

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051319\
 Data File : VX009549.D
 Acq On : 13 May 2019 17:28
 Operator : JC/SP
 Sample : K2840-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KR-04 9-19

Quant Time: May 14 03:45:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	188490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	300646	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	262473	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	114190	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	123076	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	
35) Dibromofluoromethane	5.49	113	91199	48.25	ug/l	0.00
Spiked Amount			Recovery	=	96.50%	
50) Toluene-d8	8.71	98	374687	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	
62) 4-Bromofluorobenzene	11.13	95	124647	44.96	ug/l	0.00
Spiked Amount			Recovery	=	89.92%	

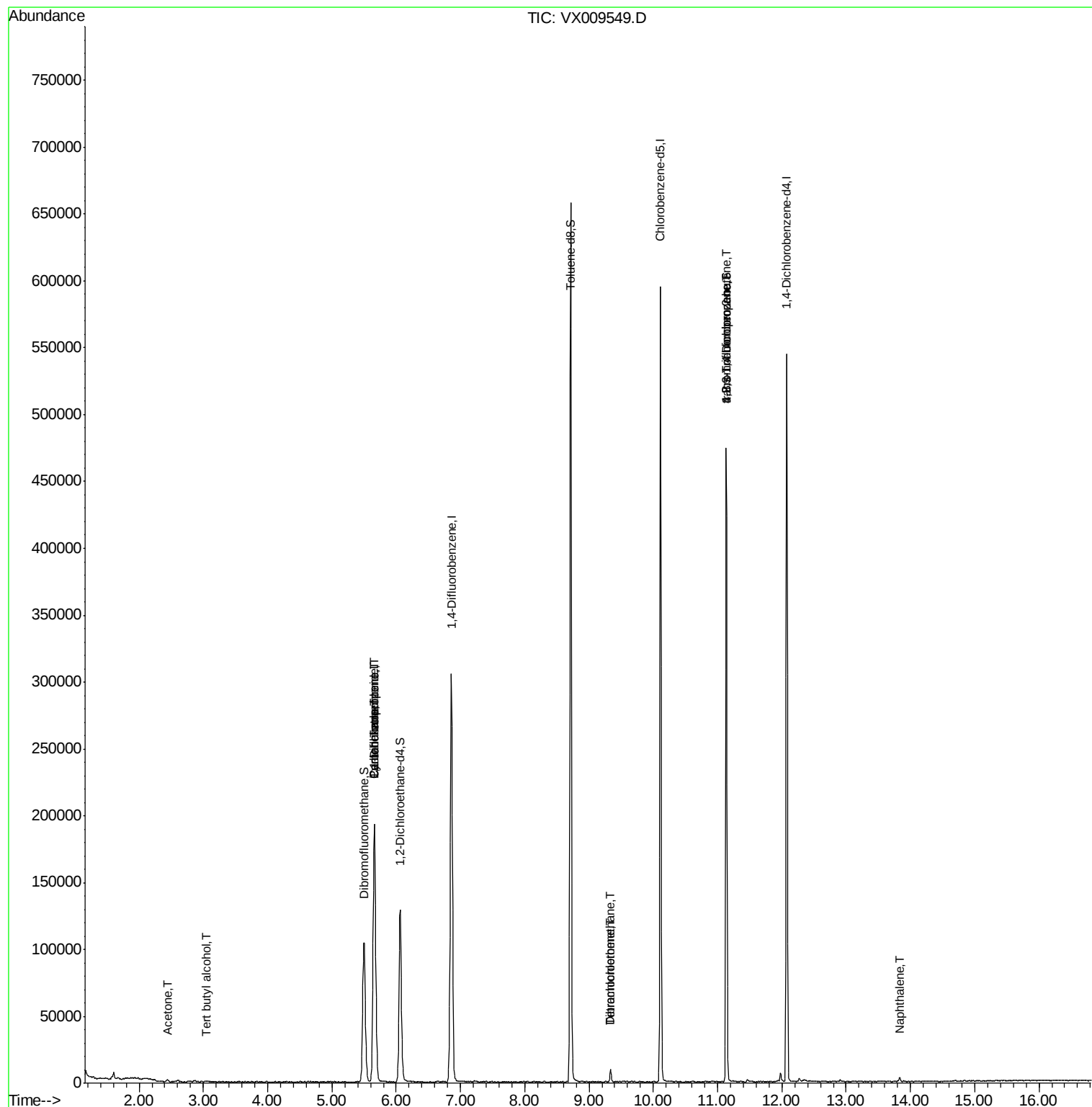
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.04	59	784	1.316	ug/l #	89
16) Acetone	2.44	43	1601	1.159	ug/l	96
28) Bromochloromethane	4.99	49	43	Below Cal	#	20
31) Cyclohexane	5.66	56	4093	1.076	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14399	5.154	ug/l #	50
38) Carbon Tetrachloride	5.66	117	17209	6.779	ug/l #	16
60) Dibromochloromethane	9.34	129	1684	0.804	ug/l #	11
64) Tetrachloroethene	9.34	164	1910	1.061	ug/l #	82
76) 1,2,3-Trichloropropane	11.13	75	63602	24.012	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	63602	61.437	ug/l #	10
95) Naphthalene	13.83	128	1737	0.209	ug/l #	95

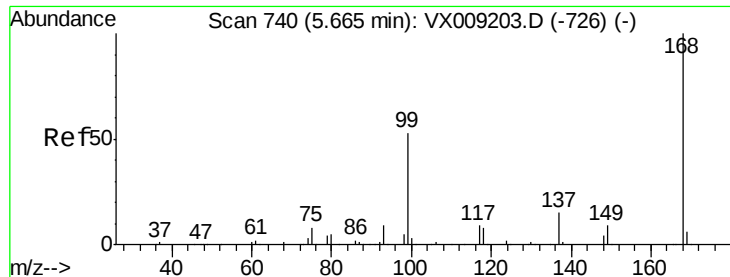
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051319\
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ClientSampleId :
KR-04_9-19

Quant Time: May 14 03:45:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009549.D

Acq: 13 May 2019 17:28

Instrument :

MSVOA_X

ClientSampleId :

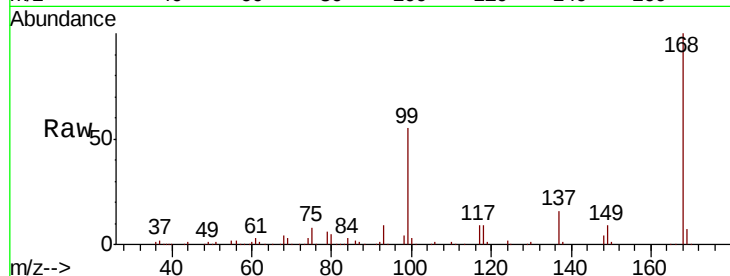
KR-04_9-19

Tot Ion:168 Resp: 188490

Ion Ratio Lower Upper

168 100

99 55.1 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VX009203.D (-726) (-)

Ion 98.90 (98.60 to 99.60): VX009203.D (-726) (-)

