

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021519\
 Data File : VX007545.D
 Acq On : 14 Feb 2019 15:02
 Operator : JC/SP
 Sample : K1458-07DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 15 02:43:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

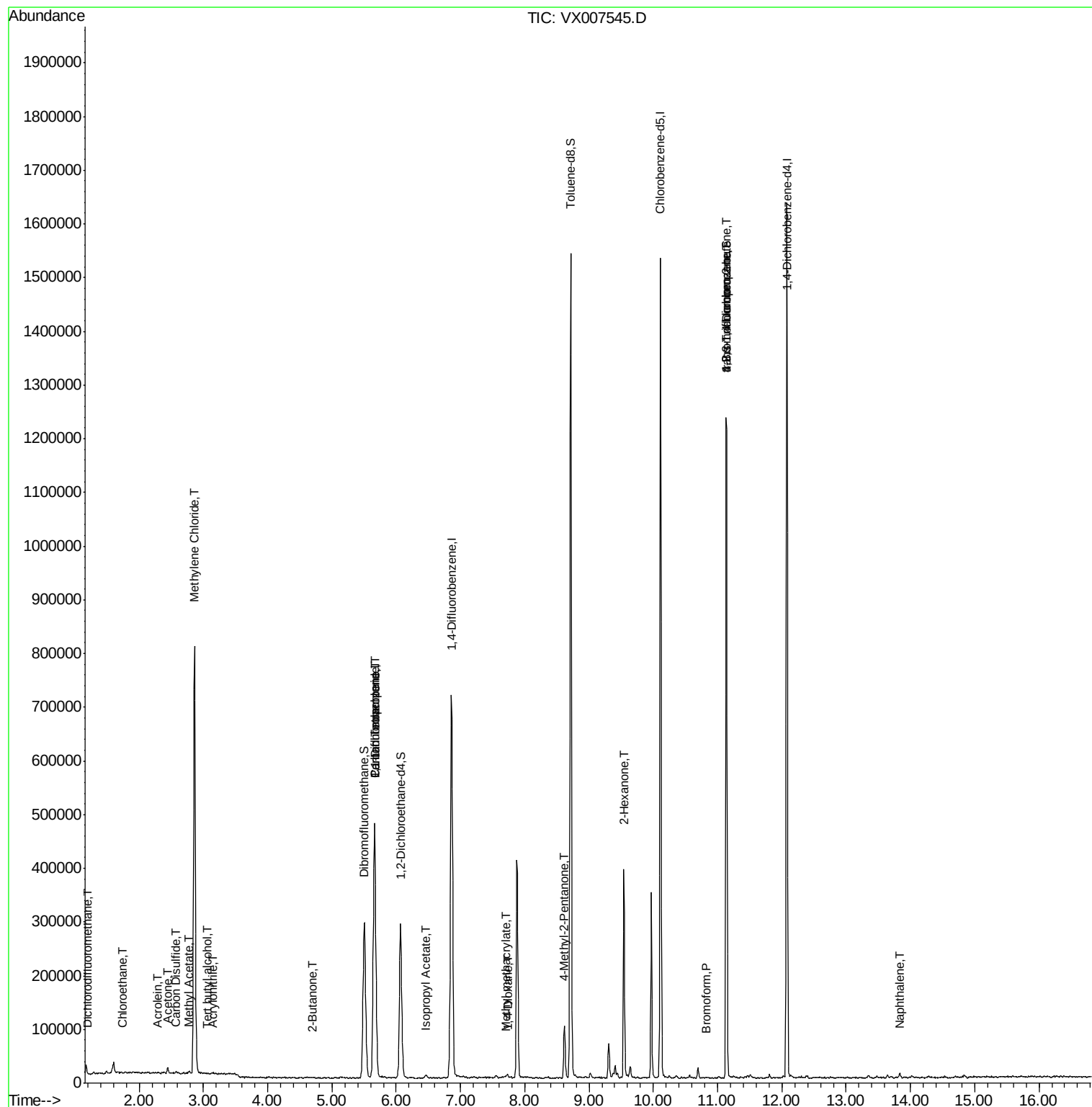
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	486852	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	762757	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	729659	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	342986	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	264599	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
35) Dibromofluoromethane	5.50	113	247467	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	8.71	98	920280	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
62) 4-Bromofluorobenzene	11.13	95	320672	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.40%	
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	556	0.270	ug/l	90
5) Bromomethane	1.64	94	792	Below Cal	#	37
6) Chloroethane	1.75	64	1307	0.376	ug/l #	43
11) Tert butyl alcohol	3.06	59	646	0.604	ug/l #	17
13) Acrolein	2.29	56	390	0.778	ug/l	93
15) Acrylonitrile	3.15	53	552	0.209	ug/l #	32
16) Acetone	2.45	43	10092	4.263	ug/l	98
17) Carbon Disulfide	2.57	76	2055	2.283	ug/l #	49
18) Methyl Acetate	2.78	43	6517	1.637	ug/l #	80
20) Methylene Chloride	2.86	84	369472	76.625	ug/l	99
25) 2-Butanone	4.70	43	1009	0.300	ug/l #	75
36) 1,1-Dichloropropene	5.66	75	30646	4.478	ug/l #	50
38) Carbon Tetrachloride	5.66	117	44697	6.732	ug/l #	17
43) Isopropyl Acetate	6.46	43	7515	0.704	ug/l	95
48) Methyl methacrylate	7.70	41	4574	0.856	ug/l #	15
49) 1,4-Dioxane	7.74	88	193	8.457	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	33197	4.722	ug/l #	46
59) 2-Hexanone	9.54	43	43135	7.885	ug/l #	53
71) Bromoform	10.81	173	104	4.050	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	151174	22.660	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	151174	68.344	ug/l #	9
95) Naphthalene	13.83	128	5557	0.240	ug/l #	88

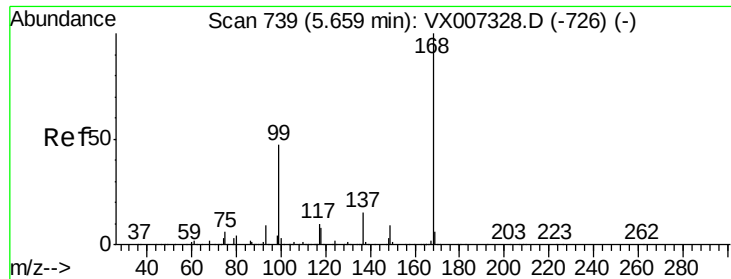
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007545.D

Acq: 14 Feb 2019 15:02

Instrument :

MSVOA_X

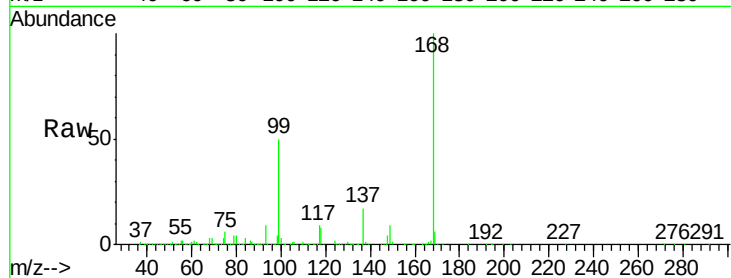
ClientSampleId :

Tot Ion:168 Resp: 486852

Ion Ratio Lower Upper

168 100

99 49.6 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

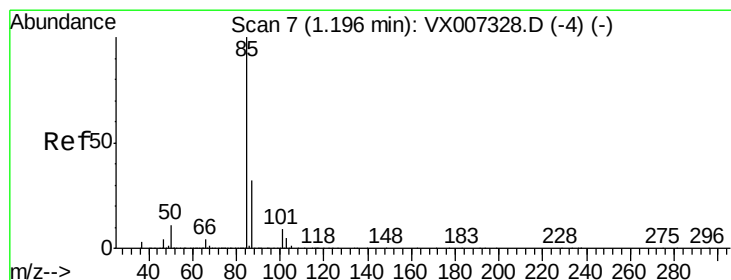
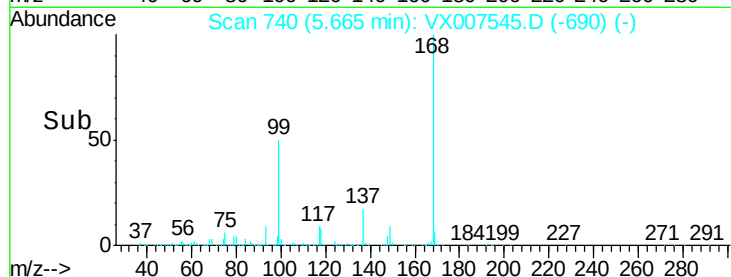
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.270 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007545.D

