

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012420\
 Data File : VX014709.D
 Acq On : 24 Jan 2020 20:02
 Operator : JC/SP
 Sample : PB126303ZHE#10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB126303ZHE#10

Quant Time: Jan 24 22:35:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 12:35:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	456434	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	724577	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	675602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	291545	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	260955	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	
35) Dibromofluoromethane	5.49	113	217514	47.57	ug/l	0.00
Spiked Amount			Recovery	=	95.14%	
50) Toluene-d8	8.71	98	884505	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	
62) 4-Bromofluorobenzene	11.13	95	295126	47.14	ug/l	0.00
Spiked Amount			Recovery	=	94.28%	

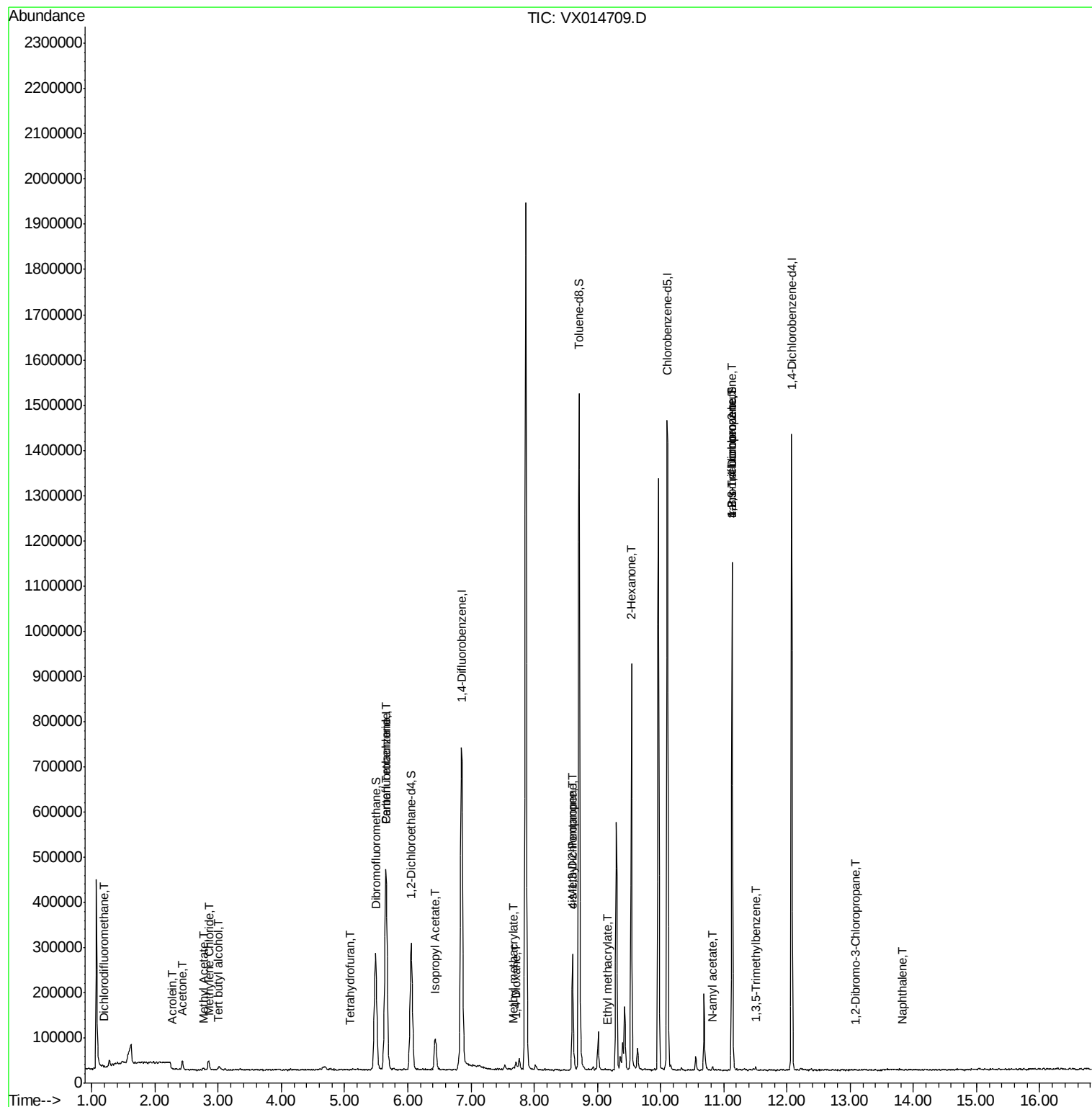
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	249	0.571	ug/l	84
6) Chloroethane	1.66	64	1280	Below Cal	#	83
11) Tert butyl alcohol	3.01	59	6658	5.564	ug/l #	89
13) Acrolein	2.28	56	878	0.931	ug/l #	42
16) Acetone	2.44	43	21675	7.566	ug/l	91
18) Methyl Acetate	2.76	43	6127	0.735	ug/l	98
20) Methylene Chloride	2.85	84	11221	2.076	ug/l #	93
29) Tetrahydrofuran	5.09	42	743	0.299	ug/l #	74
38) Carbon Tetrachloride	5.65	117	40912	6.363	ug/l #	15
41) Methacrylonitrile	5.03	41	330	Below Cal	#	1
43) Isopropyl Acetate	6.43	43	99055	7.844	ug/l	98
48) Methyl methacrylate	7.67	41	6018	0.997	ug/l #	18
49) 1,4-Dioxane	7.72	88	101	0.790	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	94243	11.825	ug/l #	50
54) cis-1,3-Dichloropropene	8.61	75	43030	5.336	ug/l #	64
56) Ethyl methacrylate	9.17	69	289	1.816	ug/l #	23
59) 2-Hexanone	9.54	43	107878	17.443	ug/l #	52
74) N-amyl acetate	10.82	43	4624	0.515	ug/l #	55
76) 1,2,3-Trichloropropane	11.13	75	145657	21.474	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.50	105	4186	0.246	ug/l	84
81) trans-1,4-Dichloro-2-buten	11.13	75	145657	61.110	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	13.08	75	325	0.207	ug/l	66
95) Naphthalene	13.84	128	1296	0.994	ug/l #	75

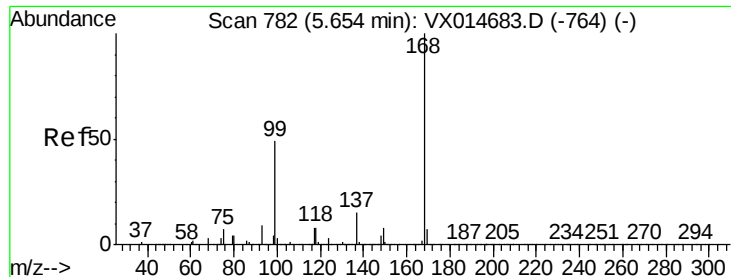
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 24 22:35:36 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 22 12:35:15 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX014709.D

Acq: 24 Jan 2020 20:02

Instrument :

MSVOA_X

ClientSampleId :

