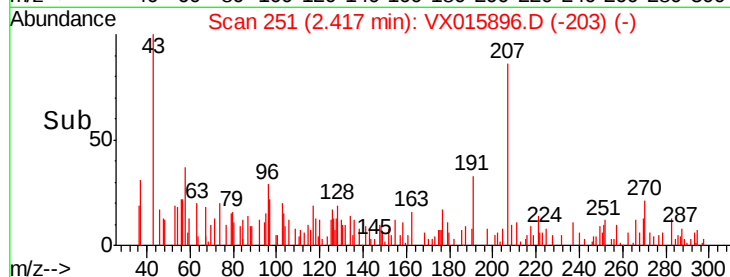
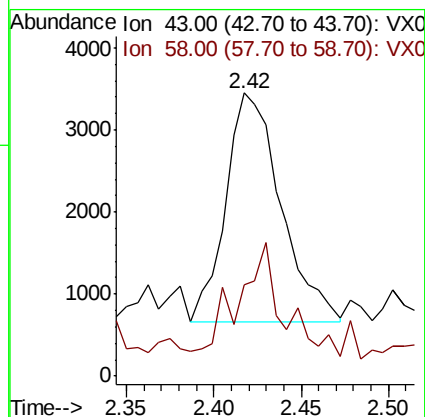
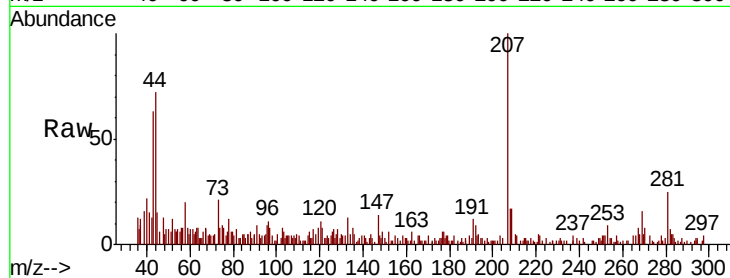
S73-0238

Tot Ion: 43 Resp: 6114

Ion Ratio Lower Upper

43 100

58 31.3 24.0 36.0



#17

Carbon Disulfide

Concen: 0.480 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX015896.D

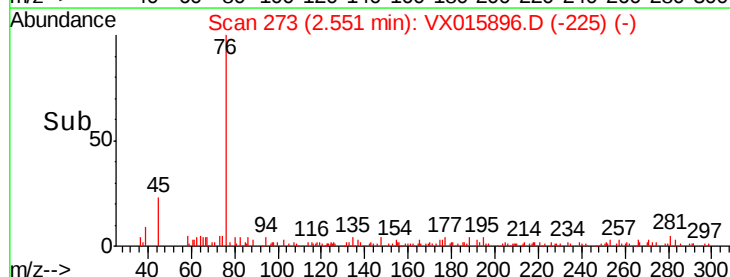
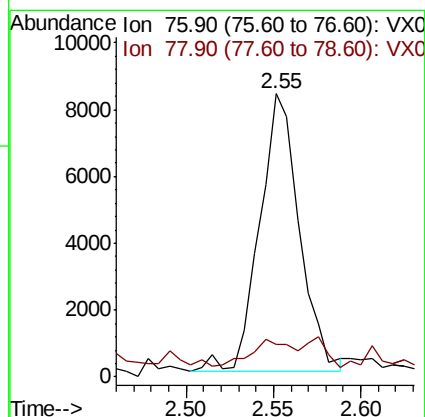
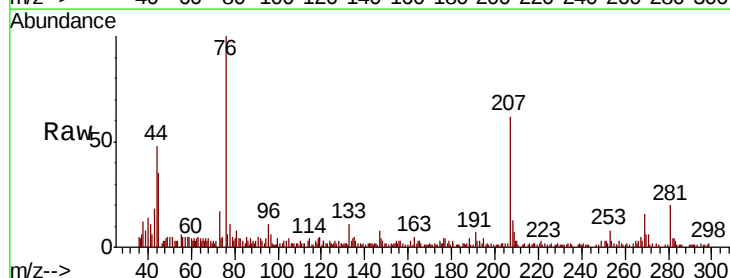
Acq: 23 Apr 2020 17:24

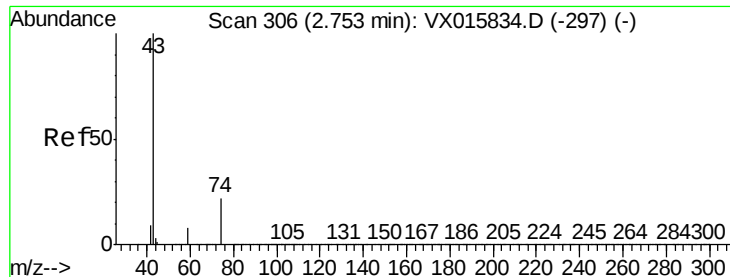
Tgt Ion: 76 Resp: 13110

Ion Ratio Lower Upper

76 100

78 7.9 7.4 11.2

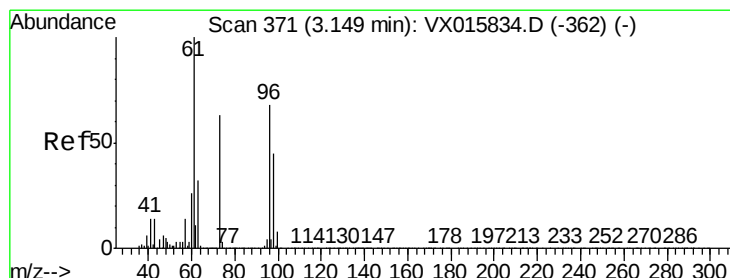
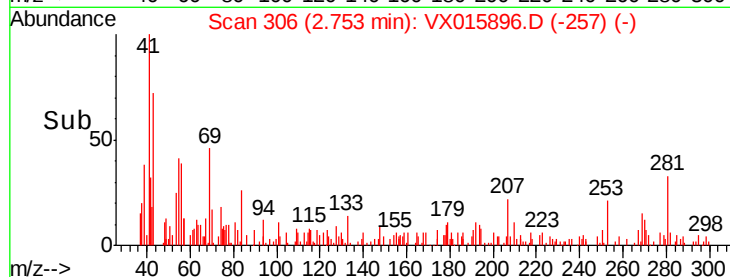
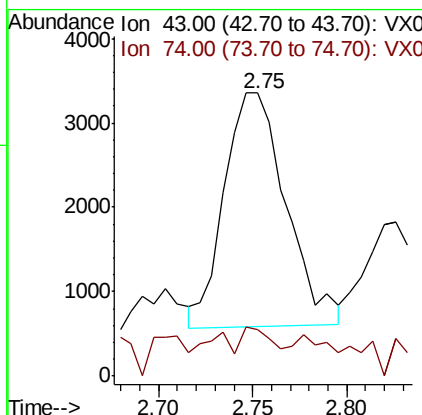
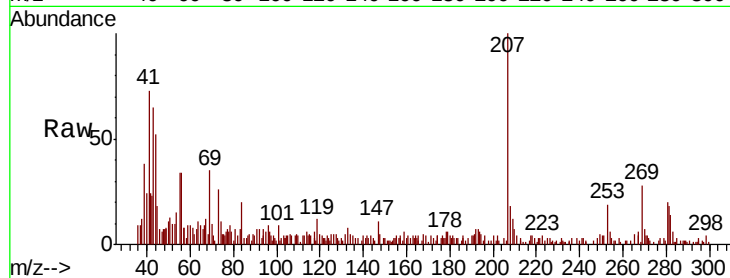




#18
Methyl Acetate
Concen: 0.448 ug/l
RT: 2.75 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX015896.D
Acq: 23 Apr 2020 17:24

