

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042320\
 Data File : VX015899.D
 Acq On : 23 Apr 2020 18:32
 Operator : JC/SP
 Sample : L2403-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-ER-2020-1

Quant Time: Apr 24 03:34:12 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	853060	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1288087	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1288322	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	722048	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	470306	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
35) Dibromofluoromethane	5.47	113	366013	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
50) Toluene-d8	8.70	98	1585141	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	
62) 4-Bromofluorobenzene	11.12	95	682405	55.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.16%	

Target Compounds

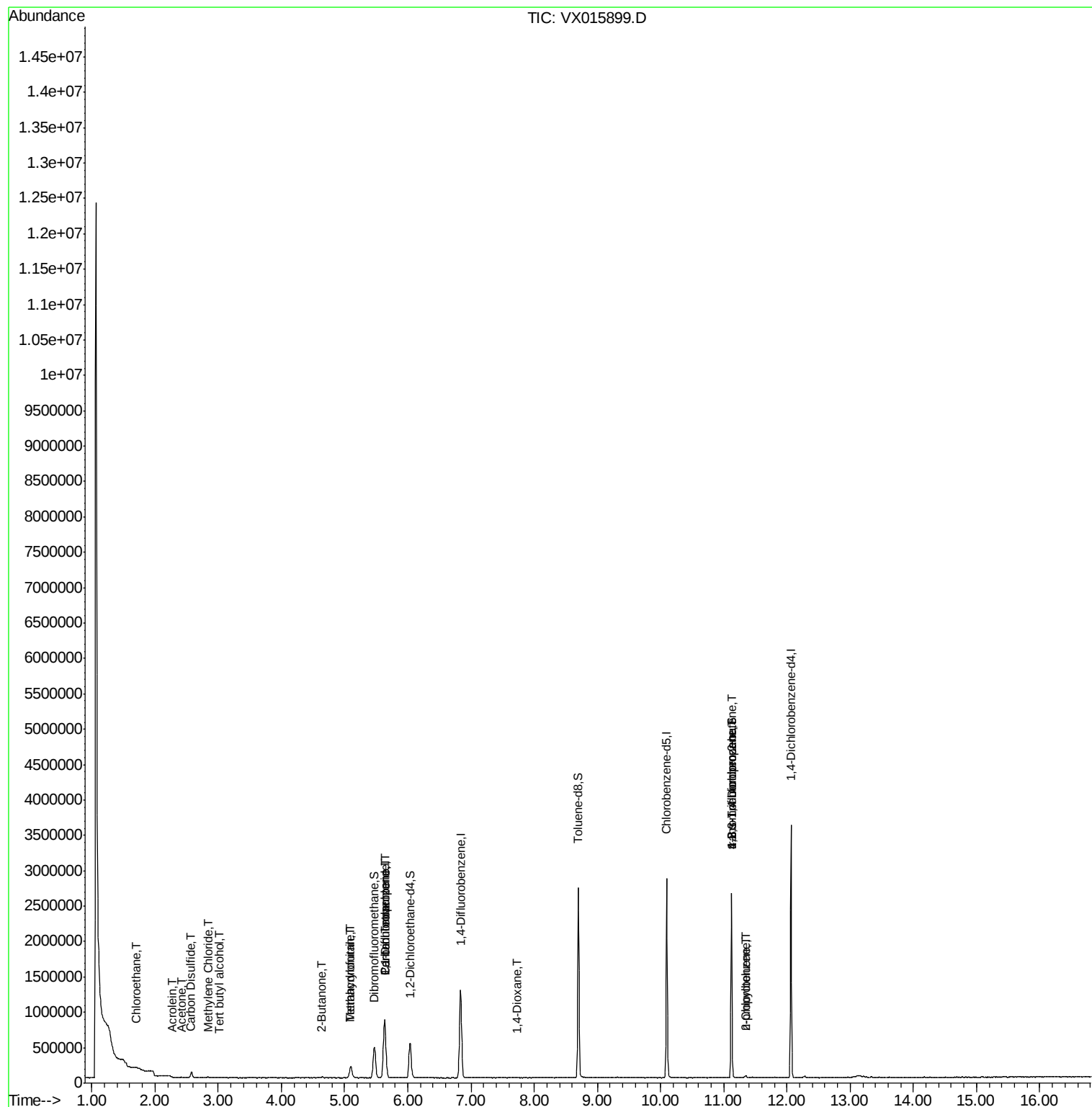
					Qvalue	
6) Chloroethane	1.70	64	1102	0.223	ug/l #	42
11) Tert butyl alcohol	3.02	59	1546	0.780	ug/l #	77
13) Acrolein	2.27	56	291	0.248	ug/l #	39
16) Acetone	2.42	43	9857	2.333	ug/l #	87
17) Carbon Disulfide	2.55	76	13170	0.485	ug/l #	94
20) Methylene Chloride	2.84	84	5936	0.692	ug/l #	93
25) 2-Butanone	4.64	43	27036	4.049	ug/l	93
29) Tetrahydrofuran	5.09	42	167464	37.916	ug/l	98
36) 1,1-Dichloropropene	5.63	75	56721	4.967	ug/l #	52
38) Carbon Tetrachloride	5.63	117	73561	6.540	ug/l #	17
41) Methacrylonitrile	5.09	41	87500	11.587	ug/l #	49
49) 1,4-Dioxane	7.73	88	428	2.008	ug/l #	58
76) 1,2,3-Trichloropropane	11.12	75	334372	24.353	ug/l #	35
78) n-propylbenzene	11.35	91	10641	0.203	ug/l	89
79) 2-Chlorotoluene	11.35	91	10641	0.337	ug/l #	50
81) trans-1,4-Dichloro-2-buten	11.12	75	334372	58.582	ug/l #	12

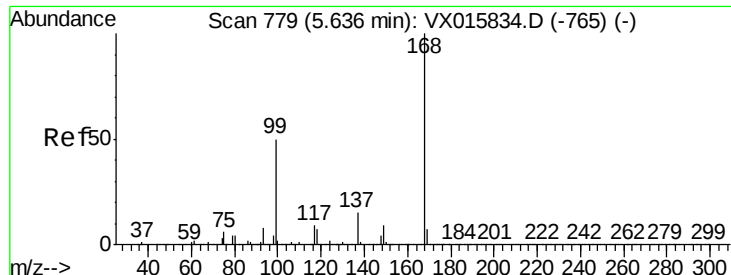
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX015899.D

Acq: 23 Apr 2020 18:32

Instrument :

MSVOA_X

ClientSampleId :

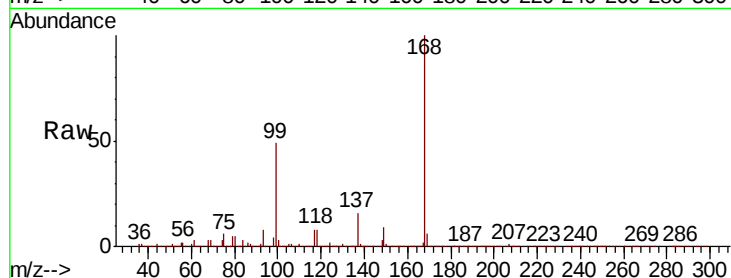
S73-ER-2020-1

Tot Ion:168 Resp: 853060

Ion Ratio Lower Upper

168 100

99 49.2 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

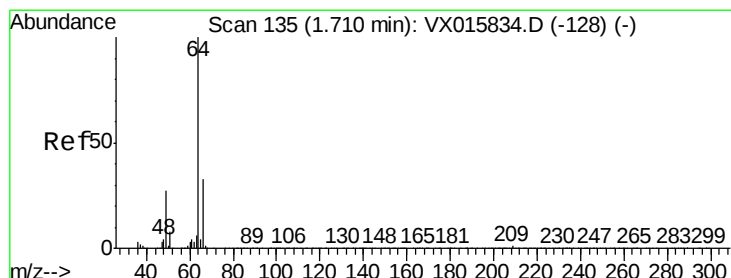
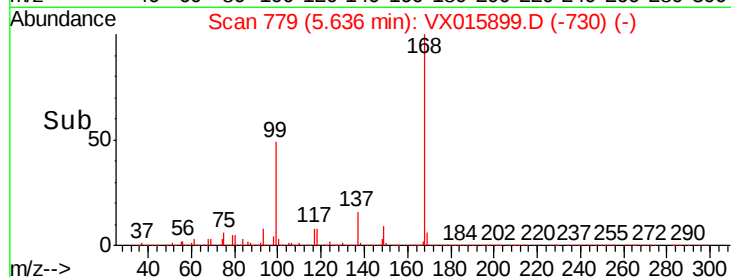
300000

