

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX073019\
 Data File : VX011187.D
 Acq On : 30 Jul 2019 12:02
 Operator : JC/SP
 Sample : VX0730WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730WBL01

Quant Time: Aug 08 05:21:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	230367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	330539	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	292585	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	134939	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	112909	46.07	ug/l	0.00
Spiked Amount			Recovery	=	92.14%	
35) Dibromofluoromethane	5.49	113	98256	46.83	ug/l	0.00
Spiked Amount			Recovery	=	93.66%	
50) Toluene-d8	8.71	98	383976	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
62) 4-Bromofluorobenzene	11.13	95	125901	43.53	ug/l	0.00
Spiked Amount			Recovery	=	87.06%	

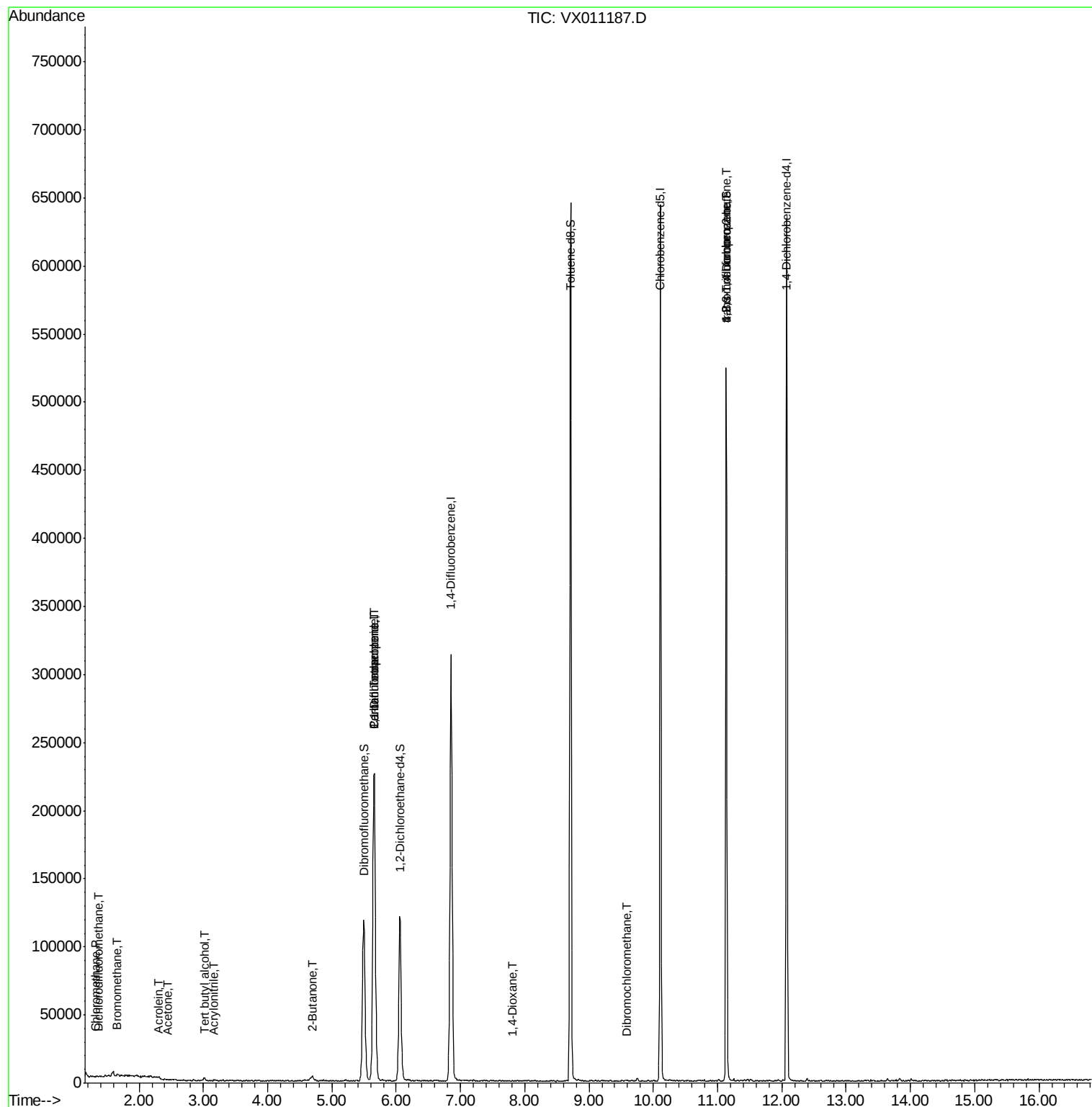
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.37	85	29	0.558	ug/l #	43
3) Chloromethane	1.33	50	537	0.253	ug/l	99
5) Bromomethane	1.65	94	845	0.694	ug/l #	63
11) Tert butyl alcohol	3.02	59	1026	1.798	ug/l #	73
13) Acrolein	2.29	56	212	0.643	ug/l	89
15) Acrylonitrile	3.15	53	302	0.262	ug/l #	92
16) Acetone	2.45	43	625	0.565	ug/l	100
25) 2-Butanone	4.70	43	710	0.447	ug/l #	46
36) 1,1-Dichloropropene	5.65	75	15455	5.692	ug/l #	50
38) Carbon Tetrachloride	5.66	117	21504	7.601	ug/l #	17
49) 1,4-Dioxane	7.80	88	19	0.305	ug/l #	1
60) Dibromochloromethane	9.58	129	21	2.536	ug/l #	11
76) 1,2,3-Trichloropropane	11.13	75	63427	26.048	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	63427	64.720	ug/l #	11

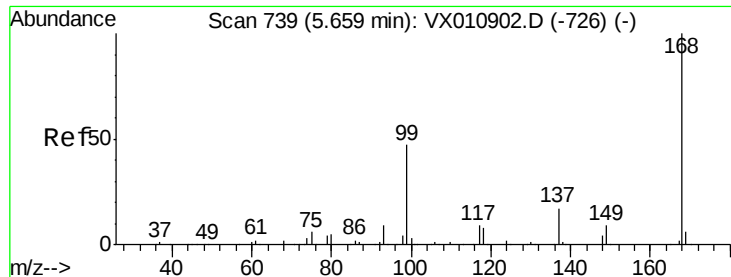
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 24 05:39:23 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX011187.D

Acq: 30 Jul 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

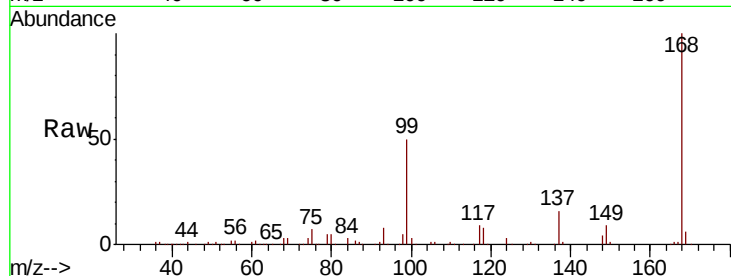
VX0730WBL01

Tgt Ion:168 Resp: 230367

Ion Ratio Lower Upper

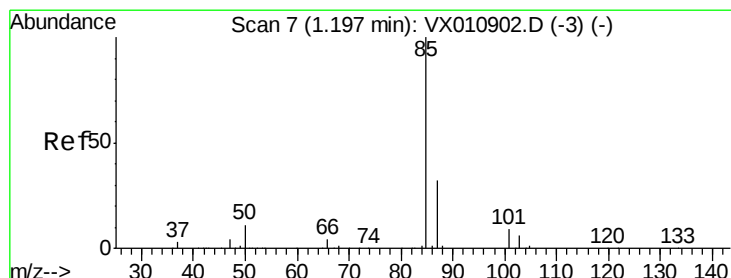
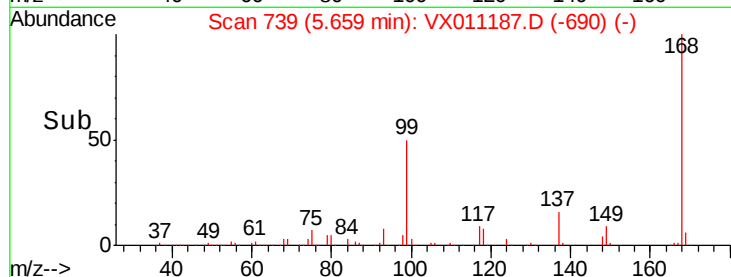
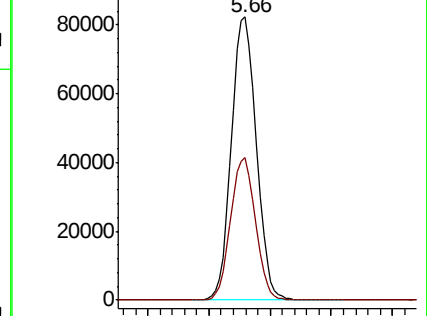
168 100

