

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100719\
 Data File : VX012866.D
 Acq On : 08 Oct 2019 03:16
 Operator : JC/SP
 Sample : K5216-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 08 11:17:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	181960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	309895	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	265704	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	107456	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	121485	45.85	ug/l	0.00
Spiked Amount			Recovery	=	91.70%	
35) Dibromofluoromethane	5.48	113	93084	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	
50) Toluene-d8	8.71	98	368868	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	
62) 4-Bromofluorobenzene	11.14	95	128300	45.91	ug/l	0.00
Spiked Amount			Recovery	=	91.82%	

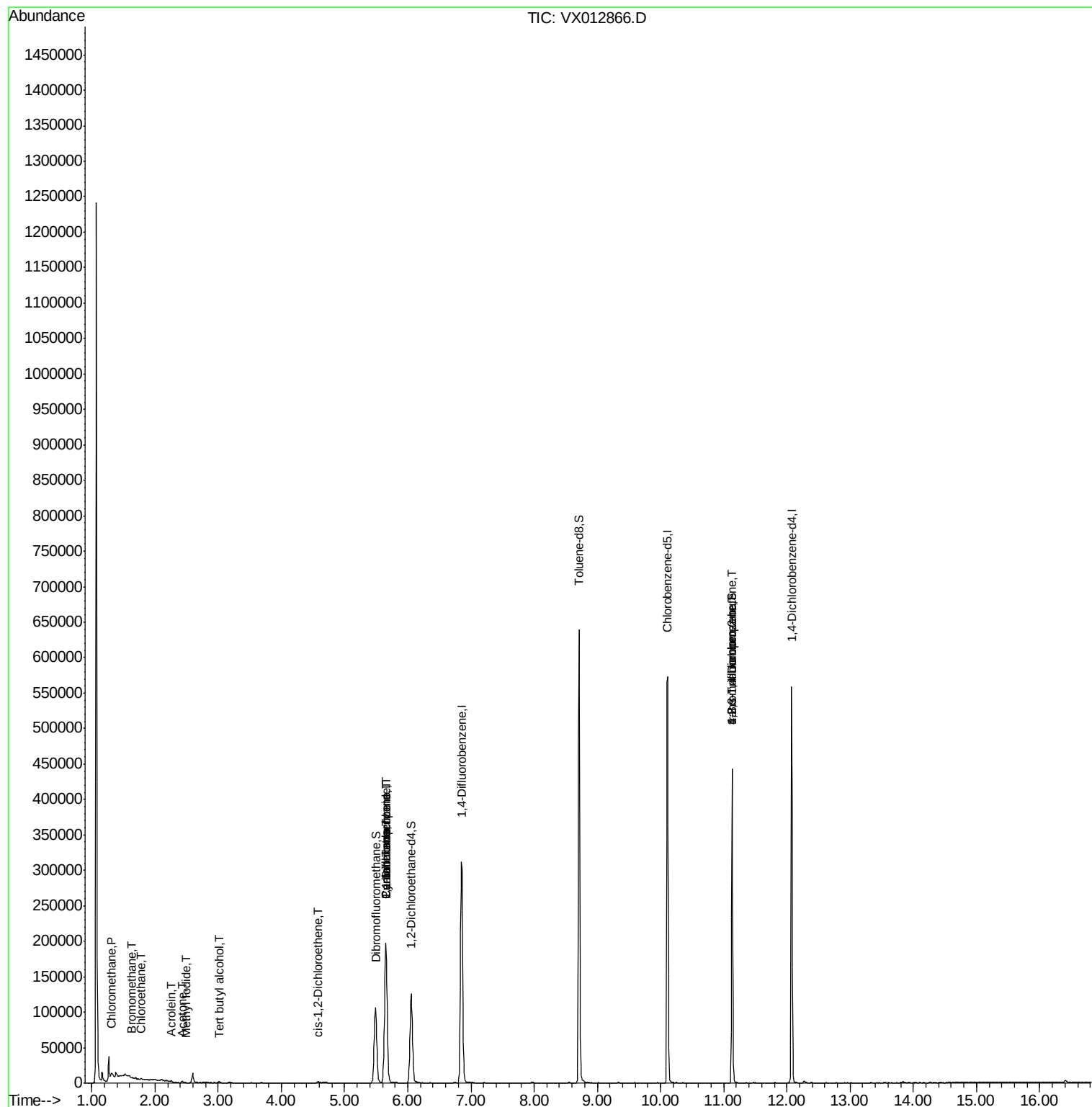
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	848	0.361	ug/l	96
5) Bromomethane	1.64	94	249	0.271	ug/l	97
6) Chloroethane	1.78	64	1684	1.069	ug/l #	46
10) Methyl Iodide	2.50	142	23	4.963	ug/l #	35
11) Tert butyl alcohol	3.03	59	1454	2.197	ug/l #	72
13) Acrolein	2.25	56	86	10.457	ug/l #	1
16) Acetone	2.43	43	2575	1.835	ug/l #	82
27) cis-1,2-Dichloroethene	4.58	96	1264	0.503	ug/l	82
31) Cyclohexane	5.65	56	3923	1.064	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14708	4.924	ug/l #	52
38) Carbon Tetrachloride	5.65	117	18447	6.079	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	64516	22.697	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	64516	65.045	ug/l #	8

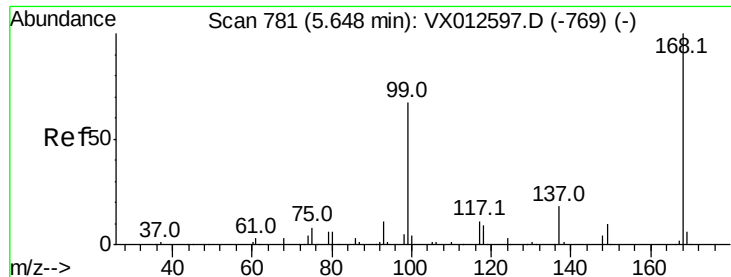
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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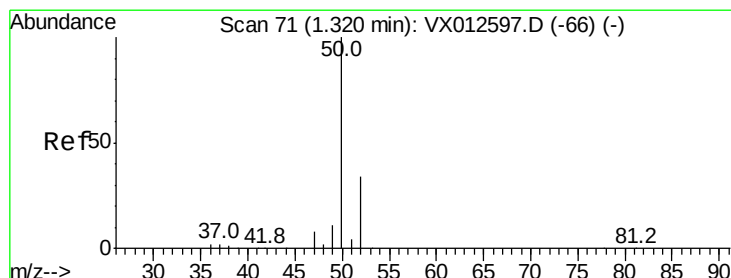
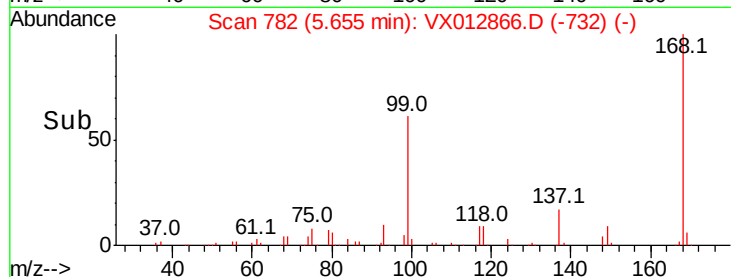
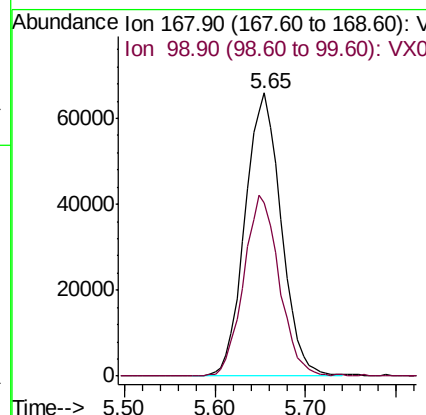
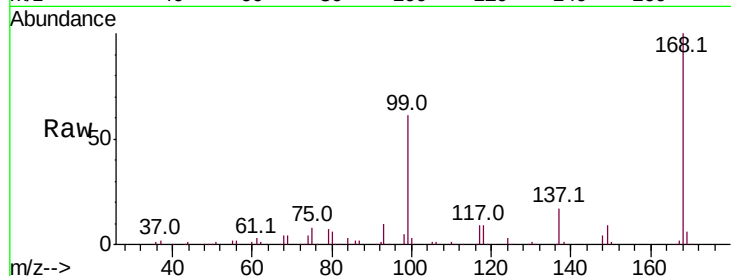