200000

100000

0

Time-->



#6

Chloroethane

Concen: 0.223 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX015899.D

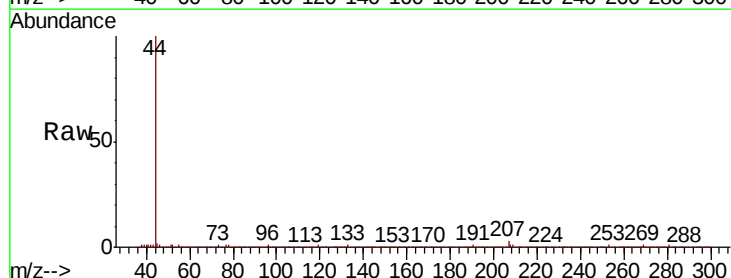
Acq: 23 Apr 2020 18:32

Tgt Ion: 64 Resp: 1102

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

1000

800

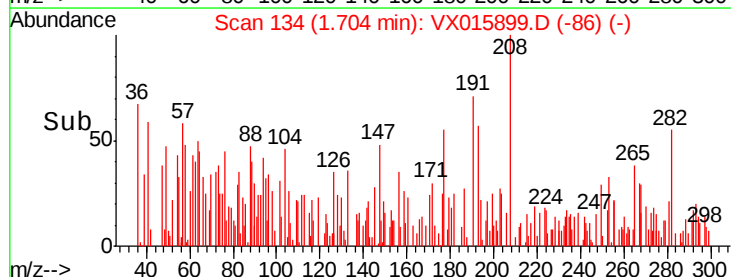
600

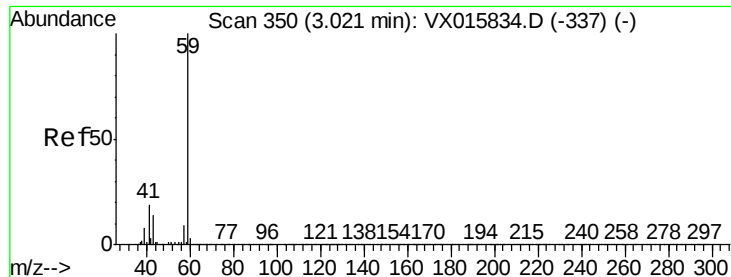
400

200

0

Time-->

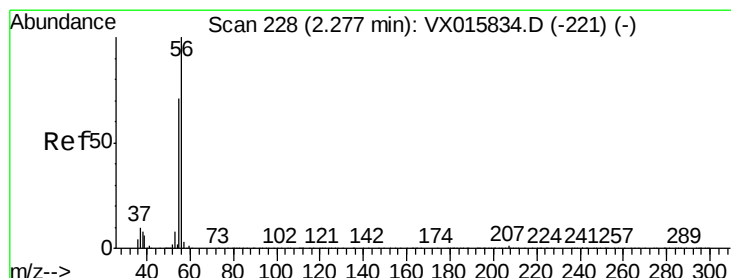
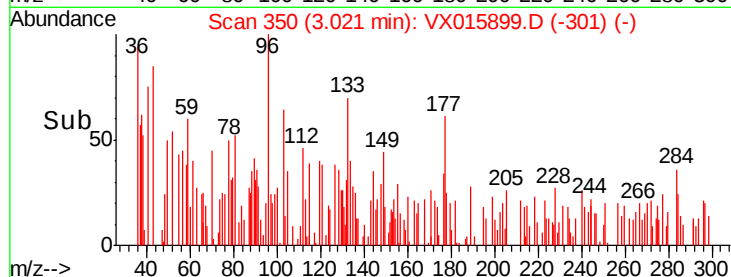
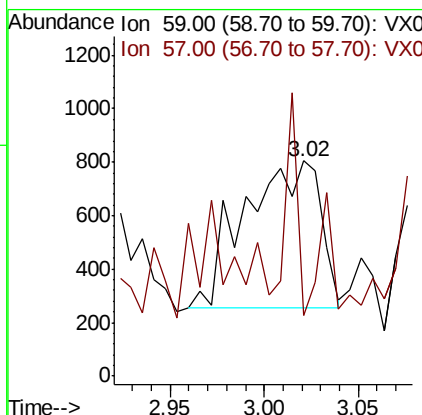
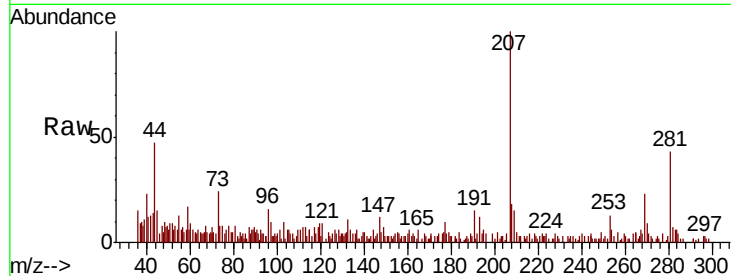




#11
Tert butyl alcohol
Concen: 0.780 ug/l
RT: 3.02 min Scan# 350
Delta R.T. 0.00 min
Lab File: VX015899.D
Acq: 23 Apr 2020 18:32

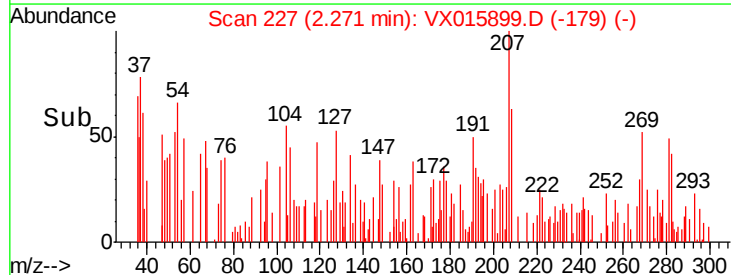
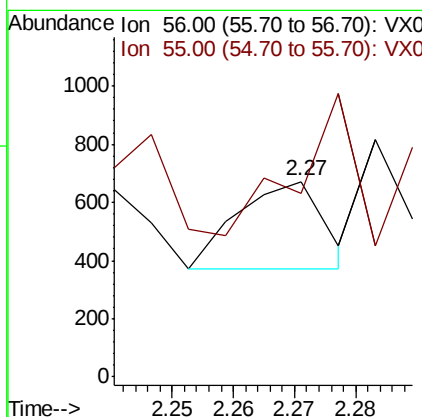
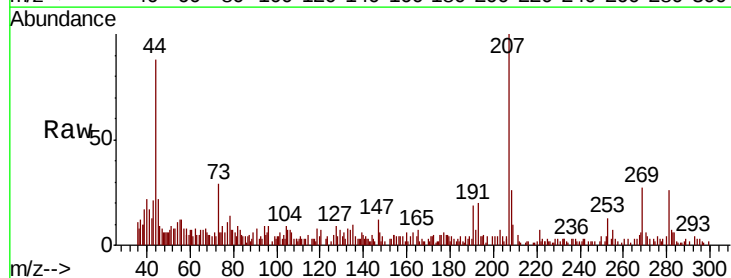
Instrument :
MSVOA_X
ClientSampled :
S73-ER-2020-1

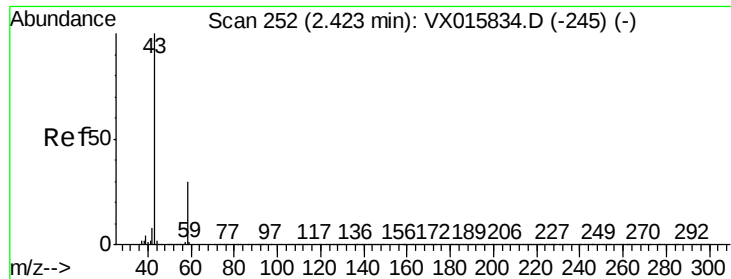
Tot Ion: 59 Resp: 1546
Ion Ratio Lower Upper
59 100
57 18.7 8.2 12.2#



#13
Acrolein
Concen: 0.248 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.01 min
Lab File: VX015899.D
Acq: 23 Apr 2020 18:32

Tgt Ion: 56 Resp: 291
Ion Ratio Lower Upper
56 100
55 120.3 56.1 84.1#





#16

Acetone

Concen: 2.333 ug/l

RT: 2.42 min Scan# 252

Delta R.T. 0.00 min

Lab File: VX015899.D

Acq: 23 Apr 2020 18:32

Instrument :

MSVOA_X

ClientSampleId :

