

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091520\
 Data File : VX018408.D
 Acq On : 15 Sep 2020 15:46
 Operator : JC/SP
 Sample : PB131608TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131608TB

Quant Time: Sep 16 03:37:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	443442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	713684	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	700383	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	351437	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	320258	52.02	ug/l	0.00
Spiked Amount			Recovery	=	104.04%	
35) Dibromofluoromethane	5.47	113	245171	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	
50) Toluene-d8	8.70	98	863638	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	
62) 4-Bromofluorobenzene	11.12	95	338721	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	

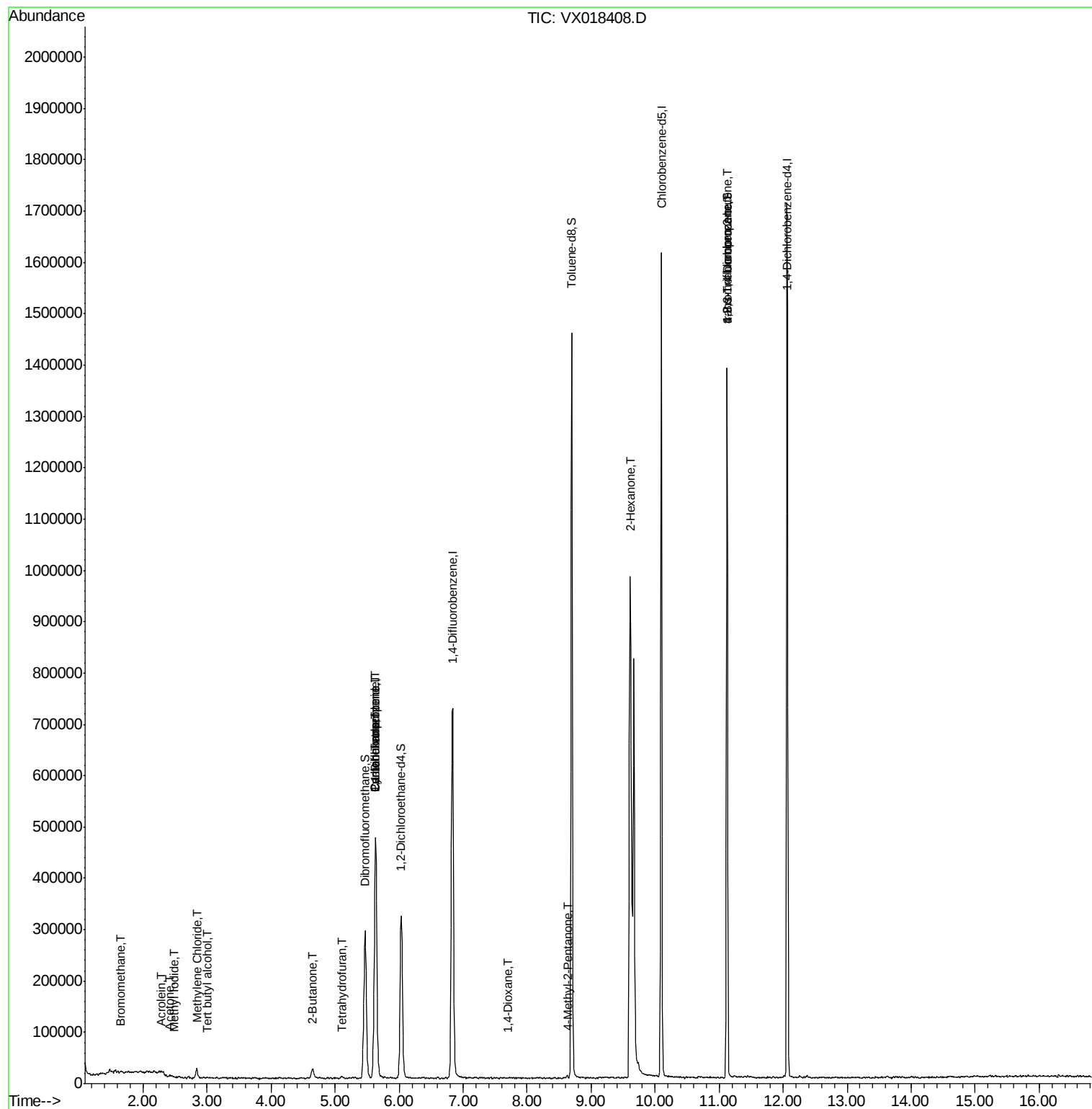
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	708	0.259	ug/l #	44
10) Methyl Iodide	2.49	142	483	5.383	ug/l #	32
11) Tert butyl alcohol	3.01	59	1550	1.295	ug/l	98
13) Acrolein	2.28	56	458	0.923	ug/l #	14
16) Acetone	2.42	43	4664	1.944	ug/l	100
20) Methylene Chloride	2.84	84	9345	0.755	ug/l #	88
25) 2-Butanone	4.65	43	2001	0.508	ug/l	91
29) Tetrahydrofuran	5.11	42	1309	0.522	ug/l	93
31) Cyclohexane	5.62	56	10305	1.399	ug/l #	9
36) 1,1-Dichloropropene	5.63	75	36051	5.477	ug/l #	53
38) Carbon Tetrachloride	5.63	117	46701	6.295	ug/l #	17
49) 1,4-Dioxane	7.69	88	192	1.724	ug/l #	23
51) 4-Methyl-2-Pentanone	8.62	43	3702	0.485	ug/l	98
59) 2-Hexanone	9.61	43	290095	50.015	ug/l #	35
76) 1,2,3-Trichloropropane	11.12	75	173616	22.208	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	173616	59.979	ug/l #	12

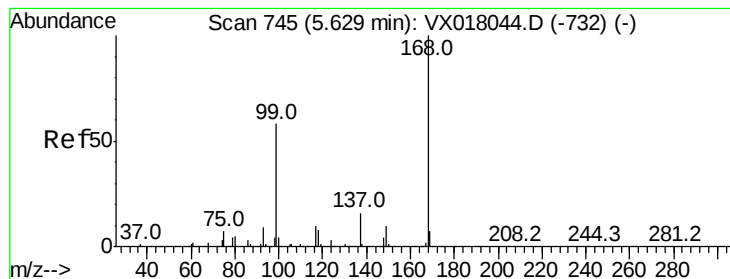
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 16 03:37:08 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018408.D

Acq: 15 Sep 2020 15:46

Instrument :

MSVOA_X

ClientSampleId :

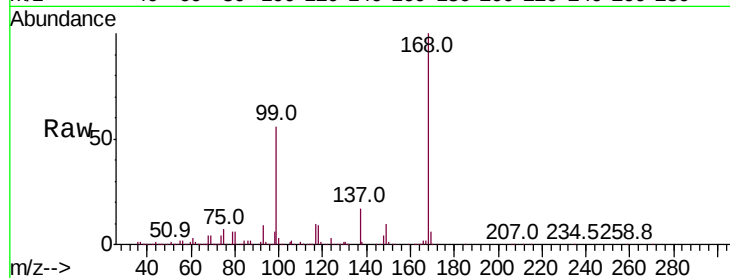
PB131608TB

Tot Ion:168 Resp: 443442

Ion Ratio Lower Upper

168 100

99 55.8 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

150000

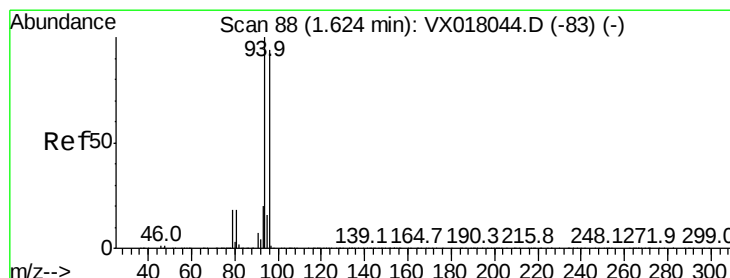
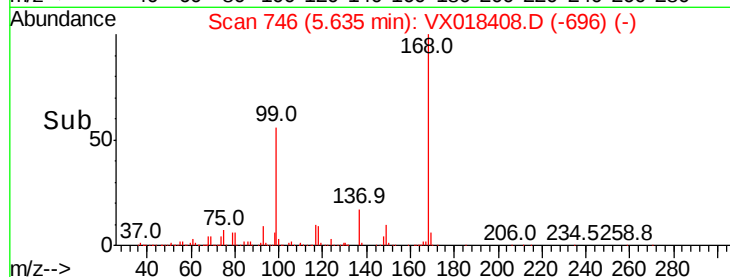
100000