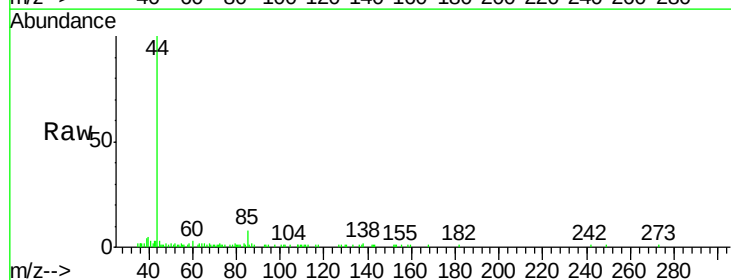
Acq: 14 Feb 2019 15:02

Tgt Ion: 85 Resp: 556

Ion Ratio Lower Upper

85 100

87 26.1 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

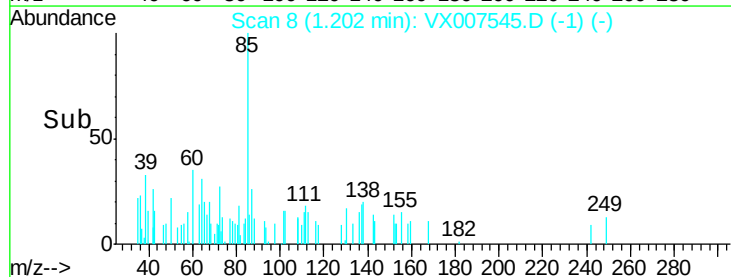
600

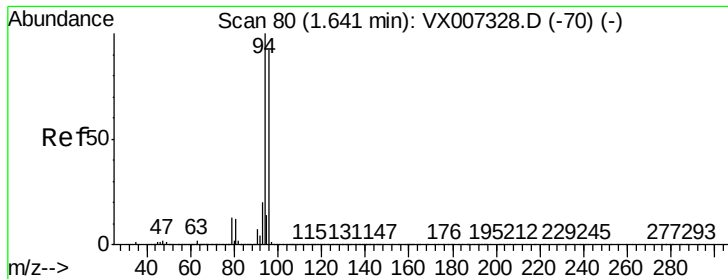
400

200

0

Time--> 1.15 1.20 1.25





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007545.D

Acq: 14 Feb 2019 15:02

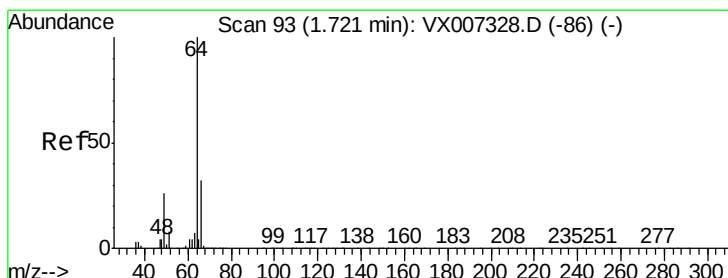
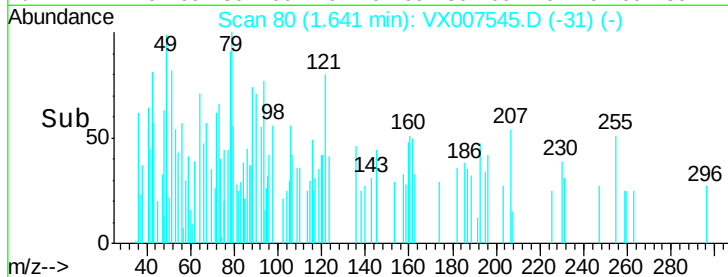
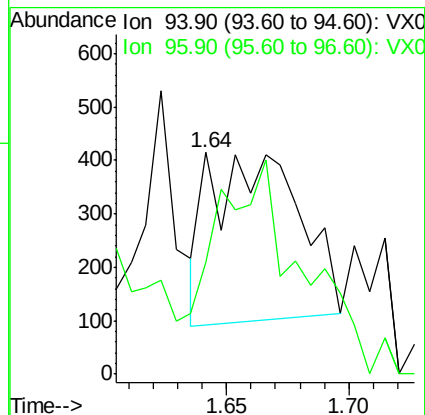
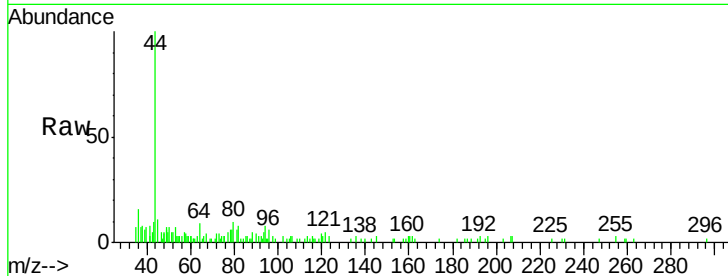
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 94 Resp: 792

Ion Ratio Lower Upper

94 100

96 32.2 73.9 110.9#



#6

Chloroethane

Concen: 0.376 ug/l

RT: 1.75 min Scan# 98

Delta R.T. 0.03 min

Lab File: VX007545.D

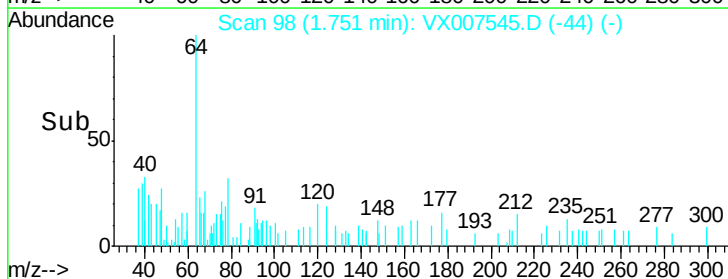
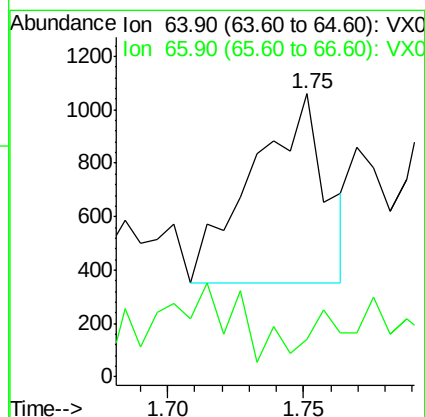
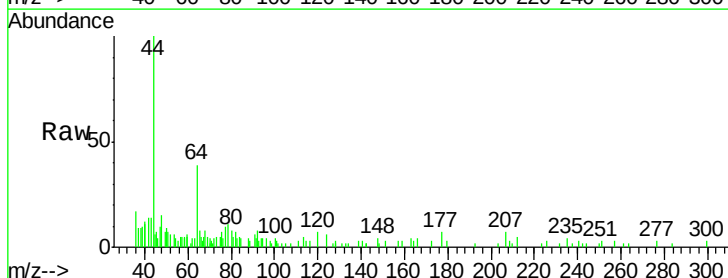
Acq: 14 Feb 2019 15:02

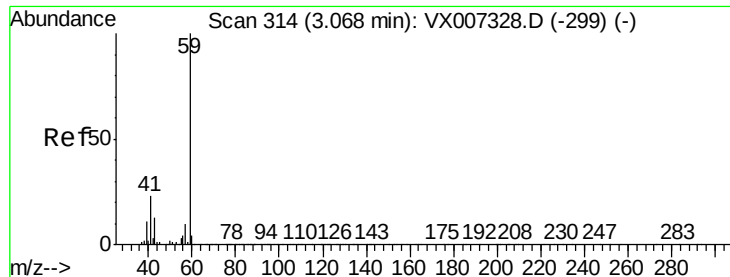
Tgt Ion: 64 Resp: 1307

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



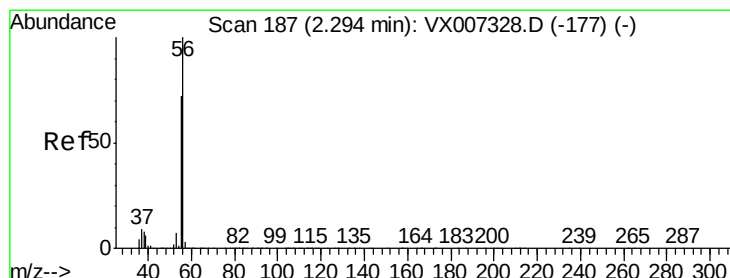
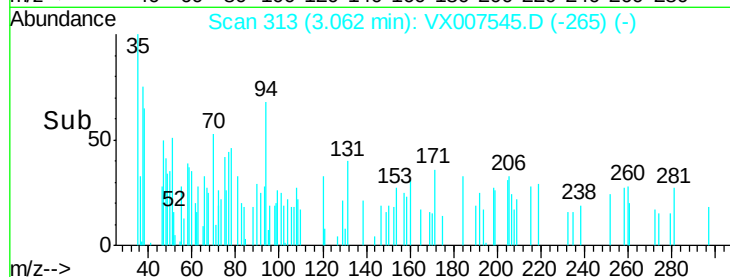
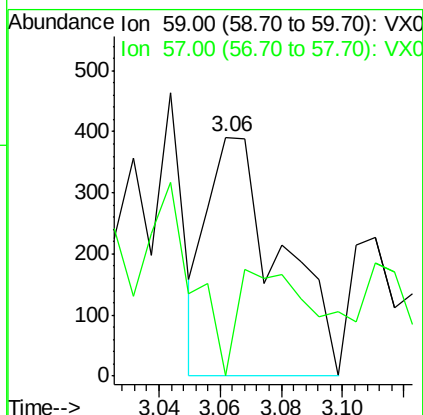
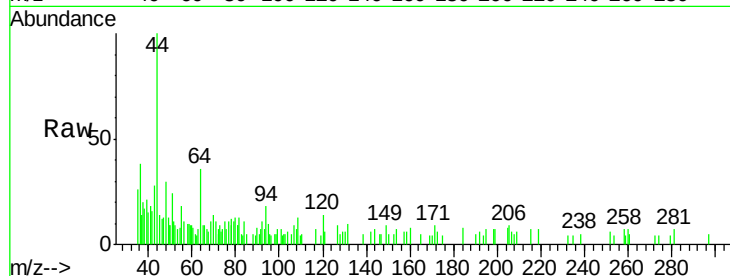


#11

Tert butyl alcohol
Concen: 0.604 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX007545.D
Acq: 14 Feb 2019 15:02

Instrument :
MSVOA_X
ClientSampled :

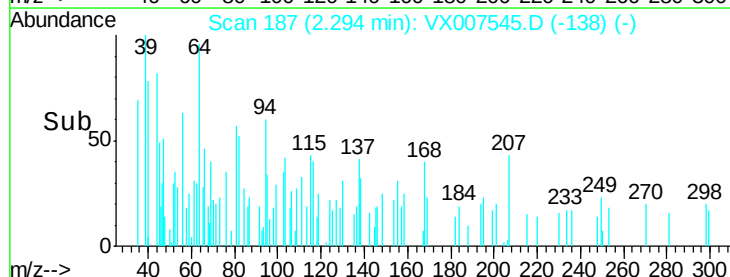
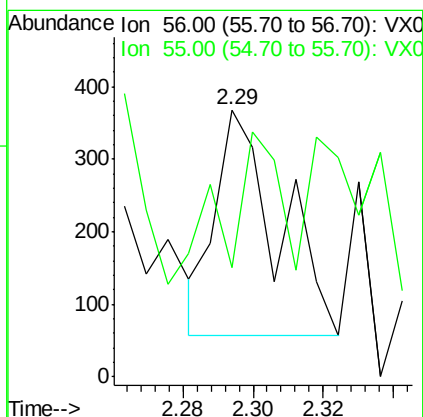
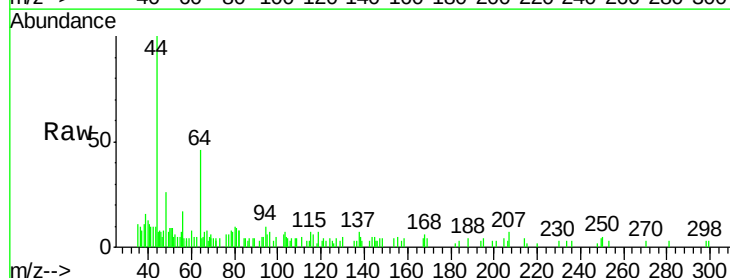
Tot Ion: 59 Resp: 646
Ion Ratio Lower Upper
59 100
57 40.9 8.1 12.1#

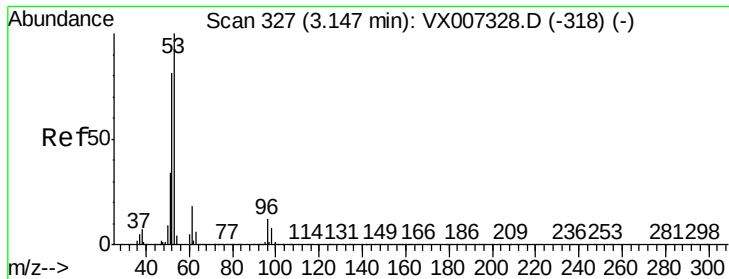


#13

Acrolein
Concen: 0.778 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX007545.D
Acq: 14 Feb 2019 15:02