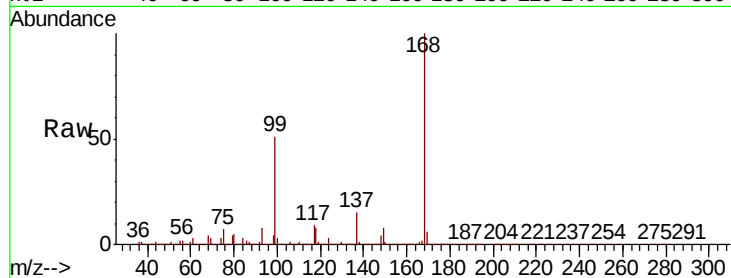
PB126303ZHE#10

Tot Ion:168 Resp: 456434

Ion Ratio Lower Upper

168 100

99 50.7 39.8 59.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

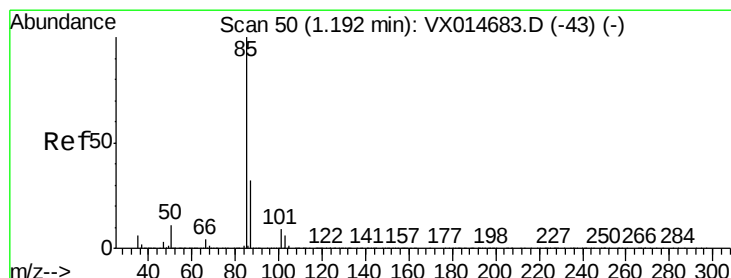
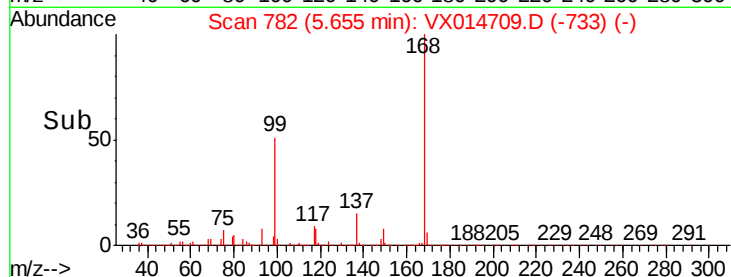
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.571 ug/l

RT: 1.20 min Scan# 51

Delta R.T. 0.01 min

Lab File: VX014709.D

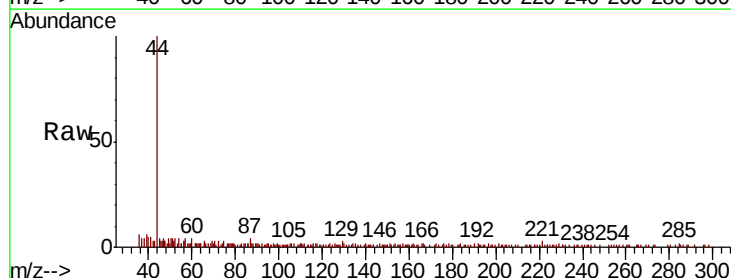
Acq: 24 Jan 2020 20:02

Tgt Ion: 85 Resp: 249

Ion Ratio Lower Upper

85 100

87 41.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

300

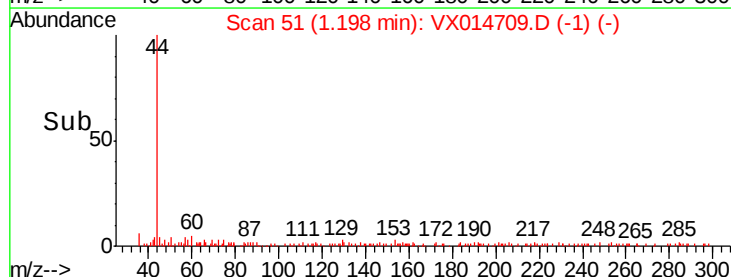
200

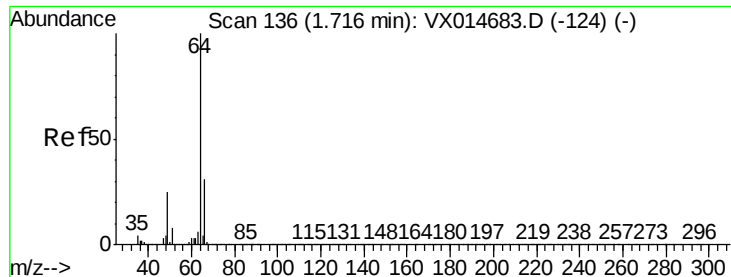
100

0

Time-->

1.18 1.20 1.22





#6

Chloroethane

Concen: Below Cal

RT: 1.66 min Scan# 127

Delta R.T. -0.05 min

Lab File: VX014709.D

Acq: 24 Jan 2020 20:02

Instrument :

MSVOA_X

ClientSampleId :

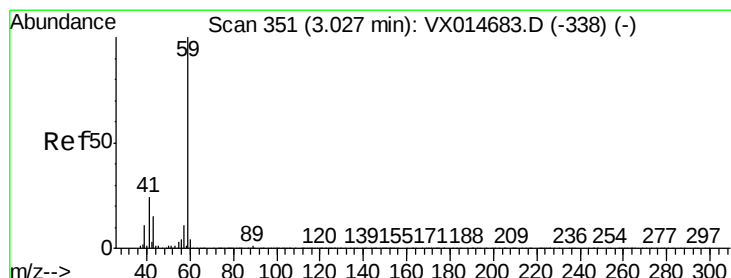
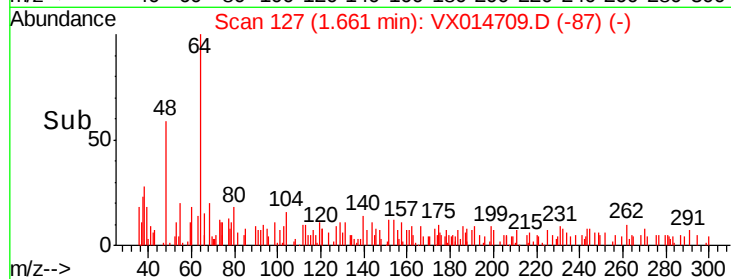
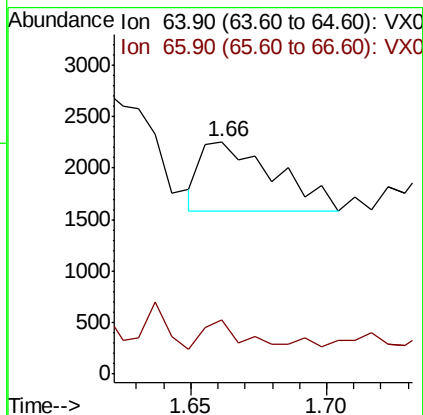
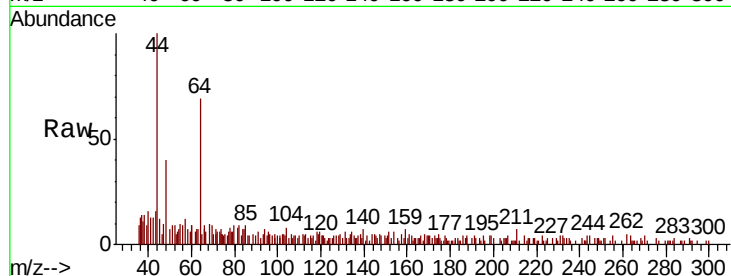
PB126303ZHE#10