50000

0

Time-->

5.50 5.60 5.70



#5

Bromomethane

Concen: 0.259 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX018408.D

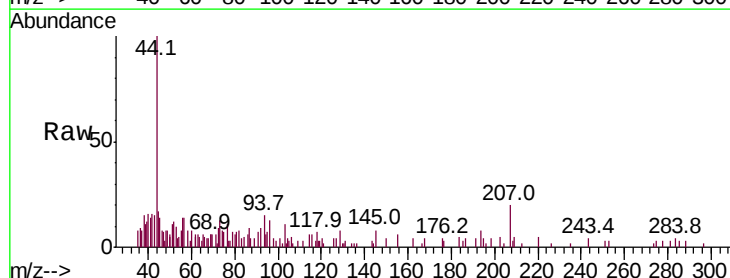
Acq: 15 Sep 2020 15:46

Tgt Ion: 94 Resp: 708

Ion Ratio Lower Upper

94 100

96 39.8 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

600

500

400

300

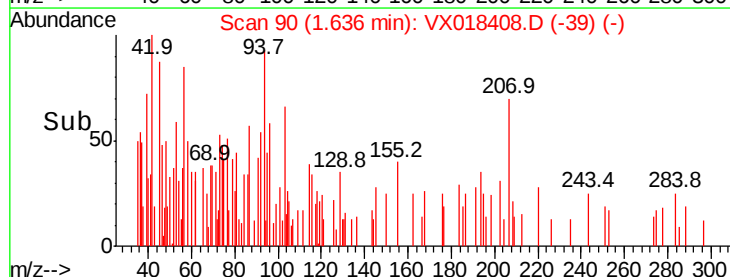
200

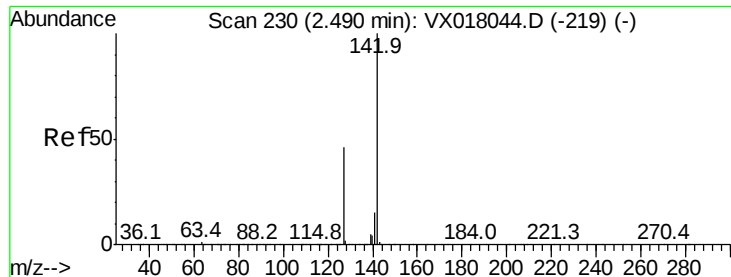
100

0

Time-->

1.65 1.70





#10

Methyl Iodide

Concen: 5.383 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX018408.D

Acq: 15 Sep 2020 15:46

Instrument :

MSVOA_X

ClientSampled :

PB131608TB

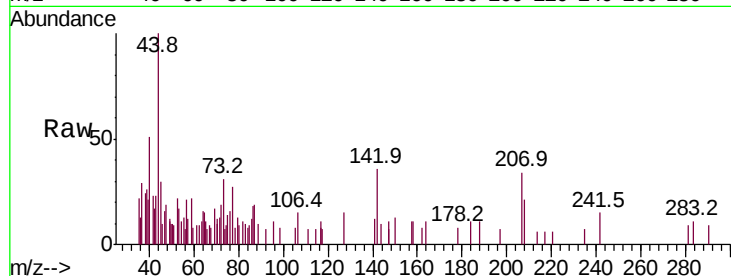
Tot Ion:142 Resp: 483

Ion Ratio Lower Upper

142 100

127 0.0 37.0 55.6#

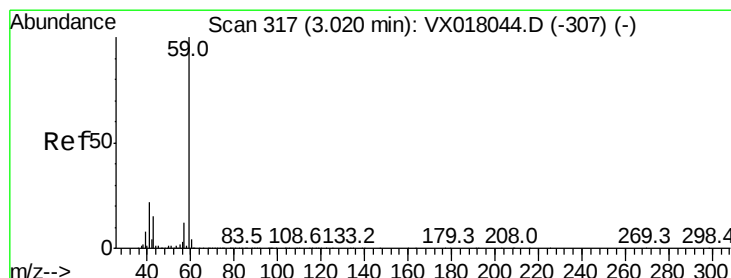
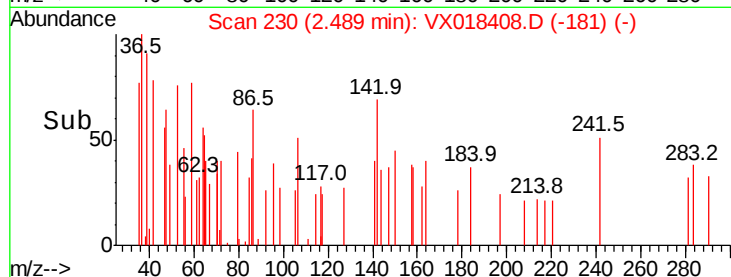
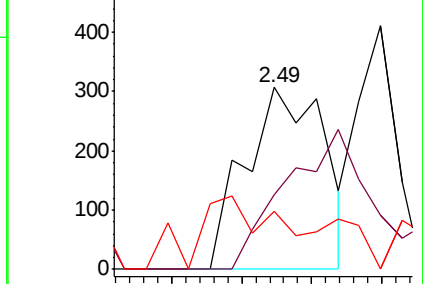
141 40.0 11.5 17.3#



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: 1.295 ug/l

RT: 3.01 min Scan# 316

Delta R.T. -0.01 min

Lab File: VX018408.D

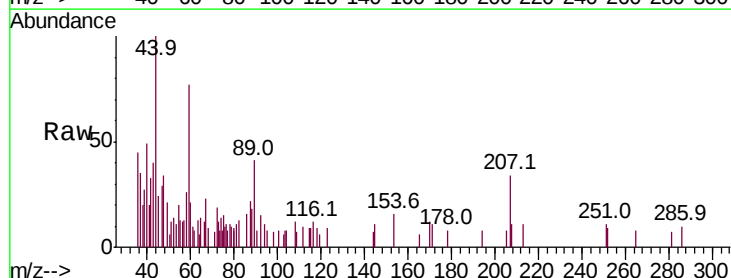
Acq: 15 Sep 2020 15:46

Tgt Ion: 59 Resp: 1550

Ion Ratio Lower Upper

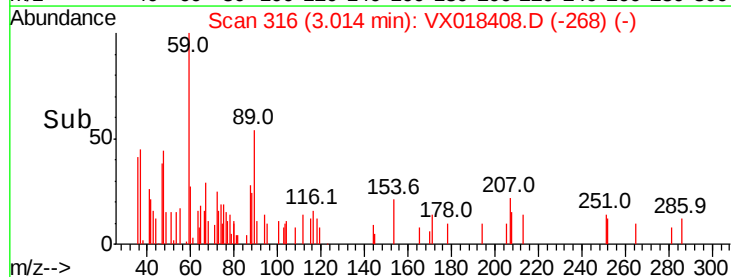
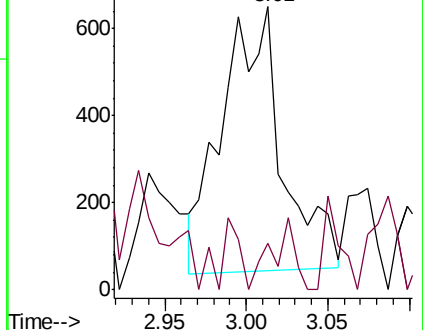
59 100

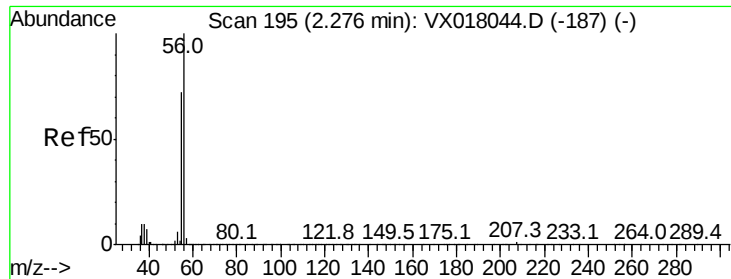
57 10.5 8.9 13.3



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

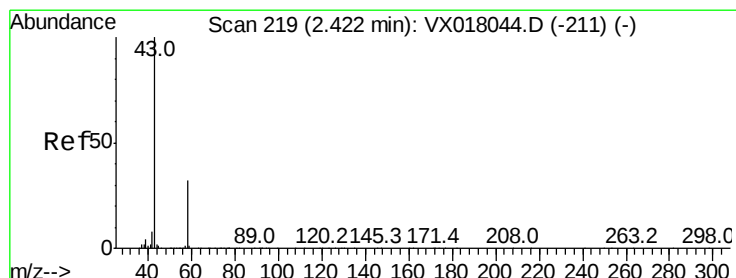
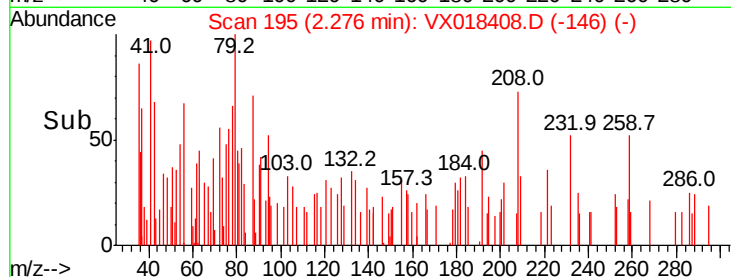
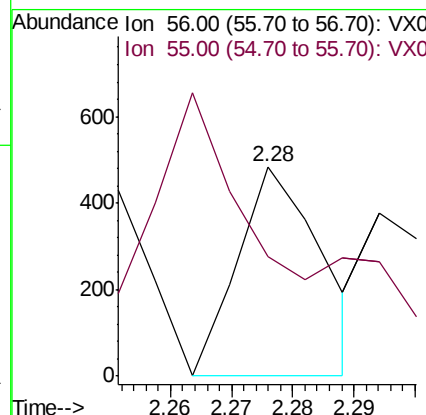
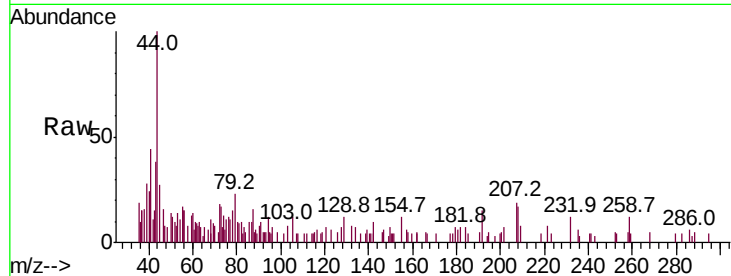




