

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091420\
 Data File : VX018392.D
 Acq On : 14 Sep 2020 18:29
 Operator : JC/SP
 Sample : PB131571TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 15 05:12:24 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	5.64	168	436996	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	718294	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	713763	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	351256	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	315959	52.08	ug/l	0.00
Spiked Amount			Recovery	=	104.16%	
35) Dibromofluoromethane	5.47	113	246588	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
50) Toluene-d8	8.70	98	893460	49.04	ug/l	0.00
Spiked Amount			Recovery	=	98.08%	
62) 4-Bromofluorobenzene	11.12	95	338806	47.26	ug/l	0.00
Spiked Amount			Recovery	=	94.52%	

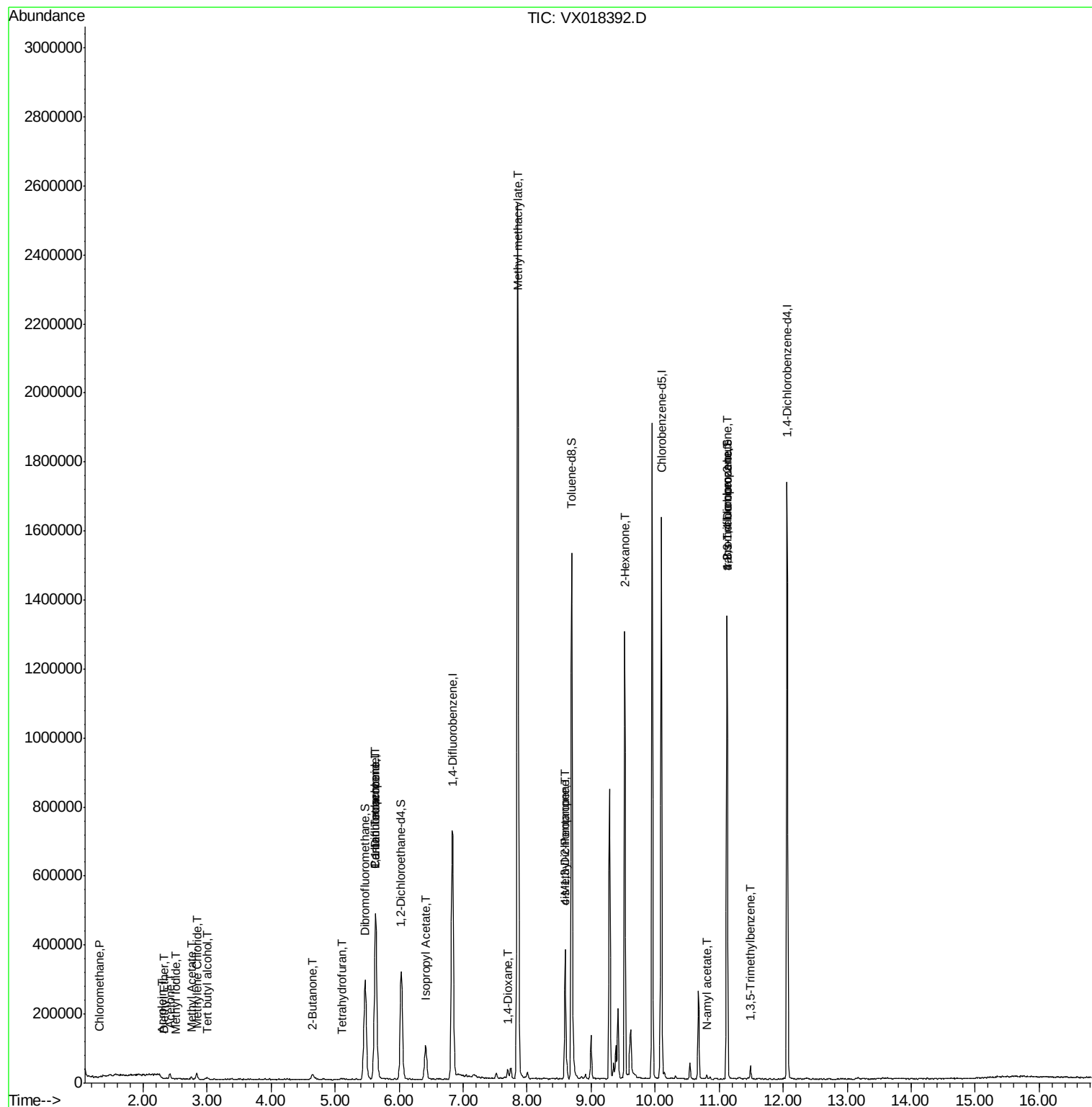
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1509	0.269	ug/l #	41
8) Diethyl Ether	2.32	74	734	0.284	ug/l	72
10) Methyl Iodide	2.51	142	179	5.323	ug/l #	52
11) Tert butyl alcohol	3.01	59	3796	3.218	ug/l #	92
13) Acrolein	2.31	56	513	1.049	ug/l #	14
16) Acetone	2.42	43	20645	8.733	ug/l #	88
18) Methyl Acetate	2.75	43	7667	1.344	ug/l	92
20) Methylene Chloride	2.84	84	7955	0.489	ug/l #	93
25) 2-Butanone	4.64	43	3783	0.974	ug/l #	83
29) Tetrahydrofuran	5.10	42	1418	0.573	ug/l #	71
36) 1,1-Dichloropropene	5.63	75	36556	5.518	ug/l #	51
38) Carbon Tetrachloride	5.64	117	46830	6.272	ug/l #	17
43) Isopropyl Acetate	6.41	43	139045	11.188	ug/l	99
48) Methyl methacrylate	7.85	41	219991	35.557	ug/l #	45
49) 1,4-Dioxane	7.69	88	429	3.828	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	138261	18.009	ug/l #	54
54) cis-1,3-Dichloropropene	8.60	75	57679	6.669	ug/l #	62
59) 2-Hexanone	9.52	43	147473	25.263	ug/l #	51
74) N-amyl acetate	10.80	43	6757	0.615	ug/l #	53
76) 1,2,3-Trichloropropane	11.12	75	174989	22.395	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	17430	0.915	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.12	75	174989	60.485	ug/l #	12

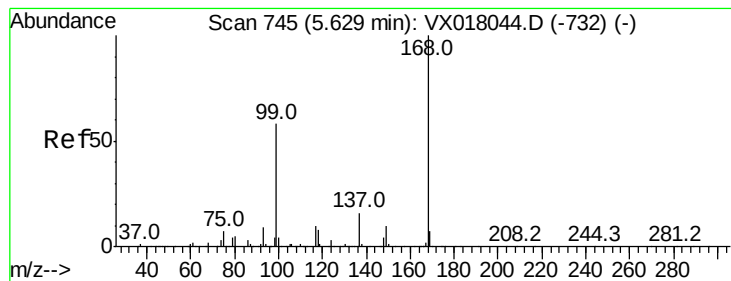
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018392.D

Acq: 14 Sep 2020 18:29

Instrument :

MSVOA_X

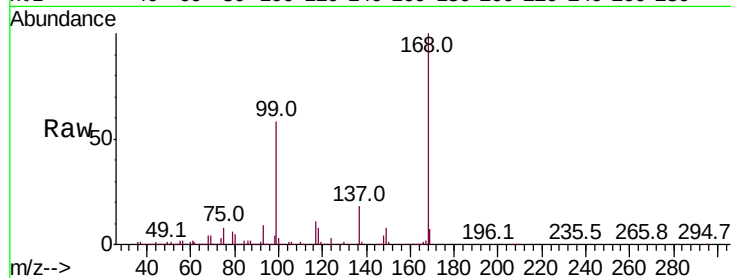
ClientSampleId :

Tot Ion:168 Resp: 436996

Ion Ratio Lower Upper

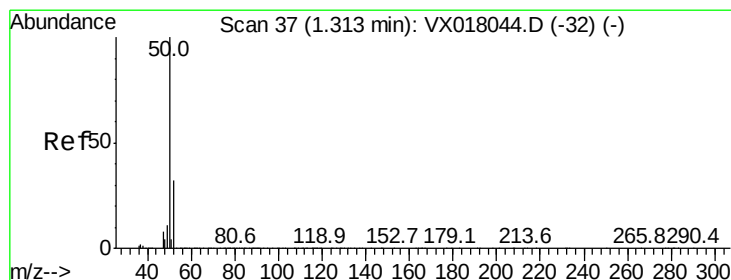
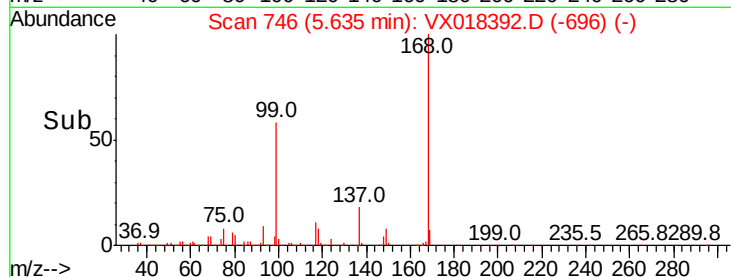
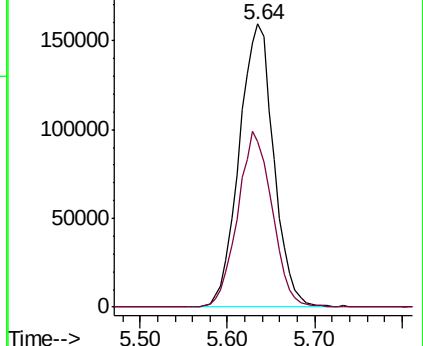
168 100

99 58.3 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.269 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX018392.D

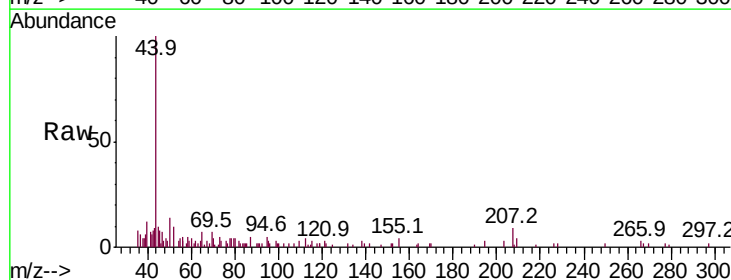
Acq: 14 Sep 2020 18:29

Tgt Ion: 50 Resp: 1509

Ion Ratio Lower Upper

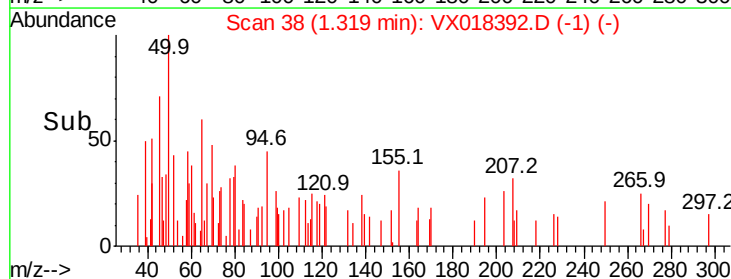
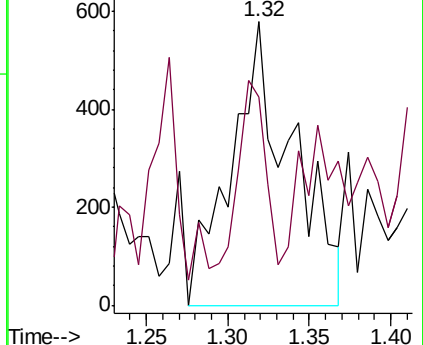
50 100