99 50.2 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.558 ug/l

RT: 1.37 min Scan# 35

Delta R.T. 0.17 min

Lab File: VX011187.D

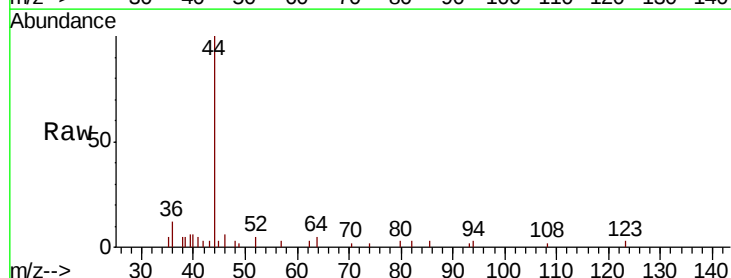
Acq: 30 Jul 2019 12:02

Tgt Ion: 85 Resp: 29

Ion Ratio Lower Upper

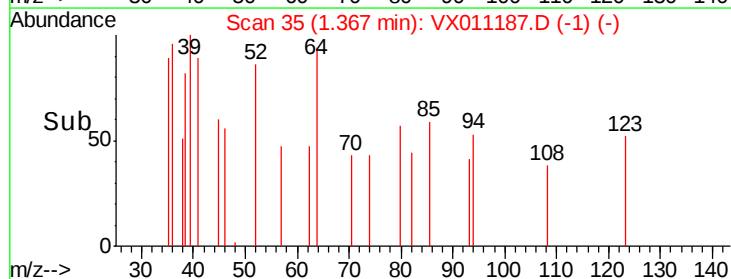
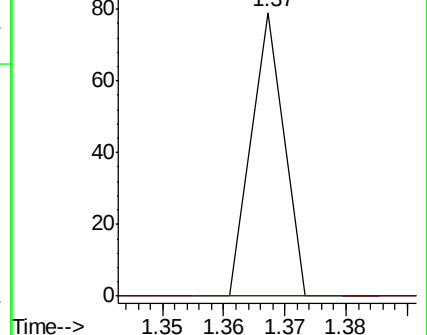
85 100

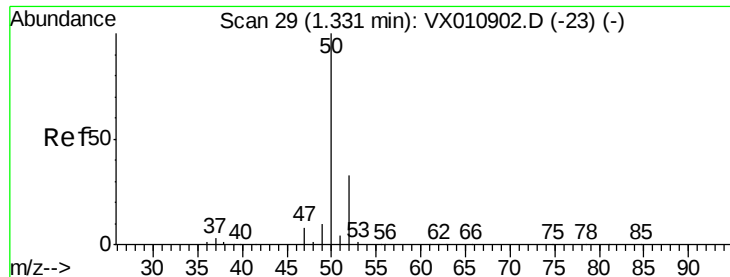
87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.253 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX011187.D

Acq: 30 Jul 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

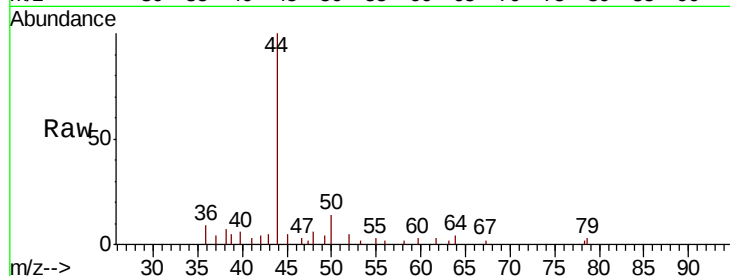
VX0730WBL01

Tgt Ion: 50 Resp: 537

Ion Ratio Lower Upper

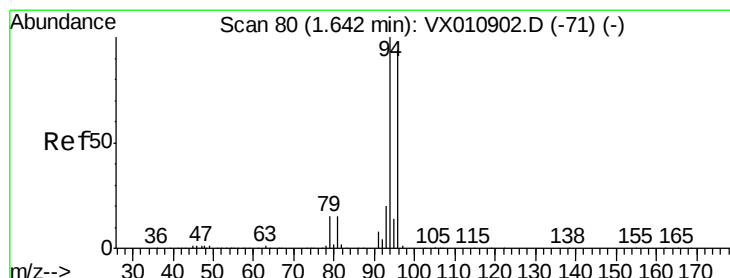
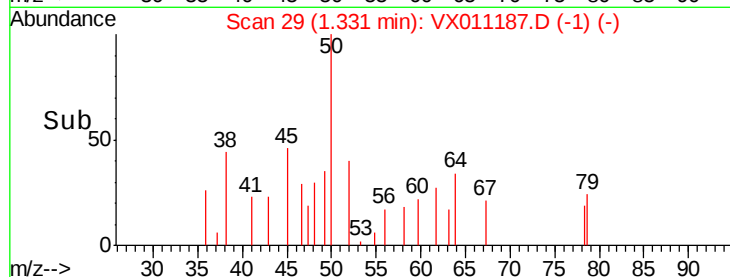
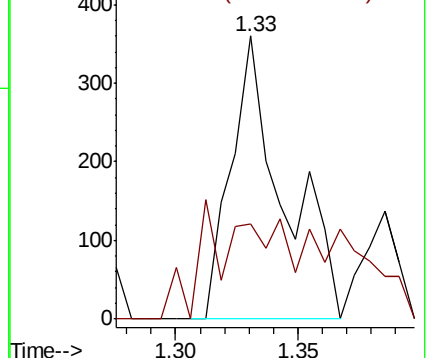
50 100

52 33.6 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: 0.694 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX011187.D

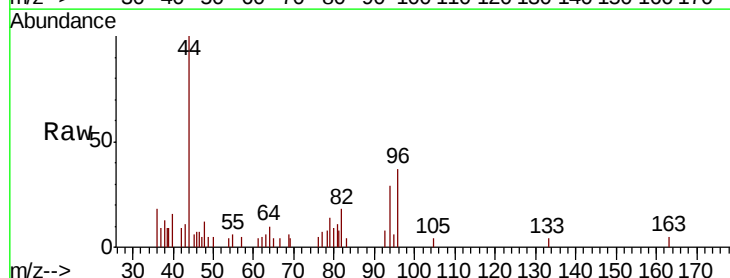
Acq: 30 Jul 2019 12:02

Tgt Ion: 94 Resp: 845

Ion Ratio Lower Upper

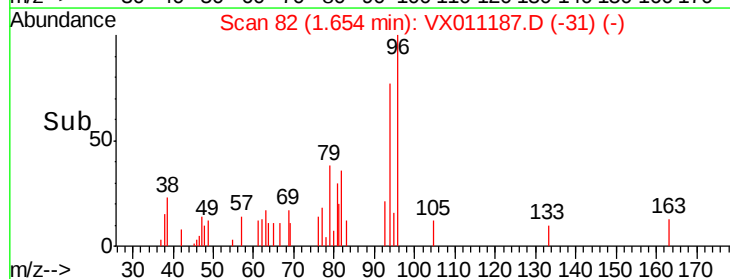
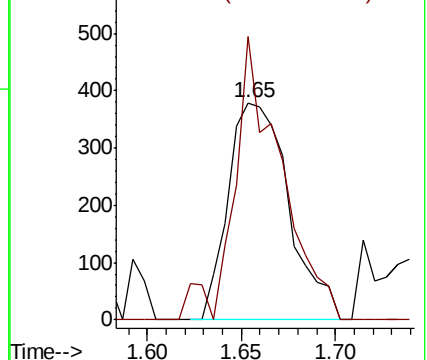
94 100