Tot Ion: 64 Resp: 1280

Ion Ratio Lower Upper

64 100

66 41.2 25.2 37.8#



#11

Tert butyl alcohol

Concen: 5.564 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX014709.D

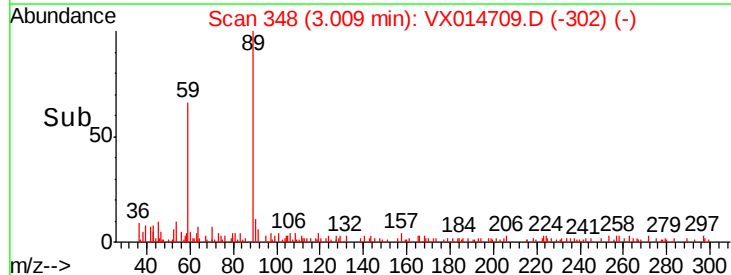
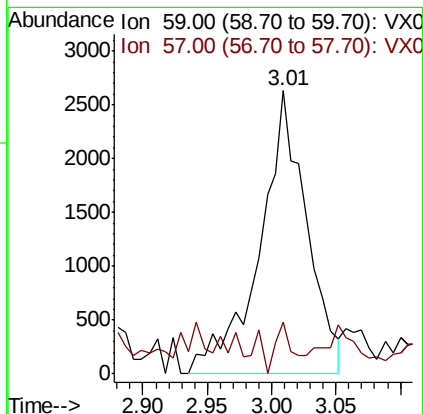
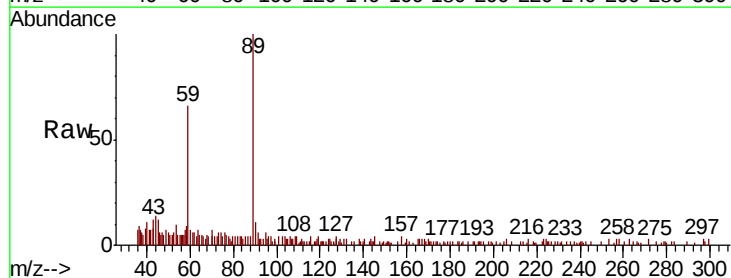
Acq: 24 Jan 2020 20:02

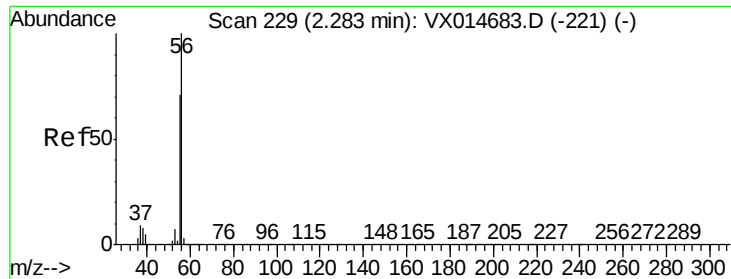
Tgt Ion: 59 Resp: 6658

Ion Ratio Lower Upper

59 100

57 6.3 8.3 12.5#





#13

Acrolein

Concen: 0.931 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014709.D

Acq: 24 Jan 2020 20:02

Instrument :

MSVOA_X

ClientSampleId :

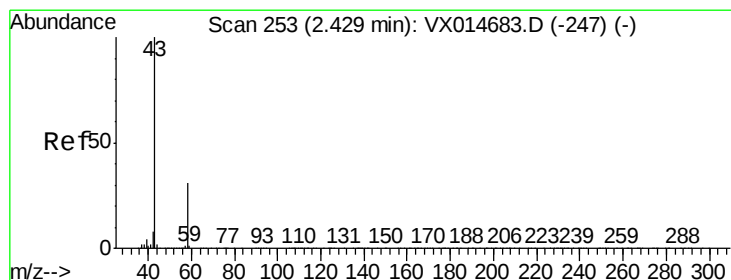
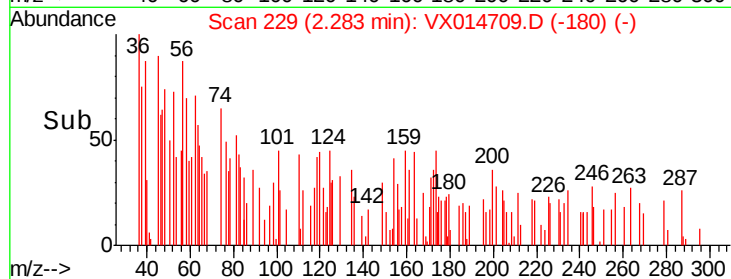
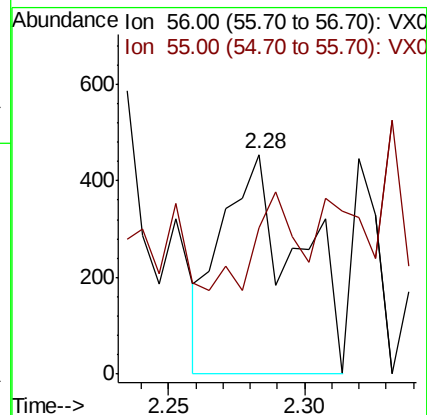
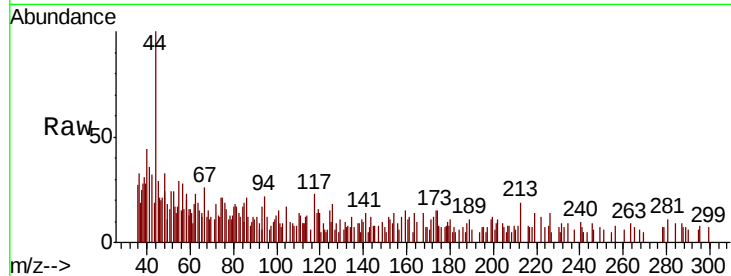
PB126303ZHE#10

Tot Ion: 56 Resp: 878

Ion Ratio Lower Upper

56 100

55 23.2 56.6 84.8#



#16

Acetone

Concen: 7.566 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX014709.D

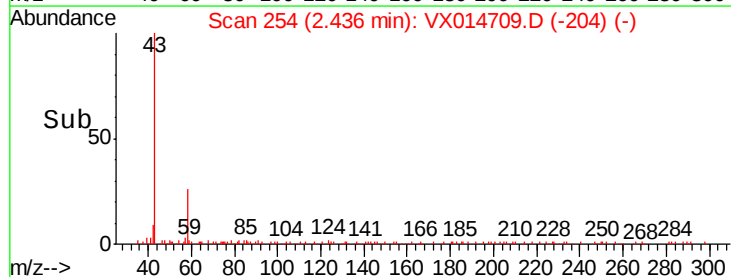
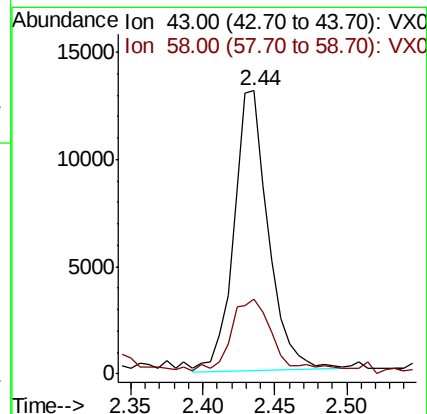
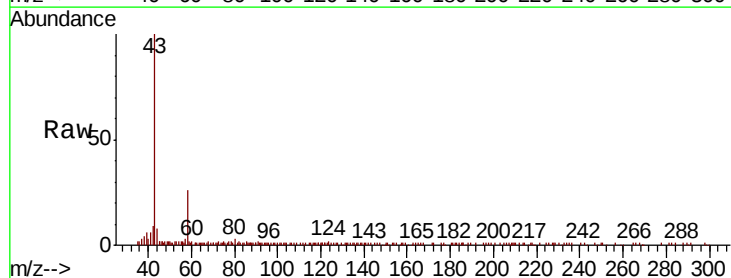
Acq: 24 Jan 2020 20:02

