

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040820\
 Data File : VX015579.D
 Acq On : 08 Apr 2020 19:03
 Operator : JC/SP
 Sample : L2190-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW145-200406

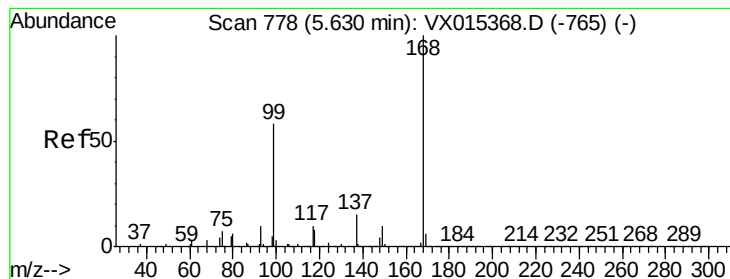
Quant Time: Apr 09 06:25:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1056500	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1677478	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1619436	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	896608	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	694595	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	
35) Dibromofluoromethane	5.47	113	526314	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
50) Toluene-d8	8.70	98	2012220	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	
62) 4-Bromofluorobenzene	11.12	95	870906	54.28	ug/l	0.00
Spiked Amount			Recovery	=	108.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	700	Below Cal	#	24
9) 1,1,2-Trichlorotrifluoroet	2.37	101	3831	0.403	ug/l #	73
11) Tert butyl alcohol	3.03	59	1666	0.467	ug/l #	26
13) Acrolein	2.29	56	418	0.206	ug/l #	1
16) Acetone	2.42	43	12790	1.998	ug/l	91
27) cis-1,2-Dichloroethene	4.57	96	30966	2.418	ug/l	85
31) Cyclohexane	5.63	56	24272	1.287	ug/l #	22
36) 1,1-Dichloropropene	5.64	75	77829	5.035	ug/l #	52
38) Carbon Tetrachloride	5.64	117	98261	5.870	ug/l #	14
44) Trichloroethene	7.20	130	19522	1.581	ug/l	88
49) 1,4-Dioxane	7.72	88	666	2.104	ug/l #	40
60) Dibromochloromethane	9.32	129	86404	6.288	ug/l #	12
64) Tetrachloroethene	9.32	164	95718	7.832	ug/l	94
76) 1,2,3-Trichloropropane	11.12	75	451102	24.466	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	451102	58.705	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015579.D

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MSVOA_X

ClientSampleId :

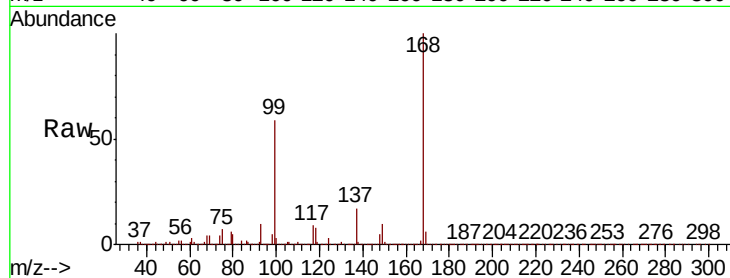
KY062MW145-200406

Tot Ion:168 Resp: 1056500

Ion Ratio Lower Upper

168 100

99 58.6 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

300000

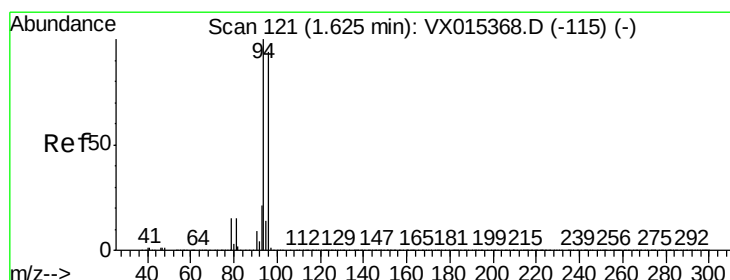
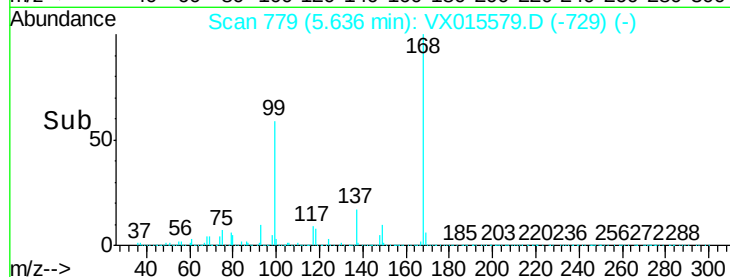
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015579.D

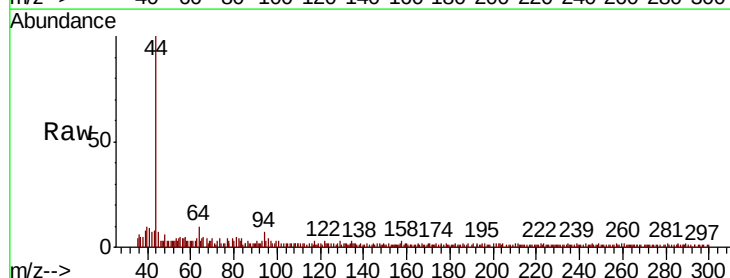
Acq: 08 Apr 2020 19:03

Tgt Ion: 94 Resp: 700

Ion Ratio Lower Upper

94 100

96 20.2 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1000

800

600

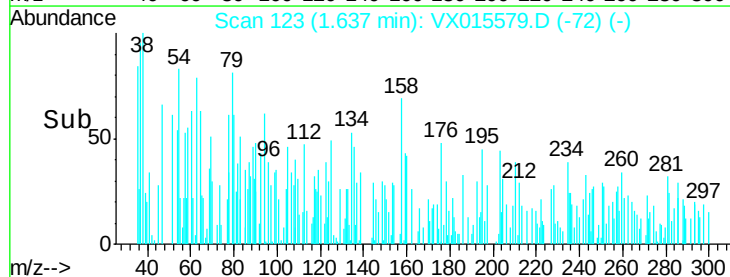
400

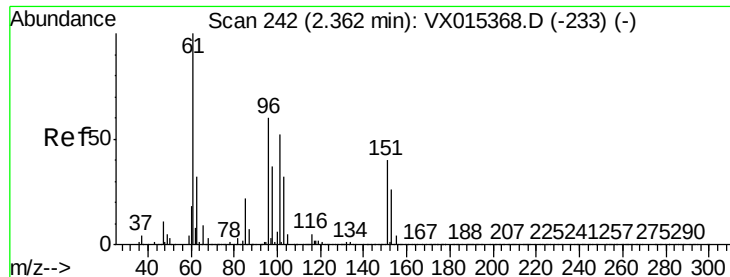
200

0

Time-->

1.60 1.62 1.64 1.66





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.403 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX015579.D

Acq: 08 Apr 2020 19:03

Instrument :

MSVOA_X

ClientSampleId :

