

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091520\
 Data File : VX018407.D
 Acq On : 15 Sep 2020 15:23
 Operator : JC/SP
 Sample : PB131607TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131607TB

Quant Time: Sep 16 03:36:55 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	463949	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	736373	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	719007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	355447	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	327590	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
35) Dibromofluoromethane	5.46	113	257054	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	
50) Toluene-d8	8.70	98	920918	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
62) 4-Bromofluorobenzene	11.12	95	347092	47.23	ug/l	0.00
Spiked Amount			Recovery	=	94.46%	

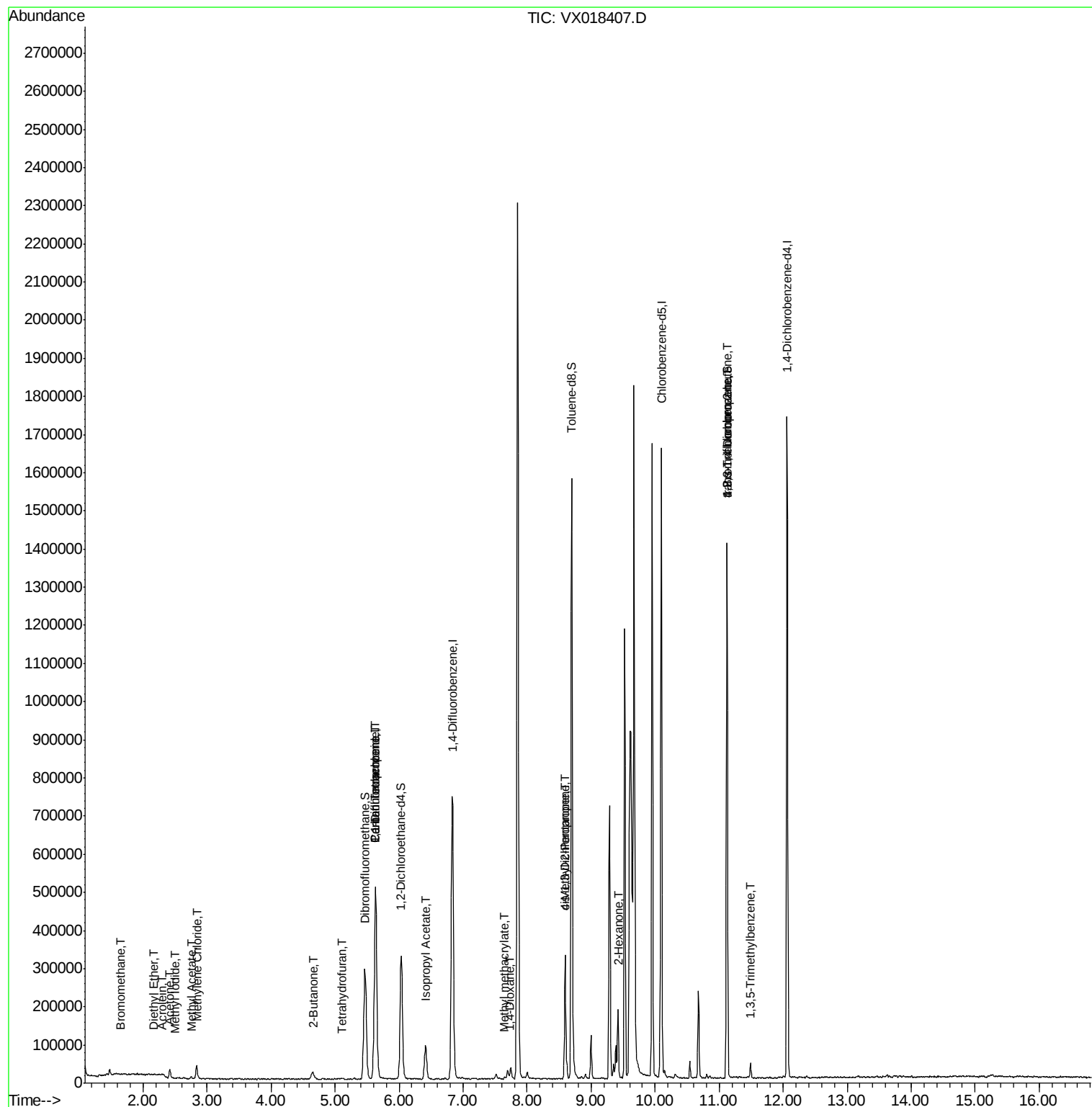
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	931	0.326	ug/l #	62
8) Diethyl Ether	2.17	74	755	0.275	ug/l	64
10) Methyl Iodide	2.50	142	846	5.448	ug/l #	46
13) Acrolein	2.29	56	1053	2.028	ug/l #	64
16) Acetone	2.42	43	24612	9.807	ug/l	92
18) Methyl Acetate	2.75	43	8136	1.343	ug/l	98
20) Methylene Chloride	2.84	84	15680	1.933	ug/l	96
25) 2-Butanone	4.65	43	8813	2.137	ug/l #	80
29) Tetrahydrofuran	5.09	42	2240	0.853	ug/l #	74
36) 1,1-Dichloropropene	5.64	75	36078	5.312	ug/l #	52
38) Carbon Tetrachloride	5.63	117	47995	6.270	ug/l #	17
43) Isopropyl Acetate	6.41	43	118467	9.298	ug/l	98
48) Methyl methacrylate	7.65	41	6582	1.038	ug/l #	18
49) 1,4-Dioxane	7.72	88	101	0.879	ug/l #	23
51) 4-Methyl-2-Pentanone	8.59	43	121720	15.466	ug/l #	48
54) cis-1,3-Dichloropropene	8.59	75	49771	5.613	ug/l #	63
59) 2-Hexanone	9.42	43	116733	19.506	ug/l #	25
76) 1,2,3-Trichloropropane	11.12	75	180400	22.815	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	15782	0.819	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.12	75	180400	61.620	ug/l #	12

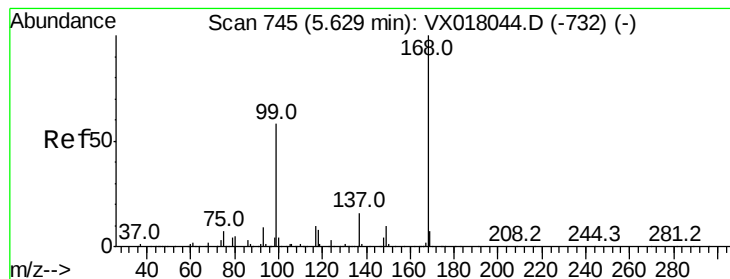
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091520\
Data File : VX018407.D
Acq On : 15 Sep 2020 15:23
Operator : JC/SP
Sample : PB131607TB
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB131607TB

Quant Time: Sep 16 03:36:55 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# 745

Delta R.T. -0.00 min

Lab File: VX018407.D

Acq: 15 Sep 2020 15:23

Instrument :

MSVOA_X

ClientSampleId :

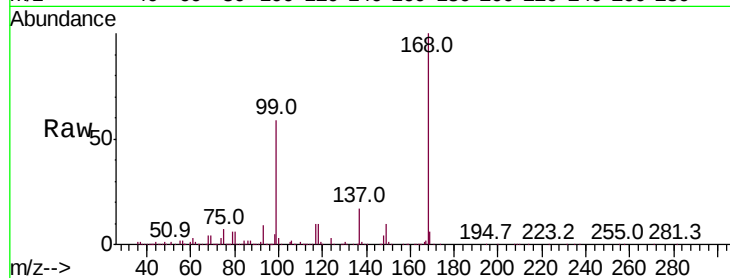
PB131607TB

Tot Ion:168 Resp: 463949

Ion Ratio Lower Upper

168 100

99 58.9 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

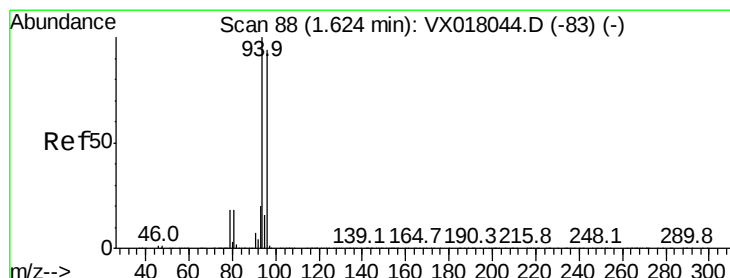
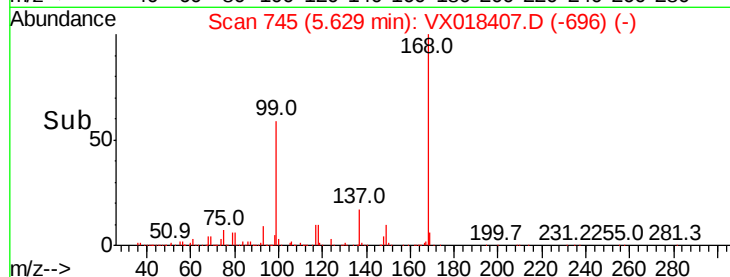
100000