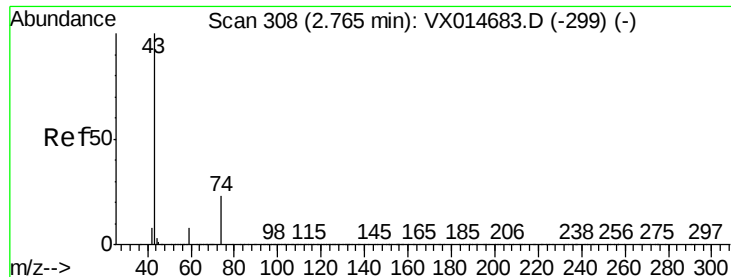
Tgt Ion: 43 Resp: 21675

Ion Ratio Lower Upper

43 100

58 25.6 24.5 36.7

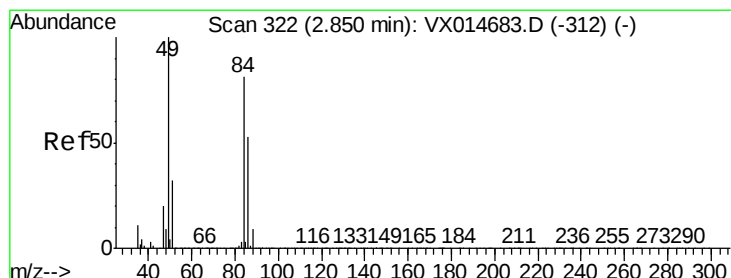
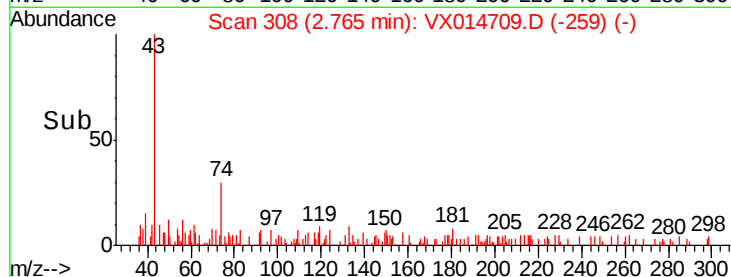
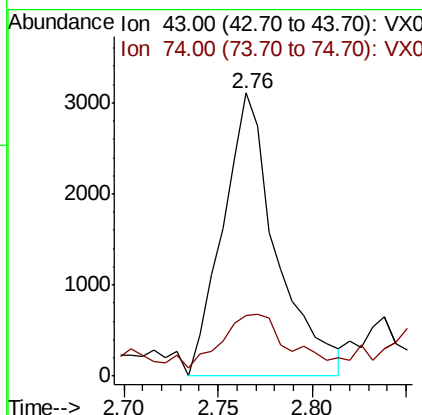
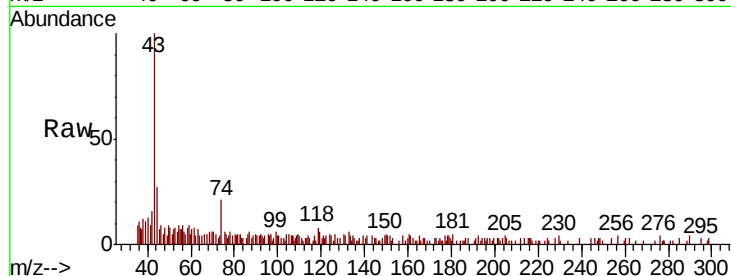




#18
Methvl Acetate
Concen: 0.735 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX014709.D
Acq: 24 Jan 2020 20:02

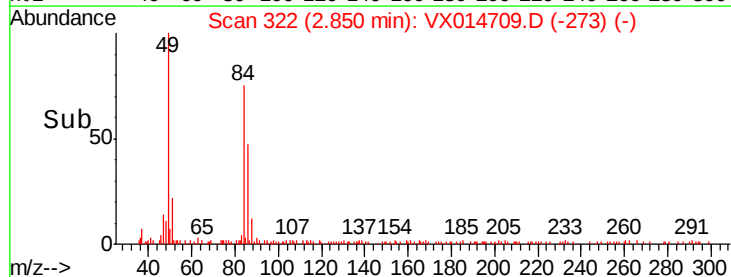
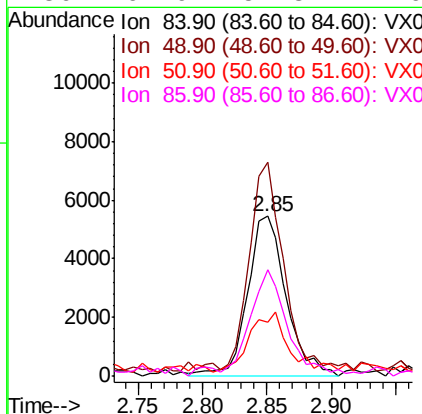
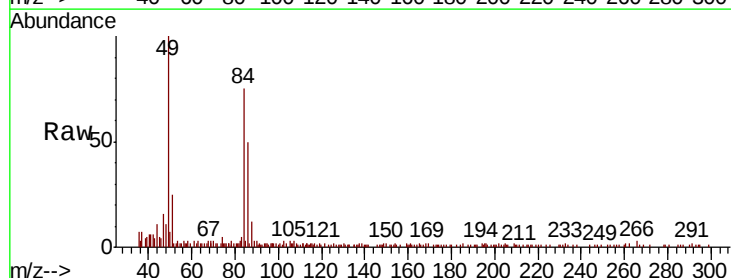
Instrument :
MSVOA_X
ClientSampleId :
PB126303ZHE#10

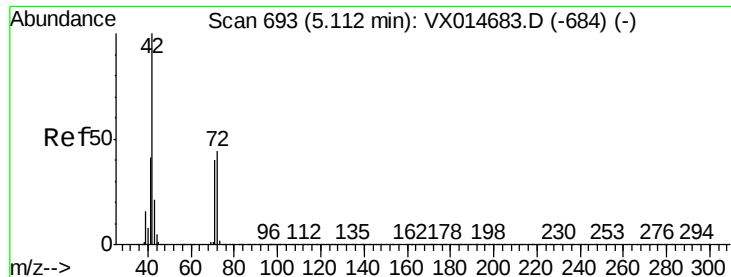
Tot Ion: 43 Resp: 6127
Ion Ratio Lower Upper
43 100
74 22.1 18.5 27.7



#20
Methylene Chloride
Concen: 2.076 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014709.D
Acq: 24 Jan 2020 20:02

Tgt Ion: 84 Resp: 11221
Ion Ratio Lower Upper
84 100
49 129.7 98.2 147.4
51 31.0 31.3 46.9#
86 67.9 51.8 77.6