KY062MW145-200406

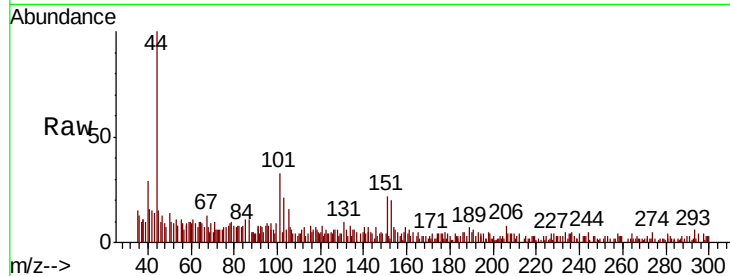
Tot Ion:101 Resp: 3831

Ion Ratio Lower Upper

101 100

85 13.6 35.0 52.4#

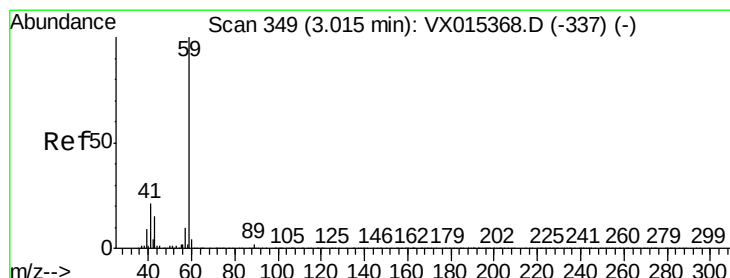
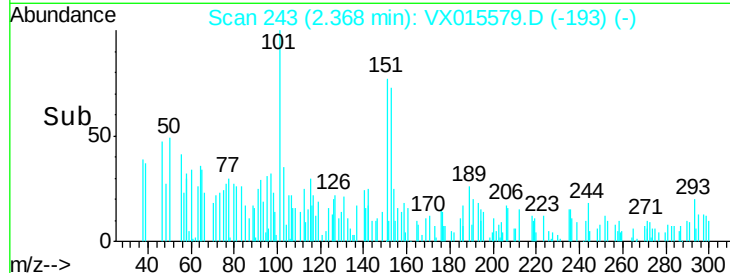
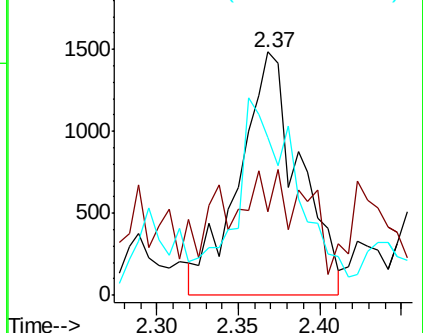
151 65.4 64.1 96.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 0.467 ug/l

RT: 3.03 min Scan# 352

Delta R.T. 0.02 min

Lab File: VX015579.D

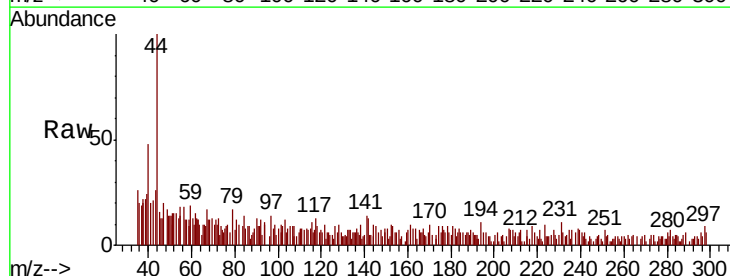
Acq: 08 Apr 2020 19:03

Tgt Ion: 59 Resp: 1666

Ion Ratio Lower Upper

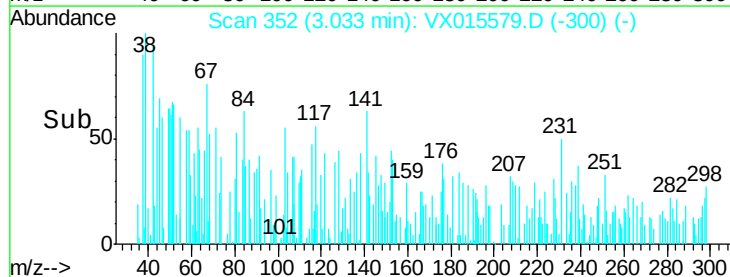
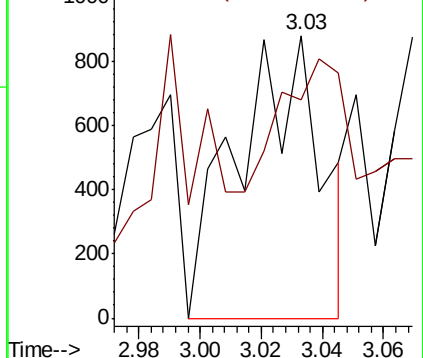
59 100

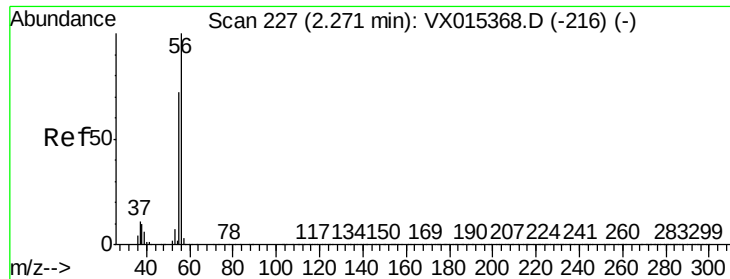
57 37.7 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

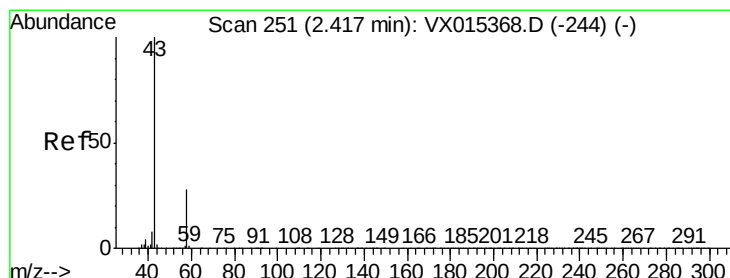
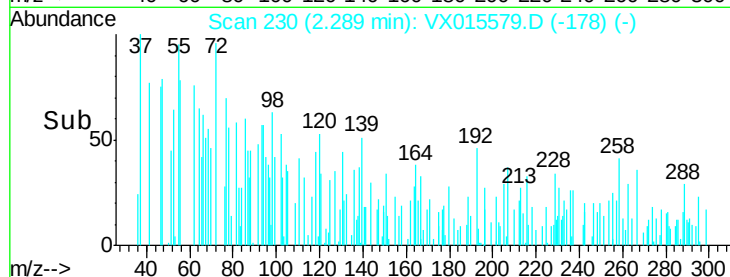
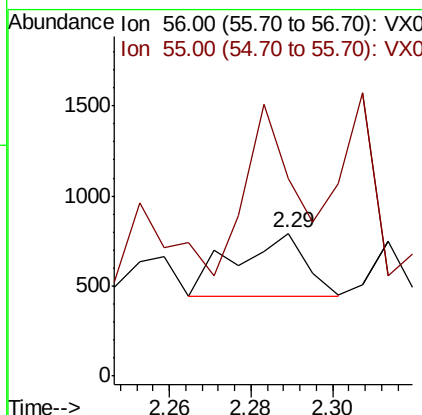
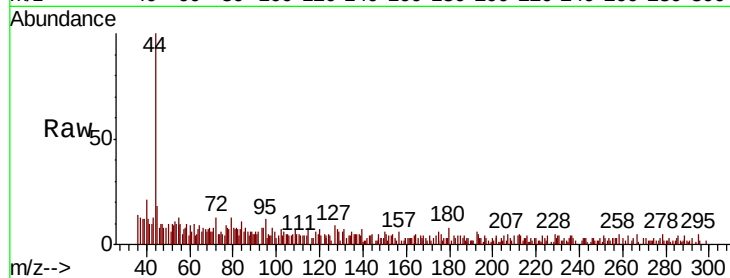




#13
Acrolein
Concen: 0.206 ug/l
RT: 2.29 min Scan# 230
Delta R.T. 0.02 min
Lab File: VX015579.D
Acq: 08 Apr 2020 19:03