#13
Acrolein
Concen: 0.923 ug/l
RT: 2.28 min Scan# 195
Delta R.T. -0.00 min
Lab File: VX018408.D
Acq: 15 Sep 2020 15:46

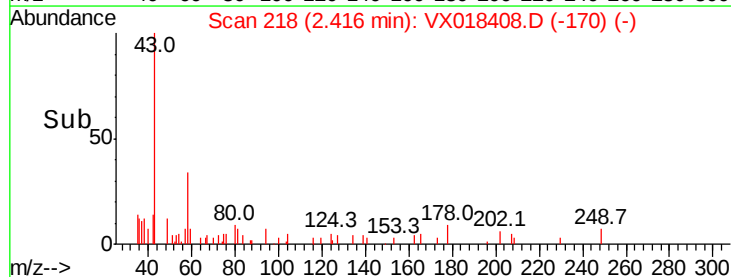
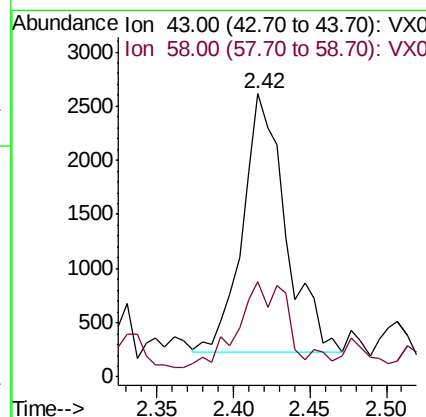
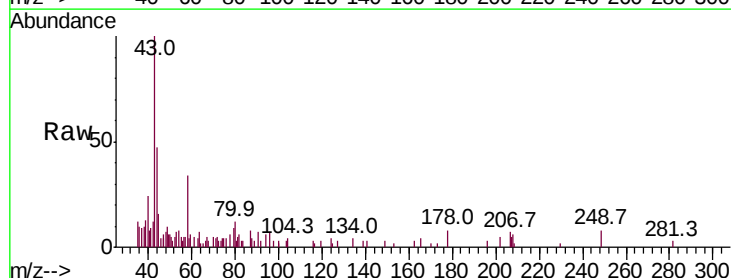
Instrument :
MSVOA_X
ClientSampleId :
PB131608TB

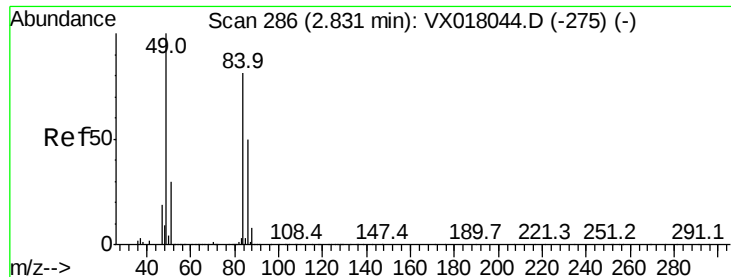
Tot Ion: 56 Resp: 458
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.6#



#16
Acetone
Concen: 1.944 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX018408.D
Acq: 15 Sep 2020 15:46

Tgt Ion: 43 Resp: 4664
Ion Ratio Lower Upper
43 100
58 31.8 25.5 38.3

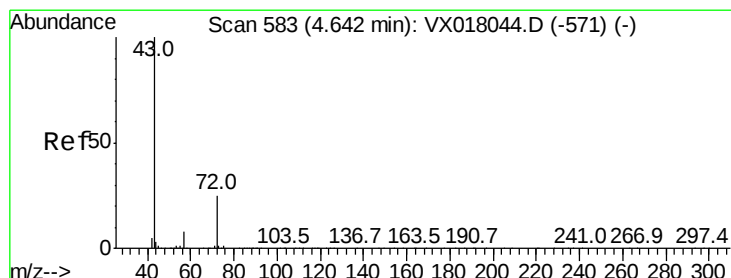
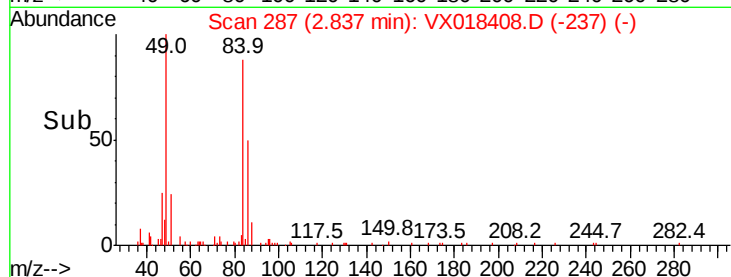
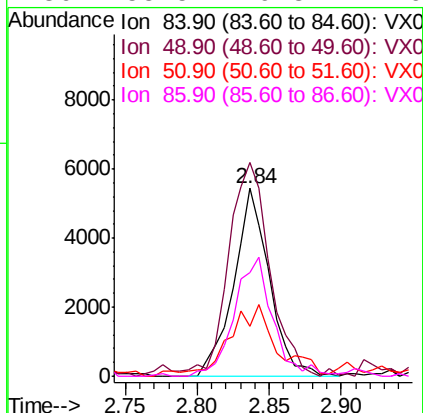
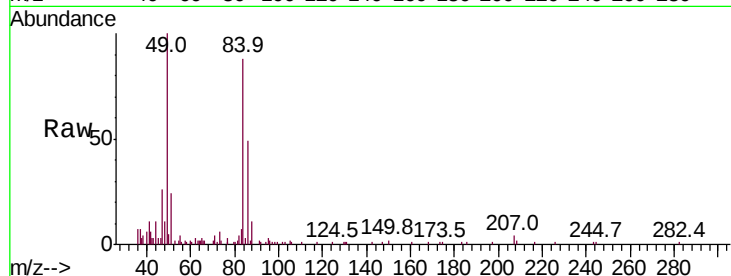




#20
Methvlene Chloride
Concen: 0.755 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018408.D
Acq: 15 Sep 2020 15:46

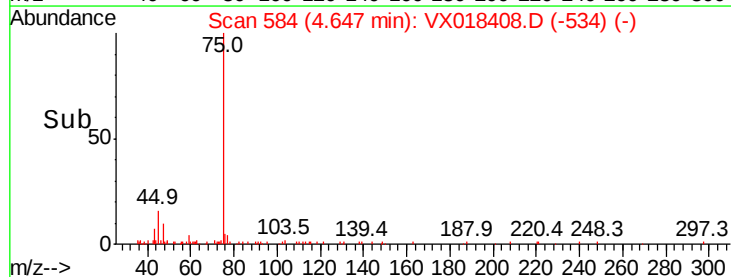
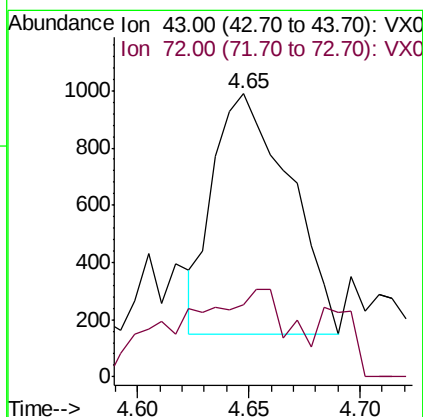
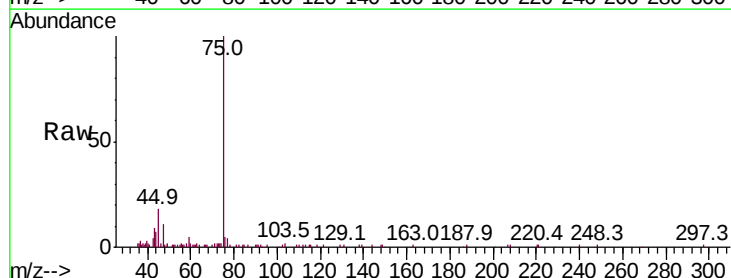
Instrument :
MSVOA_X
ClientSampleId :
PB131608TB