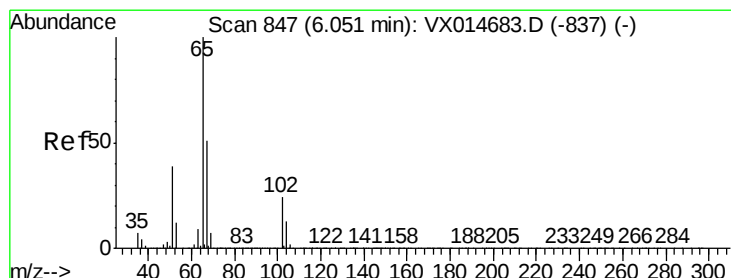
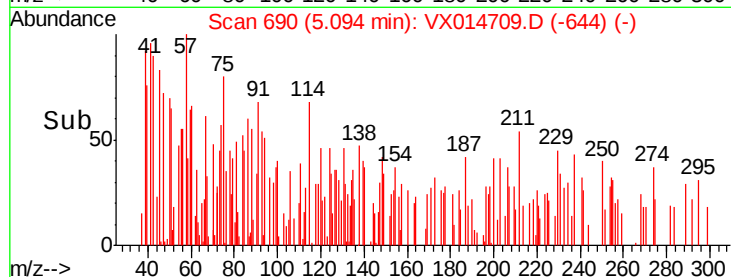
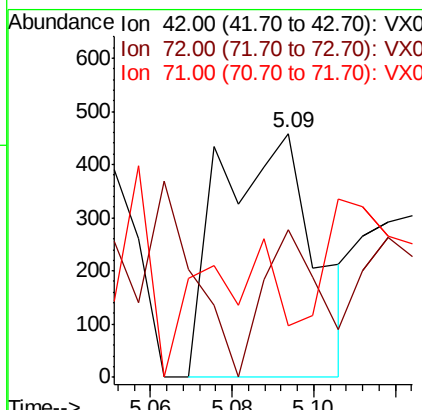
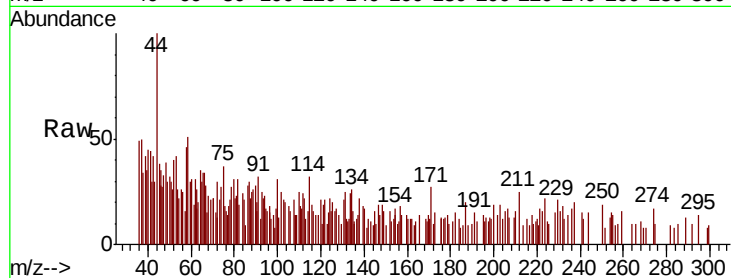




#29
Tetrahydrofuran
Concen: 0.299 ug/l
RT: 5.09 min Scan# 690
Delta R.T. -0.02 min
Lab File: VX014709.D
Acq: 24 Jan 2020 20:02

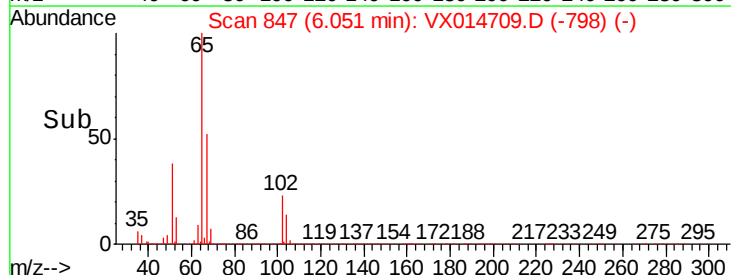
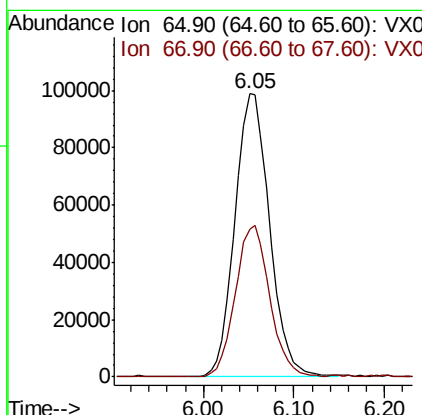
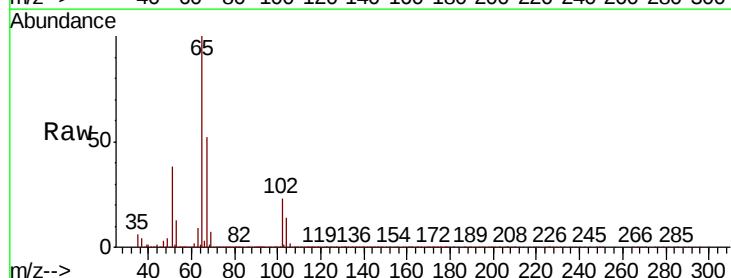
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MSVOA_X
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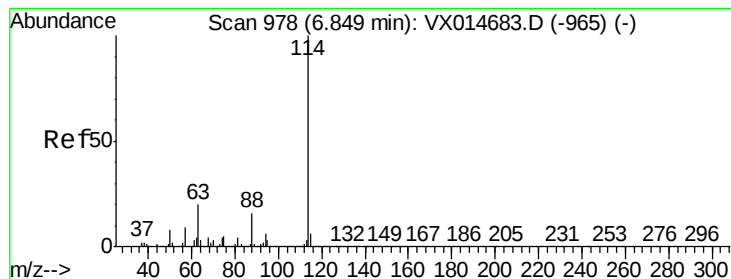
Tot Ion: 42 Resp: 743
Ion Ratio Lower Upper
42 100
72 36.5 35.3 52.9
71 15.6 33.1 49.7#



#33
1,2-Dichloroethane-d4
Concen: 48.959 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014709.D
Acq: 24 Jan 2020 20:02

Tgt Ion: 65 Resp: 260955
Ion Ratio Lower Upper
65 100
67 53.0 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014709.D

Acq: 24 Jan 2020 20:02

Instrument :

MSVOA_X

ClientSampleId :

PB126303ZHE#10

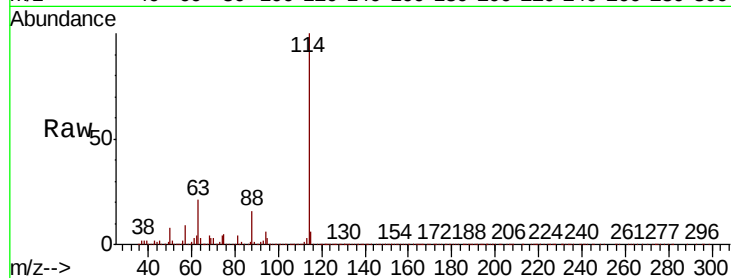
Tot Ion:114 Resp: 724577

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.6

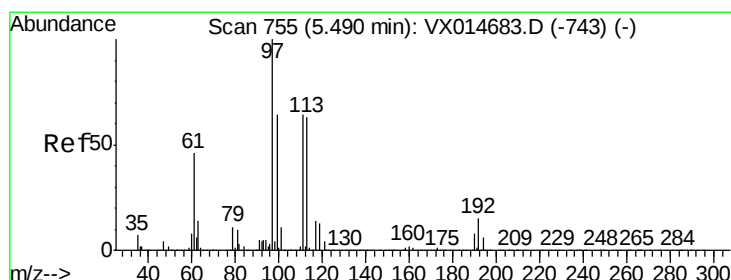
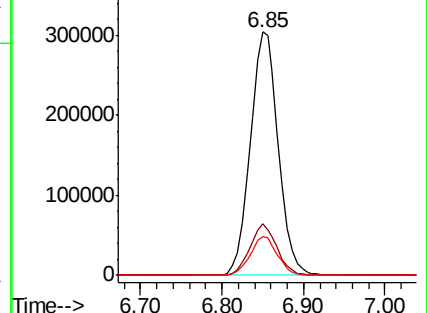
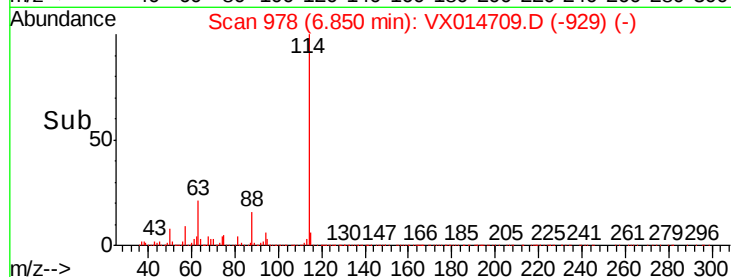
88 16.0 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.575 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014709.D