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.01 min
Lab File: VX012866.D
Acq: 08 Oct 2019 03:16

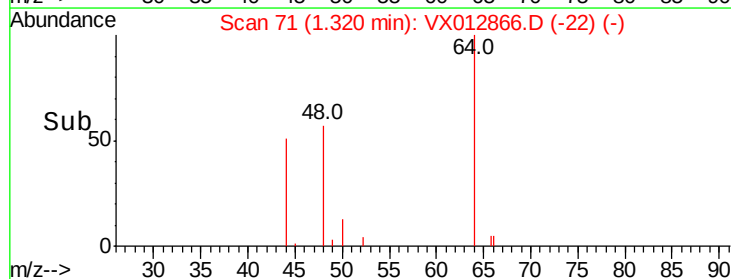
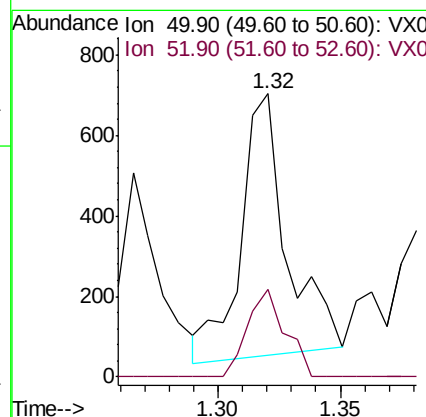
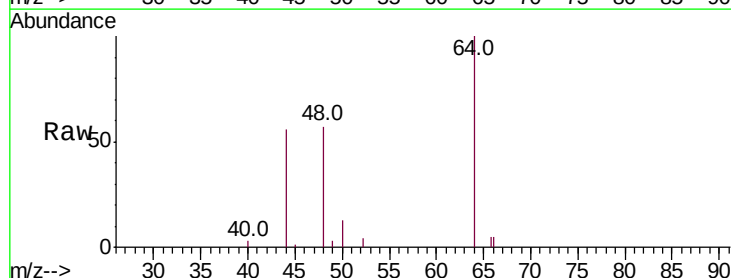
Instrument :
MSVOA_X
ClientSampleId :

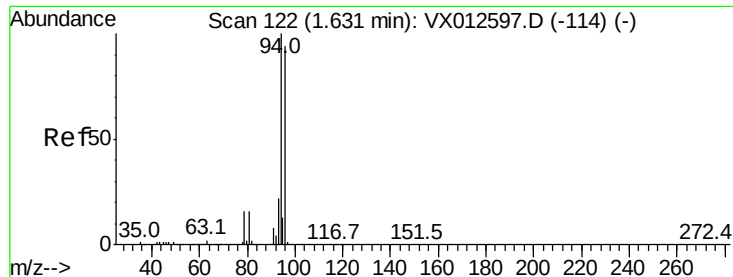
Tot Ion:168 Resp: 181960
Ion Ratio Lower Upper
168 100
99 61.1 51.4 77.2



#3
Chloromethane
Concen: 0.361 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VX012866.D
Acq: 08 Oct 2019 03:16

Tgt Ion: 50 Resp: 848
Ion Ratio Lower Upper
50 100
52 34.5 25.7 38.5





#5

Bromomethane

Concen: 0.271 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012866.D

Acq: 08 Oct 2019 03:16

Instrument :

MSVOA_X

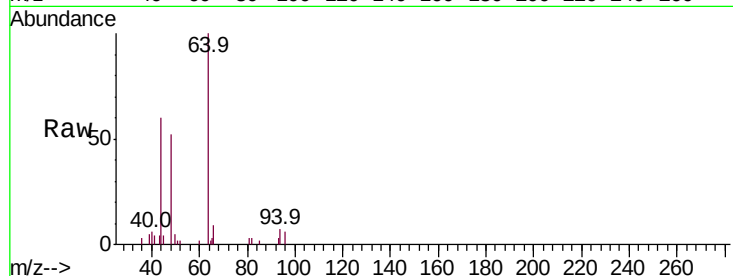
ClientSampleId :

Tot Ion: 94 Resp: 249

Ion Ratio Lower Upper

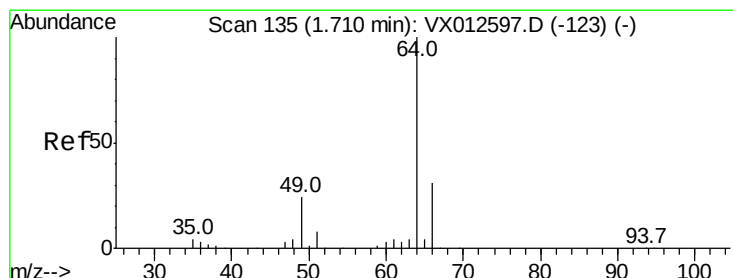
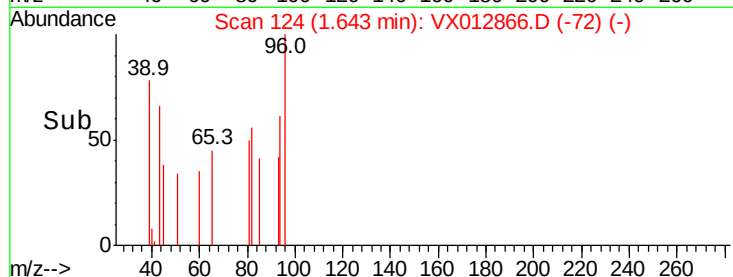
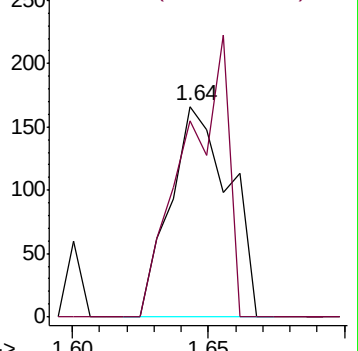
94 100