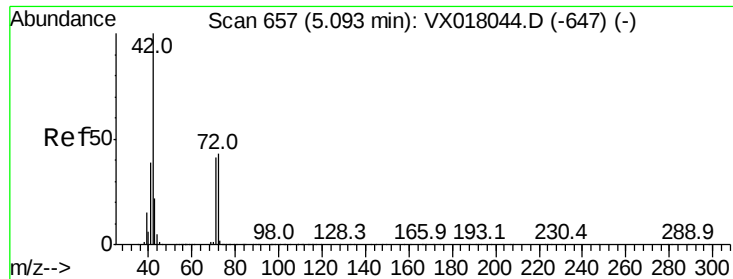
Tot Ion: 84 Resp: 9345
Ion Ratio Lower Upper
84 100
49 111.6 98.6 148.0
51 23.9 29.6 44.4#
86 55.5 49.8 74.6



#25
2-Butanone
Concen: 0.508 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018408.D
Acq: 15 Sep 2020 15:46

Tgt Ion: 43 Resp: 2001
Ion Ratio Lower Upper
43 100
72 29.2 19.8 29.6





#29

Tetrahydrofuran

Concen: 0.522 ug/l

RT: 5.11 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX018408.D

Acq: 15 Sep 2020 15:46

Instrument :

MSVOA_X

ClientSampleId :

PB131608TB

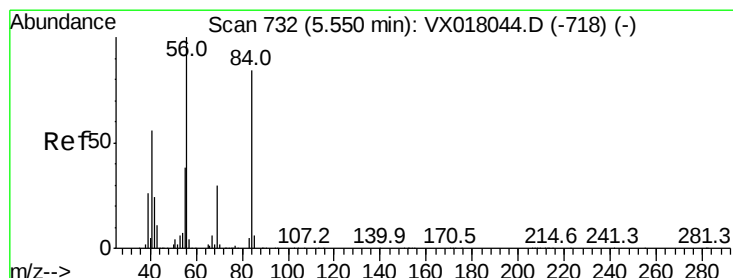
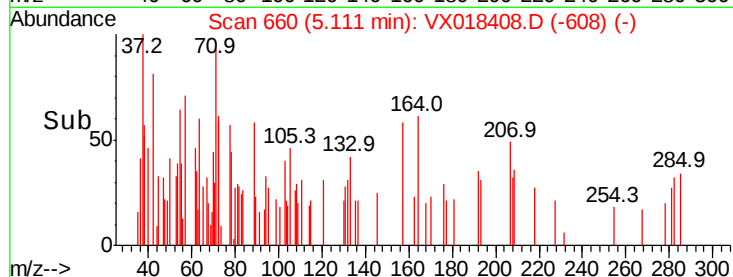
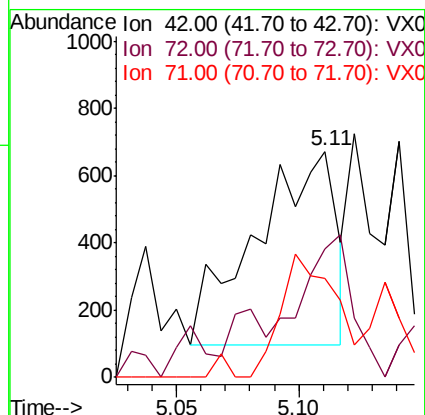
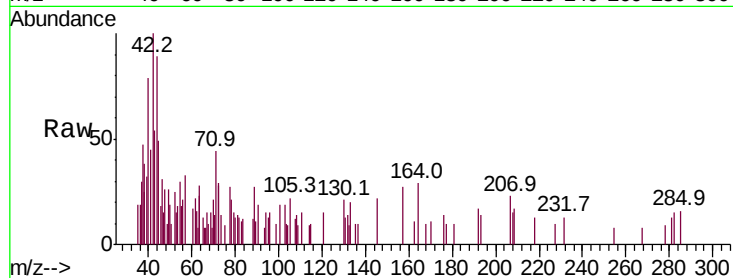
Tot Ion: 42 Resp: 1309

Ion Ratio Lower Upper

42 100

72 48.3 34.2 51.4

71 43.5 32.1 48.1



#31

Cyclohexane

Concen: 1.399 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.07 min

Lab File: VX018408.D

Acq: 15 Sep 2020 15:46

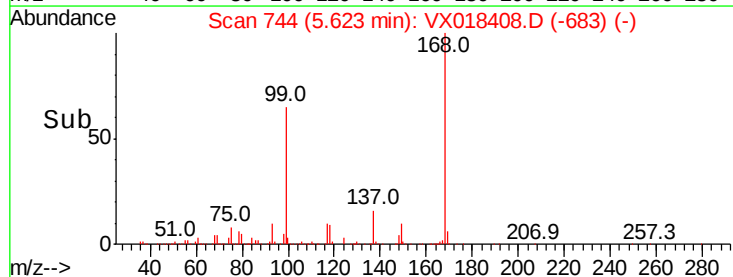
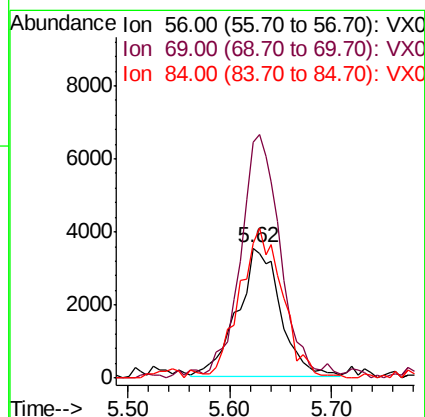
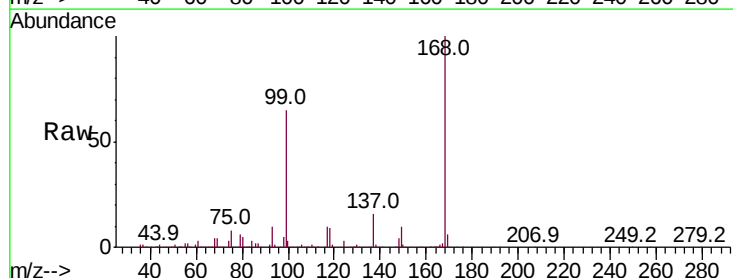
Tgt Ion: 56 Resp: 10305

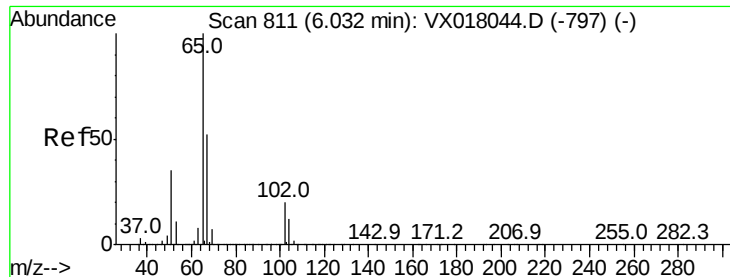
Ion Ratio Lower Upper

56 100

69 183.5 23.9 35.9#

84 103.9 67.0 100.4#





#33

1,2-Dichloroethane-d4

Concen: 52.023 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018408.D

Acq: 15 Sep 2020 15:46

Instrument :

MSVOA_X

ClientSampleId :

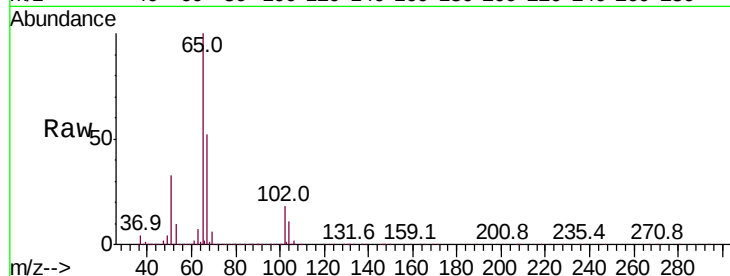
PB131608TB

Tot Ion: 65 Resp: 320258

Ion Ratio Lower Upper

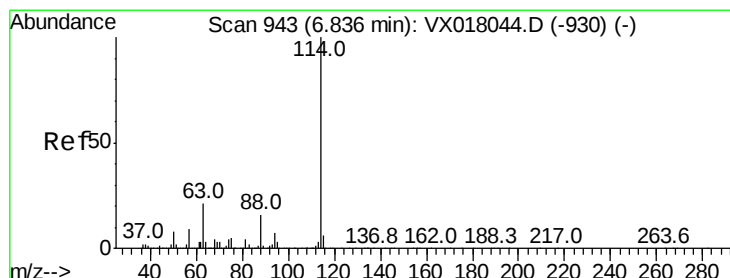
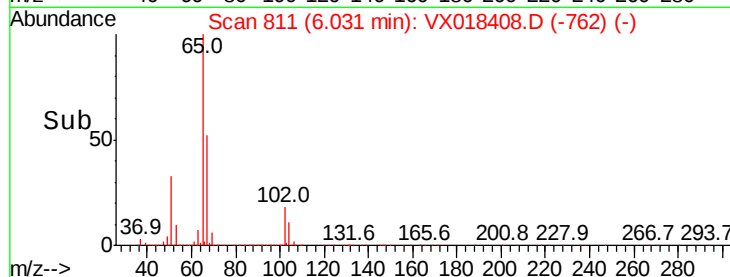
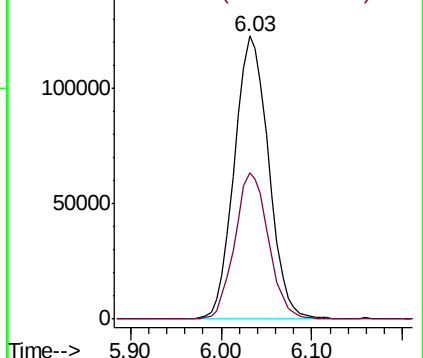
65 100