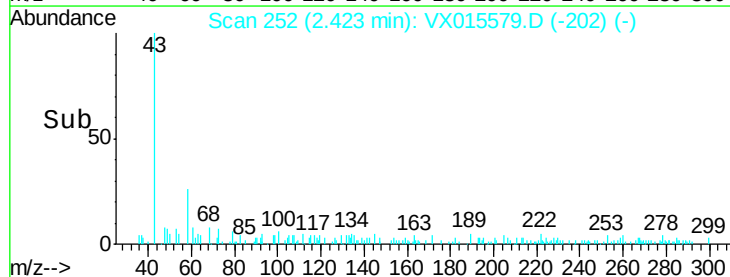
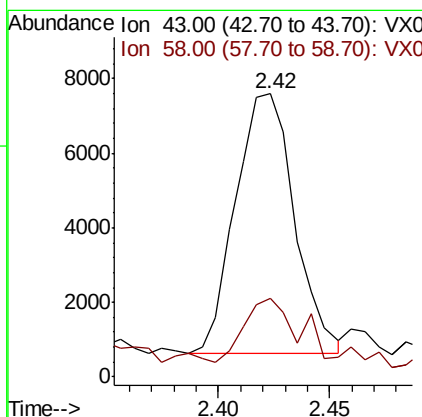
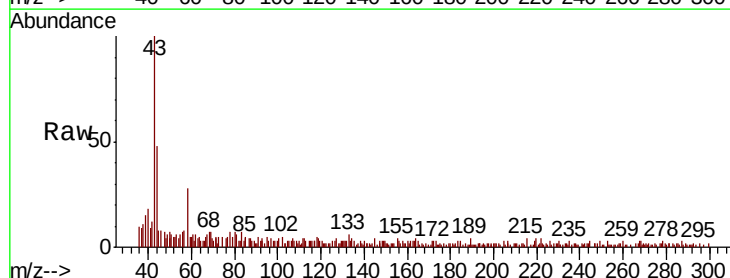
Instrument :
MSVOA_X
ClientSampleId :
KY062MW145-200406

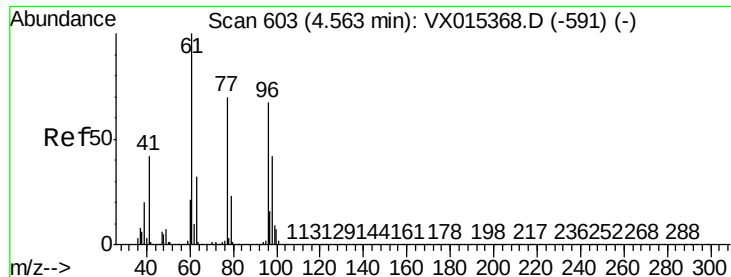
Tot Ion: 56 Resp: 418
Ion Ratio Lower Upper
56 100
55 211.2 57.0 85.4#



#16
Acetone
Concen: 1.998 ug/l
RT: 2.42 min Scan# 252
Delta R.T. 0.01 min
Lab File: VX015579.D
Acq: 08 Apr 2020 19:03

Tgt Ion: 43 Resp: 12790
Ion Ratio Lower Upper
43 100
58 22.7 22.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 2.418 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX015579.D

Acq: 08 Apr 2020 19:03

Instrument :

MSVOA_X

ClientSampleId :

KY062MW145-200406

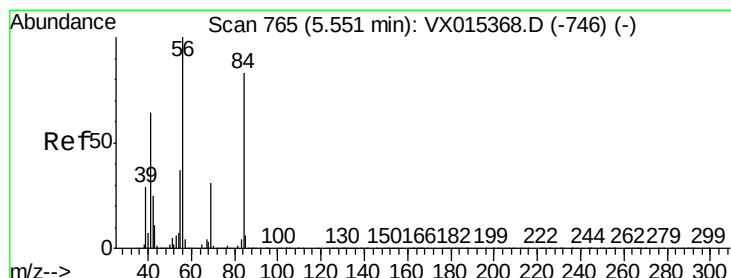
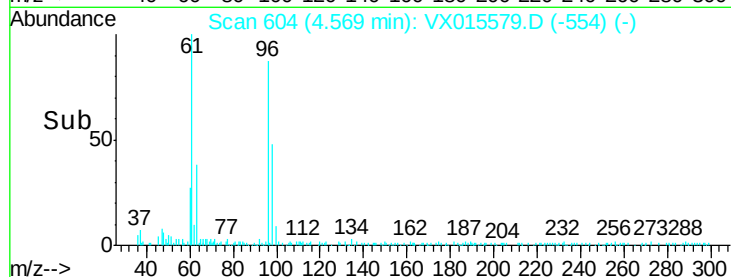
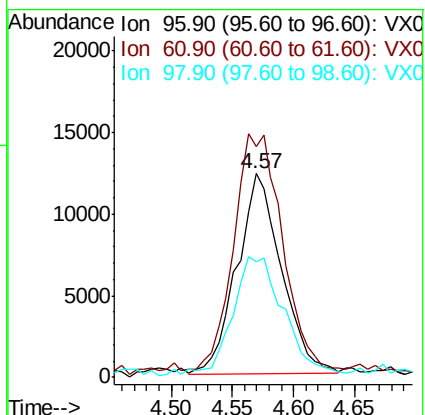
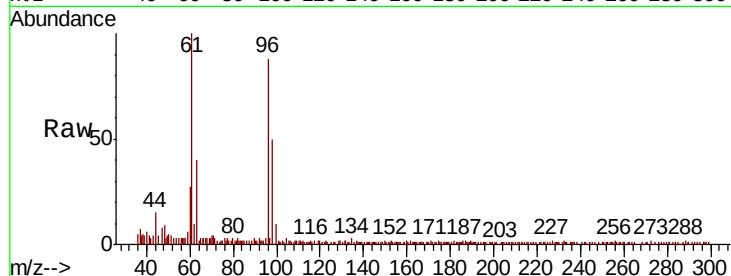
Tot Ion: 96 Resp: 30966

Ion Ratio Lower Upper

96 100

61 128.6 0.0 308.4

98 67.3 0.0 129.2



#31

Cyclohexane

Concen: 1.287 ug/l

RT: 5.63 min Scan# 778

Delta R.T. 0.08 min

Lab File: VX015579.D

Acq: 08 Apr 2020 19:03

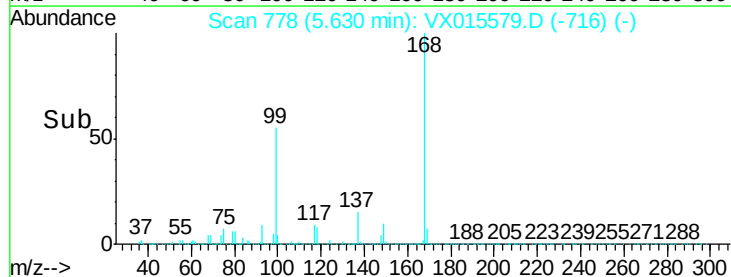
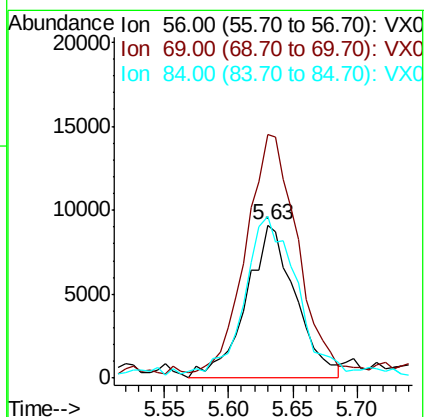
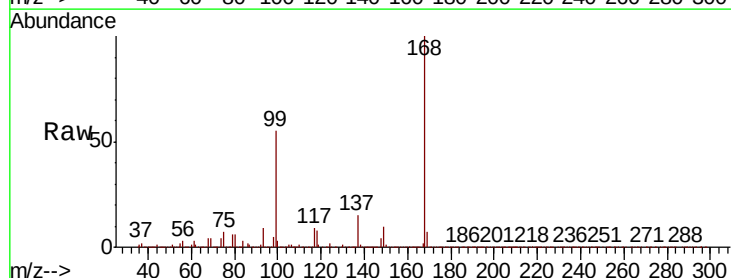
Tgt Ion: 56 Resp: 24272