96 93.4 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 1.069 ug/l

RT: 1.78 min Scan# 146

Delta R.T. 0.07 min

Lab File: VX012866.D

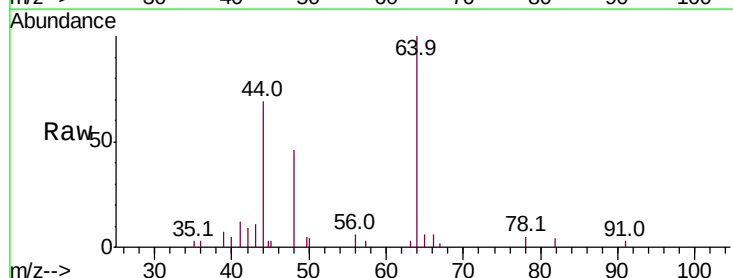
Acq: 08 Oct 2019 03:16

Tgt Ion: 64 Resp: 1684

Ion Ratio Lower Upper

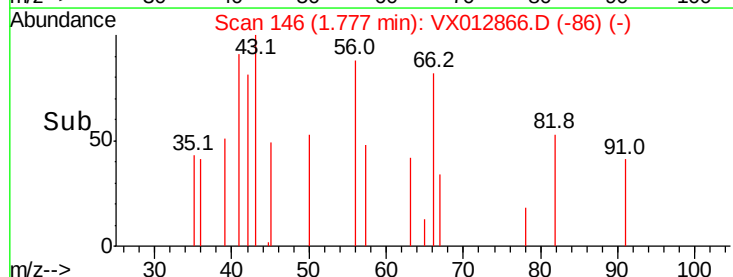
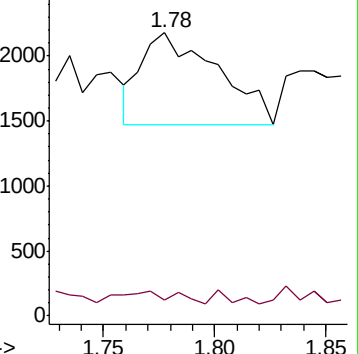
64 100

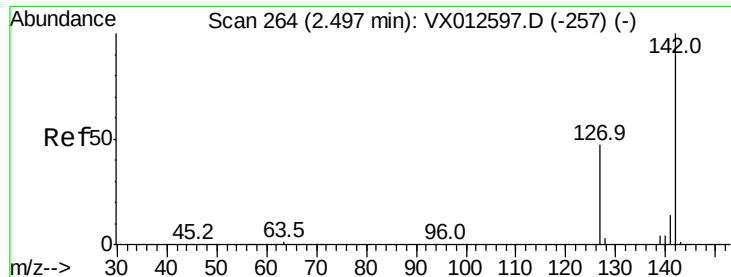
66 0.6 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

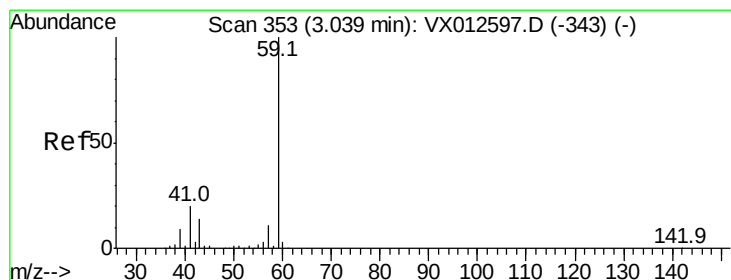
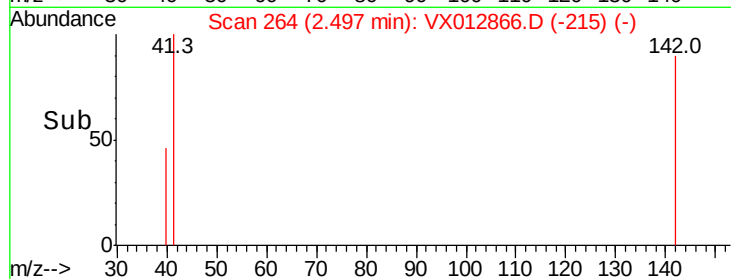
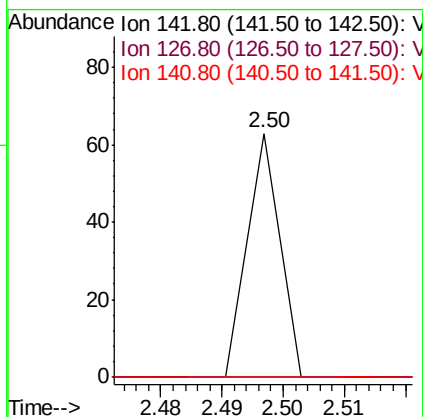
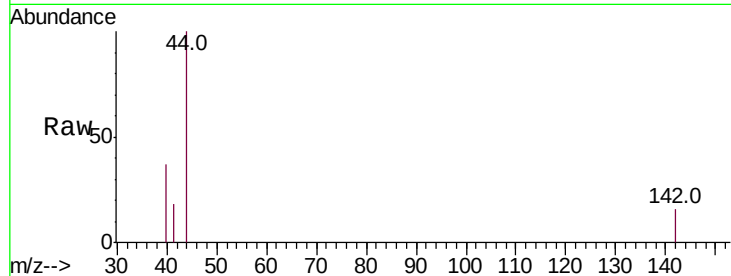




#10
Methvl Iodide
Concen: 4.963 ug/l
RT: 2.50 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX012866.D
Acq: 08 Oct 2019 03:16

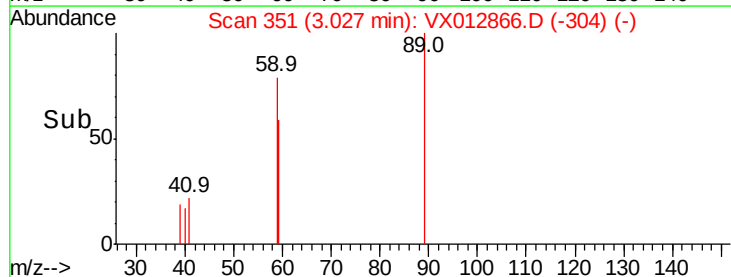
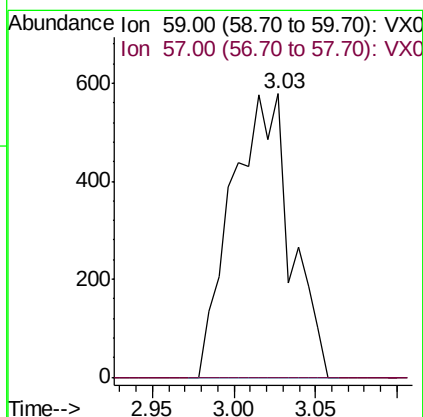
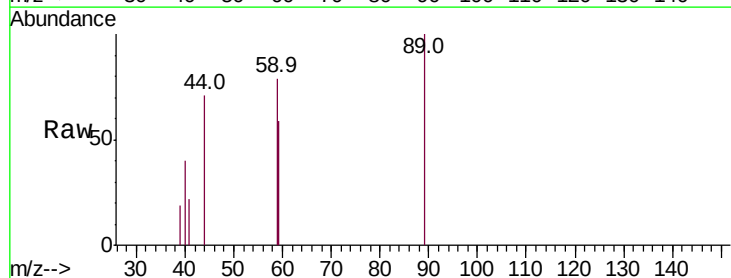
Instrument :
MSVOA_X
ClientSampled :

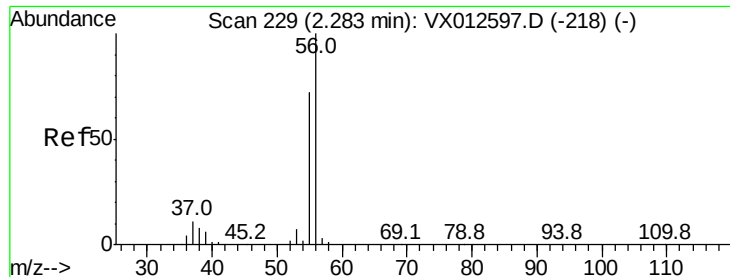
Tot Ion:142 Resp: 23
Ion Ratio Lower Upper
142 100
127 0.0 40.8 61.2#
141 0.0 12.1 18.1#



#11
Tert butyl alcohol
Concen: 2.197 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012866.D
Acq: 08 Oct 2019 03:16

Tgt Ion: 59 Resp: 1454
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: 10.457 ug/l