Tgt Ion: 56 Resp: 390
Ion Ratio Lower Upper
56 100
55 65.1 56.9 85.3





#15

Acrylonitrile

Concen: 0.209 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX007545.D

Acq: 14 Feb 2019 15:02

Instrument :

MSVOA_X

ClientSampled :

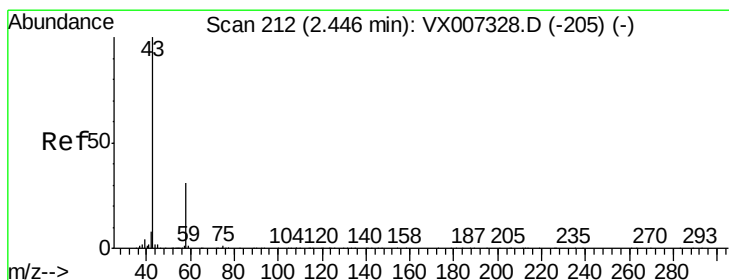
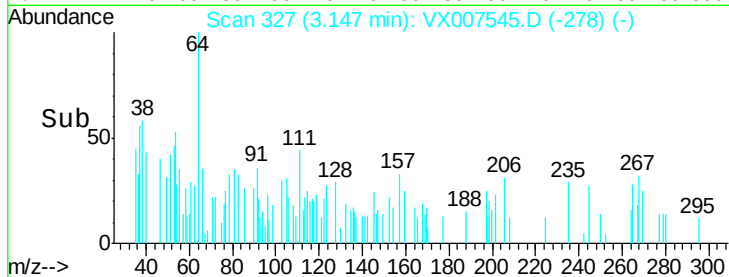
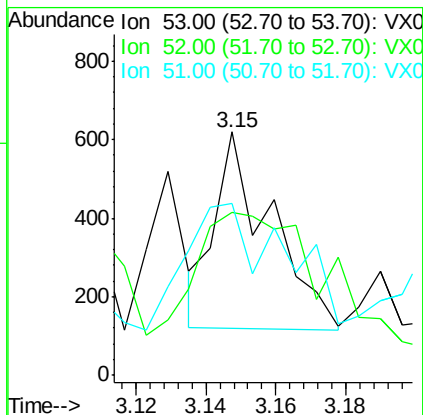
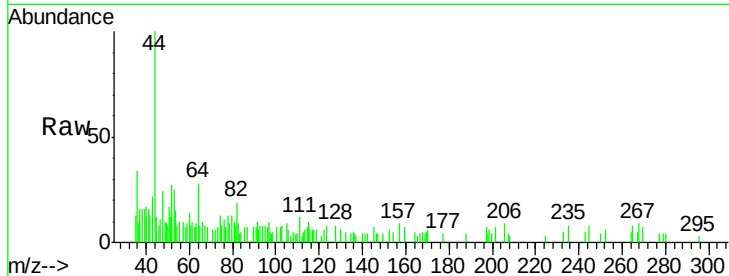
Tot Ion: 53 Resp: 552

Ion Ratio Lower Upper

53 100

52 146.9 66.4 99.6#

51 0.0 28.4 42.6#



#16

Acetone

Concen: 4.263 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007545.D

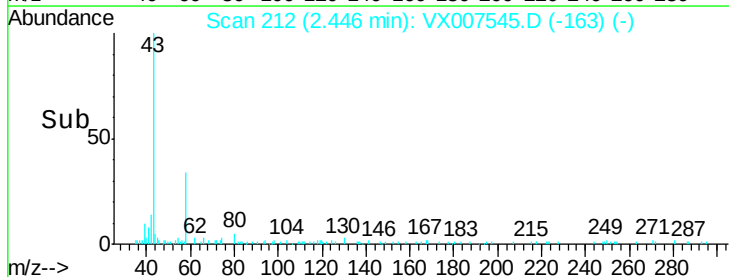
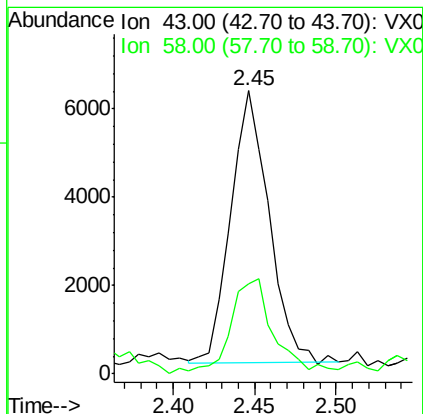
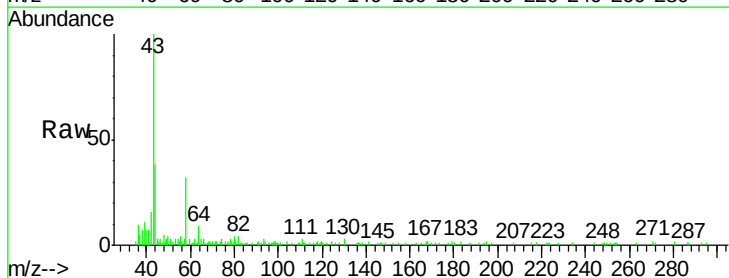
Acq: 14 Feb 2019 15:02

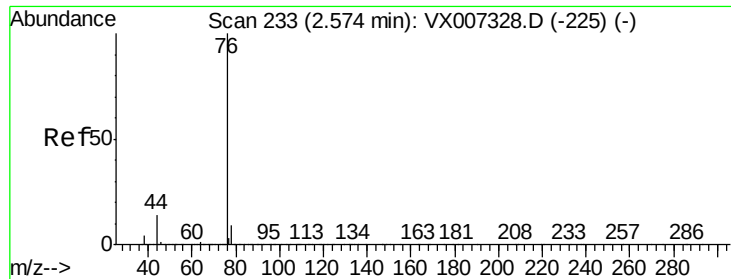
Tgt Ion: 43 Resp: 10092

Ion Ratio Lower Upper

43 100

58 32.1 24.9 37.3

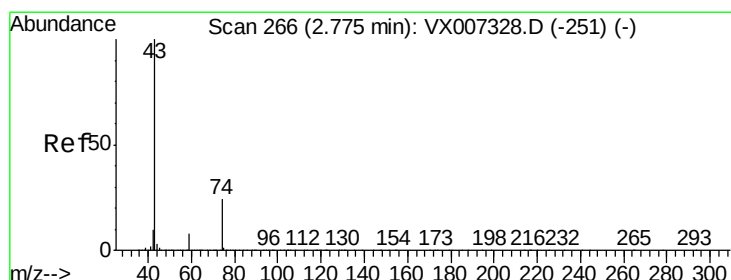
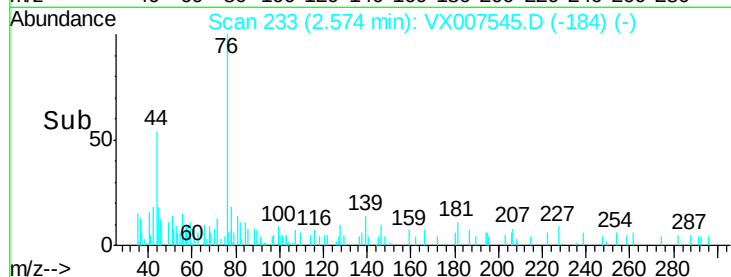
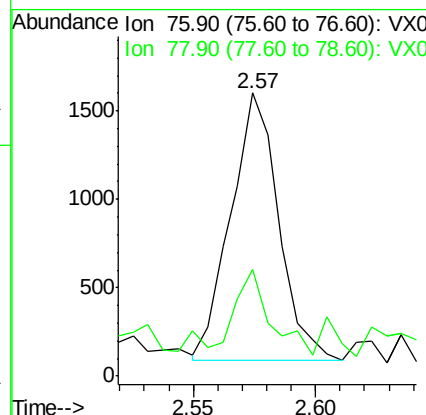
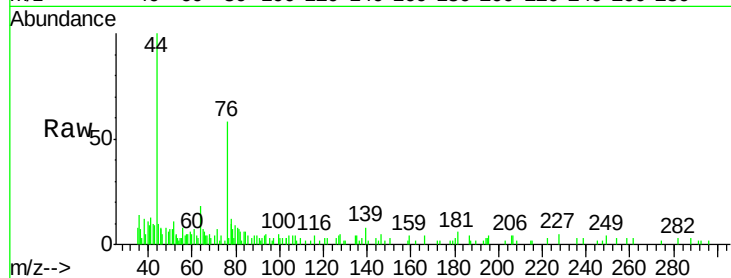




#17
Carbon Disulfide
Concen: 2.283 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.00 min
Lab File: VX007545.D
Acq: 14 Feb 2019 15:02

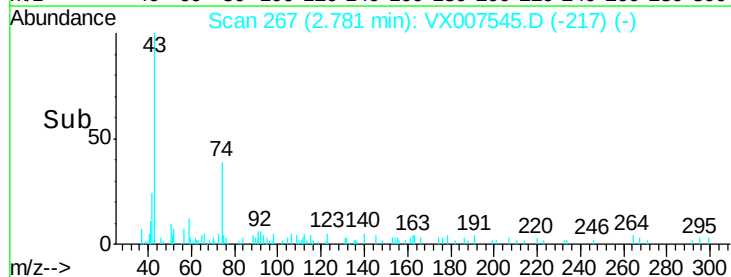
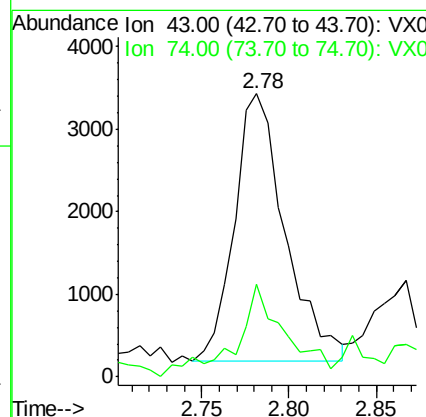
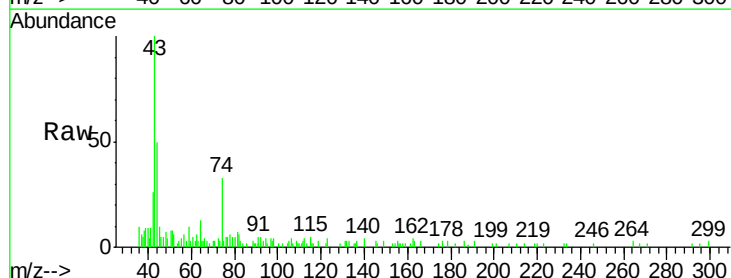
Instrument :
MSVOA_X
ClientSampled :