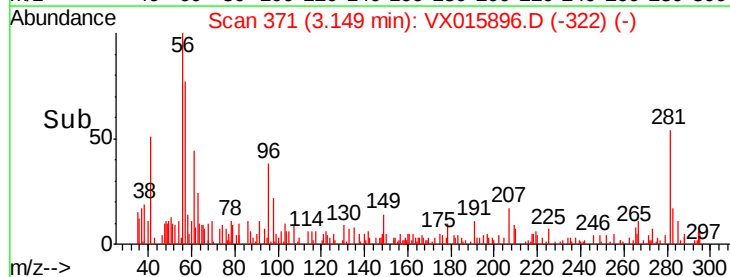
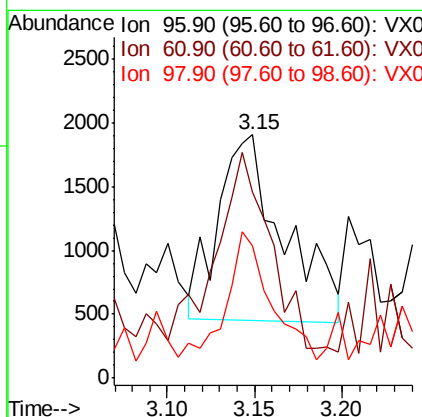
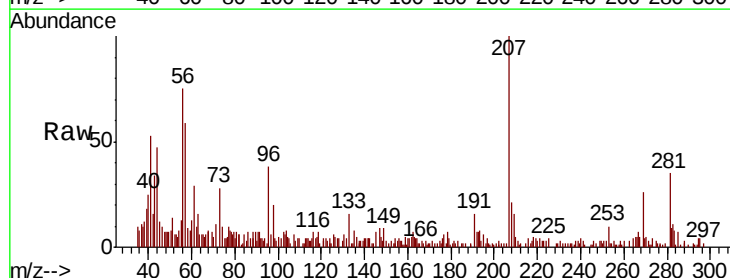
Instrument :
MSVOA_X
ClientSampled :
S73-0238

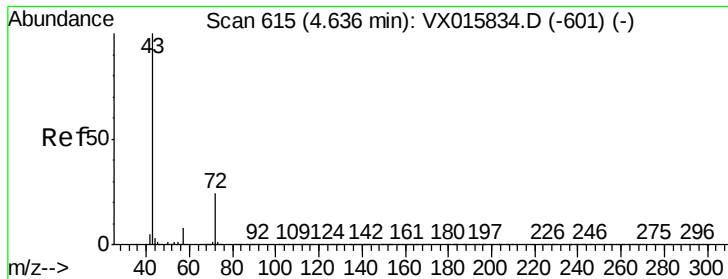
Tot Ion: 43 Resp: 6283
Ion Ratio Lower Upper
43 100
74 9.5 17.9 26.9#



#21
trans-1,2-Dichloroethene
Concen: 0.456 ug/l
RT: 3.15 min Scan# 371
Delta R.T. 0.00 min
Lab File: VX015896.D
Acq: 23 Apr 2020 17:24

Tgt Ion: 96 Resp: 3800
Ion Ratio Lower Upper
96 100
61 99.3 117.5 176.3#
98 76.0 52.7 79.1





#25

2-Butanone

Concen: 0.452 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.02 min

Lab File: VX015896.D

Acq: 23 Apr 2020 17:24

Instrument :

MSVOA_X

ClientSampled :

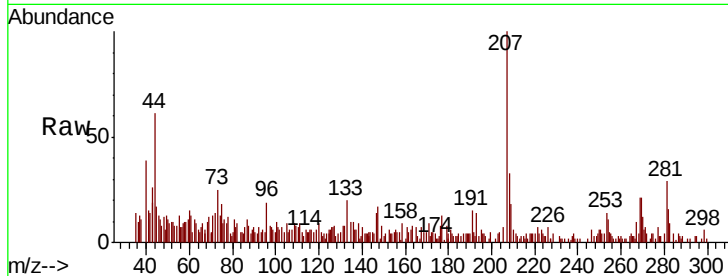
S73-0238

Tot Ion: 43 Resp: 3039

Ion Ratio Lower Upper

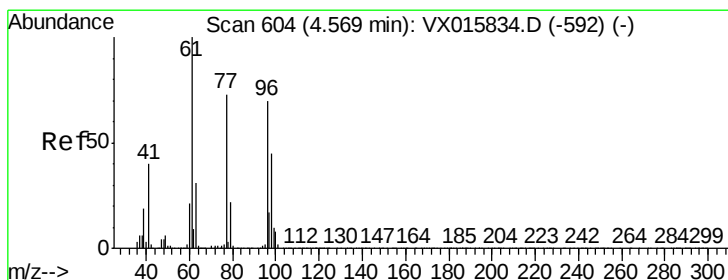
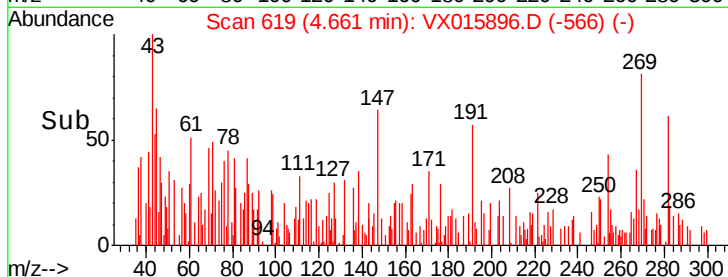
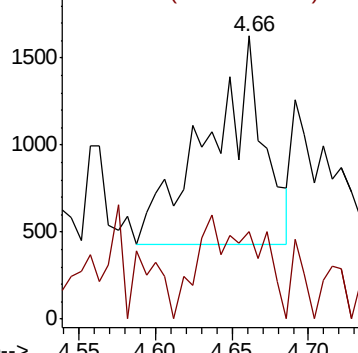
43 100

72 42.1 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 1.322 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX015896.D

Acq: 23 Apr 2020 17:24

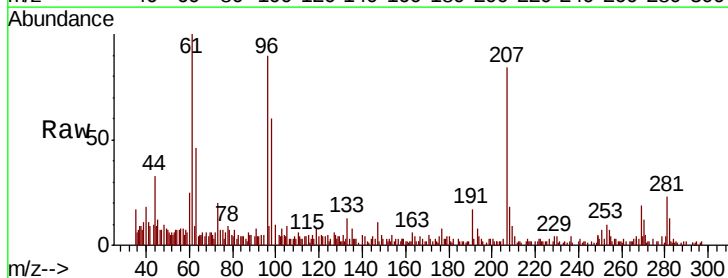
Tgt Ion: 96 Resp: 12516

Ion Ratio Lower Upper

96 100

61 124.2 0.0 299.4

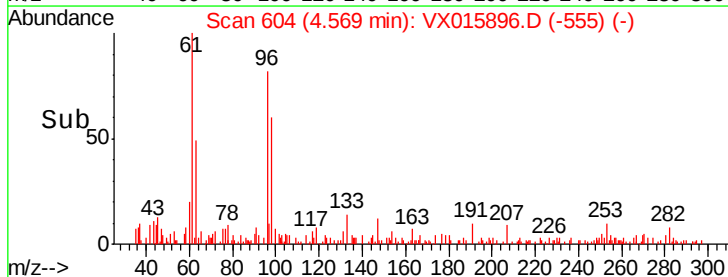
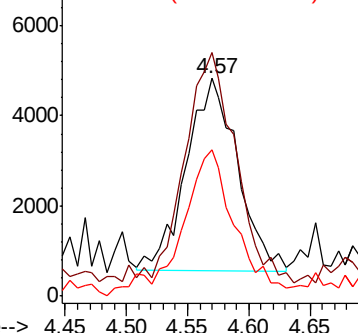
98 79.0 0.0 129.6

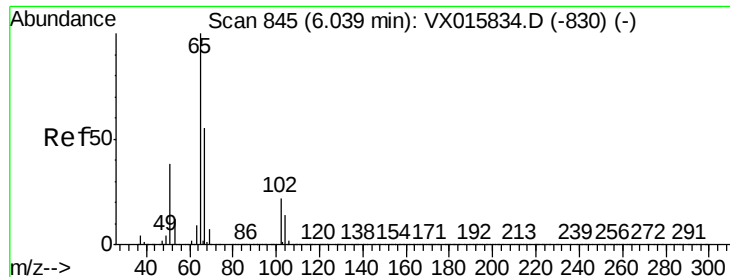


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.483 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.00 min