67 51.2 0.0 105.8



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: 6.84 min Scan# 943

Delta R.T. -0.00 min

Lab File: VX018408.D

Acq: 15 Sep 2020 15:46

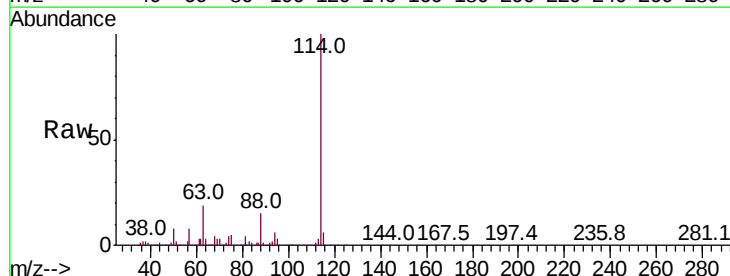
Tgt Ion: 114 Resp: 713684

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.6

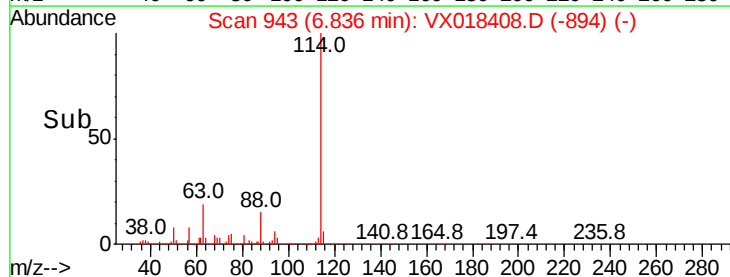
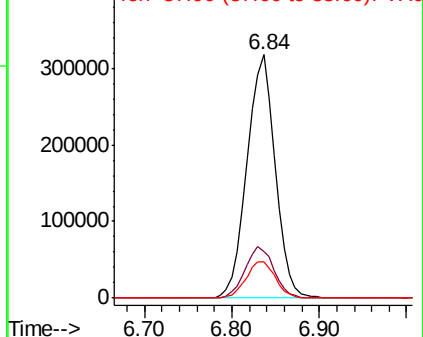
88 14.6 0.0 31.8

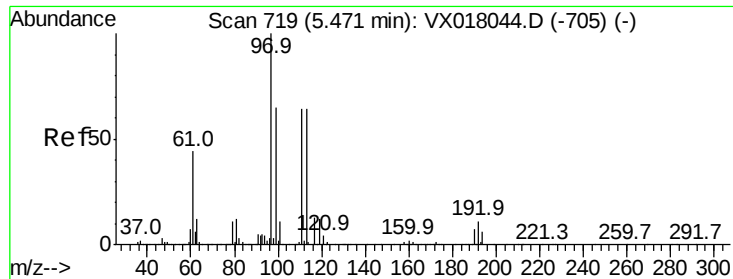


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

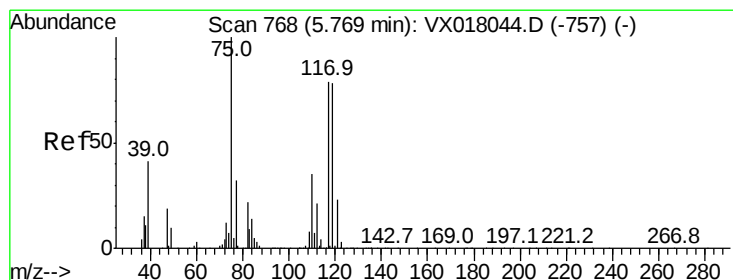
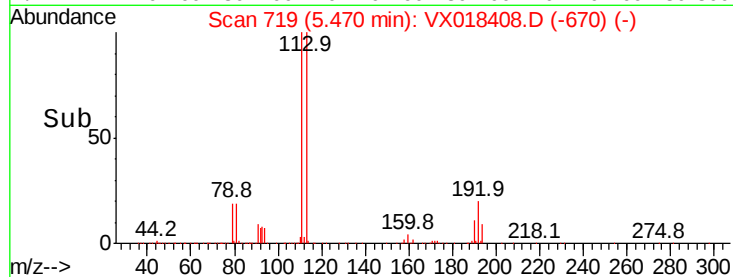
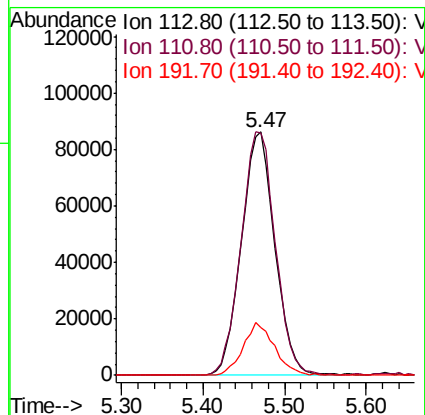
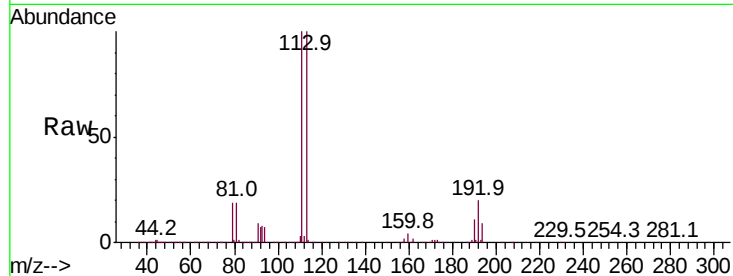




#35
Dibromofluoromethane
Concen: 50.441 ug/l
RT: 5.47 min Scan# 719
Delta R.T. -0.00 min
Lab File: VX018408.D
Acq: 15 Sep 2020 15:46

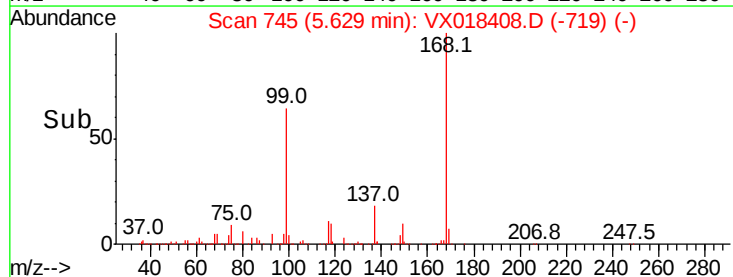
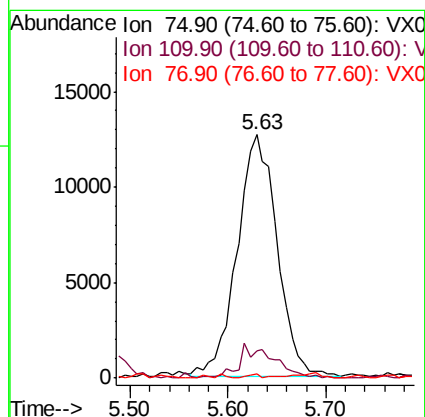
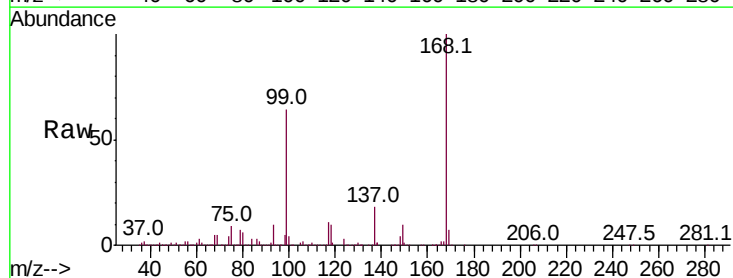
Instrument :
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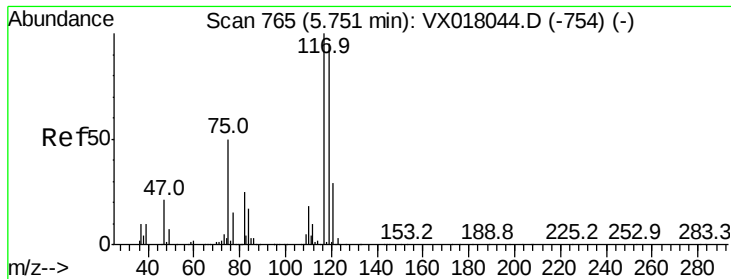
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.6	122.4
192	20.5	15.8	23.8