5.66

60000

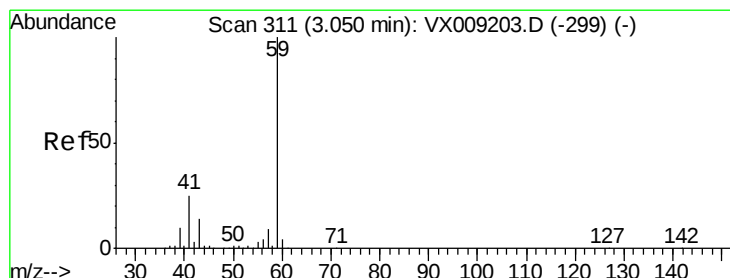
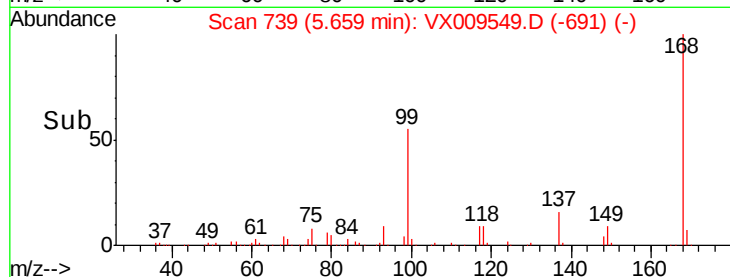
40000

20000

0

Time-->

5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 1.316 ug/l

RT: 3.04 min Scan# 310

Delta R.T. -0.01 min

Lab File: VX009549.D

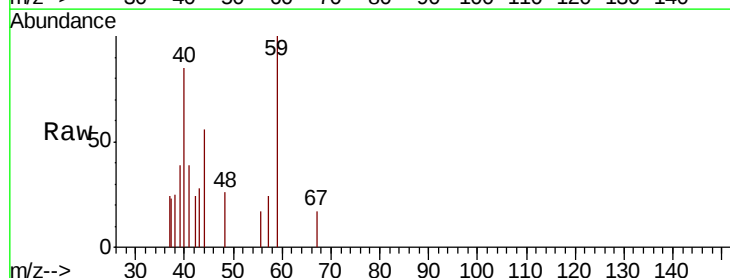
Acq: 13 May 2019 17:28

Tgt Ion: 59 Resp: 784

Ion Ratio Lower Upper

59 100

57 6.3 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX009203.D (-299) (-)

Ion 57.00 (56.70 to 57.70): VX009203.D (-299) (-)

3.04

300

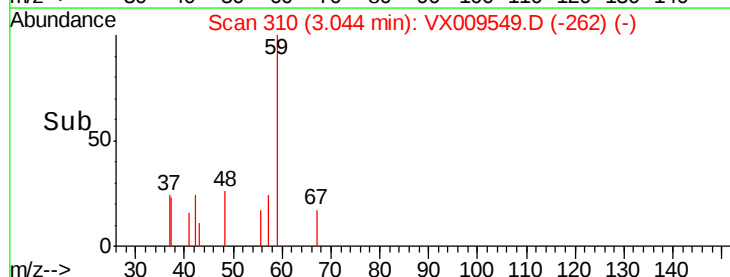
200

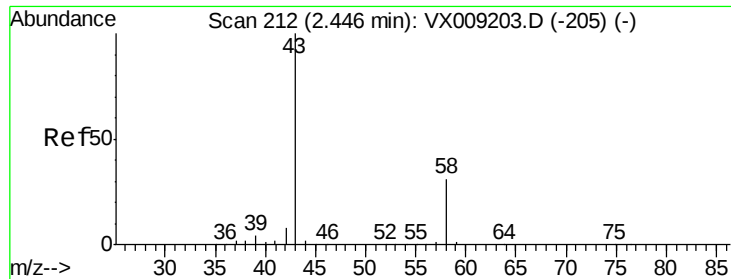
100

0

Time-->

2.95 3.00 3.05 3.10





#16

Acetone

Concen: 1.159 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009549.D

Acq: 13 May 2019 17:28

Instrument :

MSVOA_X

ClientSampleId :

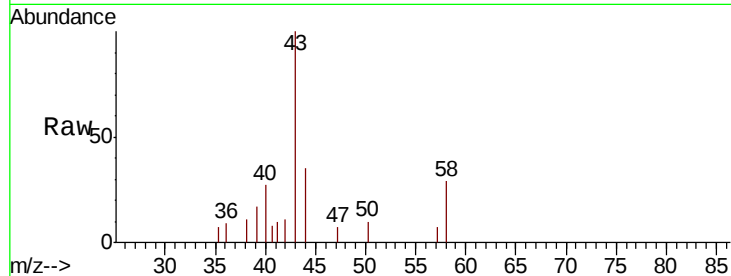
KR-04_9-19

Tot Ion: 43 Resp: 1601

Ion Ratio Lower Upper

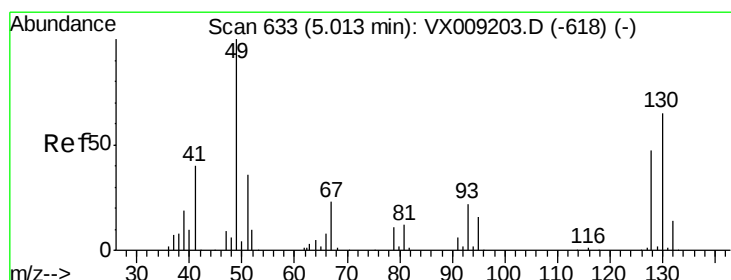
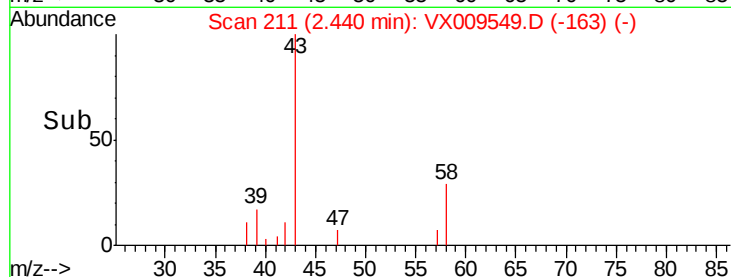
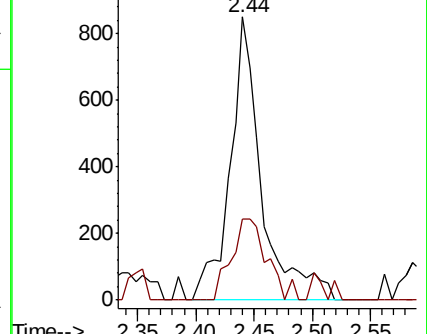
43 100