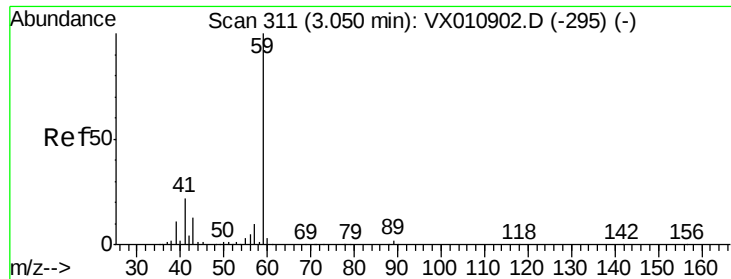
96 130.3 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

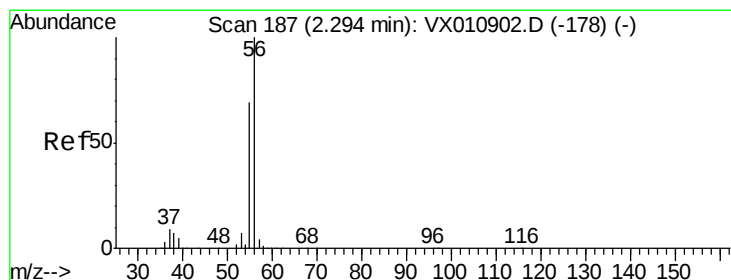
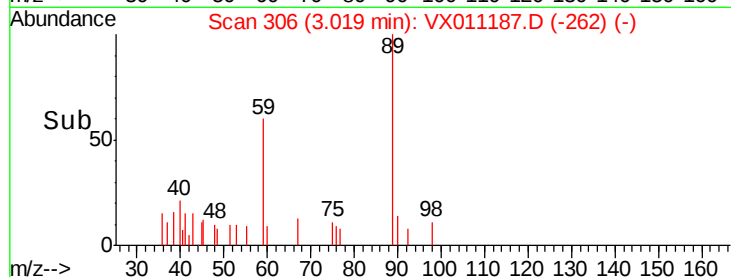
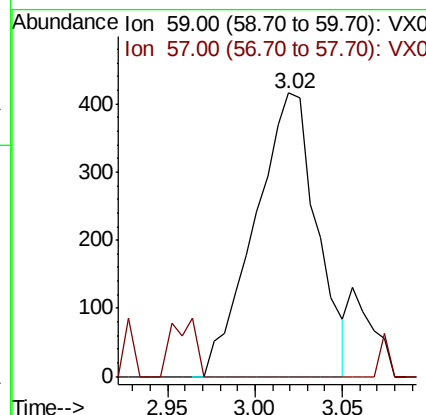
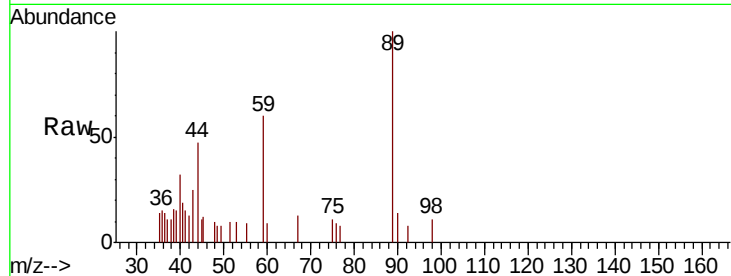




#11
Tert butyl alcohol
Concen: 1.798 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX011187.D
Acq: 30 Jul 2019 12:02

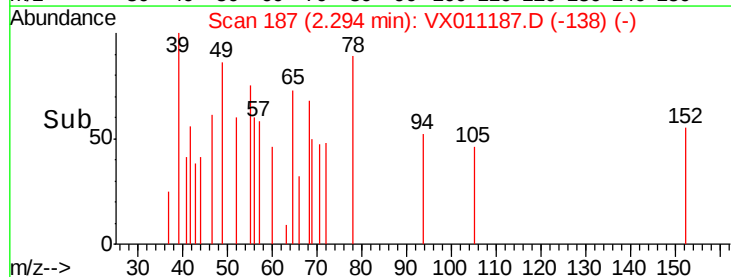
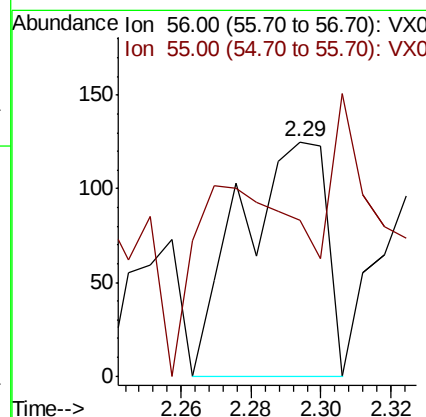
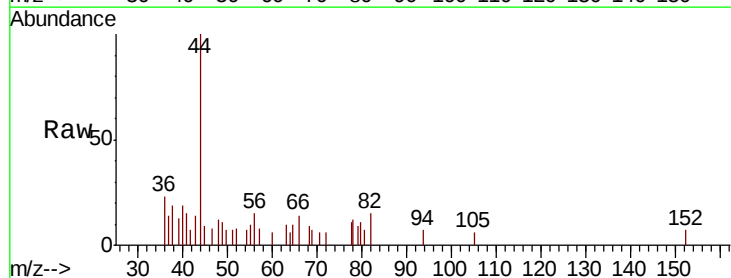
Instrument :
MSVOA_X
ClientSampleId :
VX0730WBL01

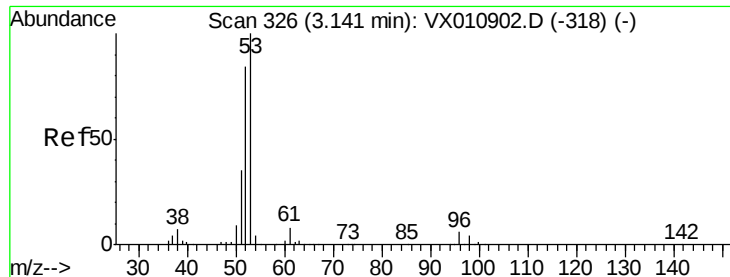
Tgt Ion: 59 Resp: 1026
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#13
Acrolein
Concen: 0.643 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX011187.D
Acq: 30 Jul 2019 12:02

Tgt Ion: 56 Resp: 212
Ion Ratio Lower Upper
56 100
55 79.2 55.9 83.9





#15

Acrylonitrile

Concen: 0.262 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX011187.D

Acq: 30 Jul 2019 12:02

Instrument :

MSVOA_X

ClientSampled :

