

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX103018\
 Data File : VX005692.D
 Acq On : 30 Oct 2018 15:27
 Operator : JC/MD
 Sample : PB114242ZHE#03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114242ZHE#03

Quant Time: Oct 31 01:02:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	231933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	338416	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	304789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	144509	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	141160	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
35) Dibromofluoromethane	5.50	113	112512	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	
50) Toluene-d8	8.71	98	398135	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
62) 4-Bromofluorobenzene	11.14	95	133089	42.80	ug/l	0.00
Spiked Amount			Recovery	=	85.60%	

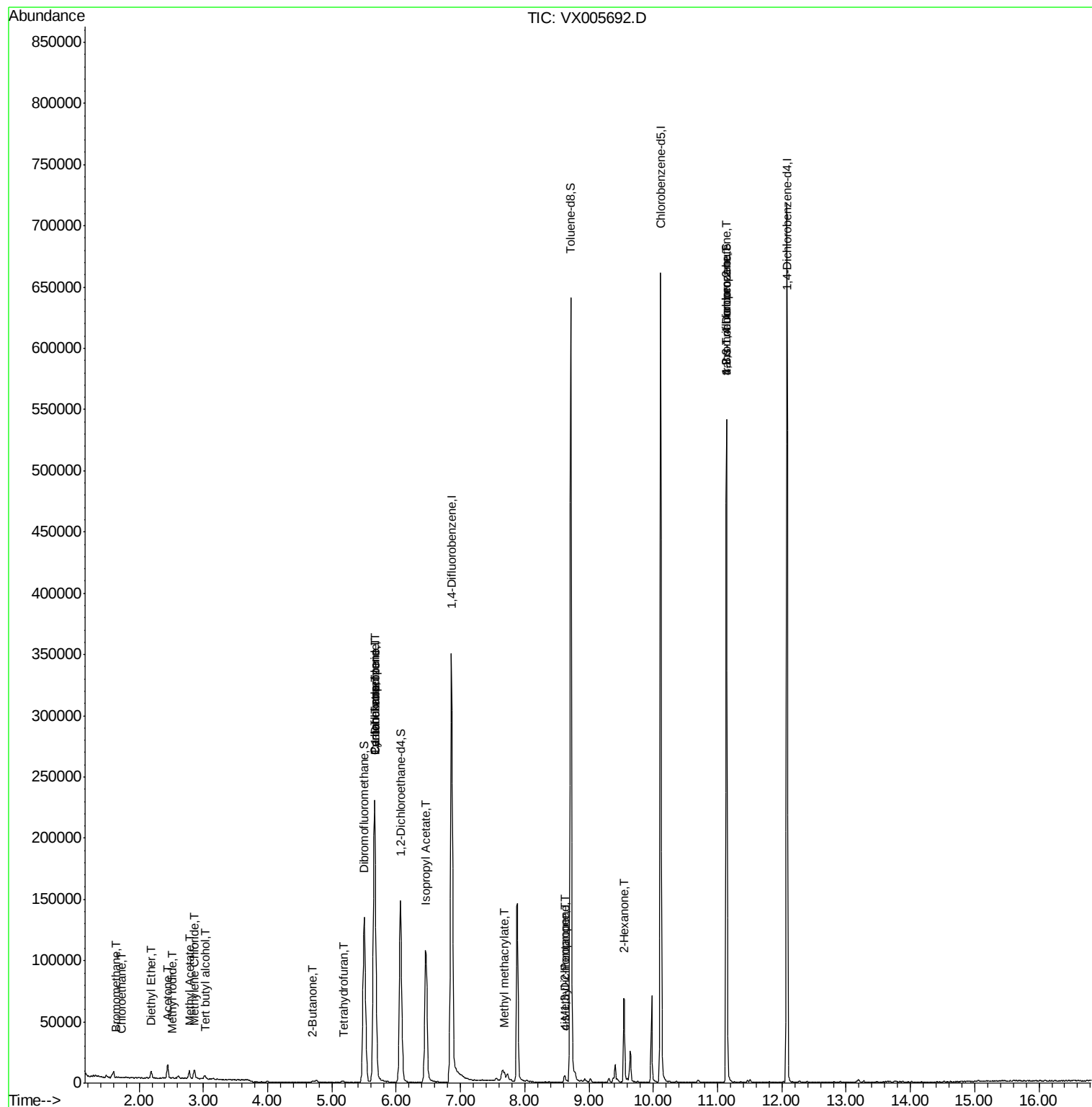
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	461	0.258	ug/l	96
6) Chloroethane	1.71	64	478	0.261	ug/l #	42
8) Diethyl Ether	2.19	74	2146	1.350	ug/l	93
10) Methyl Iodide	2.51	142	305	2.846	ug/l #	86
11) Tert butyl alcohol	3.03	59	1816	2.384	ug/l #	72
16) Acetone	2.45	43	11979	8.007	ug/l	95
18) Methyl Acetate	2.78	43	7248	0.514	ug/l	97
20) Methylene Chloride	2.86	84	3248	1.296	ug/l	93
25) 2-Butanone	4.71	43	1754	0.770	ug/l	97
29) Tetrahydrofuran	5.18	42	979	0.660	ug/l	95
31) Cyclohexane	5.66	56	4399	1.152	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16106	4.904	ug/l #	50
38) Carbon Tetrachloride	5.66	117	21164	6.119	ug/l #	16
43) Isopropyl Acetate	6.46	43	152714	24.317	ug/l	99
48) Methyl methacrylate	7.68	41	5862	1.916	ug/l #	26
51) 4-Methyl-2-Pentanone	8.62	43	2455	0.582	ug/l #	54
54) cis-1,3-Dichloropropene	8.62	75	925	0.251	ug/l #	56
59) 2-Hexanone	9.54	43	7799	2.344	ug/l	64
76) 1,2,3-Trichloropropane	11.14	75	66586	21.747	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	66586	71.060	ug/l #	9

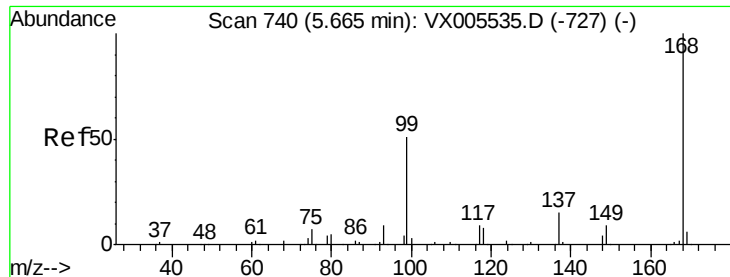
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 31 01:02:50 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 25 02:52:45 2018
Response via : Initial Calibration

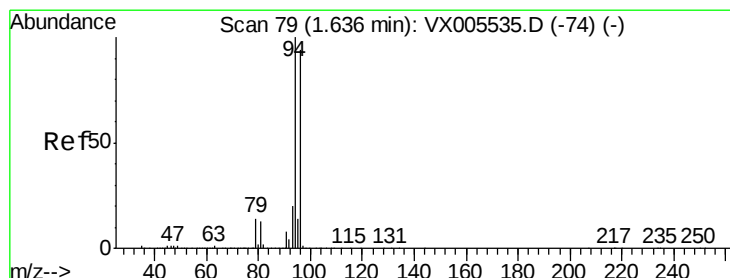
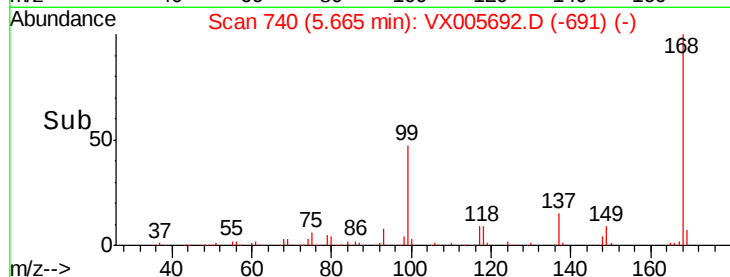
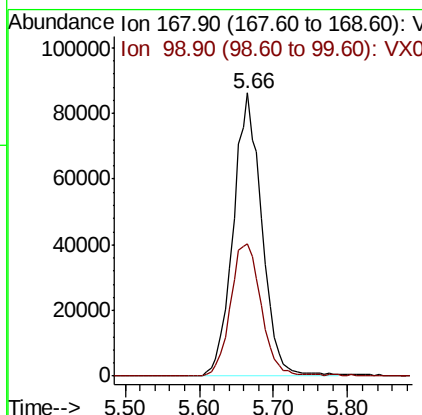
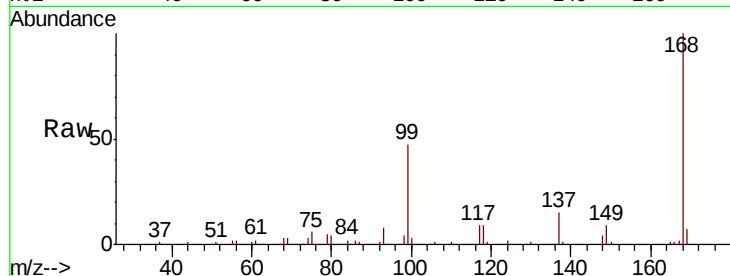




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 740
Delta R.T. -0.00 min
Lab File: VX005692.D
Acq: 30 Oct 2018 15:27

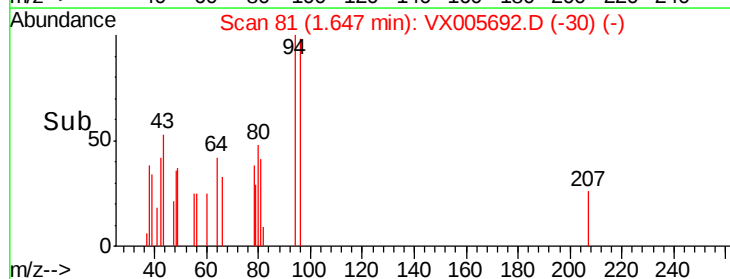
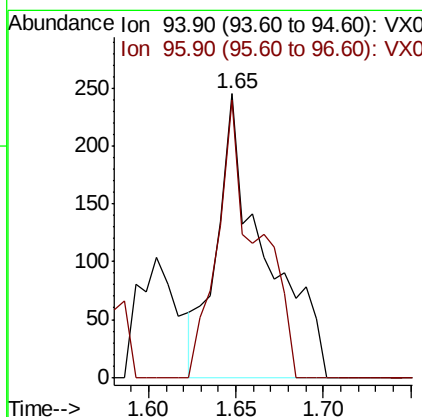
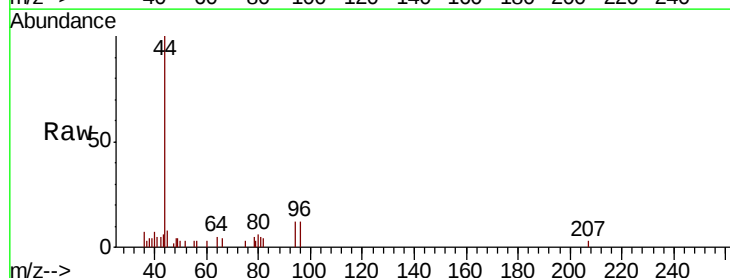
Instrument :
MSVOA_X
ClientSampleId :
PB114242ZHE#03