58 28.7 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 4.99 min Scan# 630

Delta R.T. -0.02 min

Lab File: VX009549.D

Acq: 13 May 2019 17:28

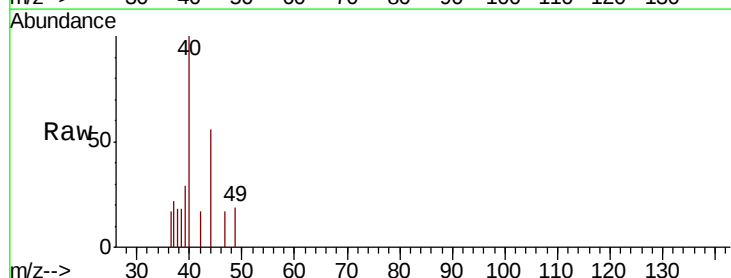
Tgt Ion: 49 Resp: 43

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

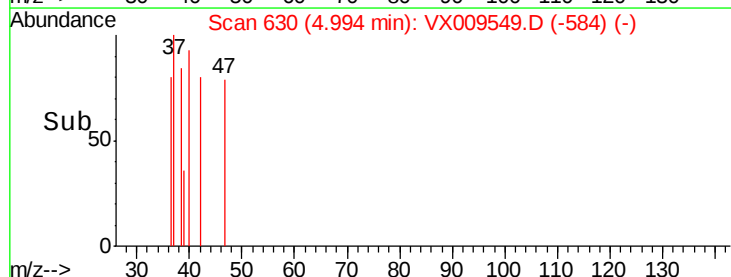
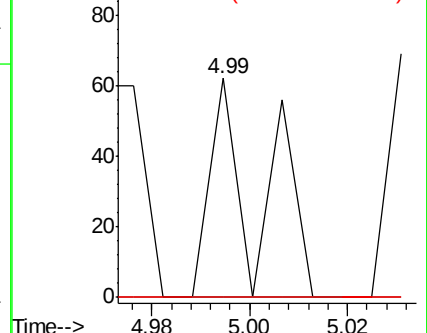
130 0.0 51.2 76.8#

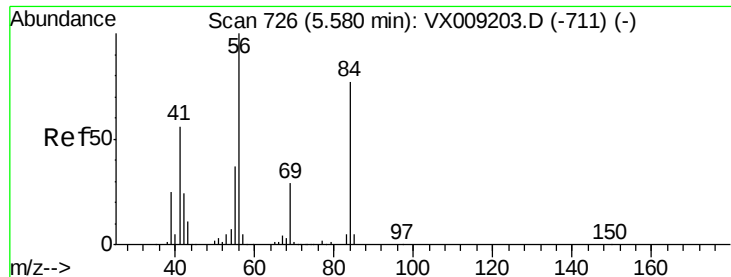


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

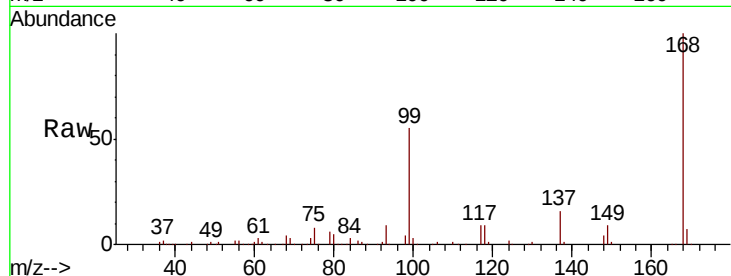




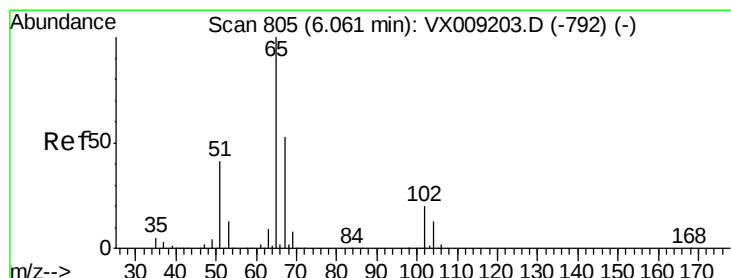
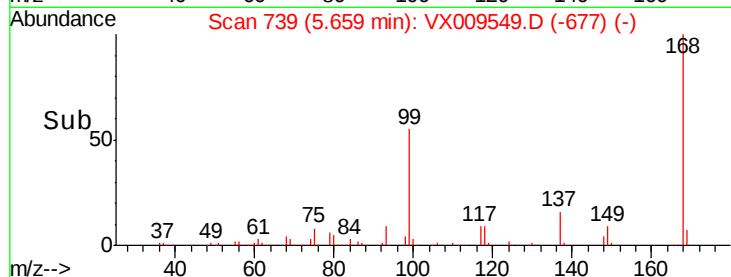
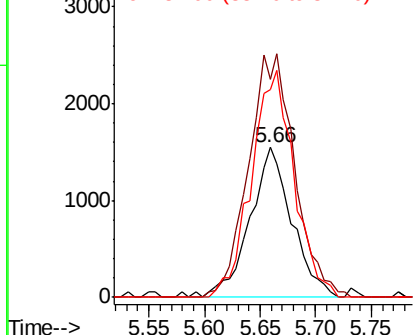
#31
Cyclohexane
Concen: 1.076 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009549.D
Acq: 13 May 2019 17:28

Instrument :
MSVOA_X
ClientSampleId :
KR-04_9-19

Tot Ion: 56 Resp: 4093
Ion Ratio Lower Upper
56 100
69 145.6 23.4 35.0#
84 138.3 61.9 92.9#

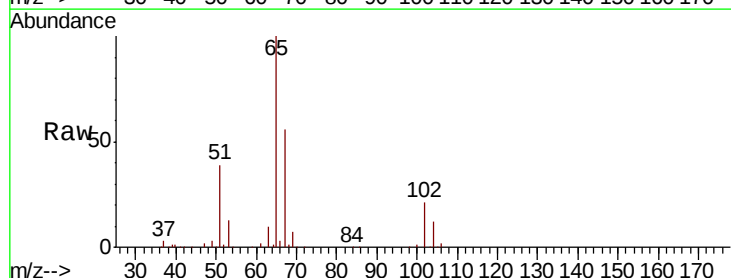


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

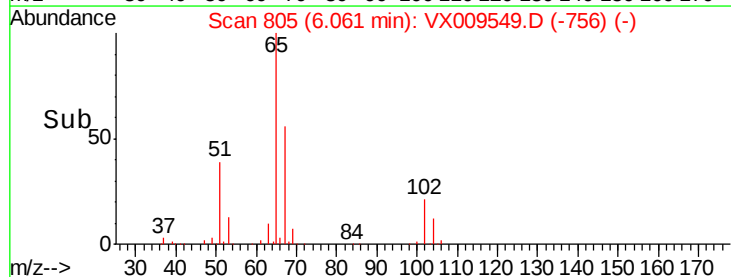
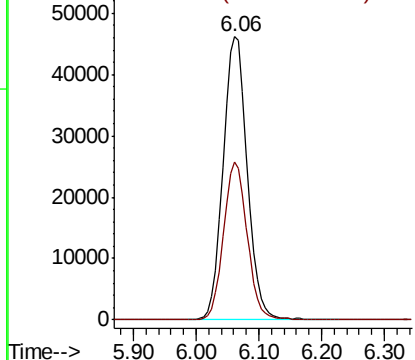