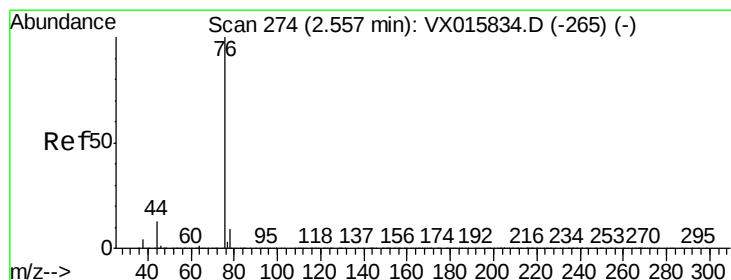
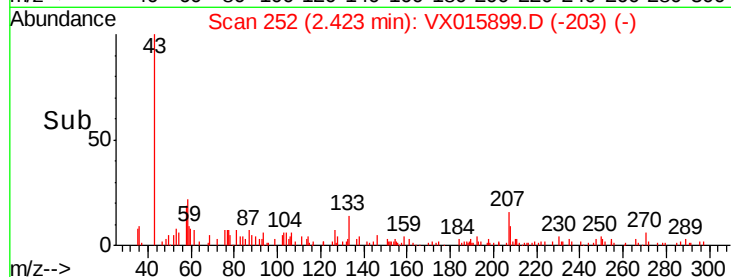
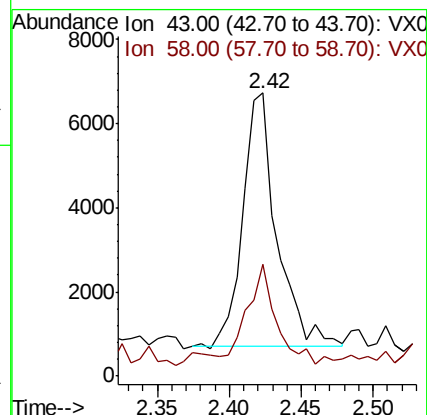
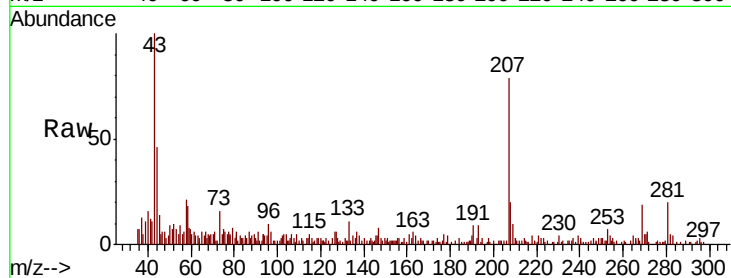
S73-ER-2020-1

Tot Ion: 43 Resp: 9857

Ion Ratio Lower Upper

43 100

58 37.3 24.0 36.0#



#17

Carbon Disulfide

Concen: 0.485 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX015899.D

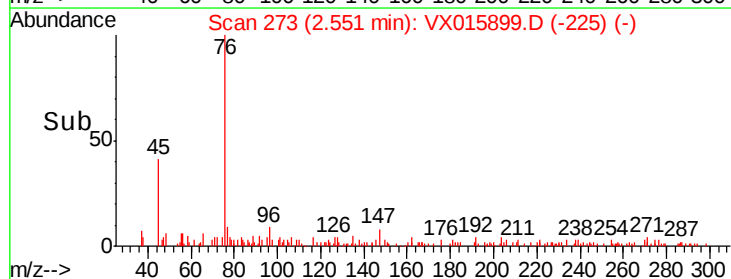
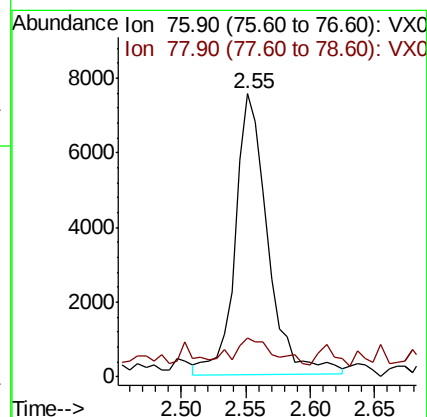
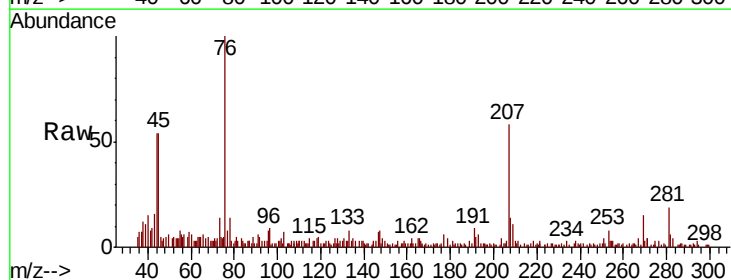
Acq: 23 Apr 2020 18:32

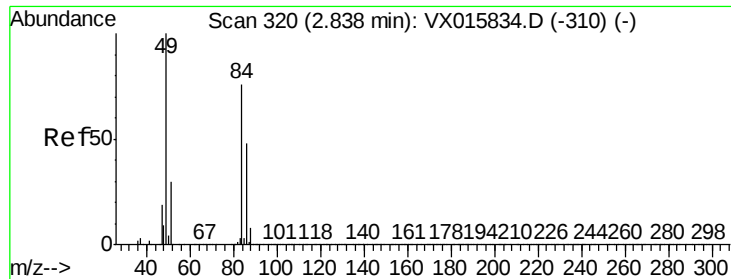
Tgt Ion: 76 Resp: 13170

Ion Ratio Lower Upper

76 100

78 7.3 7.4 11.2#

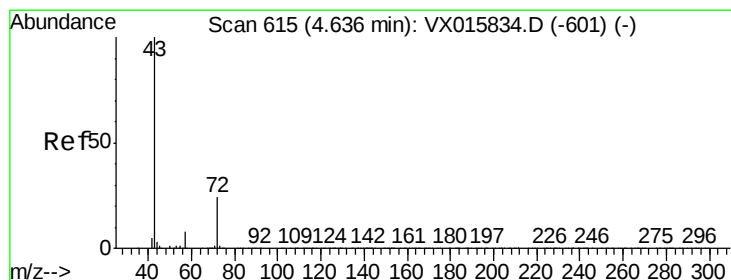
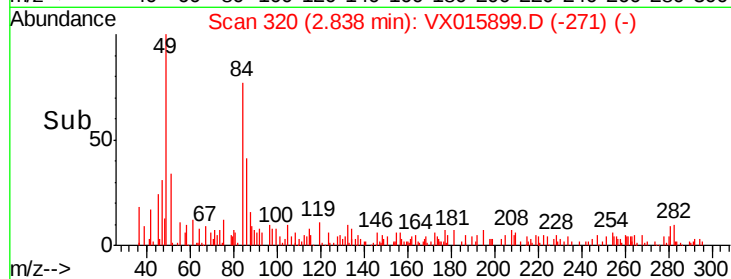
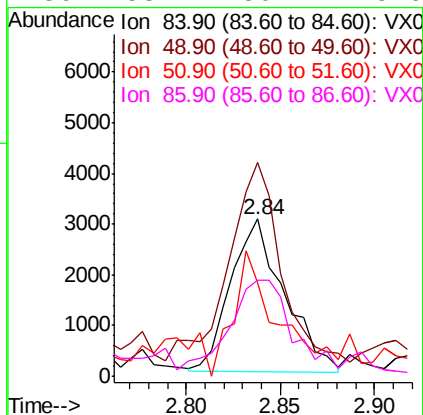
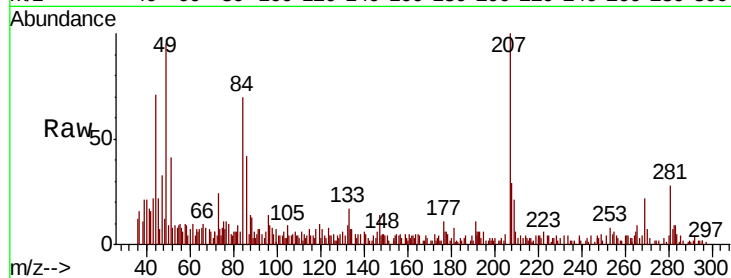




#20
Methvlene Chloride
Concen: 0.692 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.00 min
Lab File: VX015899.D
Acq: 23 Apr 2020 18:32

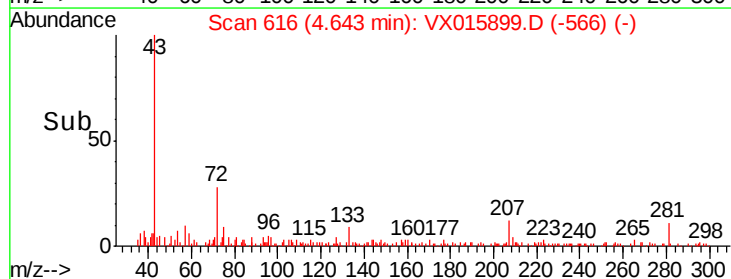
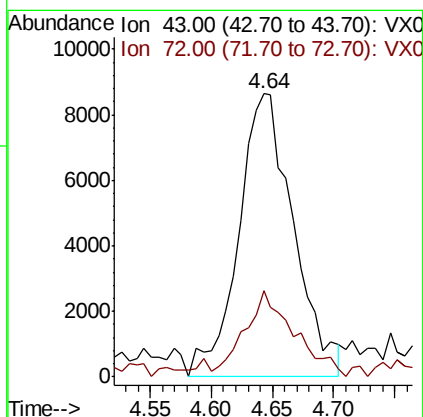
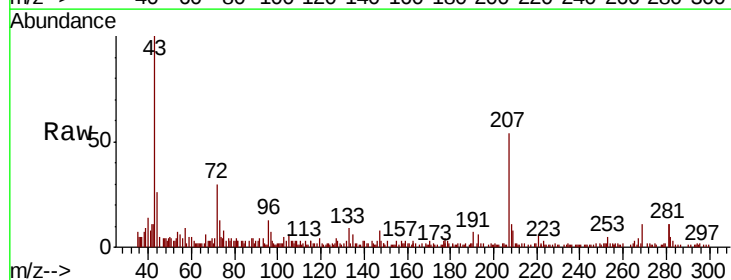
Instrument :
MSVOA_X
ClientSampleId :
S73-ER-2020-1