RT: 2.25 min Scan# 224

Delta R.T. -0.03 min

Lab File: VX012866.D

Acq: 08 Oct 2019 03:16

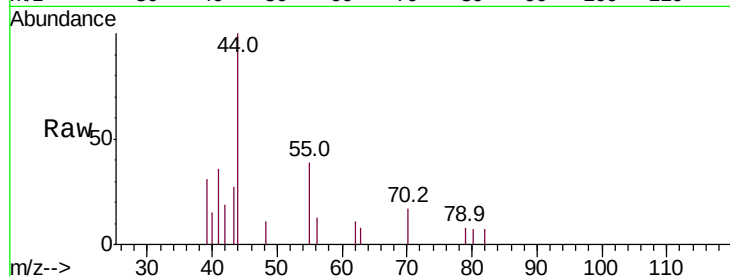
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 86

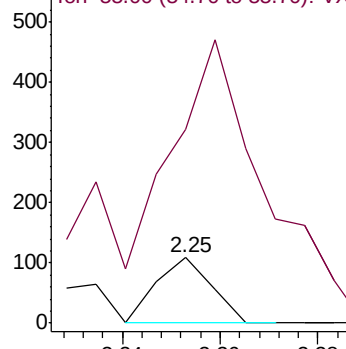
Ion Ratio Lower Upper

56 100

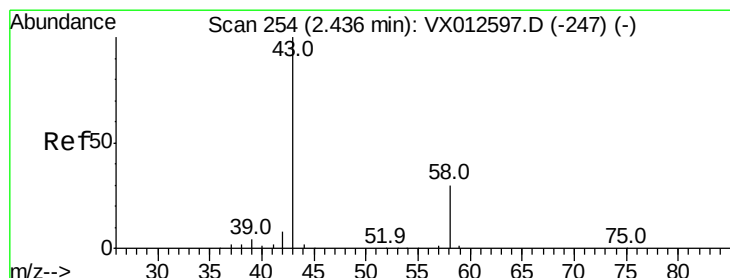
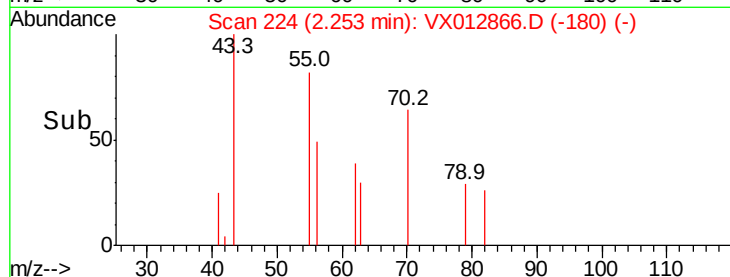
55 989.5 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 1.835 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012866.D

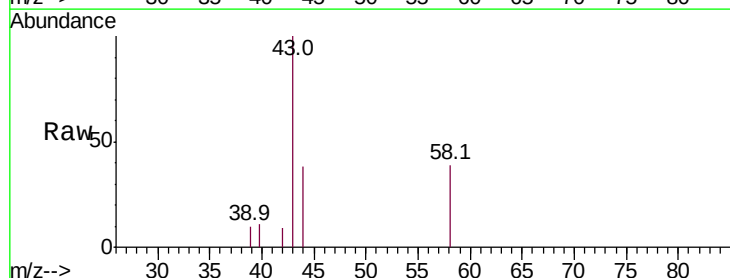
Acq: 08 Oct 2019 03:16

Tgt Ion: 43 Resp: 2575

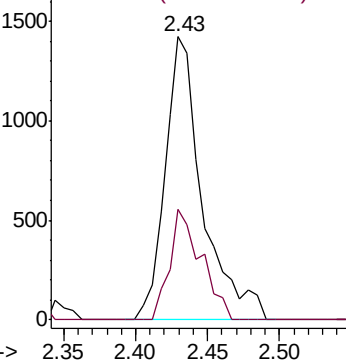
Ion Ratio Lower Upper

43 100

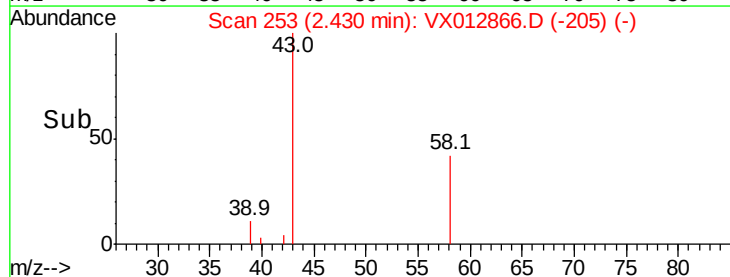
58 38.9 23.3 34.9#

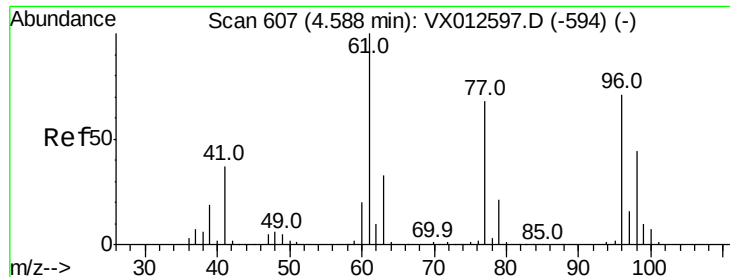


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



Time-->



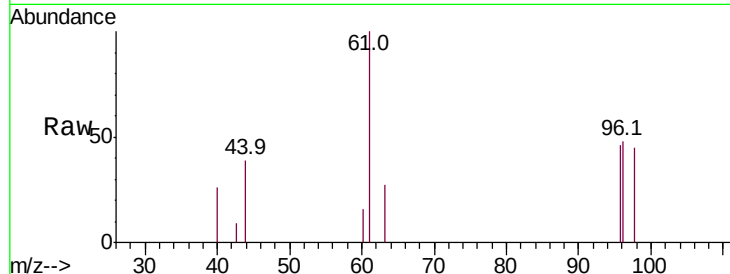


#27

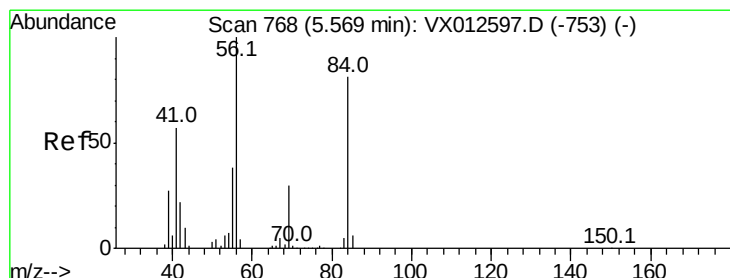
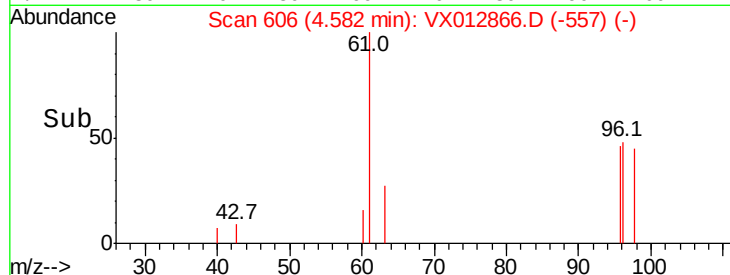
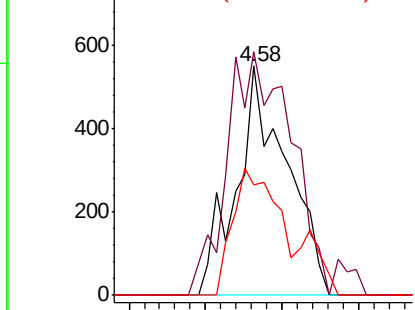
cis-1,2-Dichloroethene
Concen: 0.503 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX012866.D
Acq: 08 Oct 2019 03:16