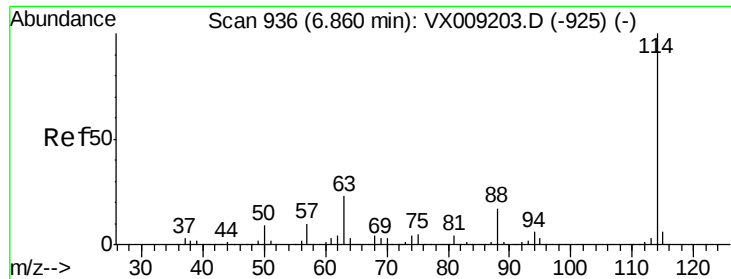
#33
1,2-Dichloroethane-d4
Concen: 47.832 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX009549.D
Acq: 13 May 2019 17:28

Tgt Ion: 65 Resp: 123076
Ion Ratio Lower Upper
65 100
67 54.6 0.0 106.6



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

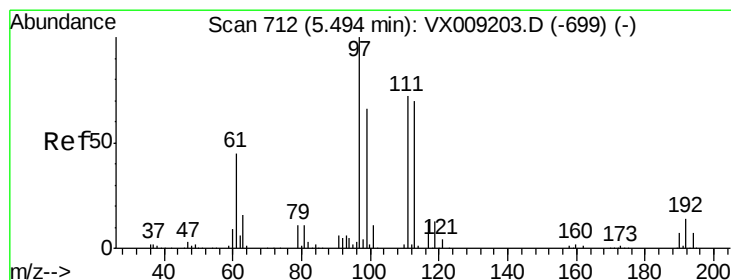
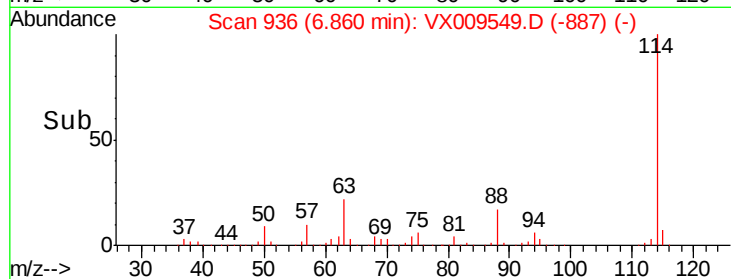
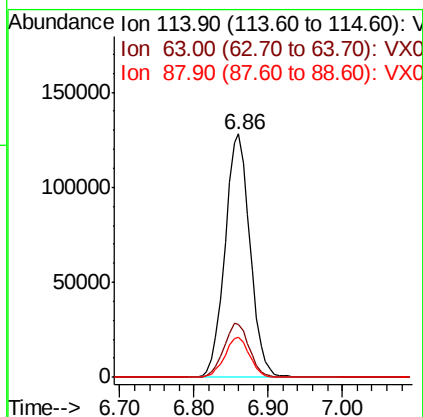
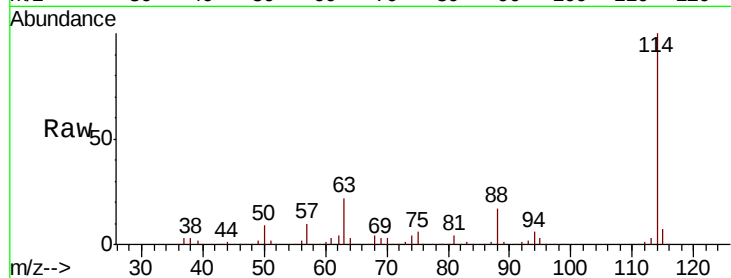




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009549.D
 Acq: 13 May 2019 17:28

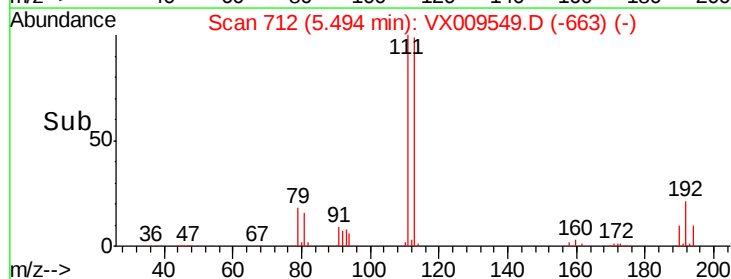
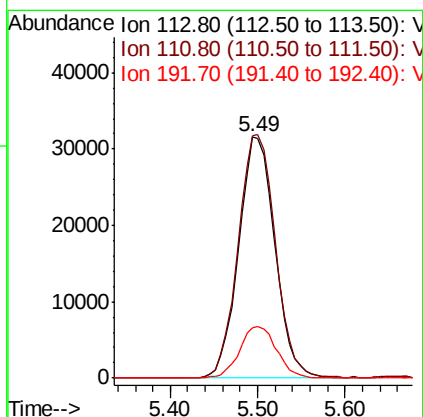
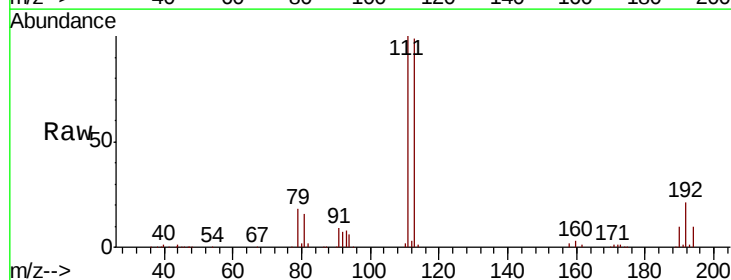
Instrument :
 MSVOA_X
 ClientSampleId :
 KR-04_9-19

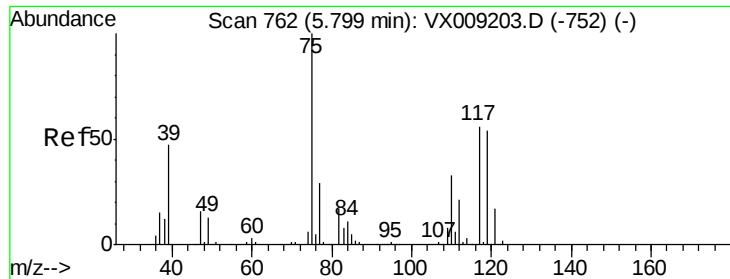
Tot Ion:114 Resp: 300646
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 45.6
 88 16.7 0.0 33.2



#35
 Dibromofluoromethane
 Concen: 48.254 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX009549.D
 Acq: 13 May 2019 17:28

Tgt Ion:113 Resp: 91199
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.8 124.2
 192 21.8 17.0 25.6