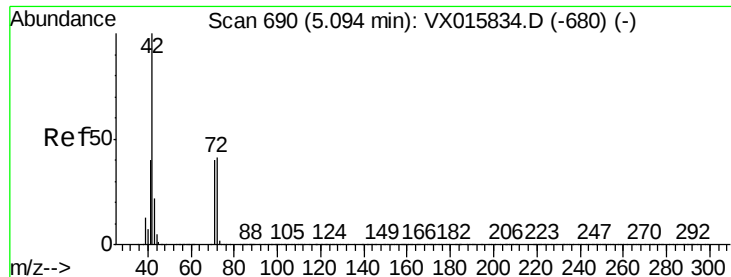
Tot Ion: 84 Resp: 5936
Ion Ratio Lower Upper
84 100
49 127.2 104.9 157.3
51 51.4 32.0 48.0#
86 58.7 50.4 75.6



#25
2-Butanone
Concen: 4.049 ug/l
RT: 4.64 min Scan# 616
Delta R.T. 0.01 min
Lab File: VX015899.D
Acq: 23 Apr 2020 18:32

Tgt Ion: 43 Resp: 27036
Ion Ratio Lower Upper
43 100
72 27.8 19.4 29.2





#29

Tetrahydrofuran

Concen: 37.916 ug/l

RT: 5.09 min Scan# 690

Delta R.T. 0.00 min

Lab File: VX015899.D

Acq: 23 Apr 2020 18:32

Instrument :

MSVOA_X

ClientSampleId :

S73-ER-2020-1

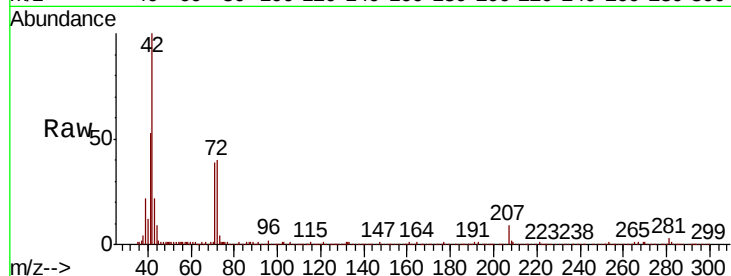
Tot Ion: 42 Resp: 167464

Ion Ratio Lower Upper

42 100

72 40.0 33.0 49.6

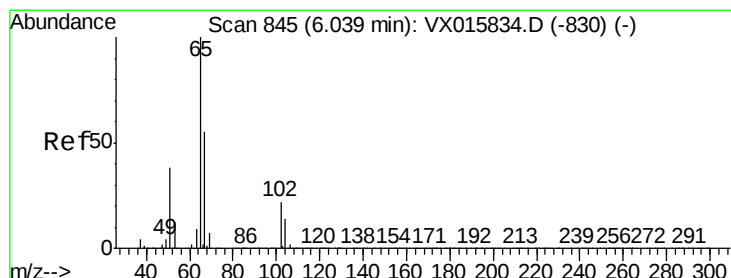
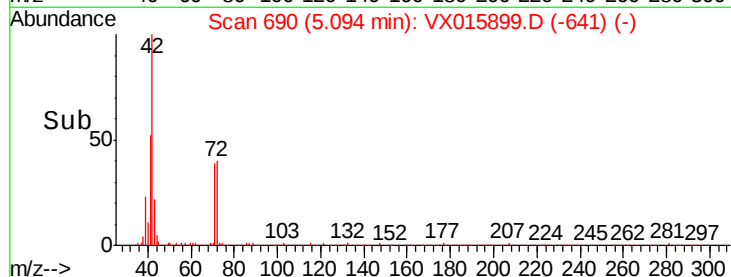
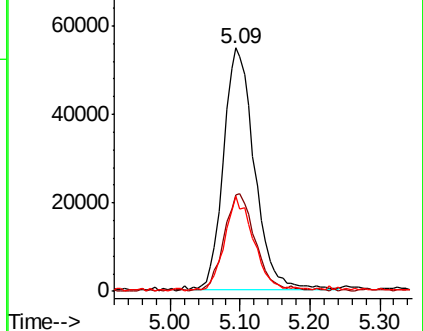
71 36.5 30.6 45.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.474 ug/l

RT: 6.03 min Scan# 844

Delta R.T. -0.01 min

Lab File: VX015899.D

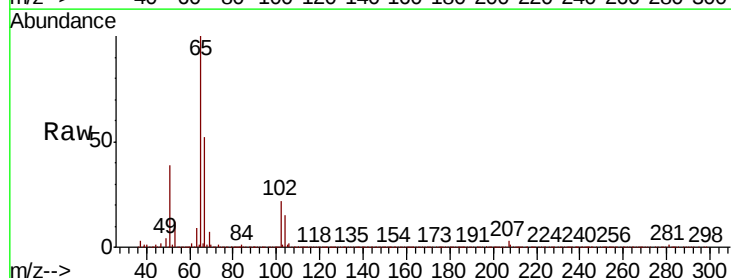
Acq: 23 Apr 2020 18:32

Tgt Ion: 65 Resp: 470306

Ion Ratio Lower Upper

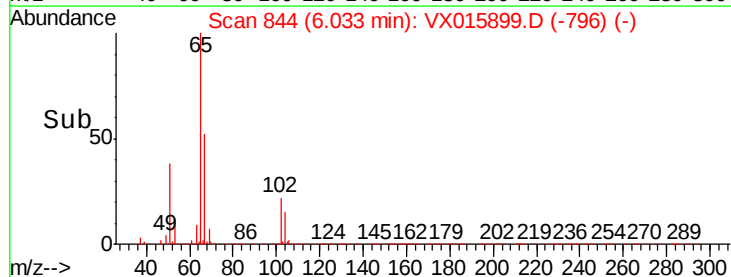
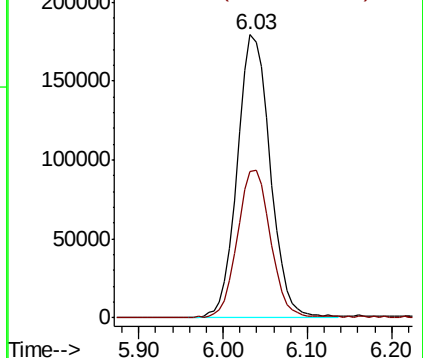
65 100

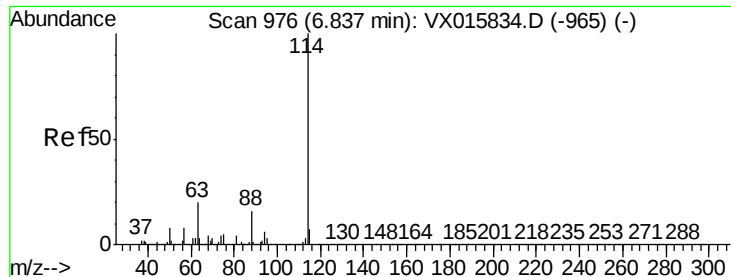
67 52.1 0.0 104.2



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: VX015899.D

Acq: 23 Apr 2020 18:32

Instrument :

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ClientSampleId :

S73-ER-2020-1

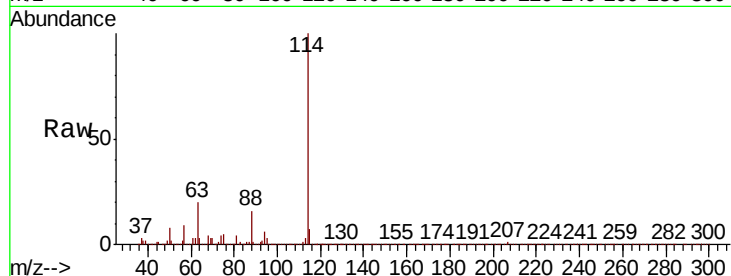
Tot Ion:114 Resp: 1288087

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.6

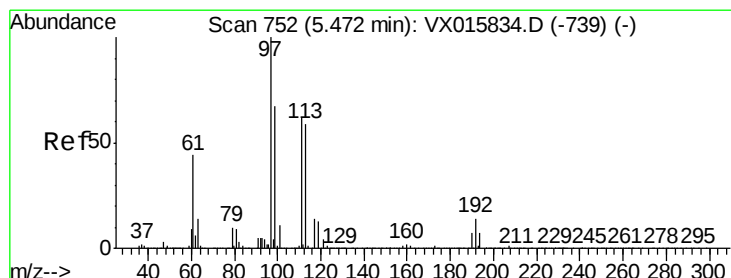
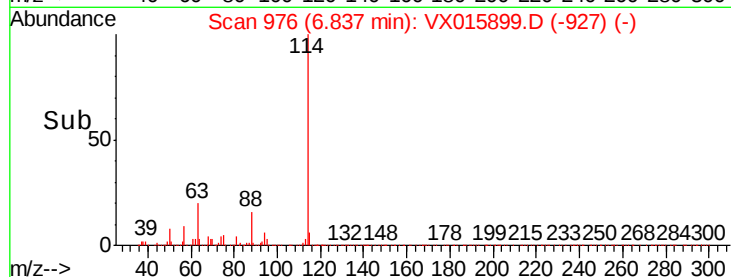
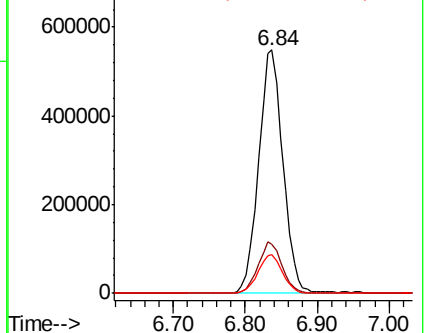
88 15.7 0.0 32.8