50000

0

Time-->

5.50 5.60 5.70



#5

Bromomethane

Concen: 0.326 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018407.D

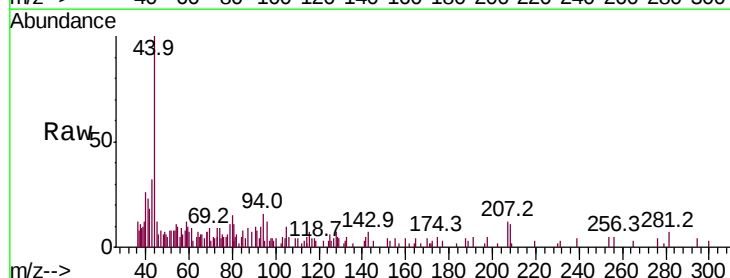
Acq: 15 Sep 2020 15:23

Tgt Ion: 94 Resp: 931

Ion Ratio Lower Upper

94 100

96 57.3 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

600

500

400

300

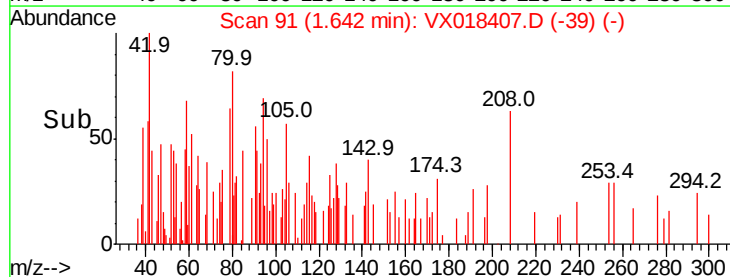
200

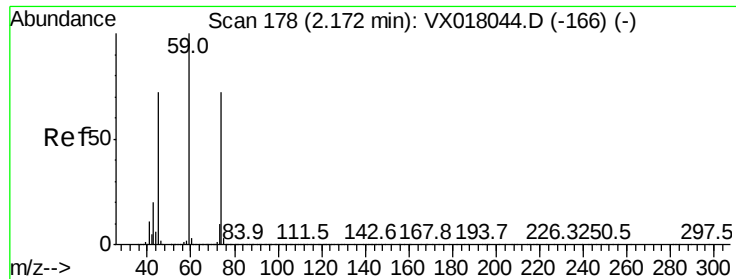
100

0

Time-->

1.60 1.65 1.70





#8

Diethyl Ether

Concen: 0.275 ug/l

RT: 2.17 min Scan# 177

Delta R.T. -0.01 min

Lab File: VX018407.D

Acq: 15 Sep 2020 15:23

Instrument :

MSVOA_X

ClientSampled :

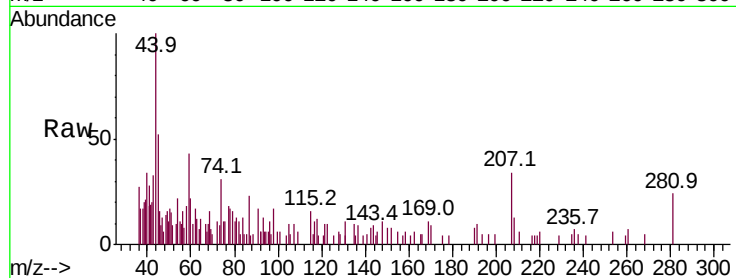
PB131607TB

Tot Ion: 74 Resp: 755

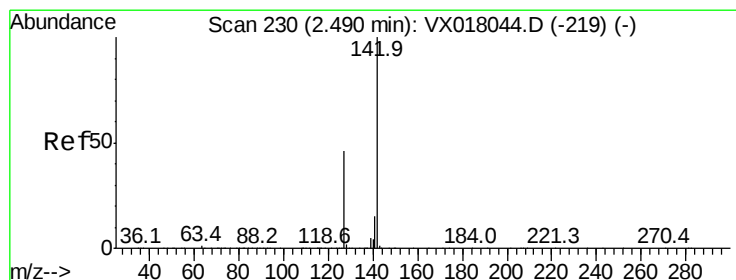
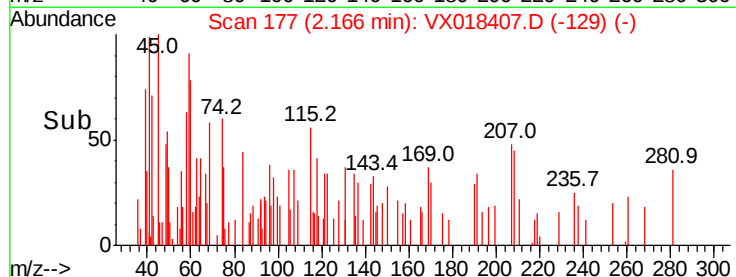
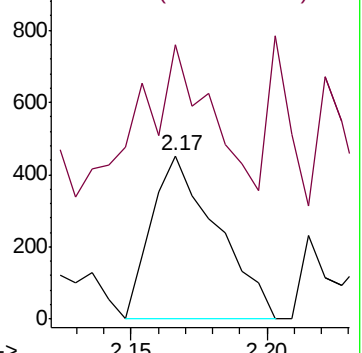
Ion Ratio Lower Upper

74 100

45 137.7 50.7 152.3



Abundance Ion 74.00 (73.70 to 74.70): VX0



#10

Methyl Iodide

Concen: 5.448 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018407.D

Acq: 15 Sep 2020 15:23

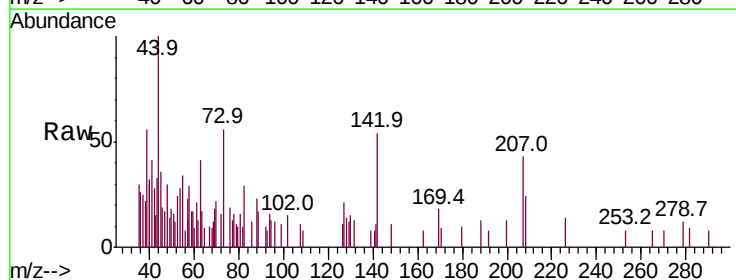
Tgt Ion: 142 Resp: 846

Ion Ratio Lower Upper

142 100

127 0.0 37.0 55.6#

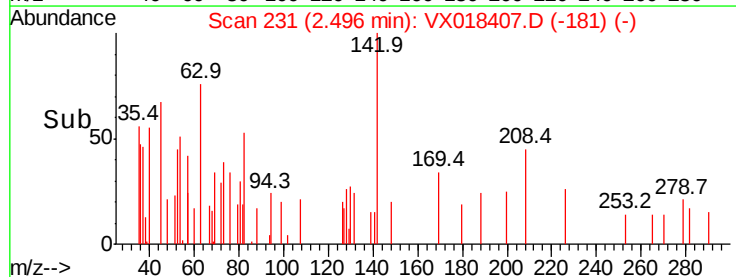
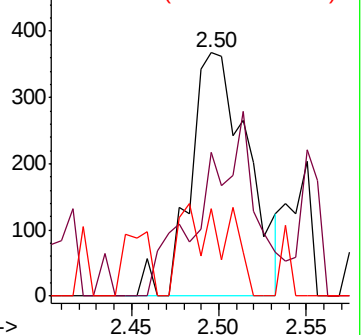
141 13.8 11.5 17.3

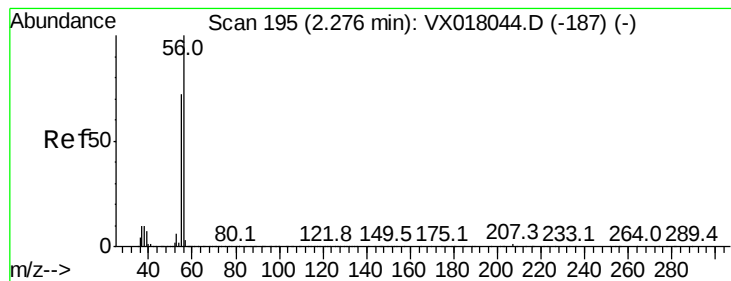


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 2.028 ug/l

RT: 2.29 min Scan# 197

Delta R.T. 0.01 min

Lab File: VX018407.D

Acq: 15 Sep 2020 15:23

Instrument :

MSVOA_X

ClientSampleId :

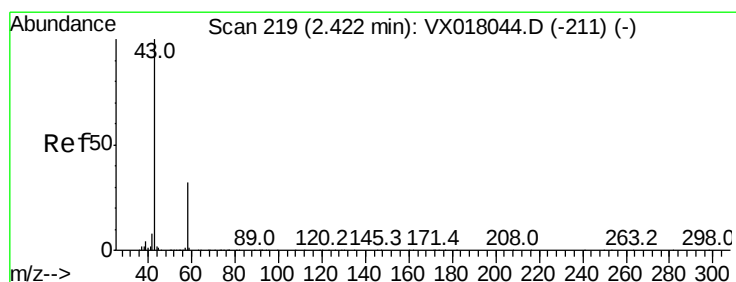
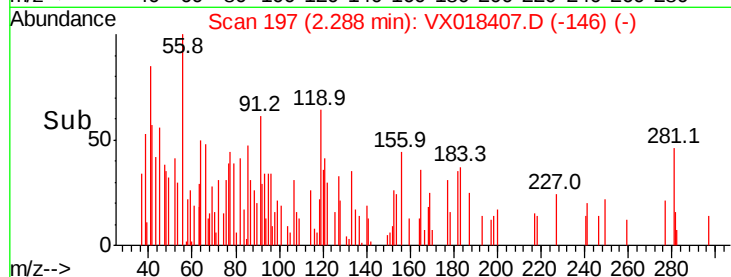
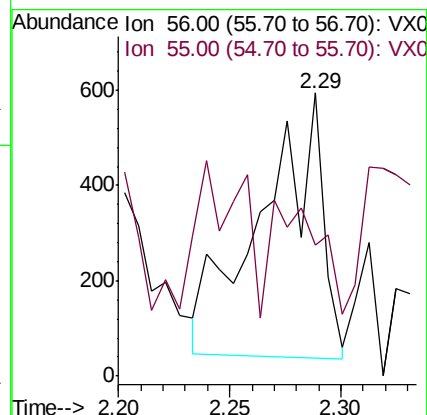
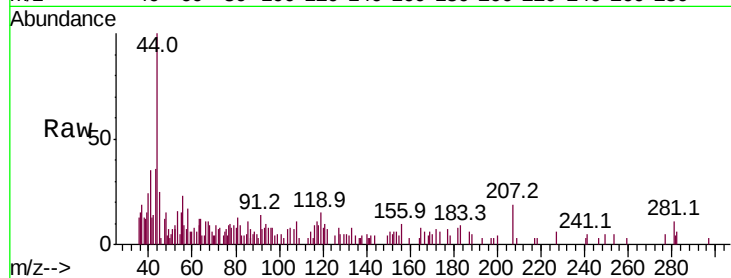
PB131607TB