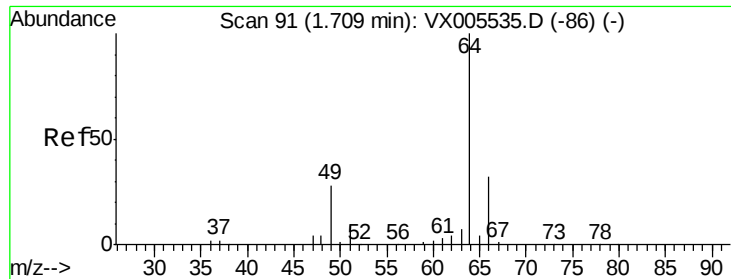
Tot Ion:168 Resp: 231933
Ion Ratio Lower Upper
168 100
99 46.9 40.7 61.1



#5
Bromomethane
Concen: 0.258 ug/l
RT: 1.65 min Scan# 81
Delta R.T. 0.01 min
Lab File: VX005692.D
Acq: 30 Oct 2018 15:27

Tgt Ion: 94 Resp: 461
Ion Ratio Lower Upper
94 100
96 98.0 75.2 112.8





#6

Chloroethane

Concen: 0.261 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005692.D

Acq: 30 Oct 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

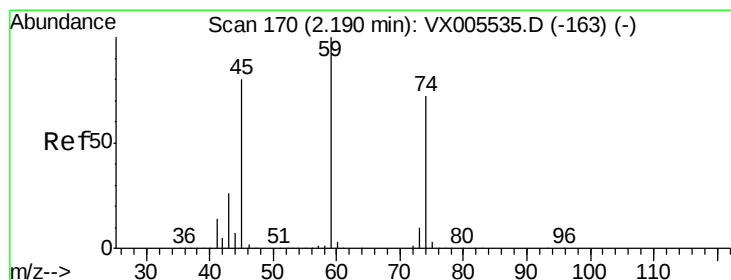
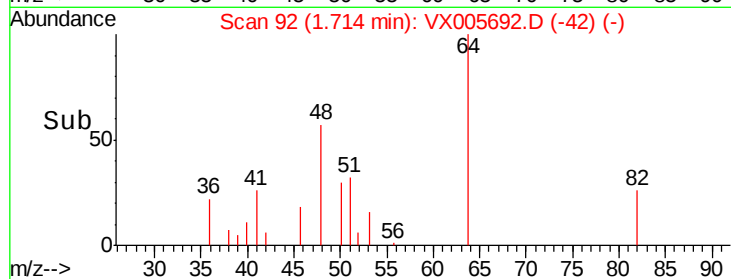
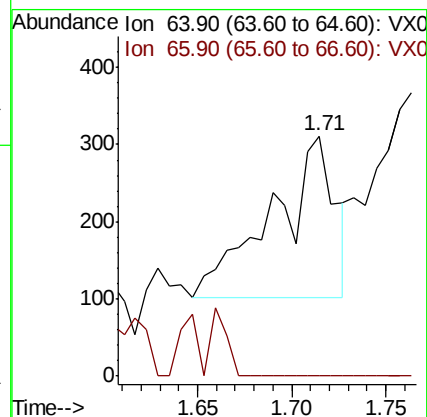
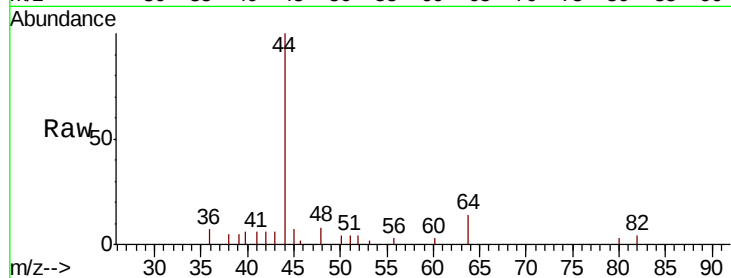
PB114242ZHE#03

Tot Ion: 64 Resp: 478

Ion Ratio Lower Upper

64 100

66 0.0 25.8 38.6#



#8

Diethyl Ether

Concen: 1.350 ug/l

RT: 2.19 min Scan# 170

Delta R.T. -0.00 min

Lab File: VX005692.D

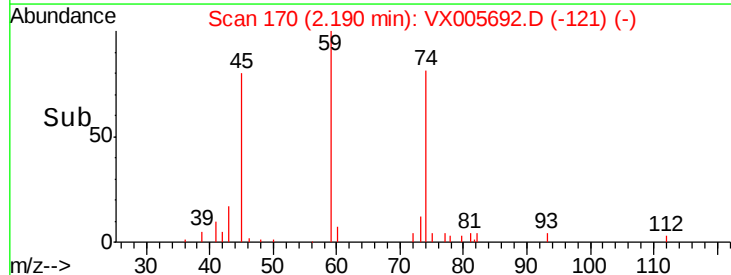
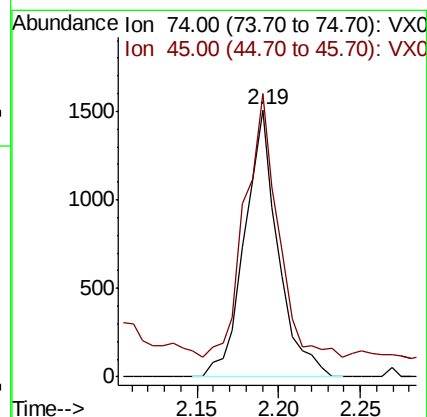
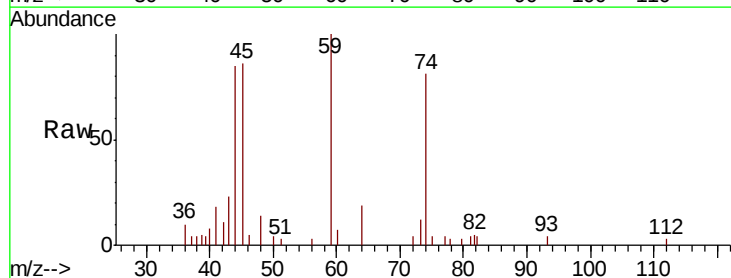
Acq: 30 Oct 2018 15:27

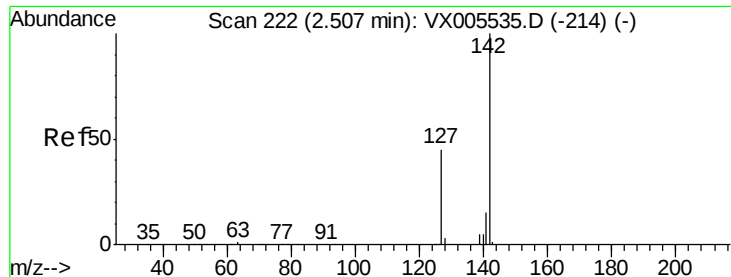
Tgt Ion: 74 Resp: 2146

Ion Ratio Lower Upper

74 100

45 100.4 54.1 162.3

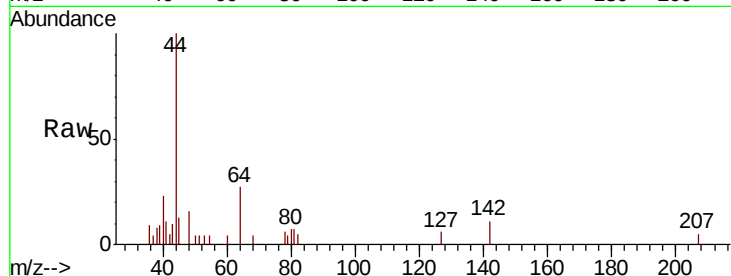




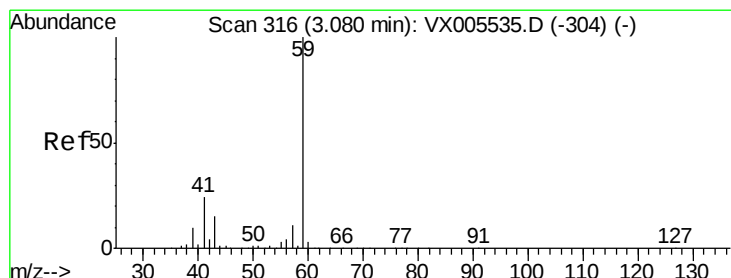
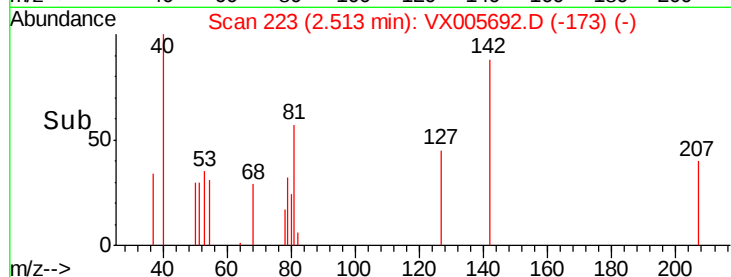
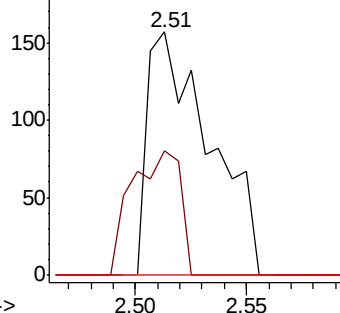
#10
Methyl Iodide
Concen: 2.846 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX005692.D
Acq: 30 Oct 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :
PB114242ZHE#03