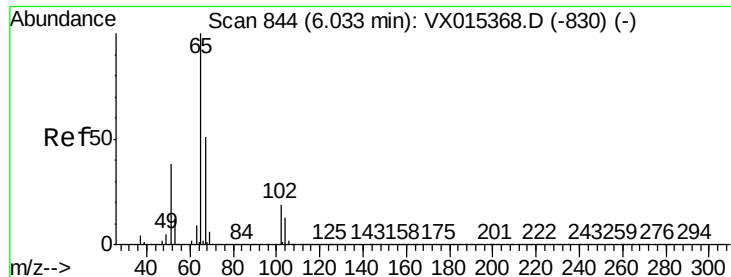
Ion Ratio Lower Upper

56 100

69 155.7 24.6 36.8#

84 101.9 66.1 99.1#

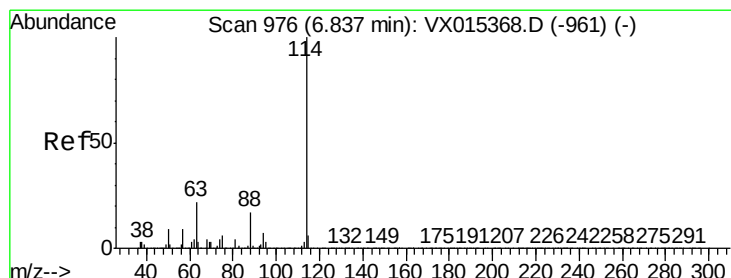
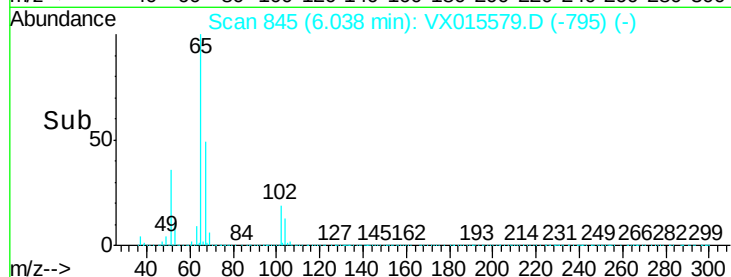
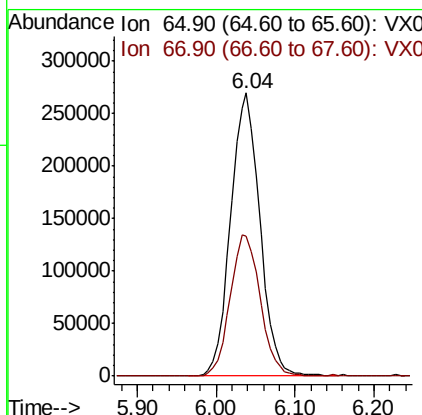
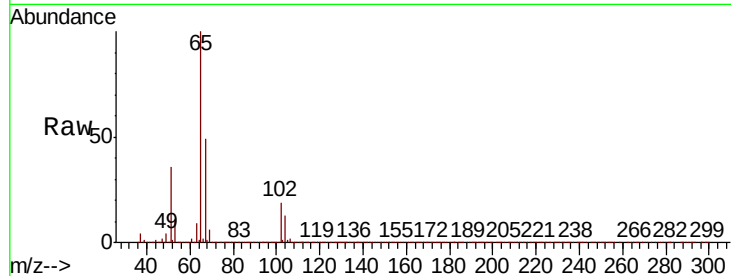




#33
 1,2-Dichloroethane-d4
 Concen: 46.615 ug/l
 RT: 6.04 min Scan# 845
 Delta R.T. 0.01 min
 Lab File: VX015579.D
 Acq: 08 Apr 2020 19:03

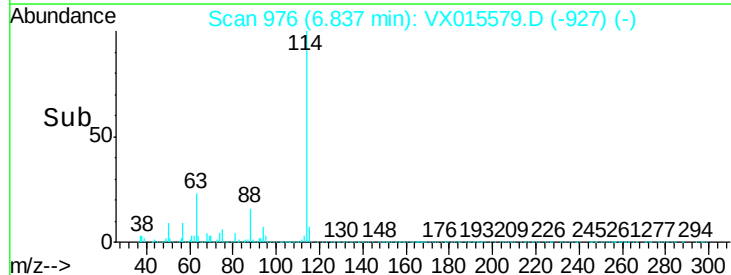
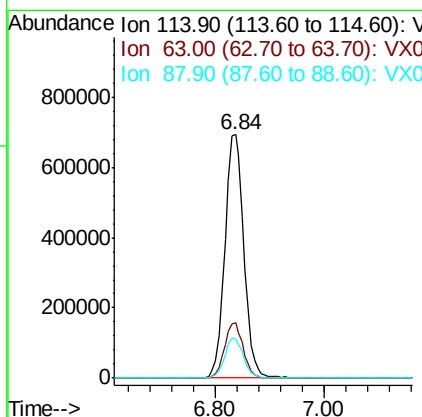
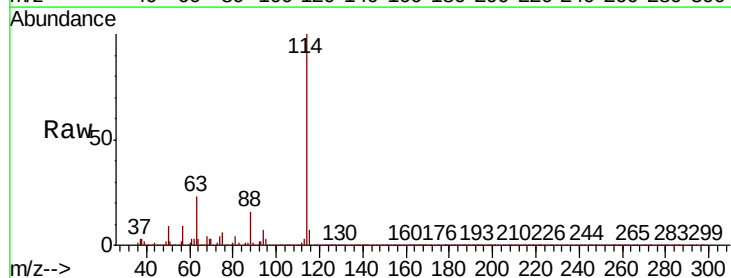
Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW145-200406

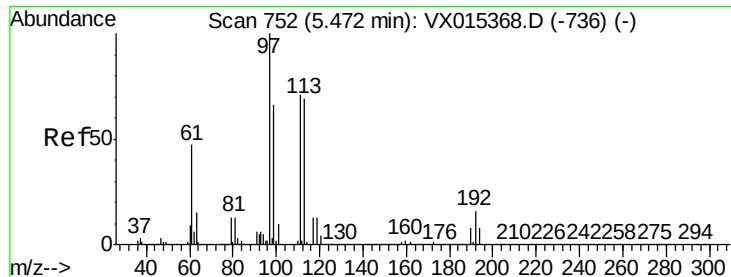
Tot Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VX015579.D
 Acq: 08 Apr 2020 19:03

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	44.2
88	16.0	0.0	33.8

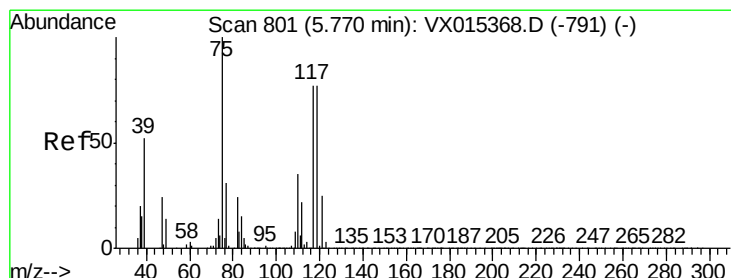
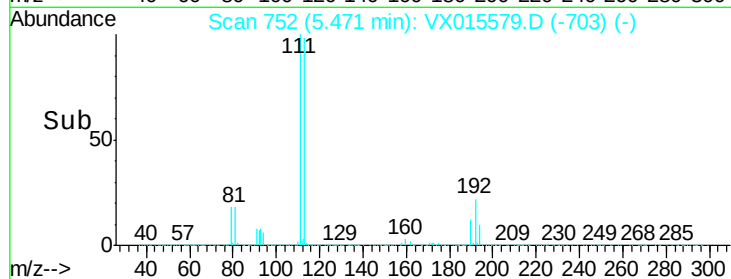
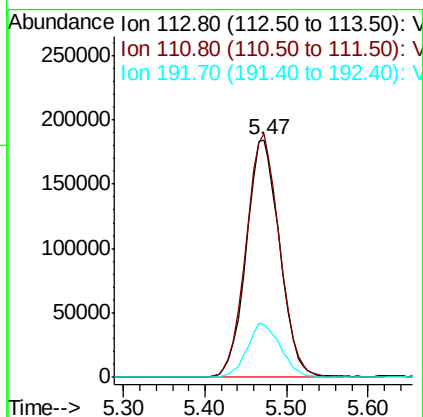
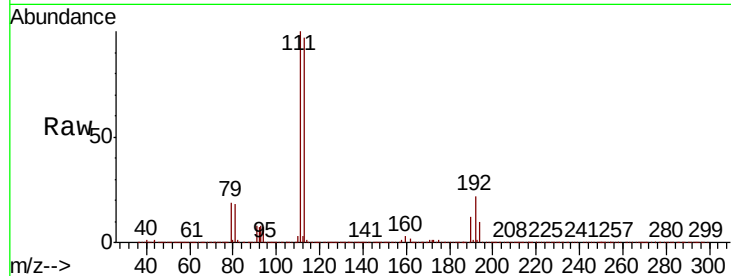




