

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042220\
 Data File : VX015845.D
 Acq On : 22 Apr 2020 16:38
 Operator : JC/SP
 Sample : L2363-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS027-200420

Quant Time: Apr 23 04:52:18 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	888920	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1376231	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1308248	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	704557	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	497157	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
35) Dibromofluoromethane	5.47	113	395111	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
50) Toluene-d8	8.70	98	1631231	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	
62) 4-Bromofluorobenzene	11.12	95	681749	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	

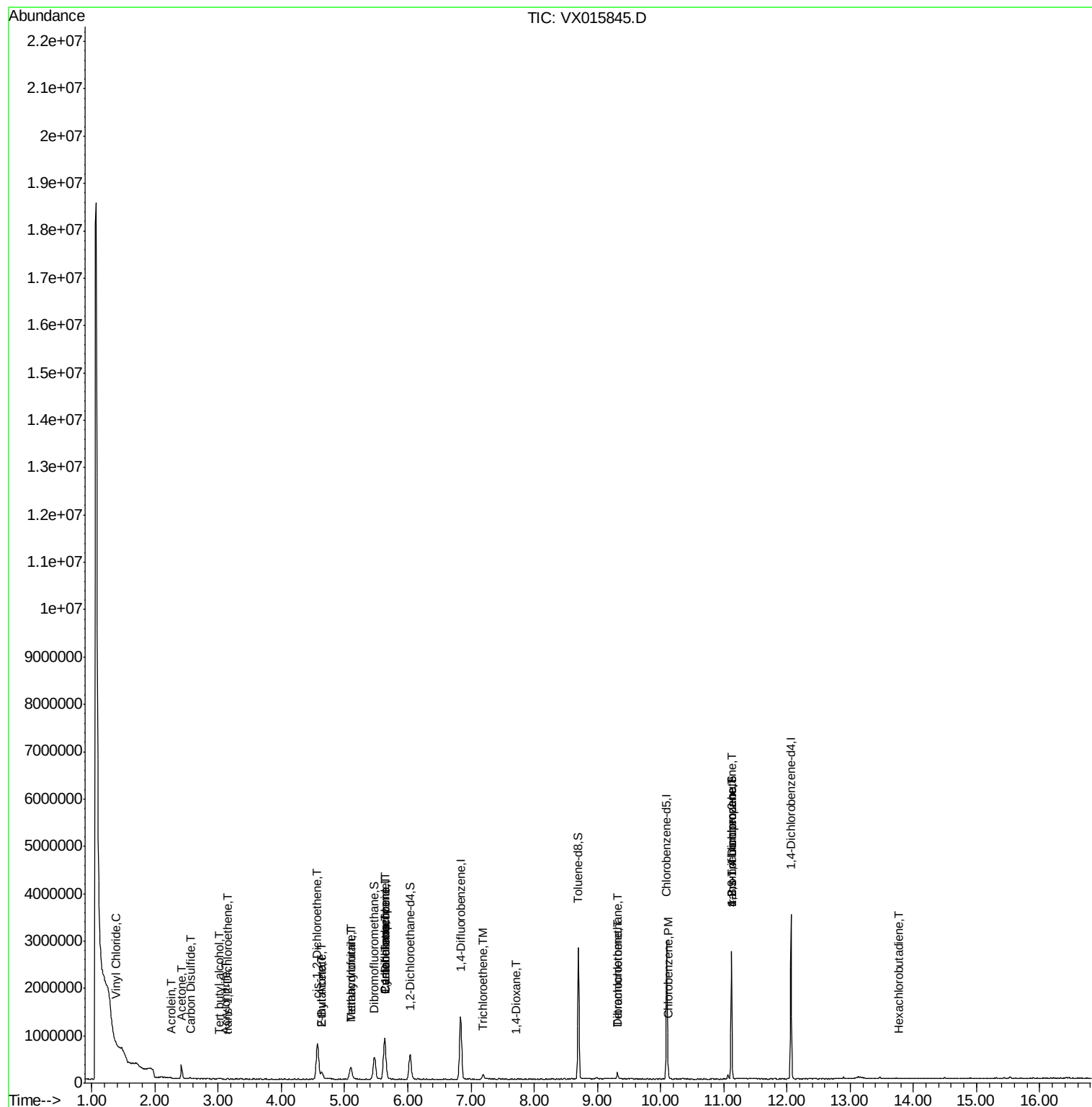
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	3621	0.401	ug/l	91
11) Tert butyl alcohol	3.01	59	1722	0.834	ug/l #	22
13) Acrolein	2.27	56	428	0.350	ug/l #	1
15) Acrylonitrile	3.12	53	1555	0.324	ug/l #	70
16) Acetone	2.42	43	326028	74.060	ug/l	99
17) Carbon Disulfide	2.56	76	21395	0.757	ug/l #	94
21) trans-1,2-Dichloroethene	3.15	96	4325	0.501	ug/l #	63
25) 2-Butanone	4.64	43	268092	38.529	ug/l	98
27) cis-1,2-Dichloroethene	4.57	96	494255	50.397	ug/l	90
29) Tetrahydrofuran	5.09	42	259756	56.440	ug/l	98
31) Cyclohexane	5.63	56	15788	1.069	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	58248	4.774	ug/l #	54
37) Ethyl Acetate	4.64	43	268092	18.463	ug/l #	69
38) Carbon Tetrachloride	5.63	117	79097	6.582	ug/l #	17
41) Methacrylonitrile	5.10	41	142580	17.671	ug/l #	48
44) Trichloroethene	7.19	130	36998	2.865	ug/l	91
49) 1,4-Dioxane	7.72	88	398	1.748	ug/l #	1
60) Dibromochloromethane	9.32	129	28461	2.997	ug/l #	10
64) Tetrachloroethene	9.32	164	32108	1.821	ug/l	96
65) Chlorobenzene	10.12	112	33408	1.277	ug/l	99
76) 1,2,3-Trichloropropane	11.12	75	330468	24.666	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	330468	59.335	ug/l #	12
94) Hexachlorobutadiene	13.77	225	1640	0.218	ug/l	87

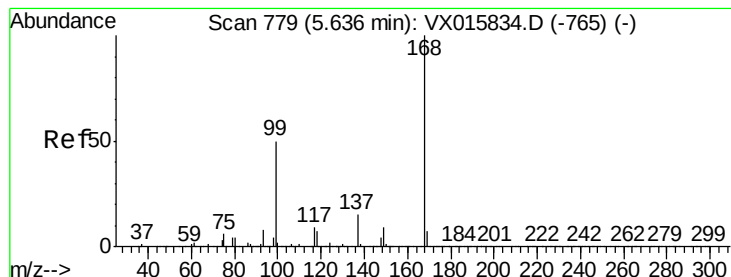
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042220\
Data File : VX015845.D
Acq On : 22 Apr 2020 16:38
Operator : JC/SP
Sample : L2363-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
KY038PS027-200420

Quant Time: Apr 23 04:52:18 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: VX015845.D

Acq: 22 Apr 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

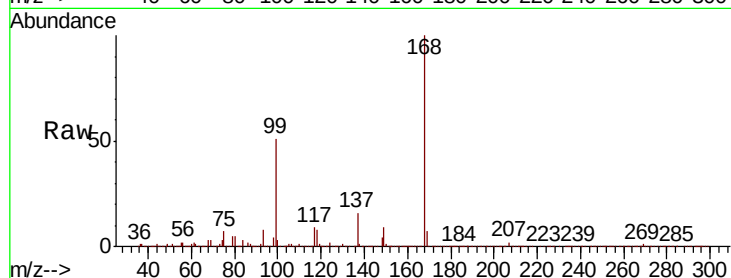
KY038PS027-200420

Tot Ion:168 Resp: 888920

Ion Ratio Lower Upper

168 100

99 51.0 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

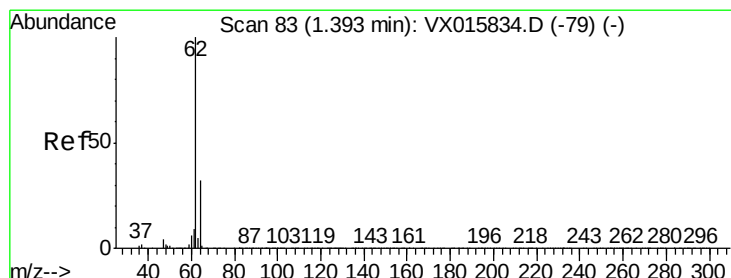
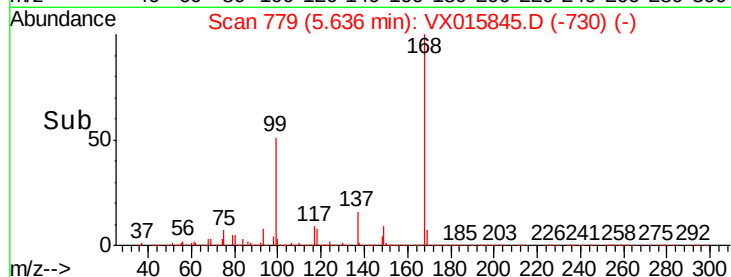
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 0.401 ug/l