#36
1,1-Dichloropropene
Concen: 5.477 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.14 min
Lab File: VX018408.D
Acq: 15 Sep 2020 15:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.2	18.0	54.0#
77	0.7	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 6.295 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018408.D

Acq: 15 Sep 2020 15:46

Instrument :

MSVOA_X

ClientSampleId :

PB131608TB

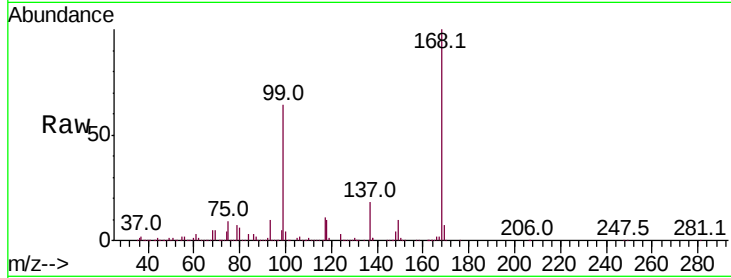
Tot Ion:117 Resp: 46701

Ion Ratio Lower Upper

117 100

119 5.6 75.8 113.6#

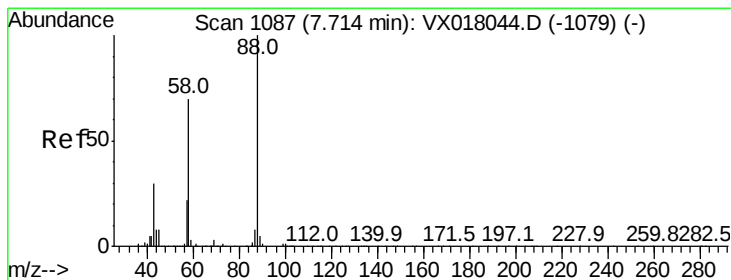
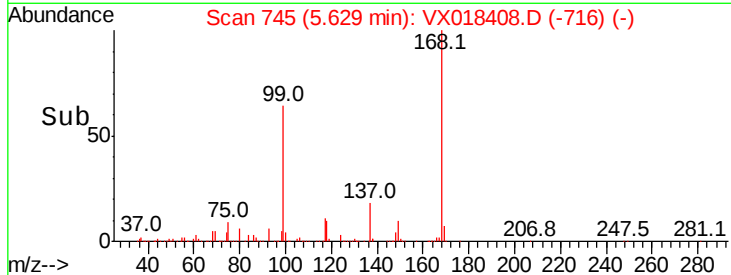
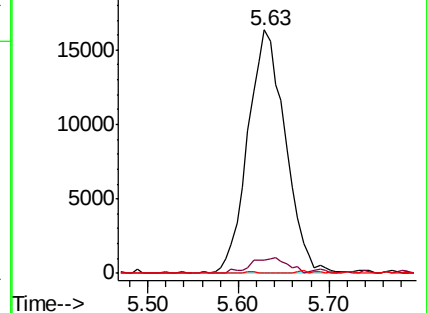
121 0.0 23.4 35.0#



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: 1.724 ug/l

RT: 7.69 min Scan# 1083

Delta R.T. -0.02 min

Lab File: VX018408.D

Acq: 15 Sep 2020 15:46

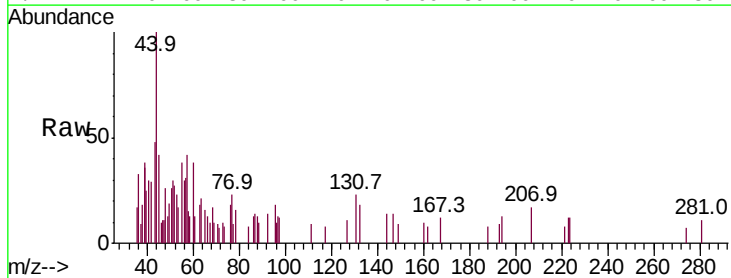
Tgt Ion: 88 Resp: 192

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

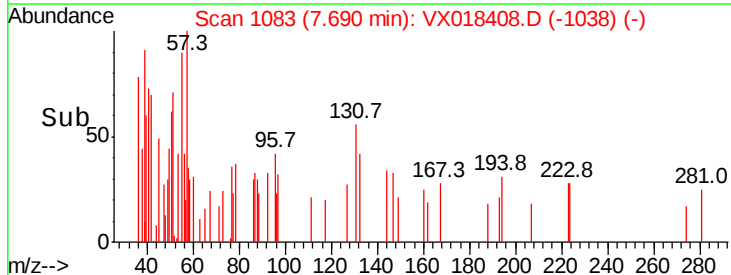
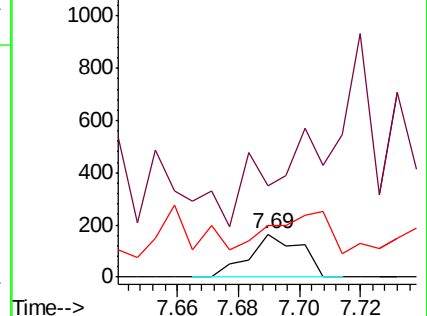
58 0.0 56.4 84.6#

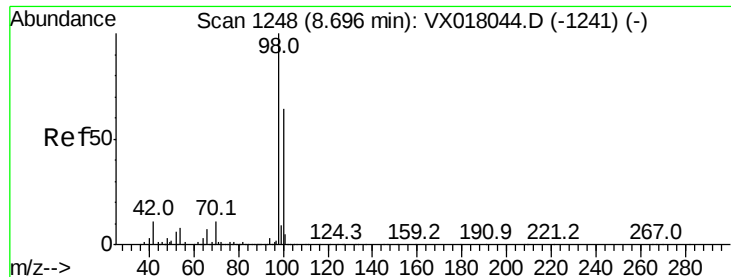


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 47.706 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018408.D

Acq: 15 Sep 2020 15:46

Instrument :

MSVOA_X

ClientSampleId :

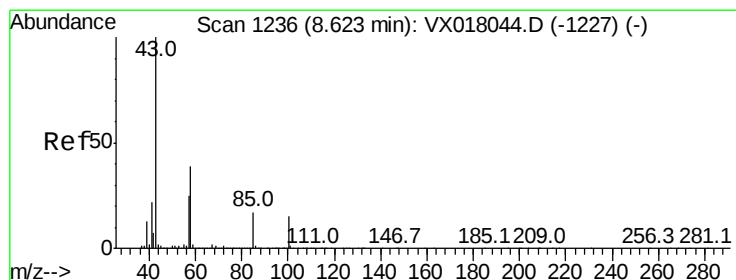
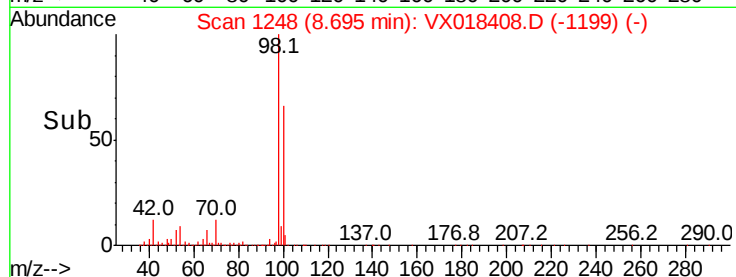
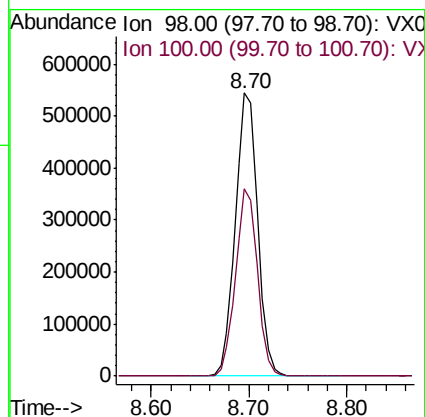
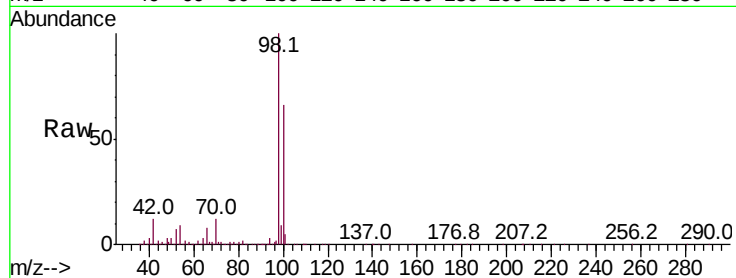
PB131608TB