#35
Dibromofluoromethane
Concen: 49.083 ug/l
RT: 5.47 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX015579.D
Acq: 08 Apr 2020 19:03

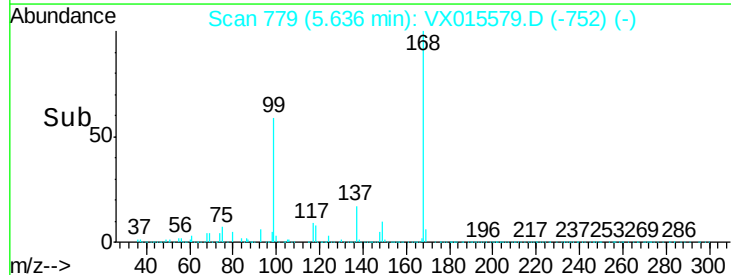
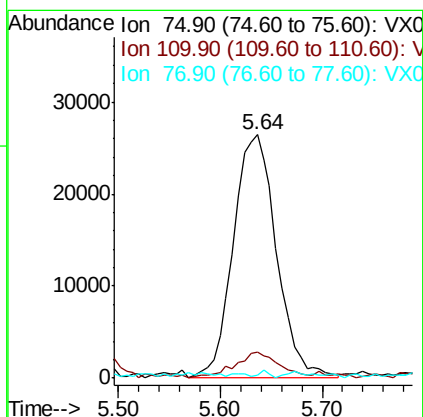
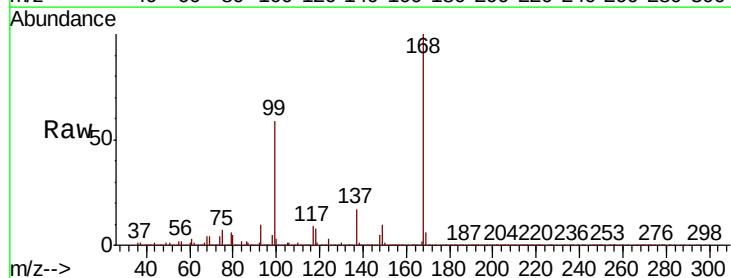
Instrument :
MSVOA_X
ClientSampleId :
KY062MW145-200406

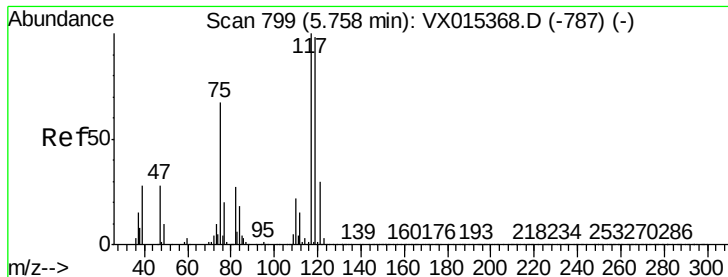
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.5	122.3
192	22.6	17.8	26.6



#36
1,1-Dichloropropene
Concen: 5.035 ug/l
RT: 5.64 min Scan# 779
Delta R.T. -0.13 min
Lab File: VX015579.D
Acq: 08 Apr 2020 19:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	17.1	51.3#
77	0.8	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.870 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.12 min

Lab File: VX015579.D

Acq: 08 Apr 2020 19:03

Instrument :

MSVOA_X

ClientSampleId :

KY062MW145-200406

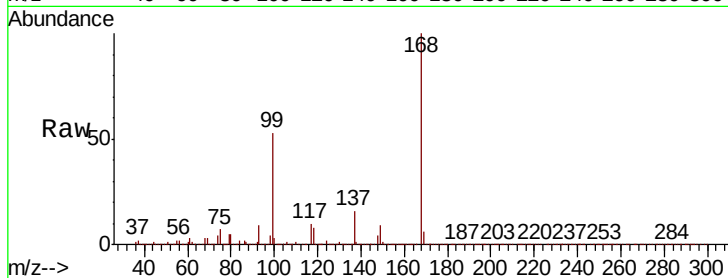
Tot Ion:117 Resp: 98261

Ion Ratio Lower Upper

117 100

119 3.6 78.0 117.0#

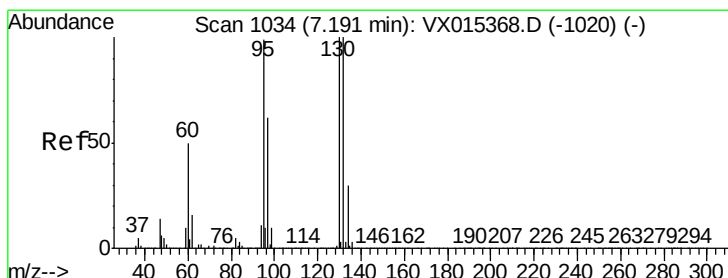
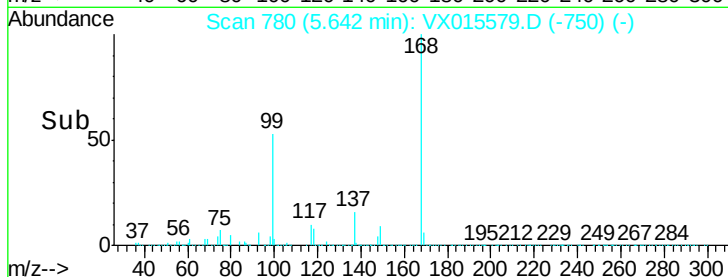
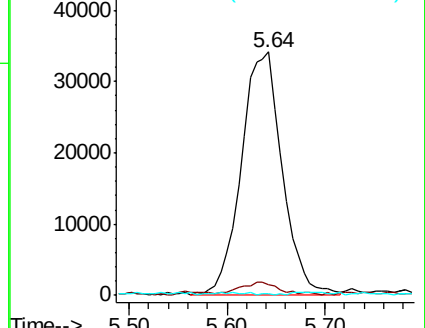
121 0.0 23.8 35.8#



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



#44

Trichloroethene

Concen: 1.581 ug/l

RT: 7.20 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX015579.D

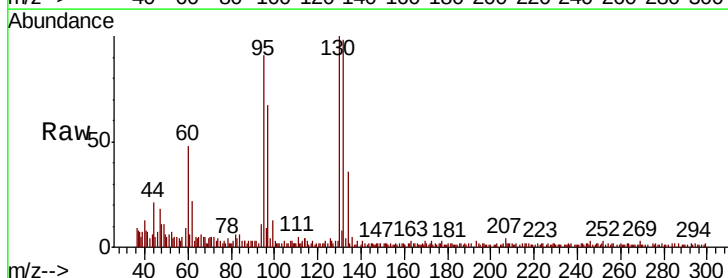
Acq: 08 Apr 2020 19:03

Tgt Ion:130 Resp: 19522

Ion Ratio Lower Upper

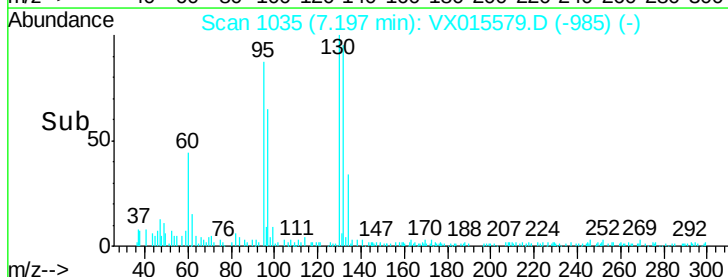
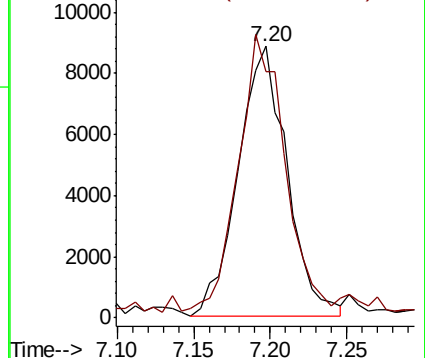
130 100