Tot Ion: 56 Resp: 1053

Ion Ratio Lower Upper

56 100

55 41.6 57.0 85.6#



#16

Acetone

Concen: 9.807 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX018407.D

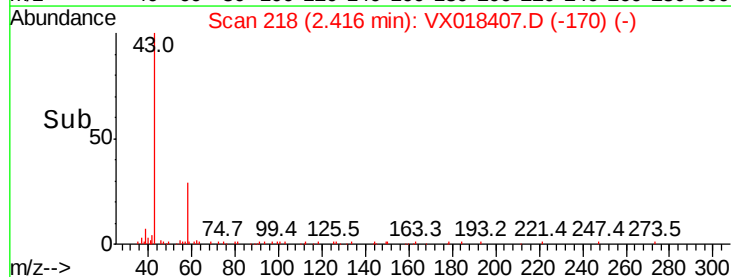
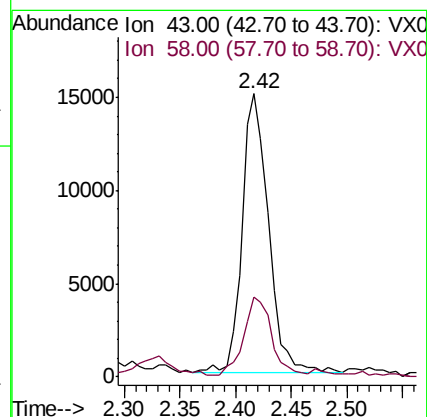
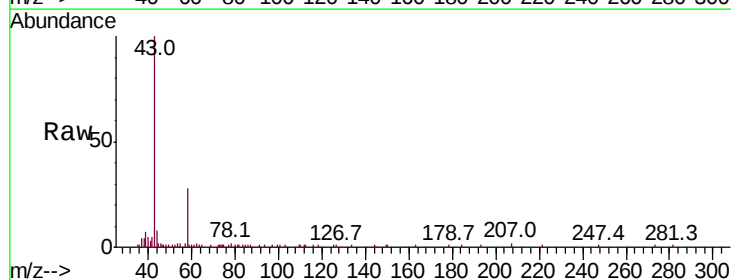
Acq: 15 Sep 2020 15:23

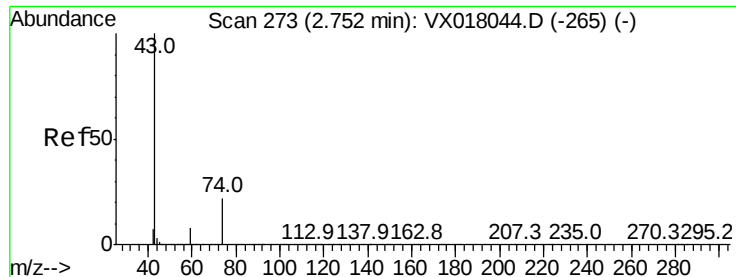
Tgt Ion: 43 Resp: 24612

Ion Ratio Lower Upper

43 100

58 27.3 25.5 38.3

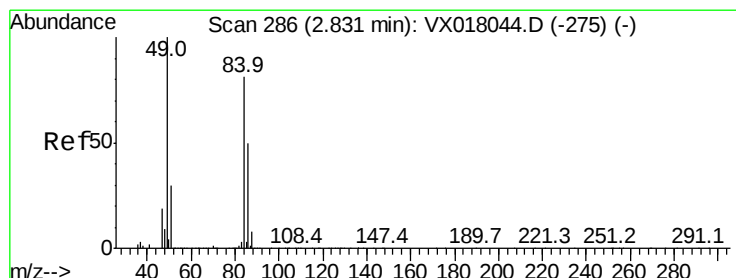
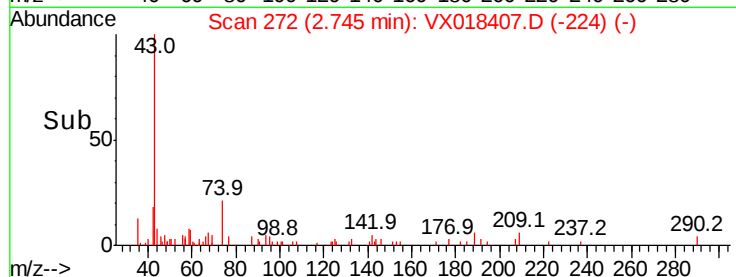
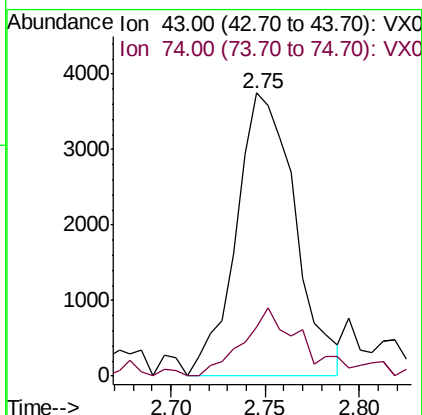
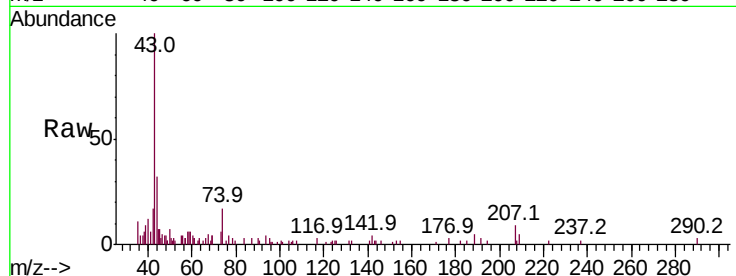




#18
Methyl Acetate
Concen: 1.343 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX018407.D
Acq: 15 Sep 2020 15:23

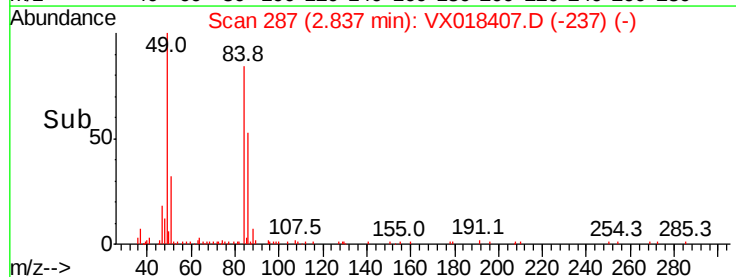
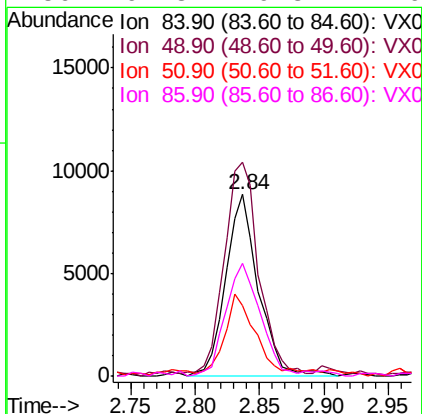
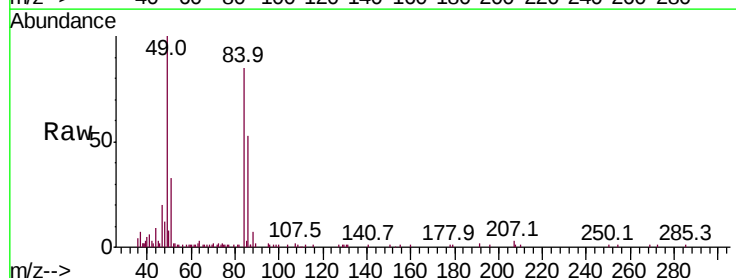
Instrument :
MSVOA_X
ClientSampleId :
PB131607TB

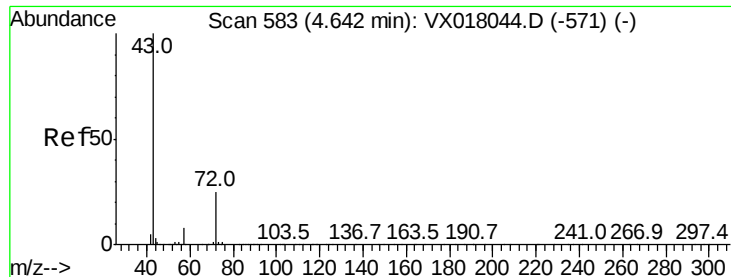
Tot Ion: 43 Resp: 8136
Ion Ratio Lower Upper
43 100
74 23.6 18.2 27.4



#20
Methylene Chloride
Concen: 1.933 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018407.D
Acq: 15 Sep 2020 15:23

Tgt Ion: 84 Resp: 15680
Ion Ratio Lower Upper
84 100
49 115.6 98.6 148.0
51 36.0 29.6 44.4
86 62.3 49.8 74.6





#25

2-Butanone

Concen: 2.137 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX018407.D

Acq: 15 Sep 2020 15:23

Instrument :

MSVOA_X

ClientSampleId :

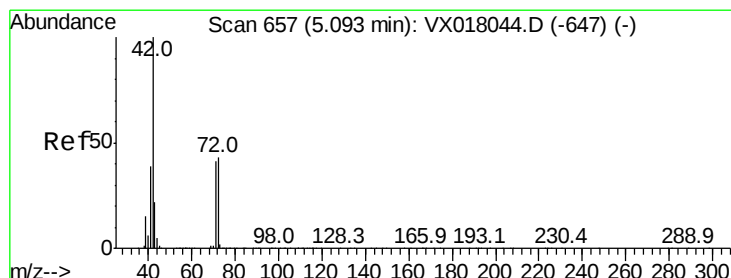
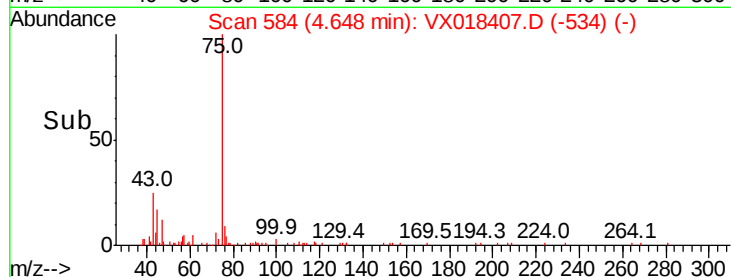
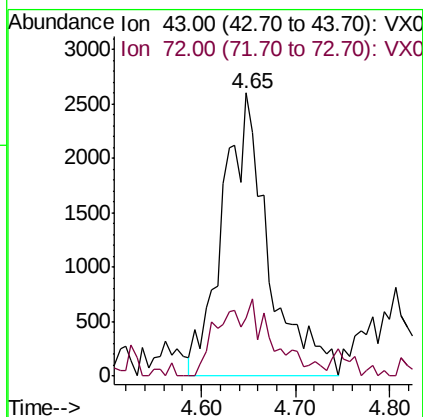
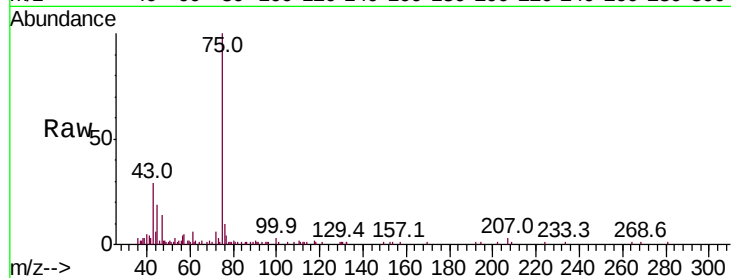
PB131607TB