RT: 1.39 min Scan# 83

Delta R.T. 0.00 min

Lab File: VX015845.D

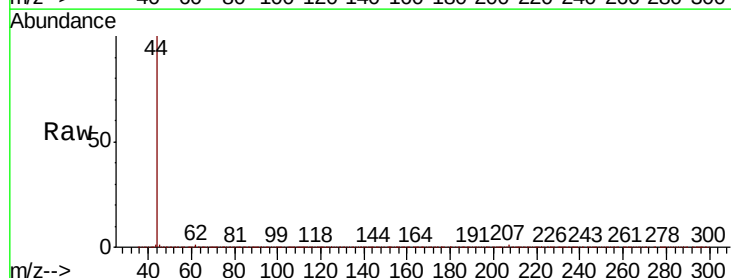
Acq: 22 Apr 2020 16:38

Tgt Ion: 62 Resp: 3621

Ion Ratio Lower Upper

62 100

64 37.0 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

4000

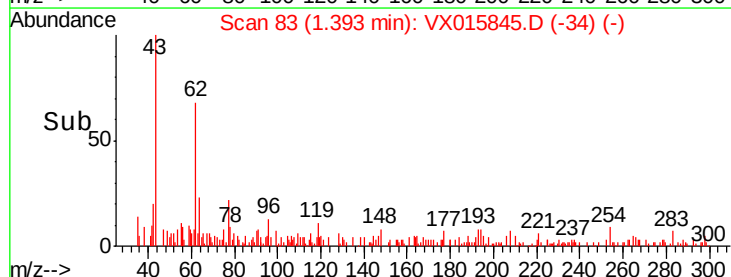
3000

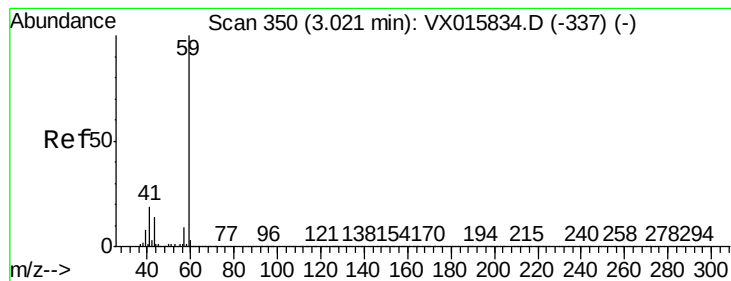
2000

1000

0

Time-->



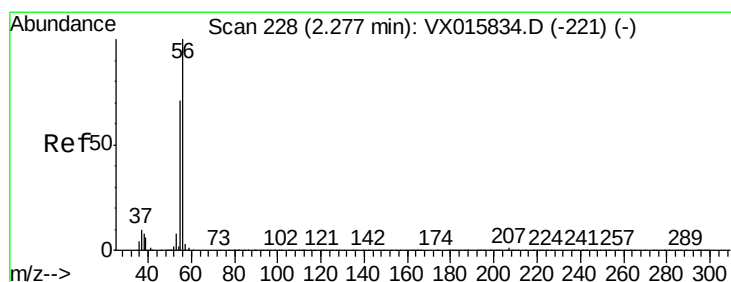
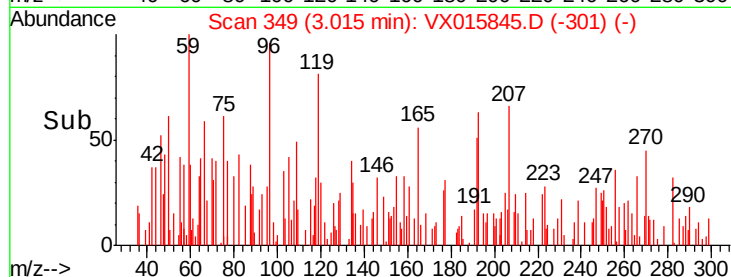
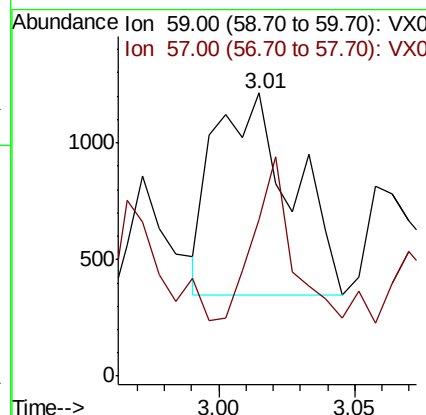
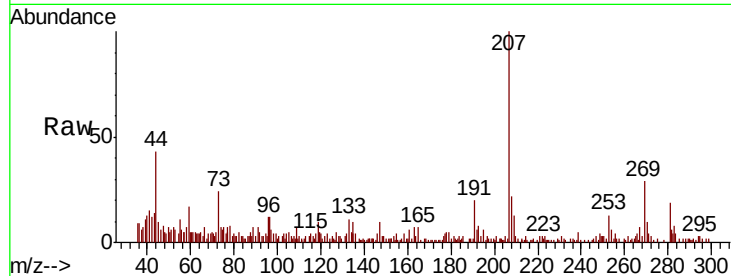


#11

Tert butyl alcohol
Concen: 0.834 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.01 min
Lab File: VX015845.D
Acq: 22 Apr 2020 16:38

Instrument :
MSVOA_X
ClientSampleId :
KY038PS027-200420

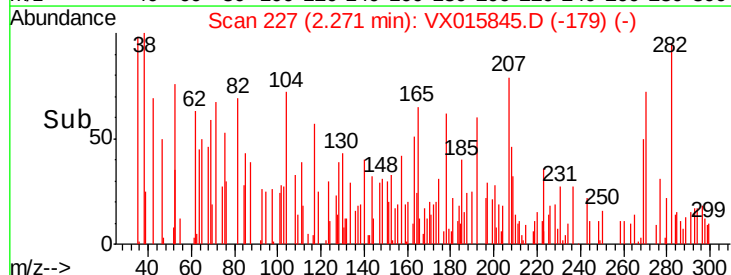
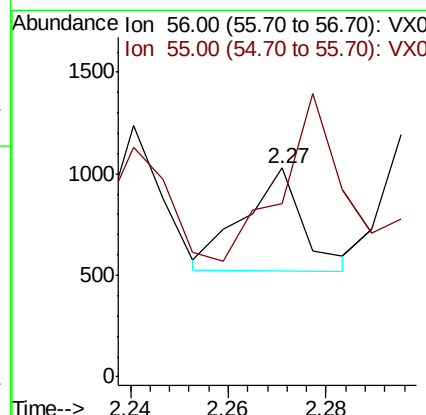
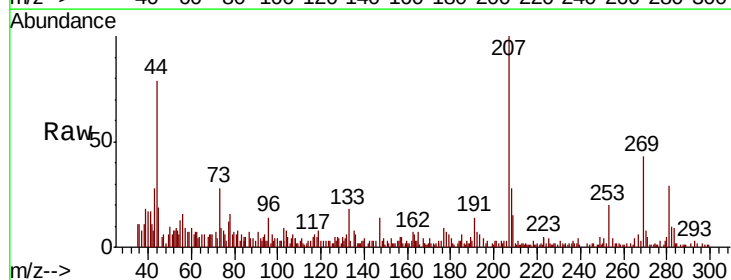
Tot Ion: 59 Resp: 1722
Ion Ratio Lower Upper
59 100
57 39.1 8.2 12.2#

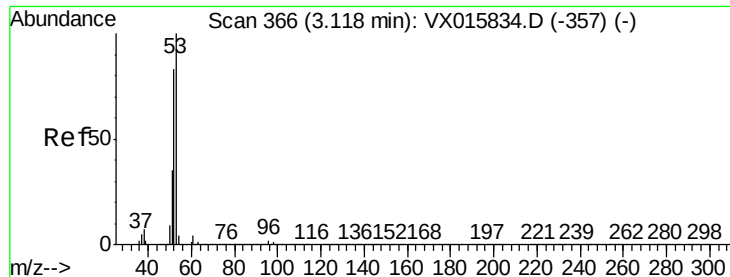


#13

Acrolein
Concen: 0.350 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.01 min
Lab File: VX015845.D
Acq: 22 Apr 2020 16:38

Tgt Ion: 56 Resp: 428
Ion Ratio Lower Upper
56 100
55 235.0 56.1 84.1#





#15

Acrylonitrile

Concen: 0.324 ug/l

RT: 3.12 min Scan# 366

Delta R.T. 0.00 min

Lab File: VX015845.D

Acq: 22 Apr 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

KY038PS027-200420

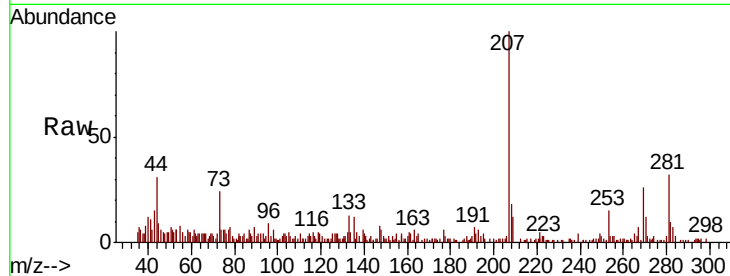
Tot Ion: 53 Resp: 1555

Ion Ratio Lower Upper

53 100

52 53.7 66.2 99.4#

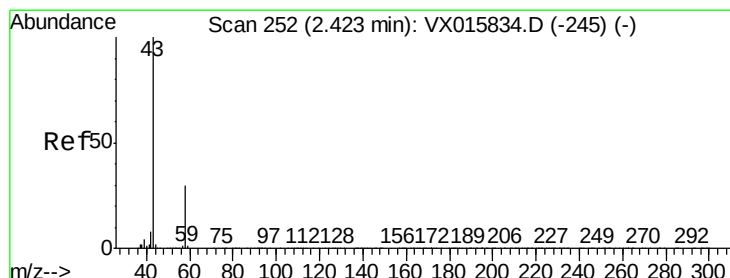
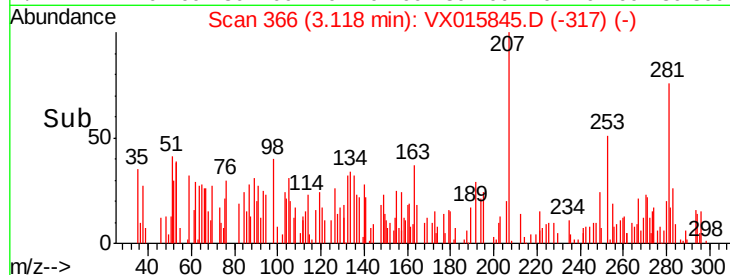
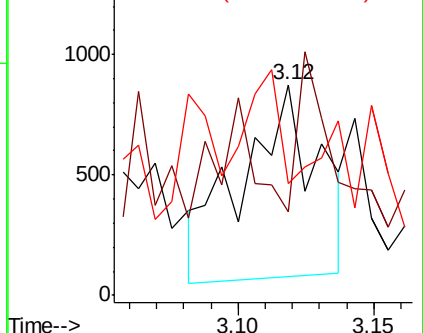
51 21.6 28.6 43.0#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 74.060 ug/l

RT: 2.42 min Scan# 251

Delta R.T. -0.01 min

Lab File: VX015845.D

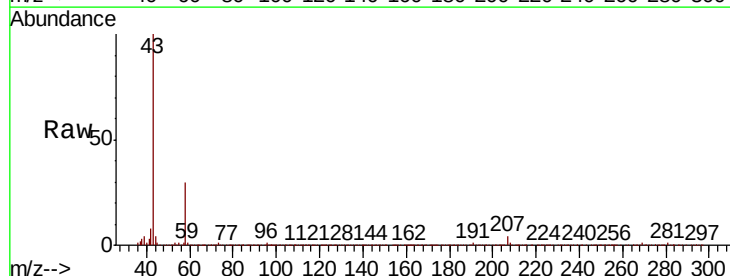
Acq: 22 Apr 2020 16:38

Tgt Ion: 43 Resp: 326028

Ion Ratio Lower Upper

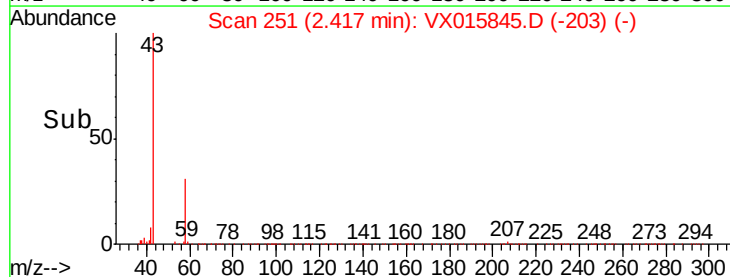
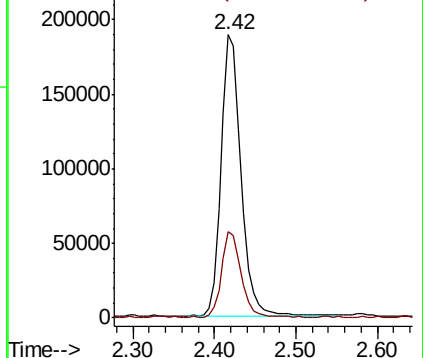
43 100

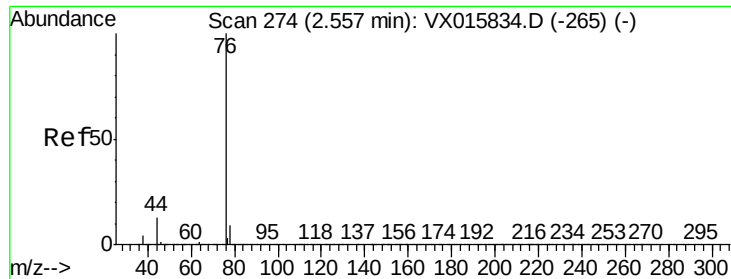
58 30.3 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