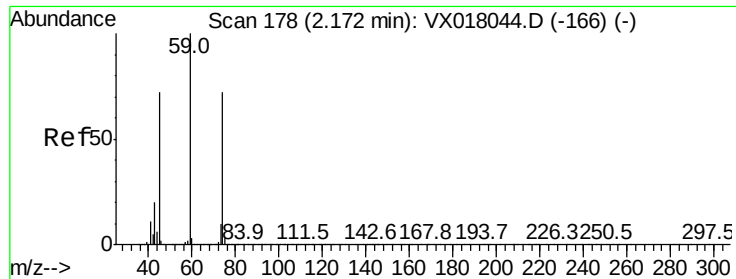
52 64.7 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#8

Diethyl Ether

Concen: 0.284 ug/l

RT: 2.32 min Scan# 202

Delta R.T. 0.15 min

Lab File: VX018392.D

Acq: 14 Sep 2020 18:29

Instrument :

MSVOA_X

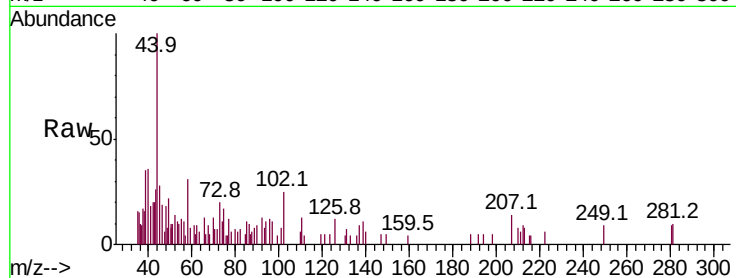
ClientSampled :

Tot Ion: 74 Resp: 734

Ion Ratio Lower Upper

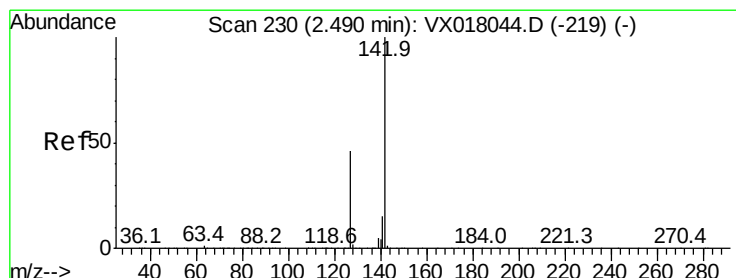
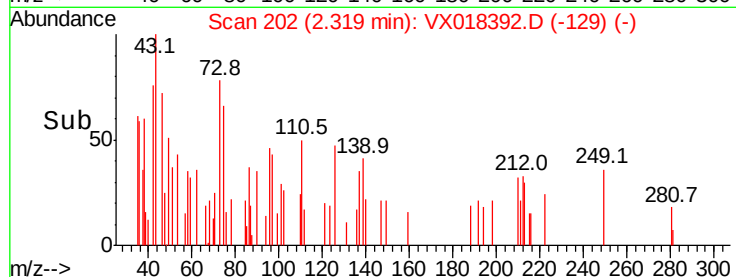
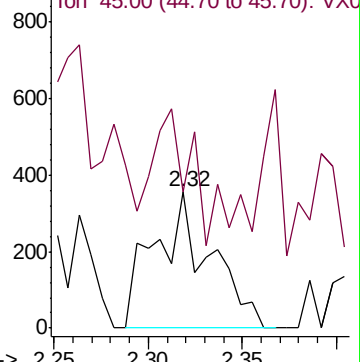
74 100

45 73.6 50.7 152.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#10

Methyl Iodide

Concen: 5.323 ug/l

RT: 2.51 min Scan# 233

Delta R.T. 0.02 min

Lab File: VX018392.D

Acq: 14 Sep 2020 18:29

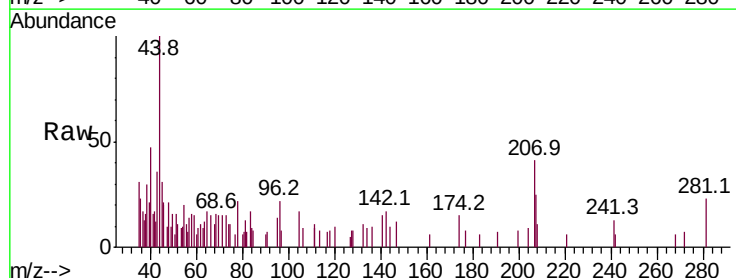
Tgt Ion: 142 Resp: 179

Ion Ratio Lower Upper

142 100

127 45.3 37.0 55.6

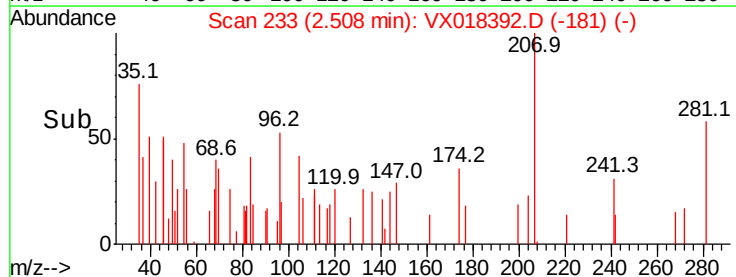
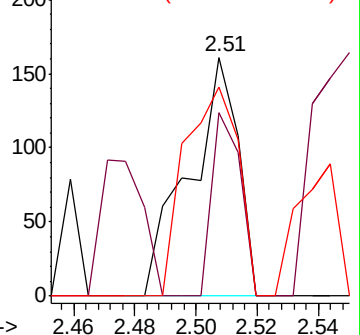
141 95.5 11.5 17.3#

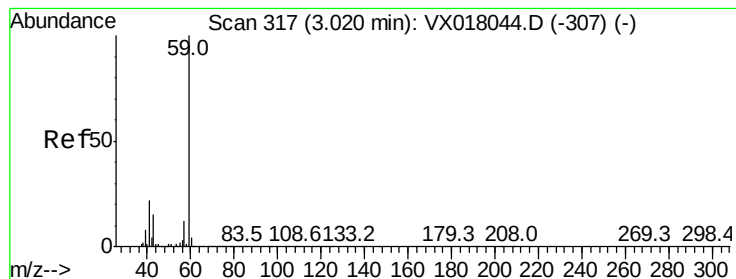


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



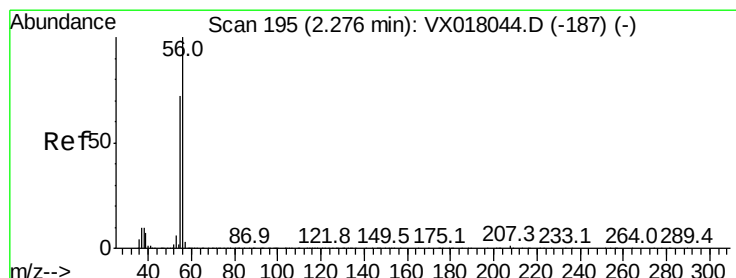
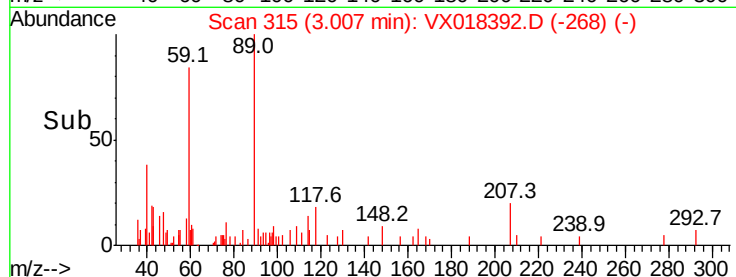
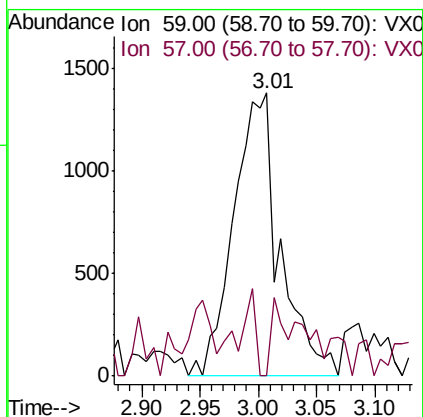
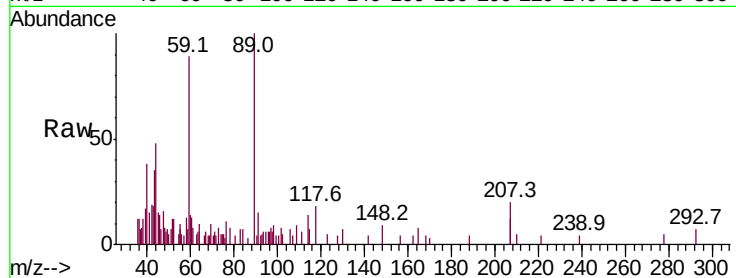


#11

Tert butyl alcohol
Concen: 3.218 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX018392.D
Acq: 14 Sep 2020 18:29

Instrument :
MSVOA_X
ClientSampleId :

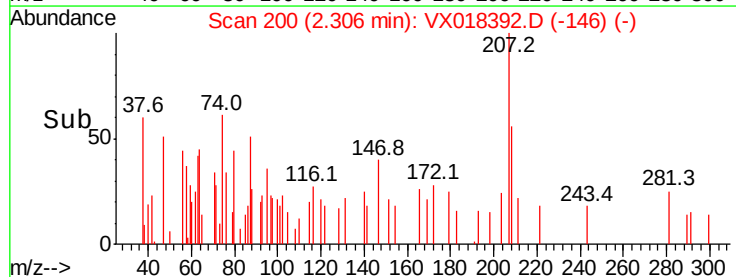
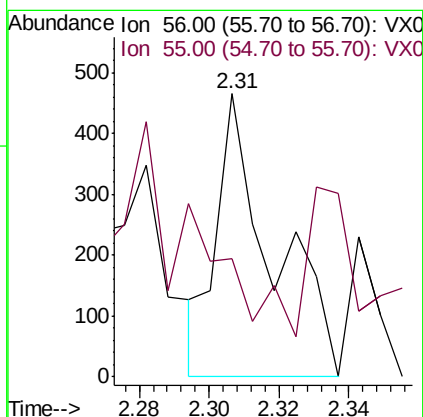
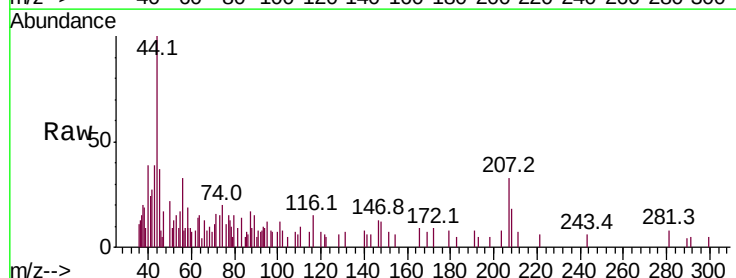
Tot Ion: 59 Resp: 3796
Ion Ratio Lower Upper
59 100
57 7.9 8.9 13.3#