Lab File: VX015896.D

Acq: 23 Apr 2020 17:24

Instrument :

MSVOA_X

ClientSampleId :

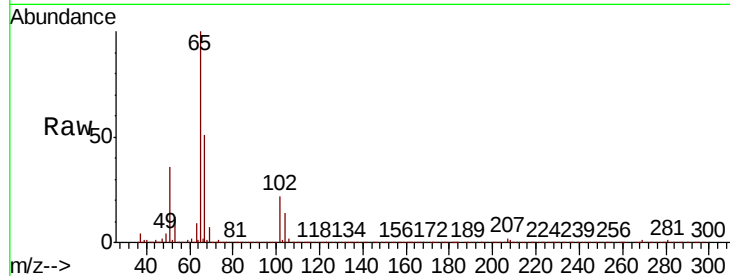
S73-0238

Tot Ion: 65 Resp: 483073

Ion Ratio Lower Upper

65 100

67 52.9 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

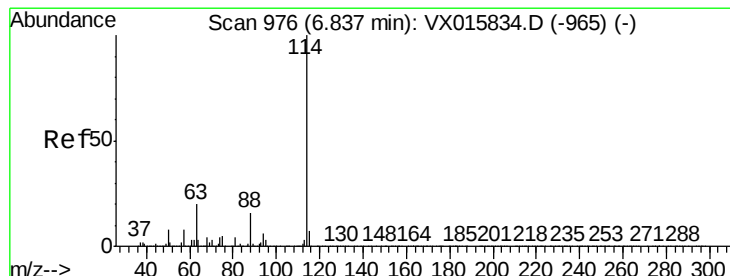
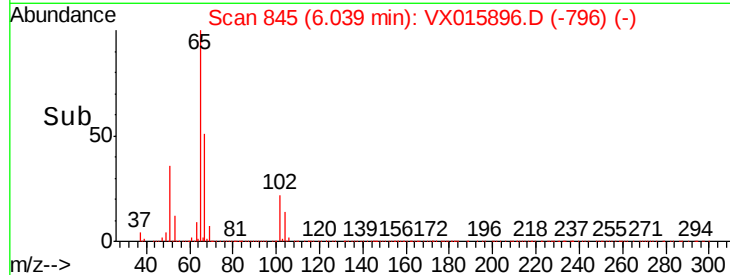
150000

100000

50000

0

Time--> 5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: VX015896.D

Acq: 23 Apr 2020 17:24

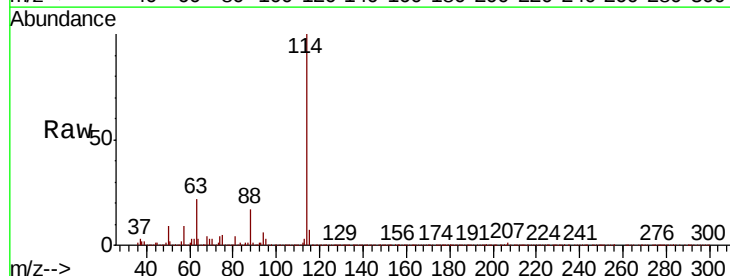
Tgt Ion: 114 Resp: 1322759

Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.6

88 16.6 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

6.83

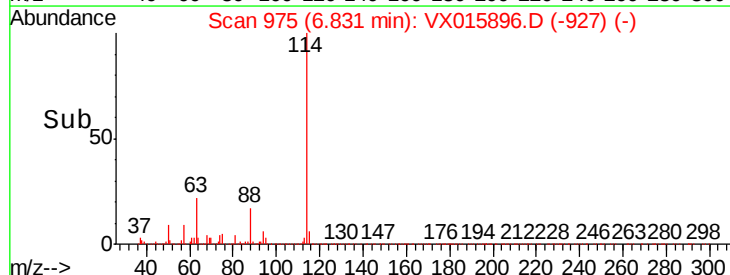
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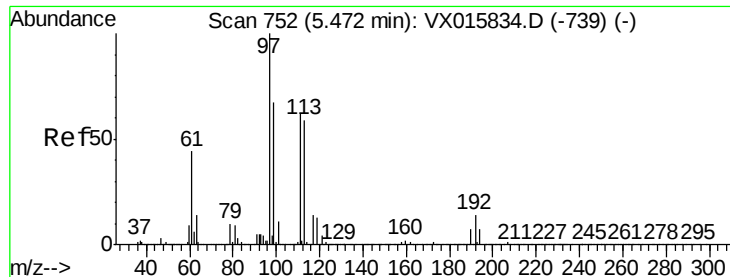
400000

200000

0

Time--> 6.70 6.80 6.90

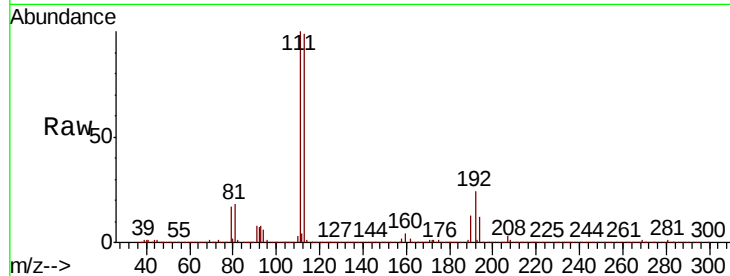




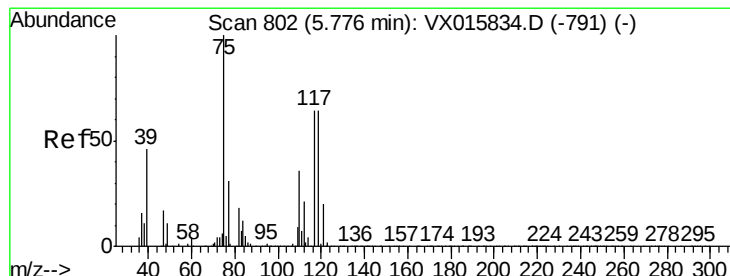
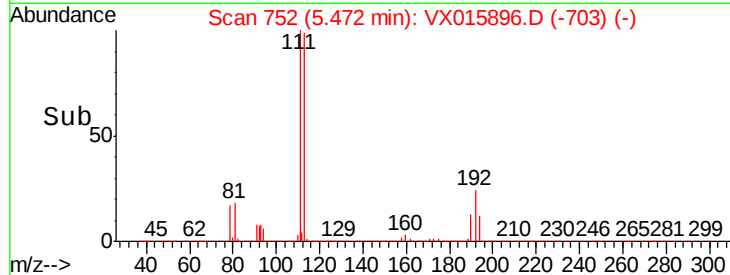
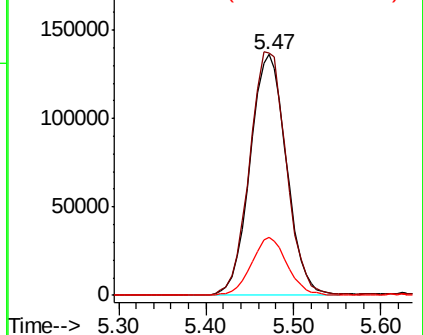
#35
 Dibromofluoromethane
 Concen: 51.379 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VX015896.D
 Acq: 23 Apr 2020 17:24