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: 49.227 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015899.D

Acq: 23 Apr 2020 18:32

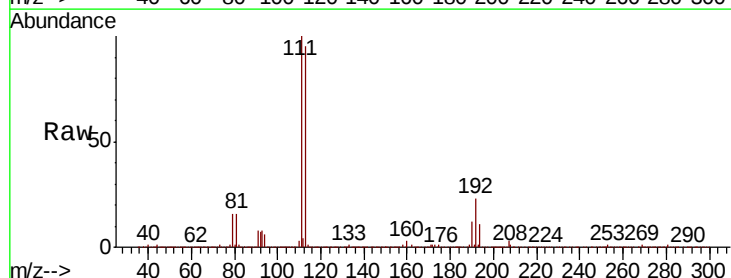
Tgt Ion:113 Resp: 366013

Ion Ratio Lower Upper

113 100

111 103.9 82.7 124.1

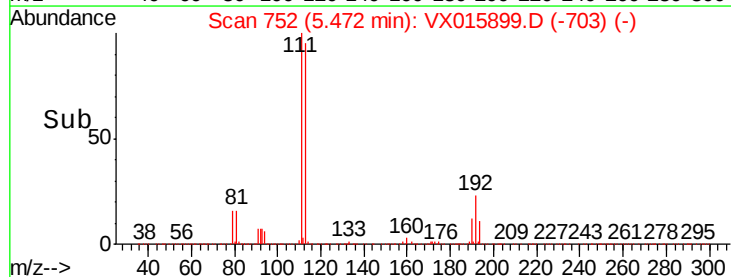
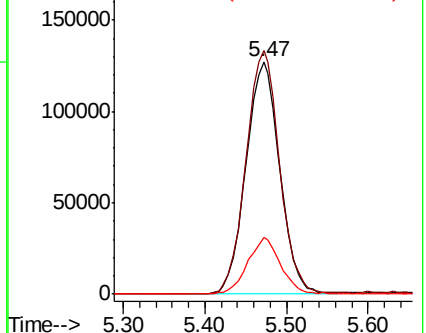
192 24.0 19.3 28.9

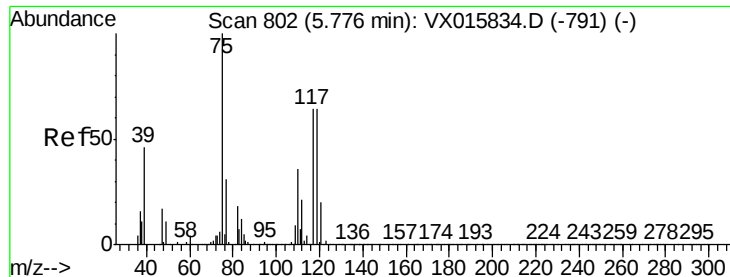


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

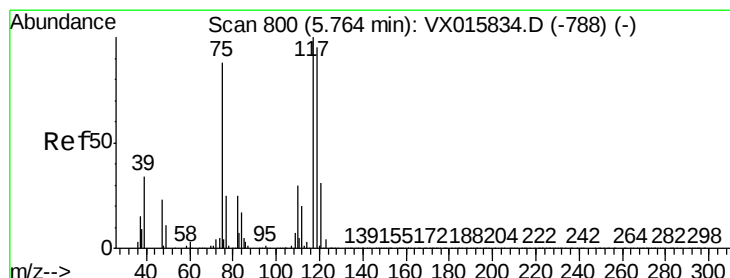
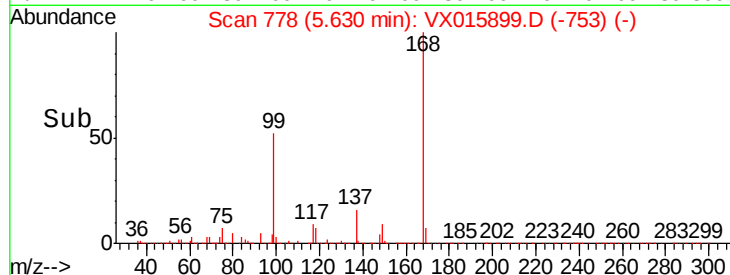
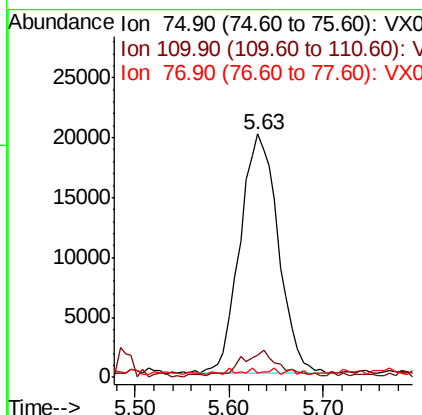
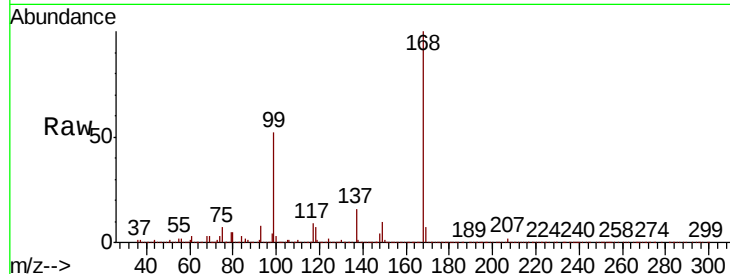




#36
 1,1-Dichloropropene
 Concen: 4.967 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.15 min
 Lab File: VX015899.D
 Acq: 23 Apr 2020 18:32

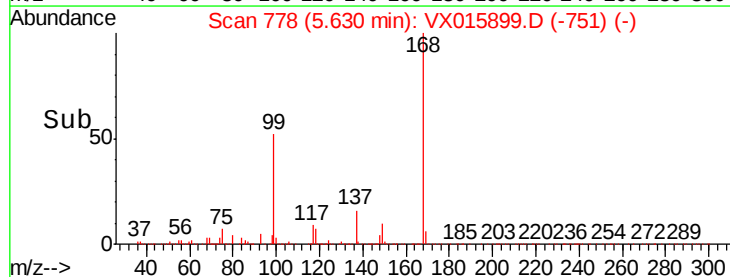
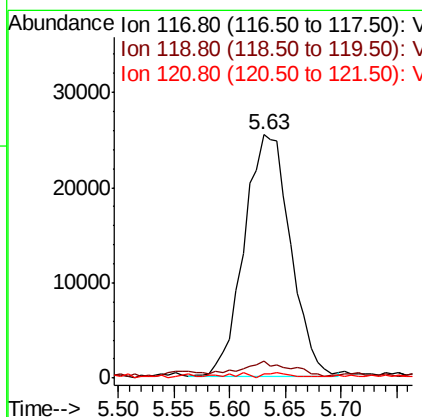
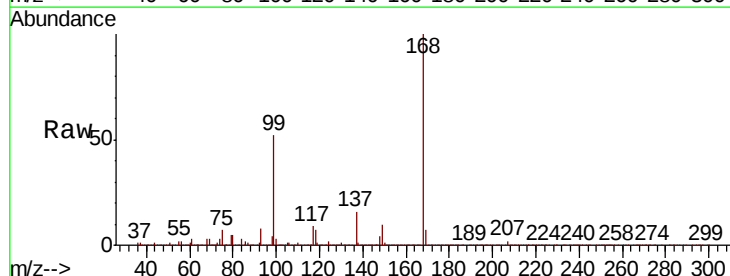
Instrument :
 MSVOA_X
 ClientSampleId :
 S73-ER-2020-1

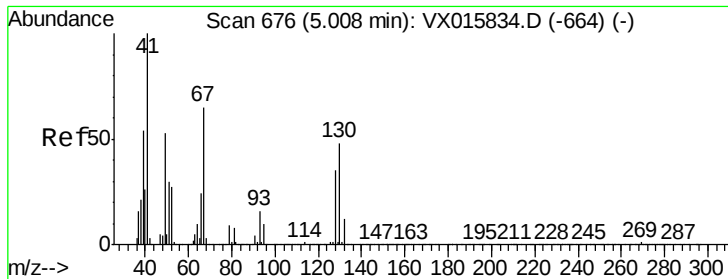
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.2	17.9	53.8#
77	0.8	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.540 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.13 min
 Lab File: VX015899.D
 Acq: 23 Apr 2020 18:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	75.7	113.5#
121	0.9	25.0	37.6#