Tot Ion: 43 Resp: 8813

Ion Ratio Lower Upper

43 100

72 15.0 19.8 29.6#



#29

Tetrahydrofuran

Concen: 0.853 ug/l

RT: 5.09 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX018407.D

Acq: 15 Sep 2020 15:23

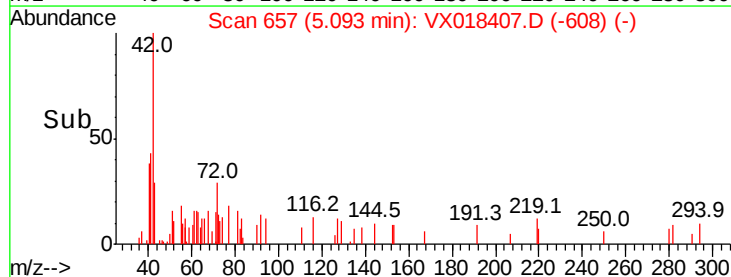
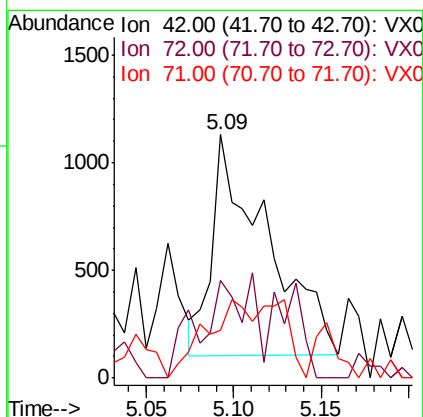
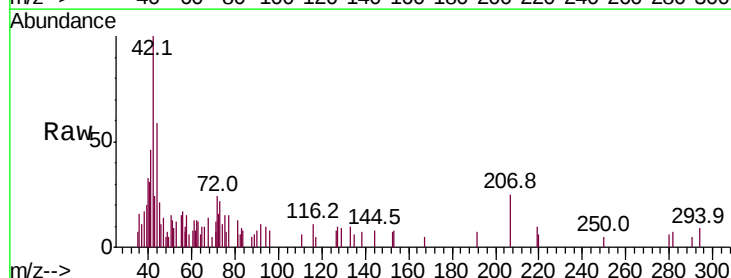
Tgt Ion: 42 Resp: 2240

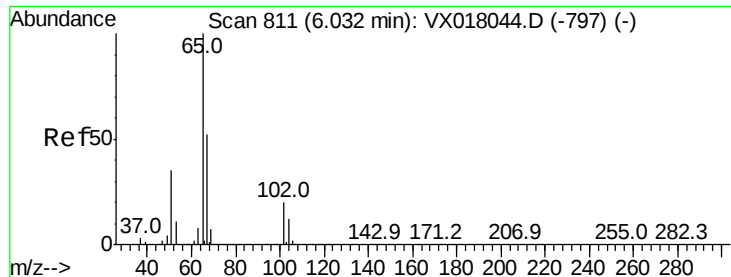
Ion Ratio Lower Upper

42 100

72 21.2 34.2 51.4#

71 29.7 32.1 48.1#





#33

1,2-Dichloroethane-d4

Concen: 50.862 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018407.D

Acq: 15 Sep 2020 15:23

Instrument :

MSVOA_X

ClientSampleId :

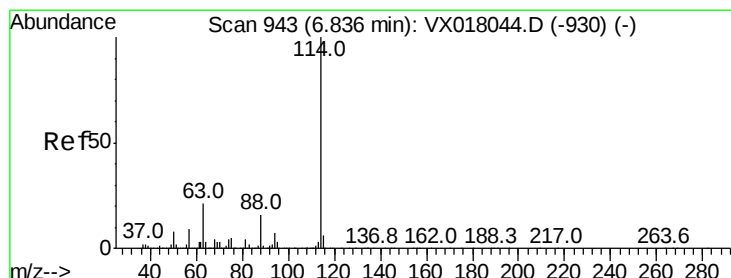
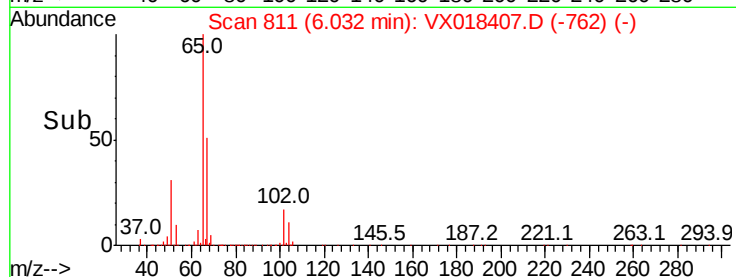
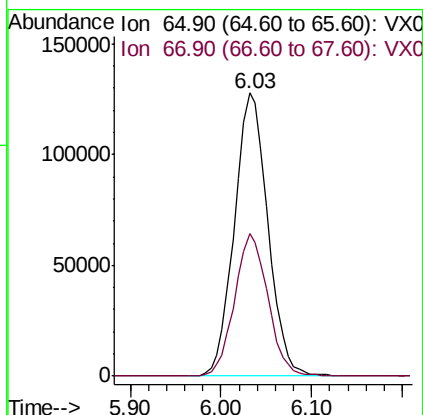
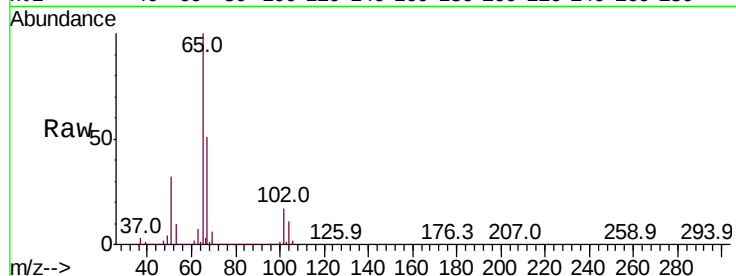
PB131607TB

Tot Ion: 65 Resp: 327590

Ion Ratio Lower Upper

65 100

67 50.3 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018407.D

Acq: 15 Sep 2020 15:23

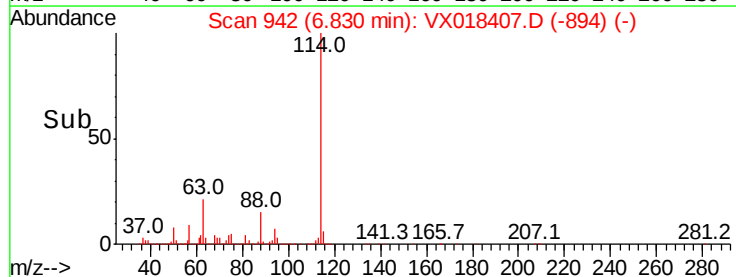
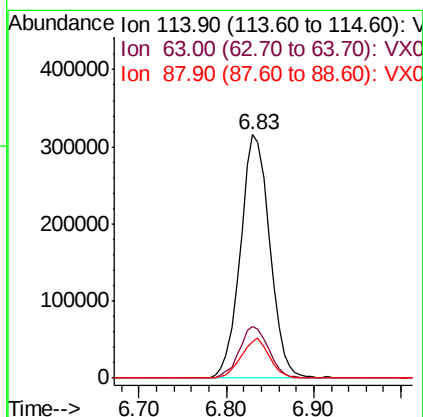
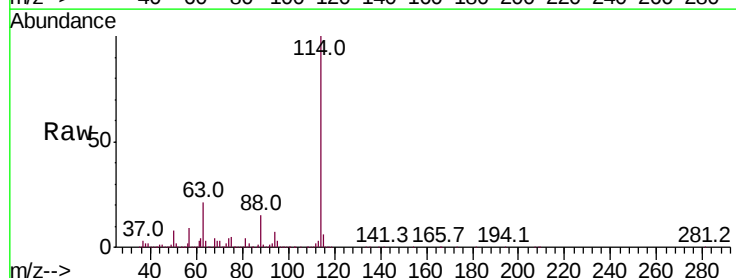
Tgt Ion: 114 Resp: 736373

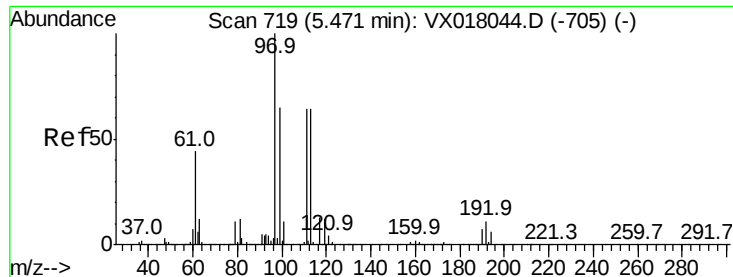
Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.6

88 15.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 51.256 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018407.D

Acq: 15 Sep 2020 15:23

Instrument :

MSVOA_X

ClientSampleId :