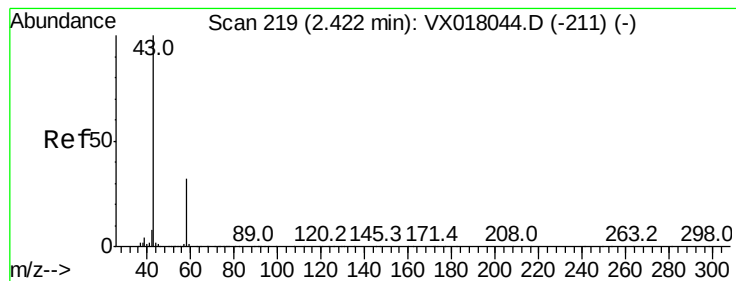


#13

Acrolein
Concen: 1.049 ug/l
RT: 2.31 min Scan# 200
Delta R.T. 0.03 min
Lab File: VX018392.D
Acq: 14 Sep 2020 18:29

Tgt Ion: 56 Resp: 513
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.6#





#16

Acetone

Concen: 8.733 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018392.D

Acq: 14 Sep 2020 18:29

Instrument :

MSVOA_X

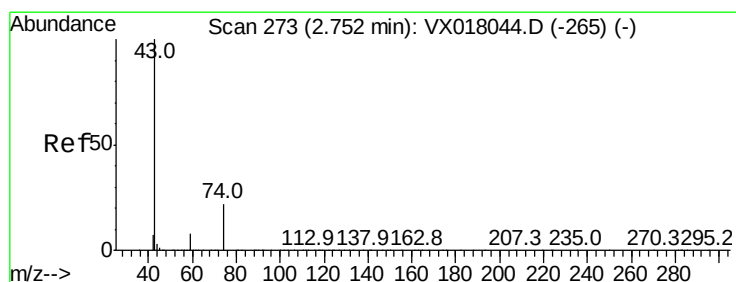
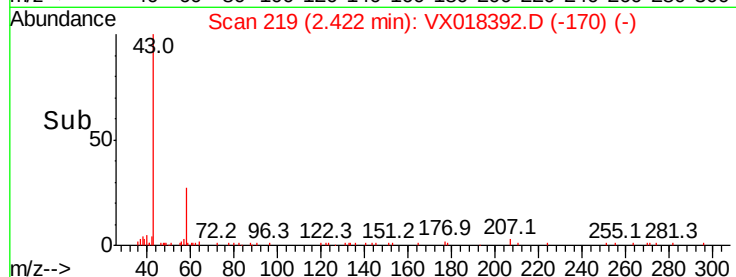
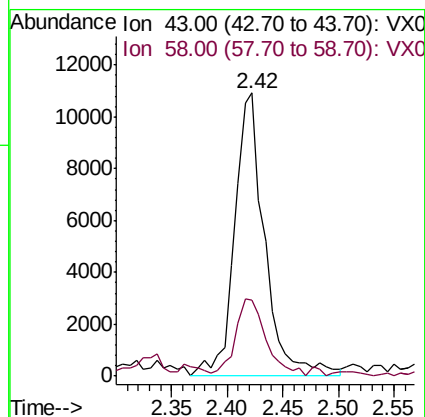
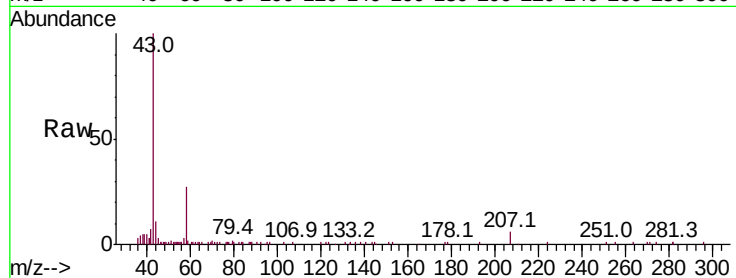
ClientSampleId :

Tot Ion: 43 Resp: 20645

Ion Ratio Lower Upper

43 100

58 25.2 25.5 38.3#



#18

Methyl Acetate

Concen: 1.344 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX018392.D

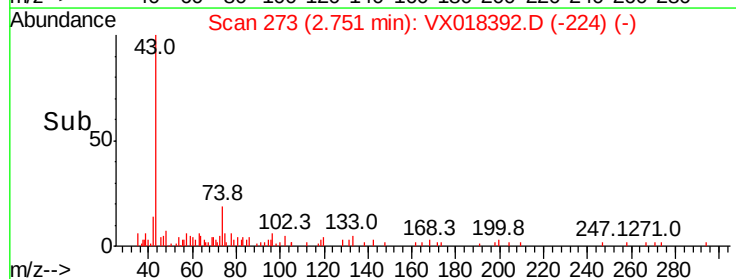
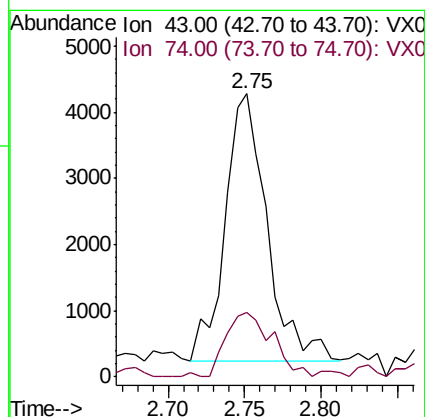
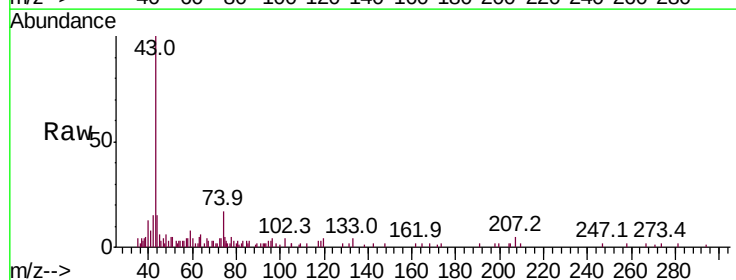
Acq: 14 Sep 2020 18:29

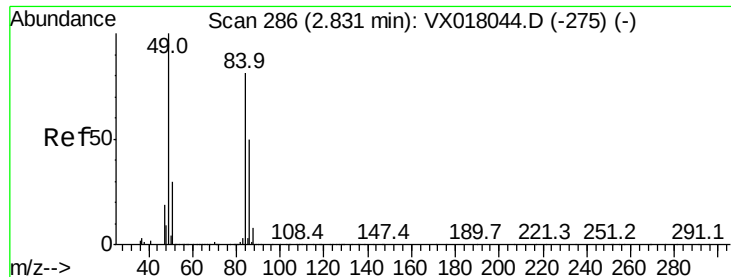
Tgt Ion: 43 Resp: 7667

Ion Ratio Lower Upper

43 100

74 26.8 18.2 27.4

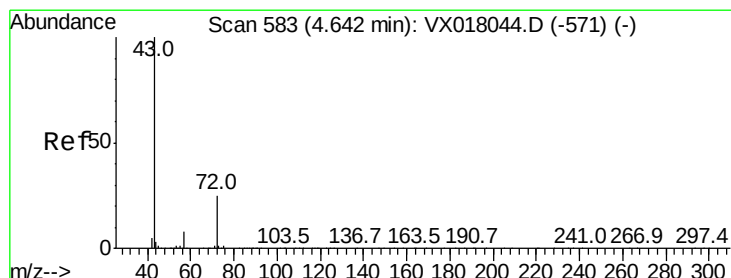
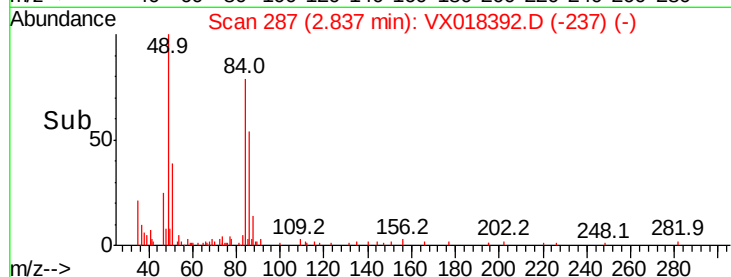
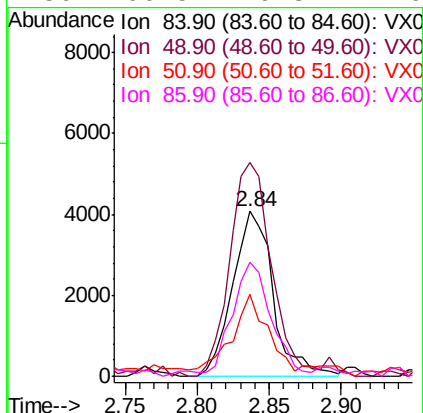
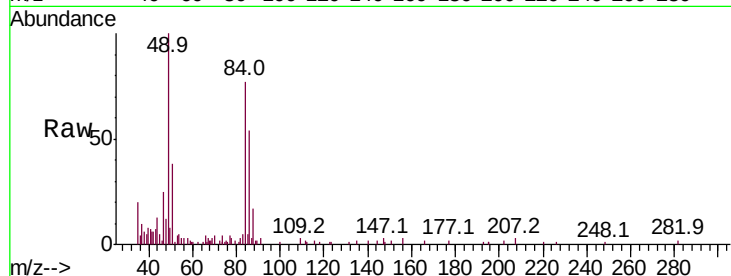




#20
Methvlene Chloride
Concen: 0.489 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018392.D
Acq: 14 Sep 2020 18:29

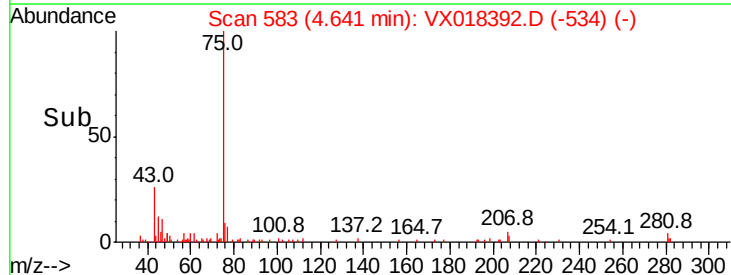
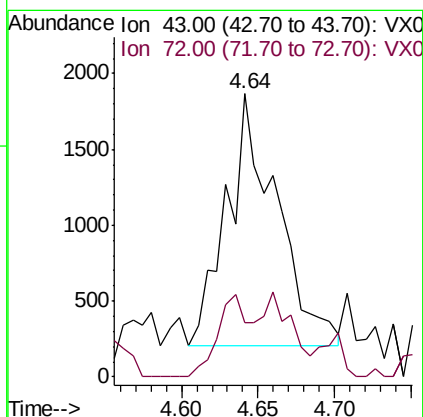
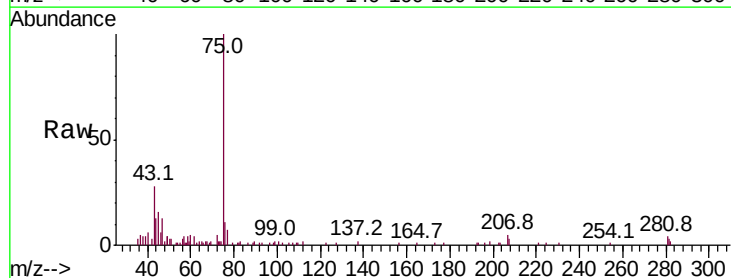
Instrument :
MSVOA_X
ClientSampleId :