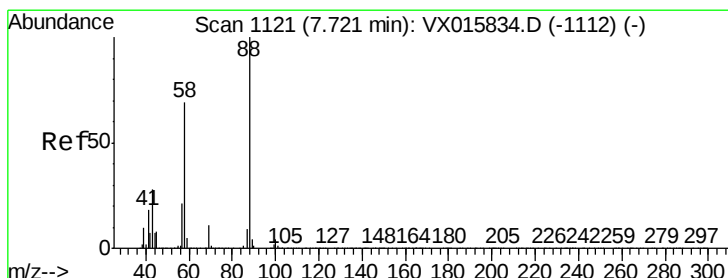
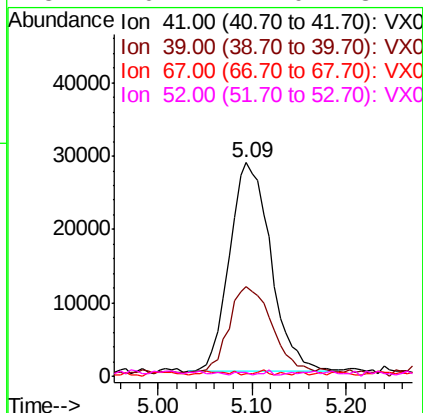
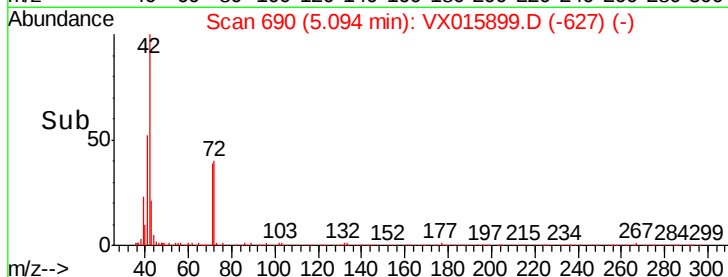
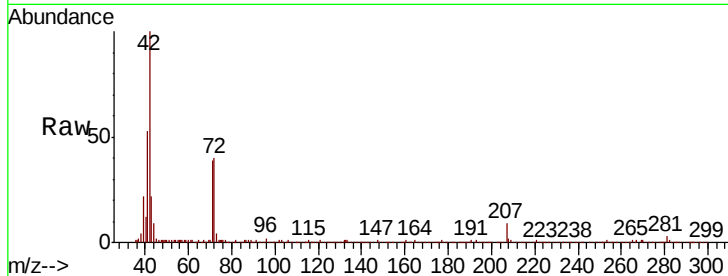




#41
Methacrylonitrile
Concen: 11.587 ug/l
RT: 5.09 min Scan# 690
Delta R.T. 0.09 min
Lab File: VX015899.D
Acq: 23 Apr 2020 18:32

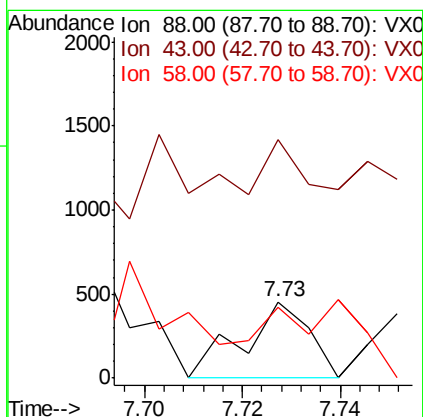
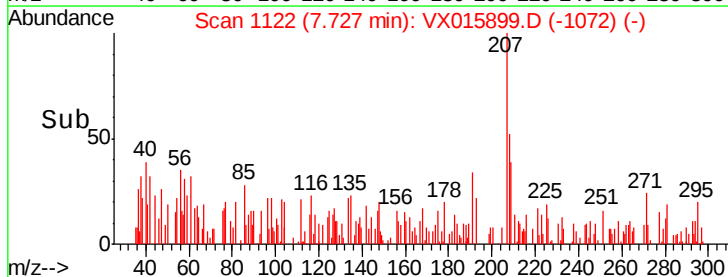
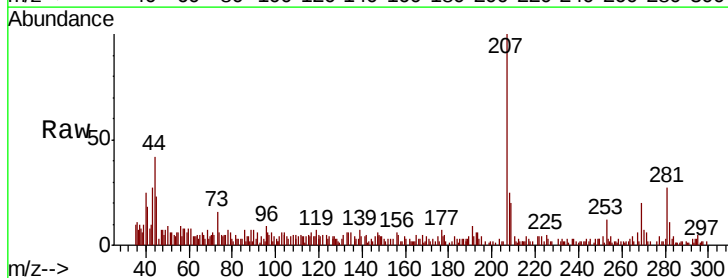
Instrument :
MSVOA_X
ClientSampleId :
S73-ER-2020-1

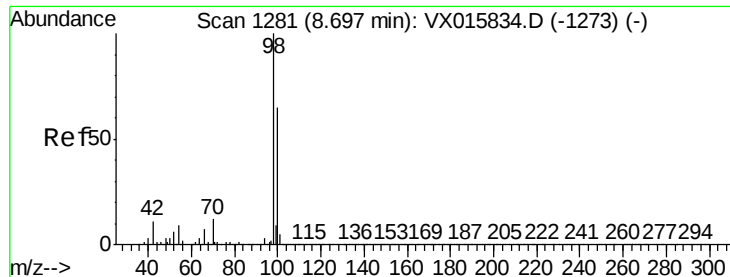
Tot Ion:	41	Resp:	87500
Ion	Ratio	Lower	Upper
41	100		
39	43.4	42.4	63.6
67	0.0	51.9	77.9#
52	0.4	21.0	31.4#



#49
1,4-Dioxane
Concen: 2.008 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. 0.01 min
Lab File: VX015899.D
Acq: 23 Apr 2020 18:32

Tgt Ion:	88	Resp:	428
Ion	Ratio	Lower	Upper
88	100		
43	41.4	28.2	42.4
58	121.5	58.9	88.3#





#50

Toluene-d8

Concen: 52.960 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015899.D

Acq: 23 Apr 2020 18:32

Instrument :

MSVOA_X

ClientSampleId :

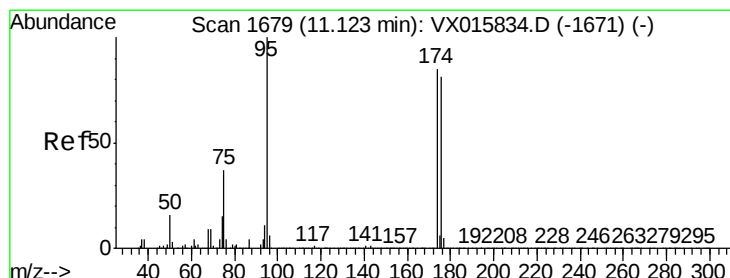
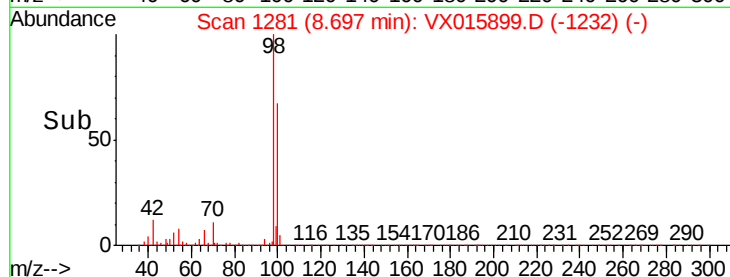
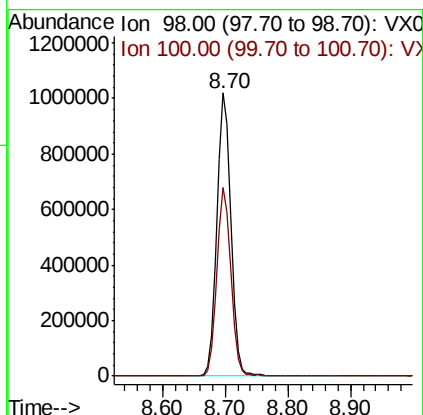
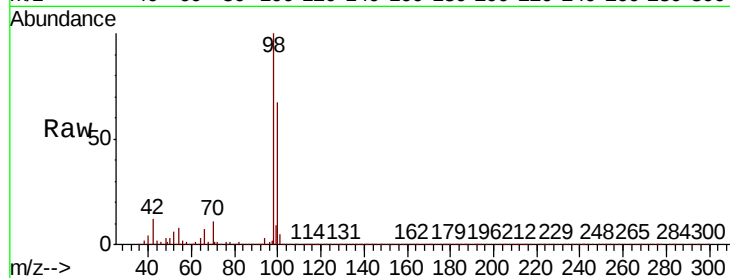
S73-ER-2020-1