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0238

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.7	124.1
192	23.6	19.3	28.9

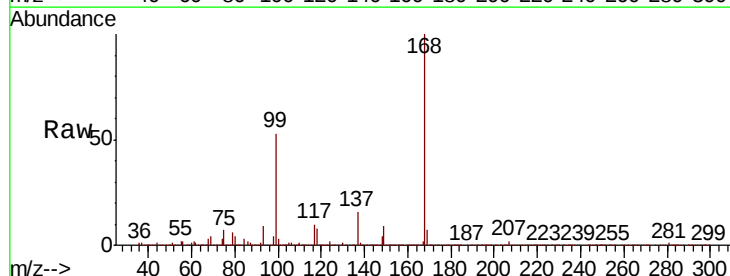


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

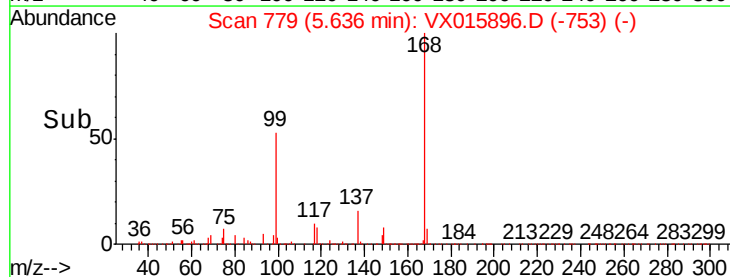
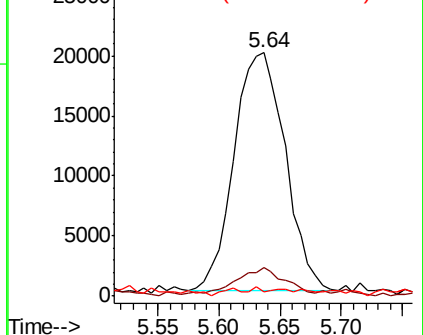


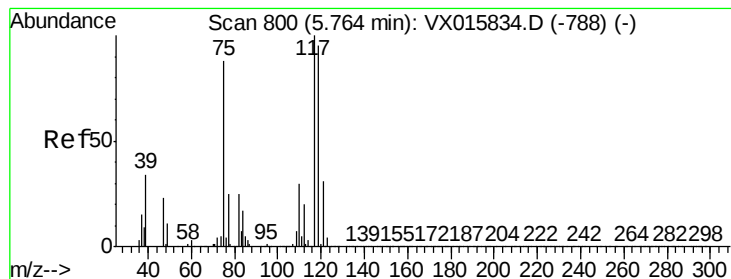
#36
 1,1-Dichloropropene
 Concen: 4.890 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.14 min
 Lab File: VX015896.D
 Acq: 23 Apr 2020 17:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.8	17.9	53.8#
77	0.4	24.5	36.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.753 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.13 min

Lab File: VX015896.D

Acq: 23 Apr 2020 17:24

Instrument :

MSVOA_X

ClientSampleId :

S73-0238

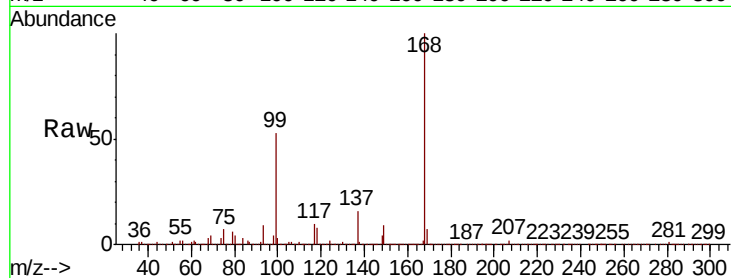
Tot Ion:117 Resp: 78001

Ion Ratio Lower Upper

117 100

119 7.1 75.7 113.5#

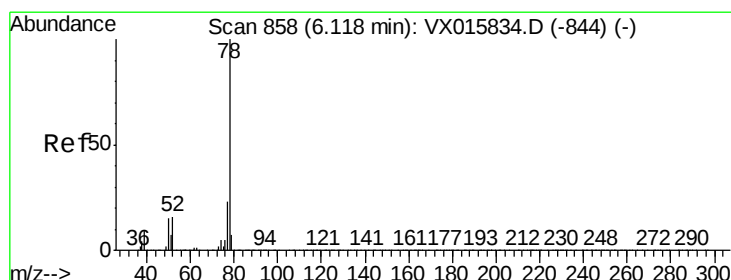
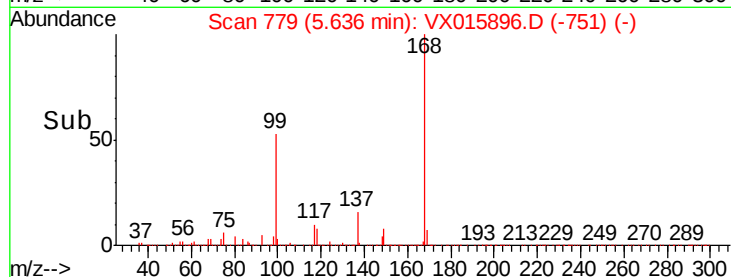
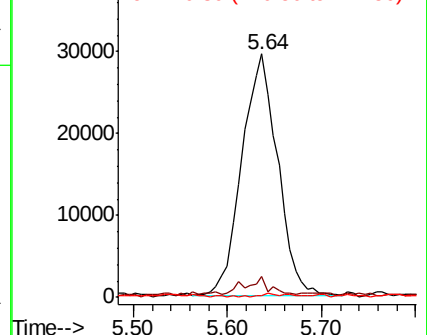
121 0.0 25.0 37.6#



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



#40

Benzene

Concen: 0.247 ug/l

RT: 6.12 min Scan# 859

Delta R.T. 0.01 min

Lab File: VX015896.D

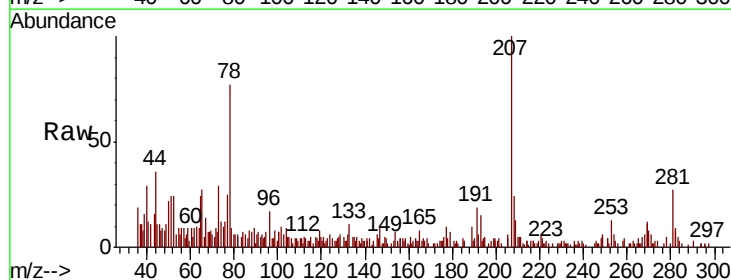
Acq: 23 Apr 2020 17:24

Tgt Ion: 78 Resp: 8730

Ion Ratio Lower Upper

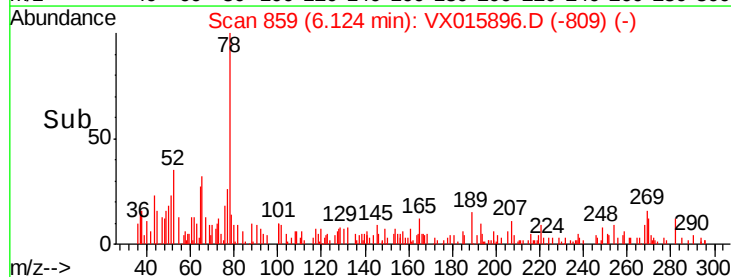
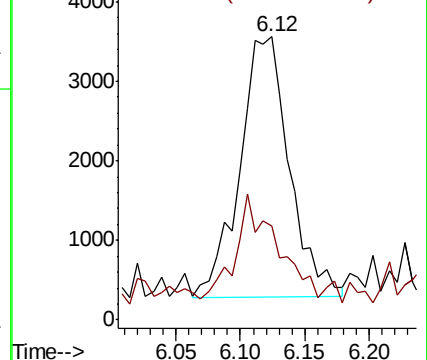
78 100