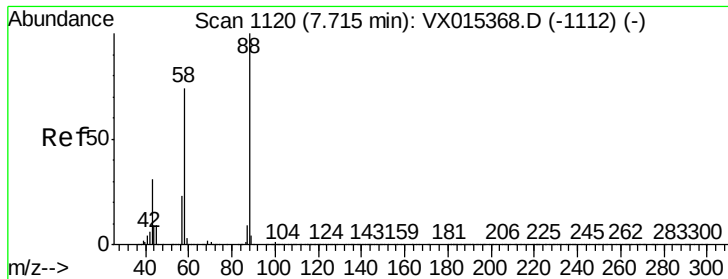
95 88.0 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 2.104 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VX015579.D

Acq: 08 Apr 2020 19:03

Instrument :

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KY062MW145-200406

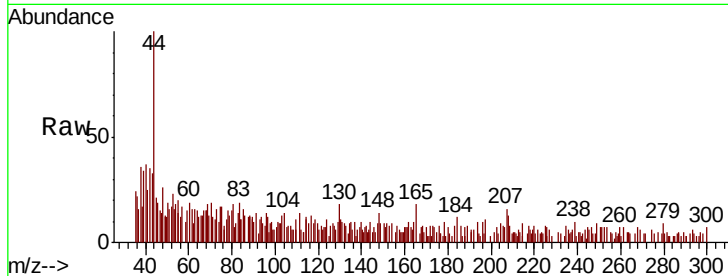
Tot Ion: 88 Resp: 666

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

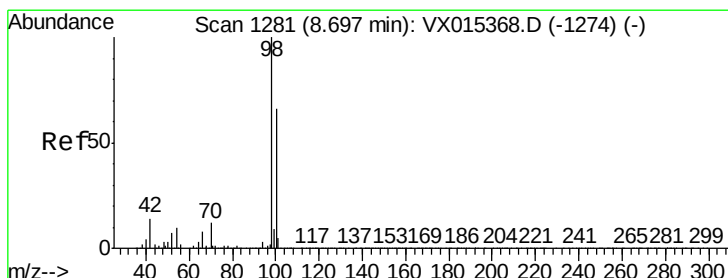
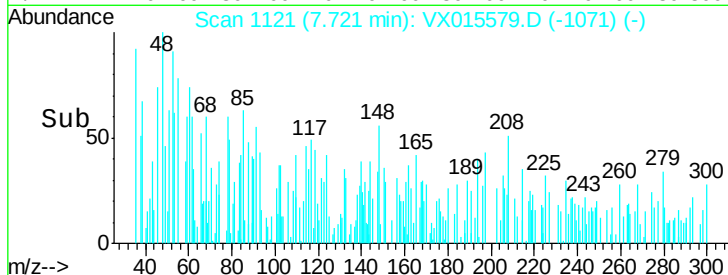
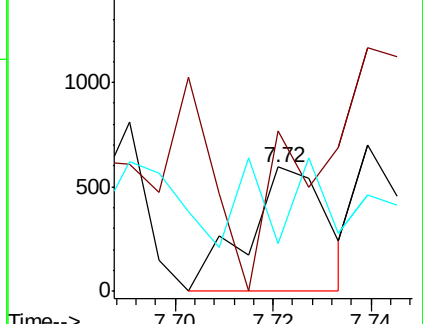
58 25.1 60.6 90.8#



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: 50.970 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015579.D

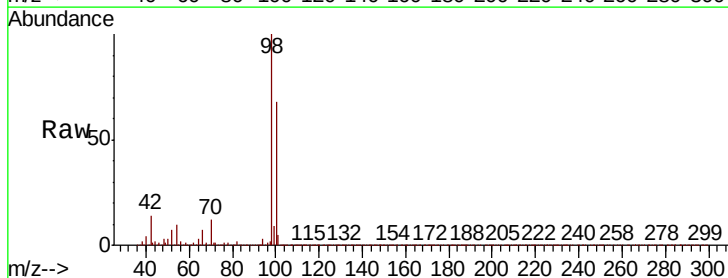
Acq: 08 Apr 2020 19:03

Tgt Ion: 98 Resp: 2012220

Ion Ratio Lower Upper

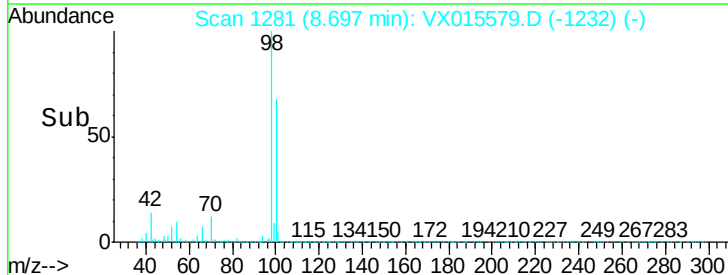
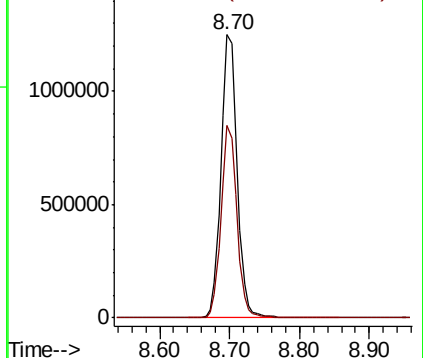
98 100

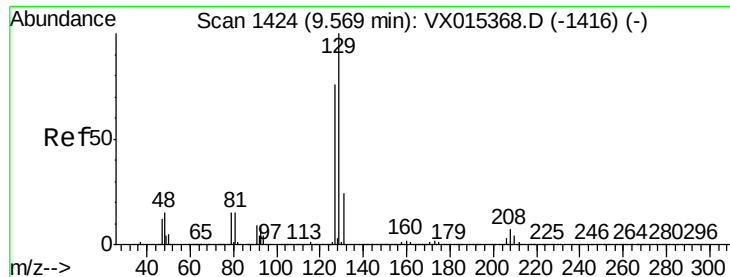
100 66.6 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

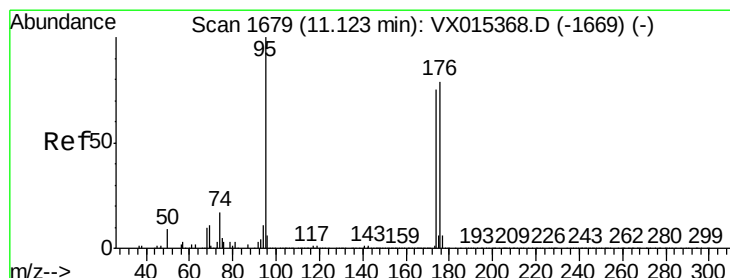
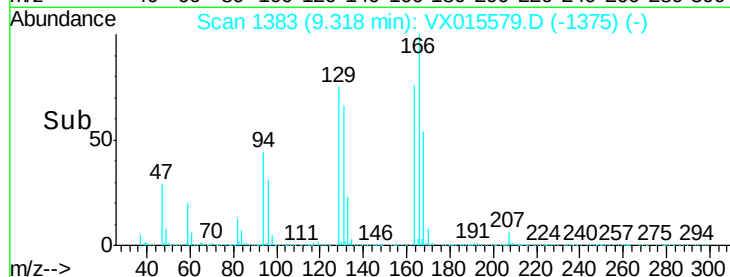
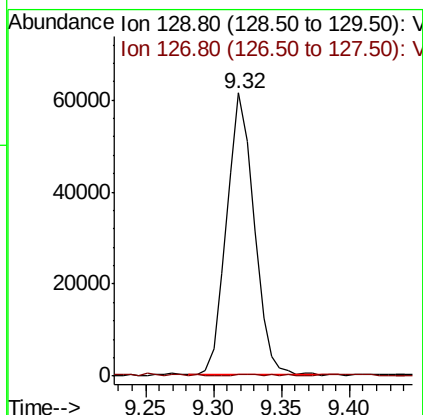
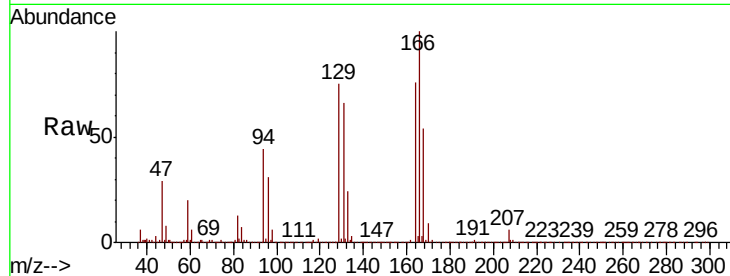