Acq: 24 Jan 2020 20:02

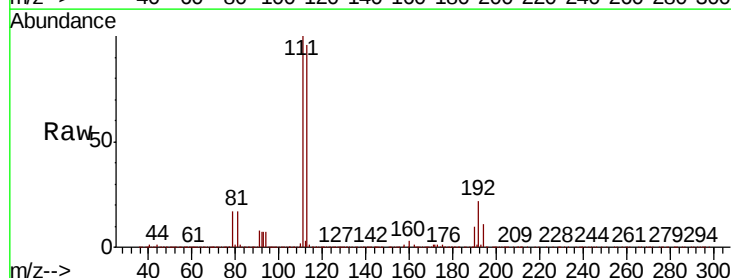
Tgt Ion:113 Resp: 217514

Ion Ratio Lower Upper

113 100

111 103.1 80.7 121.1

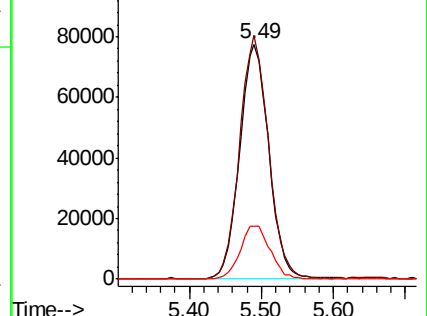
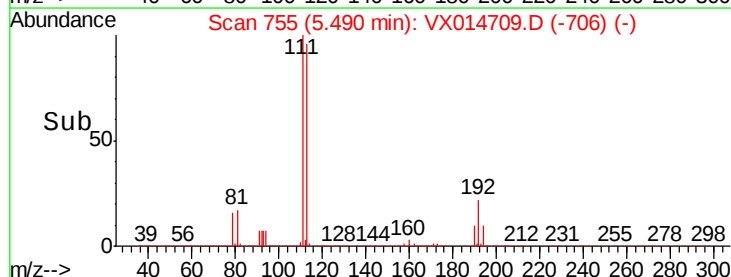
192 23.4 18.5 27.7

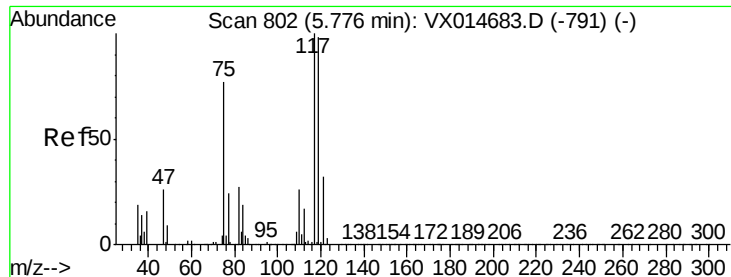


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 6.363 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014709.D

Acq: 24 Jan 2020 20:02

Instrument :

MSVOA_X

ClientSampleId :

PB126303ZHE#10

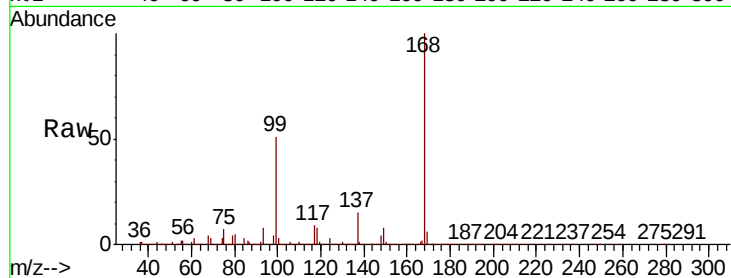
Tot Ion:117 Resp: 40912

Ion Ratio Lower Upper

117 100

119 4.9 77.9 116.9#

121 0.2 25.4 38.2#

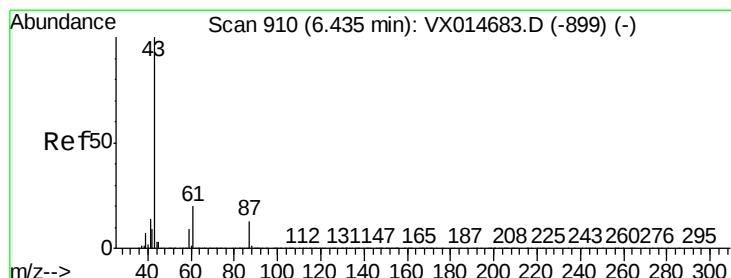
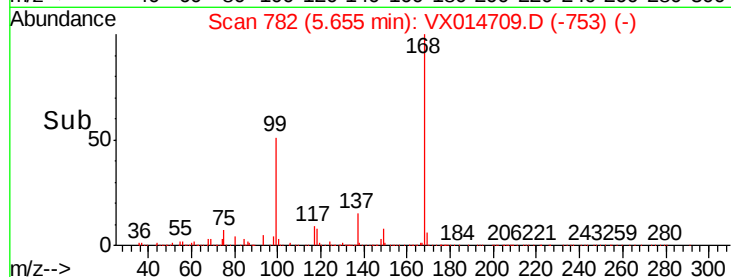
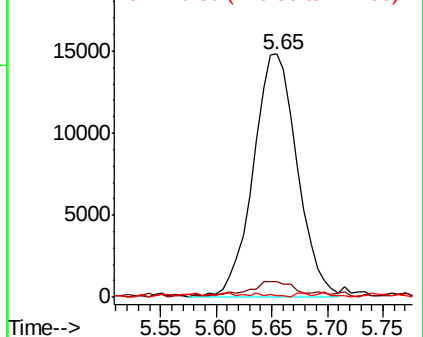


Abundance

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



#43

Isopropyl Acetate

Concen: 7.844 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX014709.D

Acq: 24 Jan 2020 20:02

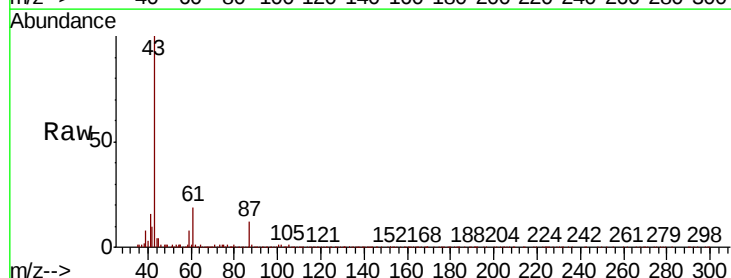
Tgt Ion: 43 Resp: 99055

Ion Ratio Lower Upper

43 100

61 19.3 16.2 24.4

87 13.4 10.5 15.7

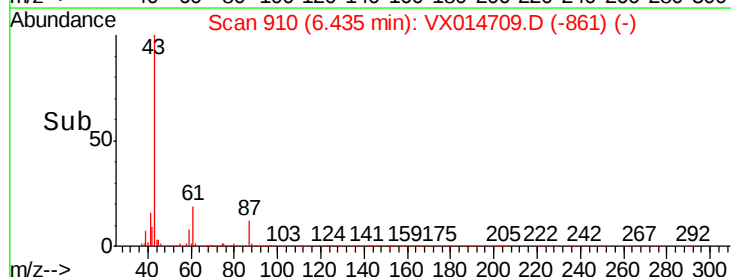
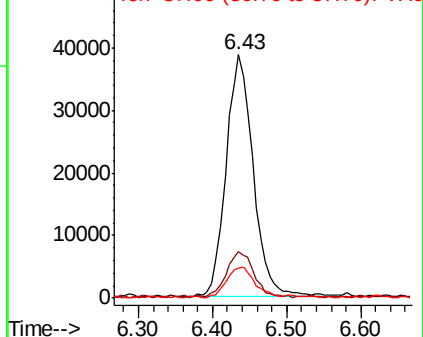