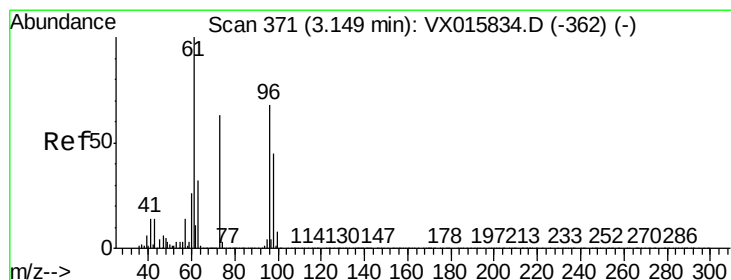
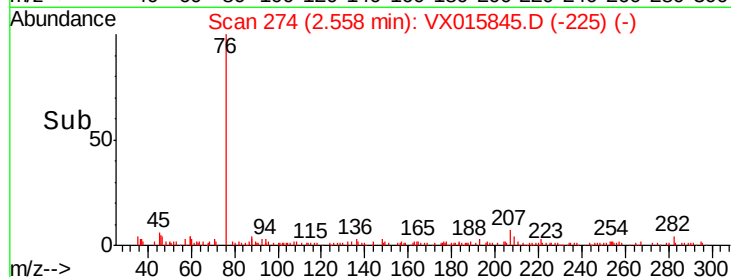
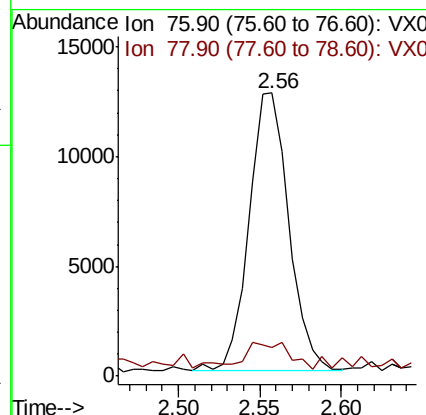
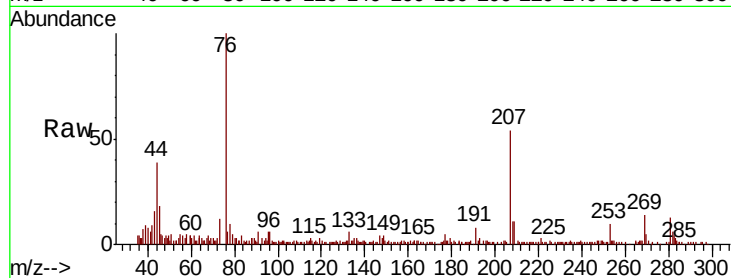




#17
Carbon Disulfide
Concen: 0.757 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX015845.D
Acq: 22 Apr 2020 16:38

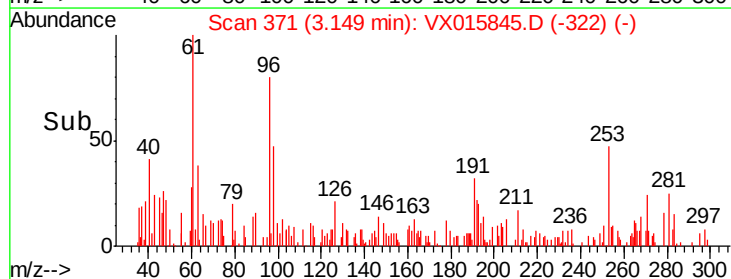
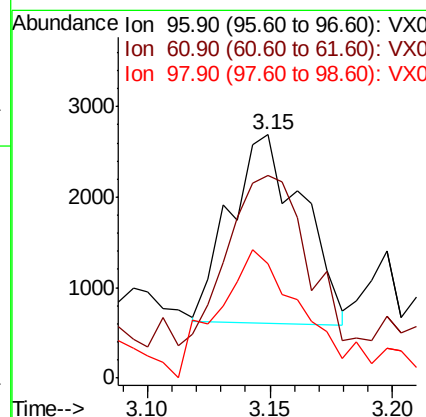
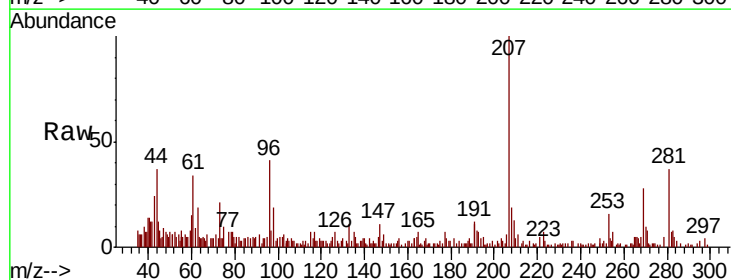
Instrument :
MSVOA_X
ClientSampleId :
KY038PS027-200420

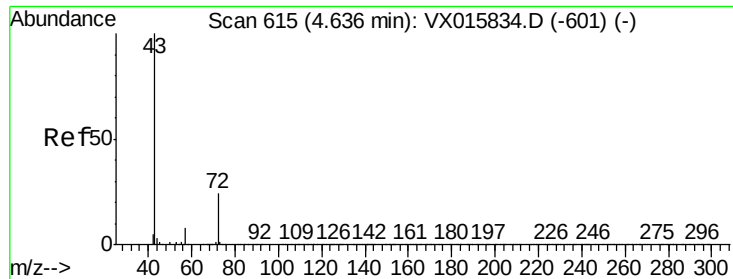
Tot Ion: 76 Resp: 21395
Ion Ratio Lower Upper
76 100
78 7.2 7.4 11.2#



#21
trans-1,2-Dichloroethene
Concen: 0.501 ug/l
RT: 3.15 min Scan# 371
Delta R.T. 0.00 min
Lab File: VX015845.D
Acq: 22 Apr 2020 16:38

Tgt Ion: 96 Resp: 4325
Ion Ratio Lower Upper
96 100
61 90.3 117.5 176.3#
98 51.8 52.7 79.1#





#25

2-Butanone

Concen: 38.529 ug/l

RT: 4.64 min Scan# 615

Delta R.T. 0.00 min

Lab File: VX015845.D

Acq: 22 Apr 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

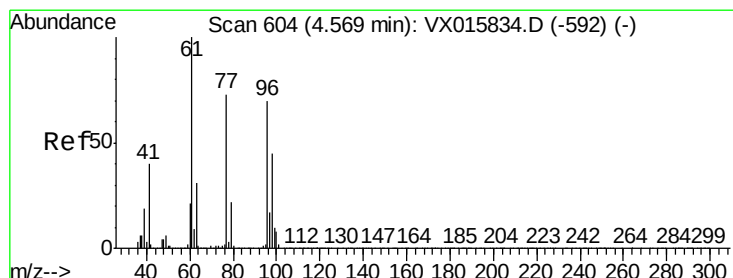
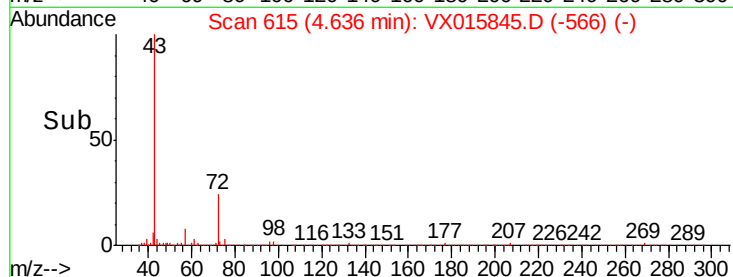
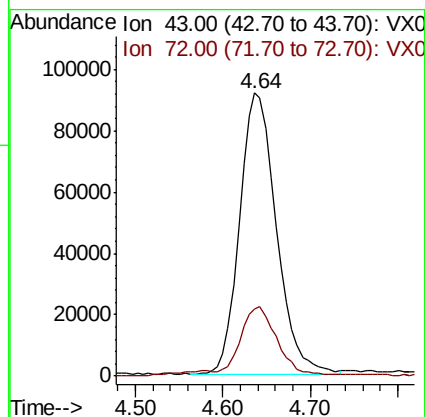
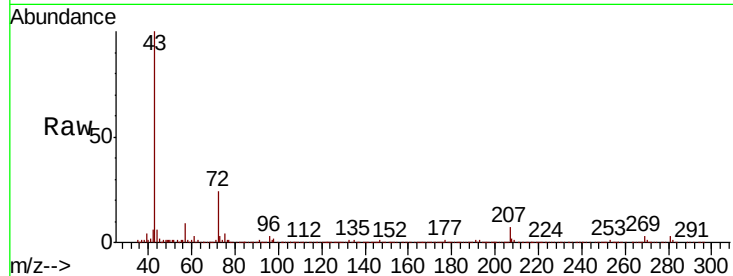
KY038PS027-200420

Tot Ion: 43 Resp: 268092

Ion Ratio Lower Upper

43 100

72 23.4 19.4 29.2



#27

cis-1,2-Dichloroethene

Concen: 50.397 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX015845.D

Acq: 22 Apr 2020 16:38

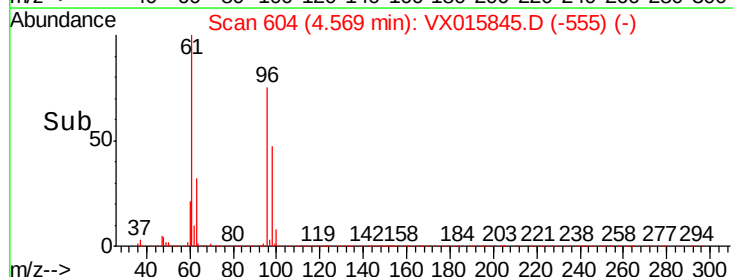
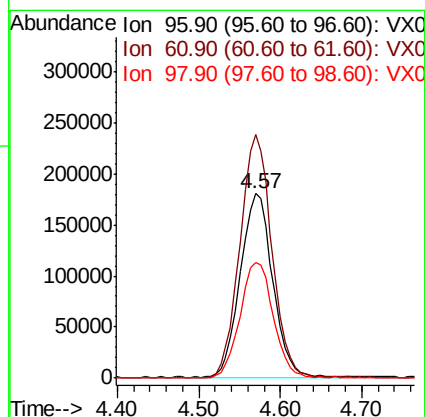
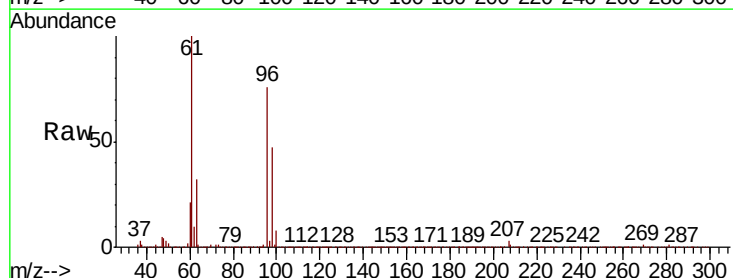
Tgt Ion: 96 Resp: 494255