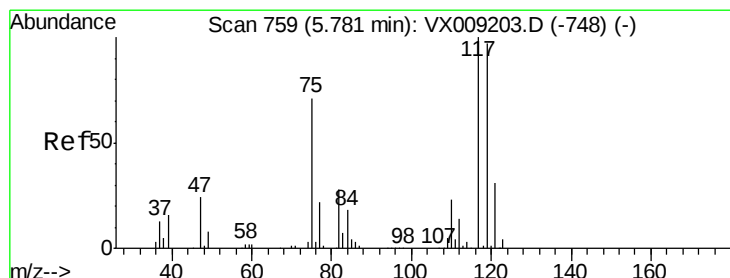
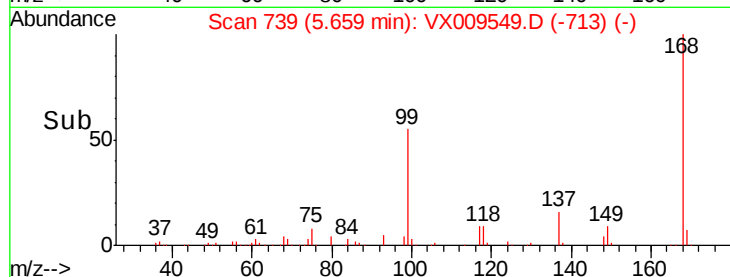
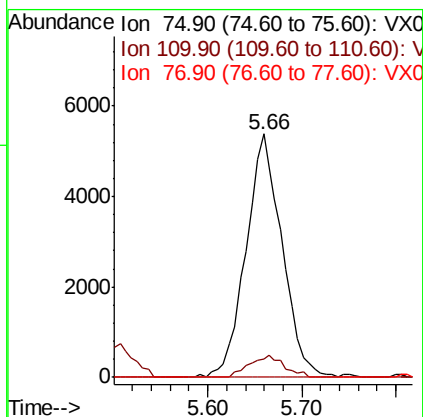
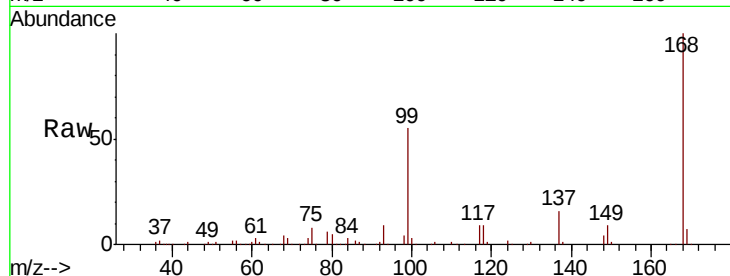




#36
 1,1-Dichloropropene
 Concen: 5.154 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009549.D
 Acq: 13 May 2019 17:28

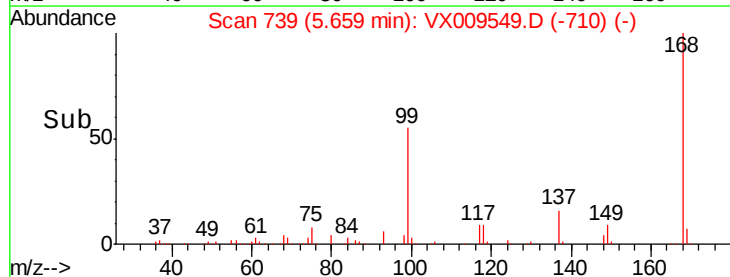
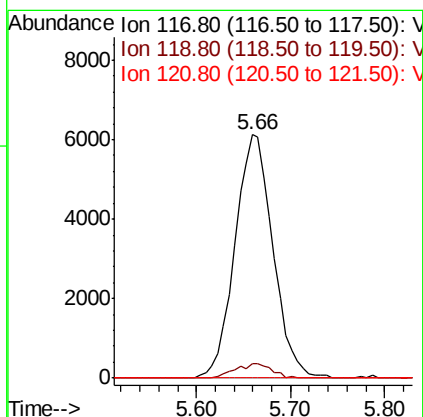
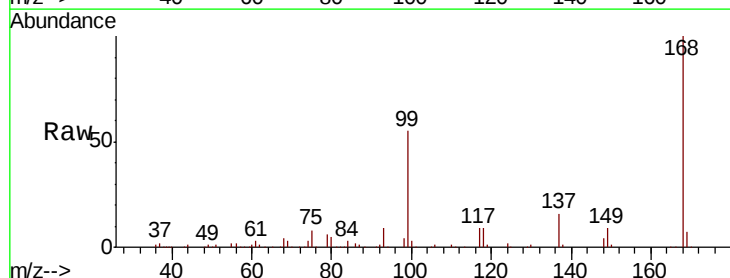
Instrument :
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 ClientSampleId :
 KR-04_9-19

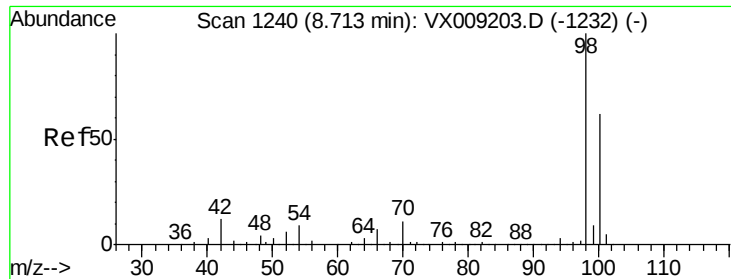
Tot Ion: 75 Resp: 14399
 Ion Ratio Lower Upper
 75 100
 110 8.6 16.9 50.6#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.779 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009549.D
 Acq: 13 May 2019 17:28

Tgt Ion: 117 Resp: 17209
 Ion Ratio Lower Upper
 117 100
 119 6.1 77.5 116.3#
 121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 49.105 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009549.D

Acq: 13 May 2019 17:28

Instrument :

MSVOA_X

ClientSampled :

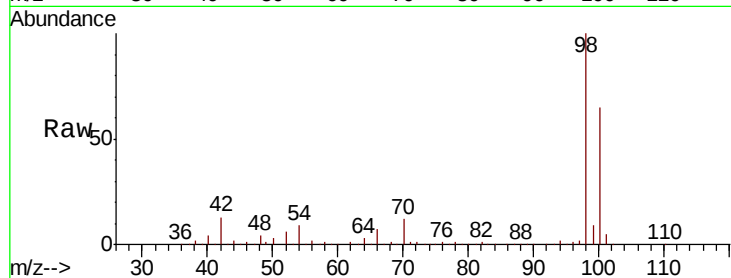
KR-04 9-19

Tot Ion: 98 Resp: 374687

Ion Ratio Lower Upper

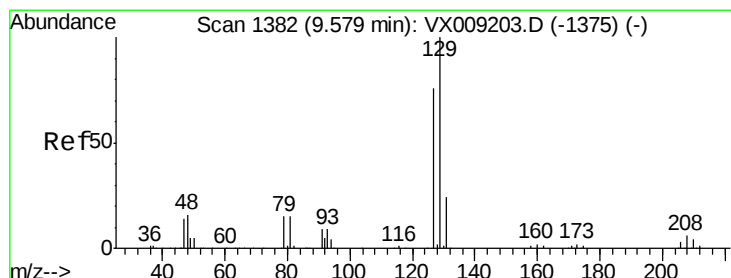
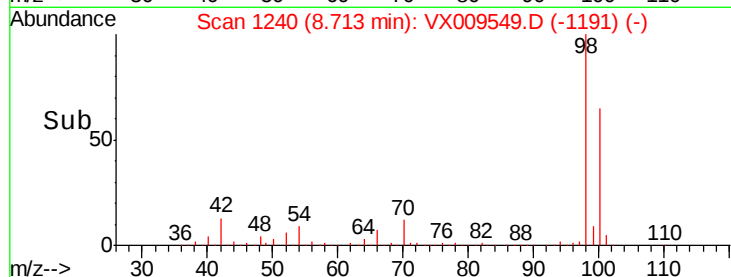
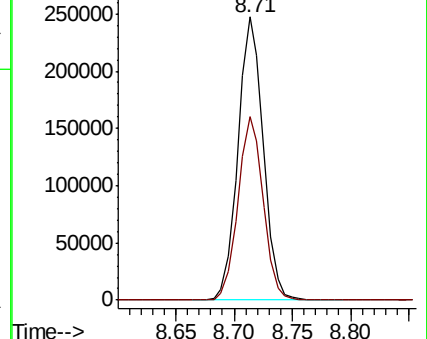
98 100