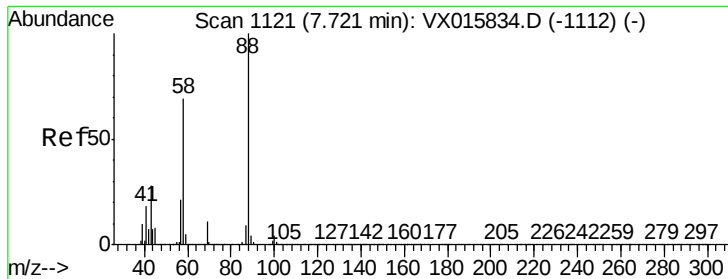
77 29.4 18.6 27.8#



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

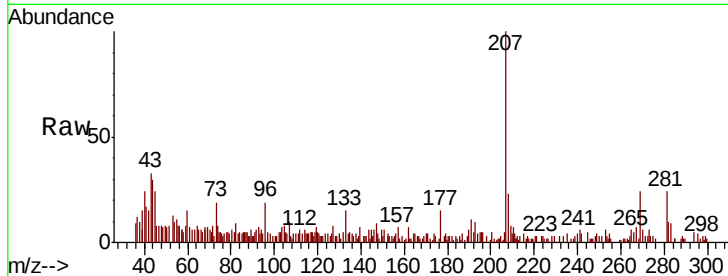




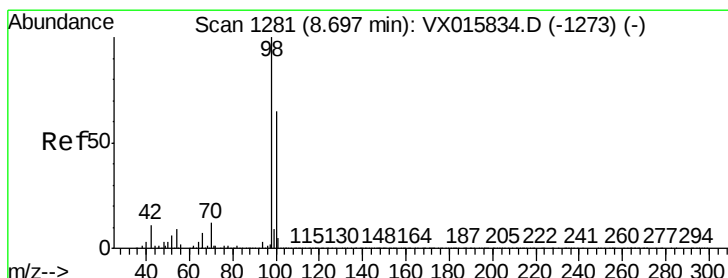
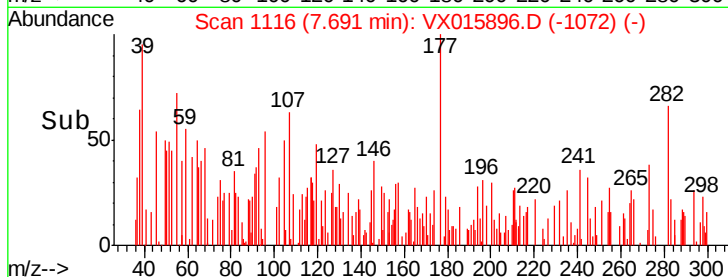
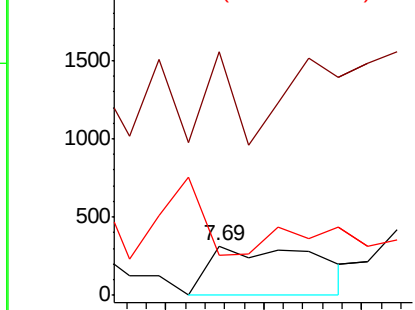
#49
1,4-Dioxane
Concen: 2.207 ug/l
RT: 7.69 min Scan# 1116
Delta R.T. -0.03 min
Lab File: VX015896.D
Acq: 23 Apr 2020 17:24

Instrument :
MSVOA_X
ClientSampleId :
S73-0238

Tot Ion: 88 Resp: 483
Ion Ratio Lower Upper
88 100
43 39.8 28.2 42.4
58 64.6 58.9 88.3

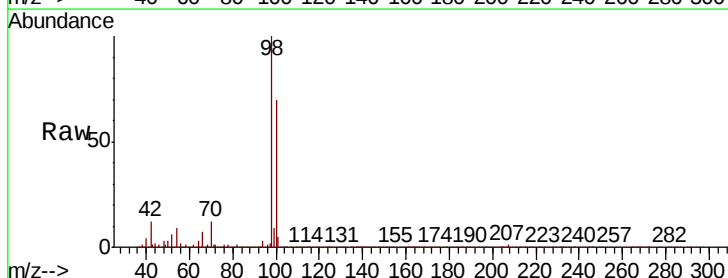


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

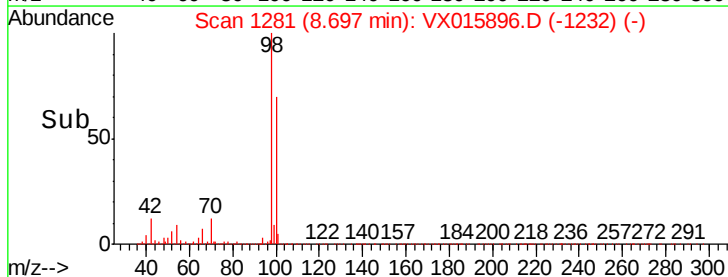
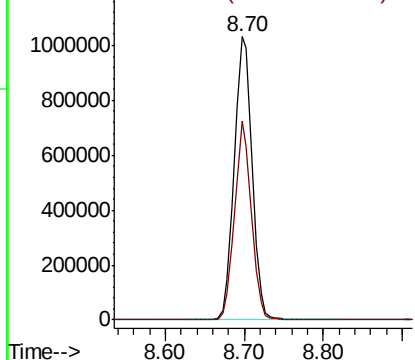


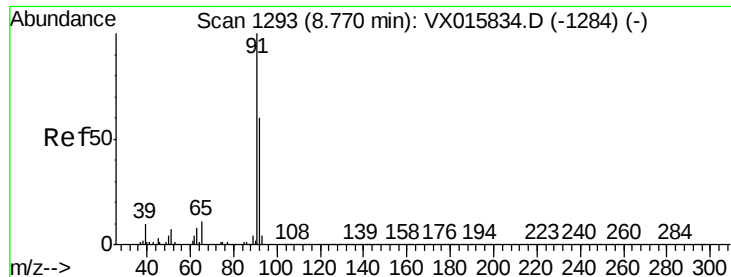
#50
Toluene-d8
Concen: 53.314 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015896.D
Acq: 23 Apr 2020 17:24

Tgt Ion: 98 Resp: 1638695
Ion Ratio Lower Upper
98 100
100 65.8 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: 0.322 ug/l

RT: 8.76 min Scan# 1292

Delta R.T. -0.01 min

Lab File: VX015896.D

Acq: 23 Apr 2020 17:24

Instrument :

MSVOA_X

ClientSampleId :

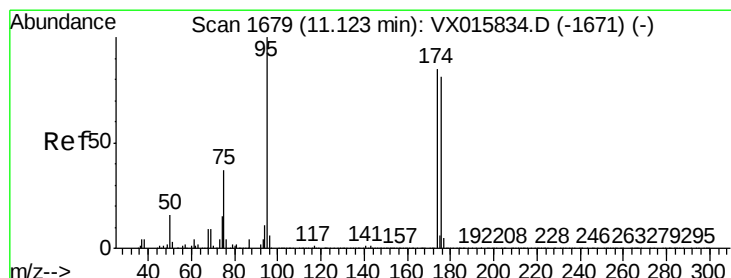
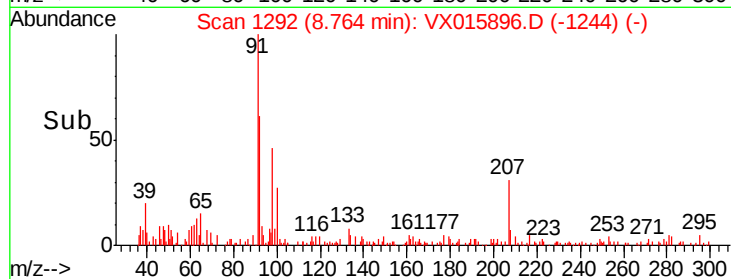
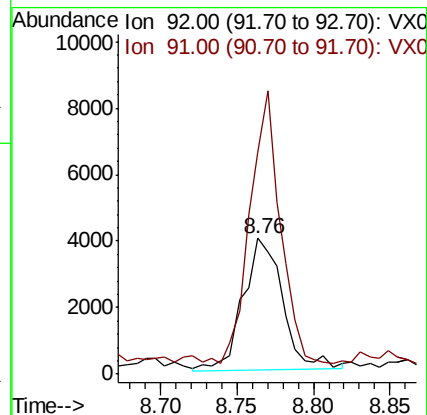
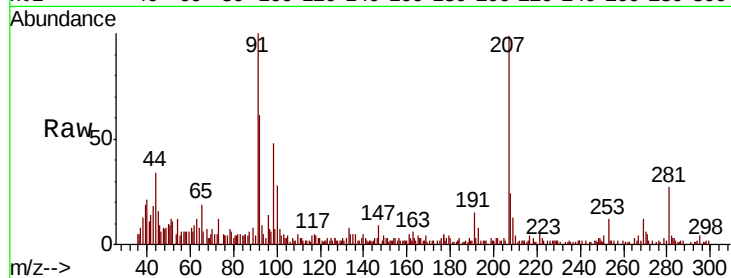
S73-0238