PB131607TB

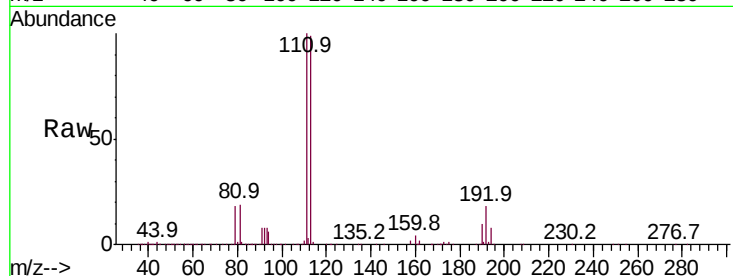
Tot Ion:113 Resp: 257054

Ion Ratio Lower Upper

113 100

111 102.9 81.6 122.4

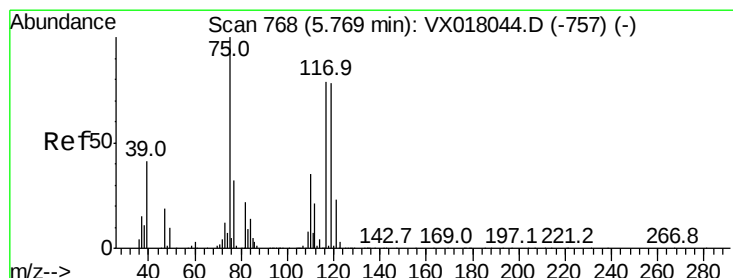
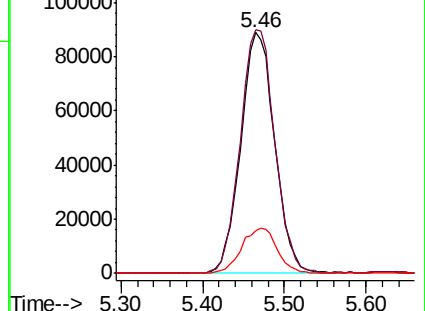
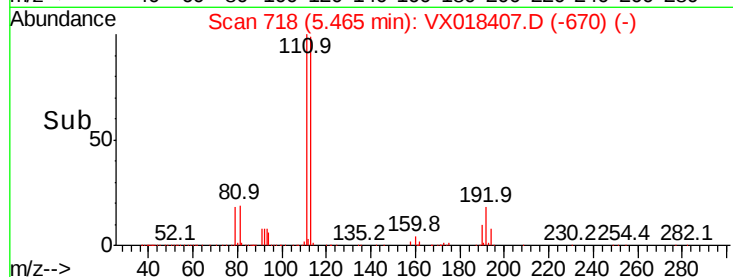
192 19.6 15.8 23.8



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: 5.312 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX018407.D

Acq: 15 Sep 2020 15:23

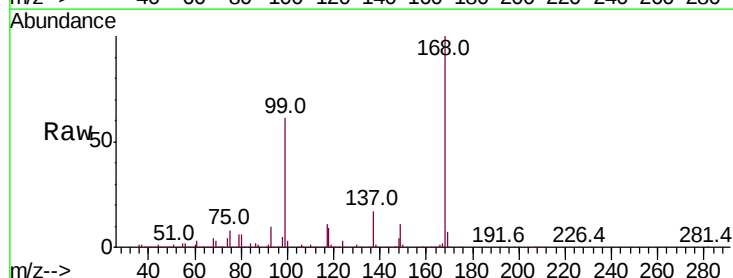
Tgt Ion: 75 Resp: 36078

Ion Ratio Lower Upper

75 100

110 11.9 18.0 54.0#

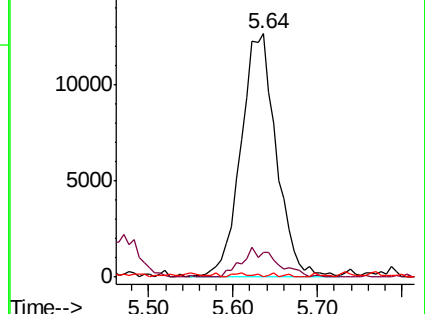
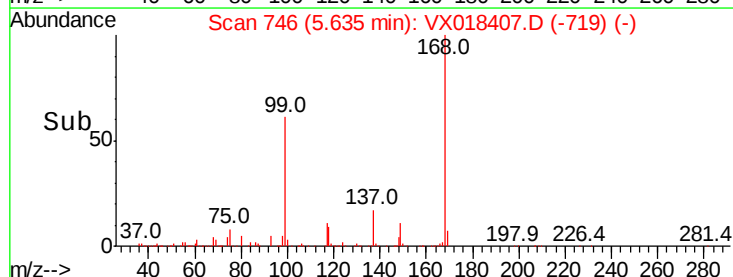
77 0.0 24.4 36.6#

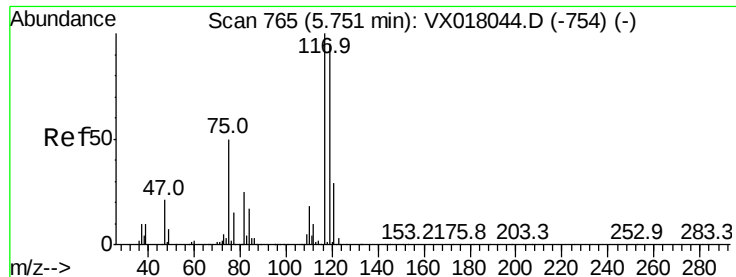


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.270 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018407.D

Acq: 15 Sep 2020 15:23

Instrument :

MSVOA_X

ClientSampleId :

PB131607TB

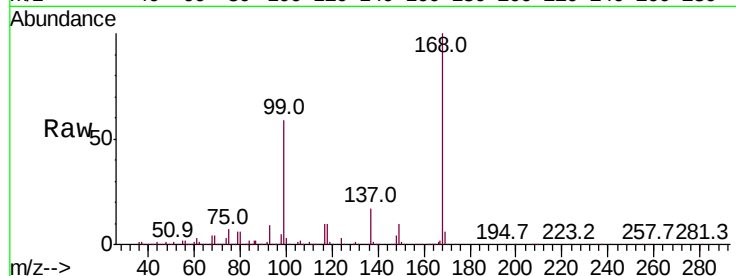
Tot Ion:117 Resp: 47995

Ion Ratio Lower Upper

117 100

119 5.7 75.8 113.6#

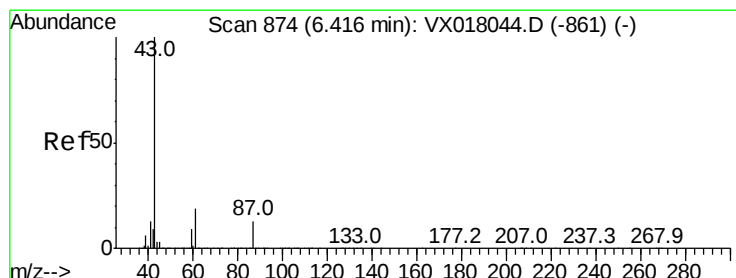
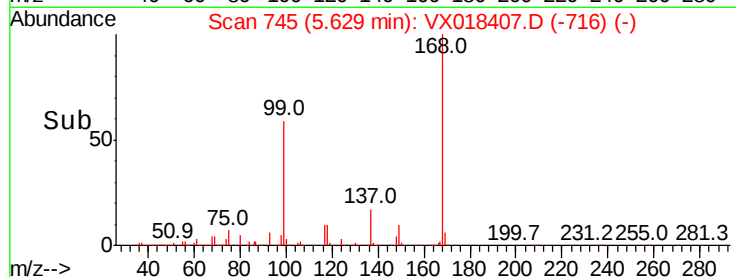
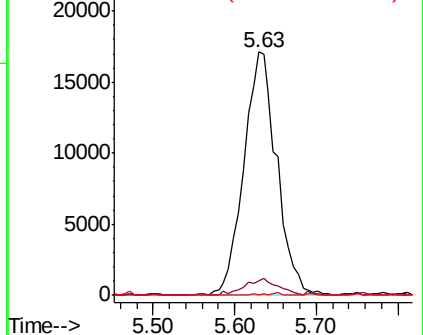
121 0.0 23.4 35.0#



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



#43

Isopropyl Acetate

Concen: 9.298 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.01 min

Lab File: VX018407.D

Acq: 15 Sep 2020 15:23

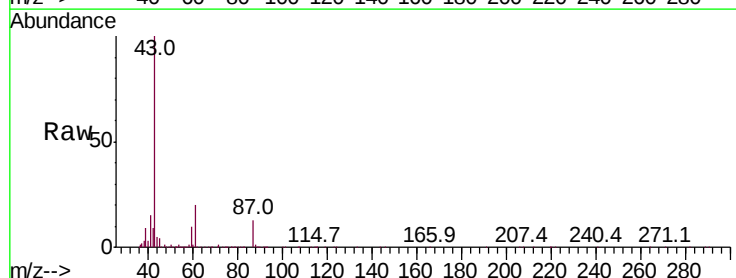
Tgt Ion: 43 Resp: 118467

Ion Ratio Lower Upper

43 100

61 20.1 15.7 23.5

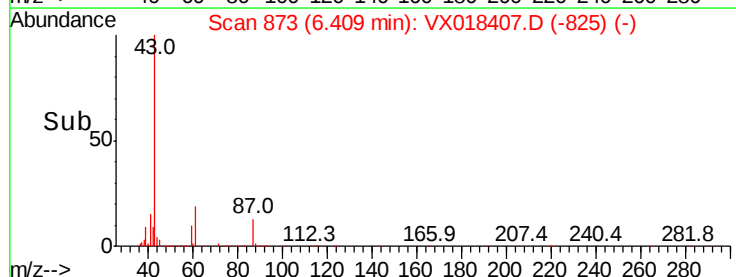
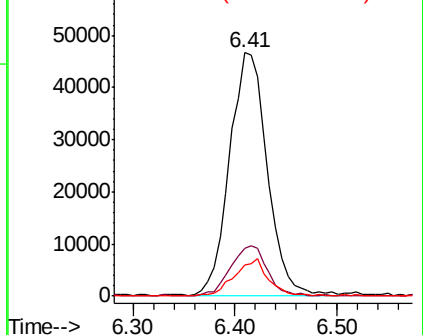
87 14.2 10.3 15.5