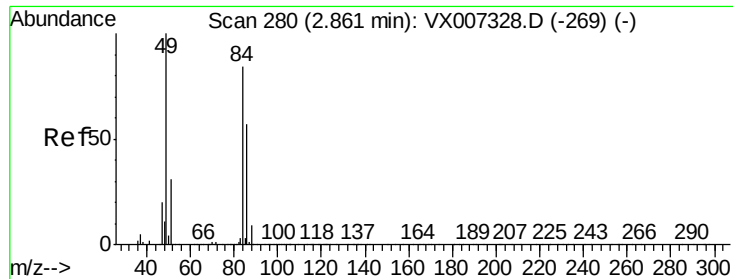
Tot Ion: 76 Resp: 2055
Ion Ratio Lower Upper
76 100
78 27.4 7.1 10.7#



#18
Methyl Acetate
Concen: 1.637 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX007545.D
Acq: 14 Feb 2019 15:02

Tgt Ion: 43 Resp: 6517
Ion Ratio Lower Upper
43 100
74 34.3 19.4 29.2#

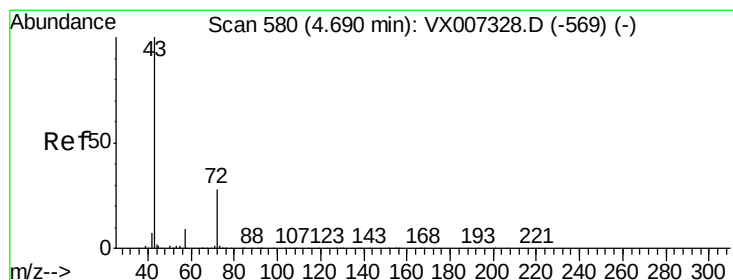
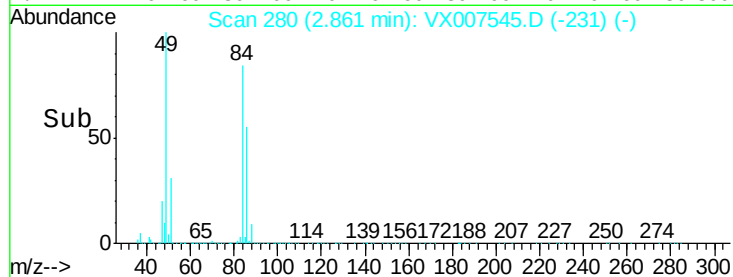
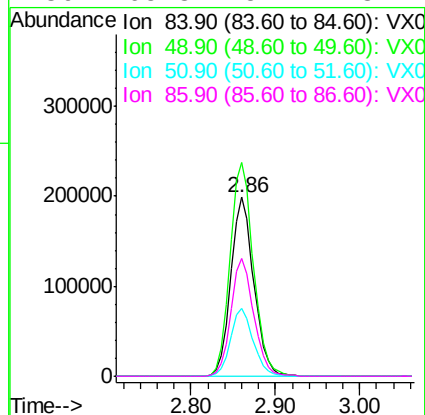
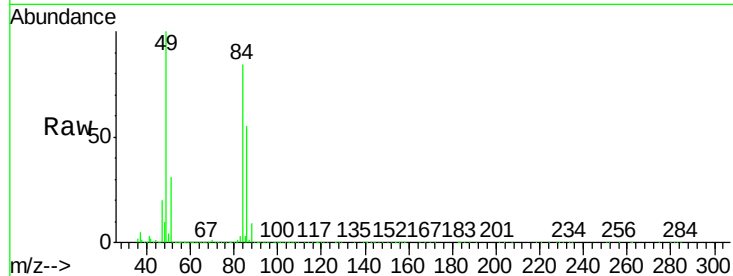




#20
Methylene Chloride
Concen: 76.625 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007545.D
Acq: 14 Feb 2019 15:02

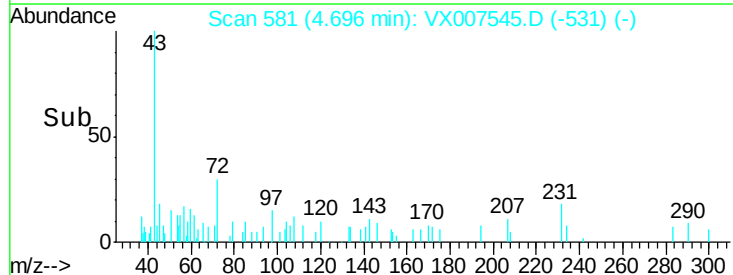
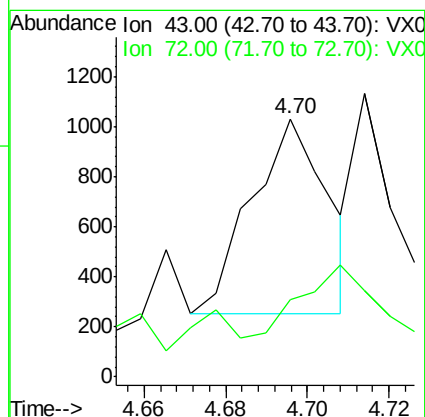
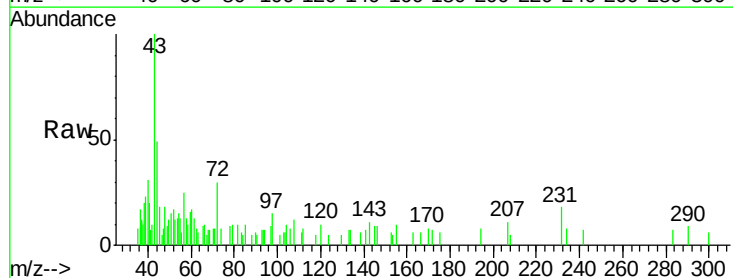
Instrument :
MSVOA_X
ClientSampleId :

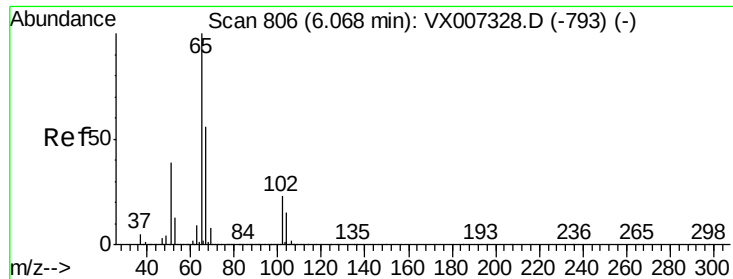
Tot Ion:	84	Resp:	369472
Ion	Ratio	Lower	Upper
84	100		
49	119.4	94.8	142.2
51	37.5	29.8	44.8
86	65.8	54.1	81.1



#25
2-Butanone
Concen: 0.300 ug/l
RT: 4.70 min Scan# 581
Delta R.T. 0.01 min
Lab File: VX007545.D
Acq: 14 Feb 2019 15:02

Tgt Ion:	43	Resp:	1009
Ion	Ratio	Lower	Upper
43	100		
72	14.7	22.2	33.2#

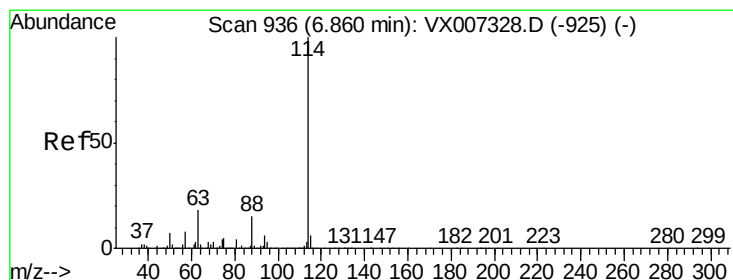
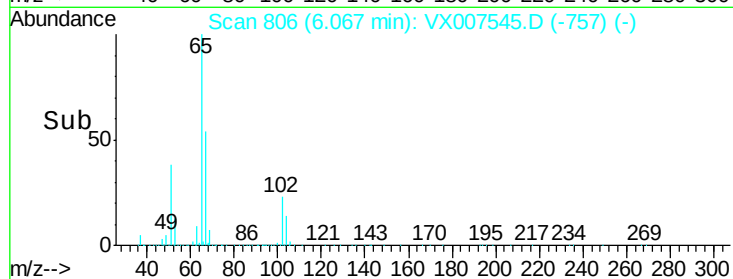
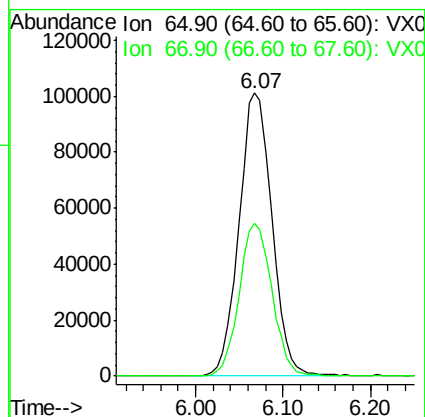
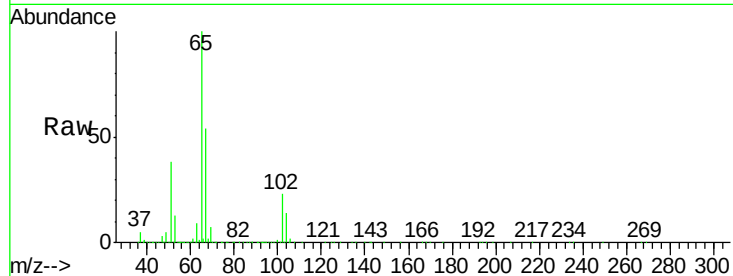




#33
 1,2-Dichloroethane-d4
 Concen: 51.204 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007545.D
 Acq: 14 Feb 2019 15:02

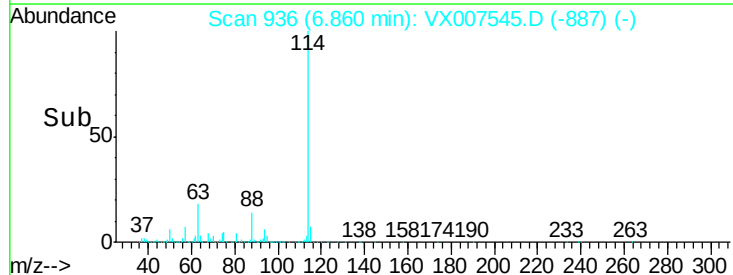
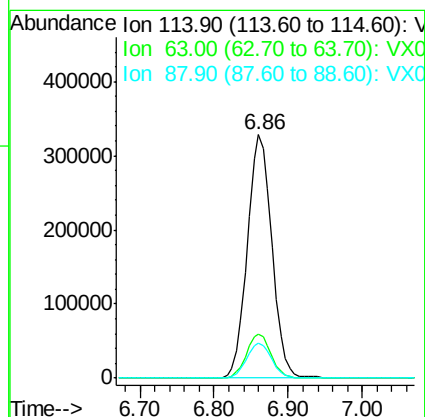
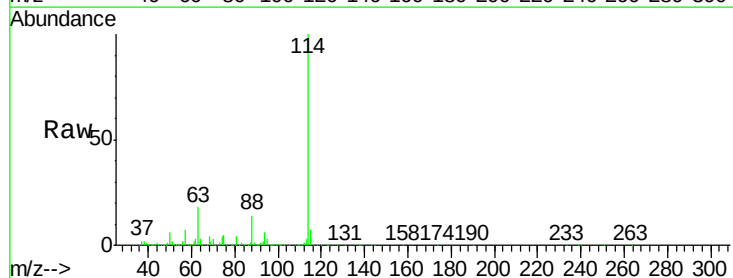
Instrument :
 MSVOA_X
 ClientSampled :