Tot Ion: 98 Resp: 1585141

Ion Ratio Lower Upper

98 100

100 67.0 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 55.577 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015899.D

Acq: 23 Apr 2020 18:32

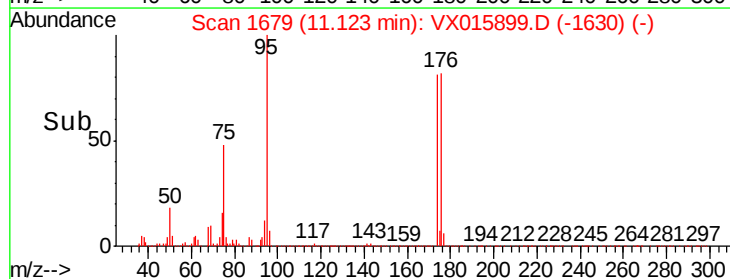
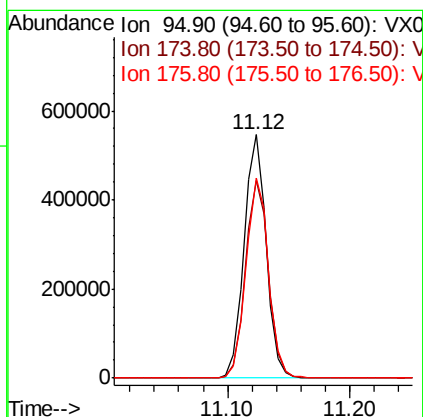
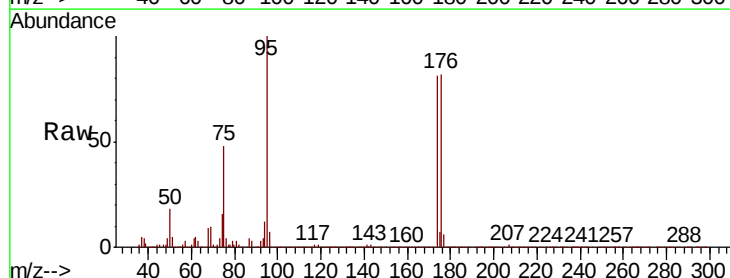
Tgt Ion: 95 Resp: 682405

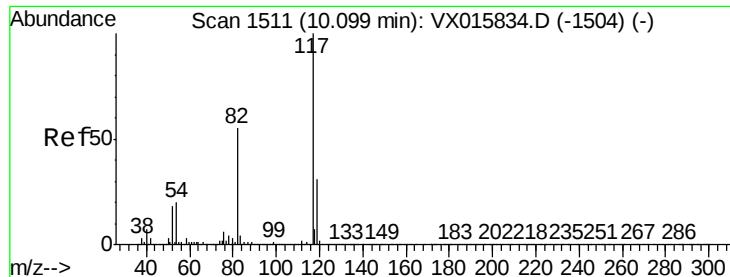
Ion Ratio Lower Upper

95 100

174 84.7 0.0 172.4

176 84.3 0.0 167.0

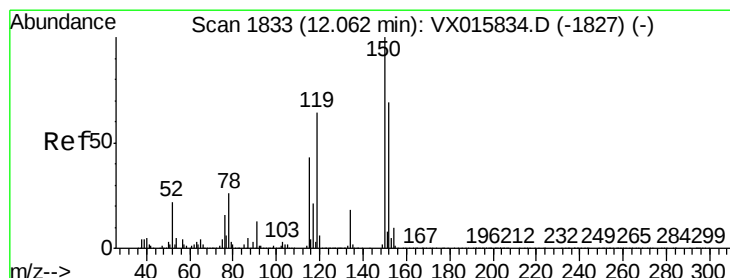
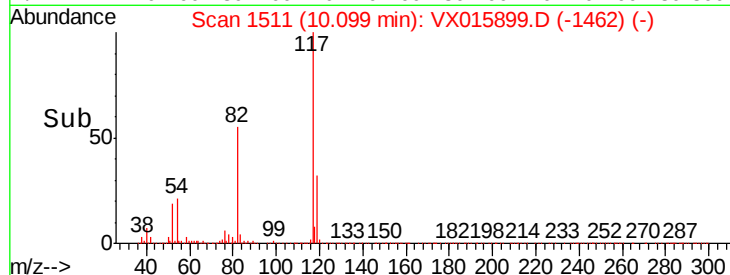
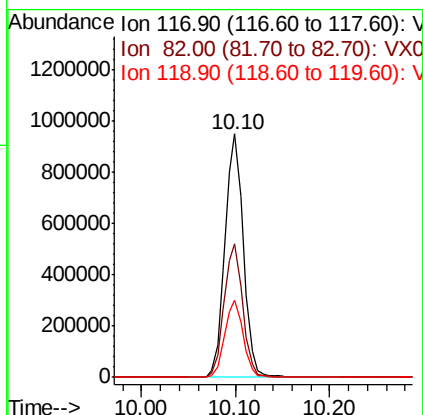
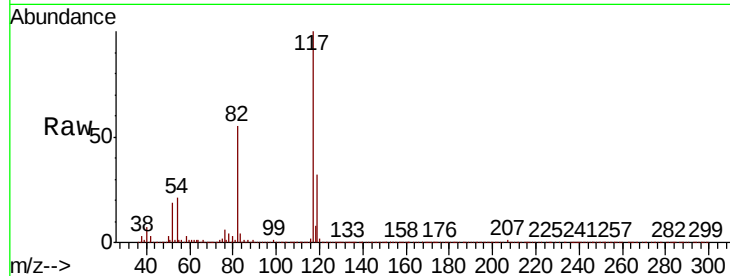




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015899.D
Acq: 23 Apr 2020 18:32

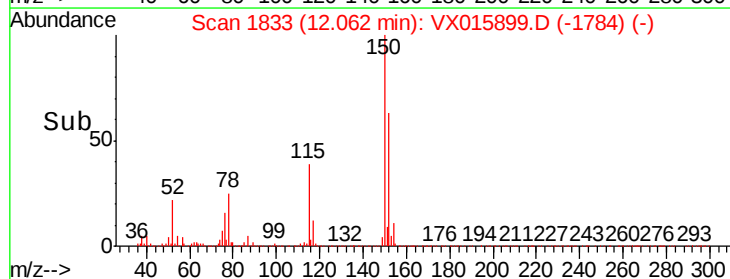
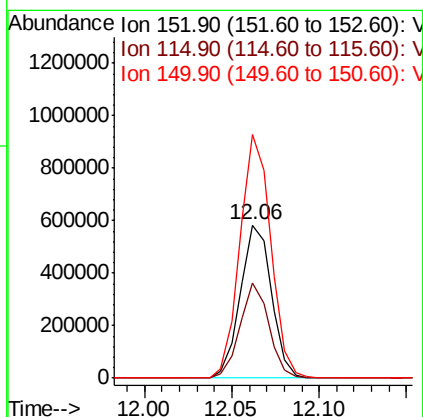
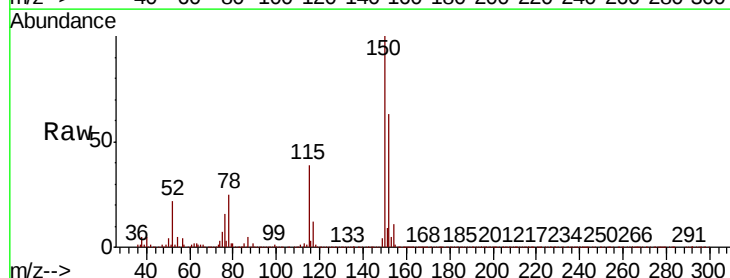
Instrument :
MSVOA_X
ClientSampleId :
S73-ER-2020-1

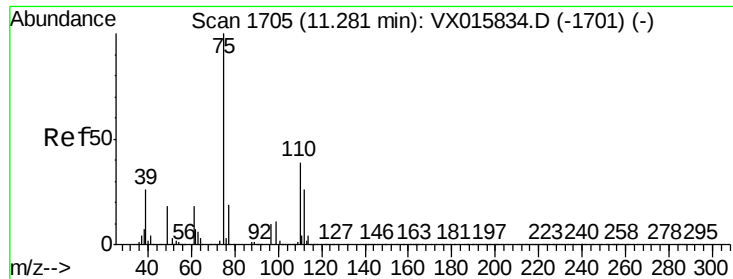
Tot Ion:117 Resp: 1288322
Ion Ratio Lower Upper
117 100
82 54.6 43.9 65.9
119 31.8 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015899.D
Acq: 23 Apr 2020 18:32

Tgt Ion:152 Resp: 722048
Ion Ratio Lower Upper
152 100
115 57.9 39.0 116.9
150 157.0 0.0 336.8