Tot Ion:142 Resp: 305
Ion Ratio Lower Upper
142 100
127 40.0 36.0 54.0
141 0.0 11.7 17.5#

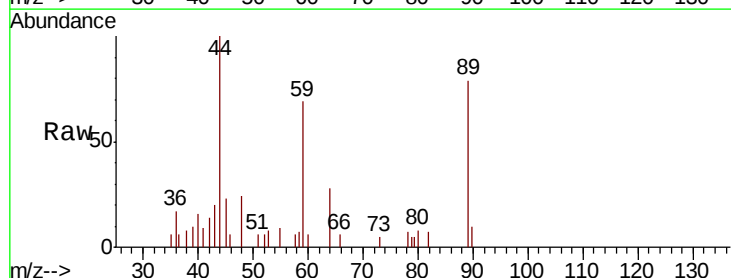


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

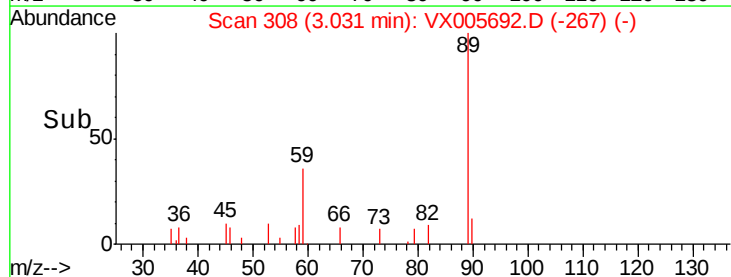
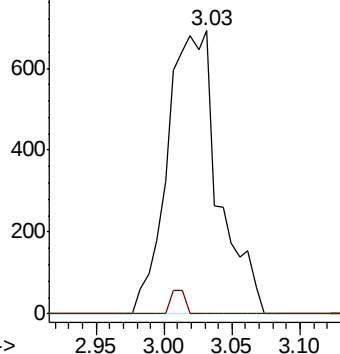


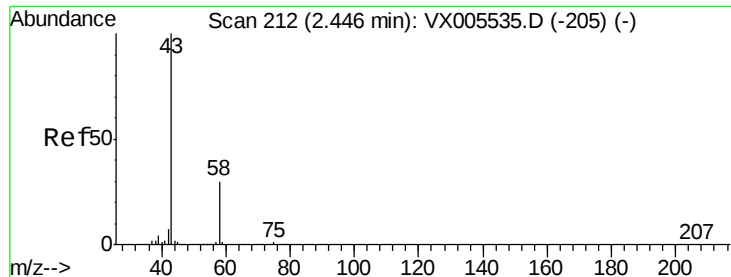
#11
Tert butyl alcohol
Concen: 2.384 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.05 min
Lab File: VX005692.D
Acq: 30 Oct 2018 15:27

Tgt Ion: 59 Resp: 1816
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 8.007 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005692.D

Acq: 30 Oct 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

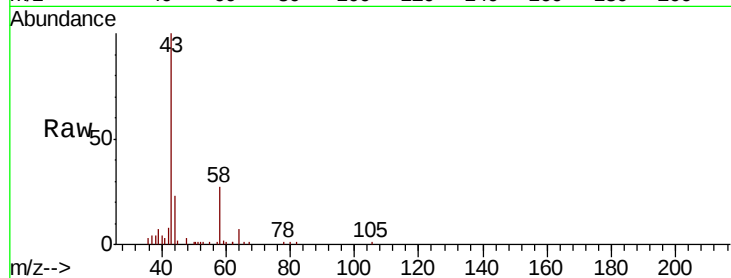
PB114242ZHE#03

Tot Ion: 43 Resp: 11979

Ion Ratio Lower Upper

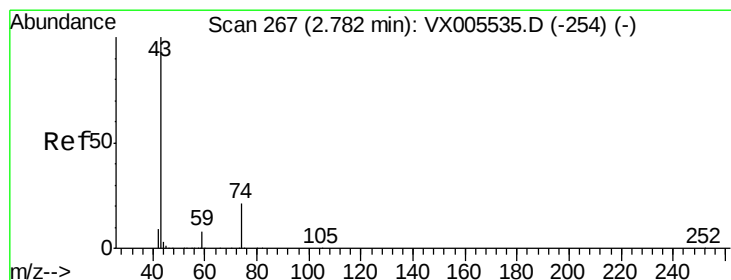
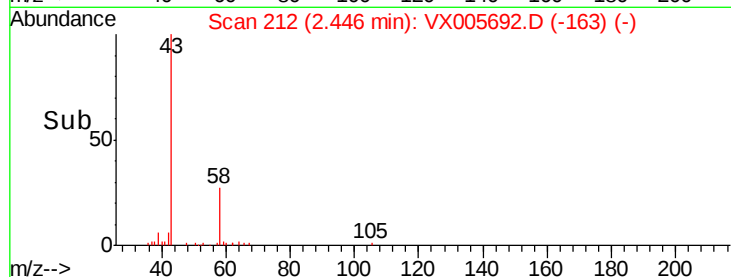
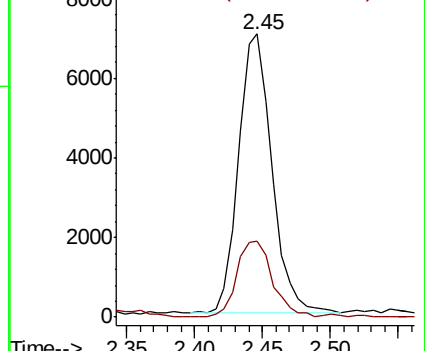
43 100

58 27.3 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.514 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005692.D

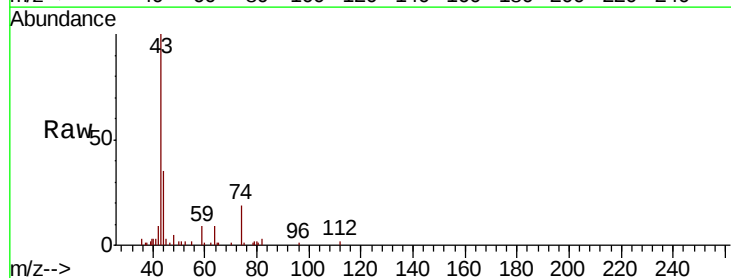
Acq: 30 Oct 2018 15:27

Tgt Ion: 43 Resp: 7248

Ion Ratio Lower Upper

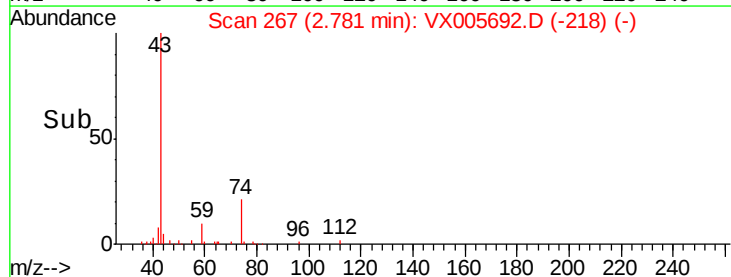
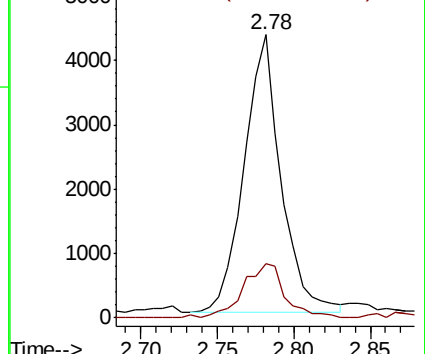
43 100

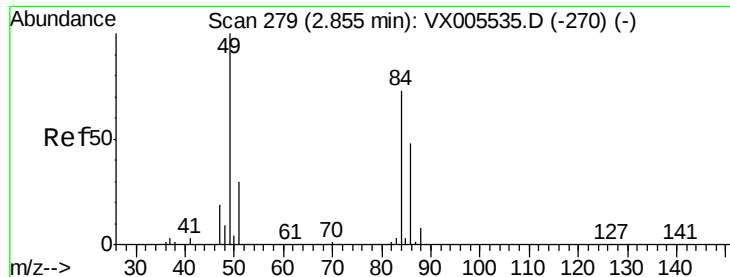
74 22.3 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

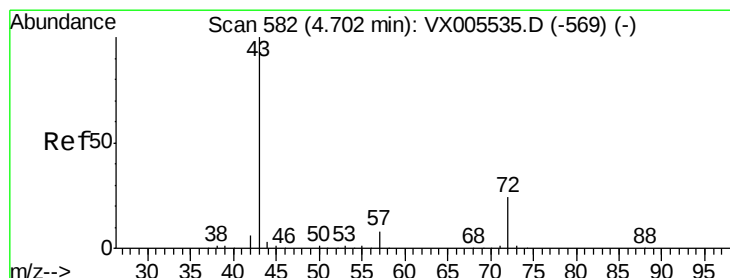
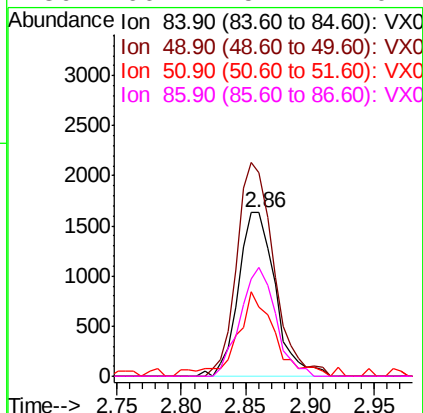
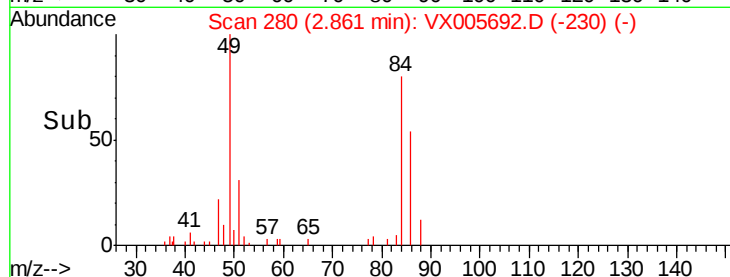
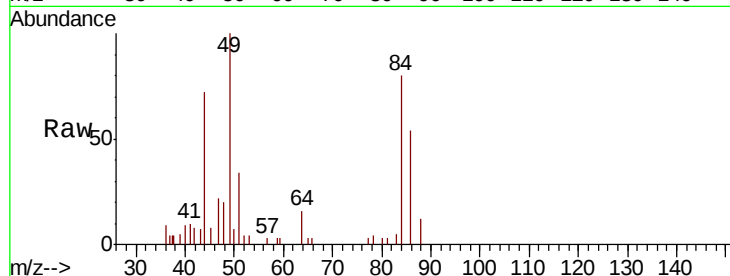