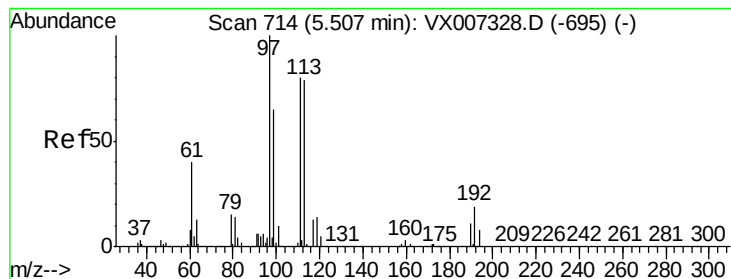
Tot Ion: 65 Resp: 264599
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007545.D
 Acq: 14 Feb 2019 15:02

Tgt Ion: 114 Resp: 762757
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 35.6
 88 14.4 0.0 29.6





#35

Dibromofluoromethane

Concen: 49.862 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007545.D

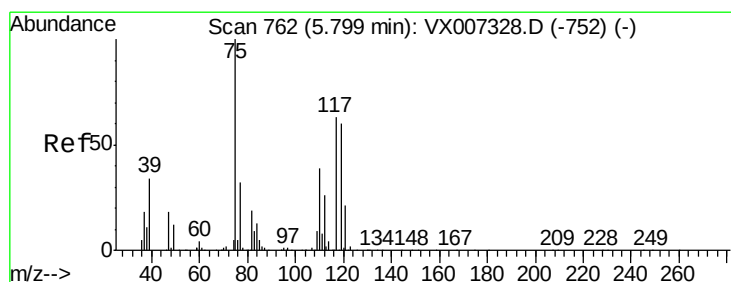
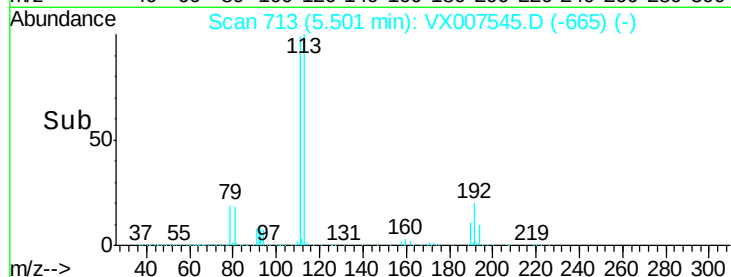
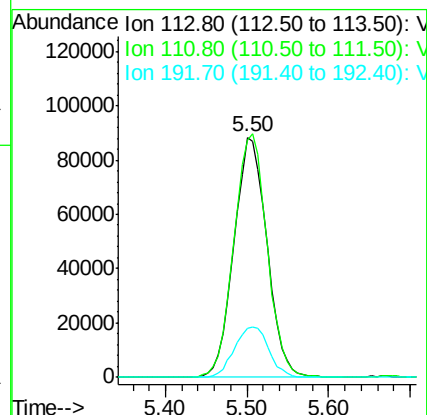
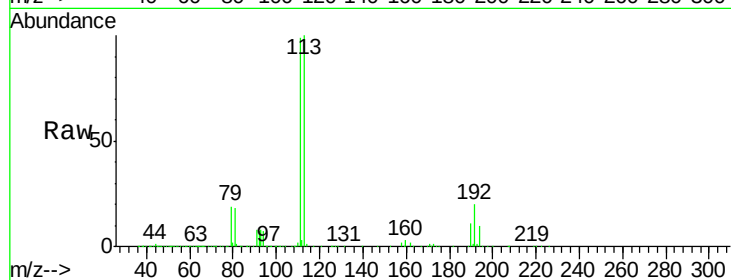
Acq: 14 Feb 2019 15:02

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:113	Resp:	247467
Ion Ratio	Lower	Upper
113	100	
111	101.7	81.8 122.8
192	22.0	18.5 27.7



#36

1,1-Dichloropropene

Concen: 4.478 ug/l

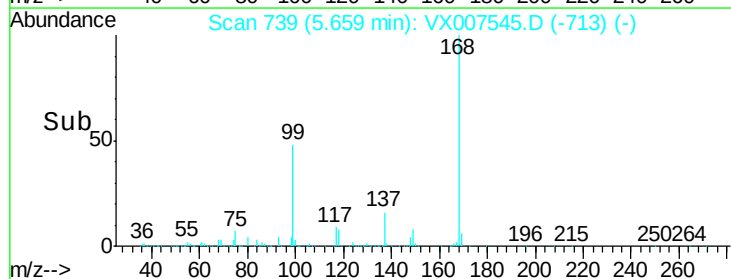
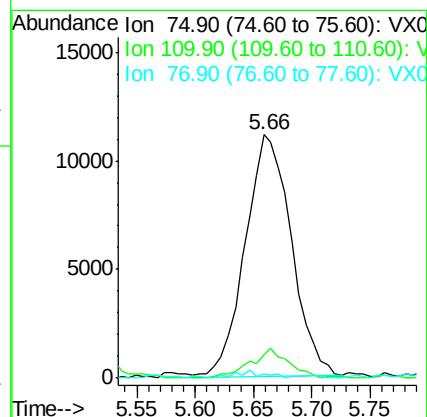
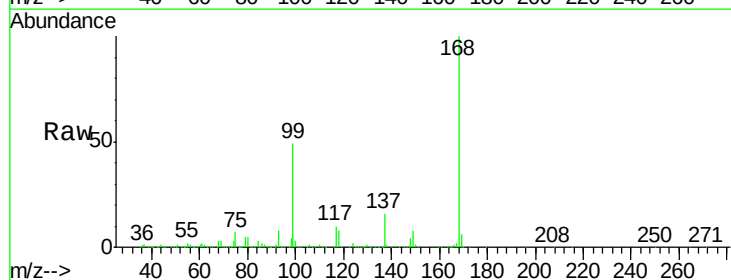
RT: 5.66 min Scan# 739

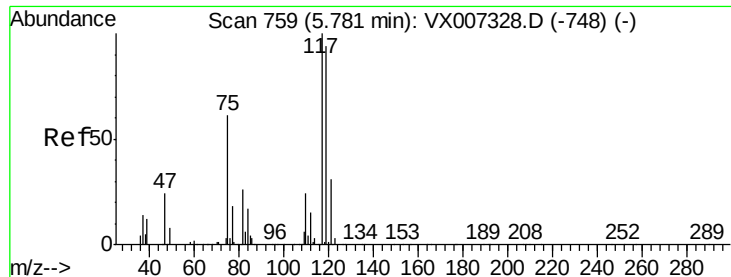
Delta R.T. -0.14 min

Lab File: VX007545.D

Acq: 14 Feb 2019 15:02

Tgt Ion: 75	Resp:	30646
Ion Ratio	Lower	Upper
75	100	
110	10.2	20.0 59.9#
77	1.8	24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.732 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007545.D

Acq: 14 Feb 2019 15:02

Instrument :

MSVOA_X

ClientSampleId :

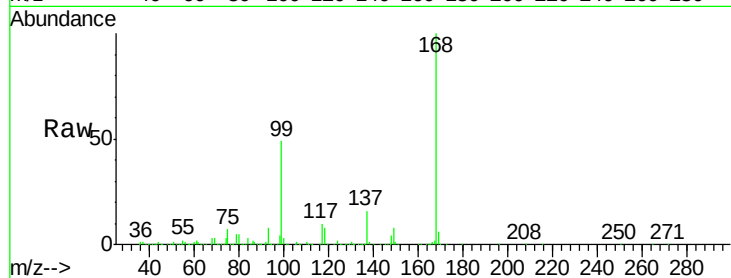
Tot Ion:117 Resp: 44697

Ion Ratio Lower Upper

117 100

119 5.1 75.3 112.9#

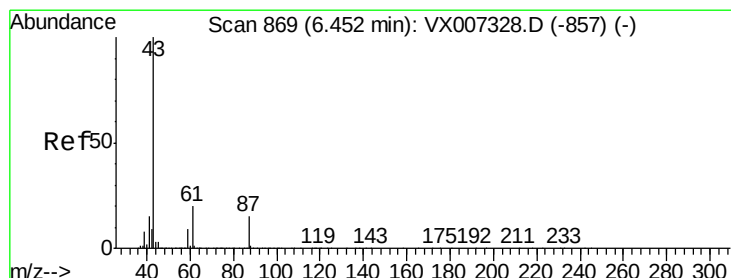
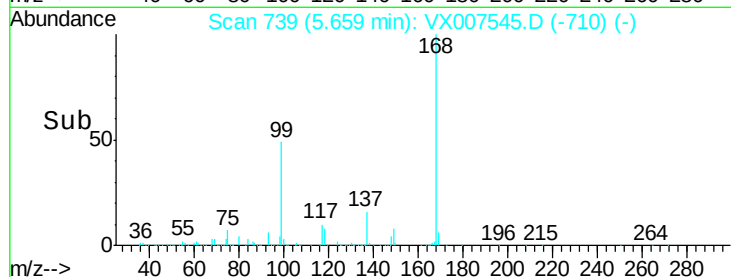
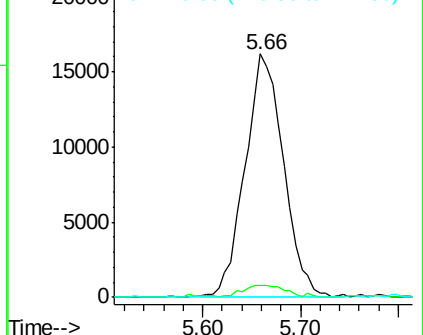
121 0.0 25.0 37.4#