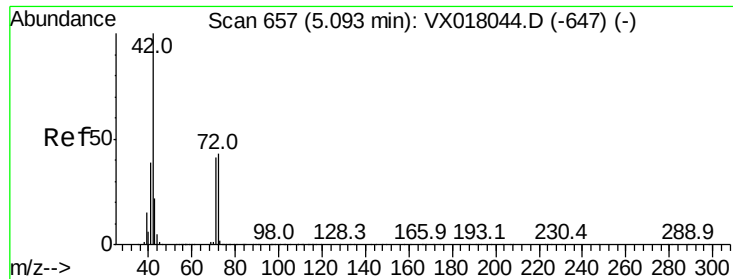
Tot Ion:	84	Resp:	7955
Ion	Ratio	Lower	Upper
84	100		
49	129.7	98.6	148.0
51	45.9	29.6	44.4#
86	66.5	49.8	74.6



#25
2-Butanone
Concen: 0.974 ug/l
RT: 4.64 min Scan# 583
Delta R.T. -0.00 min
Lab File: VX018392.D
Acq: 14 Sep 2020 18:29

Tgt Ion:	43	Resp:	3783
Ion	Ratio	Lower	Upper
43	100		
72	16.5	19.8	29.6#





#29

Tetrahydrofuran

Concen: 0.573 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX018392.D

Acq: 14 Sep 2020 18:29

Instrument :

MSVOA_X

ClientSampled :

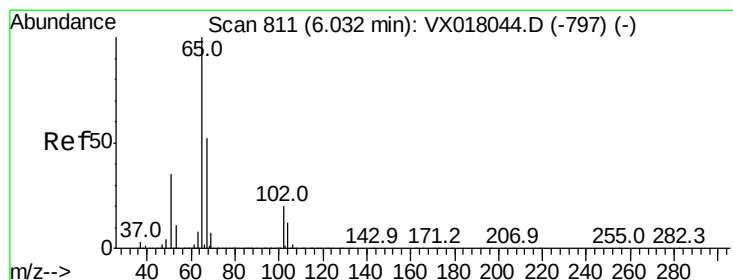
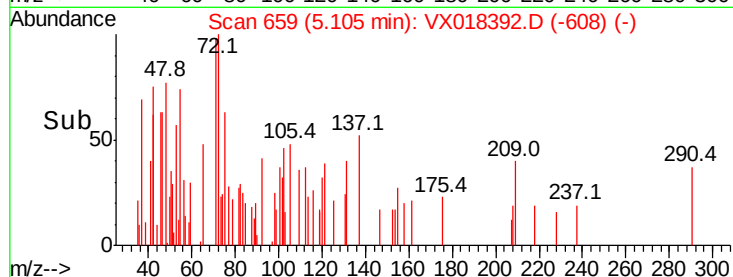
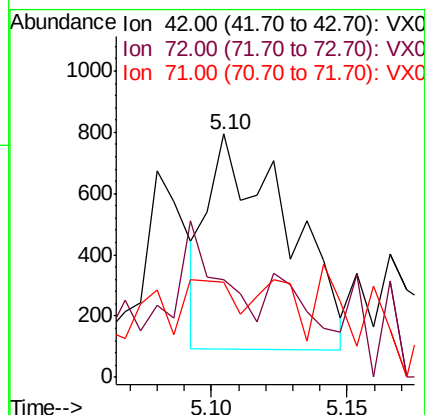
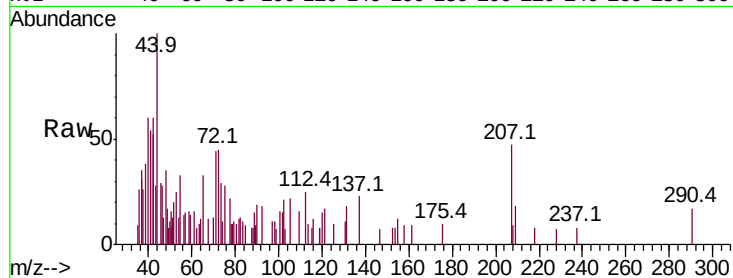
Tot Ion: 42 Resp: 1418

Ion Ratio Lower Upper

42 100

72 30.5 34.2 51.4#

71 15.2 32.1 48.1#



#33

1,2-Dichloroethane-d4

Concen: 52.082 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018392.D

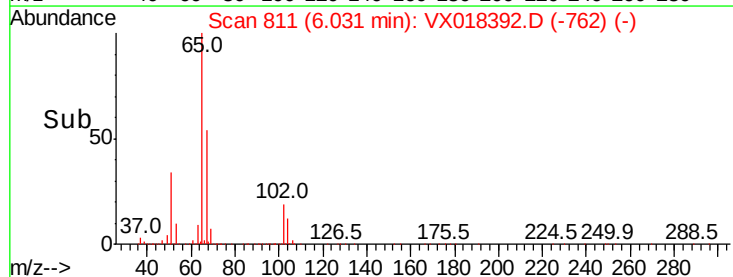
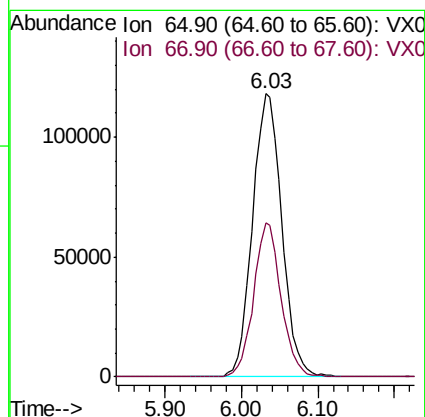
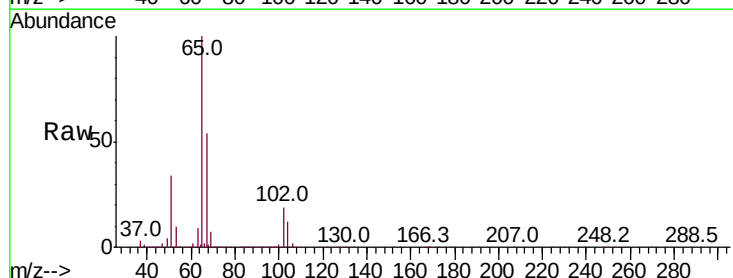
Acq: 14 Sep 2020 18:29

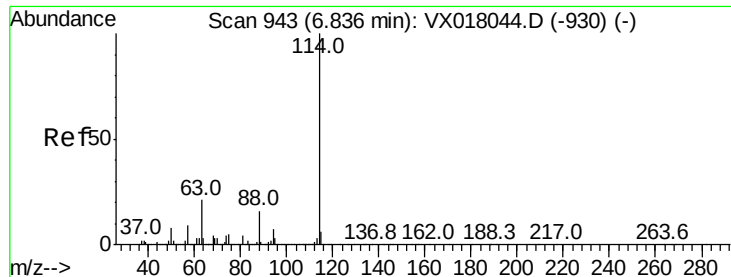
Tgt Ion: 65 Resp: 315959

Ion Ratio Lower Upper

65 100

67 50.9 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. -0.00 min

Lab File: VX018392.D

Acq: 14 Sep 2020 18:29

Instrument :

MSVOA_X

ClientSampleId :

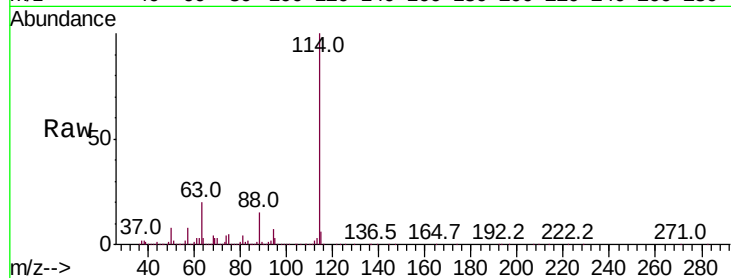
Tot Ion:114 Resp: 718294

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.6

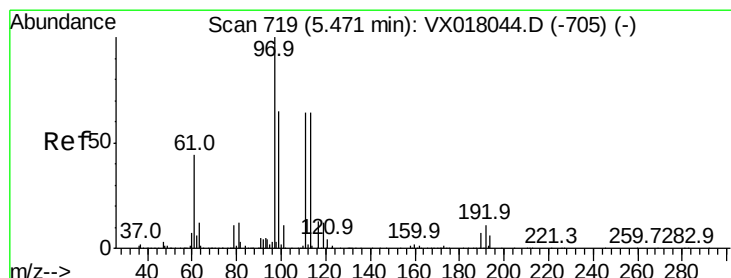
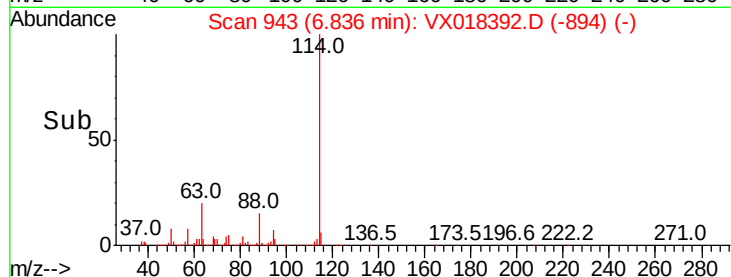
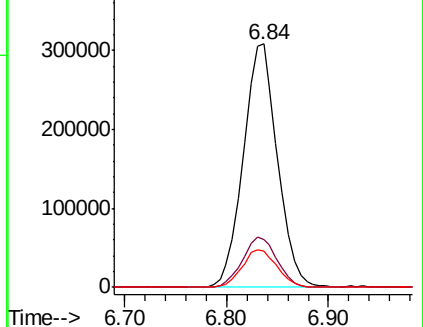
88 14.9 0.0 31.8



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: 50.407 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018392.D

Acq: 14 Sep 2020 18:29

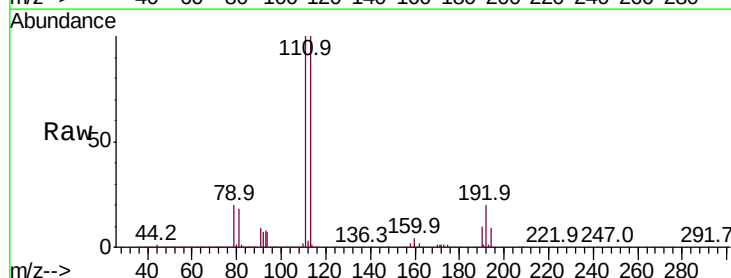
Tgt Ion:113 Resp: 246588

Ion Ratio Lower Upper

113 100

111 102.6 81.6 122.4

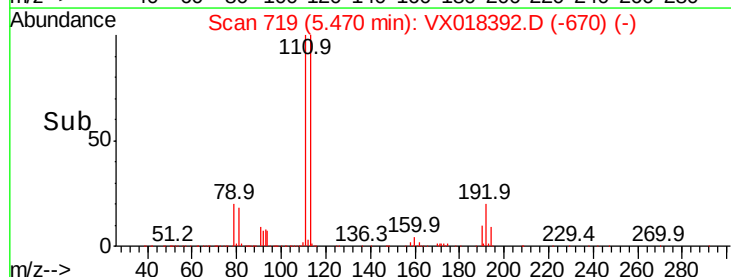
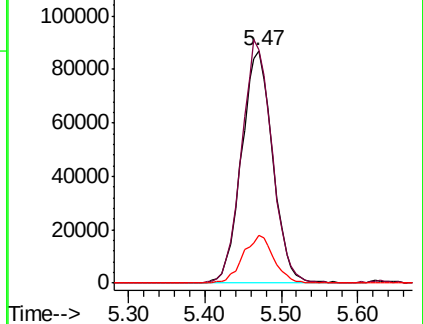
192 20.0 15.8 23.8