#20
Methvlene Chloride
Concen: 1.296 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005692.D
Acq: 30 Oct 2018 15:27

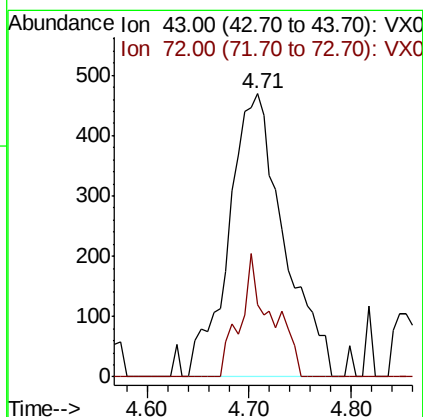
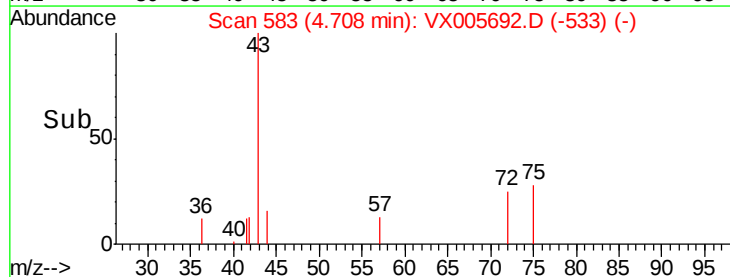
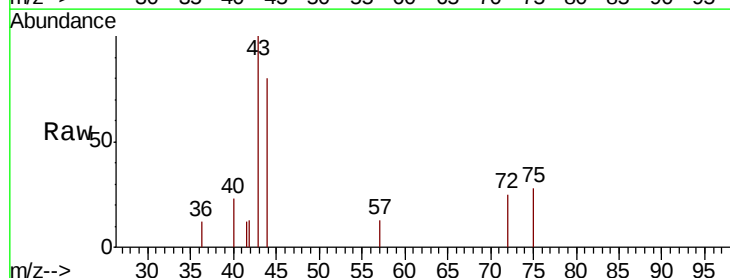
Instrument :
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ClientSampleId :
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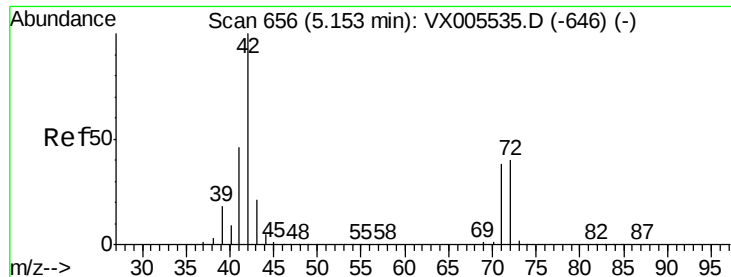
Tot Ion:	84	Resp:	3248
Ion	Ratio	Lower	Upper
84	100		
49	124.6	109.5	164.3
51	38.1	33.3	49.9
86	66.7	52.7	79.1



#25
2-Butanone
Concen: 0.770 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX005692.D
Acq: 30 Oct 2018 15:27

Tgt Ion:	43	Resp:	1754
Ion	Ratio	Lower	Upper
43	100		
72	25.4	19.2	28.8





#29

Tetrahydrofuran

Concen: 0.660 ug/l

RT: 5.18 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX005692.D

Acq: 30 Oct 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

PB114242ZHE#03

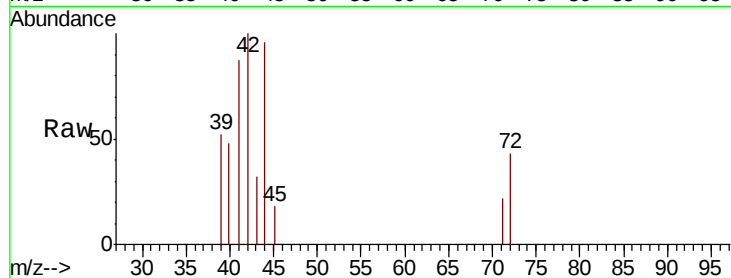
Tot Ion: 42 Resp: 979

Ion Ratio Lower Upper

42 100

72 38.4 32.0 48.0

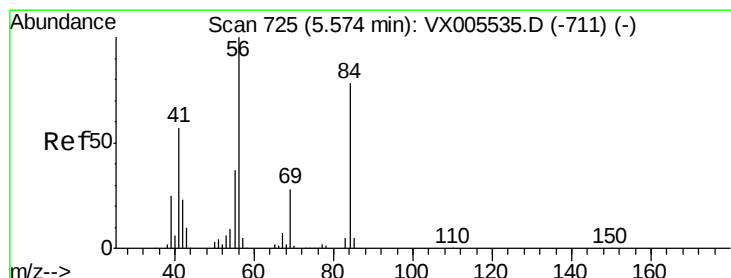
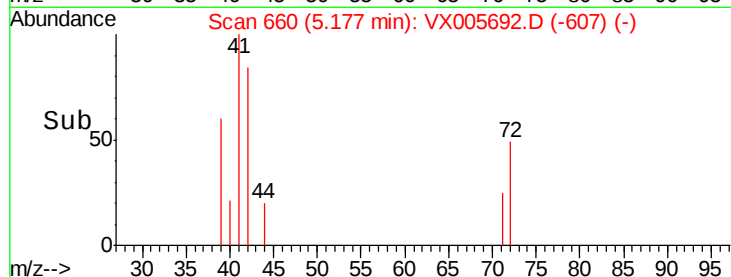
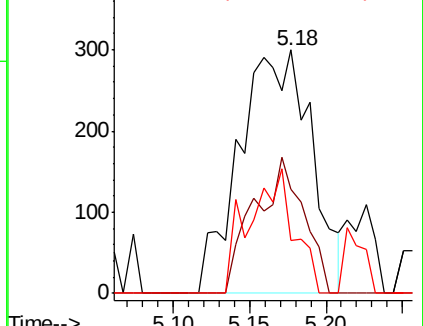
71 32.2 29.8 44.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.152 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX005692.D

Acq: 30 Oct 2018 15:27

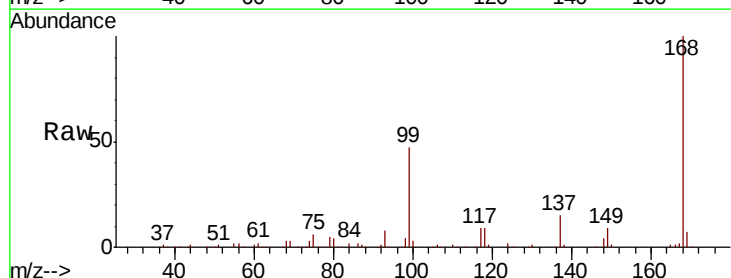
Tgt Ion: 56 Resp: 4399

Ion Ratio Lower Upper

56 100

69 182.7 22.6 34.0#

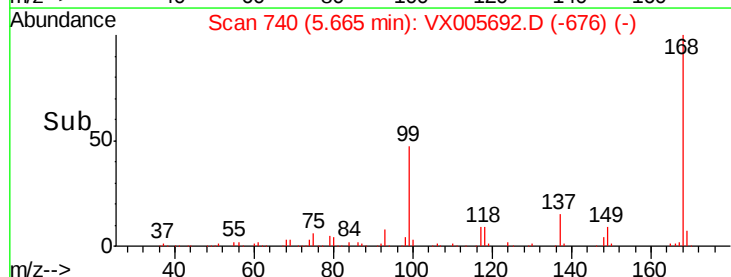
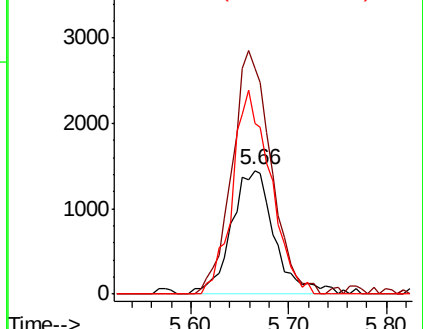
84 137.6 62.7 94.1#

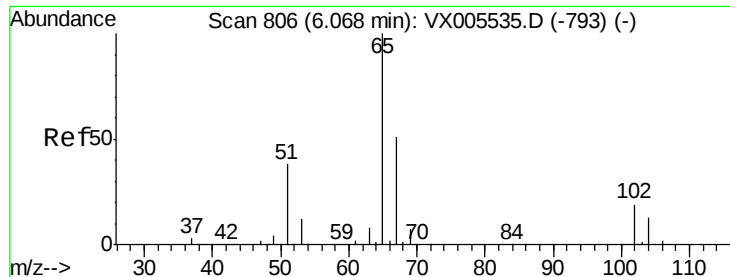


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.859 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005692.D