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 96 Resp: 1264
Ion Ratio Lower Upper
96 100
61 134.8 0.0 319.4
98 52.3 0.0 130.6



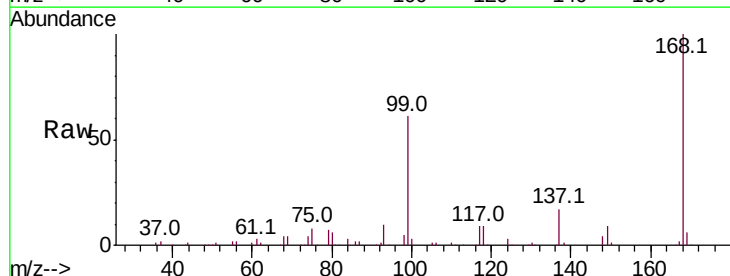
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



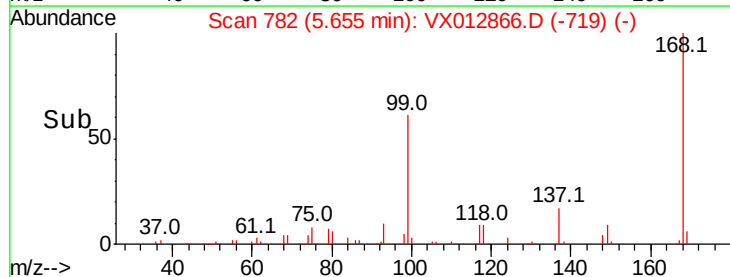
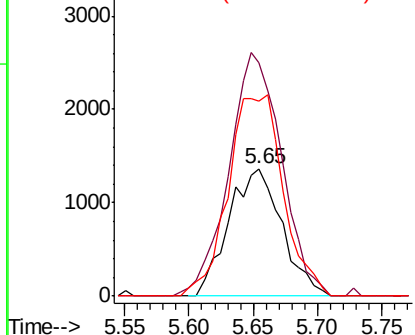
#31

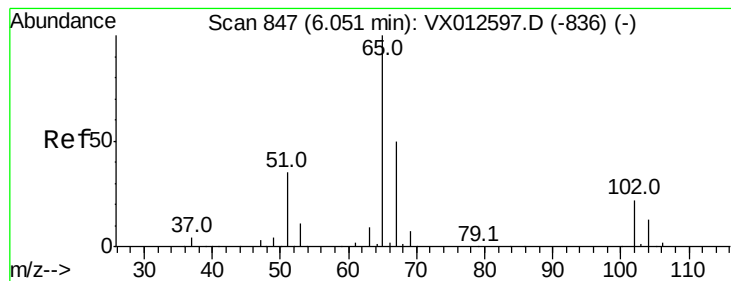
Cyclohexane
Concen: 1.064 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX012866.D
Acq: 08 Oct 2019 03:16

Tgt Ion: 56 Resp: 3923
Ion Ratio Lower Upper
56 100
69 182.5 25.0 37.6#
84 152.7 66.4 99.6#



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: 45.849 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012866.D

Acq: 08 Oct 2019 03:16

Instrument :

MSVOA_X

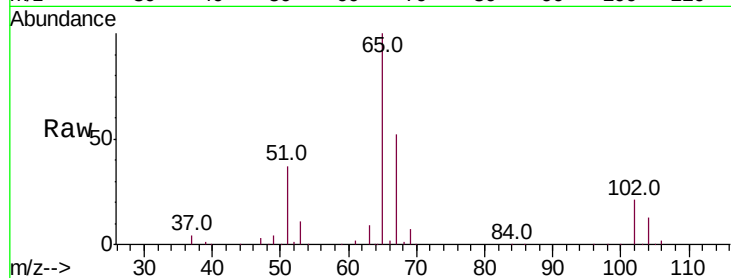
ClientSampled :

Tot Ion: 65 Resp: 121485

Ion Ratio Lower Upper

65 100

67 52.5 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

50000

40000

30000

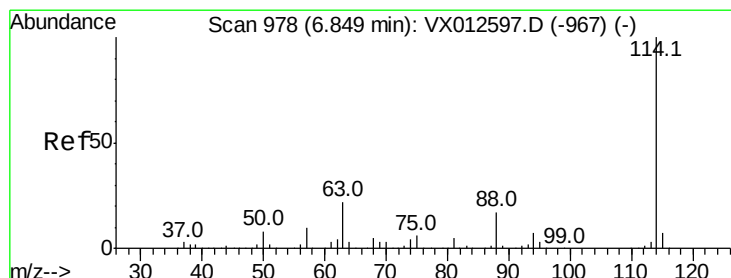
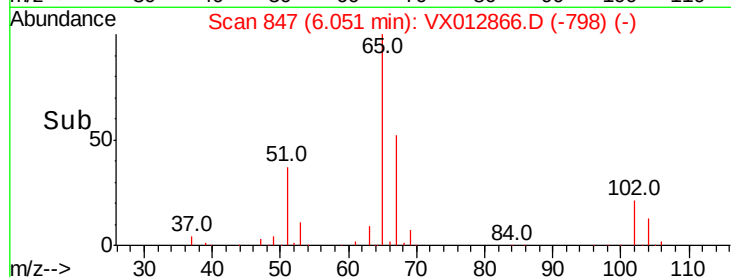
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012866.D