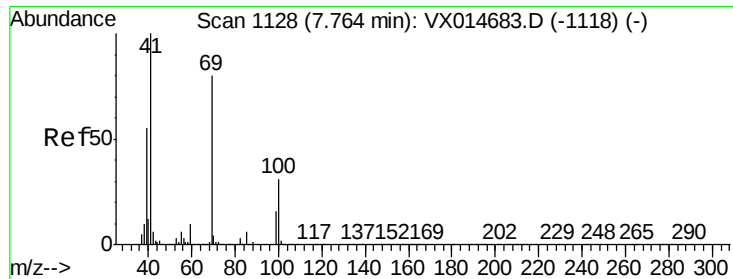
Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

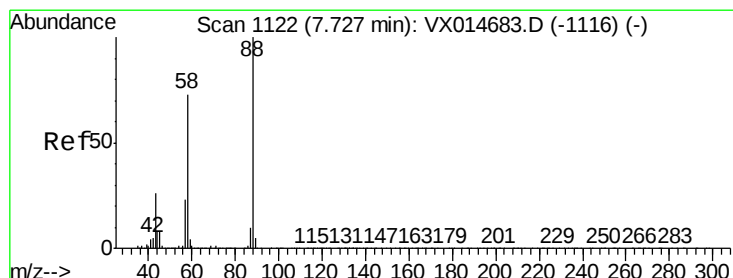
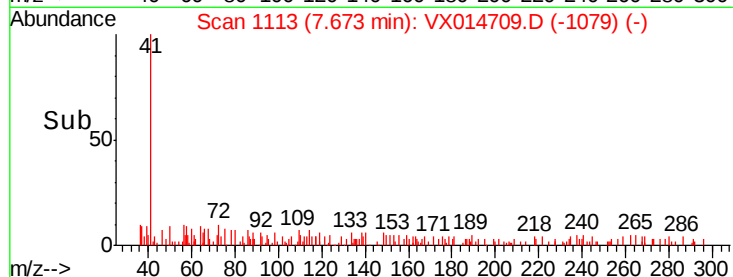
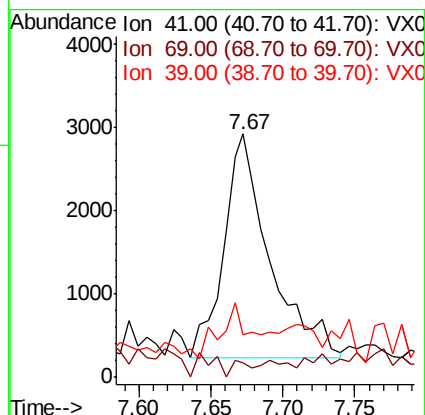
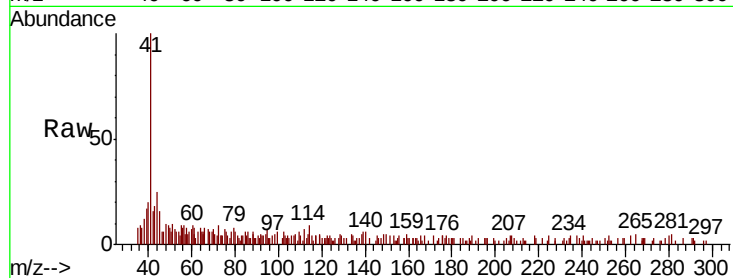




#48
Methvl methacrylate
Concen: 0.997 ug/l
RT: 7.67 min Scan# 1113
Delta R.T. -0.09 min
Lab File: VX014709.D
Acq: 24 Jan 2020 20:02

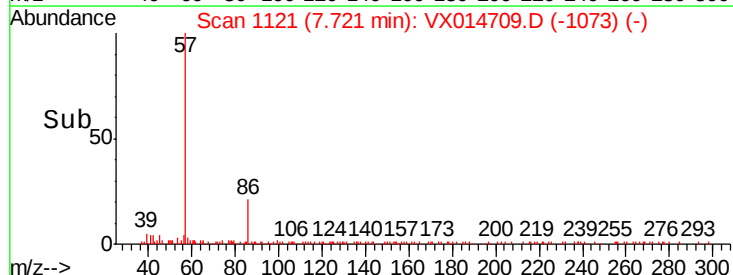
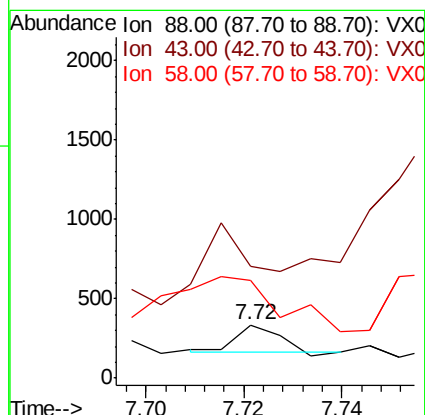
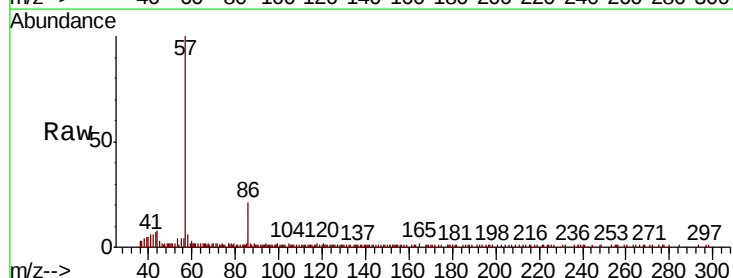
Instrument :
MSVOA_X
ClientSampleId :
PB126303ZHE#10

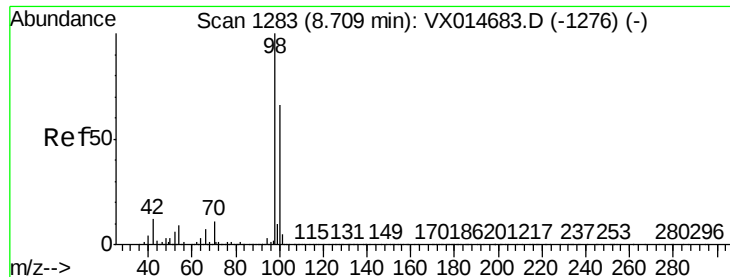
Tot Ion: 41 Resp: 6018
Ion Ratio Lower Upper
41 100
69 2.9 63.5 95.3#
39 0.0 43.7 65.5#



#49
1,4-Dioxane
Concen: 0.790 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VX014709.D
Acq: 24 Jan 2020 20:02

Tgt Ion: 88 Resp: 101
Ion Ratio Lower Upper
88 100
43 0.0 26.2 39.2#
58 976.2 56.6 85.0#





#50

Toluene-d8

Concen: 50.322 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014709.D

Acq: 24 Jan 2020 20:02

Instrument :

MSVOA_X

ClientSampleId :