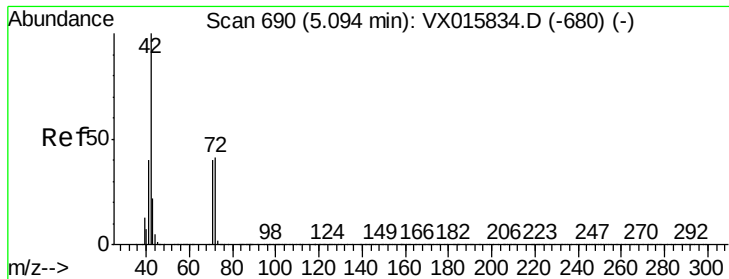
Ion Ratio Lower Upper

96 100

61 131.5 0.0 299.4

98 65.0 0.0 129.6





#29

Tetrahydrofuran

Concen: 56.440 ug/l

RT: 5.09 min Scan# 690

Delta R.T. 0.00 min

Lab File: VX015845.D

Acq: 22 Apr 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

KY038PS027-200420

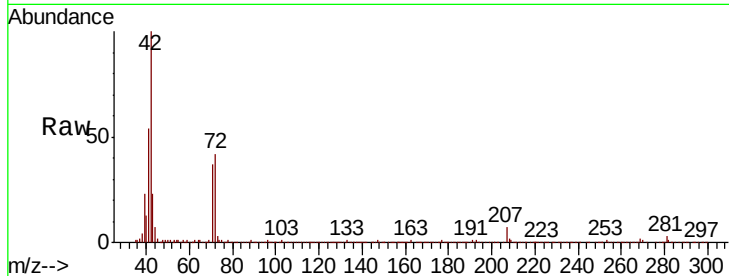
Tot Ion: 42 Resp: 259756

Ion Ratio Lower Upper

42 100

72 40.2 33.0 49.6

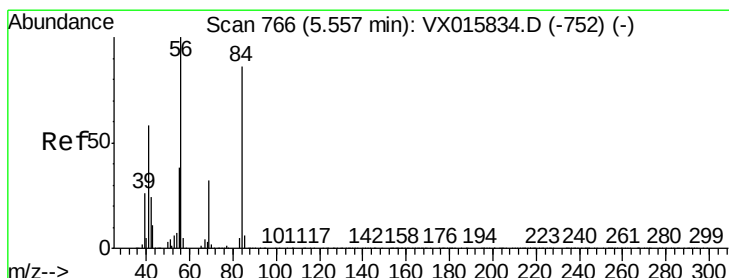
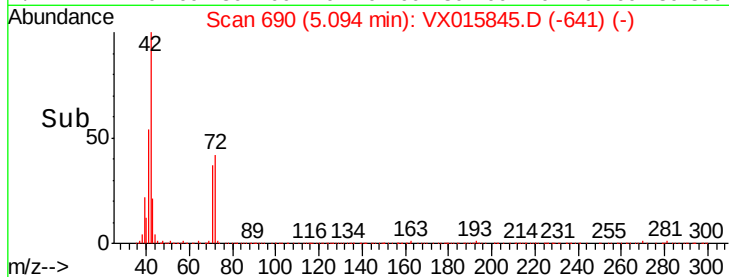
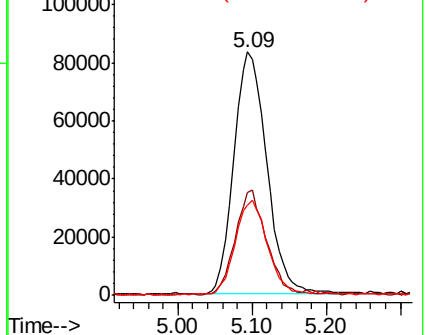
71 37.1 30.6 45.8



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



#31

Cyclohexane

Concen: 1.069 ug/l

RT: 5.63 min Scan# 778

Delta R.T. 0.07 min

Lab File: VX015845.D

Acq: 22 Apr 2020 16:38

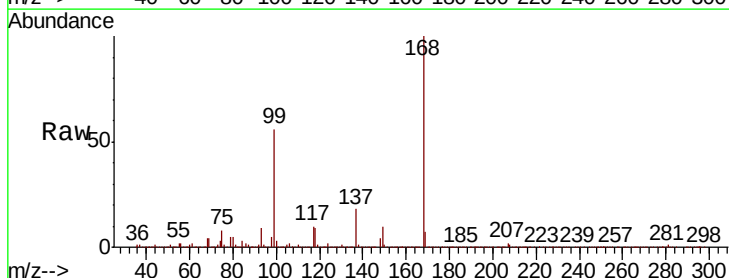
Tgt Ion: 56 Resp: 15788

Ion Ratio Lower Upper

56 100

69 195.7 25.3 37.9#

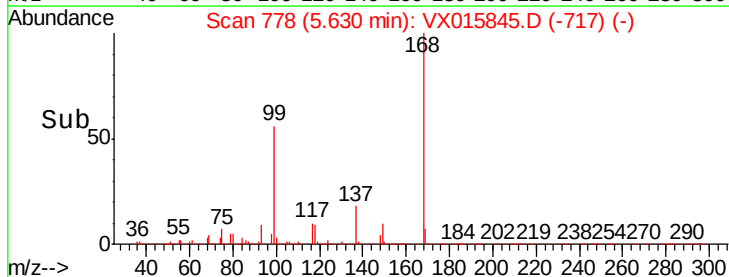
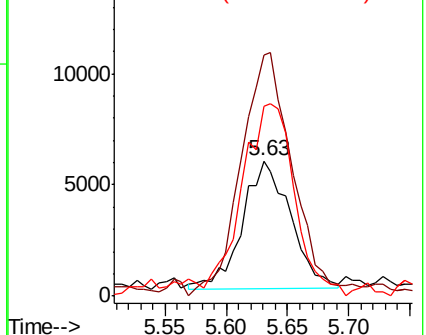
84 144.2 69.1 103.7#

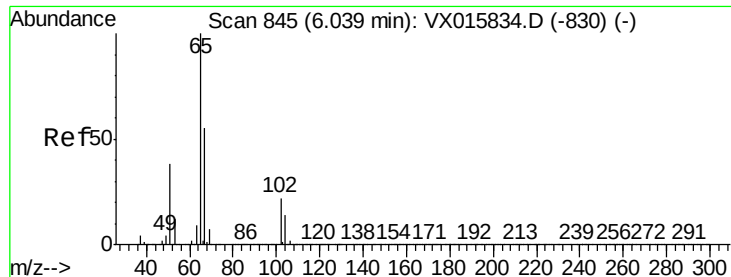


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

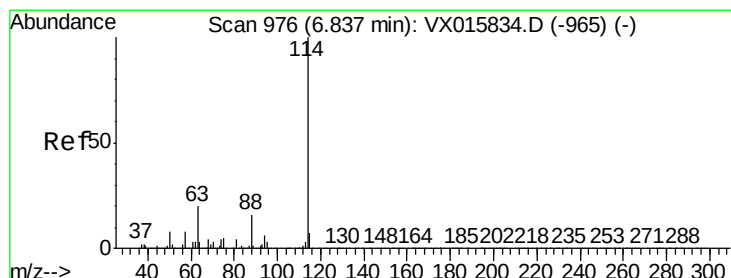
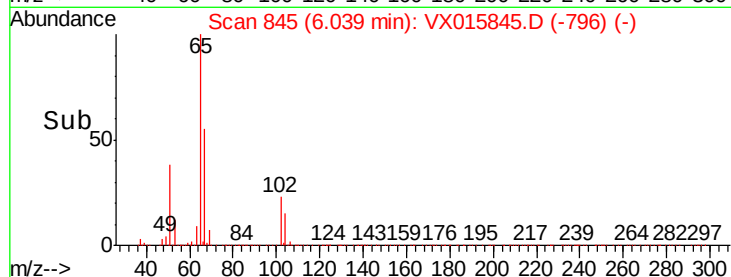
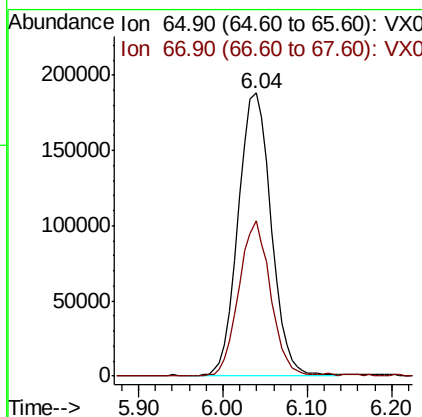
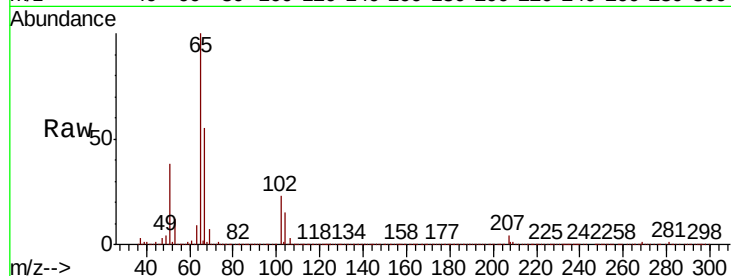




#33
 1,2-Dichloroethane-d4
 Concen: 49.174 ug/l
 RT: 6.04 min Scan# 845
 Delta R.T. 0.00 min
 Lab File: VX015845.D
 Acq: 22 Apr 2020 16:38

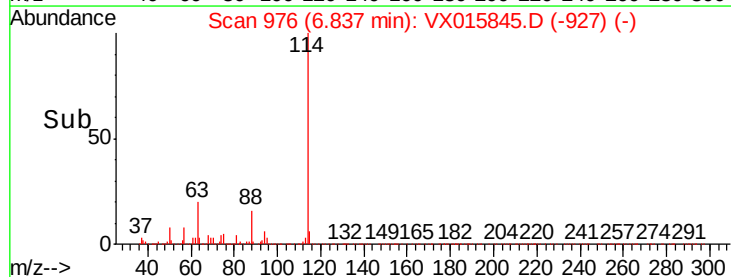
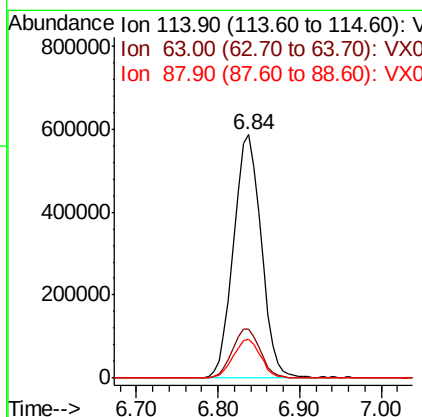
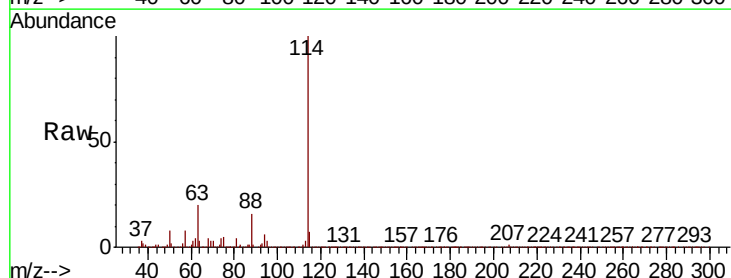
Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS027-200420

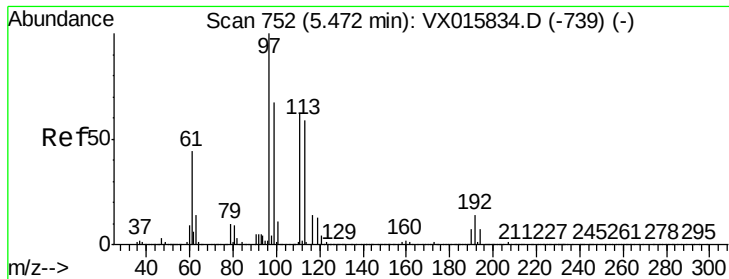
Tot Ion: 65 Resp: 497157
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VX015845.D
 Acq: 22 Apr 2020 16:38