Acq: 08 Oct 2019 03:16

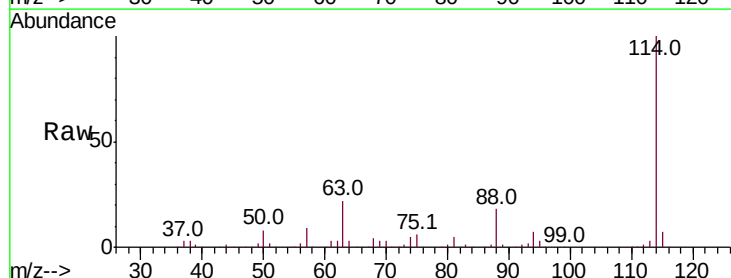
Tgt Ion:114 Resp: 309895

Ion Ratio Lower Upper

114 100

63 22.4 0.0 43.2

88 17.8 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

150000

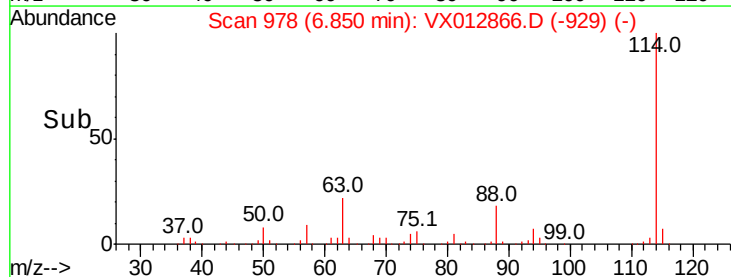
100000

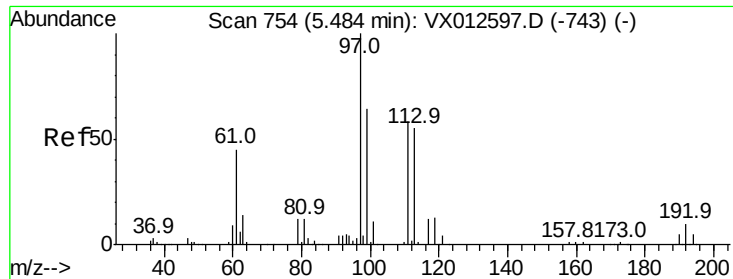
50000

0

Time-->

6.80 6.90

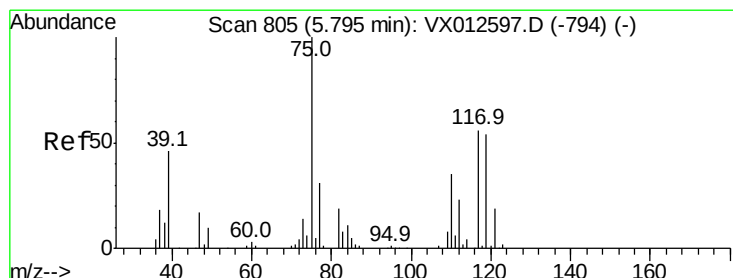
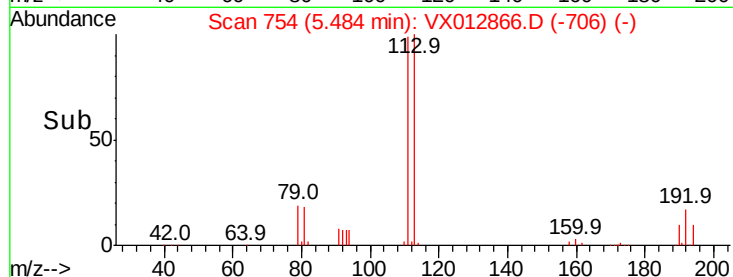
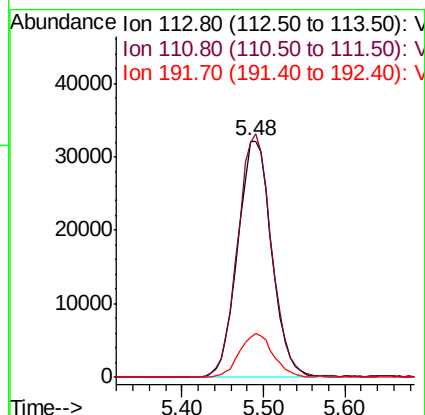
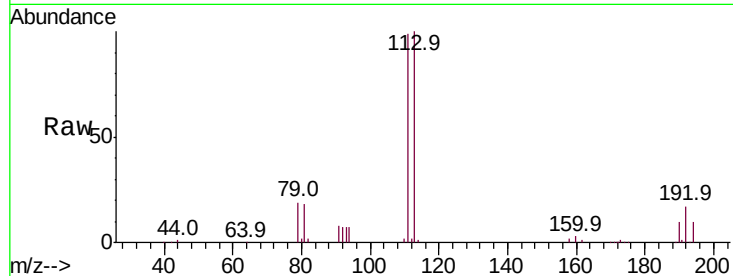




#35
 Dibromofluoromethane
 Concen: 50.437 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX012866.D
 Acq: 08 Oct 2019 03:16

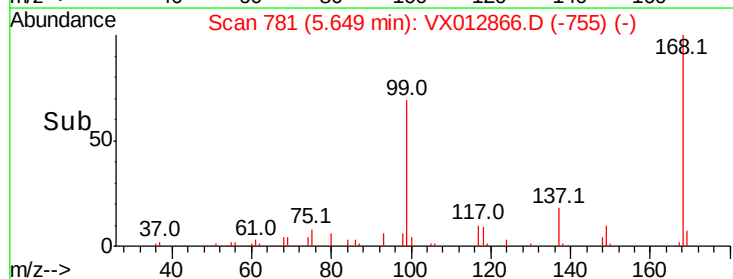
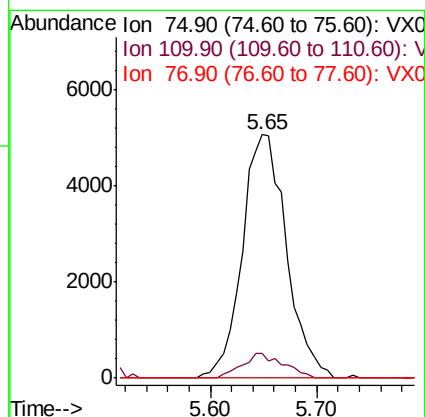
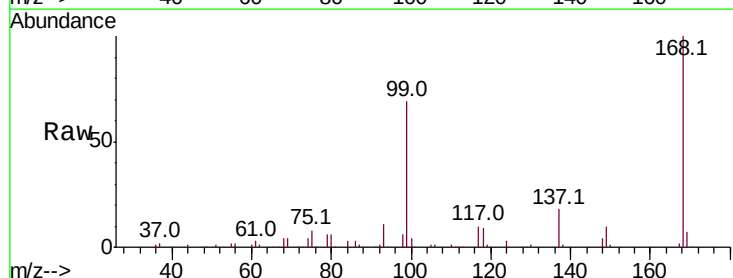
Instrument :
 MSVOA_X
 ClientSampleId :

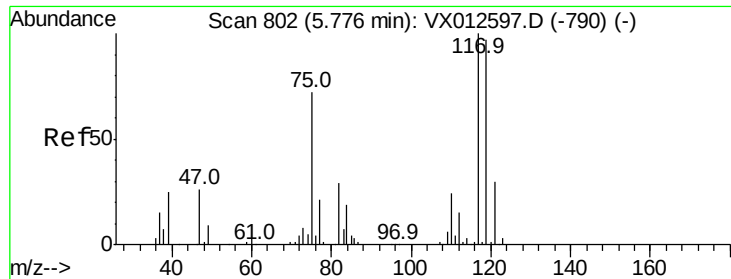
Tot Ion:113 Resp: 93084
 Ion Ratio Lower Upper
 113 100
 111 102.2 83.4 125.2
 192 18.4 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 4.924 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012866.D
 Acq: 08 Oct 2019 03:16

Tgt Ion: 75 Resp: 14708
 Ion Ratio Lower Upper
 75 100
 110 9.5 16.7 50.0#
 77 0.0 24.2 36.2#

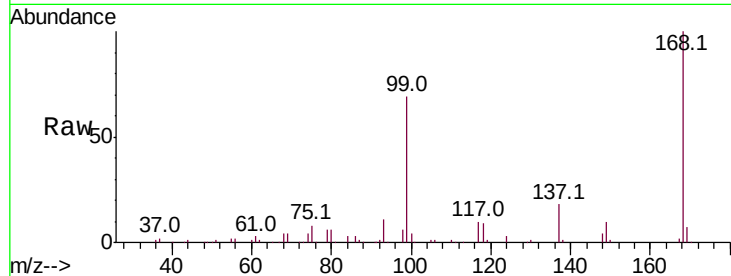




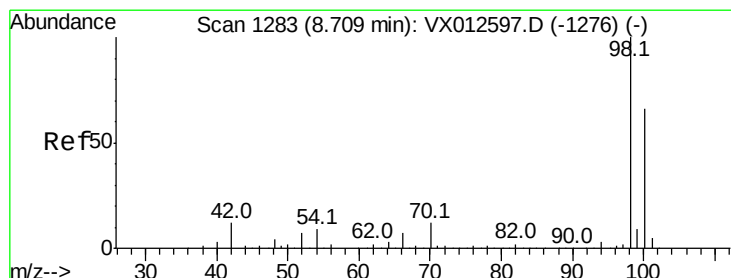
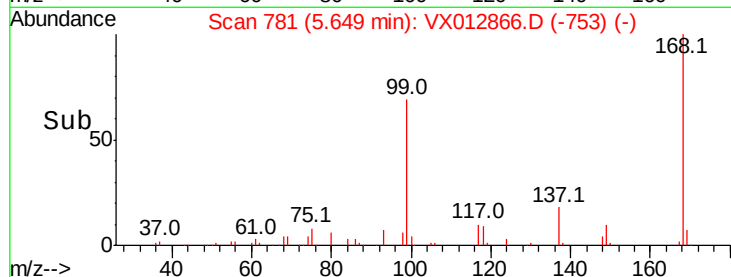
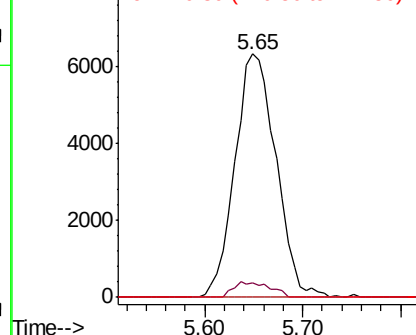
#38
Carbon Tetrachloride
Concen: 6.079 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX012866.D
Acq: 08 Oct 2019 03:16