Tot Ion: 92 Resp: 7291

Ion Ratio Lower Upper

92 100

91 154.4 133.4 200.0



#62

4-Bromofluorobenzene

Concen: 55.254 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015896.D

Acq: 23 Apr 2020 17:24

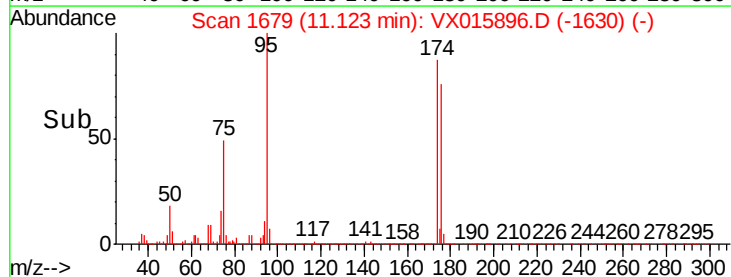
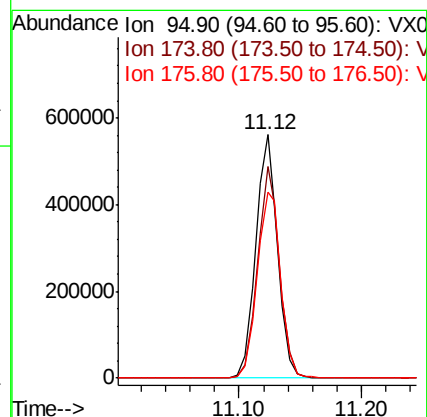
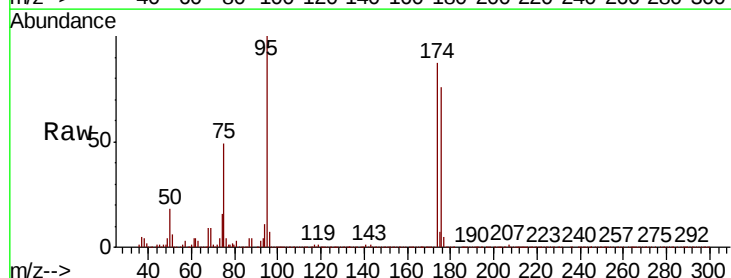
Tgt Ion: 95 Resp: 696701

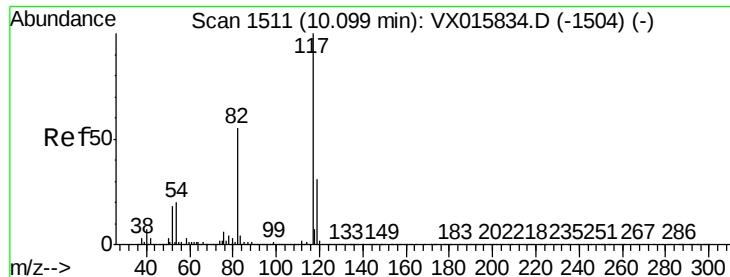
Ion Ratio Lower Upper

95 100

174 87.5 0.0 172.4

176 83.3 0.0 167.0

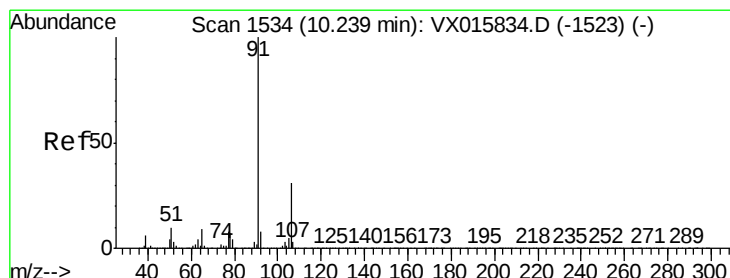
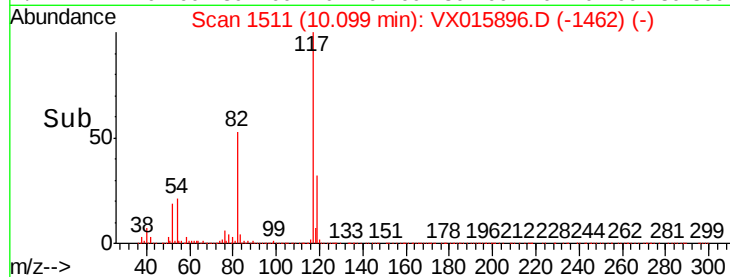
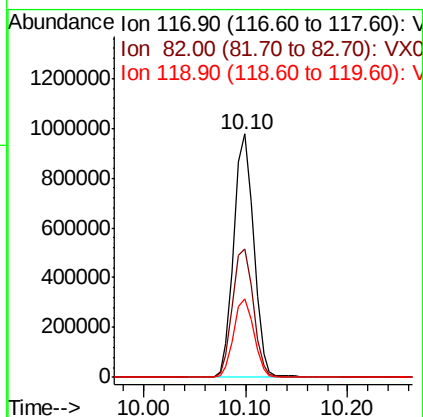
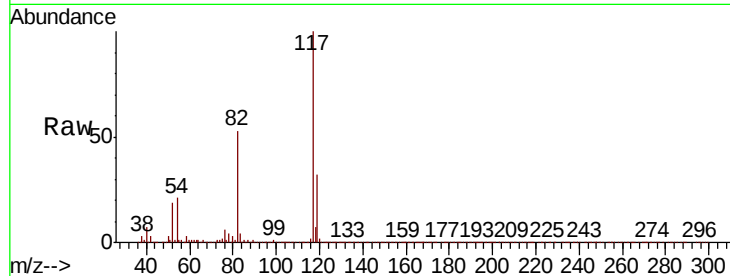




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015896.D
Acq: 23 Apr 2020 17:24

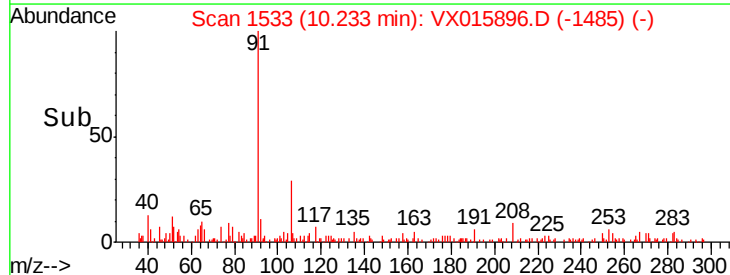
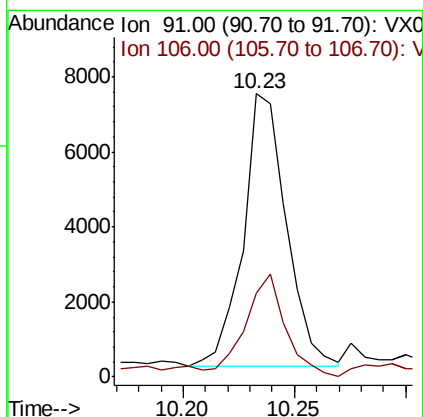
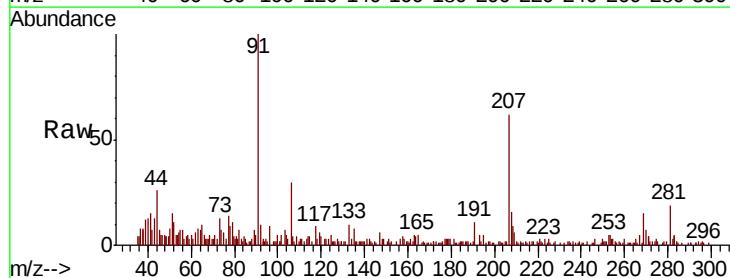
Instrument :
MSVOA_X
ClientSampled :
S73-0238

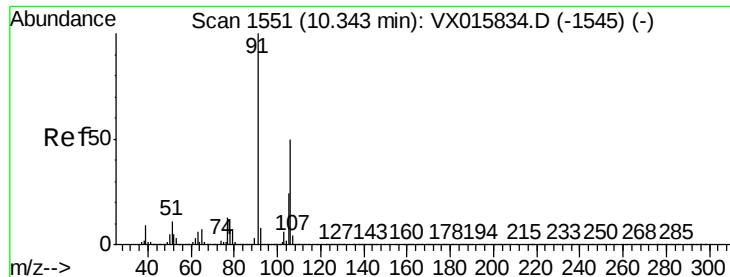
Tot Ion:117 Resp: 1318963
Ion Ratio Lower Upper
117 100
82 52.9 43.9 65.9
119 32.3 25.1 37.7