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



#43

Isopropyl Acetate

Concen: 0.704 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX007545.D

Acq: 14 Feb 2019 15:02

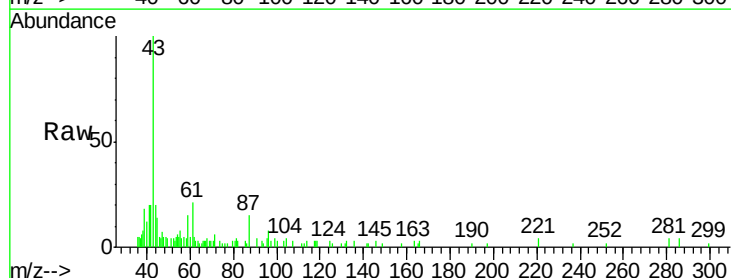
Tgt Ion: 43 Resp: 7515

Ion Ratio Lower Upper

43 100

61 16.7 16.1 24.1

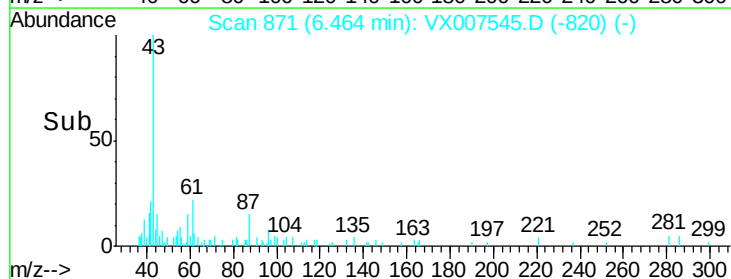
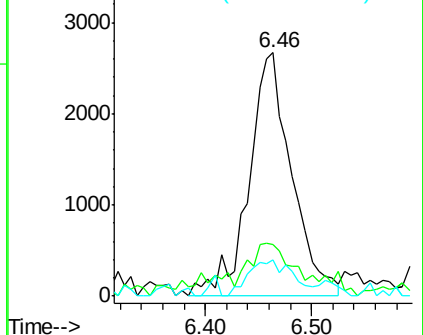
87 15.2 11.5 17.3

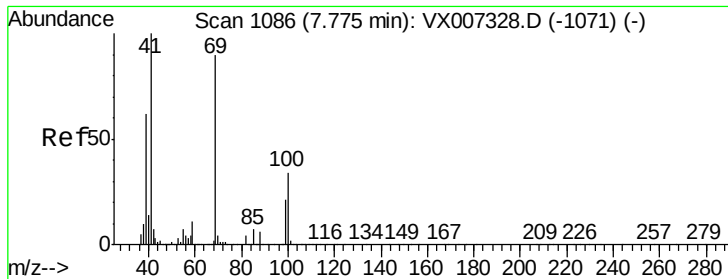


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

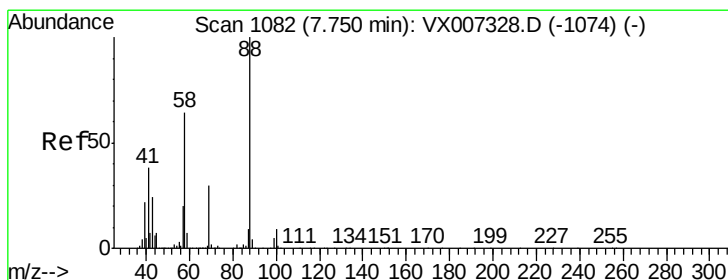
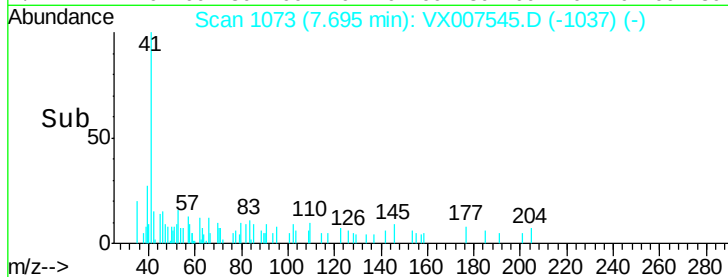
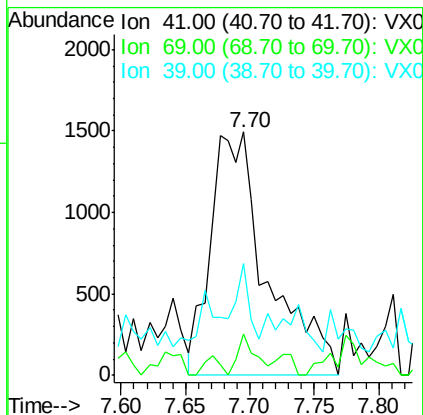
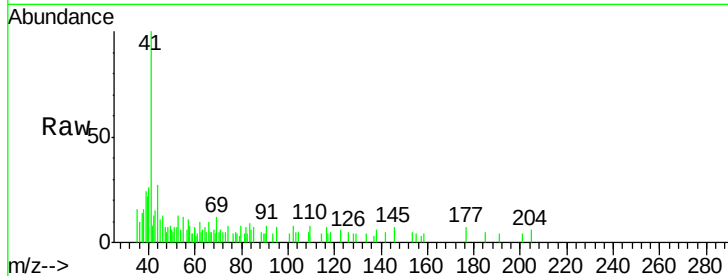




#48
Methvl methacrylate
Concen: 0.856 ug/l
RT: 7.70 min Scan# 1073
Delta R.T. -0.08 min
Lab File: VX007545.D
Acq: 14 Feb 2019 15:02

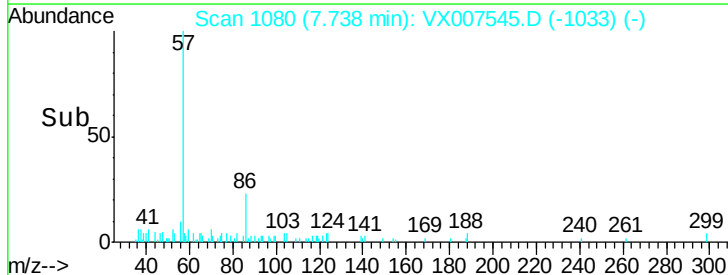
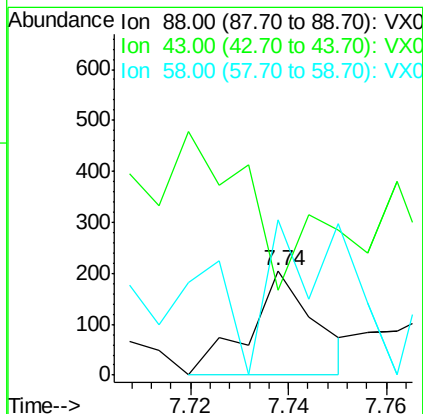
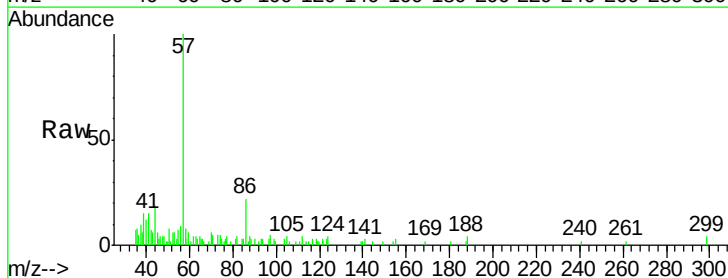
Instrument :
MSVOA_X
ClientSampleId :

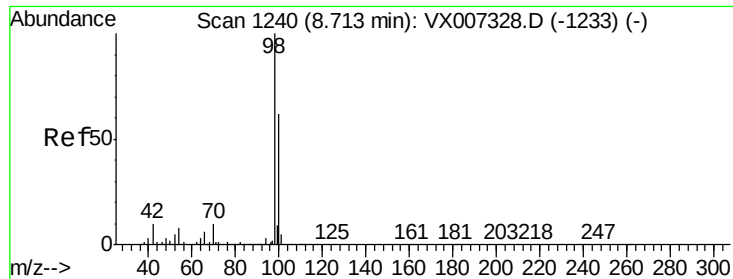
Tot Ion	Ratio	Lower	Upper
41	100		
69	5.2	70.2	105.4#
39	0.0	47.4	71.0#



#49
1,4-Dioxane
Concen: 8.457 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VX007545.D
Acq: 14 Feb 2019 15:02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	24.2	36.4#
58	168.9	53.0	79.4#





#50

Toluene-d8

Concen: 49.978 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007545.D

Acq: 14 Feb 2019 15:02

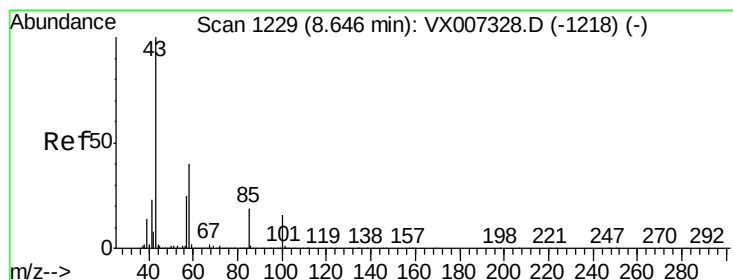
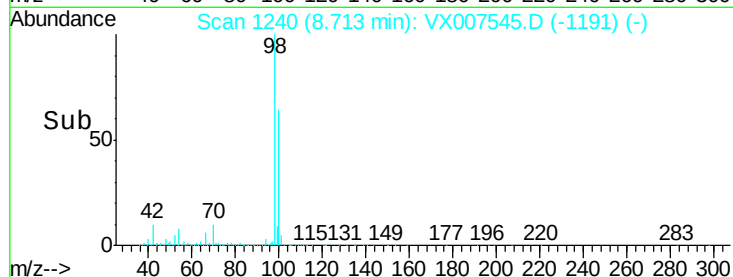
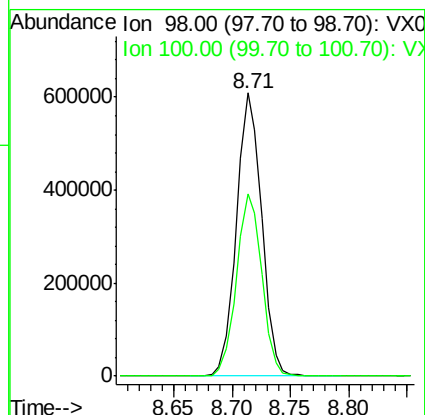
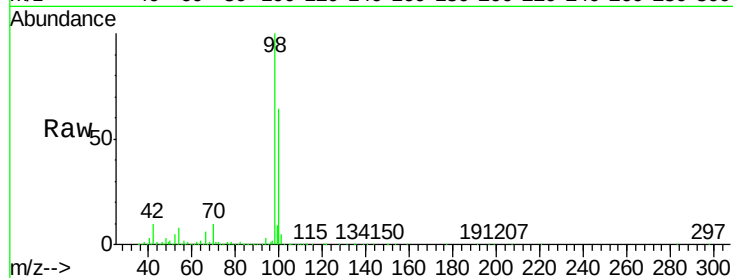
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 920280

Ion Ratio Lower Upper

98 100

100 64.7 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 4.722 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.03 min