Tgt Ion: 114 Resp: 1376231
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.6
 88 16.1 0.0 32.8

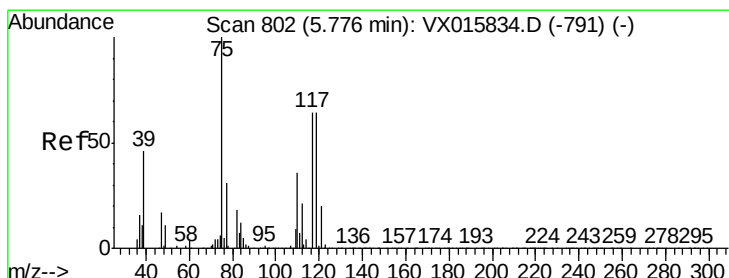
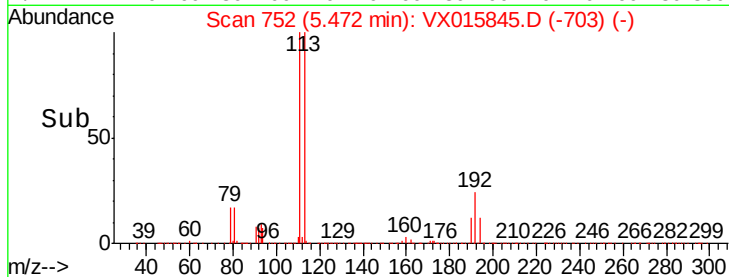
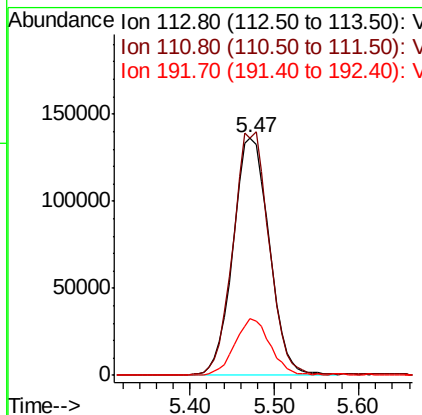
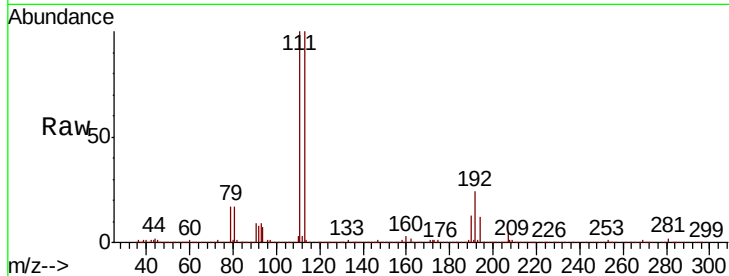




#35
 Dibromofluoromethane
 Concen: 49.737 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VX015845.D
 Acq: 22 Apr 2020 16:38

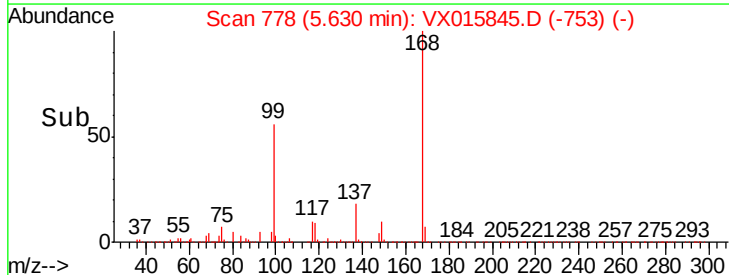
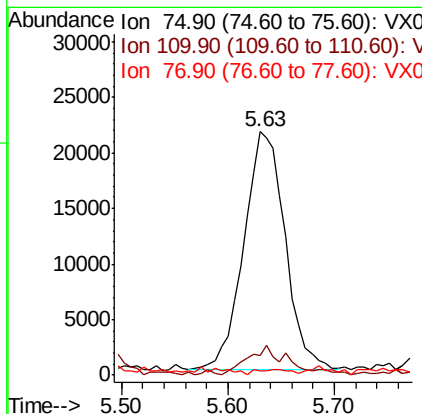
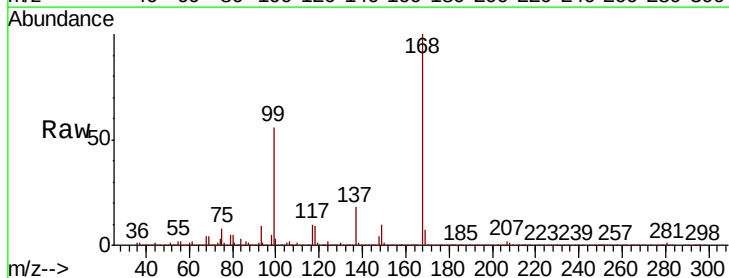
Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS027-200420

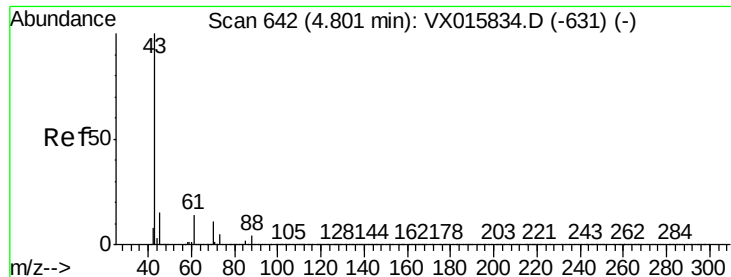
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.7	124.1
192	22.9	19.3	28.9



#36
 1,1-Dichloropropene
 Concen: 4.774 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.15 min
 Lab File: VX015845.D
 Acq: 22 Apr 2020 16:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.3	17.9	53.8#
77	2.0	24.5	36.7#

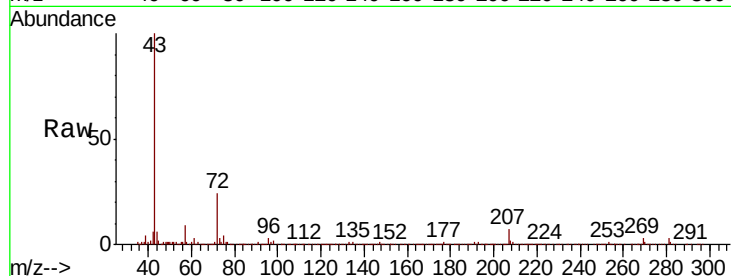




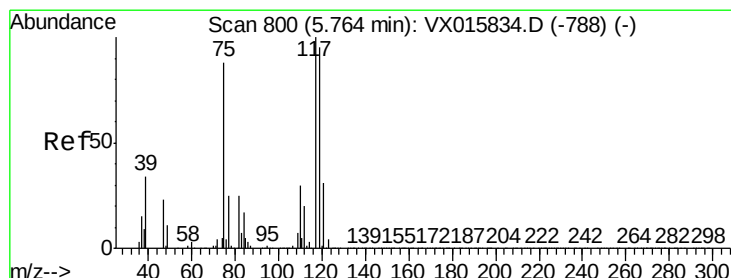
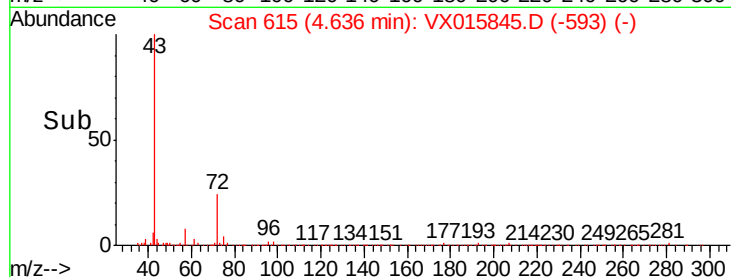
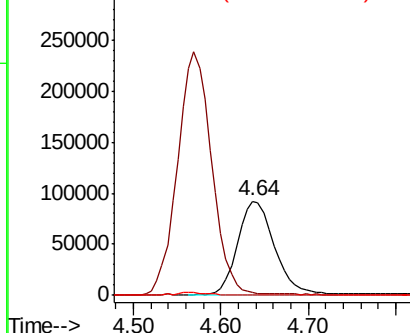
#37
Ethyl Acetate
Concen: 18.463 ug/l
RT: 4.64 min Scan# 615
Delta R.T. -0.16 min
Lab File: VX015845.D
Acq: 22 Apr 2020 16:38

Instrument :
MSVOA_X
ClientSampleId :
KY038PS027-200420

Tot Ion: 43 Resp: 268092
Ion Ratio Lower Upper
43 100
61 0.0 10.8 16.2#
70 0.0 8.2 12.2#

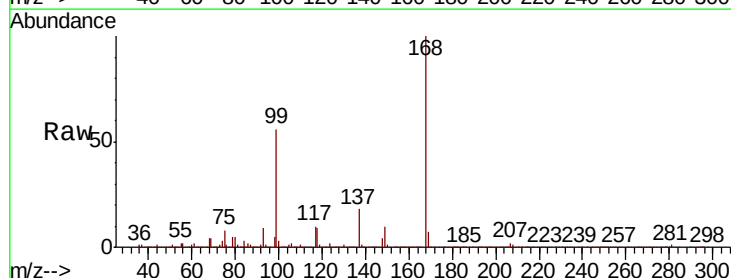


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

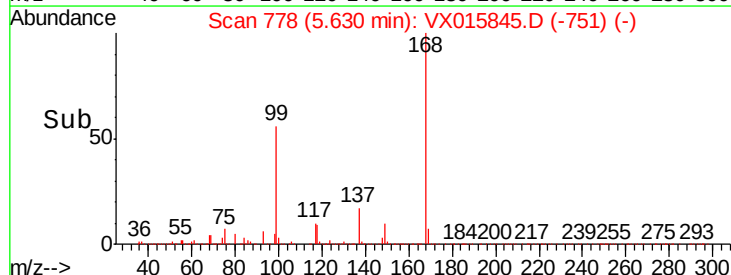
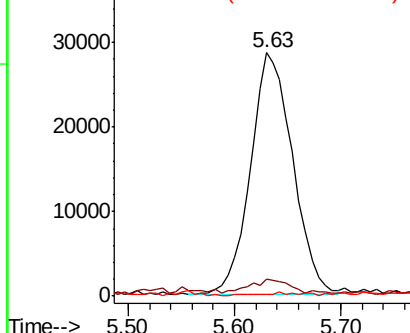


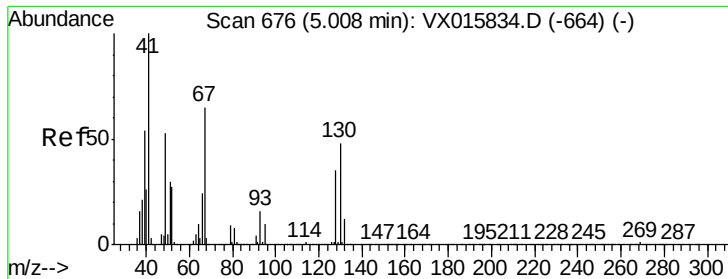
#38
Carbon Tetrachloride
Concen: 6.582 ug/l
RT: 5.63 min Scan# 778
Delta R.T. -0.13 min
Lab File: VX015845.D
Acq: 22 Apr 2020 16:38

Tgt Ion: 117 Resp: 79097
Ion Ratio Lower Upper
117 100
119 5.9 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