#67
Ethyl Benzene
Concen: 0.213 ug/l
RT: 10.23 min Scan# 1533
Delta R.T. -0.01 min
Lab File: VX015896.D
Acq: 23 Apr 2020 17:24

Tgt Ion: 91 Resp: 9848
Ion Ratio Lower Upper
91 100
106 30.7 25.0 37.4

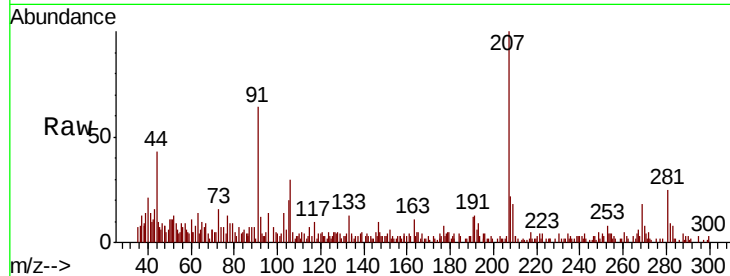




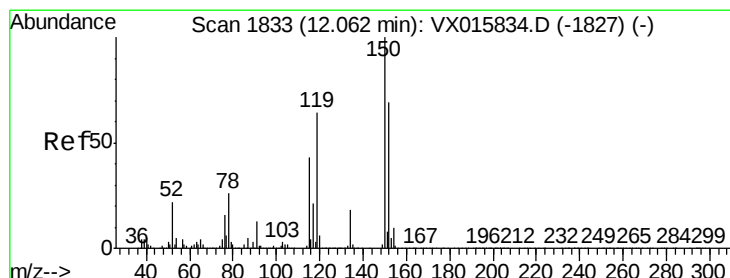
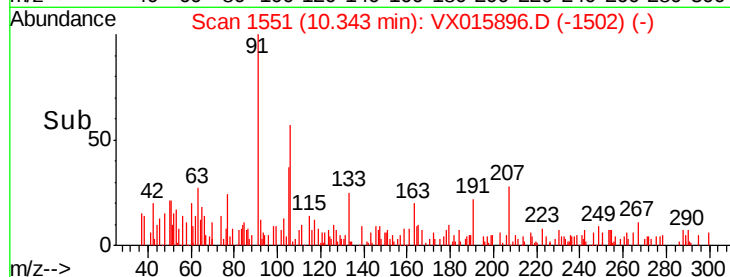
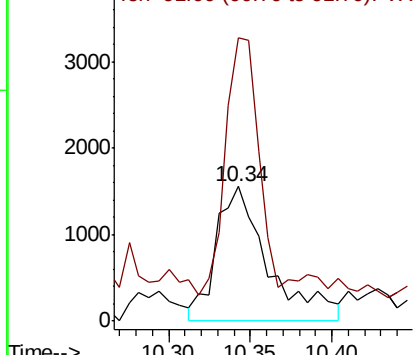
#68
m/p-Xvlenes
Concen: 0.201 ug/l
RT: 10.34 min Scan# 1551
Delta R.T. 0.00 min
Lab File: VX015896.D
Acq: 23 Apr 2020 17:24

Instrument :
MSVOA_X
ClientSampled :
S73-0238

Tot Ion:106 Resp: 3489
Ion Ratio Lower Upper
106 100
91 124.1 161.1 241.7#

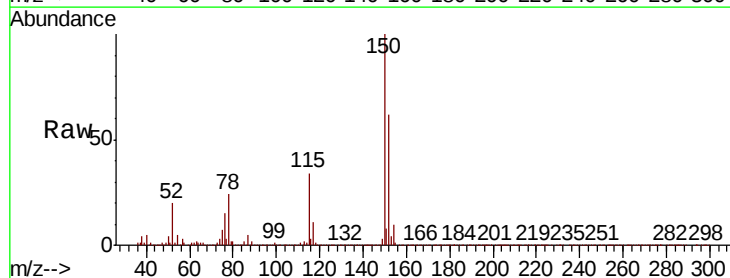


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

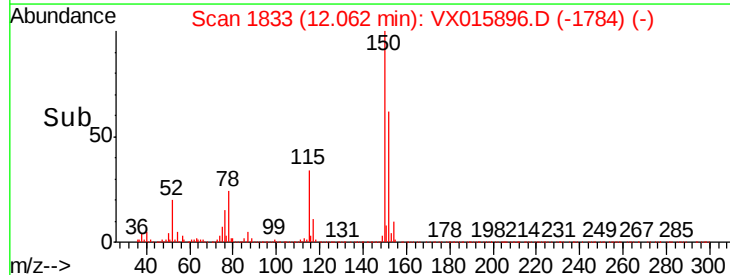
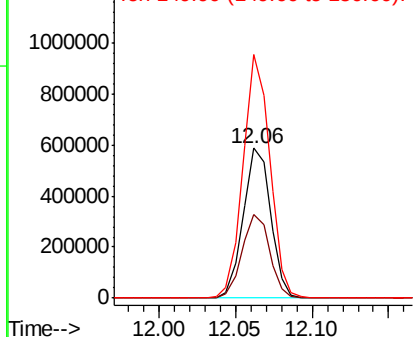


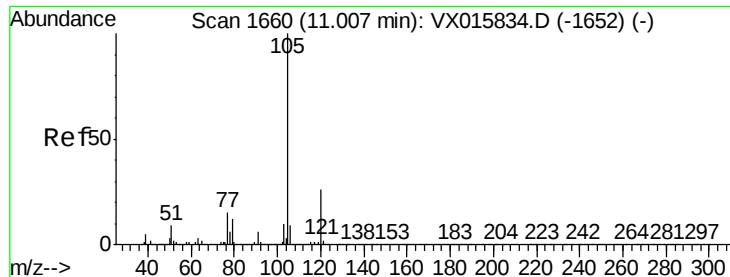
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015896.D
Acq: 23 Apr 2020 17:24

Tgt Ion:152 Resp: 734715
Ion Ratio Lower Upper
152 100
115 55.6 39.0 116.9
150 158.1 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: 0.355 ug/l

RT: 11.00 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VX015896.D

Acq: 23 Apr 2020 17:24

Instrument :

MSVOA_X

ClientSampled :

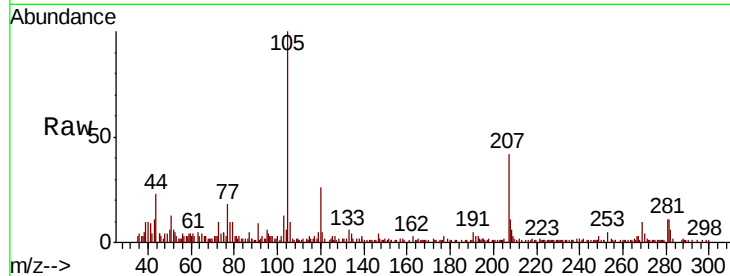
S73-0238

Tot Ion:105 Resp: 16545

Ion Ratio Lower Upper

105 100

120 25.6 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

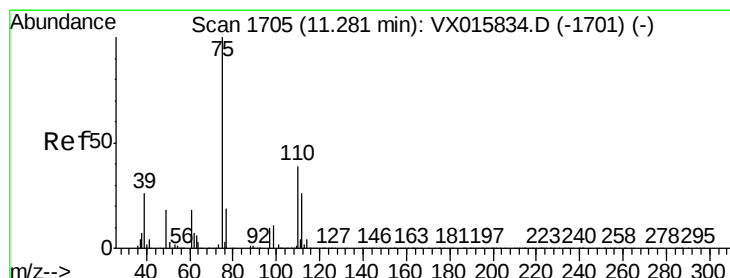
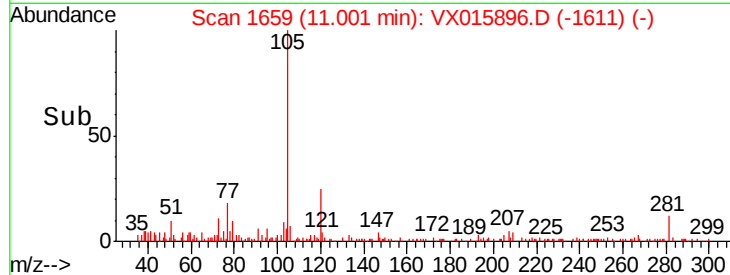
11.00