Acq: 30 Oct 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

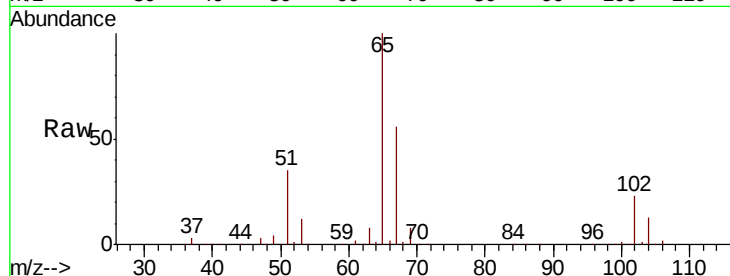
PB114242ZHE#03

Tot Ion: 65 Resp: 141160

Ion Ratio Lower Upper

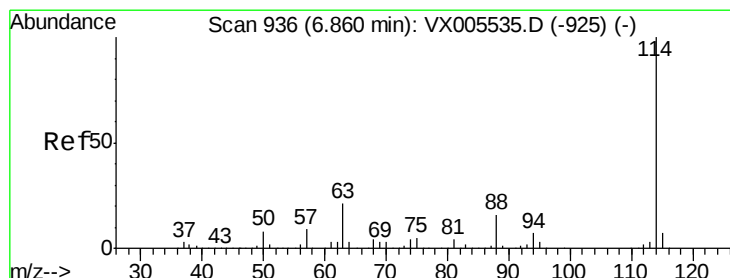
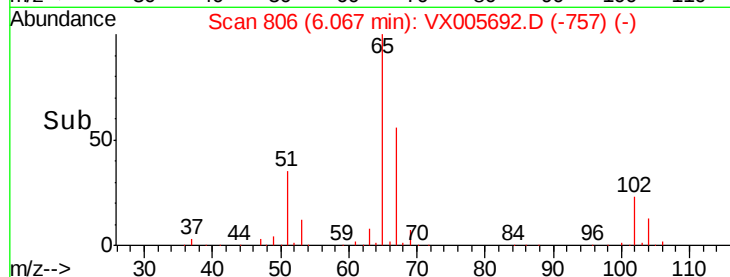
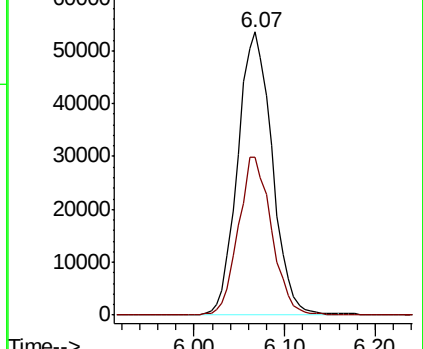
65 100

67 54.3 0.0 105.0



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: VX005692.D

Acq: 30 Oct 2018 15:27

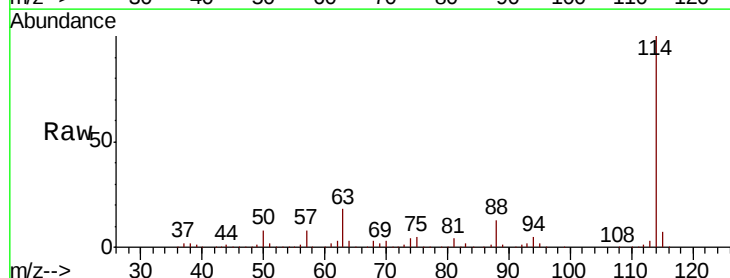
Tgt Ion: 114 Resp: 338416

Ion Ratio Lower Upper

114 100

63 17.9 0.0 42.8

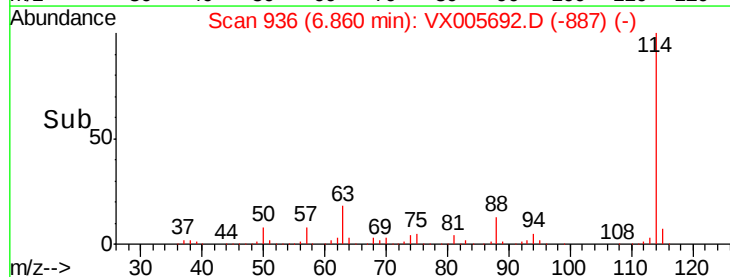
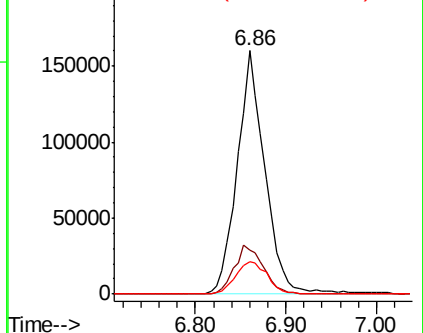
88 13.4 0.0 31.2

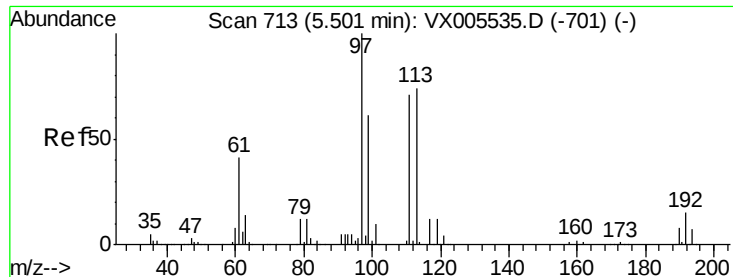


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.100 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005692.D

Acq: 30 Oct 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

PB114242ZHE#03

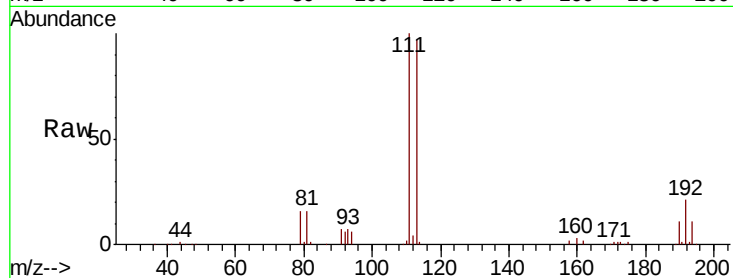
Tot Ion:113 Resp: 112512

Ion Ratio Lower Upper

113 100

111 103.7 82.3 123.5

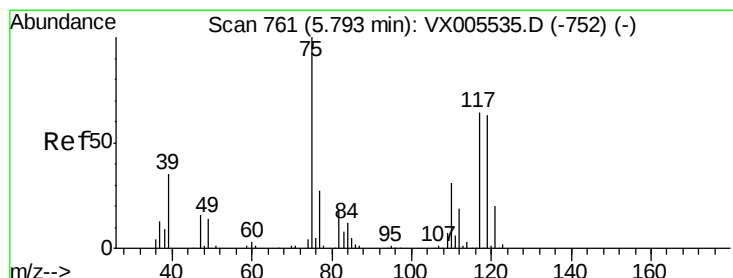
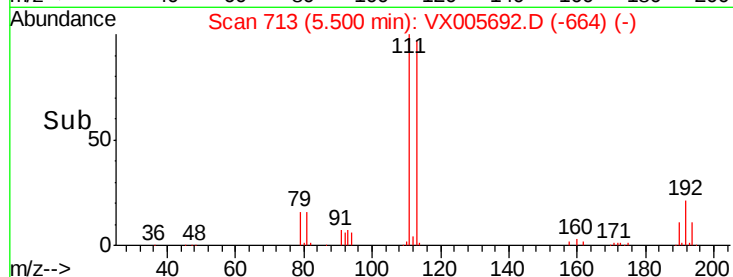
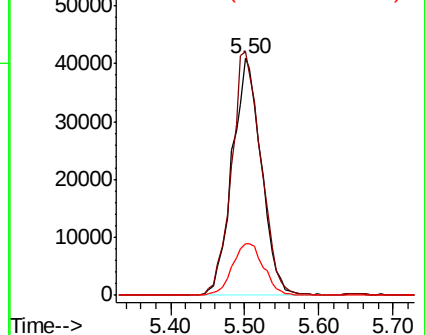
192 23.4 17.9 26.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.904 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX005692.D

Acq: 30 Oct 2018 15:27

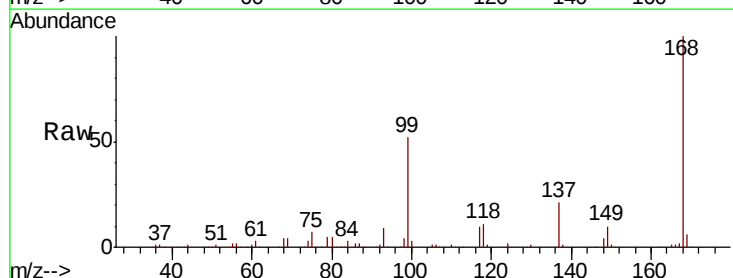
Tgt Ion: 75 Resp: 16106

Ion Ratio Lower Upper

75 100

110 9.5 17.4 52.2#

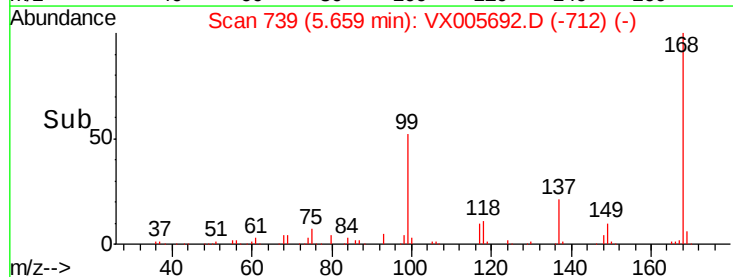
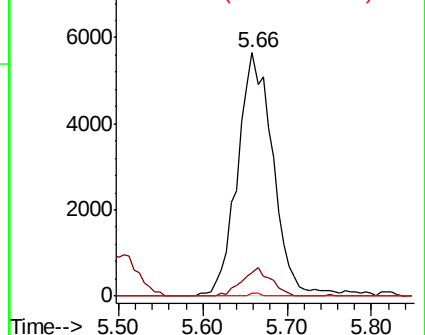
77 0.3 25.8 38.6#