VX0730WBL01

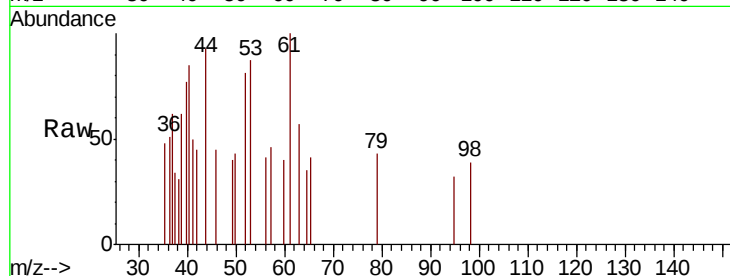
Tgt Ion: 53 Resp: 302

Ion Ratio Lower Upper

53 100

52 84.4 66.5 99.7

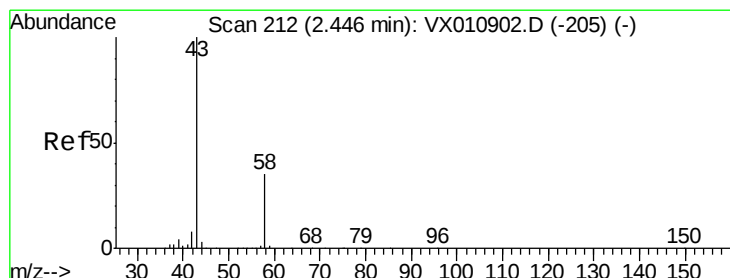
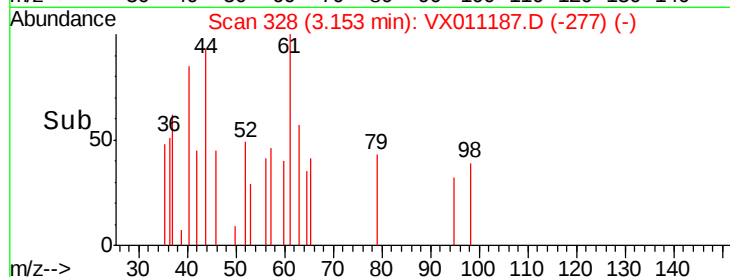
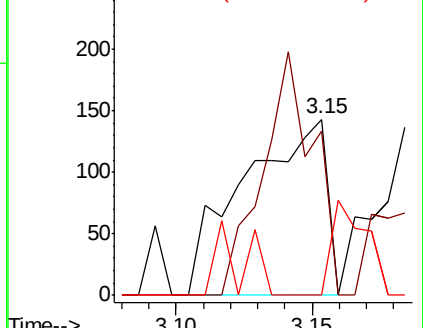
51 22.2 28.2 42.4#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.565 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX011187.D

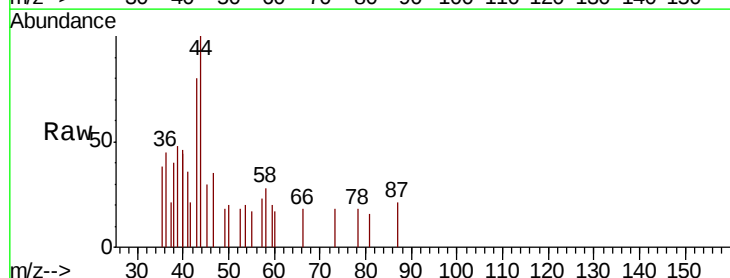
Acq: 30 Jul 2019 12:02

Tgt Ion: 43 Resp: 625

Ion Ratio Lower Upper

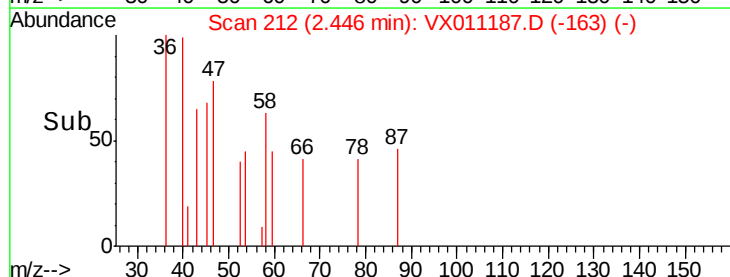
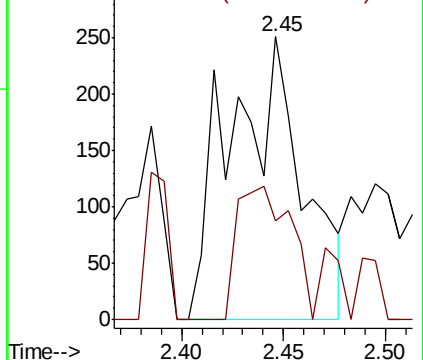
43 100

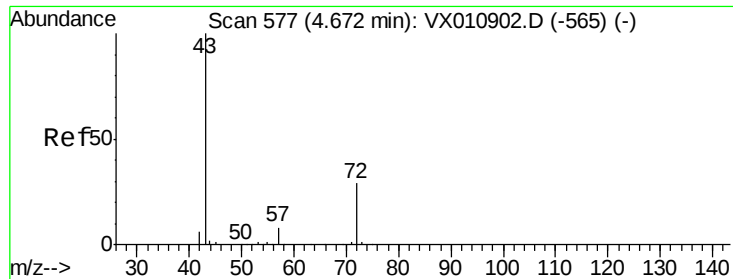
58 34.7 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#25

2-Butanone

Concen: 0.447 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.03 min

Lab File: VX011187.D

Acq: 30 Jul 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

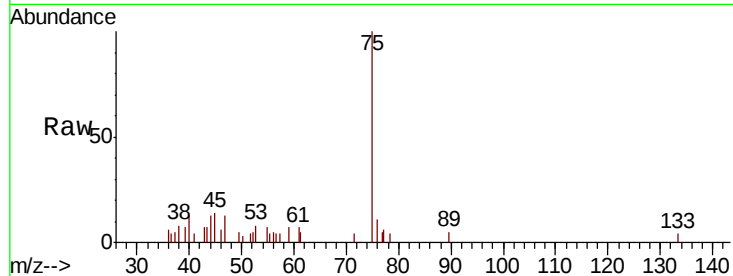
VX0730WBL01

Tgt Ion: 43 Resp: 710

Ion Ratio Lower Upper

43 100

72 0.0 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250

200

150

100

50

0

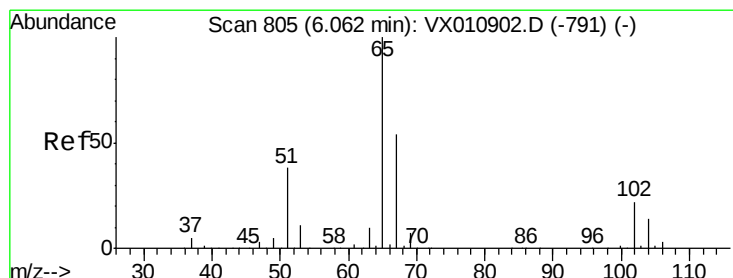
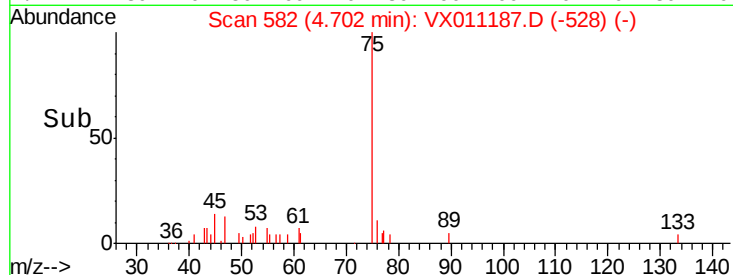
4.60