10000

5000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 24.318 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015896.D

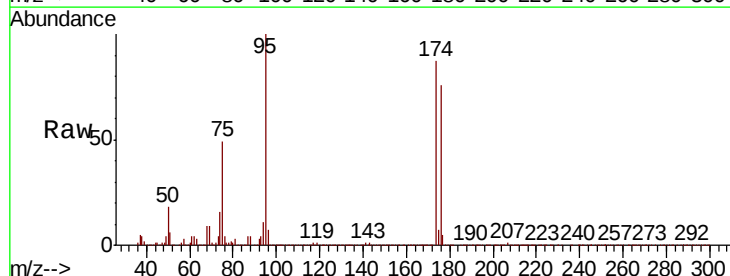
Acq: 23 Apr 2020 17:24

Tgt Ion: 75 Resp: 339745

Ion Ratio Lower Upper

75 100

77 1.5 21.3 63.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12

300000

250000

200000

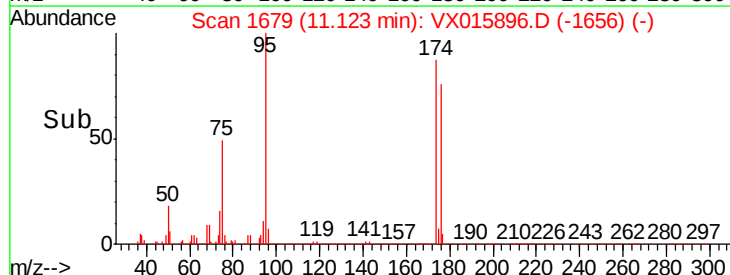
150000

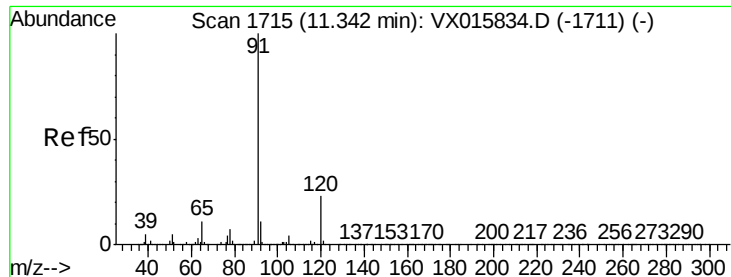
100000

50000

0

Time-->





#78

n-propylbenzene

Concen: 0.559 ug/l

RT: 11.34 min Scan# 1715

Delta R.T. 0.00 min

Lab File: VX015896.D

Acq: 23 Apr 2020 17:24

Instrument :

MSVOA_X

ClientSampled :

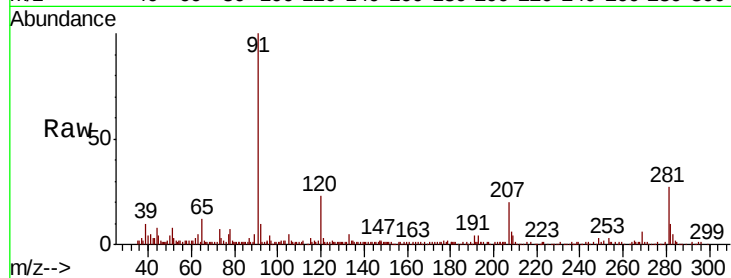
S73-0238

Tot Ion: 91 Resp: 29868

Ion Ratio Lower Upper

91 100

120 25.5 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.34

25000

20000

15000

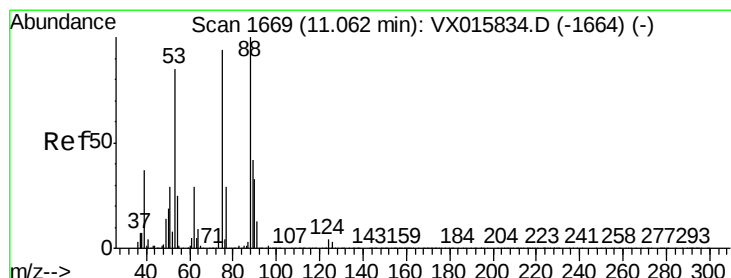
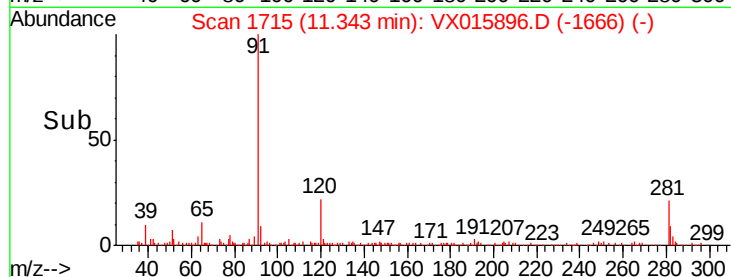
10000

5000

0

Time-->

11.30 11.35 11.40



#81

trans-1,4-Dichloro-2-butene

Concen: 58.497 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015896.D

Acq: 23 Apr 2020 17:24

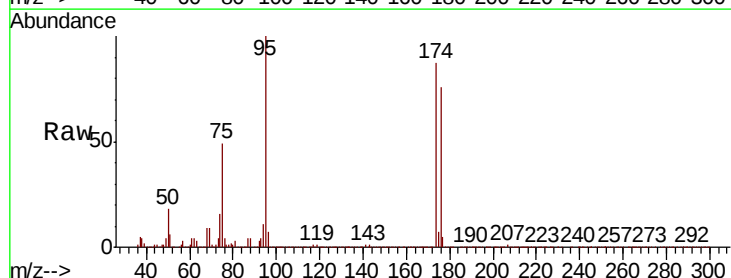
Tgt Ion: 75 Resp: 339745

Ion Ratio Lower Upper

75 100

53 0.3 74.2 111.2#

89 0.1 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

300000

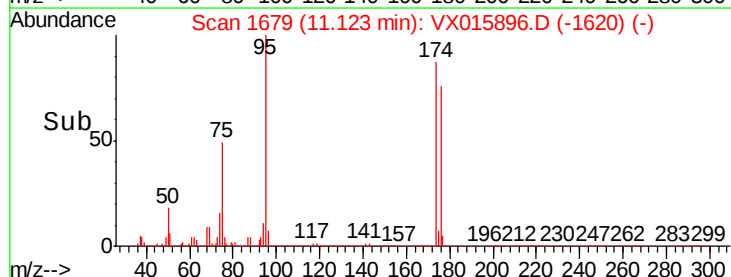
200000

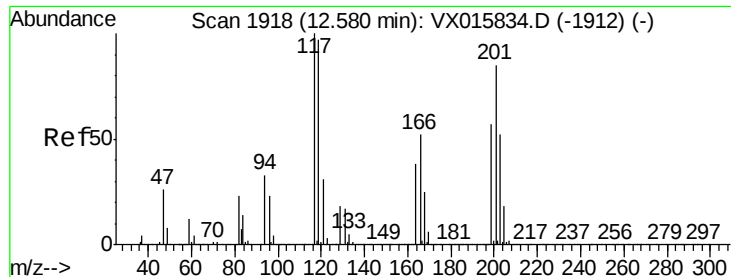
100000

0

Time-->

11.10 11.20





#90

Hexachloroethane

Concen: 0.236 ug/l

RT: 12.65 min Scan# 1930

Delta R.T. 0.07 min

Lab File: VX015896.D

Acq: 23 Apr 2020 17:24

Instrument :

MSVOA_X

ClientSampleId :

S73-0238

Tot Ion:117 Resp: 1086

Ion Ratio Lower Upper

117 100

201 23.1 45.6 136.9#