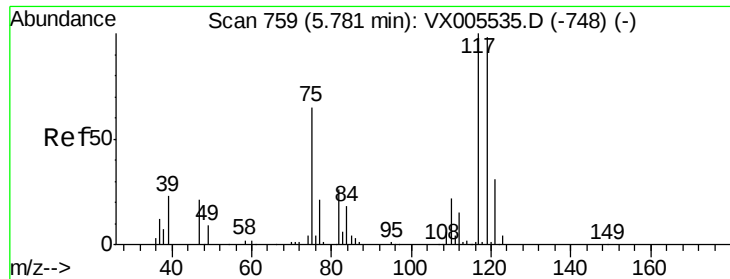


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

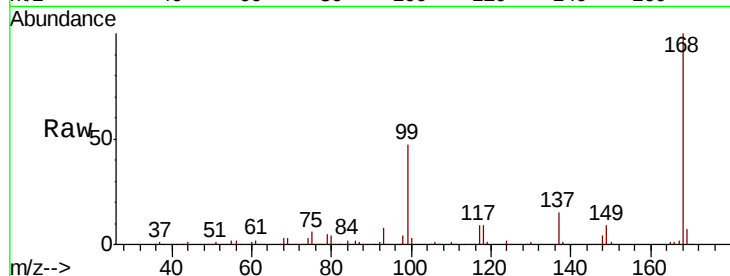




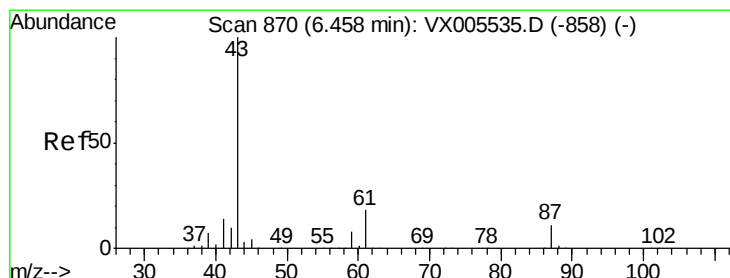
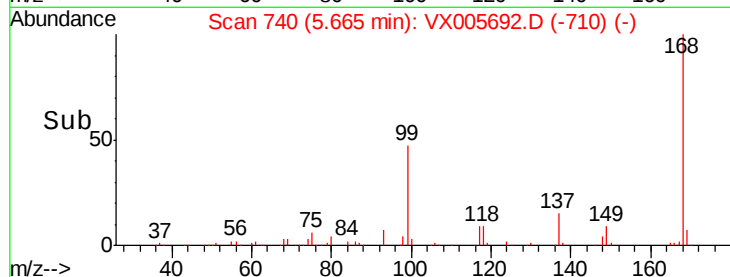
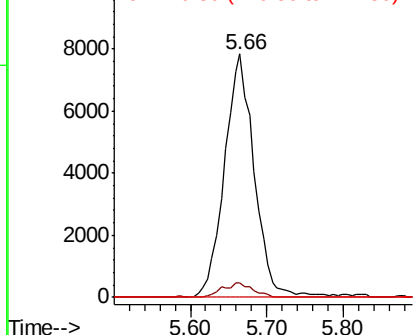
#38
Carbon Tetrachloride
Concen: 6.119 ug/l
RT: 5.66 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX005692.D
Acq: 30 Oct 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :
PB114242ZHE#03

Tot Ion:117 Resp: 21164
Ion Ratio Lower Upper
117 100
119 5.9 78.1 117.1#
121 0.0 24.6 36.8#

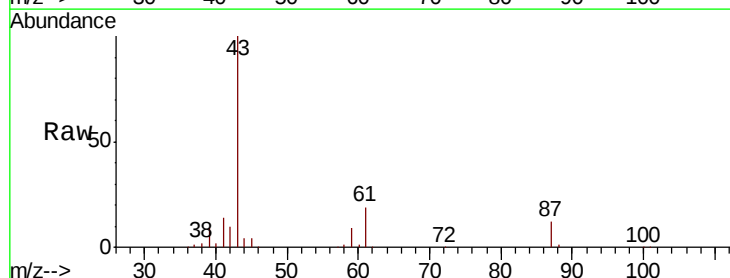


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

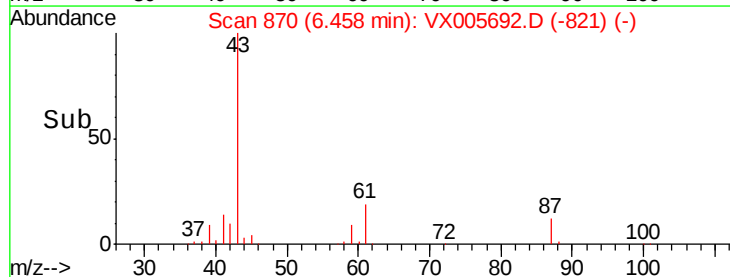
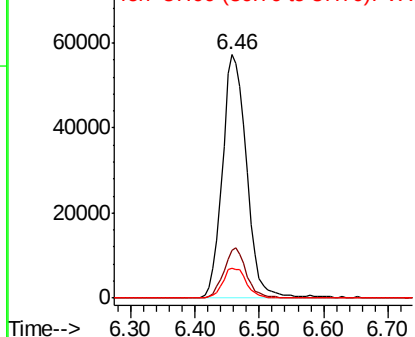


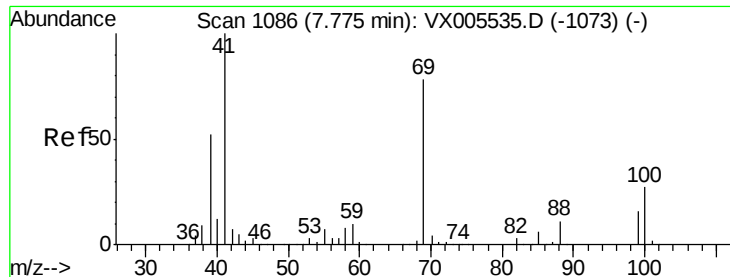
#43
Isopropyl Acetate
Concen: 24.317 ug/l
RT: 6.46 min Scan# 870
Delta R.T. -0.00 min
Lab File: VX005692.D
Acq: 30 Oct 2018 15:27

Tgt Ion: 43 Resp: 152714
Ion Ratio Lower Upper
43 100
61 18.9 14.6 22.0
87 12.1 9.6 14.4



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: 1.916 ug/l

RT: 7.68 min Scan# 1071

Delta R.T. -0.09 min

Lab File: VX005692.D

Acq: 30 Oct 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

PB114242ZHE#03

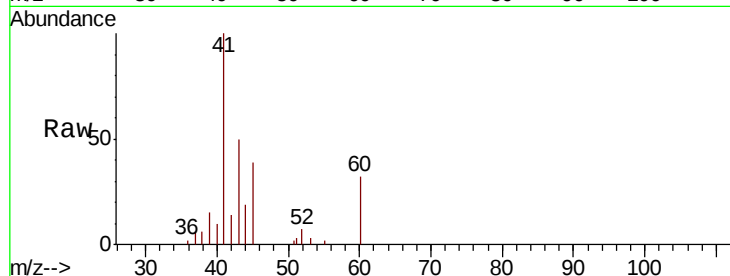
Tot Ion: 41 Resp: 5862

Ion Ratio Lower Upper

41 100

69 0.0 63.2 94.8#

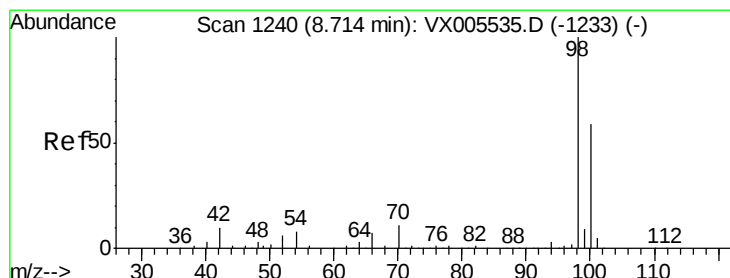
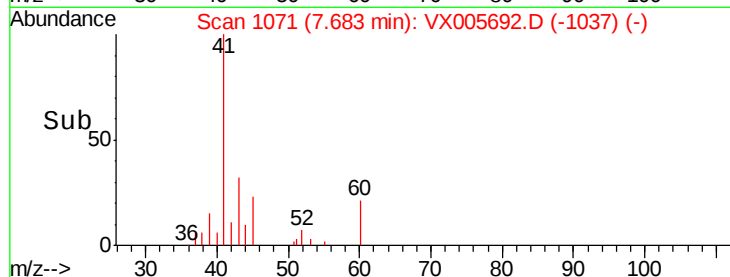
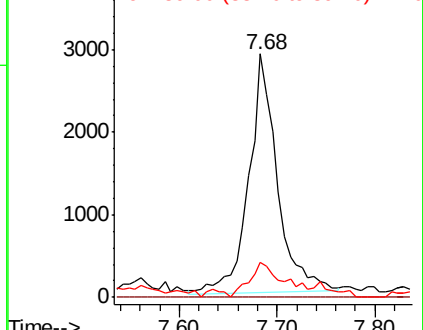
39 17.5 42.2 63.2#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#50

Toluene-d8

Concen: 48.354 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005692.D

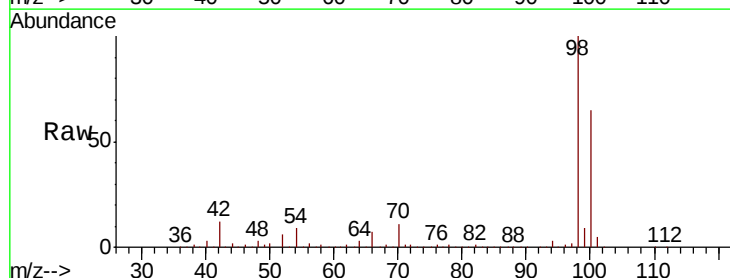
Acq: 30 Oct 2018 15:27

Tgt Ion: 98 Resp: 398135

Ion Ratio Lower Upper

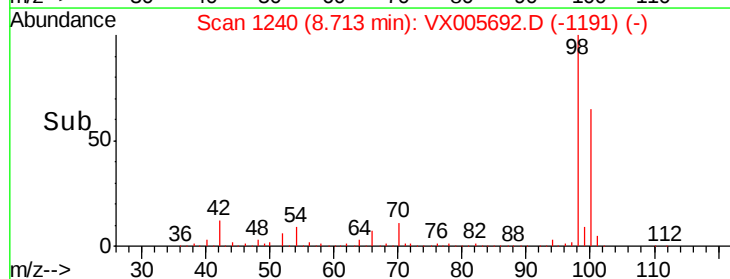
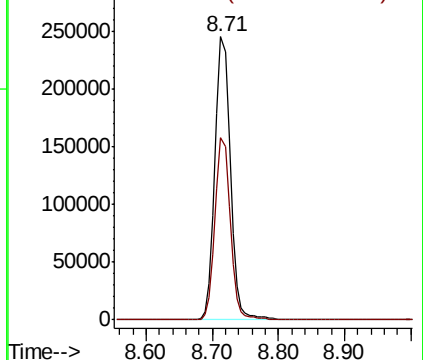
98 100