#41

Methacrylonitrile

Concen: 17.671 ug/l

RT: 5.10 min Scan# 691

Delta R.T. 0.09 min

Lab File: VX015845.D

Acq: 22 Apr 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

KY038PS027-200420

Tot Ion: 41 Resp: 142580

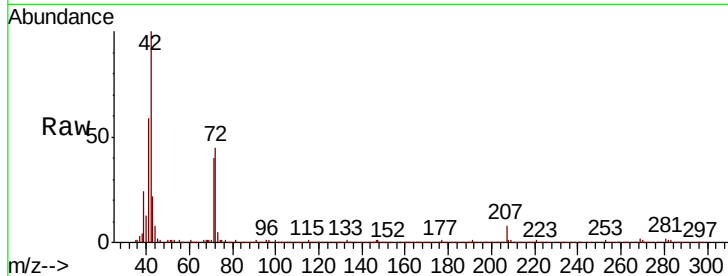
Ion Ratio Lower Upper

41 100

39 41.3 42.4 63.6#

67 0.8 51.9 77.9#

52 0.3 21.0 31.4#

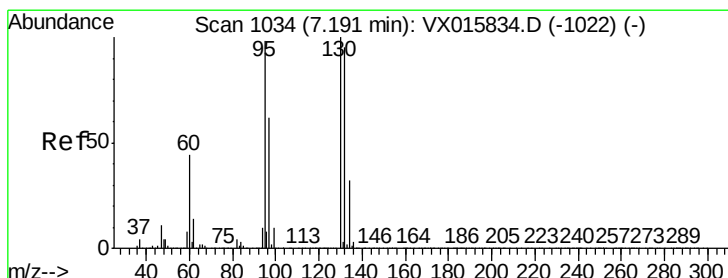
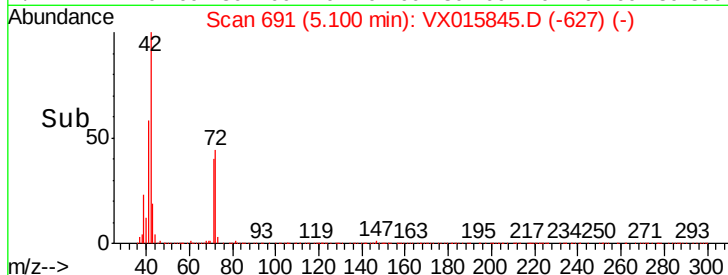
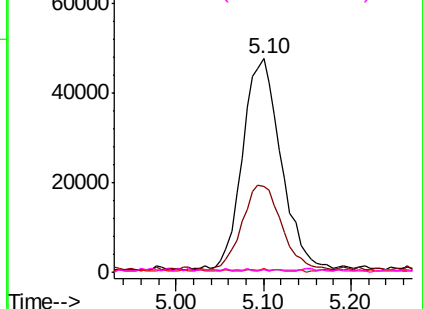


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#44

Trichloroethene

Concen: 2.865 ug/l

RT: 7.19 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VX015845.D

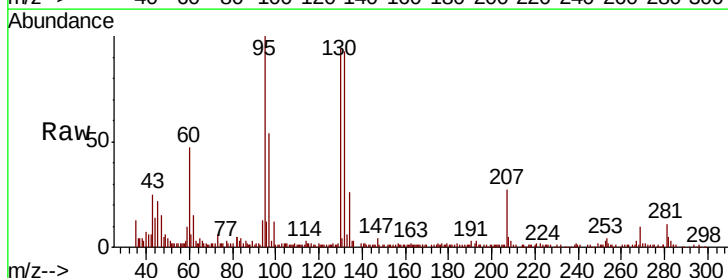
Acq: 22 Apr 2020 16:38

Tgt Ion:130 Resp: 36998

Ion Ratio Lower Upper

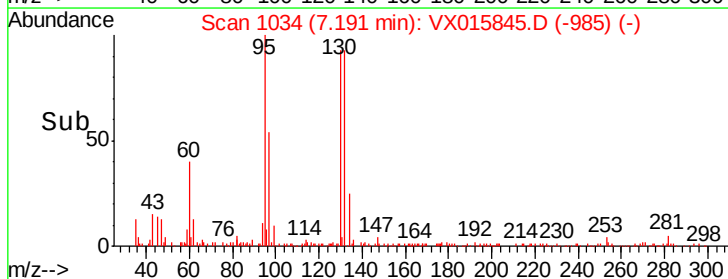
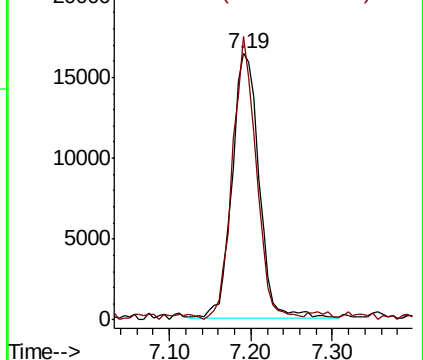
130 100

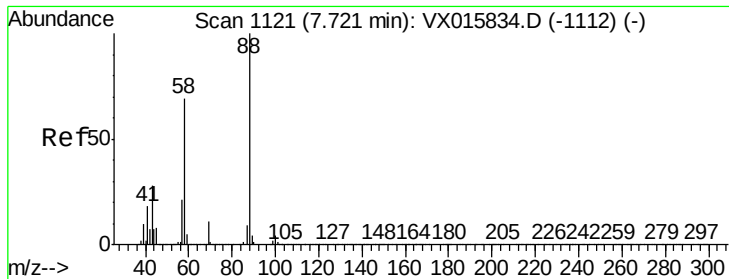
95 106.5 0.0 195.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 1.748 ug/l

RT: 7.72 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VX015845.D

Acq: 22 Apr 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

KY038PS027-200420

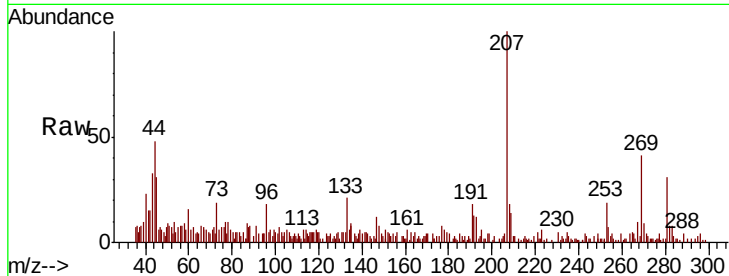
Tot Ion: 88 Resp: 398

Ion Ratio Lower Upper

88 100

43 333.9 28.2 42.4#

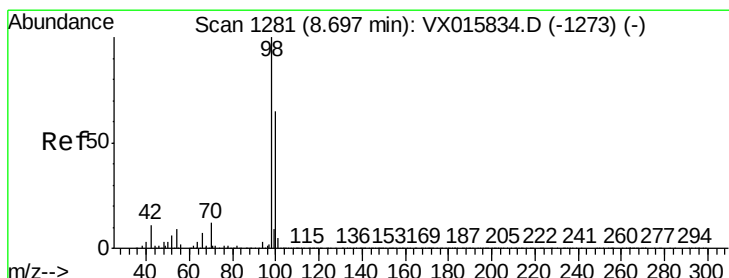
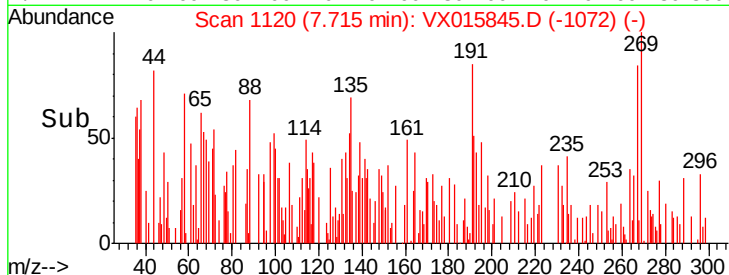
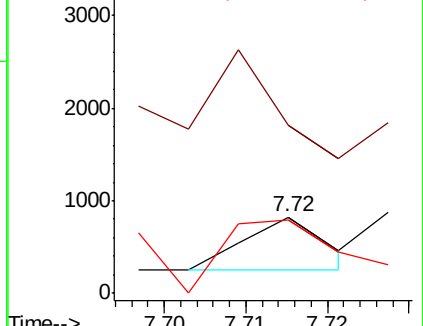
58 293.5 58.9 88.3#



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: 51.009 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015845.D

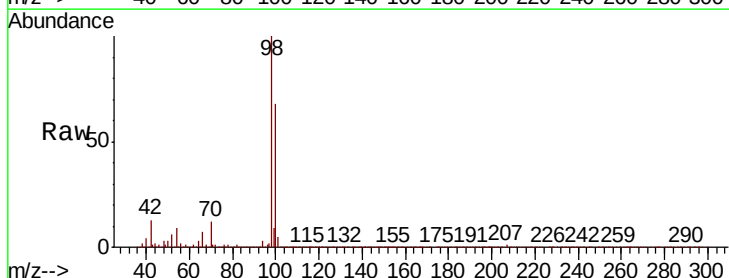
Acq: 22 Apr 2020 16:38

Tgt Ion: 98 Resp: 1631231

Ion Ratio Lower Upper

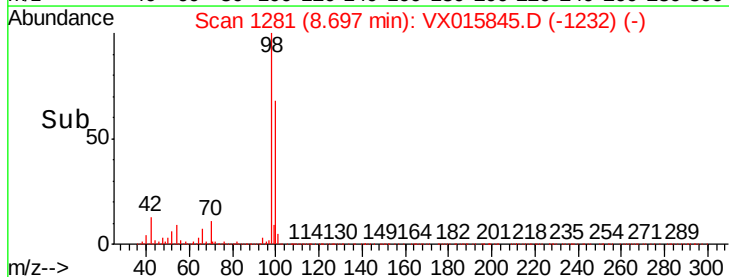
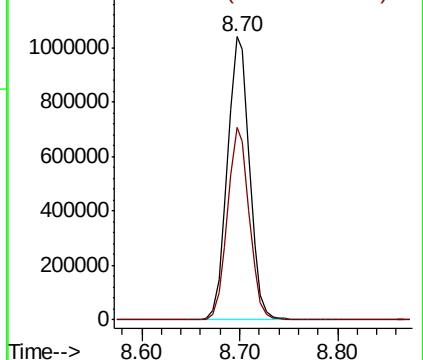
98 100

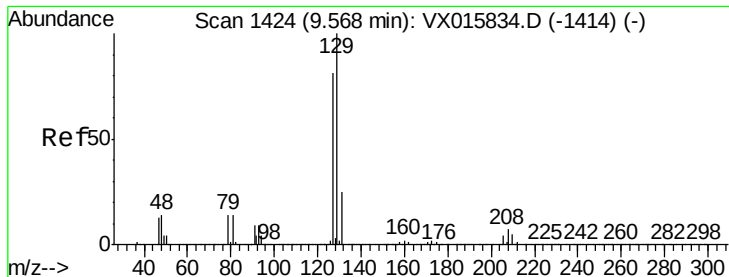
100 67.2 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 2.997 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. -0.25 min