#60
 Dibromochloromethane
 Concen: 6.288 ug/l
 RT: 9.32 min Scan# 1383
 Delta R.T. -0.25 min
 Lab File: VX015579.D
 Acq: 08 Apr 2020 19:03

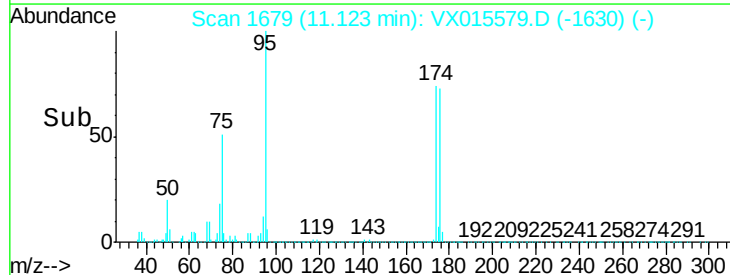
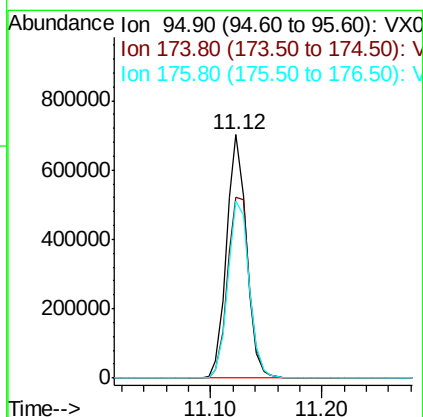
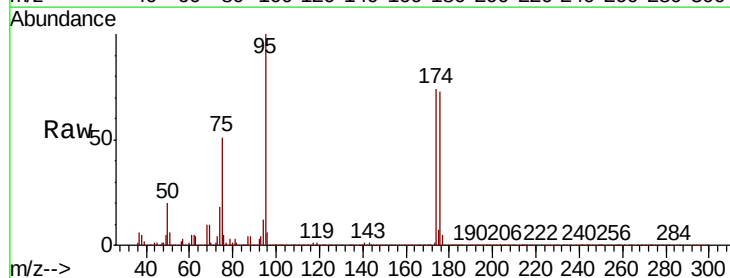
Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW145-200406

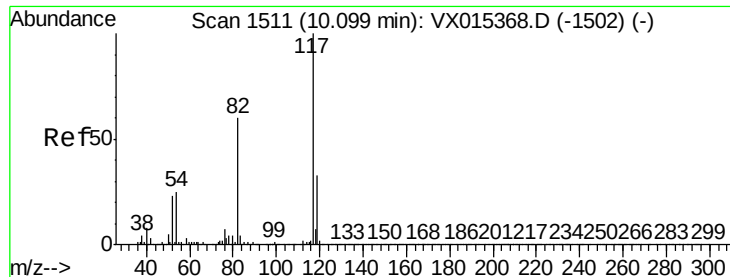
Tot Ion:129 Resp: 86404
 Ion Ratio Lower Upper
 129 100
 127 0.7 38.2 114.6#



#62
 4-Bromofluorobenzene
 Concen: 54.281 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. -0.00 min
 Lab File: VX015579.D
 Acq: 08 Apr 2020 19:03

Tgt Ion: 95 Resp: 870906
 Ion Ratio Lower Upper
 95 100
 174 81.3 0.0 158.6
 176 77.3 0.0 159.0

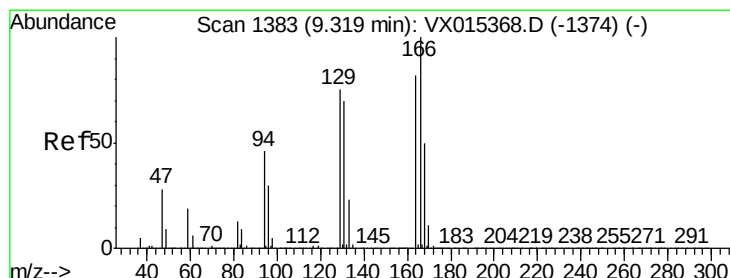
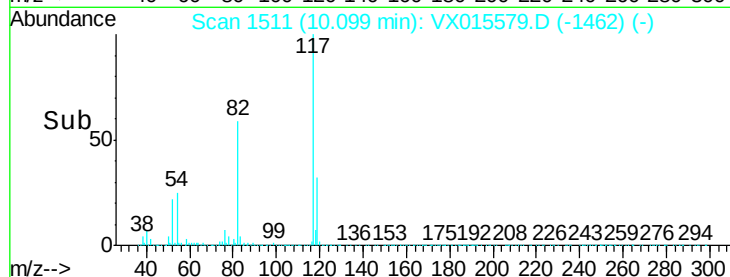
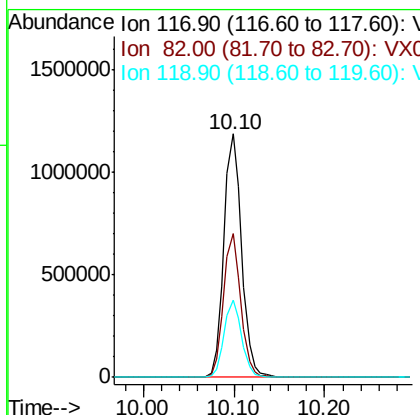
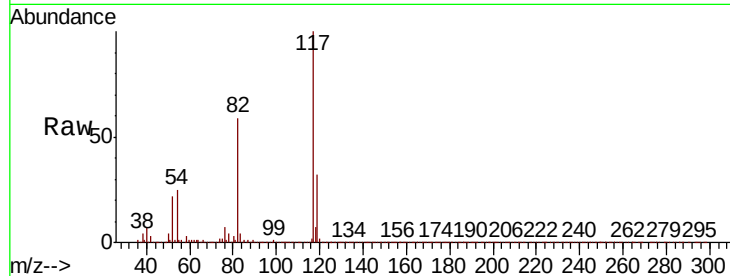




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015579.D
Acq: 08 Apr 2020 19:03

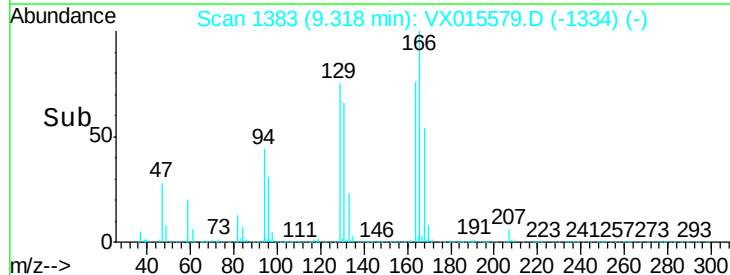
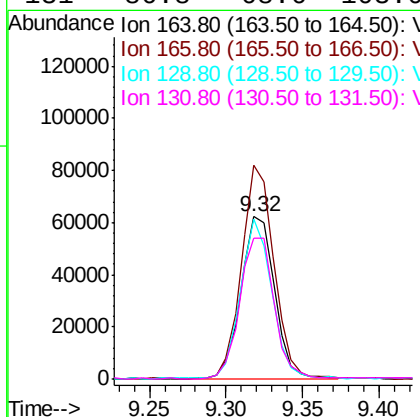
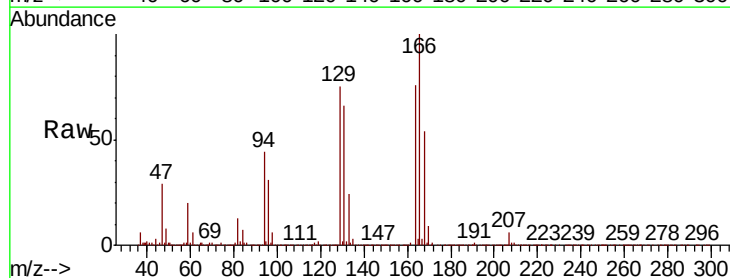
Instrument :
MSVOA_X
ClientSampleId :
KY062MW145-200406