Lab File: VX007545.D

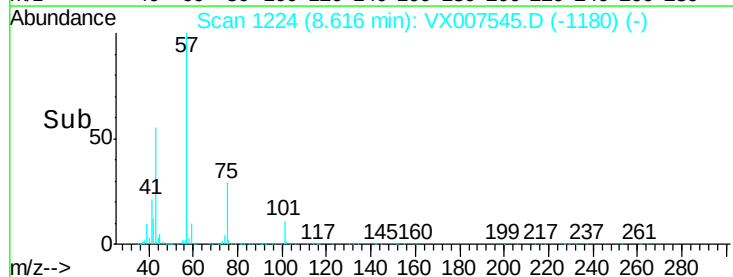
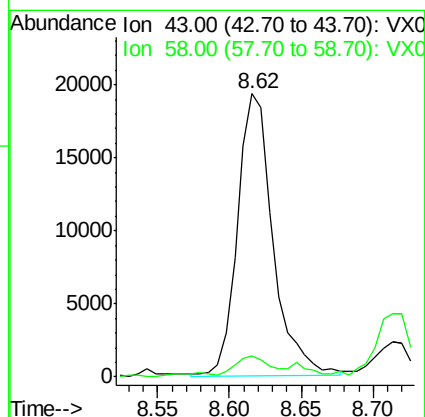
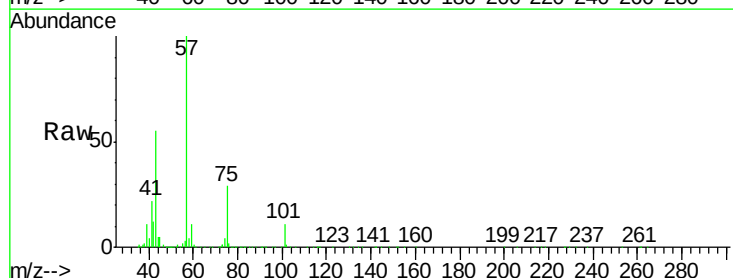
Acq: 14 Feb 2019 15:02

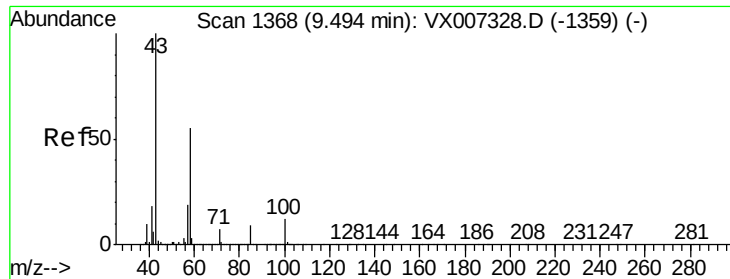
Tgt Ion: 43 Resp: 33197

Ion Ratio Lower Upper

43 100

58 6.3 31.2 46.8#

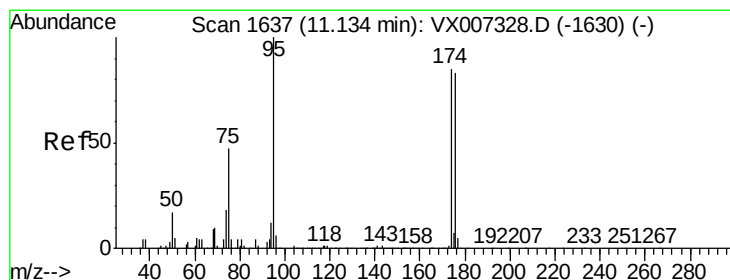
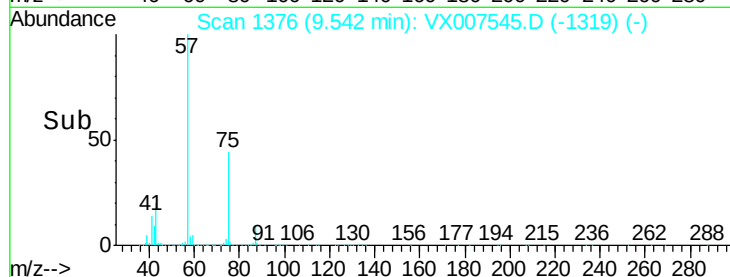
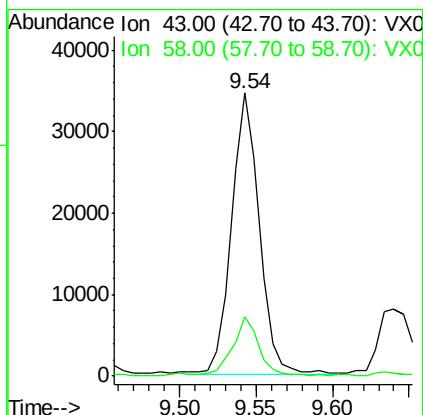
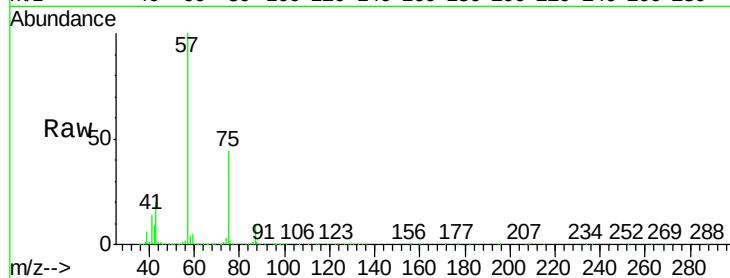




#59
2-Hexanone
Concen: 7.885 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.05 min
Lab File: VX007545.D
Acq: 14 Feb 2019 15:02

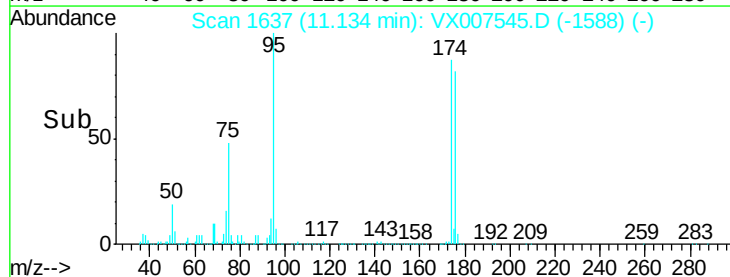
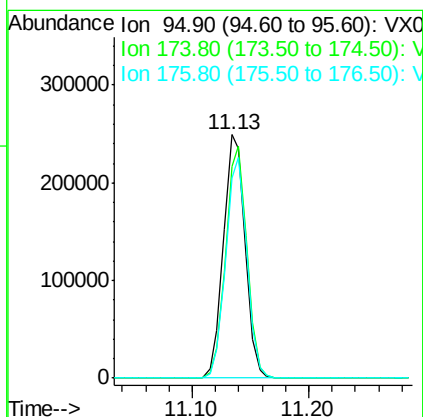
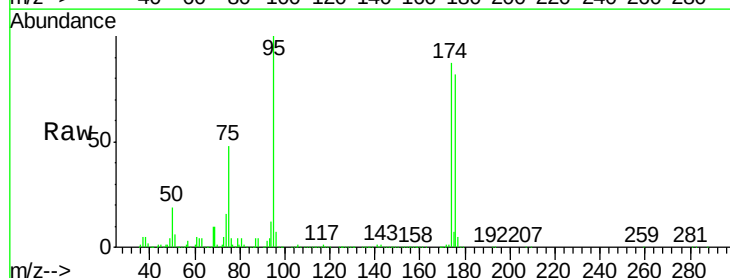
Instrument :
MSVOA_X
ClientSampleId :

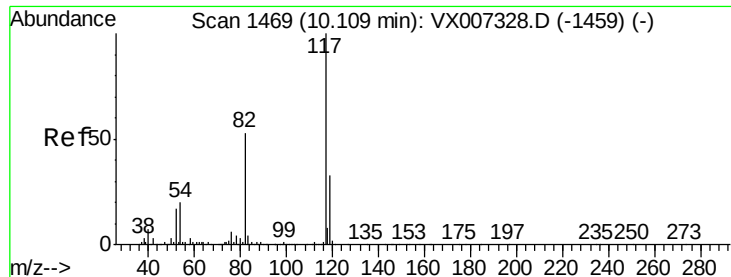
Tot Ion: 43 Resp: 43135
Ion Ratio Lower Upper
43 100
58 20.3 27.1 81.3#



#62
4-Bromofluorobenzene
Concen: 47.699 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007545.D
Acq: 14 Feb 2019 15:02

Tgt Ion: 95 Resp: 320672
Ion Ratio Lower Upper
95 100
174 93.5 0.0 189.2
176 88.7 0.0 186.2

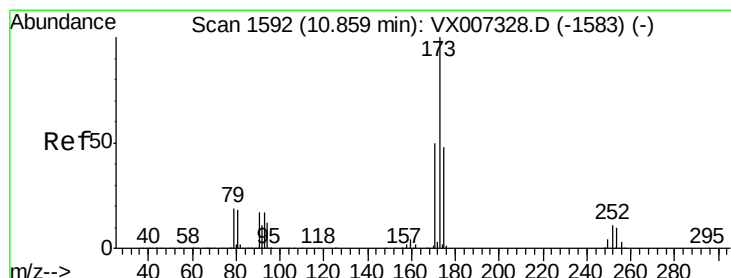
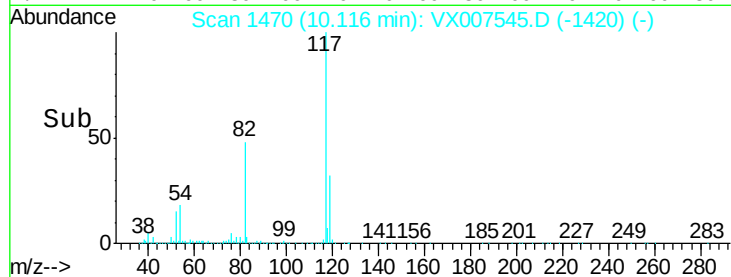
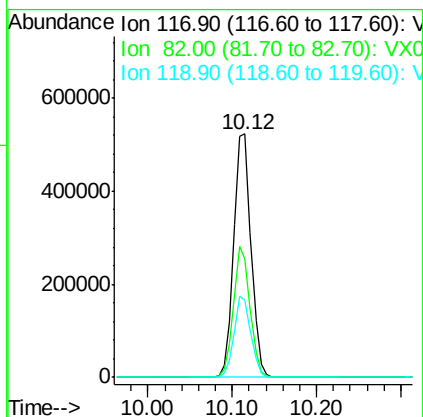
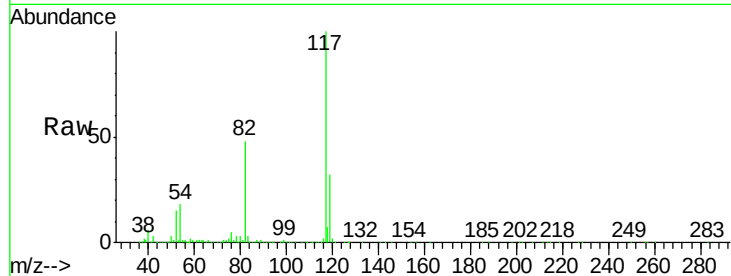




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007545.D
Acq: 14 Feb 2019 15:02