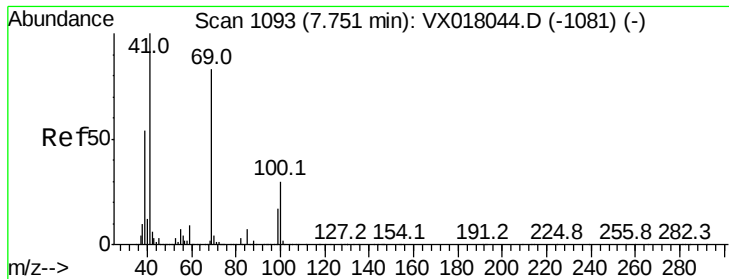


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

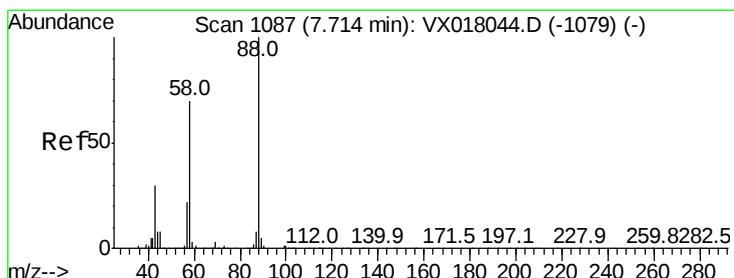
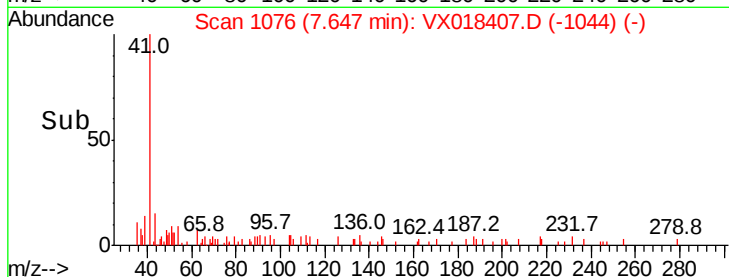
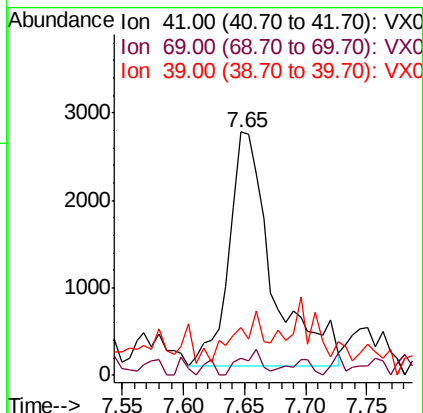
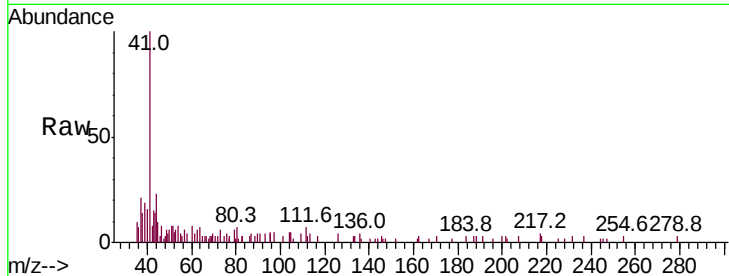




#48
Methyl methacrylate
Concen: 1.038 ug/l
RT: 7.65 min Scan# 1076
Delta R.T. -0.10 min
Lab File: VX018407.D
Acq: 15 Sep 2020 15:23

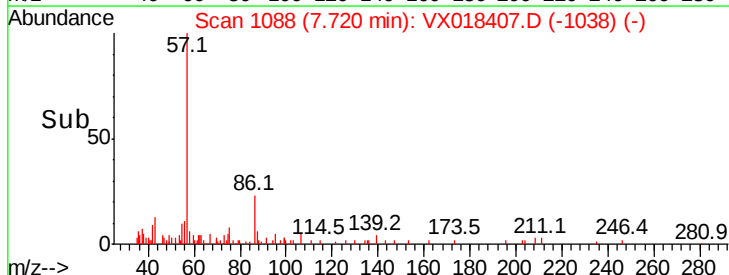
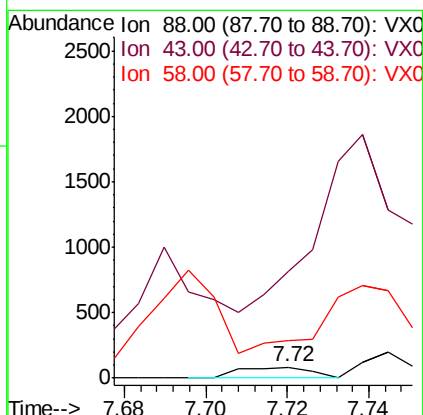
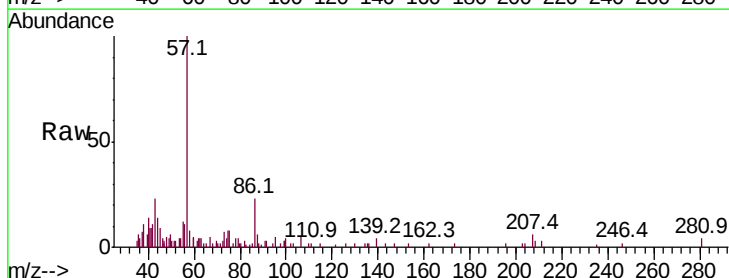
Instrument :
MSVOA_X
ClientSampled :
PB131607TB

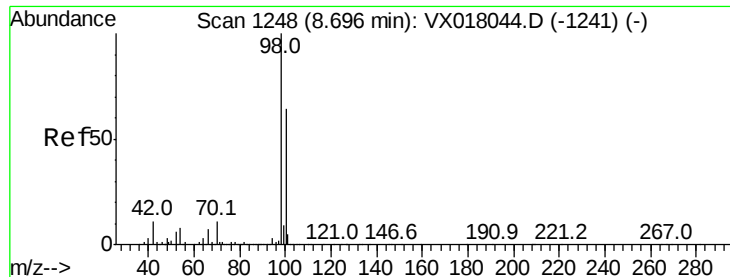
Tot Ion: 41 Resp: 6582
Ion Ratio Lower Upper
41 100
69 5.4 65.5 98.3#
39 0.0 44.5 66.7#



#49
1,4-Dioxane
Concen: 0.879 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX018407.D
Acq: 15 Sep 2020 15:23

Tgt Ion: 88 Resp: 101
Ion Ratio Lower Upper
88 100
43 0.0 27.4 41.0#
58 0.0 56.4 84.6#





#50

Toluene-d8

Concen: 49.303 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018407.D

Acq: 15 Sep 2020 15:23

Instrument :

MSVOA_X

ClientSampled :

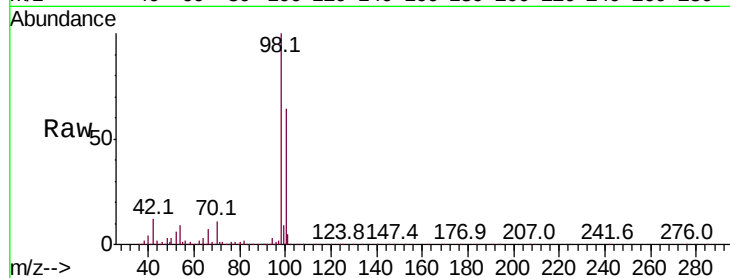
PB131607TB

Tot Ion: 98 Resp: 920918

Ion Ratio Lower Upper

98 100

100 64.5 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

600000

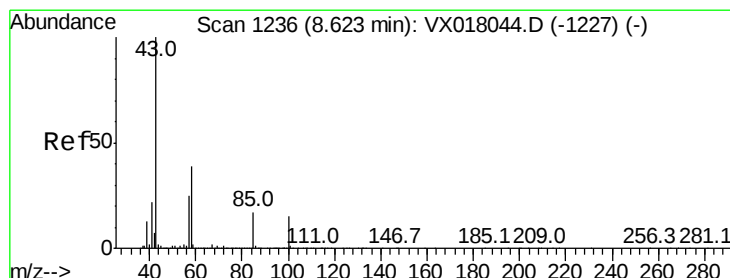
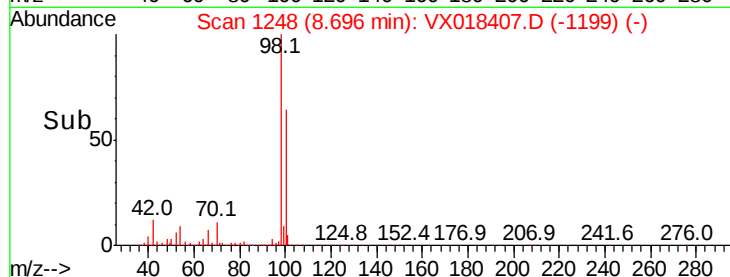
400000

200000

0

8.60 8.65 8.70 8.75 8.80

Time-->



#51

4-Methyl-2-Pentanone

Concen: 15.466 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX018407.D

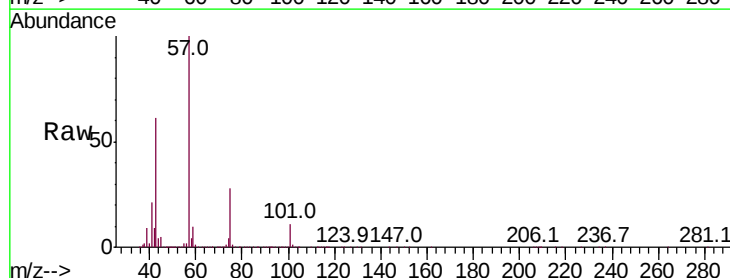
Acq: 15 Sep 2020 15:23

Tgt Ion: 43 Resp: 121720

Ion Ratio Lower Upper

43 100

58 6.8 30.7 46.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

80000

60000

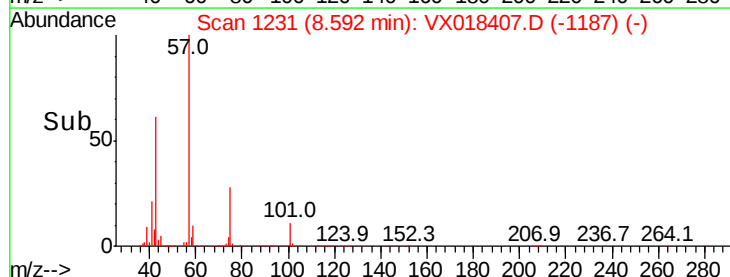
40000

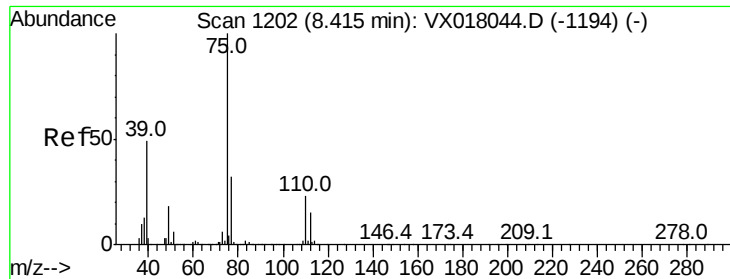
20000

0

8.50 8.55 8.60 8.65 8.70

Time-->





#54

cis-1,3-Dichloropropene

Concen: 5.613 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX018407.D

Acq: 15 Sep 2020 15:23

Instrument :