Tot Ion: 98 Resp: 863638

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 0.485 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX018408.D

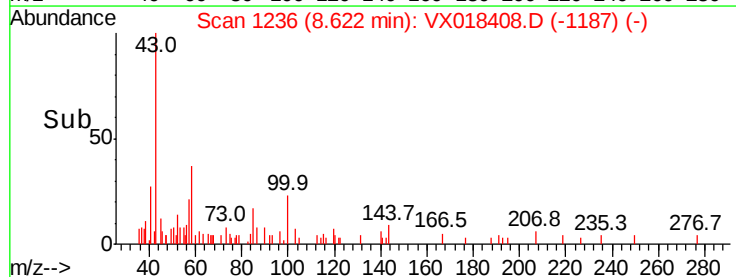
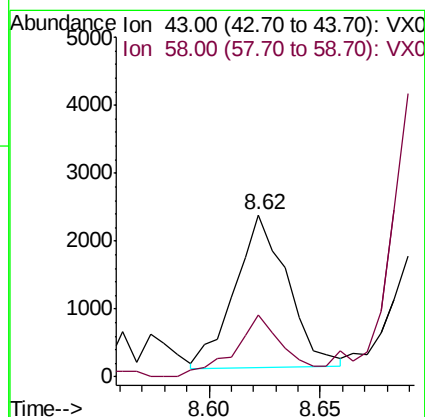
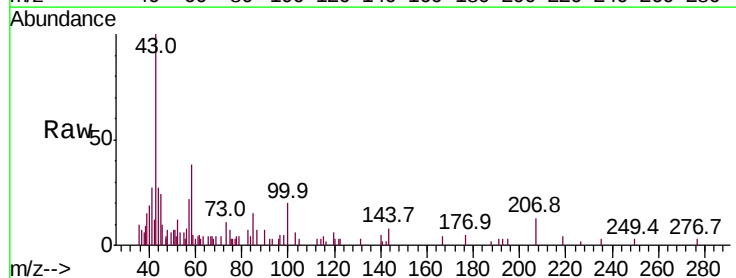
Acq: 15 Sep 2020 15:46

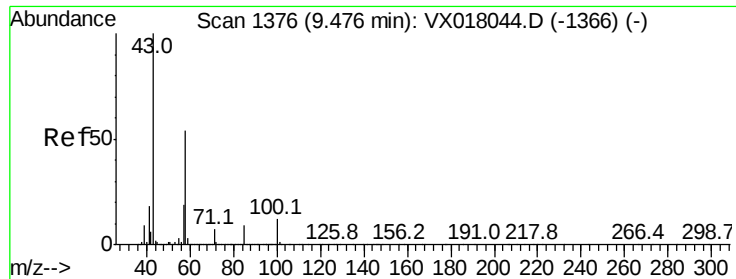
Tgt Ion: 43 Resp: 3702

Ion Ratio Lower Upper

43 100

58 39.5 30.7 46.1

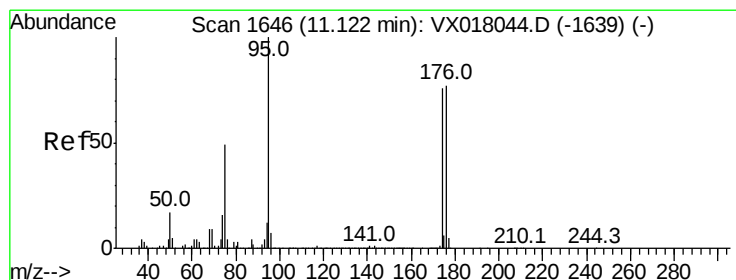
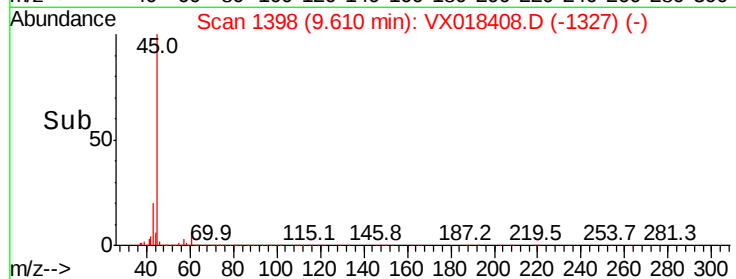
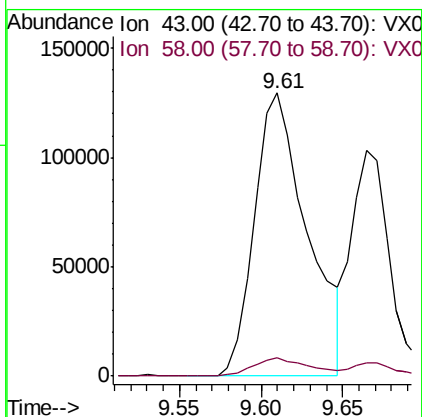
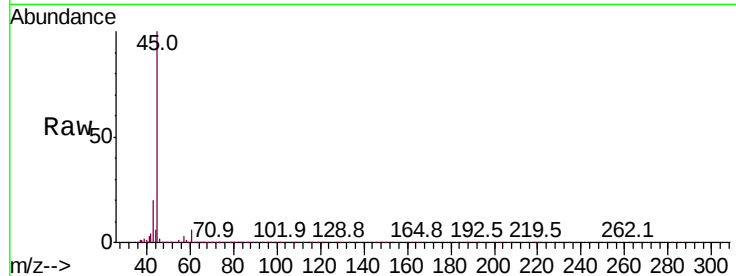




#59
2-Hexanone
Concen: 50.015 ug/l
RT: 9.61 min Scan# 1398
Delta R.T. 0.13 min
Lab File: VX018408.D
Acq: 15 Sep 2020 15:46

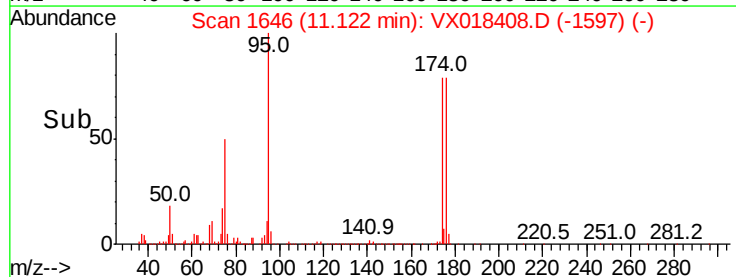
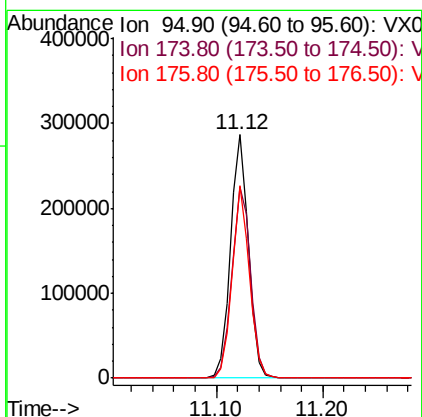
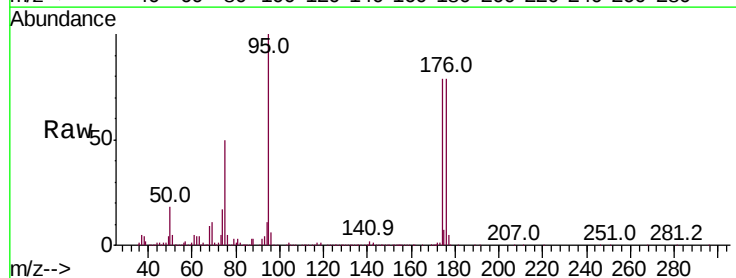
Instrument :
MSVOA_X
ClientSampled :
PB131608TB

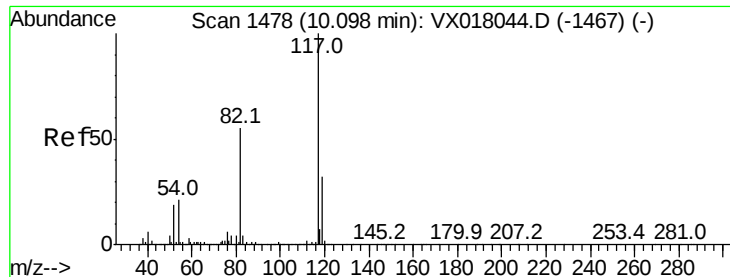
Tot Ion: 43 Resp: 290095
Ion Ratio Lower Upper
43 100
58 6.6 26.6 79.7#



#62
4-Bromofluorobenzene
Concen: 47.556 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018408.D
Acq: 15 Sep 2020 15:46

Tgt Ion: 95 Resp: 338721
Ion Ratio Lower Upper
95 100
174 82.3 0.0 160.2
176 76.5 0.0 155.8