100 64.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#60

Dibromochloromethane

Concen: 0.804 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX009549.D

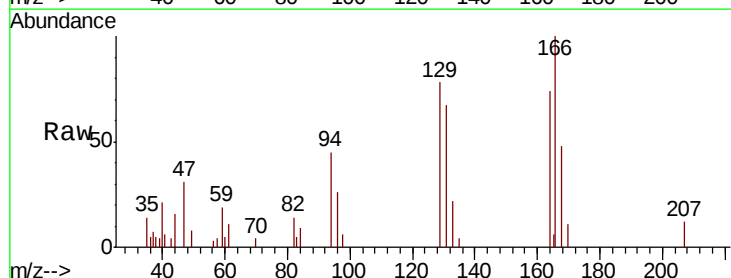
Acq: 13 May 2019 17:28

Tgt Ion: 129 Resp: 1684

Ion Ratio Lower Upper

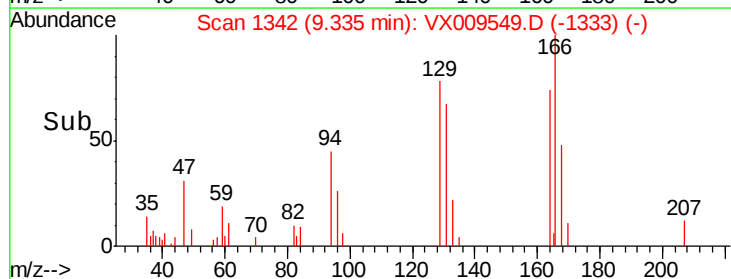
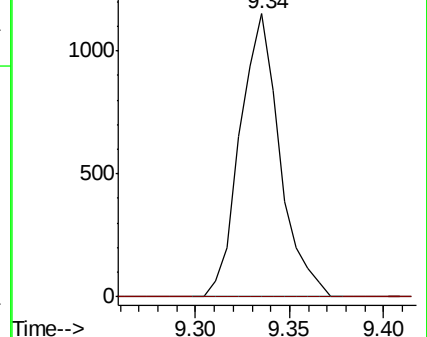
129 100

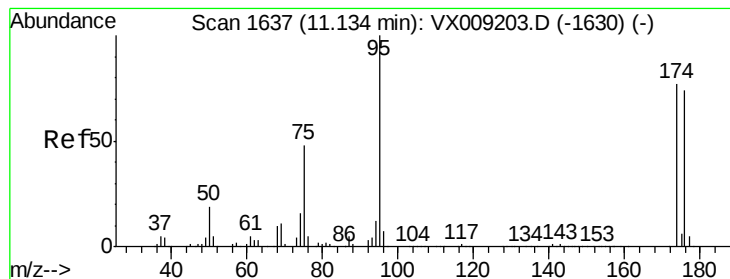
127 0.0 38.4 115.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 44.957 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009549.D

Acq: 13 May 2019 17:28

Instrument :

MSVOA_X

ClientSampleId :

KR-04_9-19

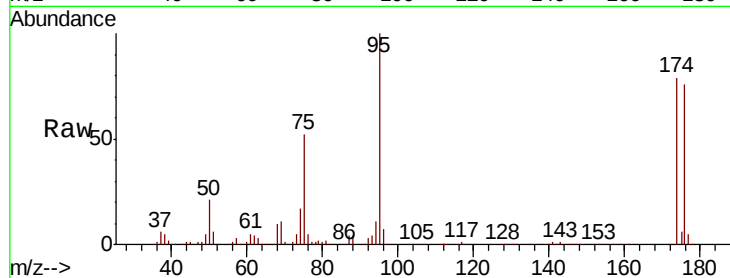
Tot Ion: 95 Resp: 124647

Ion Ratio Lower Upper

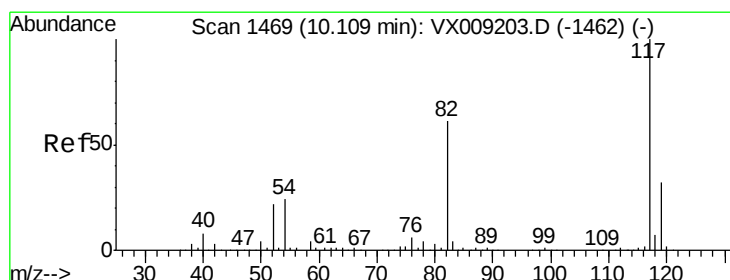
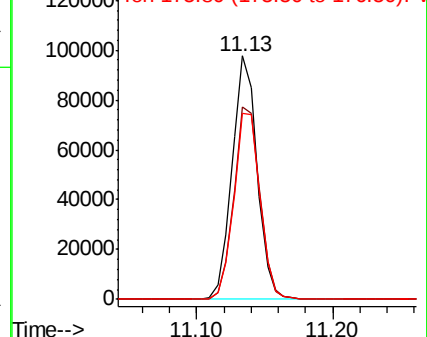
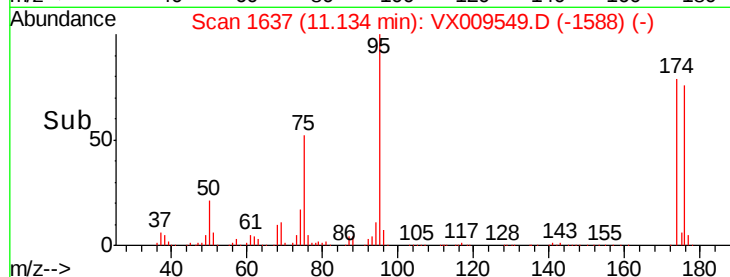
95 100

174 82.3 0.0 161.6

176 80.4 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009549.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009549.D