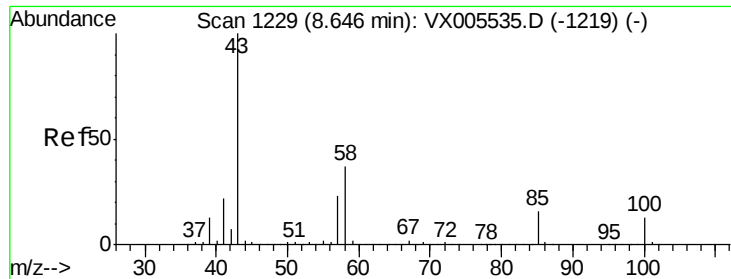
100 63.8 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

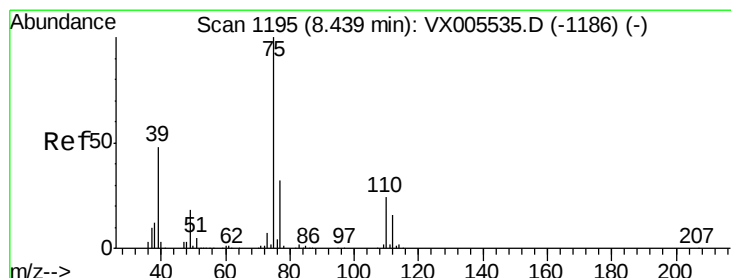
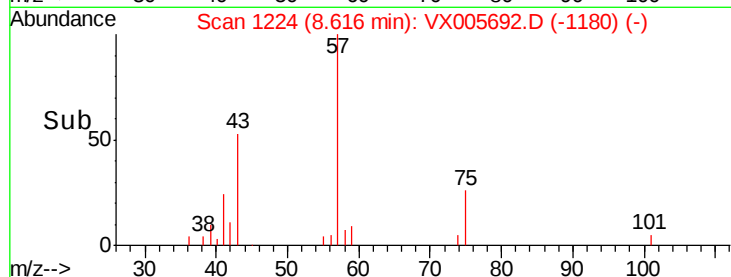
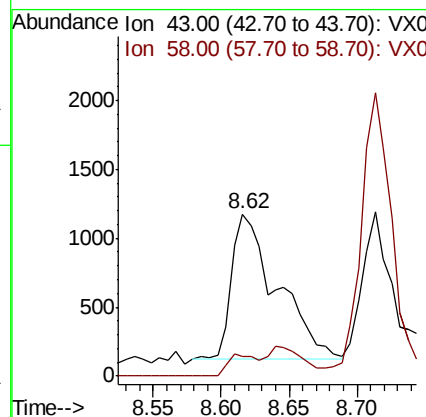
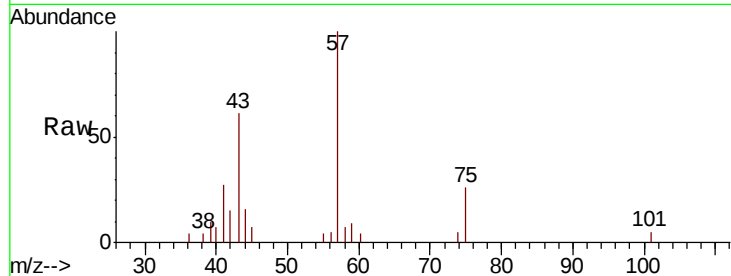




#51
4-Methyl-2-Pentanone
Concen: 0.582 ug/l
RT: 8.62 min Scan# 1224
Delta R.T. -0.03 min
Lab File: VX005692.D
Acq: 30 Oct 2018 15:27

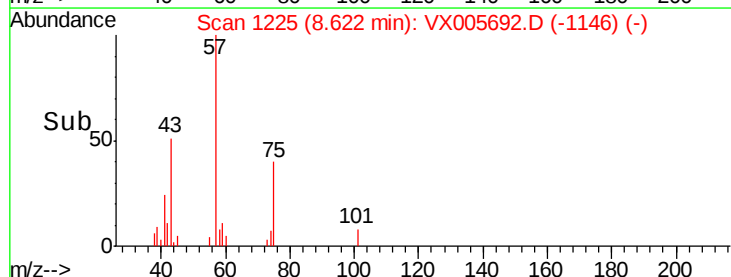
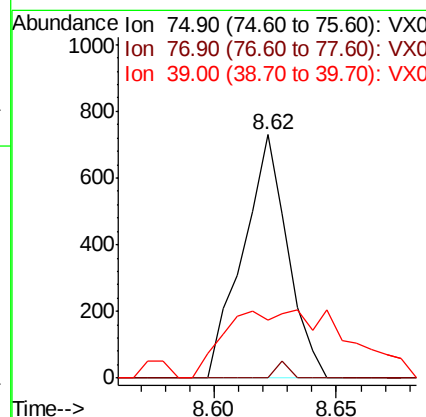
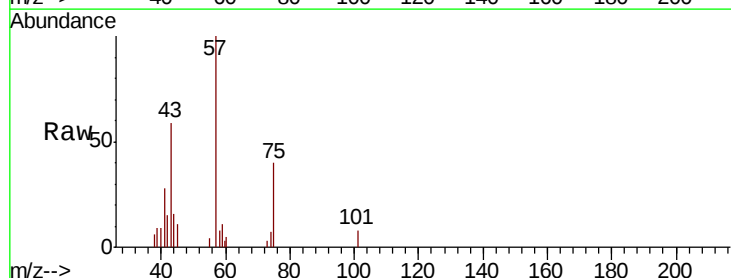
Instrument :
MSVOA_X
ClientSampleId :
PB114242ZHE#03

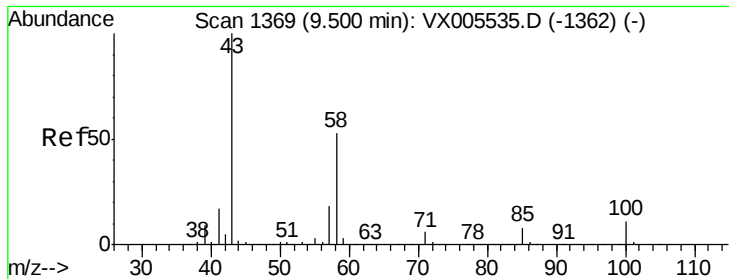
Tot Ion: 43 Resp: 2455
Ion Ratio Lower Upper
43 100
58 9.6 29.7 44.5#



#54
cis-1,3-Dichloropropene
Concen: 0.251 ug/l
RT: 8.62 min Scan# 1225
Delta R.T. 0.18 min
Lab File: VX005692.D
Acq: 30 Oct 2018 15:27

Tgt Ion: 75 Resp: 925
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#
39 23.6 38.2 57.2#

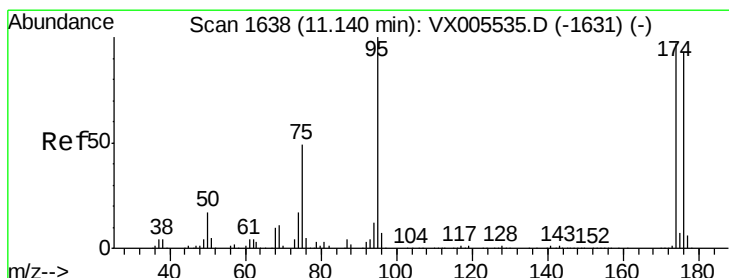
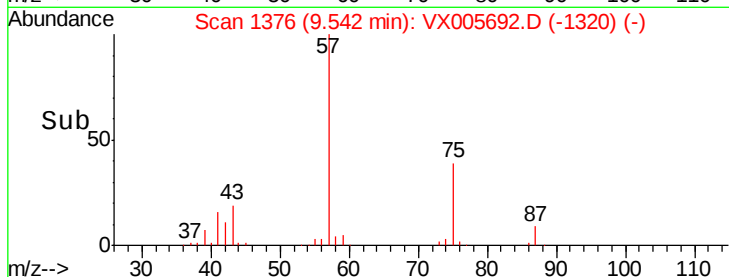
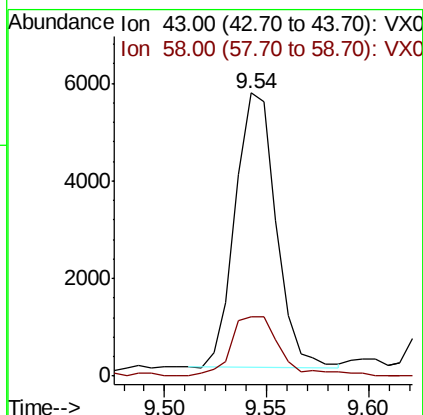
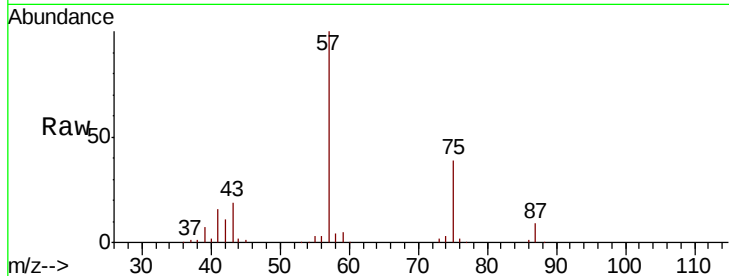




#59
2-Hexanone
Concen: 2.344 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.04 min
Lab File: VX005692.D
Acq: 30 Oct 2018 15:27

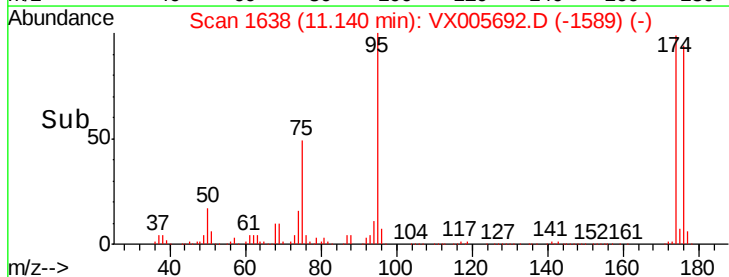
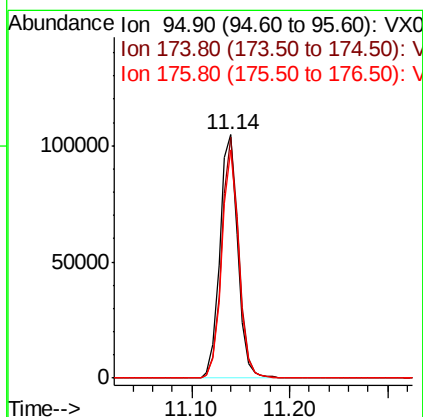
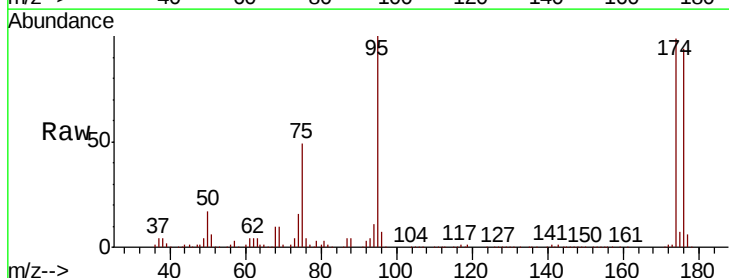
Instrument :
MSVOA_X
ClientSampleId :
PB114242ZHE#03