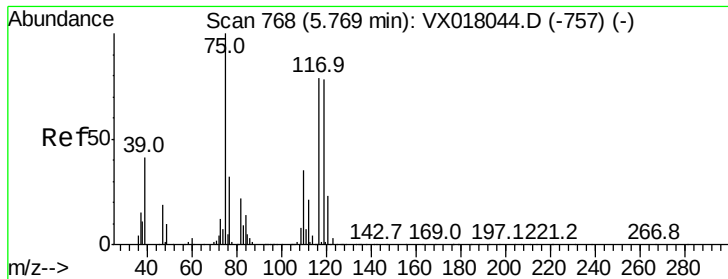


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.518 ug/l

RT: 5.63 min Scan# 745

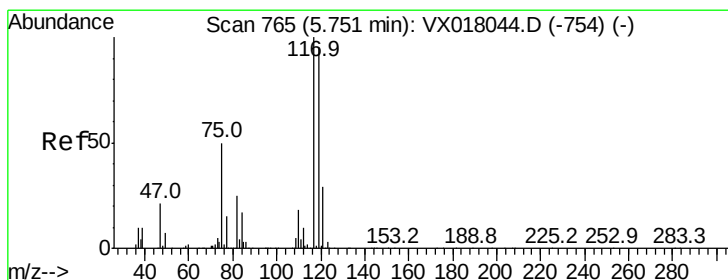
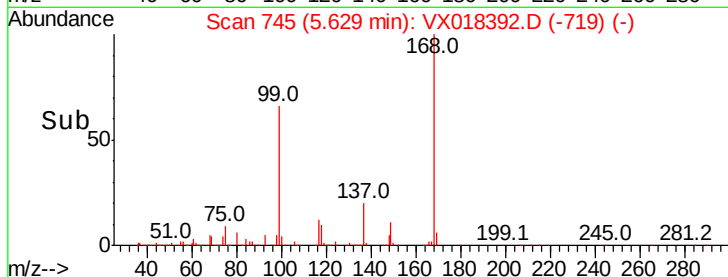
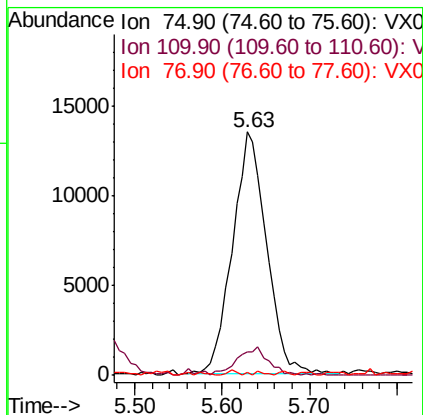
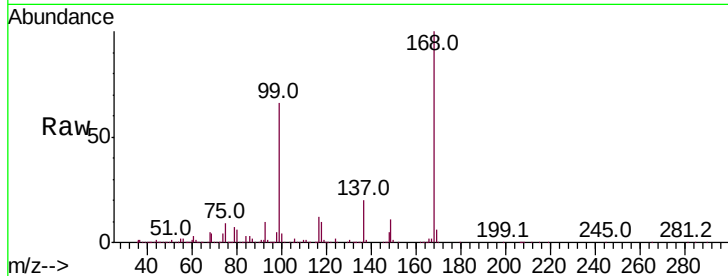
Delta R.T. -0.14 min

Lab File: VX018392.D

Acq: 14 Sep 2020 18:29

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	75	Resp:	36556
Ion	Ratio	Lower	Upper
75	100		
110	10.6	18.0	54.0#
77	0.6	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 6.272 ug/l

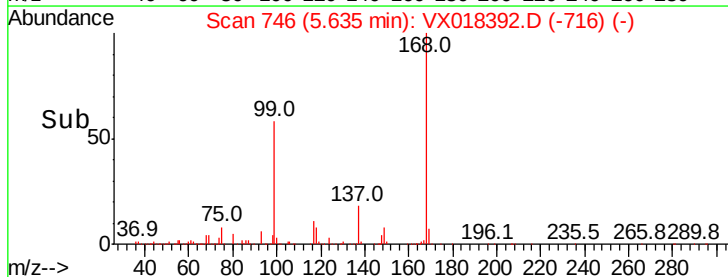
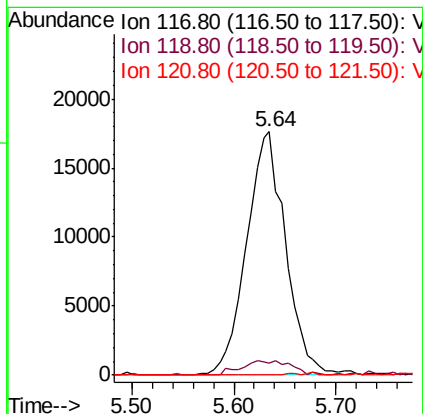
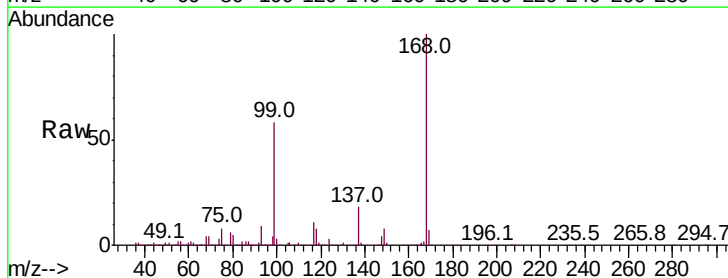
RT: 5.64 min Scan# 746

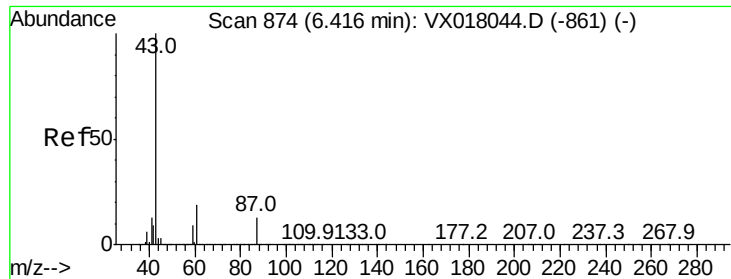
Delta R.T. -0.12 min

Lab File: VX018392.D

Acq: 14 Sep 2020 18:29

Tgt Ion:	117	Resp:	46830
Ion	Ratio	Lower	Upper
117	100		
119	4.9	75.8	113.6#
121	0.4	23.4	35.0#





#43

Isopropyl Acetate

Concen: 11.188 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.01 min

Lab File: VX018392.D

Acq: 14 Sep 2020 18:29

Instrument :
MSVOA_X
ClientSampleId :

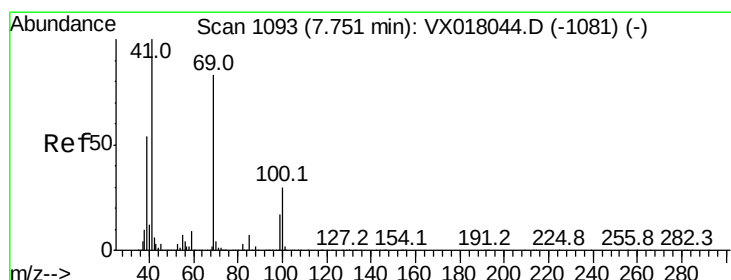
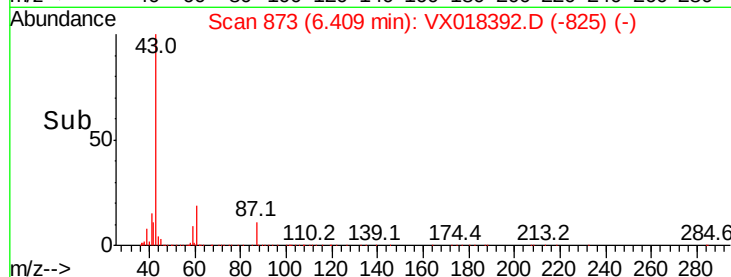
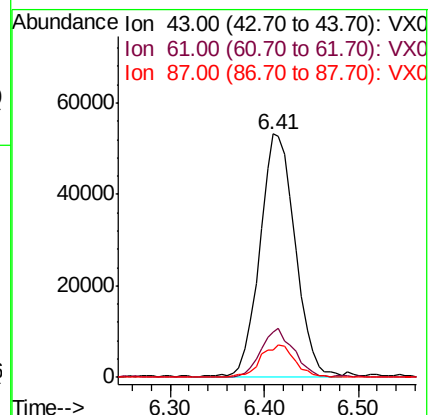
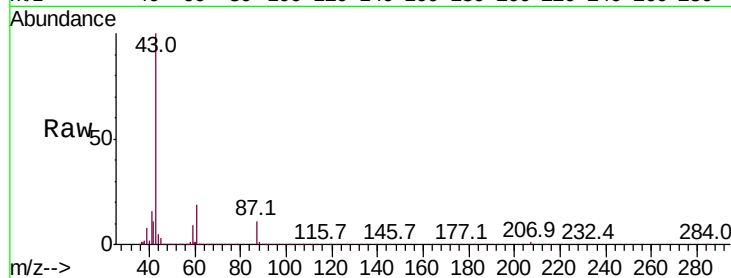
Tot Ion: 43 Resp: 139045

Ion Ratio Lower Upper

43 100

61 18.8 15.7 23.5

87 13.2 10.3 15.5



#48

Methyl methacrylate

Concen: 35.557 ug/l

RT: 7.85 min Scan# 1110

Delta R.T. 0.10 min

Lab File: VX018392.D

Acq: 14 Sep 2020 18:29

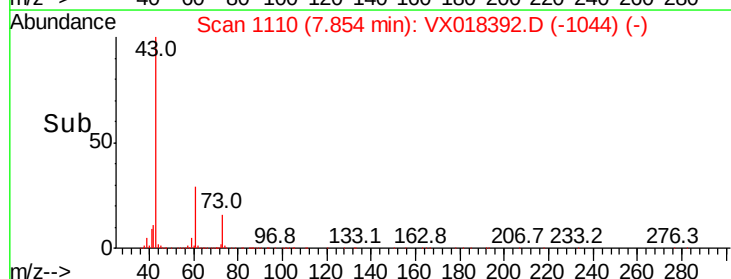
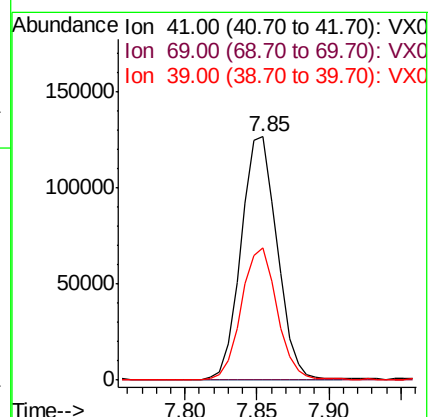
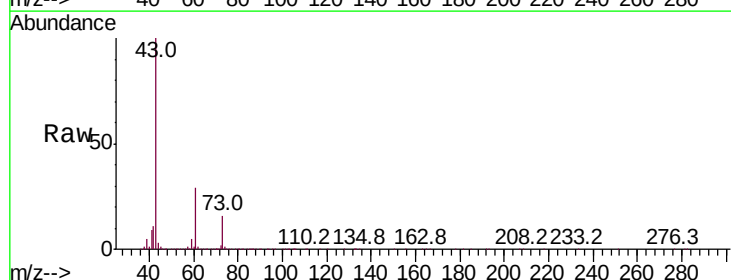
Tgt Ion: 41 Resp: 219991