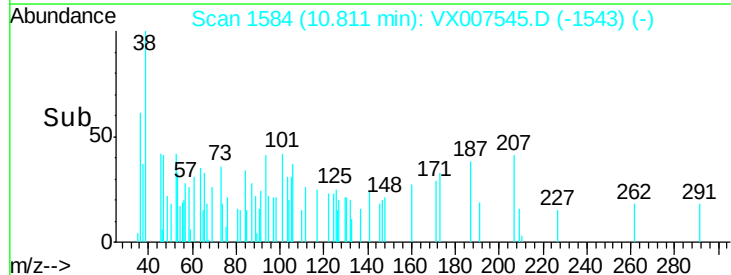
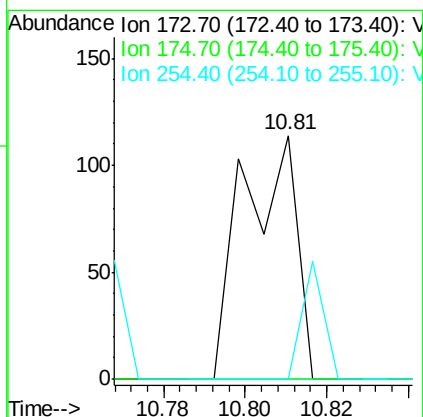
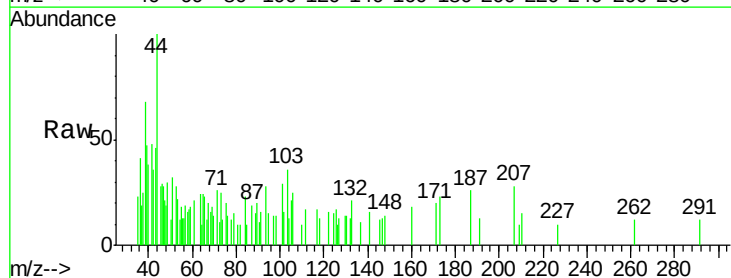
Instrument :
MSVOA_X
ClientSampleId :

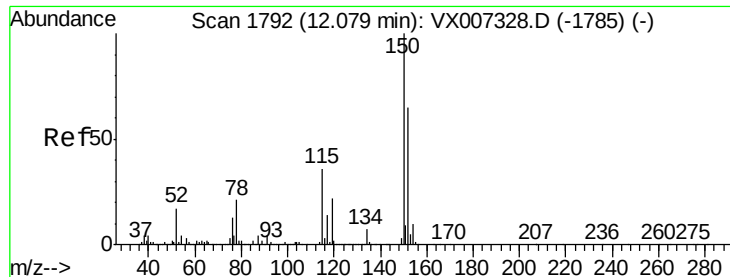
Tot Ion	Ratio	Lower	Upper
117	100		
82	48.4	42.1	63.1
119	31.7	26.5	39.7



#71
Bromoform
Concen: 4.050 ug/l
RT: 10.81 min Scan# 1584
Delta R.T. -0.05 min
Lab File: VX007545.D
Acq: 14 Feb 2019 15:02

Tgt Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.2	72.6#
254	19.2	0.2	0.2#



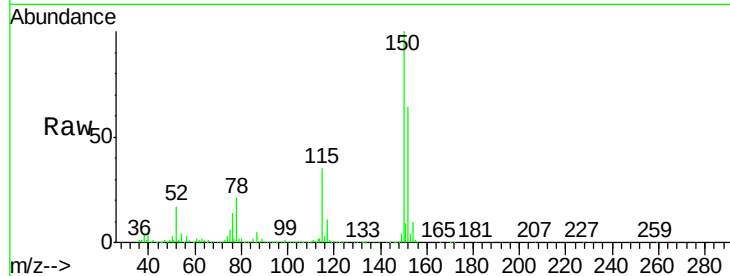


#72

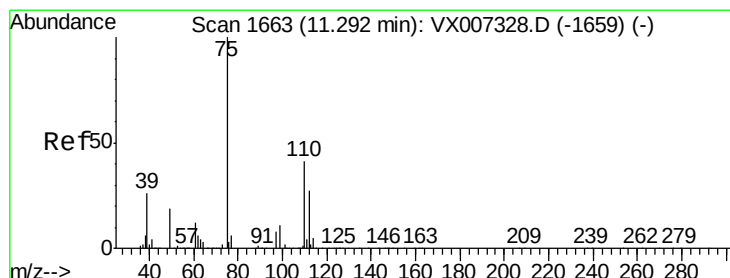
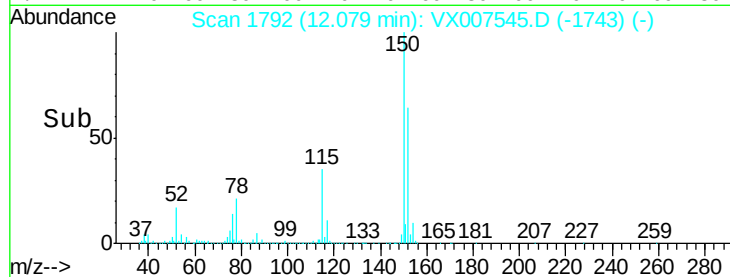
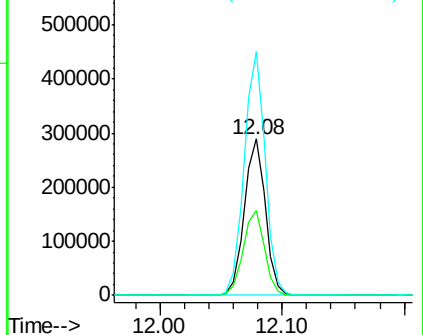
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007545.D
Acq: 14 Feb 2019 15:02

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.9	38.0	114.0
150	155.5	0.0	346.4



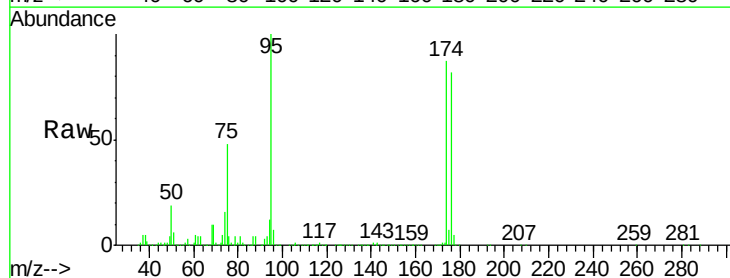
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



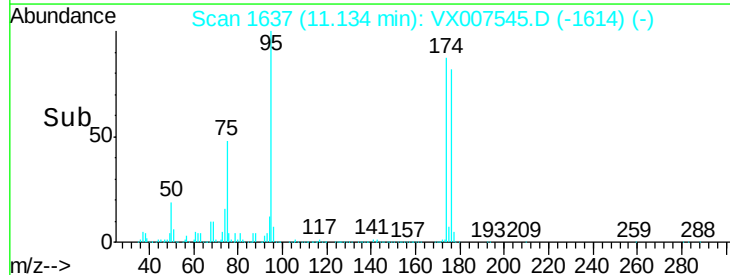
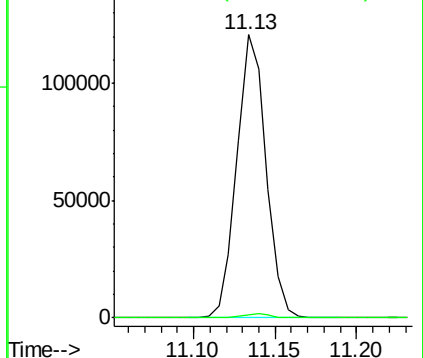
#76

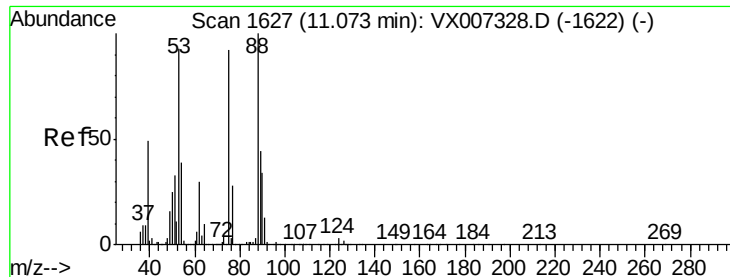
1,2,3-Trichloropropane
Concen: 22.660 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007545.D
Acq: 14 Feb 2019 15:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.6	23.0	69.0



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 68.344 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007545.D

Acq: 14 Feb 2019 15:02

Instrument :

MSVOA_X

ClientSampleId :

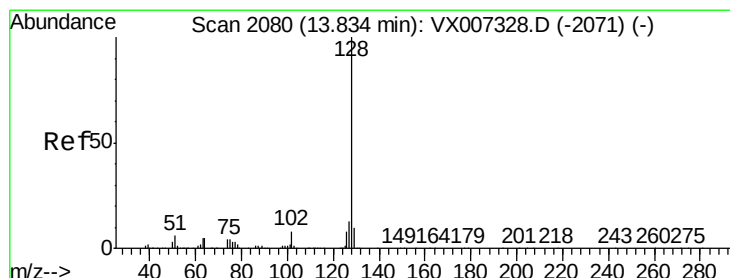
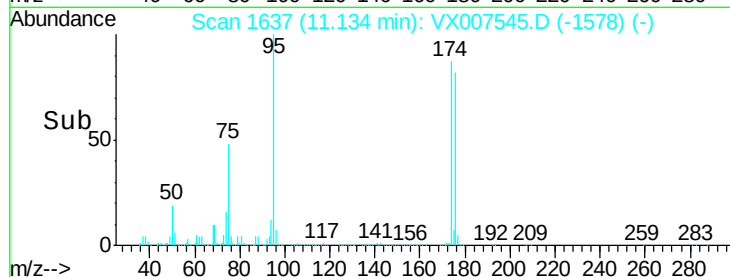
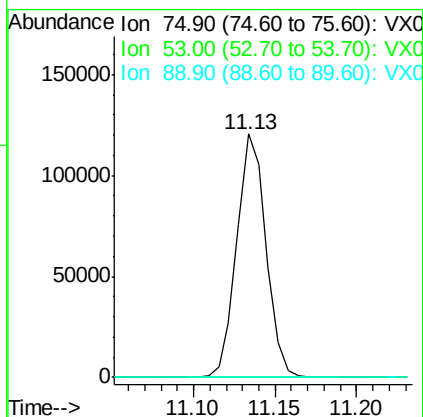
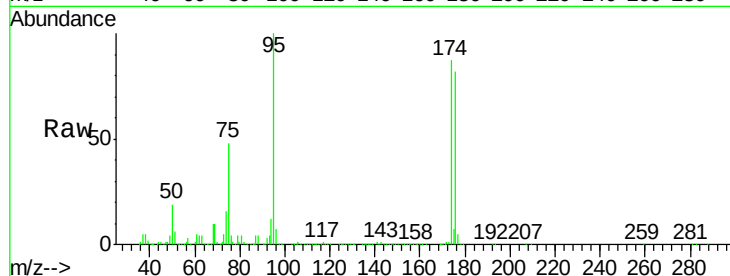
Tot Ion: 75 Resp: 151174

Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.6#

89 0.2 41.4 62.0#



#95

Naphthalene

Concen: 0.240 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007545.D

Acq: 14 Feb 2019 15:02

Tgt Ion: 128 Resp: 5557

Ion Ratio Lower Upper

128 100

127 17.9 10.5 15.7#

129 15.3 8.7 13.1#