4.65

4.70

4.75

Time-->



#33

1,2-Dichloroethane-d4

Concen: 46.071 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX011187.D

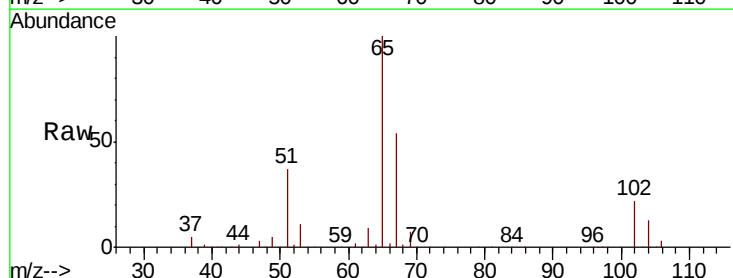
Acq: 30 Jul 2019 12:02

Tgt Ion: 65 Resp: 112909

Ion Ratio Lower Upper

65 100

67 53.5 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

50000

40000

30000

20000

10000

0

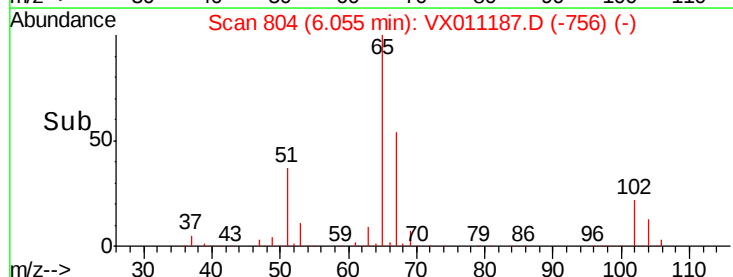
5.90

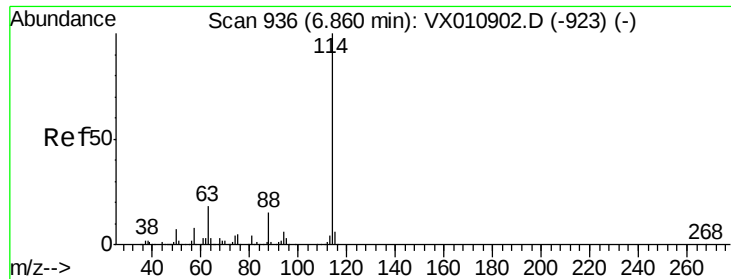
6.00

6.10

6.20

Time-->

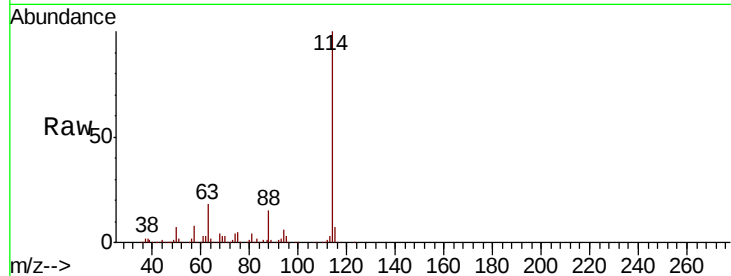




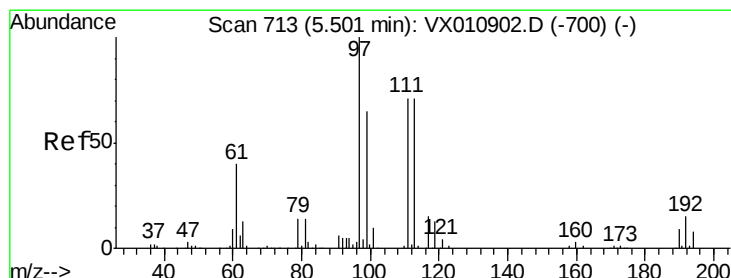
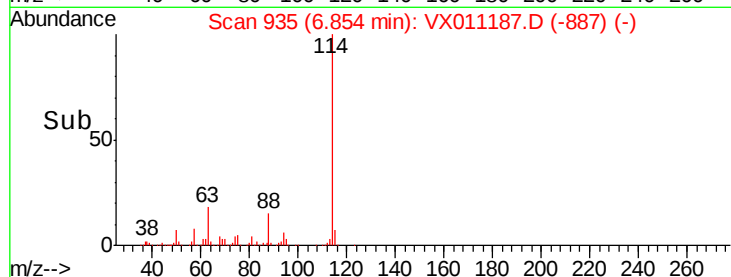
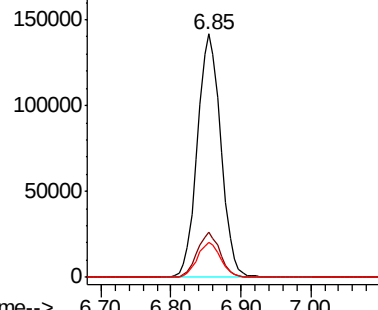
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX011187.D
 Acq: 30 Jul 2019 12:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730WBL01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	35.6
88	14.5	0.0	29.8

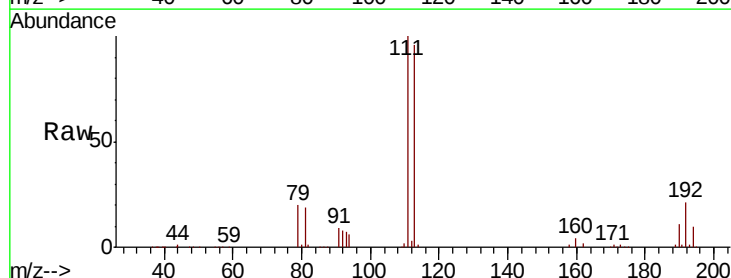


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

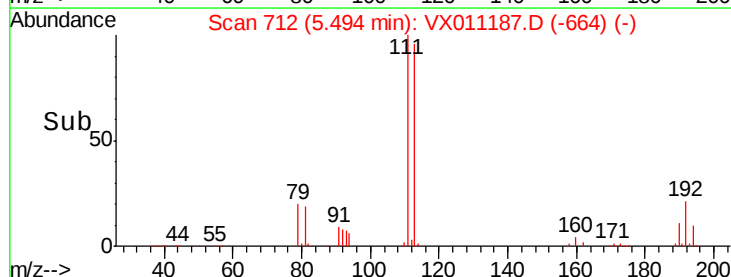
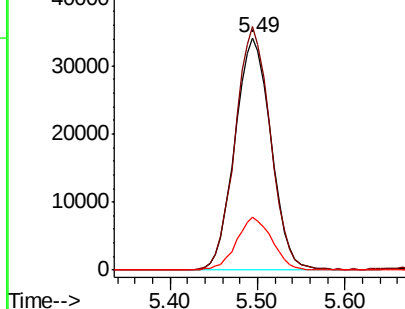


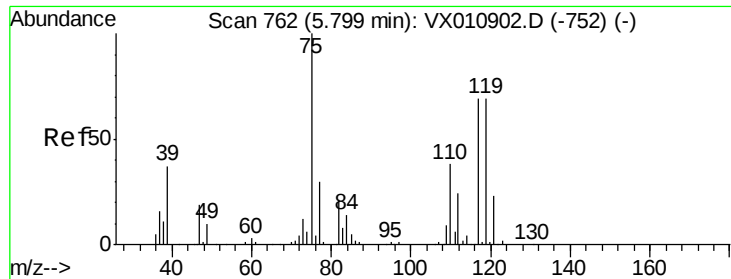
#35
 Dibromofluoromethane
 Concen: 46.833 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX011187.D
 Acq: 30 Jul 2019 12:02

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.3	123.5
192	22.4	17.4	26.2



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

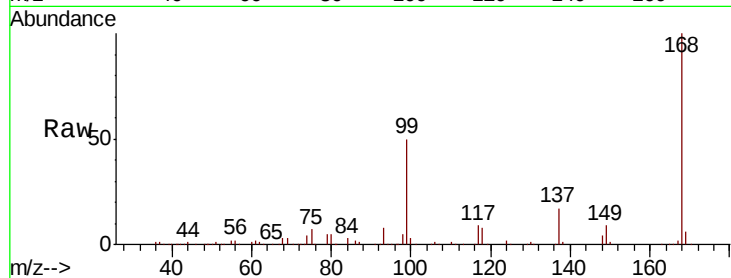




#36
 1,1-Dichloropropene
 Concen: 5.692 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX011187.D
 Acq: 30 Jul 2019 12:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730WBL01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.9	19.9	59.7#
77	0.1	25.0	37.4#