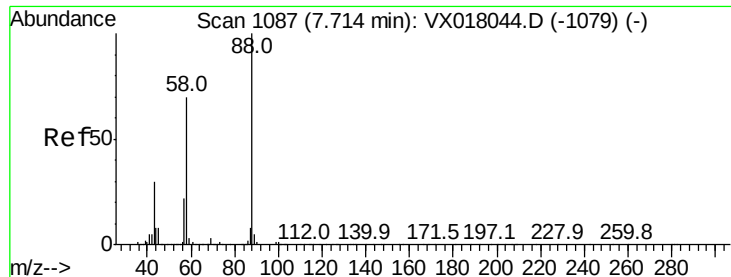
Ion Ratio Lower Upper

41 100

69 0.4 65.5 98.3#

39 54.1 44.5 66.7

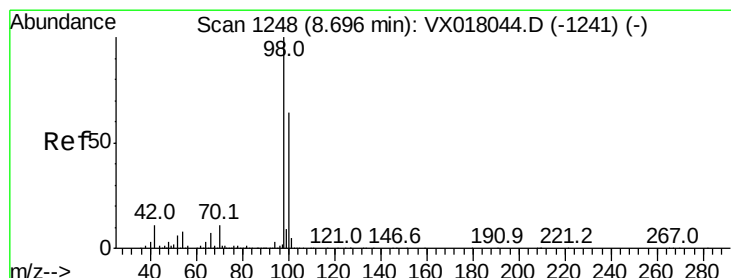
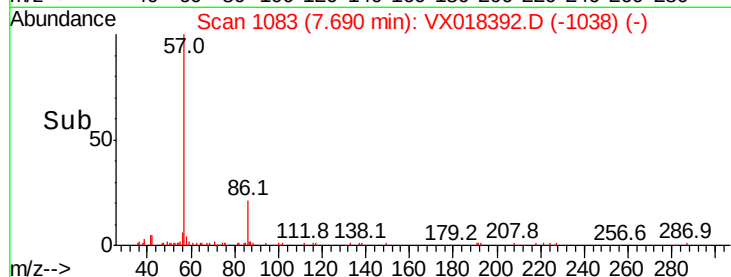
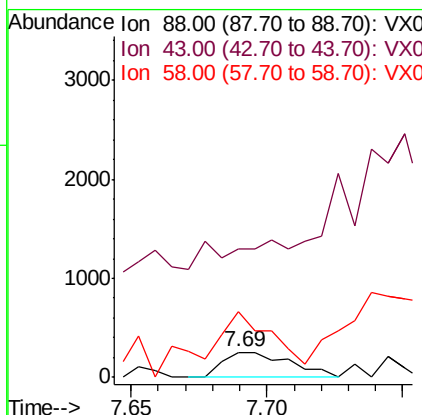
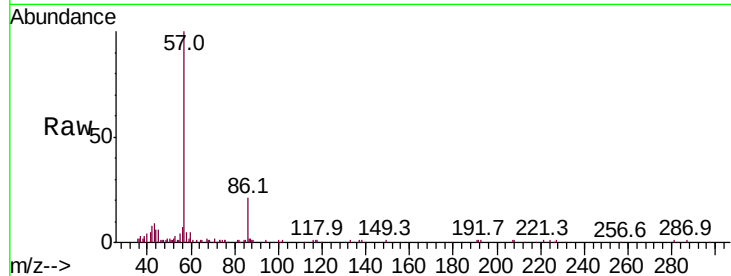




#49
1,4-Dioxane
Concen: 3.828 ug/l
RT: 7.69 min Scan# 1083
Delta R.T. -0.02 min
Lab File: VX018392.D
Acq: 14 Sep 2020 18:29

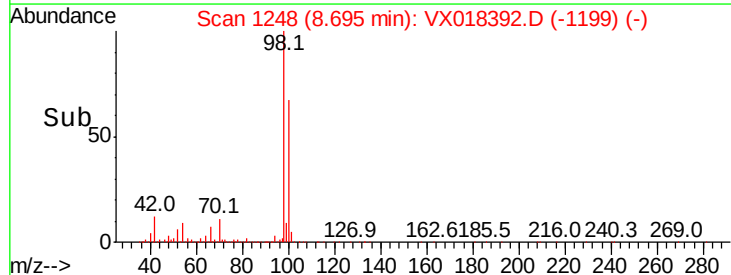
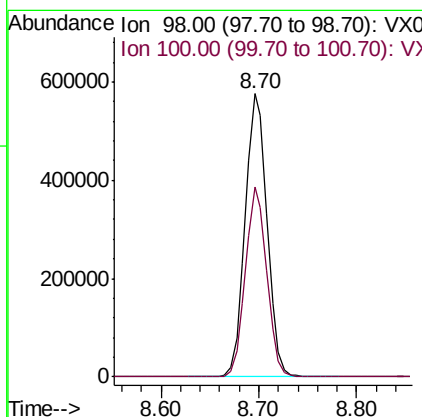
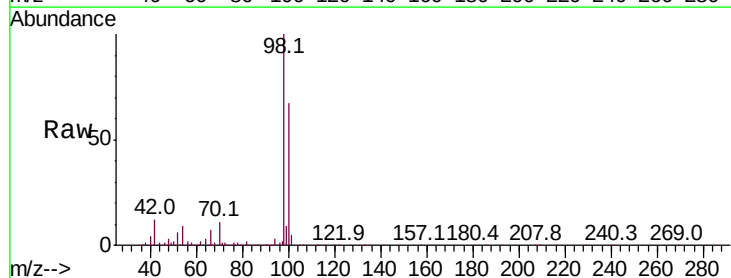
Instrument :
MSVOA_X
ClientSampleId :

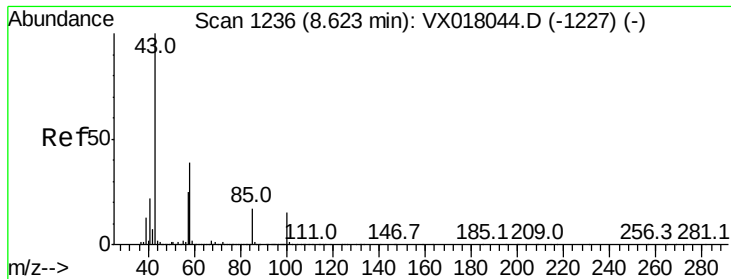
Tot Ion: 88 Resp: 429
Ion Ratio Lower Upper
88 100
43 0.0 27.4 41.0#
58 273.9 56.4 84.6#



#50
Toluene-d8
Concen: 49.037 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX018392.D
Acq: 14 Sep 2020 18:29

Tgt Ion: 98 Resp: 893460
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 18.009 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX018392.D

Acq: 14 Sep 2020 18:29

Instrument :

MSVOA_X

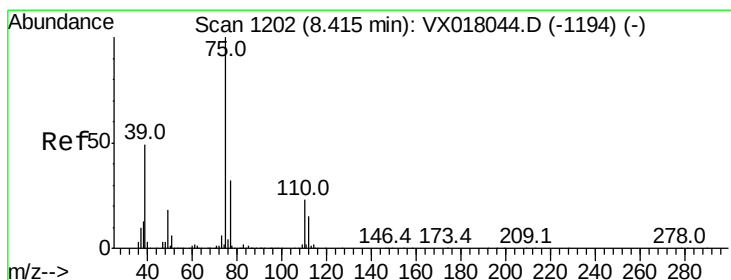
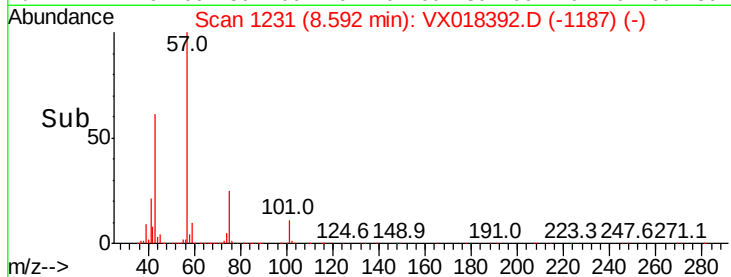
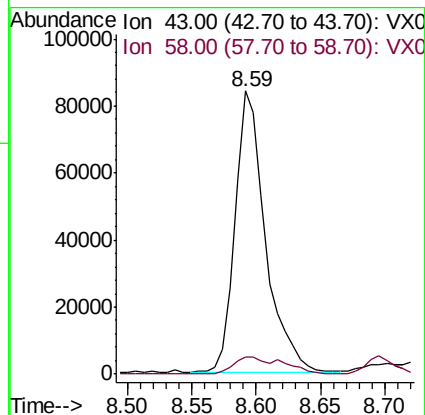
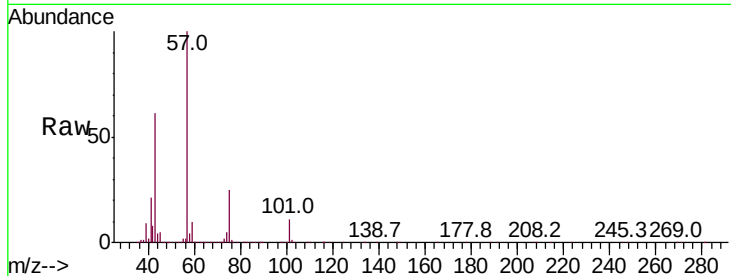
ClientSampleId :