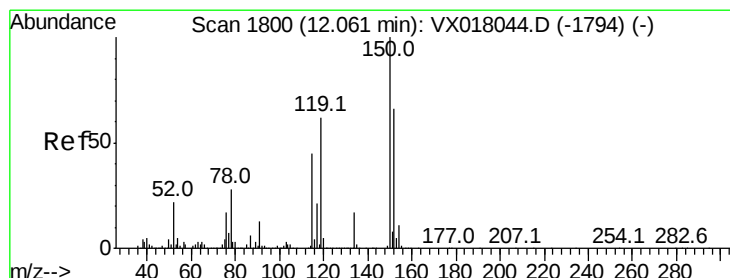
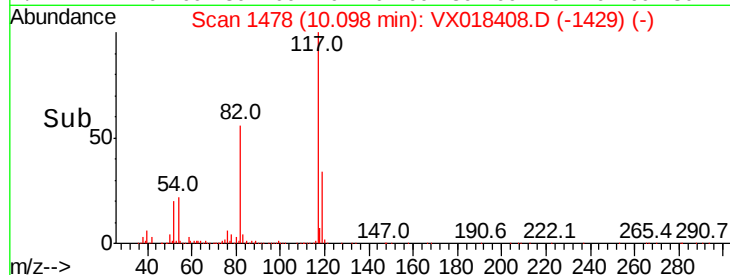
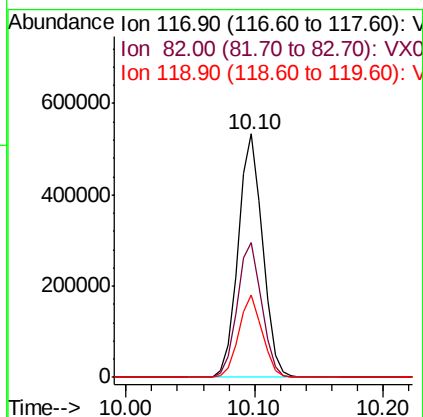
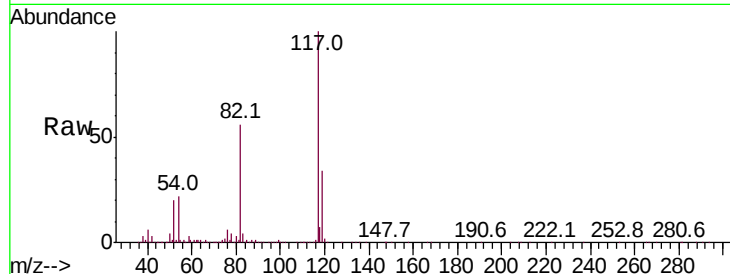




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018408.D
Acq: 15 Sep 2020 15:46

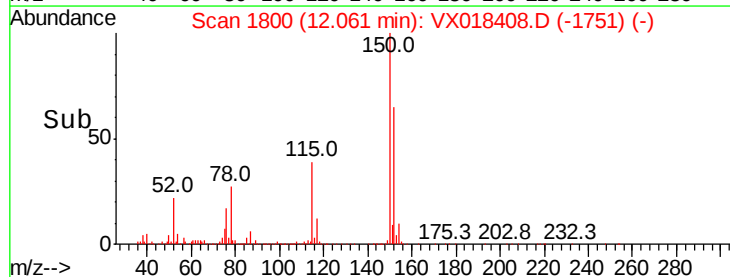
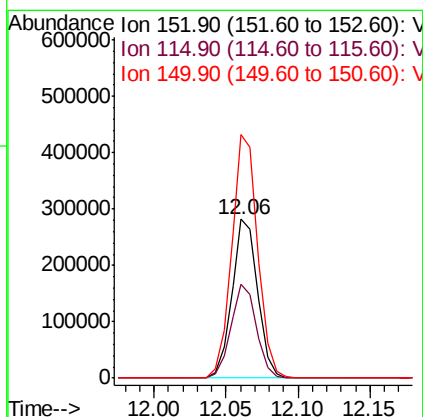
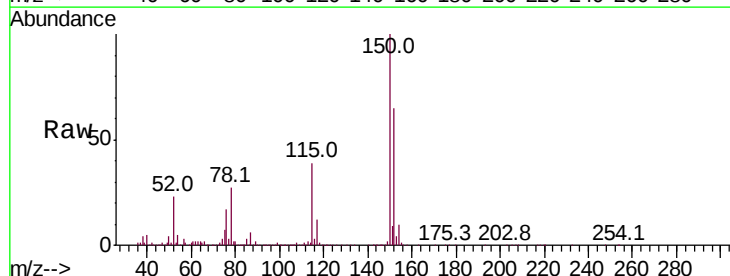
Instrument :
MSVOA_X
ClientSampleId :
PB131608TB

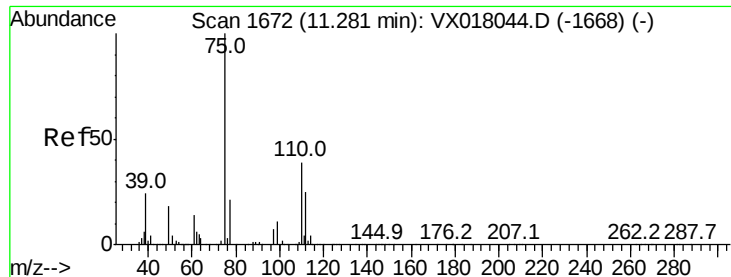
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.2	66.2
119	33.6	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018408.D
Acq: 15 Sep 2020 15:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	41.5	124.5
150	155.1	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 22.208 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018408.D

Acq: 15 Sep 2020 15:46

Instrument :

MSVOA_X

ClientSampleId :

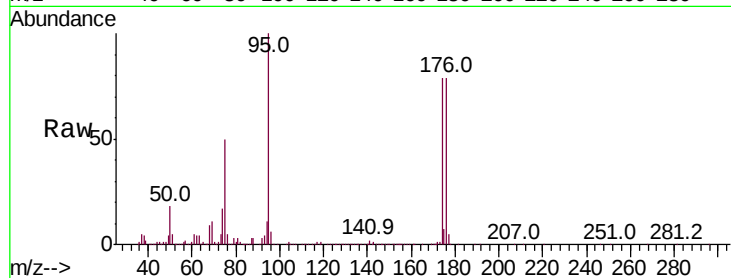
PB131608TB

Tot Ion: 75 Resp: 173616

Ion Ratio Lower Upper

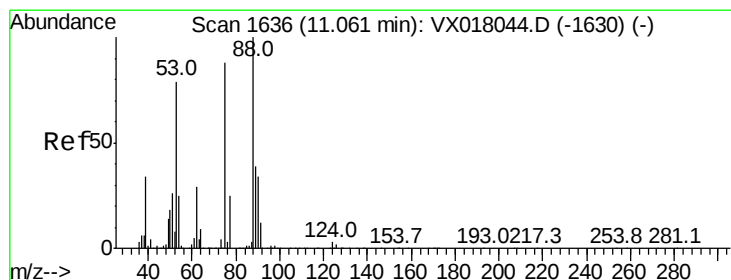
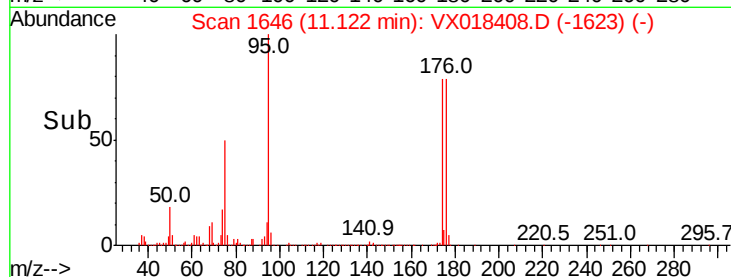
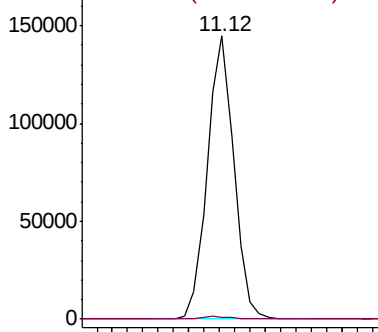
75 100

77 1.5 20.8 62.2#



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: 59.979 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018408.D

Acq: 15 Sep 2020 15:46

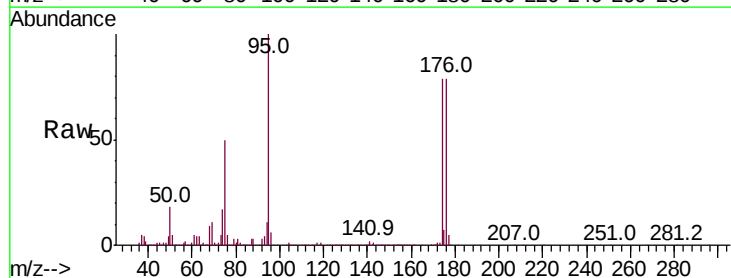
Tgt Ion: 75 Resp: 173616

Ion Ratio Lower Upper

75 100

53 0.4 74.7 112.1#

89 0.2 36.6 54.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