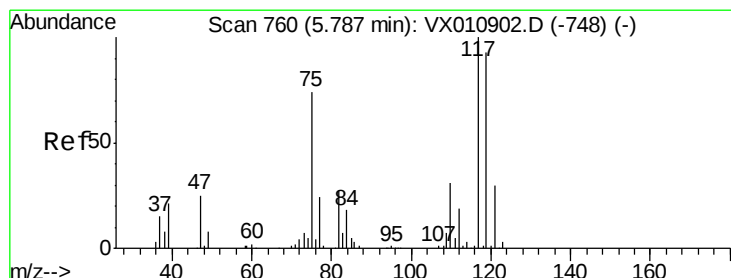
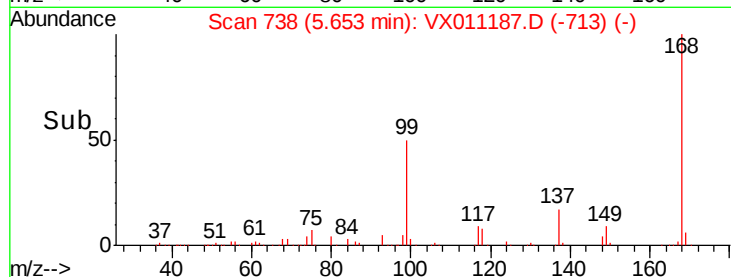
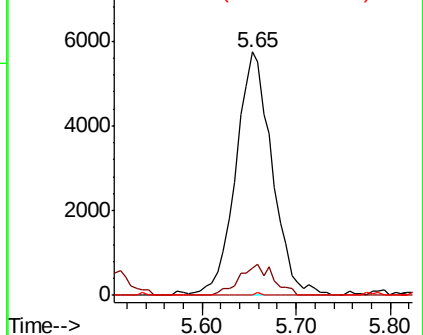


Abundance

Ion 74.90 (74.60 to 75.60): VX0

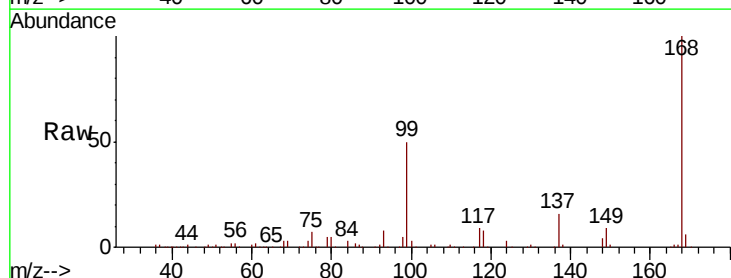
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38
 Carbon Tetrachloride
 Concen: 7.601 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX011187.D
 Acq: 30 Jul 2019 12:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	74.2	111.2#
121	0.0	24.2	36.2#

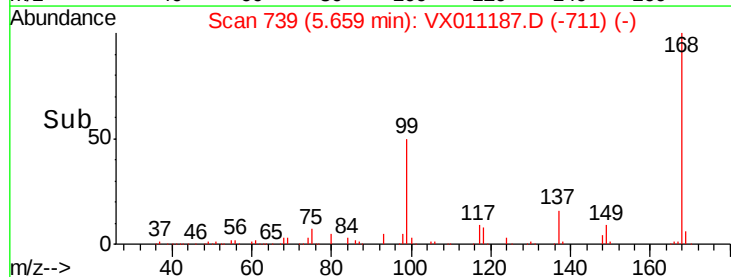
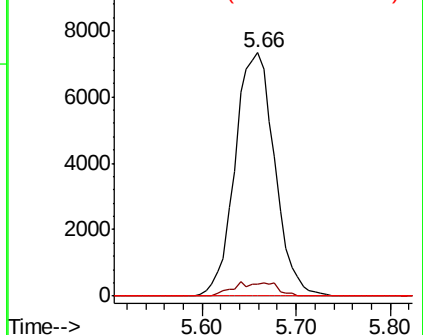


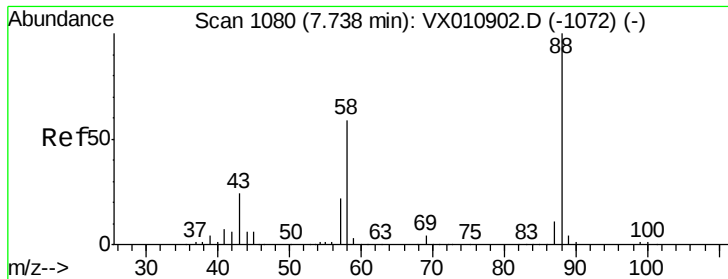
Abundance

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

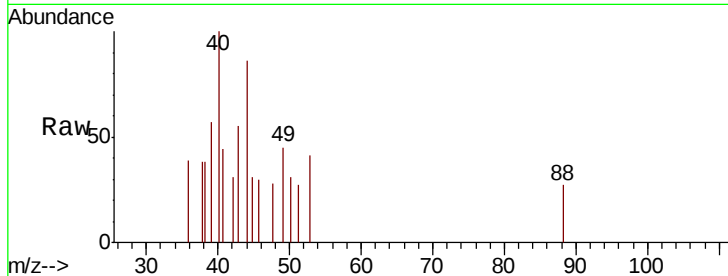




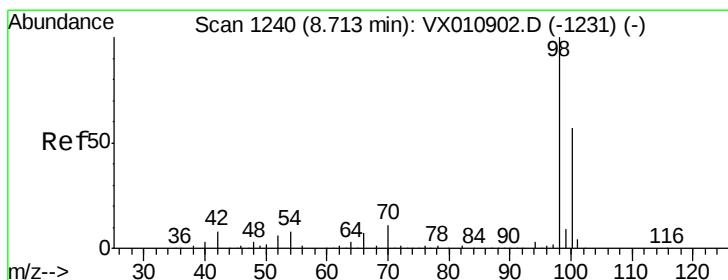
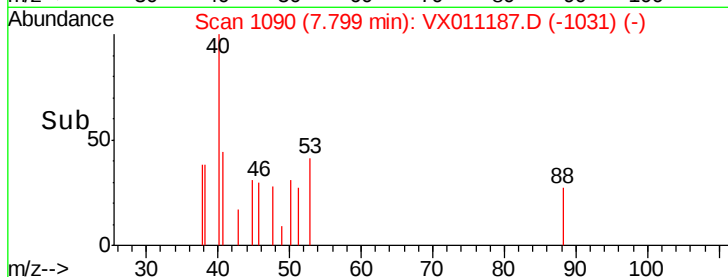
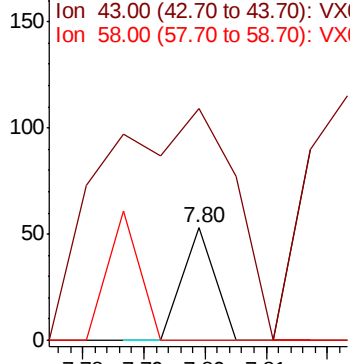
#49
1,4-Dioxane
Concen: 0.305 ug/l
RT: 7.80 min Scan# 1090
Delta R.T. 0.06 min
Lab File: VX011187.D
Acq: 30 Jul 2019 12:02

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBL01

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 957.9 22.9 34.3#
58 115.8 49.8 74.8#