Tot Ion: 43 Resp: 138261

Ion Ratio Lower Upper

43 100

58 10.2 30.7 46.1#



#54

cis-1,3-Dichloropropene

Concen: 6.669 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX018392.D

Acq: 14 Sep 2020 18:29

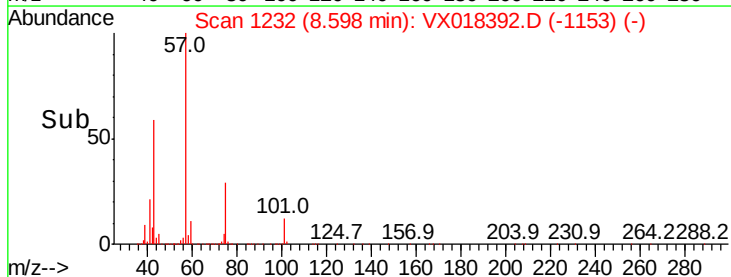
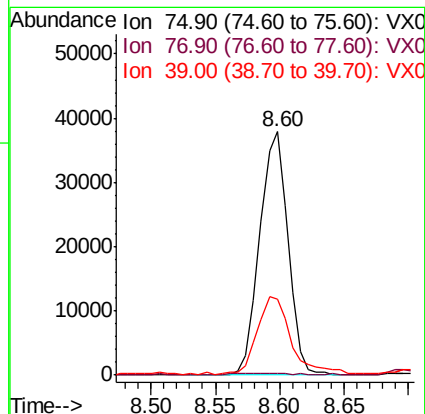
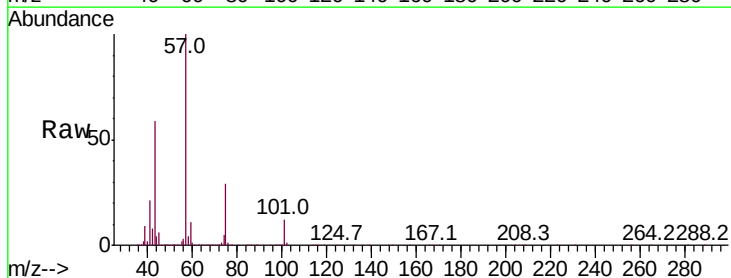
Tgt Ion: 75 Resp: 57679

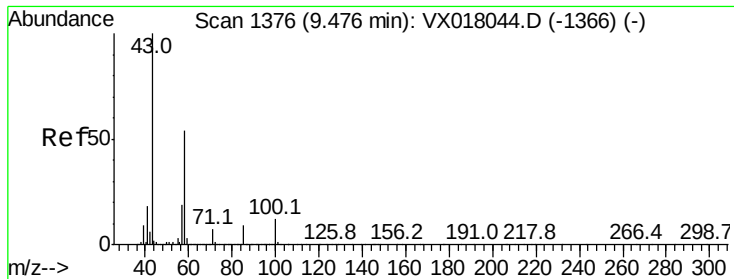
Ion Ratio Lower Upper

75 100

77 0.8 25.8 38.8#

39 30.8 38.8 58.2#

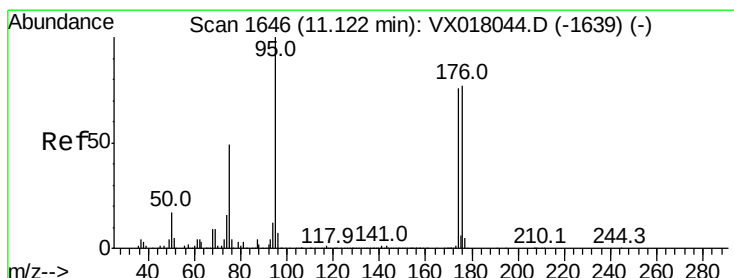
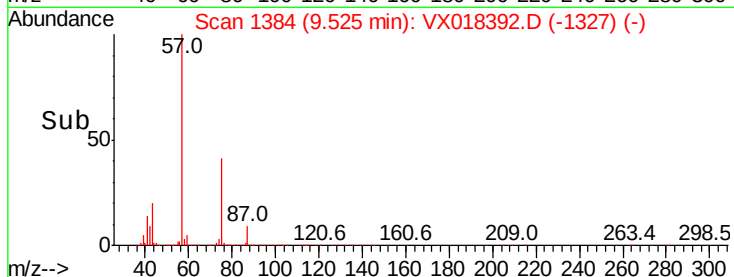
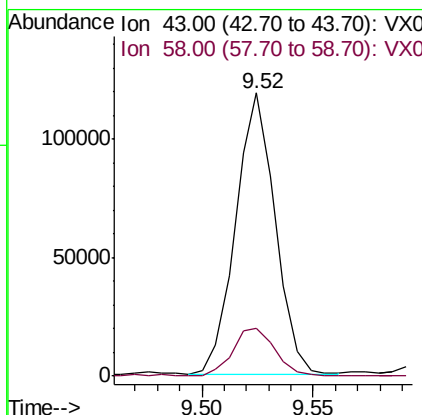
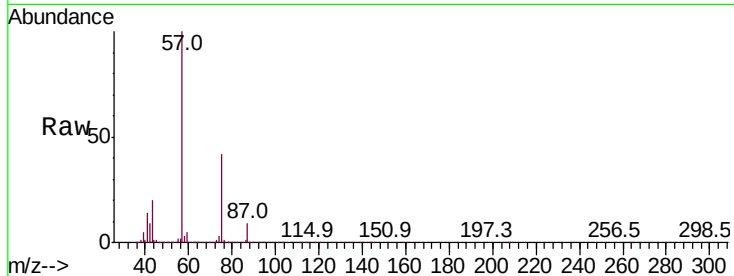




#59
2-Hexanone
Concen: 25.263 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX018392.D
Acq: 14 Sep 2020 18:29

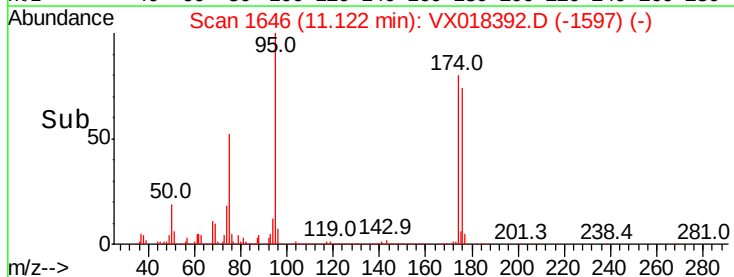
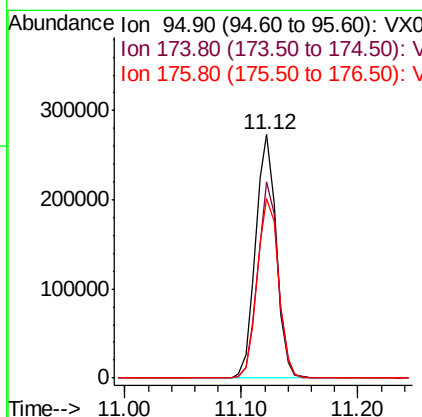
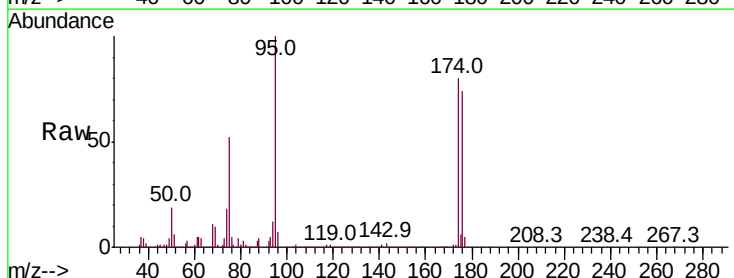
Instrument :
MSVOA_X
ClientSampled :

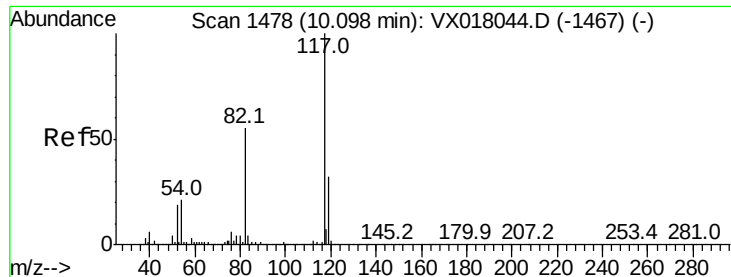
Tot Ion: 43 Resp: 147473
Ion Ratio Lower Upper
43 100
58 18.1 26.6 79.7#



#62
4-Bromofluorobenzene
Concen: 47.263 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018392.D
Acq: 14 Sep 2020 18:29

Tgt Ion: 95 Resp: 338806
Ion Ratio Lower Upper
95 100
174 79.6 0.0 160.2
176 76.4 0.0 155.8

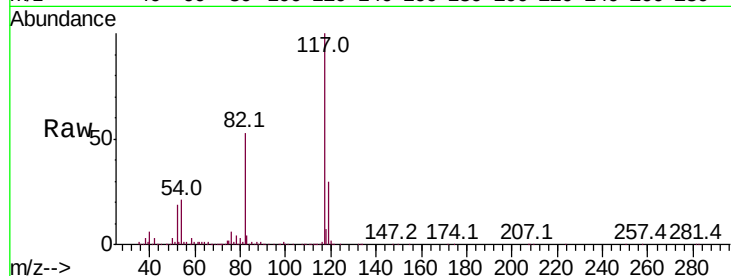




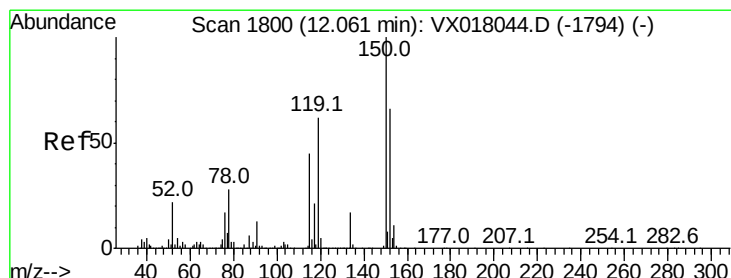
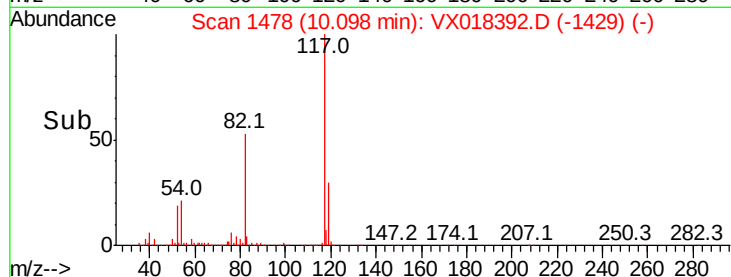
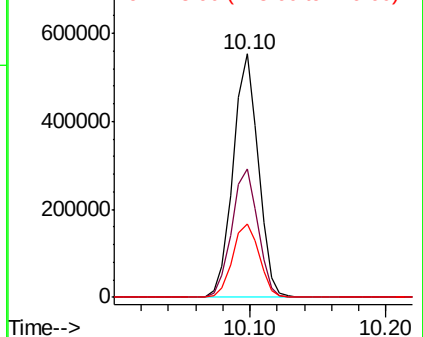
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018392.D
Acq: 14 Sep 2020 18:29

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	44.2	66.2
119	30.3	25.7	38.5