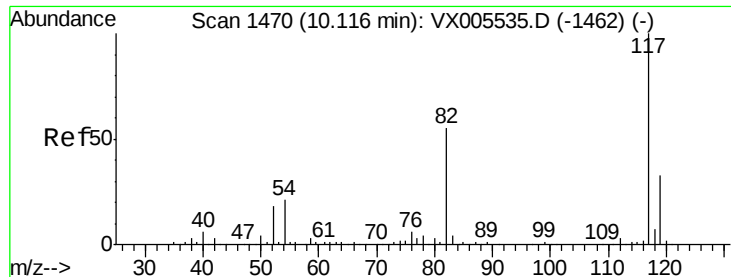
Tot Ion: 43 Resp: 7799
Ion Ratio Lower Upper
43 100
58 26.4 25.9 77.8



#62
4-Bromofluorobenzene
Concen: 42.802 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005692.D
Acq: 30 Oct 2018 15:27

Tgt Ion: 95 Resp: 133089
Ion Ratio Lower Upper
95 100
174 94.6 0.0 184.4
176 89.8 0.0 177.4

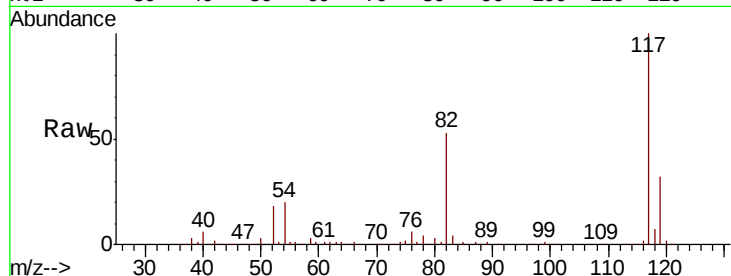




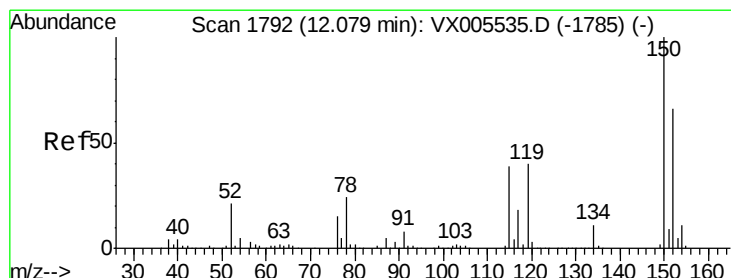
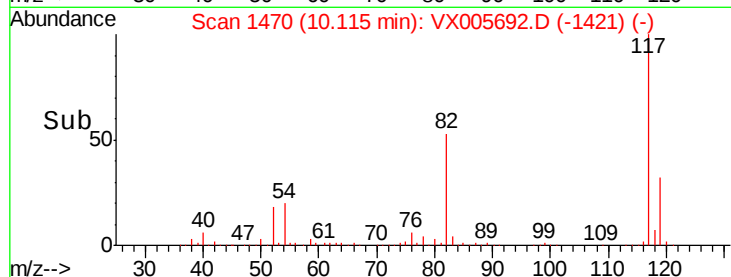
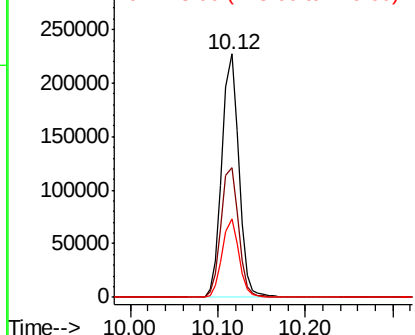
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005692.D
Acq: 30 Oct 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :
PB114242ZHE#03

Tot Ion:117 Resp: 304789
Ion Ratio Lower Upper
117 100
82 53.4 44.1 66.1
119 32.3 26.2 39.2

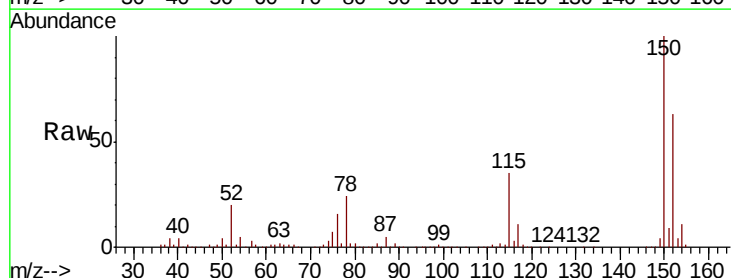


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

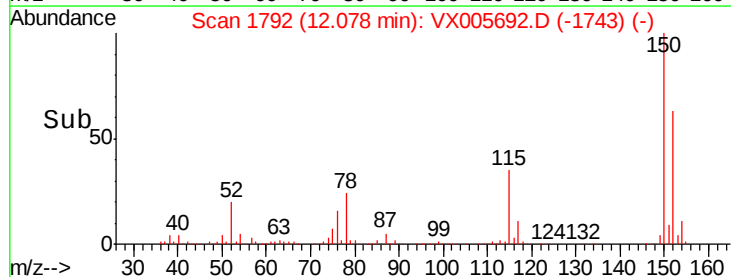
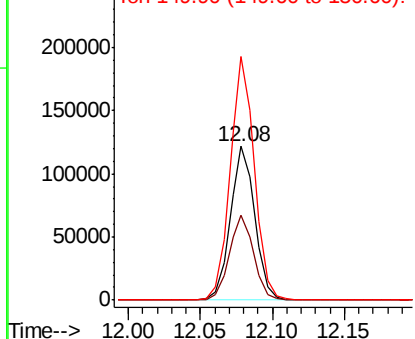


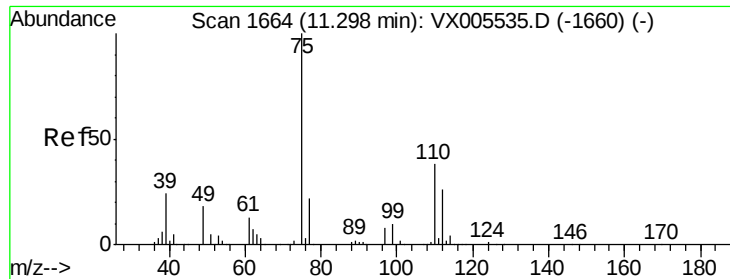
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005692.D
Acq: 30 Oct 2018 15:27

Tgt Ion:152 Resp: 144509
Ion Ratio Lower Upper
152 100
115 54.8 39.4 118.1
150 157.1 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

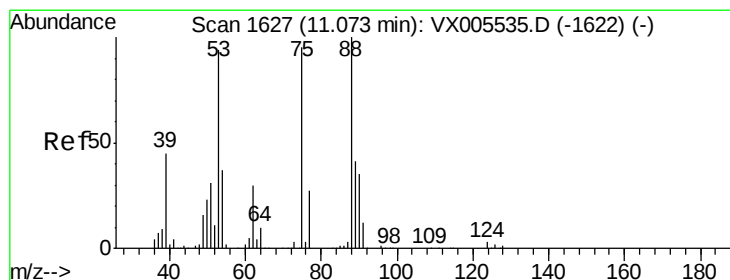
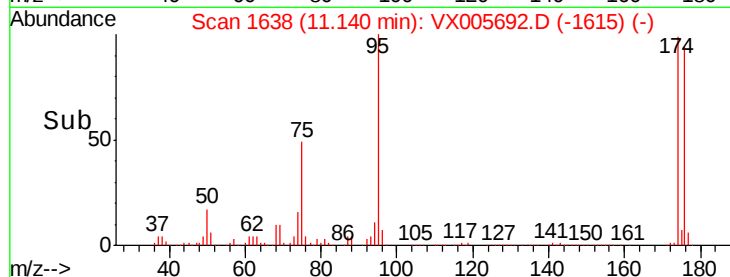
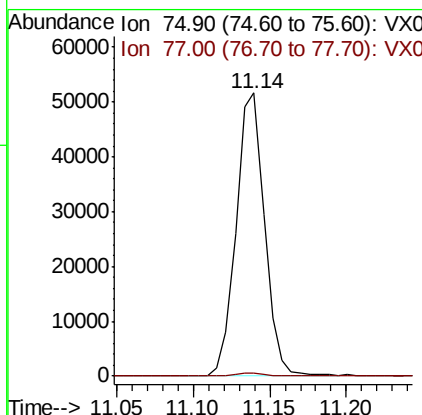
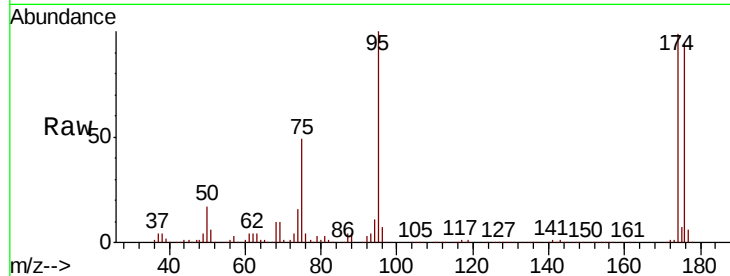




#76
 1,2,3-Trichloropropane
 Concen: 21.747 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX005692.D
 Acq: 30 Oct 2018 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114242ZHE#03

Tot Ion: 75 Resp: 66586
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.5 61.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.060 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX005692.D
 Acq: 30 Oct 2018 15:27

Tgt Ion: 75 Resp: 66586
 Ion Ratio Lower Upper
 75 100
 53 0.4 80.2 120.2#
 89 0.0 39.8 59.8#