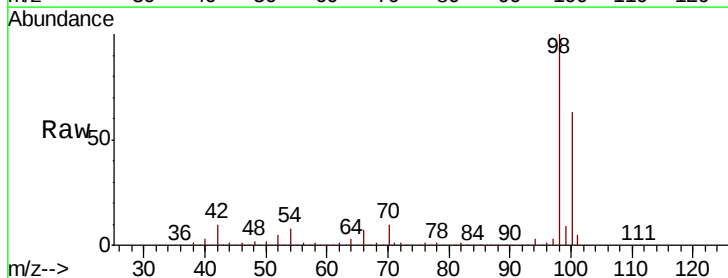


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

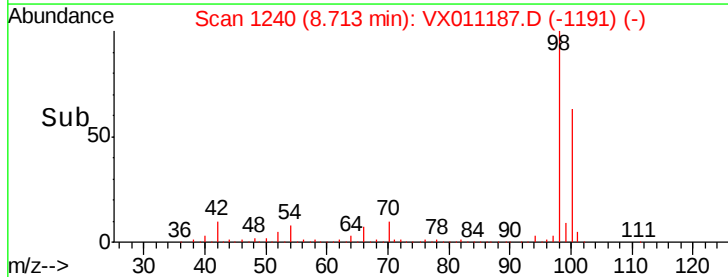
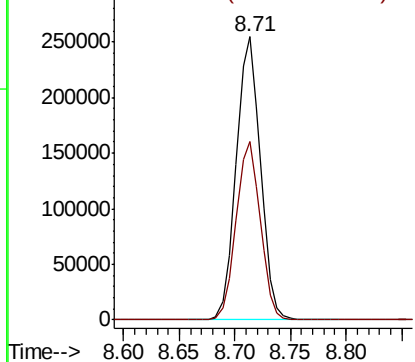


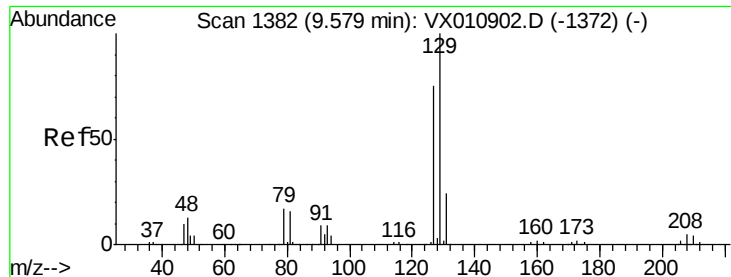
#50
Toluene-d8
Concen: 48.797 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011187.D
Acq: 30 Jul 2019 12:02

Tgt Ion: 98 Resp: 383976
Ion Ratio Lower Upper
98 100
100 63.1 50.6 75.8



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





#60

Dibromochloromethane

Concen: 2.536 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX011187.D

Acq: 30 Jul 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

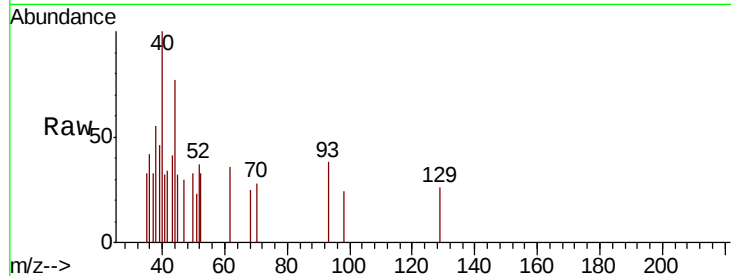
VX0730WBL01

Tgt Ion: 129 Resp: 21

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.58

60

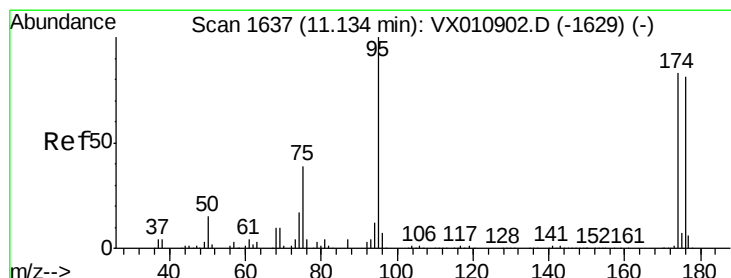
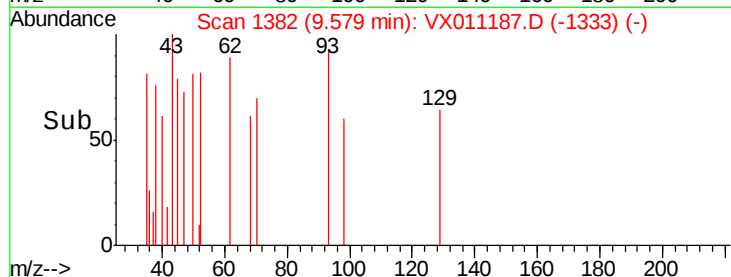
40