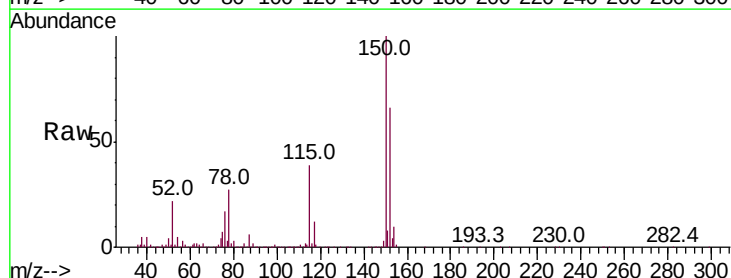


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

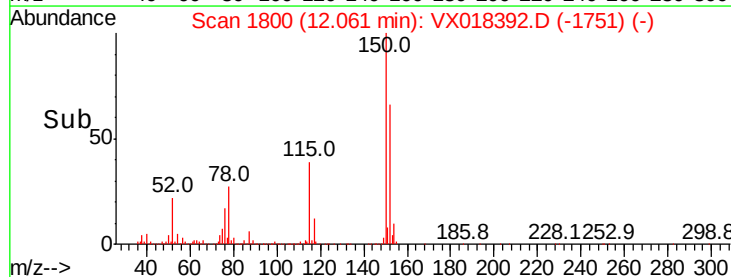
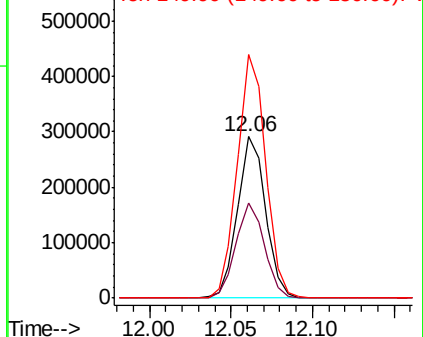


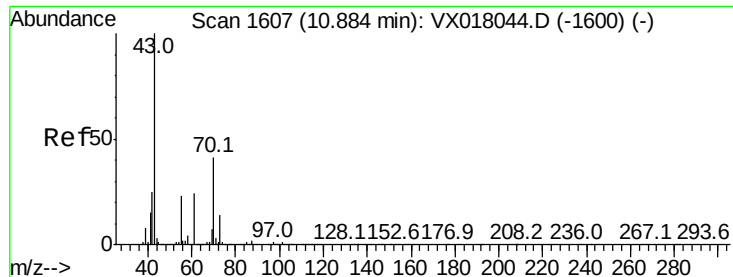
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018392.D
Acq: 14 Sep 2020 18:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.5	41.5	124.5
150	152.1	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

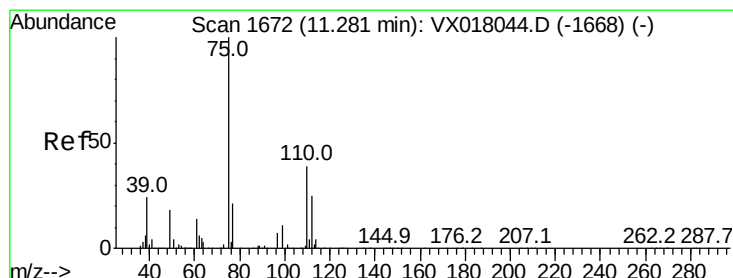
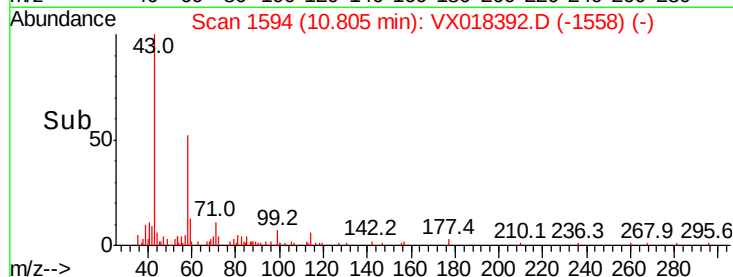
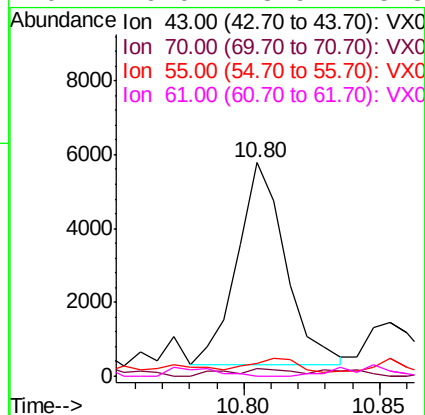
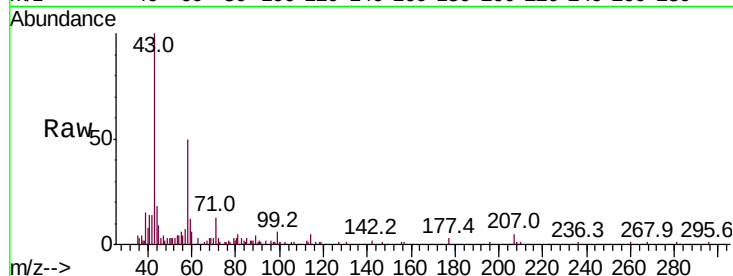




#74
N-amvl acetate
Concen: 0.615 ug/l
RT: 10.80 min Scan# 1594
Delta R.T. -0.08 min
Lab File: VX018392.D
Acq: 14 Sep 2020 18:29

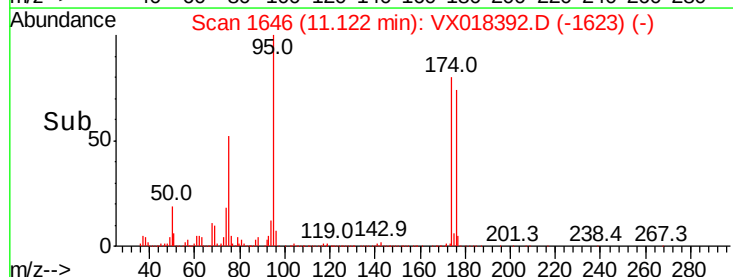
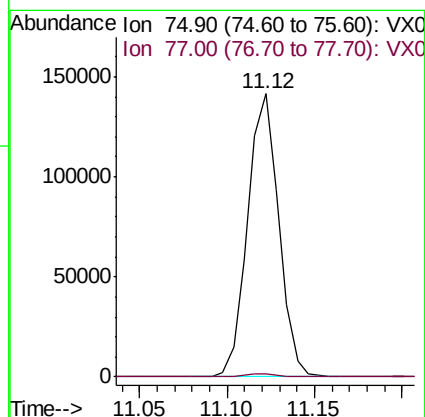
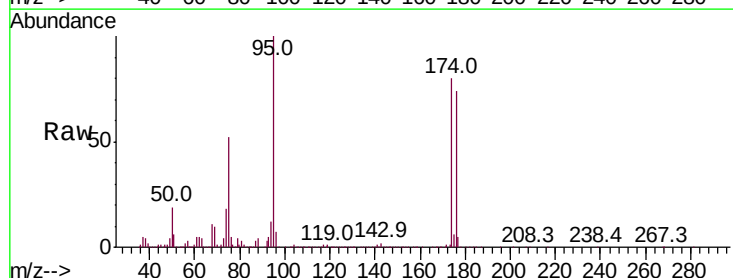
Instrument :
MSVOA_X
ClientSampleId :

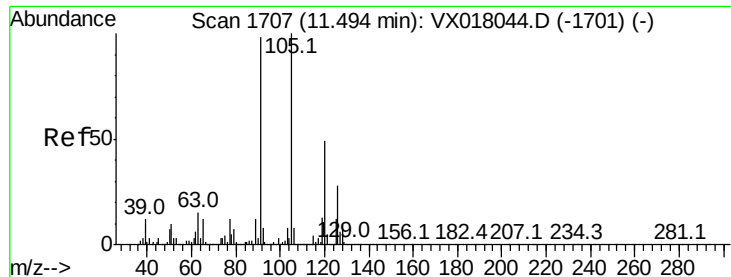
Tot Ion:	43	Resp:	6757
Ion	Ratio	Lower	Upper
43	100		
70	5.0	32.3	48.5#
55	8.3	18.2	27.2#
61	0.0	18.9	28.3#



#76
1,2,3-Trichloropropane
Concen: 22.395 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.16 min
Lab File: VX018392.D
Acq: 14 Sep 2020 18:29

Tgt Ion:	75	Resp:	174989
Ion	Ratio	Lower	Upper
75	100		
77	1.3	20.8	62.2#





#80

1,3,5-Trimethylbenzene

Concen: 0.915 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX018392.D

Acq: 14 Sep 2020 18:29

Instrument :

MSVOA_X

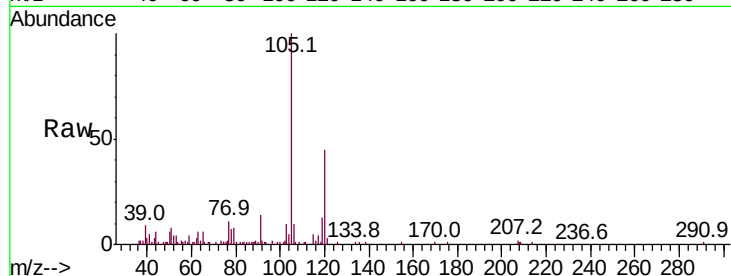
ClientSampled :

Tot Ion:105 Resp: 17430

Ion Ratio Lower Upper

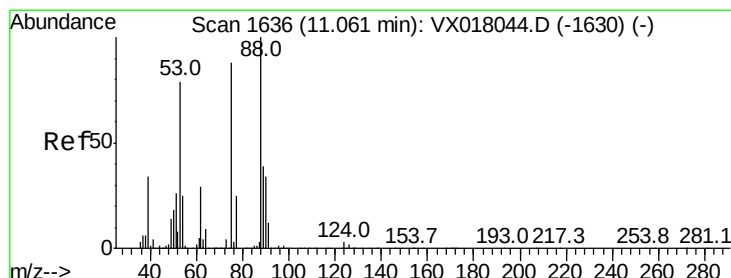
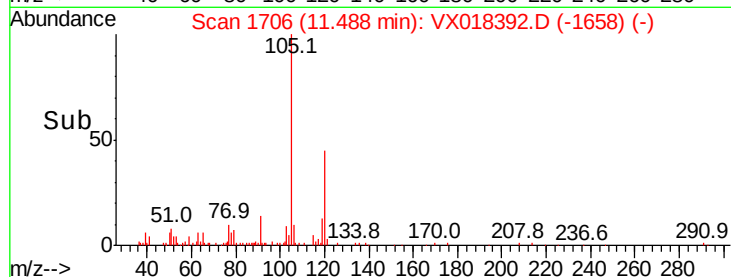
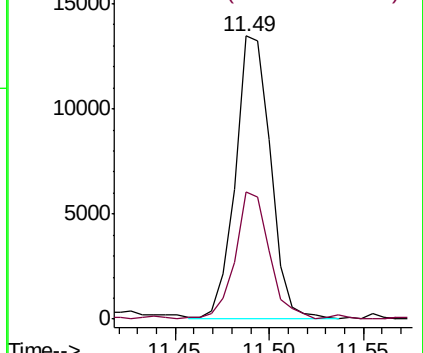
105 100

120 44.0 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 60.485 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018392.D

Acq: 14 Sep 2020 18:29

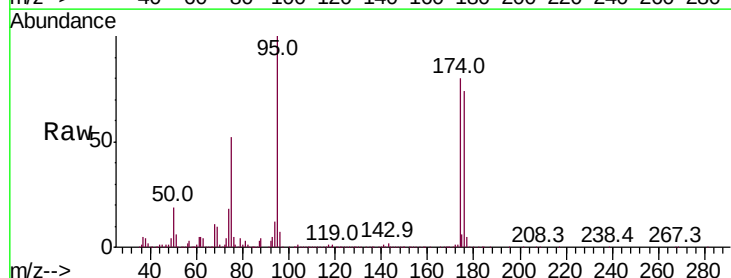
Tgt Ion: 75 Resp: 174989

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.1 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