Acq: 13 May 2019 17:28

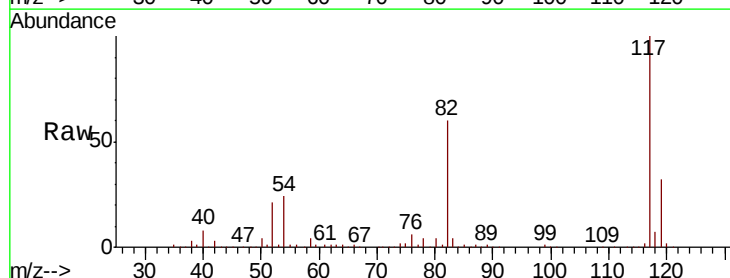
Tgt Ion: 117 Resp: 262473

Ion Ratio Lower Upper

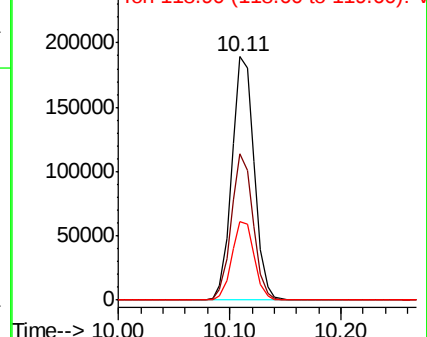
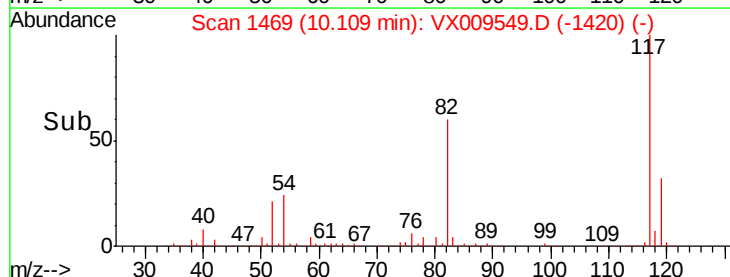
117 100

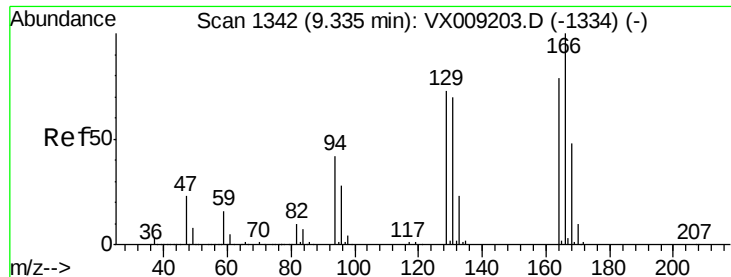
82 60.2 48.8 73.2

119 32.4 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VX009549.D (-1420) (-)

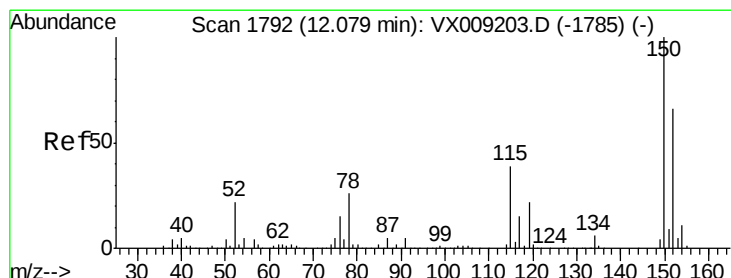
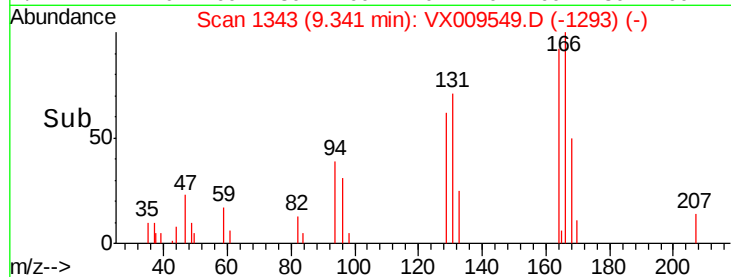
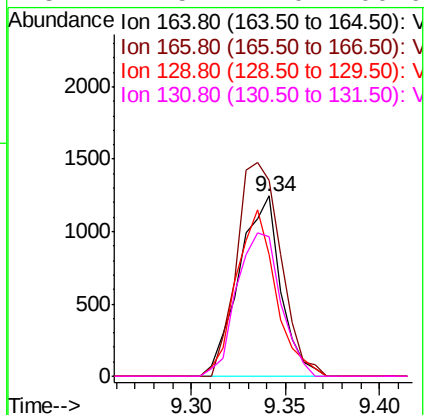
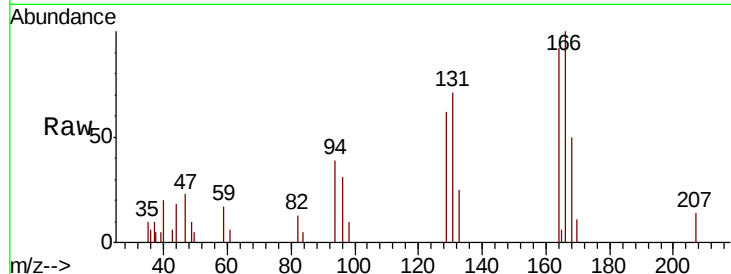




#64
Tetrachloroethene
Concen: 1.061 ug/l
RT: 9.34 min Scan# 1343
Delta R.T. 0.01 min
Lab File: VX009549.D
Acq: 13 May 2019 17:28

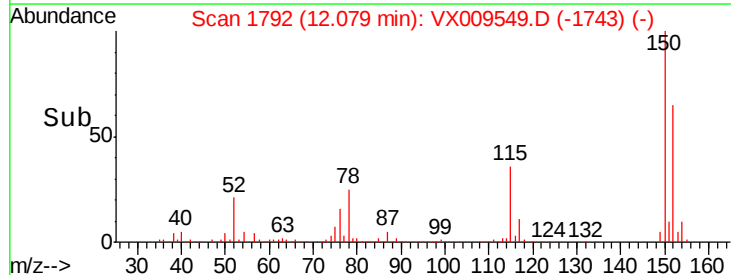
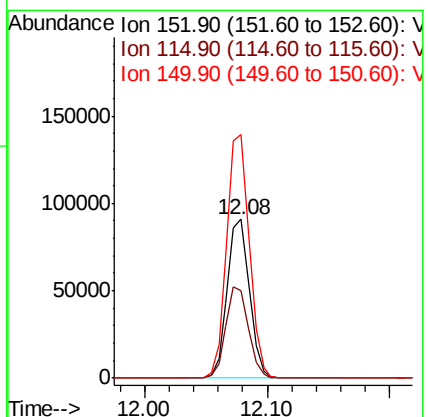
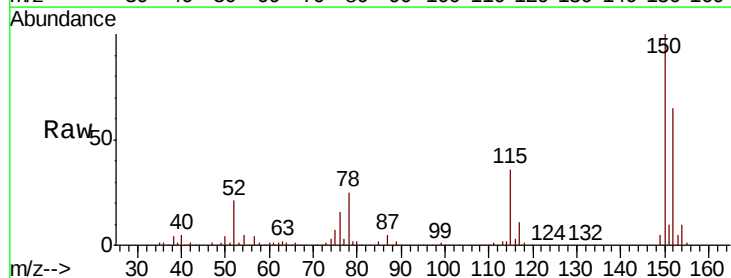
Instrument :
MSVOA_X
ClientSampleId :
KR-04_9-19

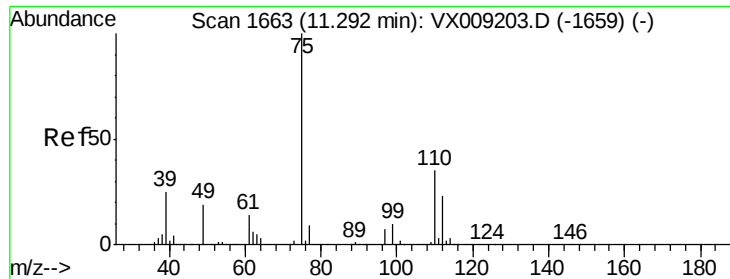
Tot Ion:	164	Resp:	1910
Ion	Ratio	Lower	Upper
164	100		
166	108.8	101.2	151.8
129	67.5	74.3	111.5#
131	77.5	71.0	106.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009549.D
Acq: 13 May 2019 17:28