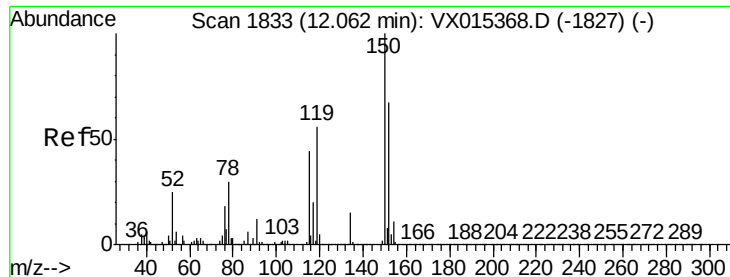
Tot Ion:117 Resp: 1619436
Ion Ratio Lower Upper
117 100
82 58.9 47.8 71.8
119 31.9 26.8 40.2



#64
Tetrachloroethene
Concen: 7.832 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX015579.D
Acq: 08 Apr 2020 19:03

Tgt Ion:164 Resp: 95718
Ion Ratio Lower Upper
164 100
166 131.6 97.8 146.6
129 98.4 73.0 109.4
131 86.8 68.6 103.0

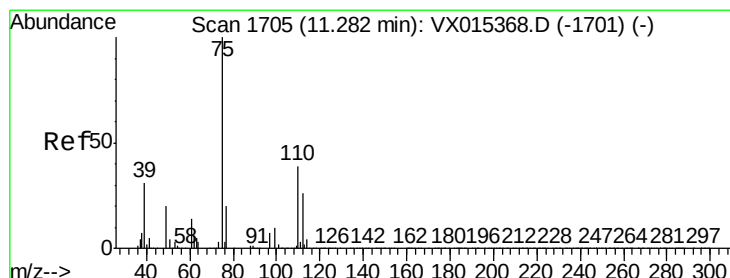
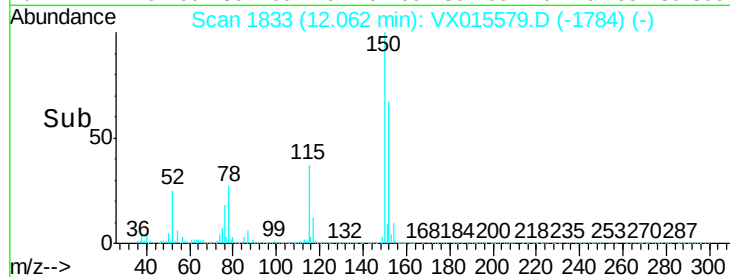
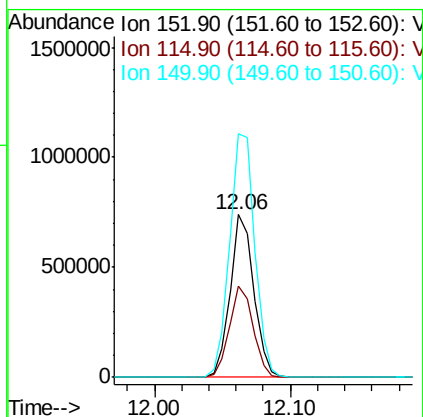
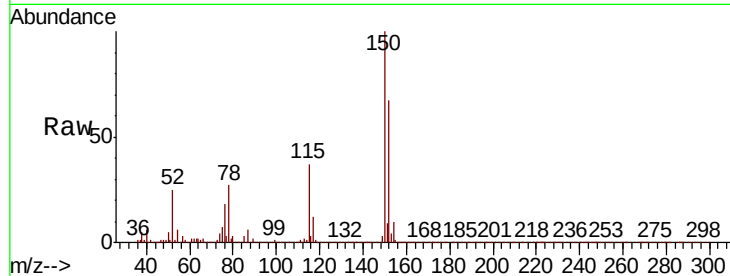




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX015579.D
 Acq: 08 Apr 2020 19:03

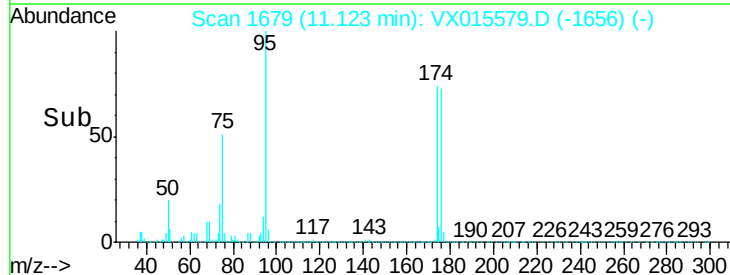
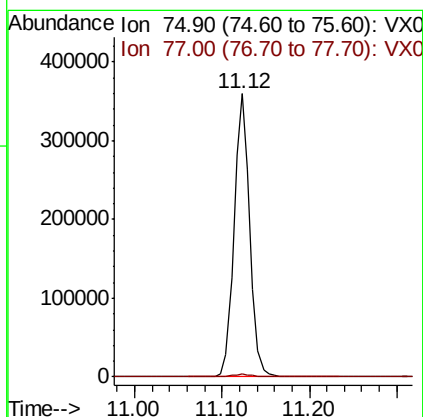
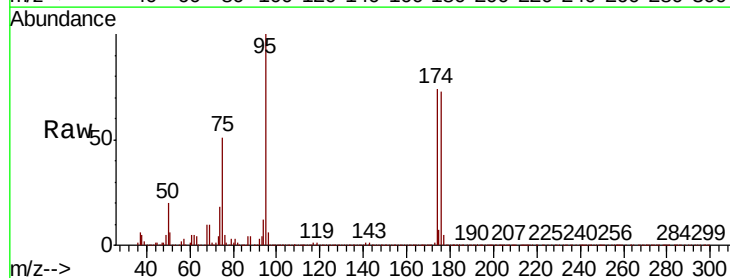
Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW145-200406

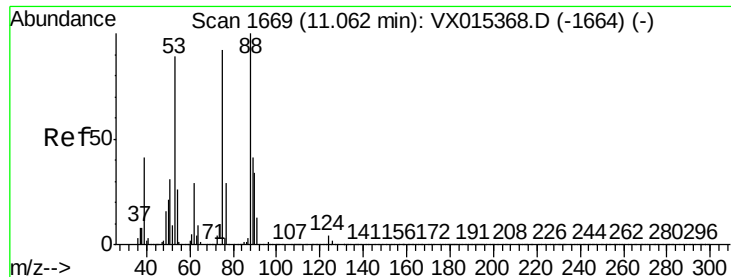
Tot Ion	Ratio	Lower	Upper
152	100		
115	56.2	39.0	116.9
150	158.7	0.0	340.8



#76
 1,2,3-Trichloropropane
 Concen: 24.466 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. -0.16 min
 Lab File: VX015579.D
 Acq: 08 Apr 2020 19:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.0	21.2	63.6





#81

trans-1,4-Dichloro-2-butene

Concen: 58.705 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015579.D

Acq: 08 Apr 2020 19:03

Instrument :

MSVOA_X

ClientSampleId :

KY062MW145-200406

Tot Ion: 75 Resp: 451102

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.0 36.1 54.1#