MSVOA_X

ClientSampleId :

PB131607TB

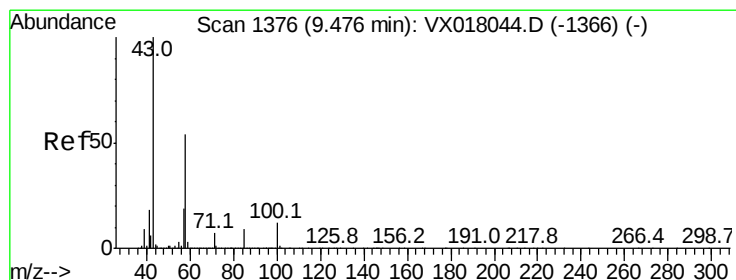
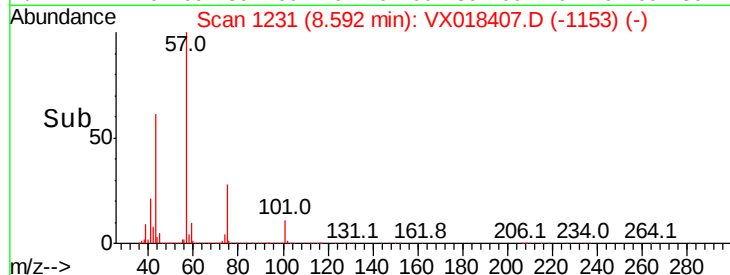
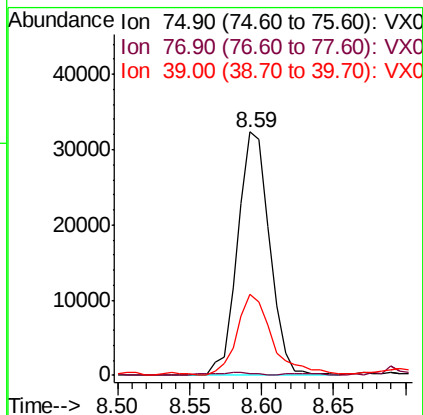
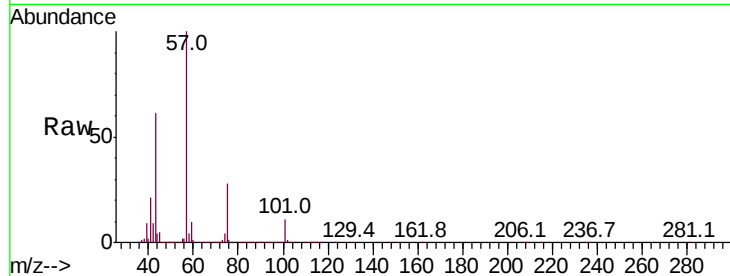
Tot Ion: 75 Resp: 49771

Ion Ratio Lower Upper

75 100

77 0.3 25.8 38.8#

39 32.7 38.8 58.2#



#59

2-Hexanone

Concen: 19.506 ug/l

RT: 9.42 min Scan# 1367

Delta R.T. -0.05 min

Lab File: VX018407.D

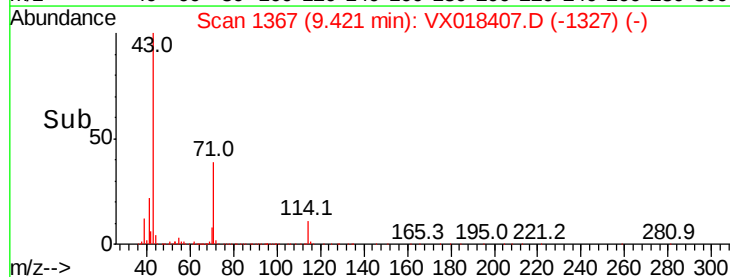
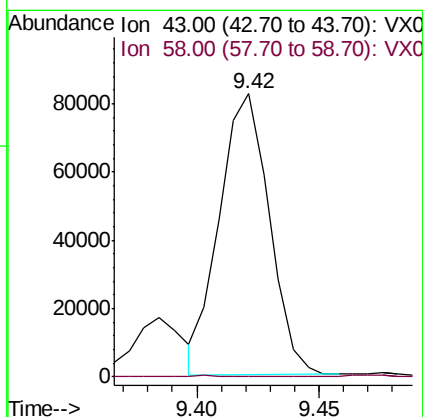
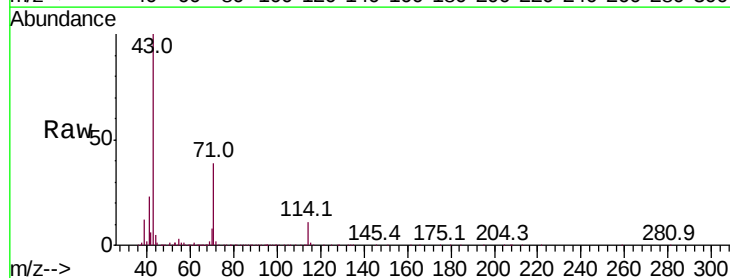
Acq: 15 Sep 2020 15:23

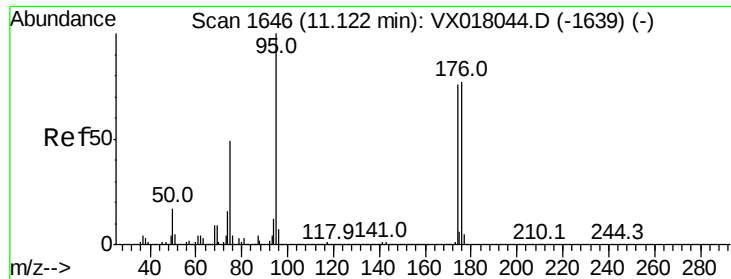
Tgt Ion: 43 Resp: 116733

Ion Ratio Lower Upper

43 100

58 0.0 26.6 79.7#





#62

4-Bromofluorobenzene

Concen: 47.230 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018407.D

Acq: 15 Sep 2020 15:23

Instrument :

MSVOA_X

ClientSampleId :

PB131607TB

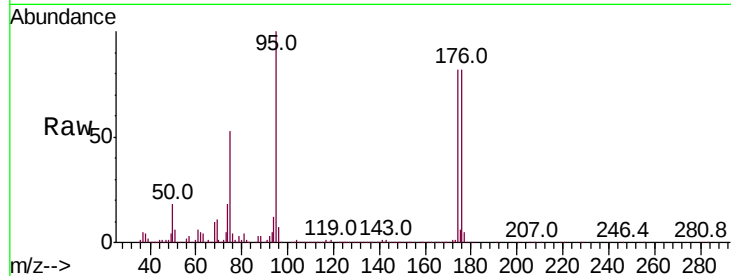
Tot Ion: 95 Resp: 347092

Ion Ratio Lower Upper

95 100

174 79.6 0.0 160.2

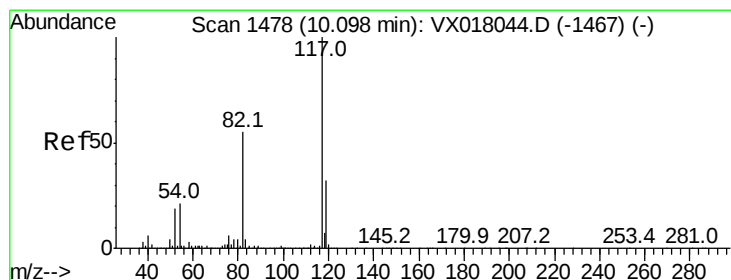
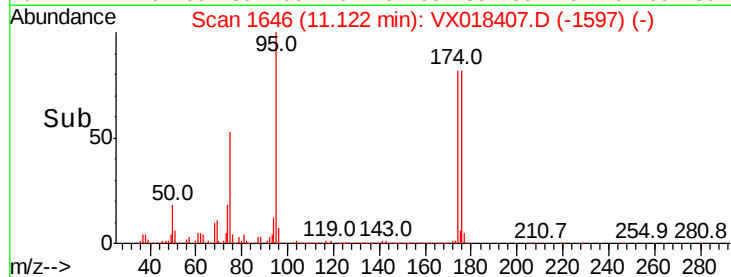
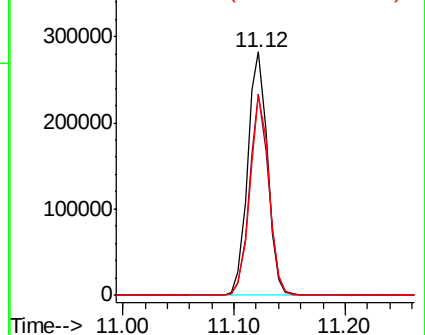
176 79.3 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX018407.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX018407.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX018407.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018407.D

Acq: 15 Sep 2020 15:23

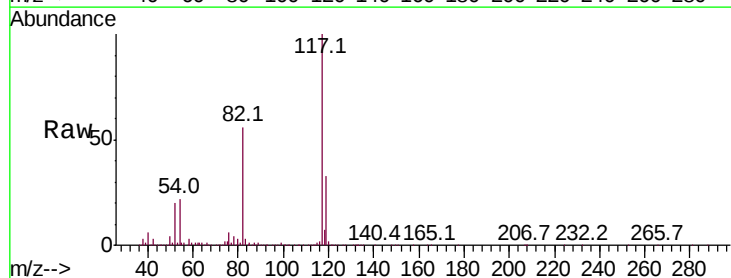
Tgt Ion: 117 Resp: 719007

Ion Ratio Lower Upper

117 100

82 55.5 44.2 66.2

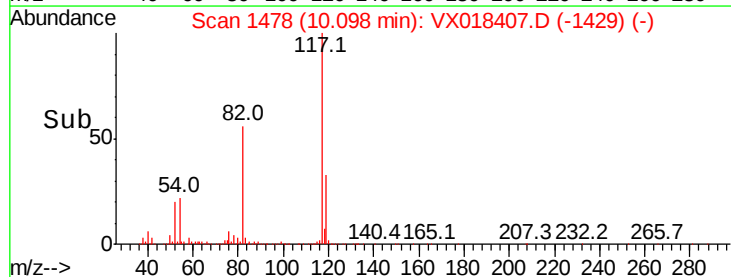
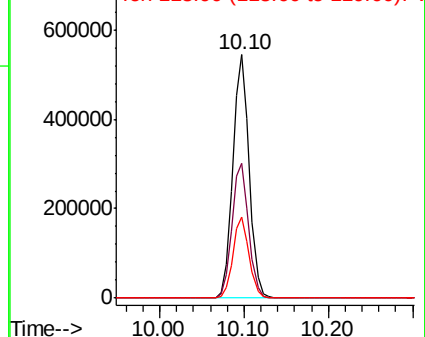
119 33.2 25.7 38.5