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 18447
Ion Ratio Lower Upper
117 100
119 5.9 75.7 113.5#
121 0.0 24.2 36.4#

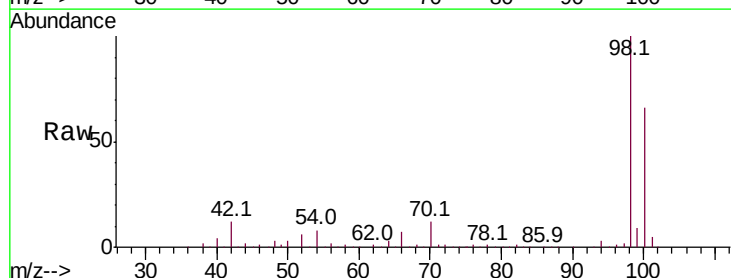


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

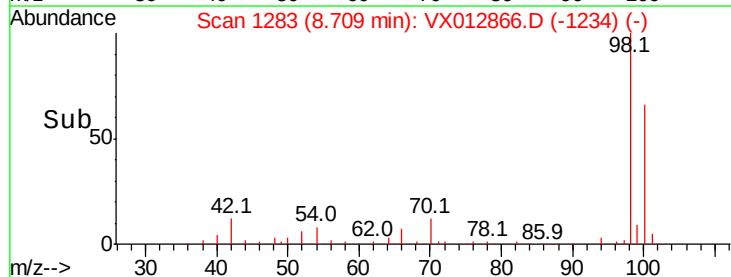
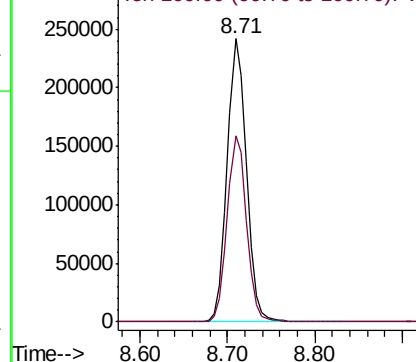


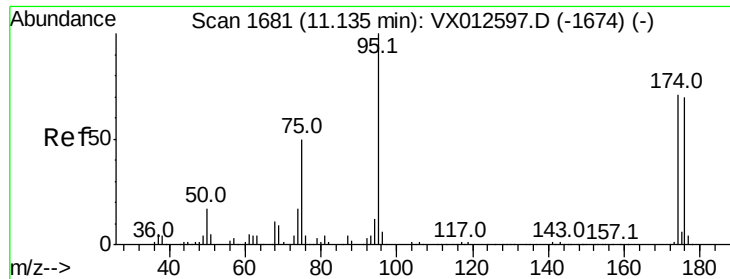
#50
Toluene-d8
Concen: 51.899 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012866.D
Acq: 08 Oct 2019 03:16

Tgt Ion: 98 Resp: 368868
Ion Ratio Lower Upper
98 100
100 66.0 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.909 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012866.D

Acq: 08 Oct 2019 03:16

Instrument :

MSVOA_X

ClientSampleId :

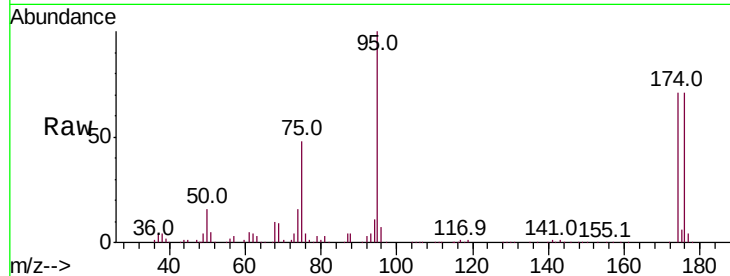
Tot Ion: 95 Resp: 128300

Ion	Ratio	Lower	Upper
95	100		
174	70.2	0.0	140.0
176	68.8	0.0	135.4

95 100

174 70.2 0.0 140.0

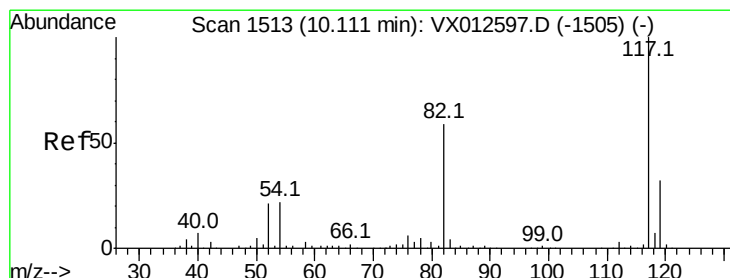
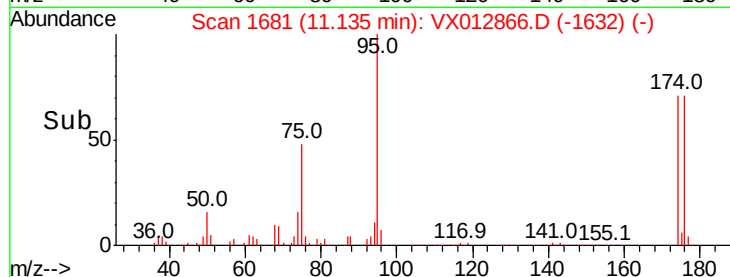
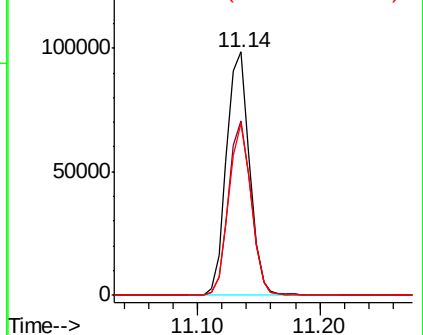
176 68.8 0.0 135.4



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: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012866.D