Lab File: VX015845.D

Acq: 22 Apr 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

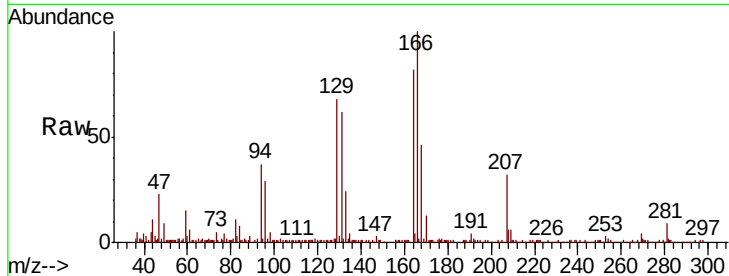
KY038PS027-200420

Tot Ion:129 Resp: 28461

Ion Ratio Lower Upper

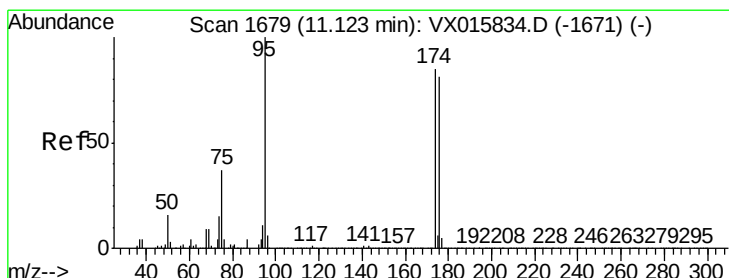
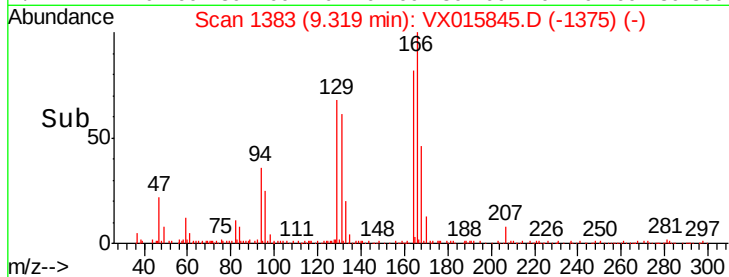
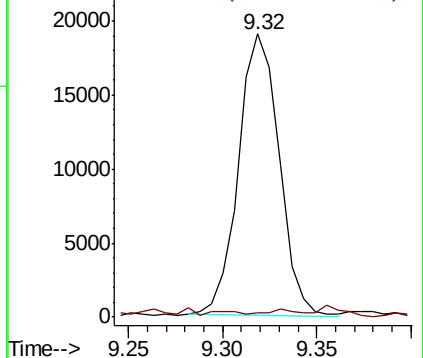
129 100

127 0.6 40.0 120.0#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 51.967 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015845.D

Acq: 22 Apr 2020 16:38

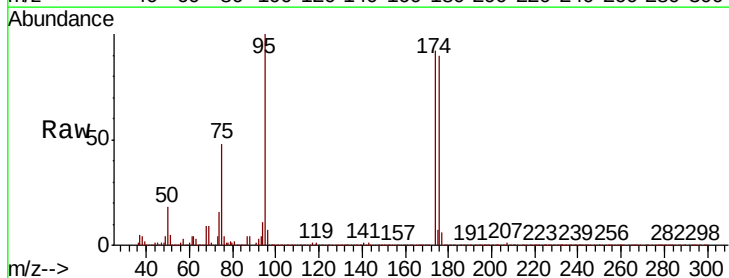
Tgt Ion: 95 Resp: 681749

Ion Ratio Lower Upper

95 100

174 87.1 0.0 172.4

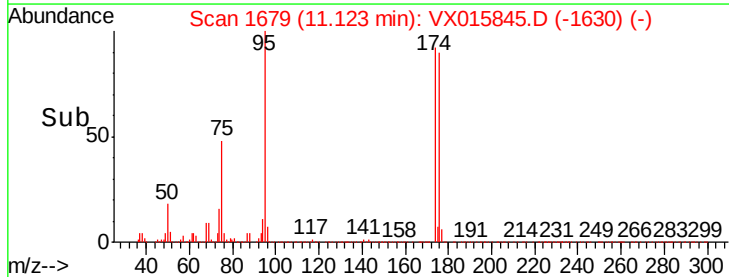
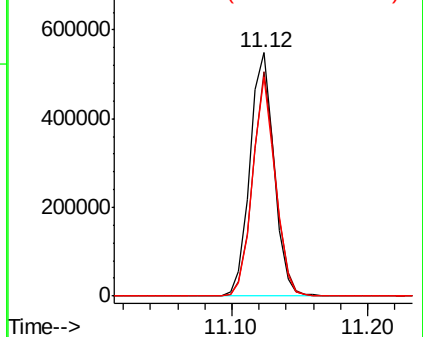
176 85.0 0.0 167.0

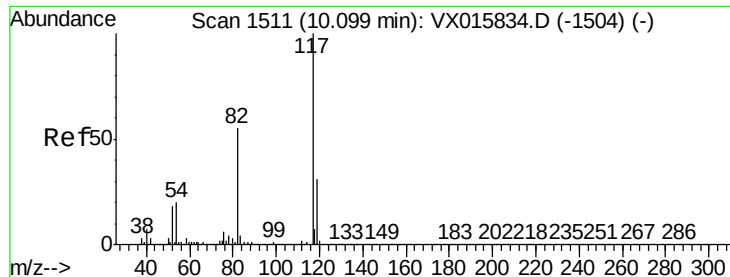


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

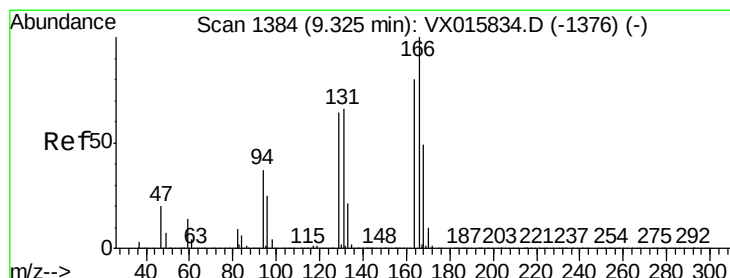
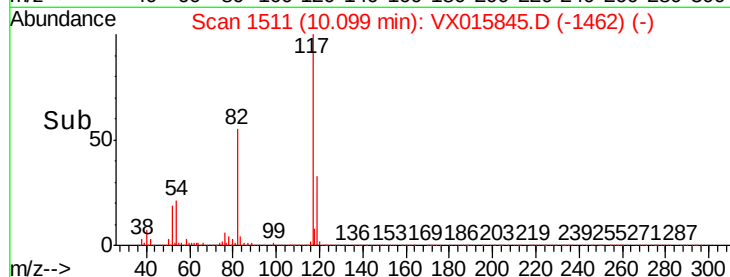
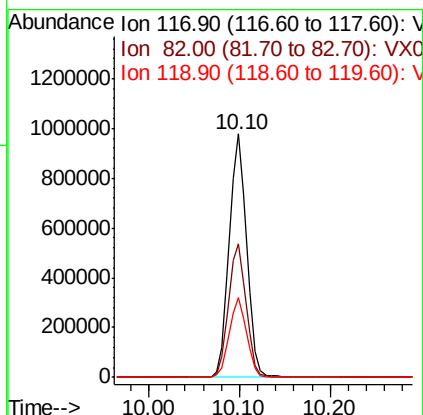
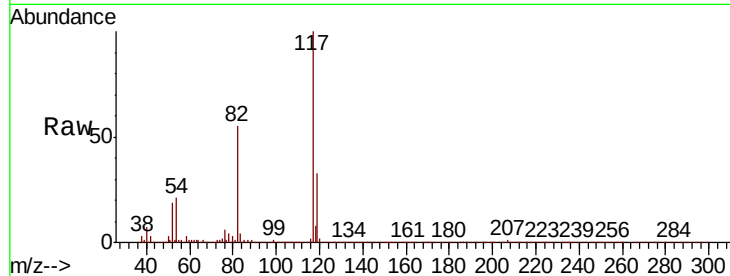




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015845.D
Acq: 22 Apr 2020 16:38

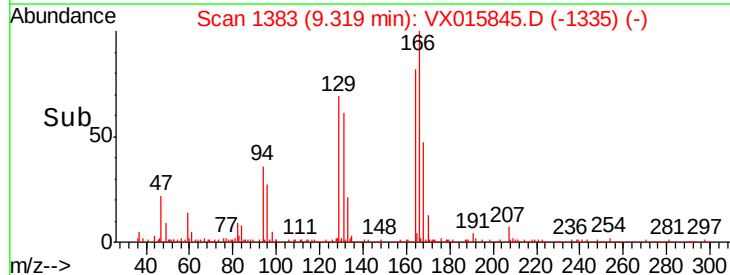
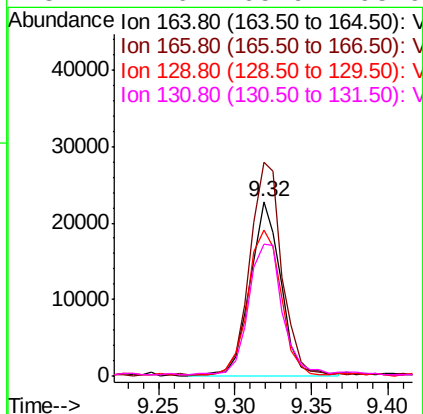
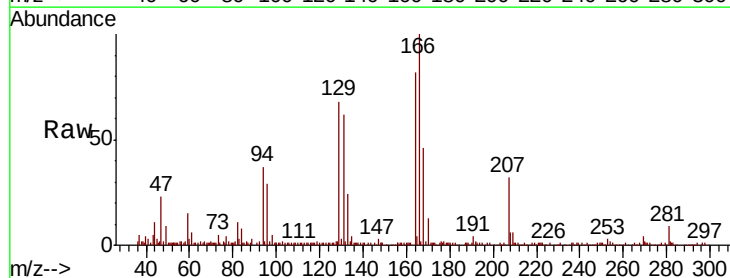
Instrument :
MSVOA_X
ClientSampleId :
KY038PS027-200420

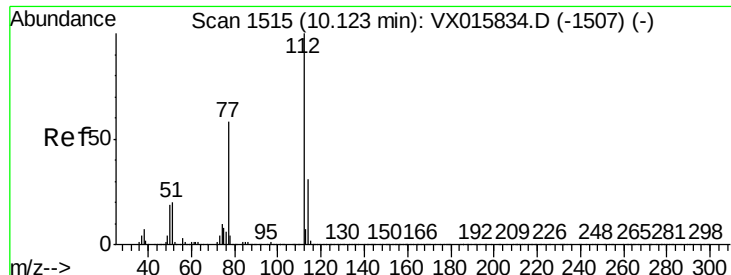
Tot Ion:117 Resp: 1308248
Ion Ratio Lower Upper
117 100
82 55.0 43.9 65.9
119 32.8 25.1 37.7



#64
Tetrachloroethene
Concen: 1.821 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. -0.01 min
Lab File: VX015845.D
Acq: 22 Apr 2020 16:38

Tgt Ion:164 Resp: 32108
Ion Ratio Lower Upper
164 100
166 121.9 100.2 150.2
129 82.8 64.5 96.7
131 74.6 65.9 98.9