Tgt Ion:	152	Resp:	114190
Ion	Ratio	Lower	Upper
152	100		
115	58.1	41.2	123.6
150	156.3	0.0	346.4

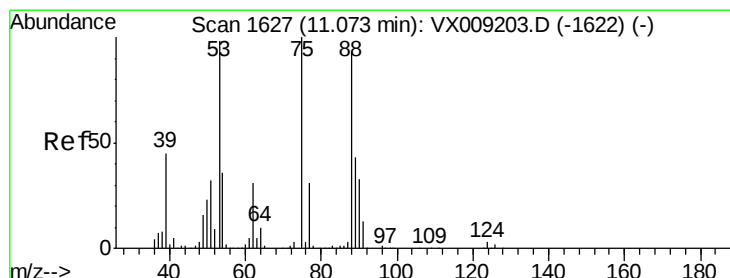
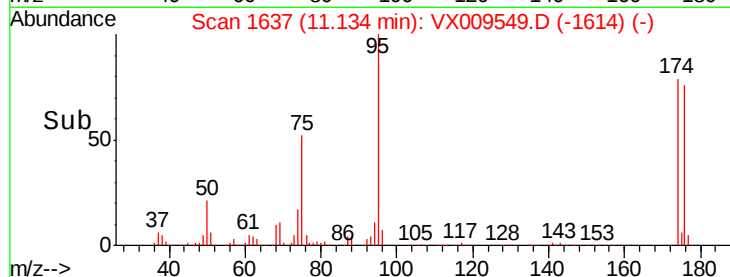
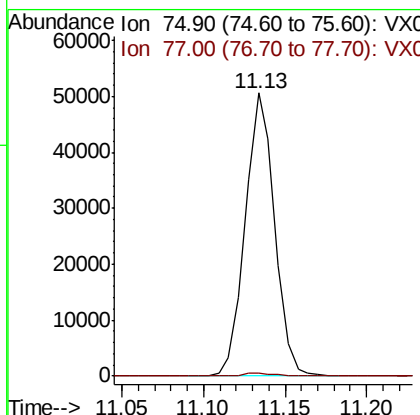
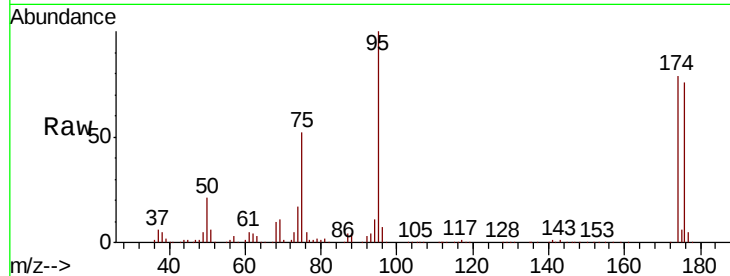




#76
 1,2,3-Trichloropropane
 Concen: 24.012 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009549.D
 Acq: 13 May 2019 17:28

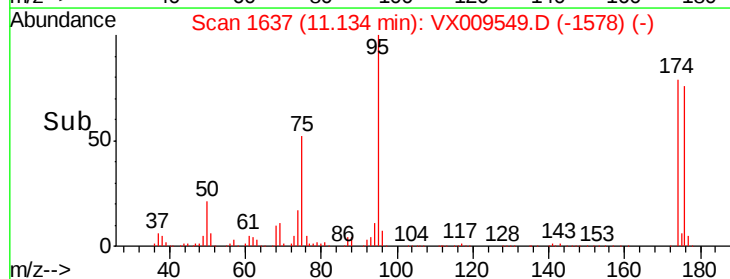
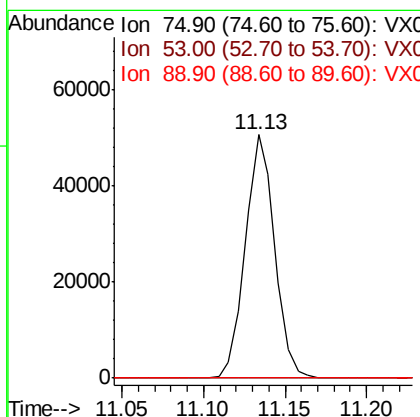
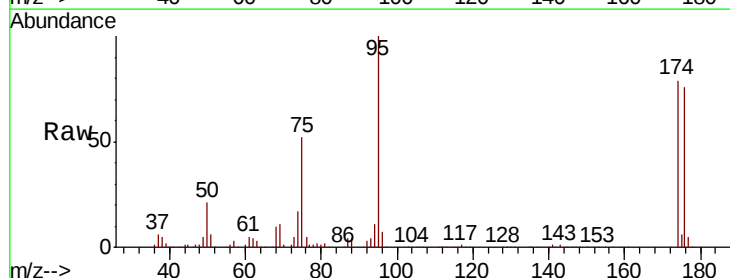
Instrument :
 MSVOA_X
 ClientSampled :
 KR-04 9-19

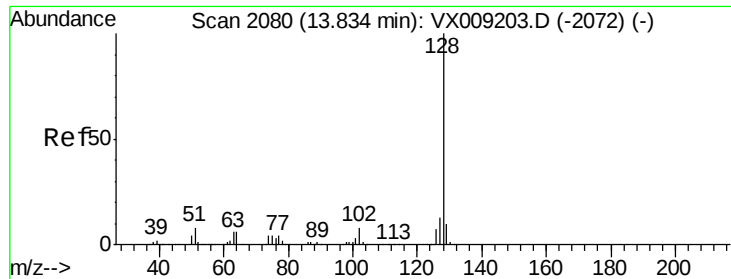
Tot Ion: 75 Resp: 63602
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.437 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009549.D
 Acq: 13 May 2019 17:28

Tgt Ion: 75 Resp: 63602
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.0 118.6#
 89 0.0 34.7 52.1#

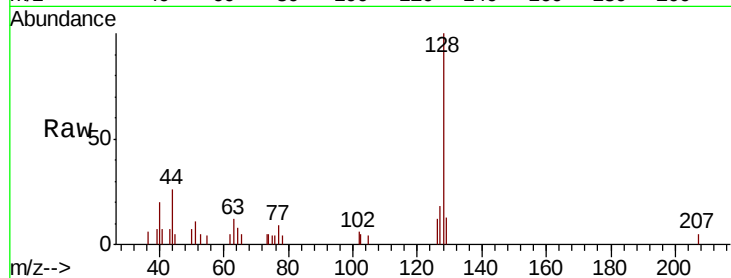




#95
Naphthalene
Concen: 0.209 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009549.D
Acq: 13 May 2019 17:28

Instrument :
MSVOA_X
ClientSampleId :
KR-04_9-19

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.7	10.4	15.6#
129	10.8	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