Acq: 08 Oct 2019 03:16

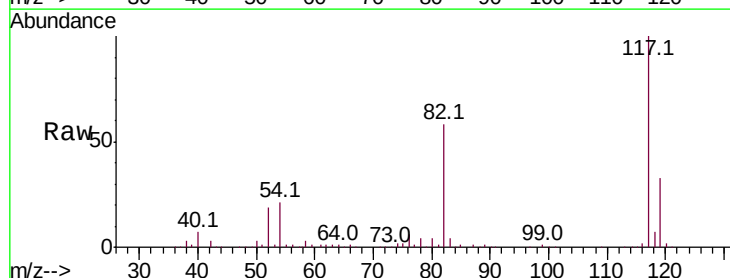
Tgt Ion: 117 Resp: 265704

Ion	Ratio	Lower	Upper
117	100		
82	58.1	45.9	68.9
119	32.7	25.3	37.9

117 100

82 58.1 45.9 68.9

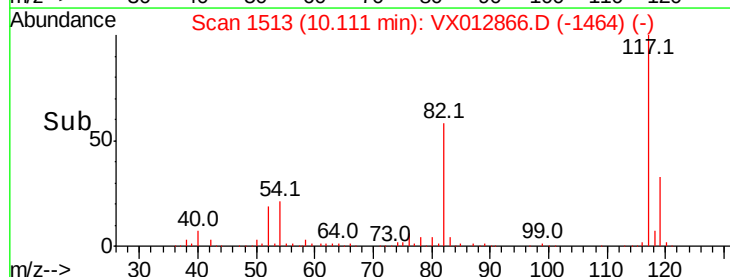
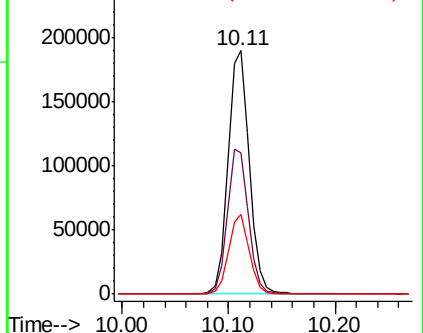
119 32.7 25.3 37.9

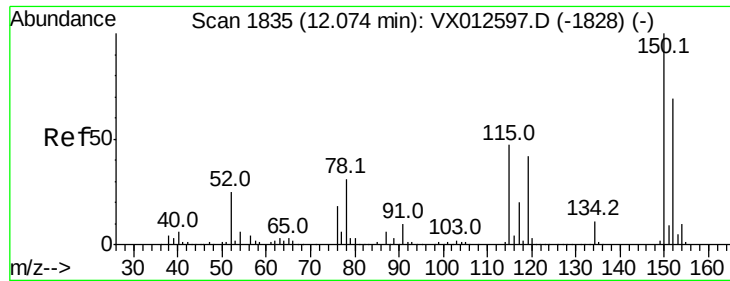


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



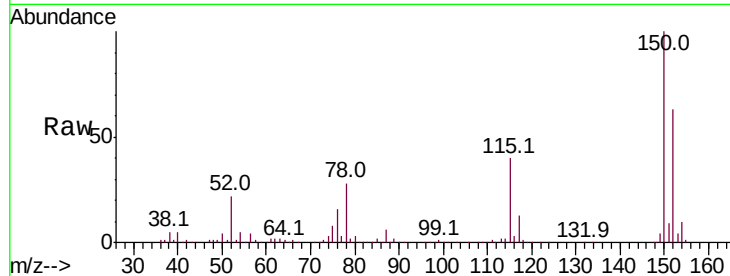


#72

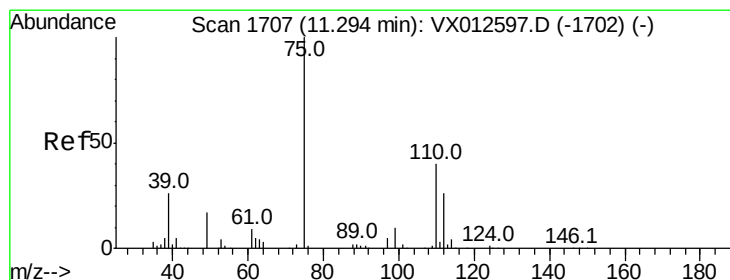
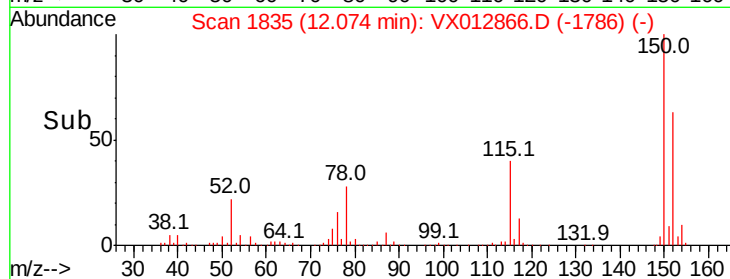
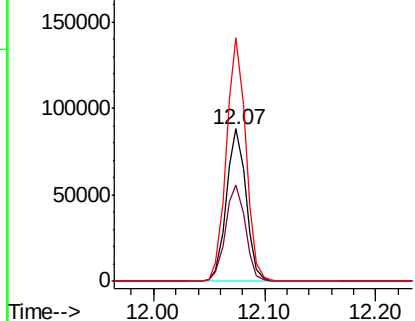
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012866.D
Acq: 08 Oct 2019 03:16

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 107456
Ion Ratio Lower Upper
152 100
115 64.3 44.1 132.3
150 157.8 0.0 343.8



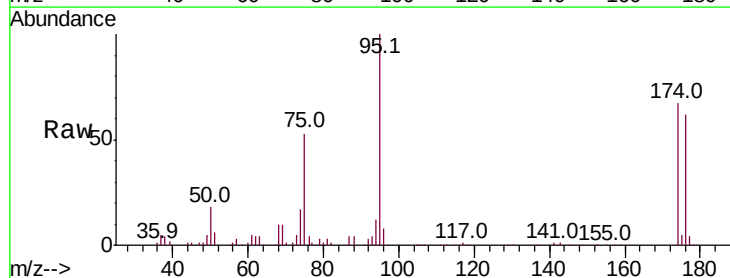
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



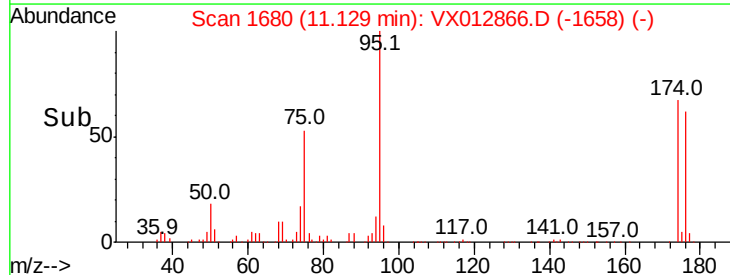
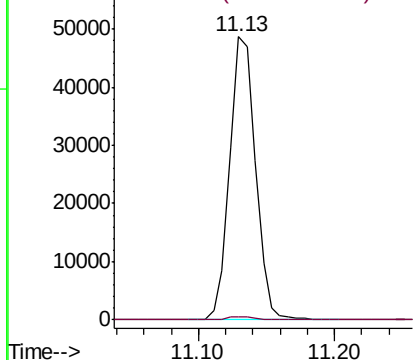
#76

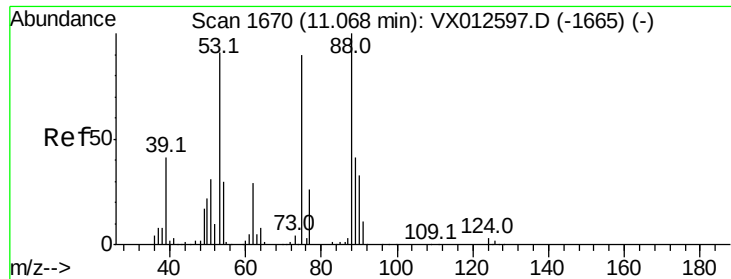
1,2,3-Trichloropropane
Concen: 22.697 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX012866.D
Acq: 08 Oct 2019 03:16

Tgt Ion: 75 Resp: 64516
Ion Ratio Lower Upper
75 100
77 1.3 19.7 59.0#



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: 65.045 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012866.D

Acq: 08 Oct 2019 03:16

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 64516

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#