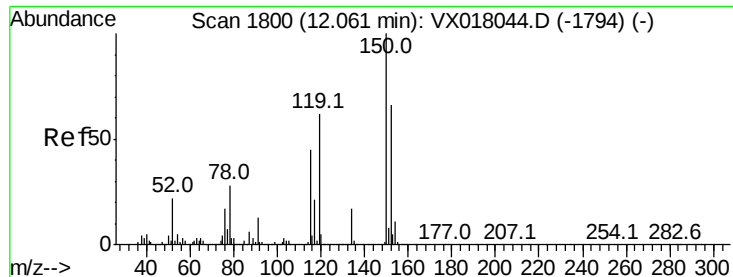


Abundance Ion 116.90 (116.60 to 117.60): VX018407.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX018407.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX018407.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018407.D

Acq: 15 Sep 2020 15:23

Instrument :

MSVOA_X

ClientSampleId :

PB131607TB

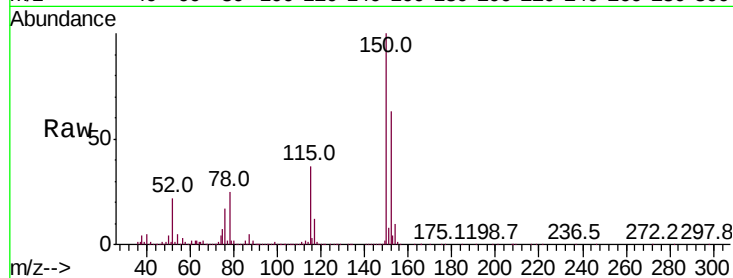
Tot Ion:152 Resp: 355447

Ion Ratio Lower Upper

152 100

115 57.4 41.5 124.5

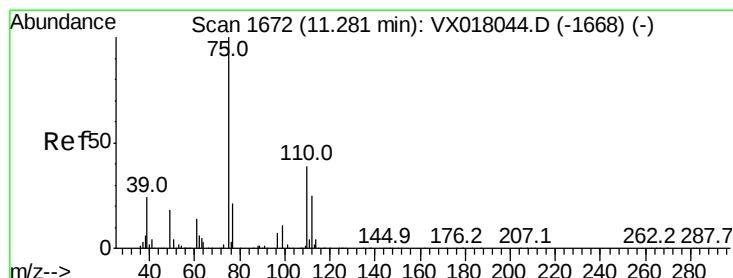
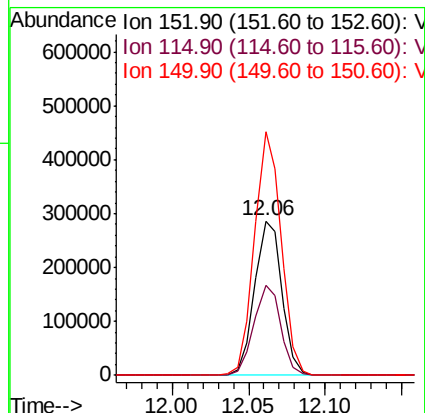
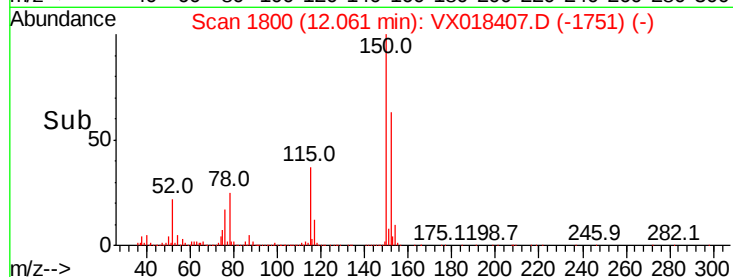
150 155.0 0.0 343.8



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: 22.815 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018407.D

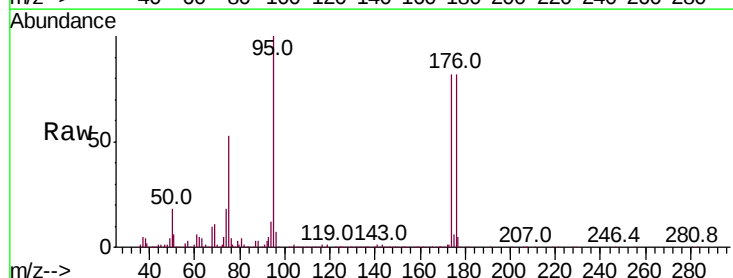
Acq: 15 Sep 2020 15:23

Tgt Ion: 75 Resp: 180400

Ion Ratio Lower Upper

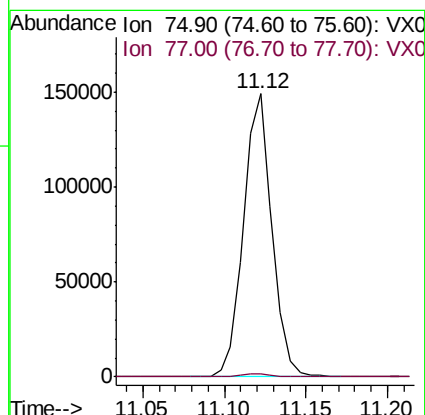
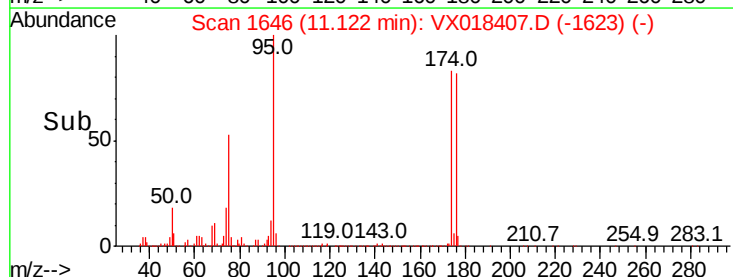
75 100

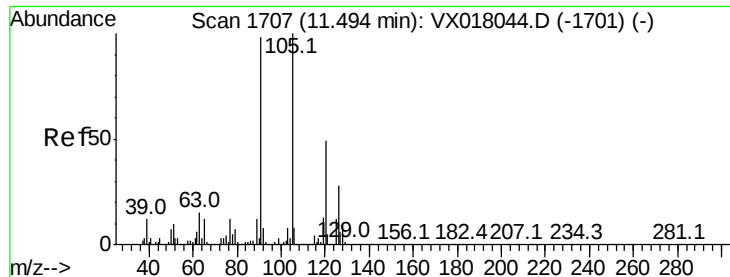
77 1.3 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

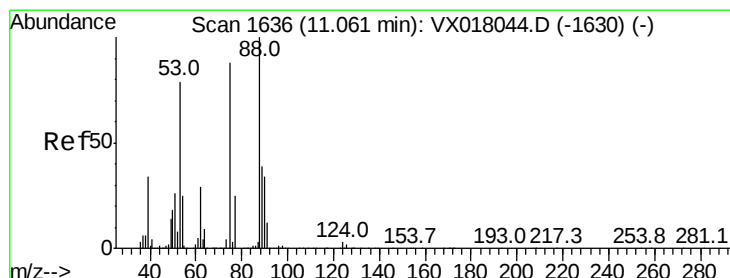
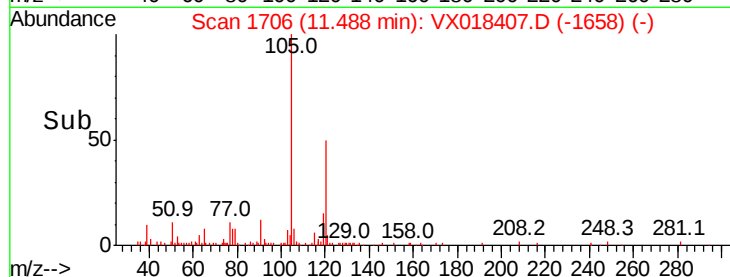
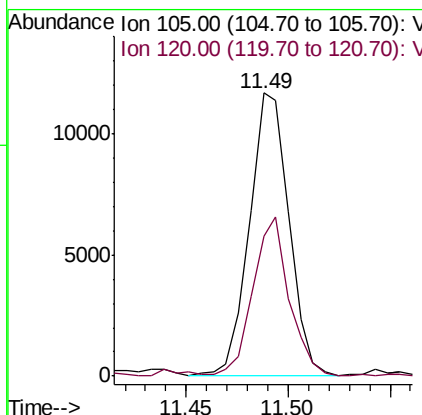
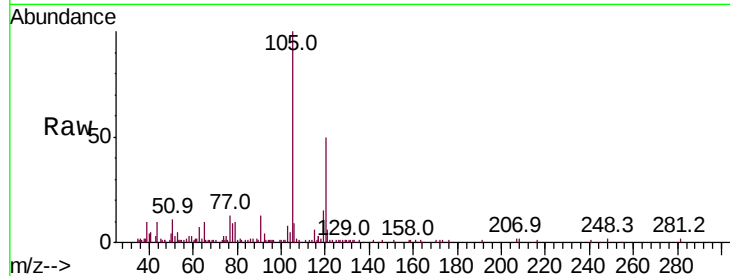




#80
 1,3,5-Trimethylbenzene
 Concen: 0.819 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: VX018407.D
 Acq: 15 Sep 2020 15:23

Instrument :
 MSVOA_X
 ClientSampled :
 PB131607TB

Tot Ion:105 Resp: 15782
 Ion Ratio Lower Upper
 105 100
 120 51.7 24.1 72.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.620 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX018407.D
 Acq: 15 Sep 2020 15:23

Tgt Ion: 75 Resp: 180400
 Ion Ratio Lower Upper
 75 100
 53 0.3 74.7 112.1#
 89 0.2 36.6 54.8#