20

0

9.56 9.57 9.58 9.59 9.60

Time-->



#62

4-Bromofluorobenzene

Concen: 43.529 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011187.D

Acq: 30 Jul 2019 12:02

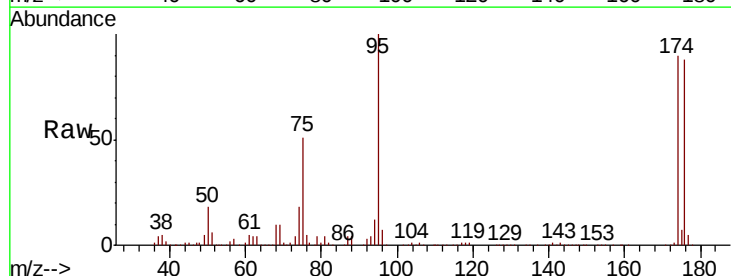
Tgt Ion: 95 Resp: 125901

Ion Ratio Lower Upper

95 100

174 92.8 0.0 180.6

176 90.7 0.0 173.8



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

11.13

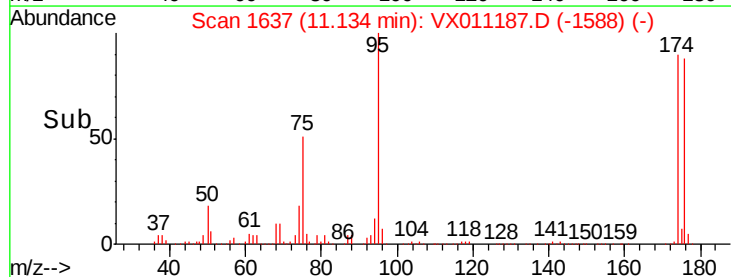
100000

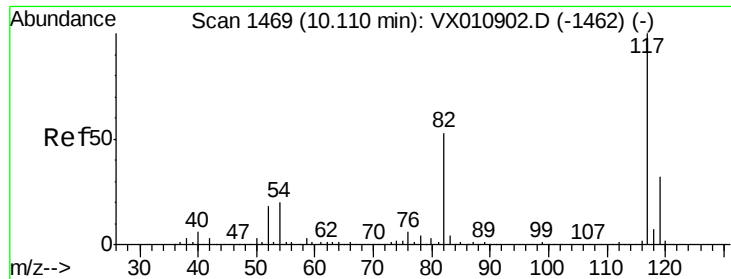
50000

0

11.10 11.20

Time-->

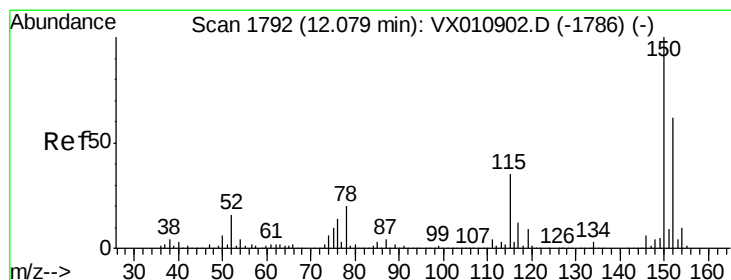
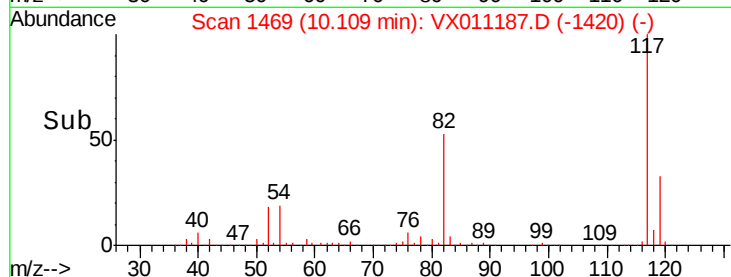
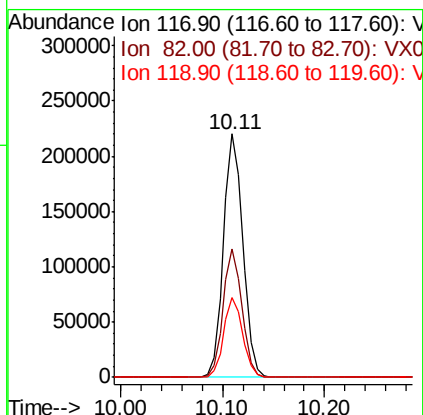
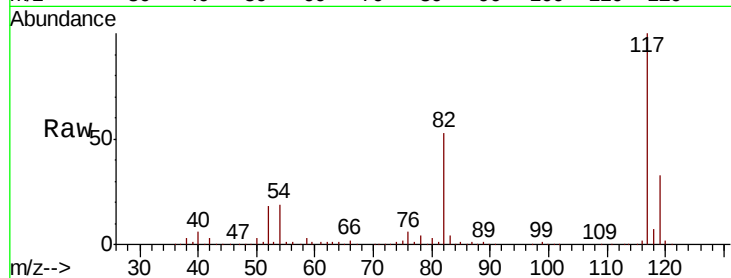




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011187.D
Acq: 30 Jul 2019 12:02

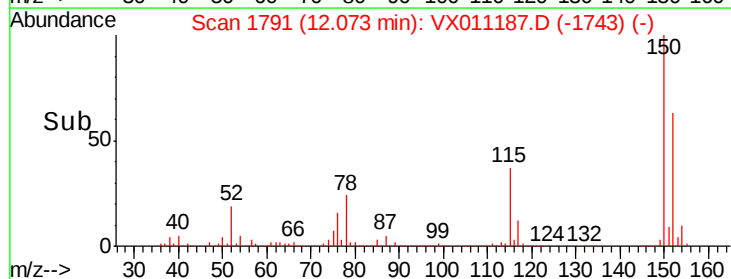
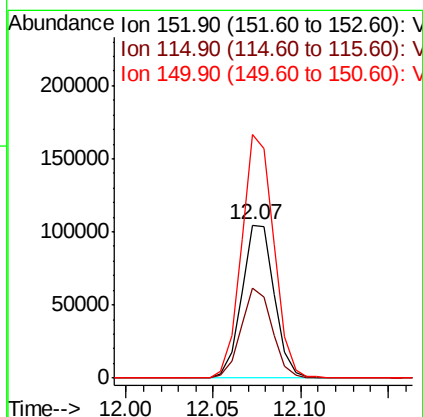
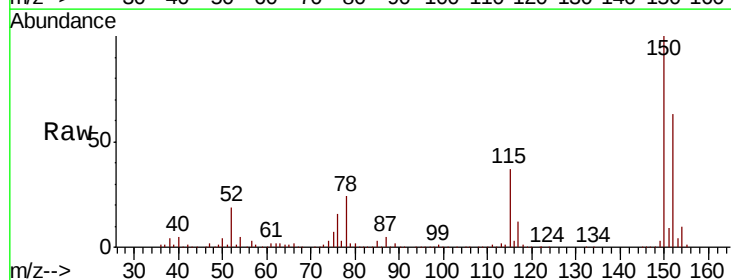
Instrument :
MSVOA_X
ClientSampleId :
VX0730WBL01

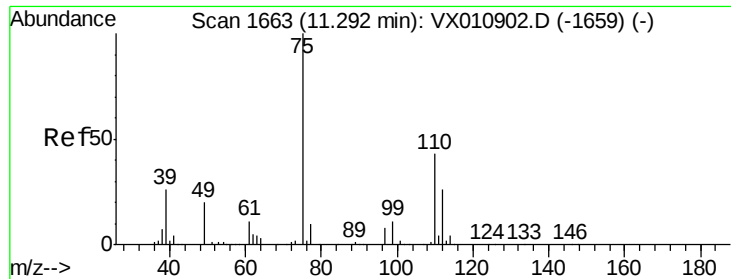
Tgt Ion:117 Resp: 292585
Ion Ratio Lower Upper
117 100
82 52.7 42.6 63.8
119 32.7 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX011187.D
Acq: 30 Jul 2019 12:02

Tgt Ion:152 Resp: 134939
Ion Ratio Lower Upper
152 100
115 56.4 39.7 119.1
150 157.7 0.0 345.6

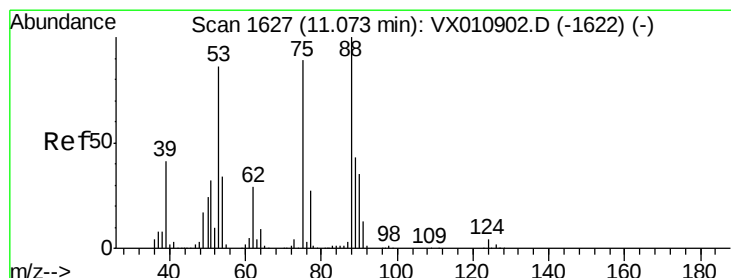
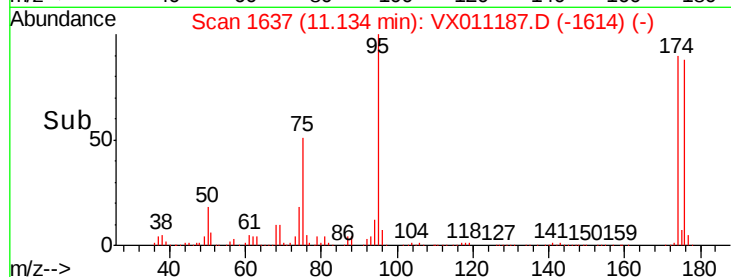
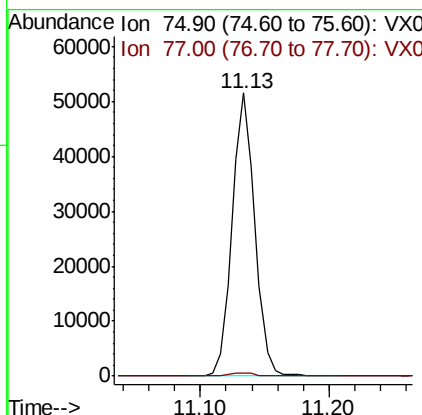
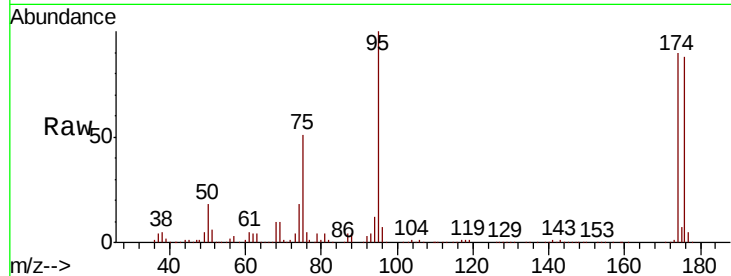




#76
 1,2,3-Trichloropropane
 Concen: 26.048 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011187.D
 Acq: 30 Jul 2019 12:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730WBL01

Tgt Ion: 75 Resp: 63427
 Ion Ratio Lower Upper
 75 100
 77 1.4 21.3 64.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.720 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011187.D
 Acq: 30 Jul 2019 12:02

Tgt Ion: 75 Resp: 63427
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.7 115.1#
 89 0.0 38.5 57.7#