#65

Chlorobenzene

Concen: 1.277 ug/l

RT: 10.12 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VX015845.D

Acq: 22 Apr 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

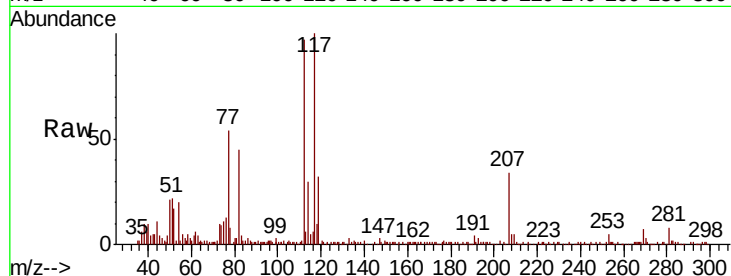
KY038PS027-200420

Tot Ion:112 Resp: 33408

Ion Ratio Lower Upper

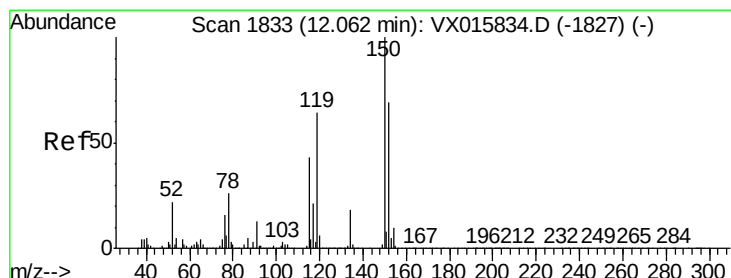
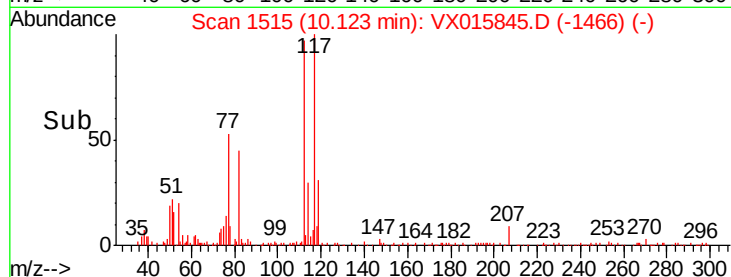
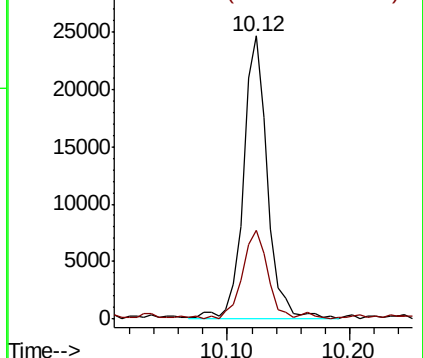
112 100

114 30.8 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): 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: VX015845.D

Acq: 22 Apr 2020 16:38

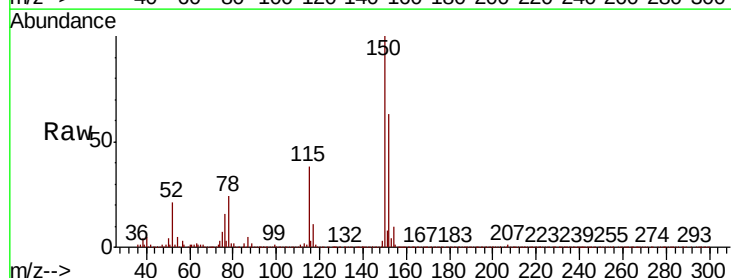
Tgt Ion:152 Resp: 704557

Ion Ratio Lower Upper

152 100

115 58.2 39.0 116.9

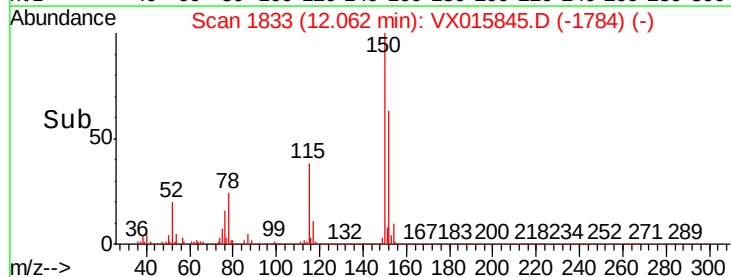
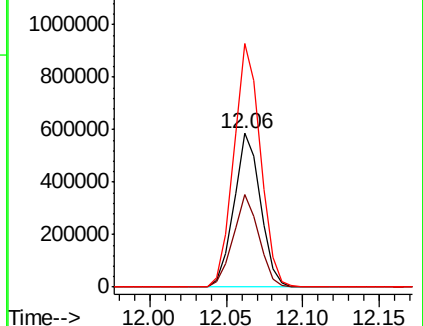
150 159.4 0.0 336.8

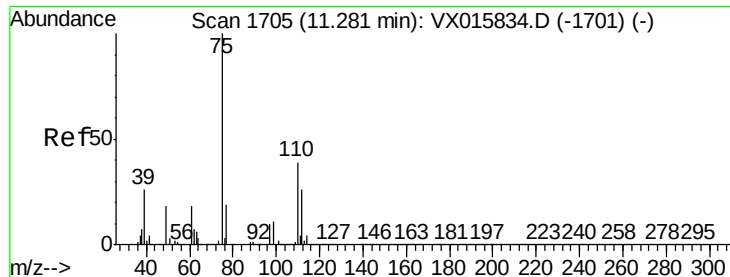


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.666 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015845.D

Acq: 22 Apr 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

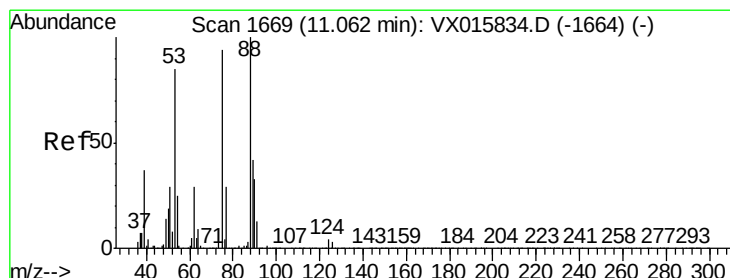
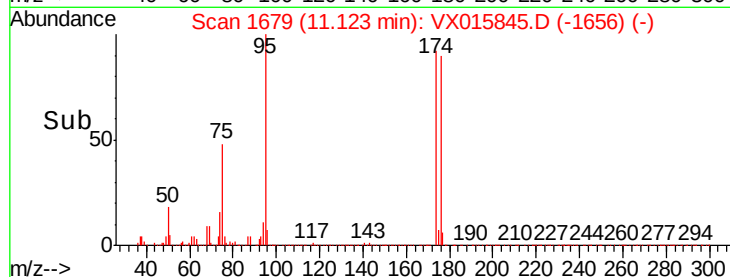
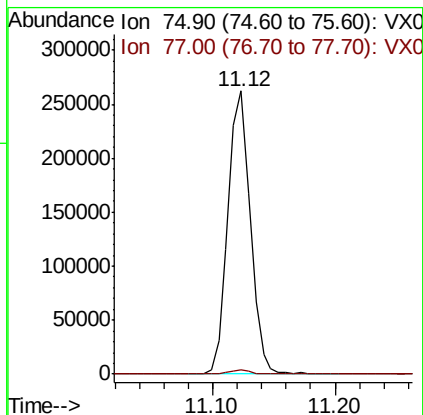
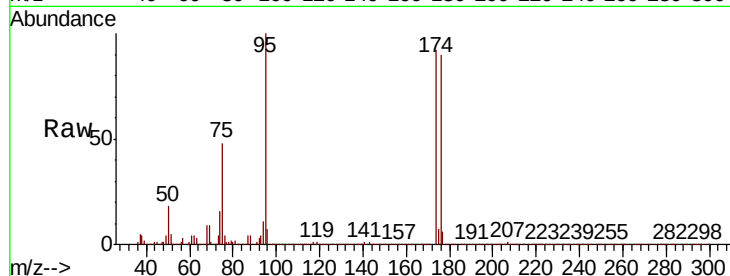
KY038PS027-200420

Tot Ion: 75 Resp: 330468

Ion Ratio Lower Upper

75 100

77 1.3 21.3 63.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.335 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015845.D

Acq: 22 Apr 2020 16:38

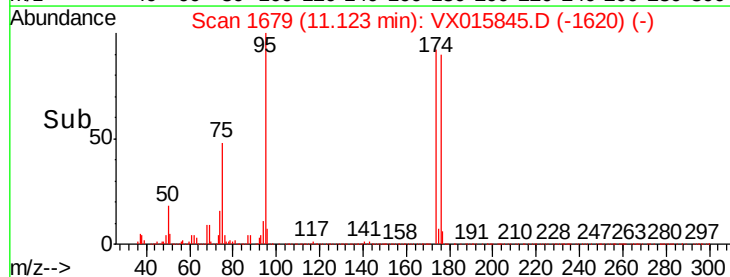
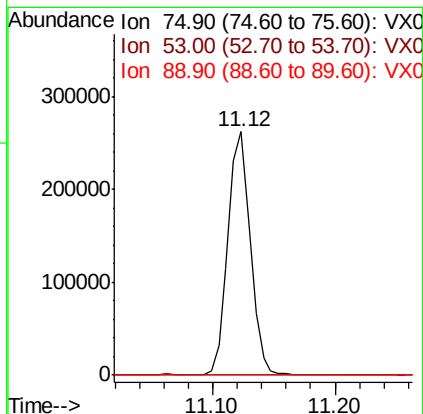
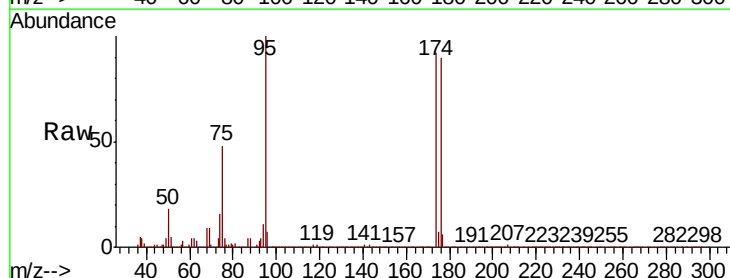
Tgt Ion: 75 Resp: 330468

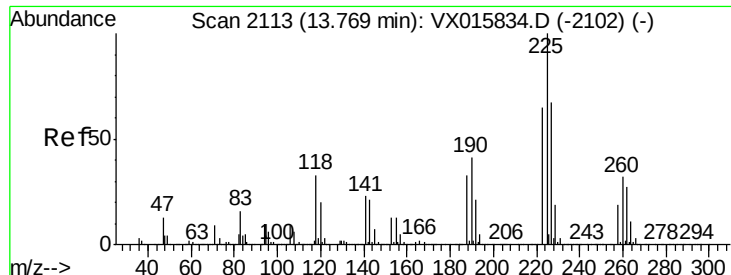
Ion Ratio Lower Upper

75 100

53 0.2 74.2 111.2#

89 0.2 38.0 57.0#





#94

Hexachlorobutadiene

Concen: 0.218 ug/l

RT: 13.77 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VX015845.D

Acq: 22 Apr 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

KY038PS027-200420

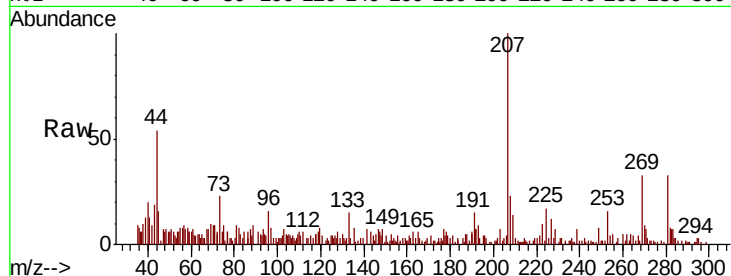
Tot Ion: 225 Resp: 1640

Ion Ratio Lower Upper

225 100

223 77.3 31.3 93.8

227 70.8 32.6 97.8



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