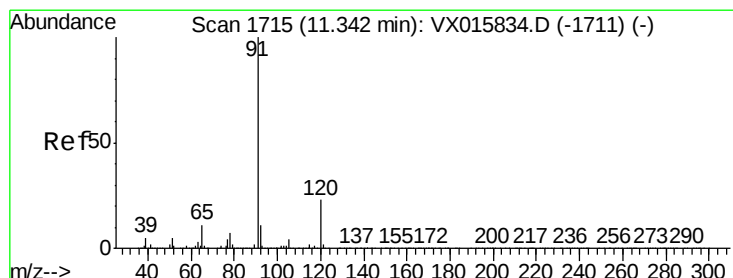
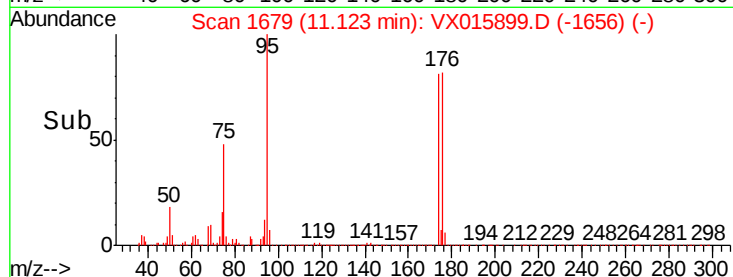
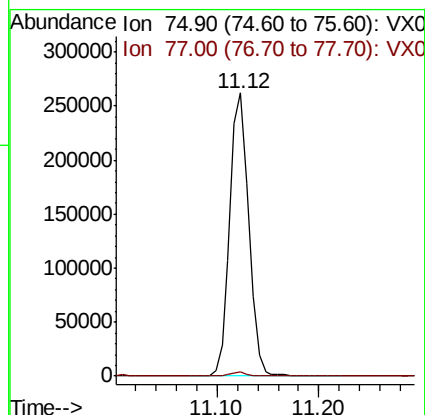
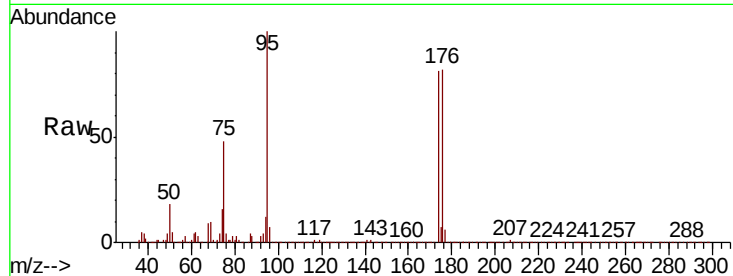




#76
 1,2,3-Trichloropropane
 Concen: 24.353 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. -0.16 min
 Lab File: VX015899.D
 Acq: 23 Apr 2020 18:32

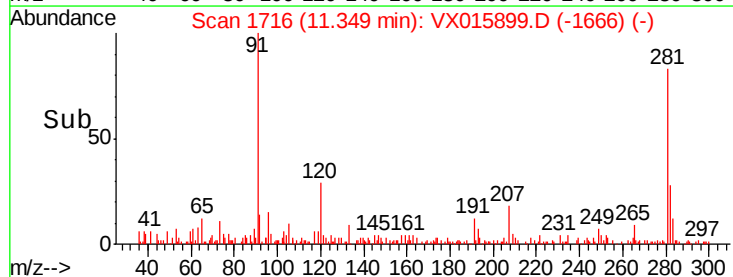
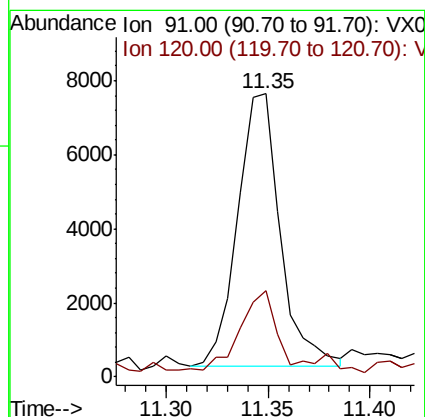
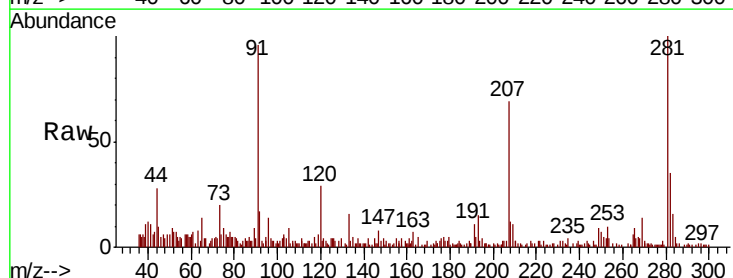
Instrument :
 MSVOA_X
 ClientSampleId :
 S73-ER-2020-1

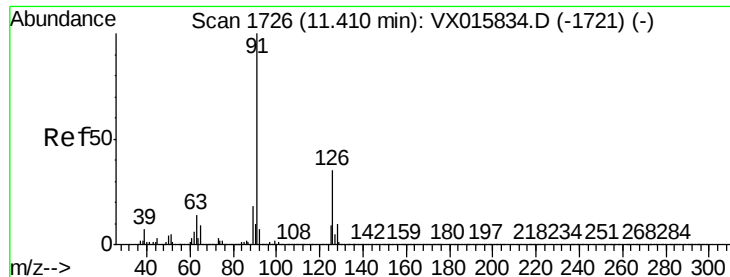
Tot Ion: 75 Resp: 334372
 Ion Ratio Lower Upper
 75 100
 77 1.4 21.3 63.9#



#78
 n-propylbenzene
 Concen: 0.203 ug/l
 RT: 11.35 min Scan# 1716
 Delta R.T. 0.01 min
 Lab File: VX015899.D
 Acq: 23 Apr 2020 18:32

Tgt Ion: 91 Resp: 10641
 Ion Ratio Lower Upper
 91 100
 120 28.6 11.7 35.1

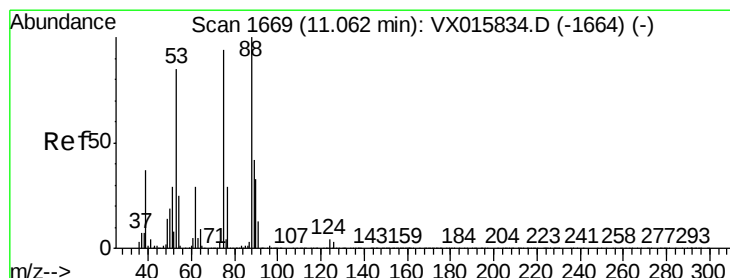
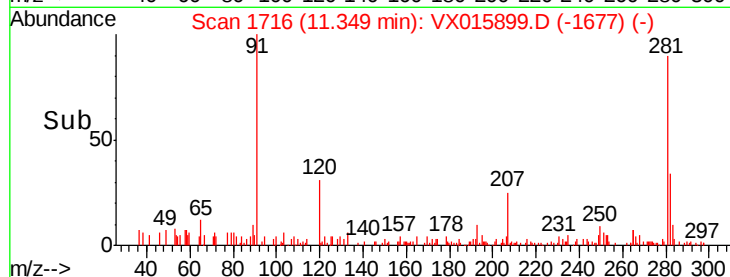
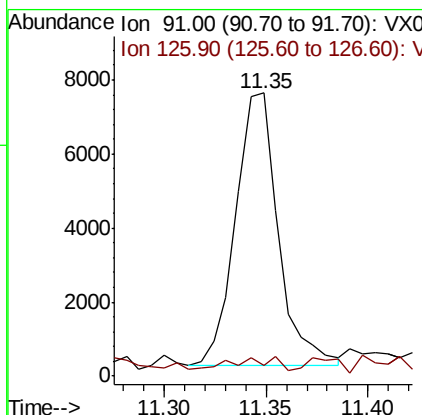
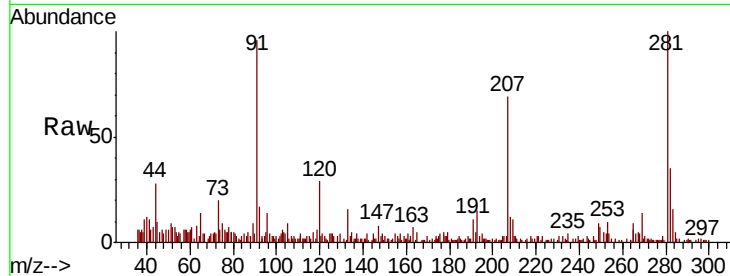




#79
2-Chlorotoluene
Concen: 0.337 ug/l
RT: 11.35 min Scan# 1716
Delta R.T. -0.06 min
Lab File: VX015899.D
Acq: 23 Apr 2020 18:32

Instrument :
MSVOA_X
ClientSampleId :
S73-ER-2020-1

Tot Ion: 91 Resp: 10641
Ion Ratio Lower Upper
91 100
126 5.6 17.2 51.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.582 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.06 min
Lab File: VX015899.D
Acq: 23 Apr 2020 18:32

Tgt Ion: 75 Resp: 334372
Ion Ratio Lower Upper
75 100
53 0.4 74.2 111.2#
89 0.2 38.0 57.0#