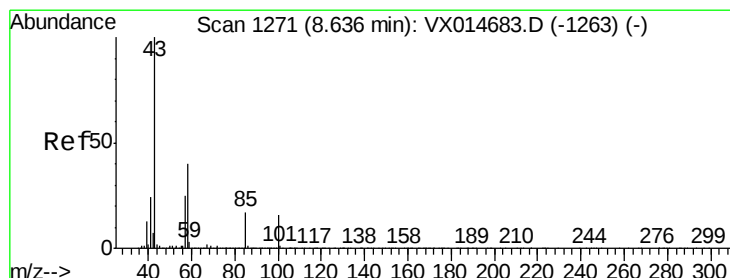
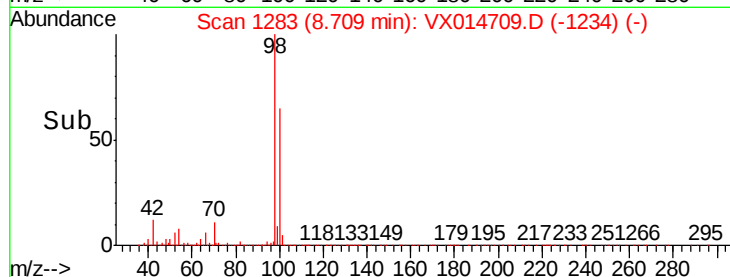
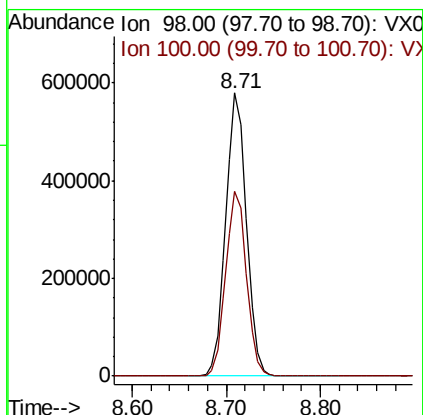
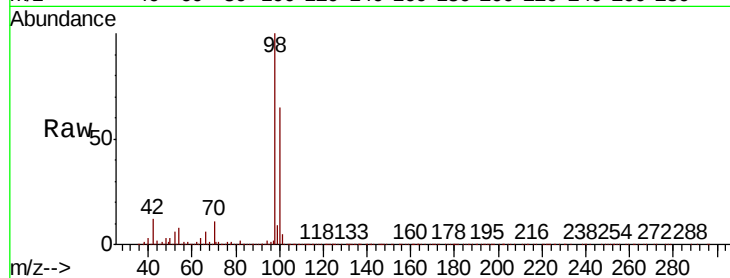
PB126303ZHE#10

Tot Ion: 98 Resp: 884505

Ion Ratio Lower Upper

98 100

100 65.5 53.0 79.6



#51

4-Methyl-2-Pentanone

Concen: 11.825 ug/l

RT: 8.61 min Scan# 1267

Delta R.T. -0.02 min

Lab File: VX014709.D

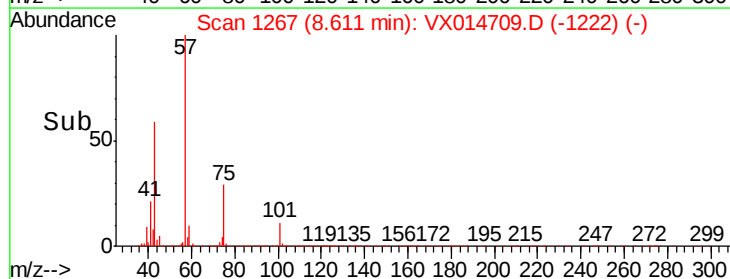
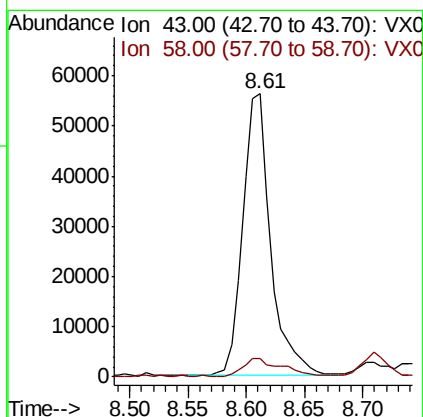
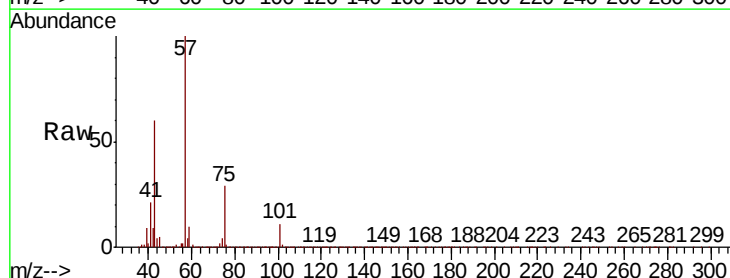
Acq: 24 Jan 2020 20:02

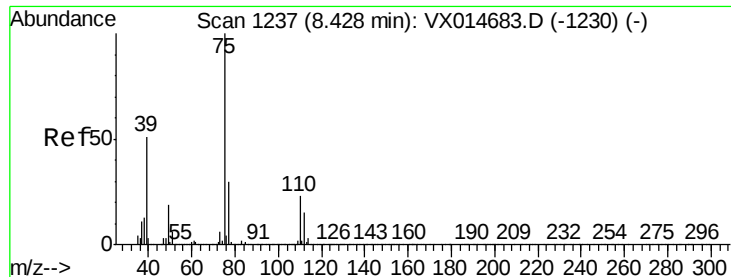
Tgt Ion: 43 Resp: 94243

Ion Ratio Lower Upper

43 100

58 8.8 31.6 47.4#



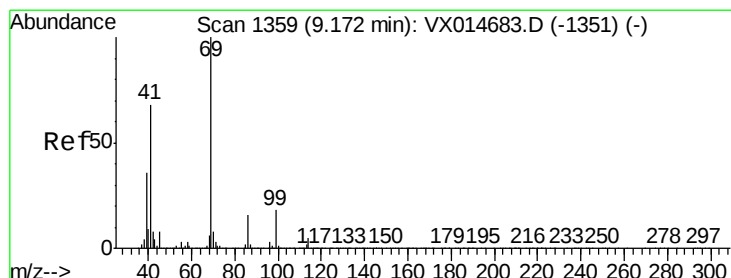
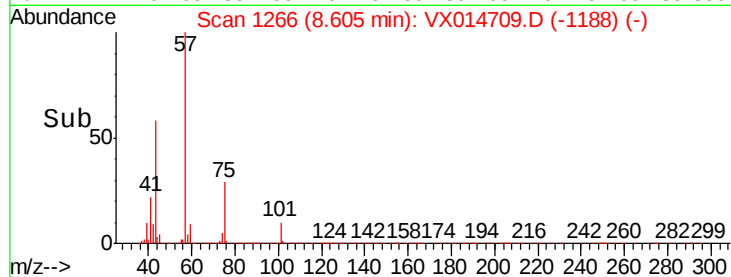
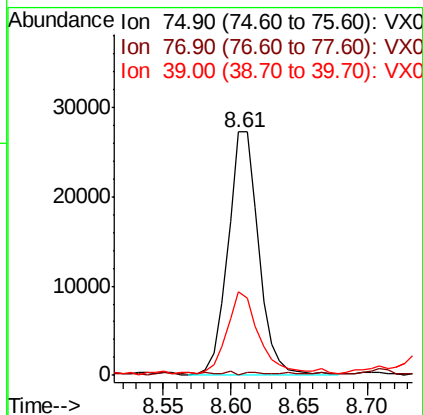
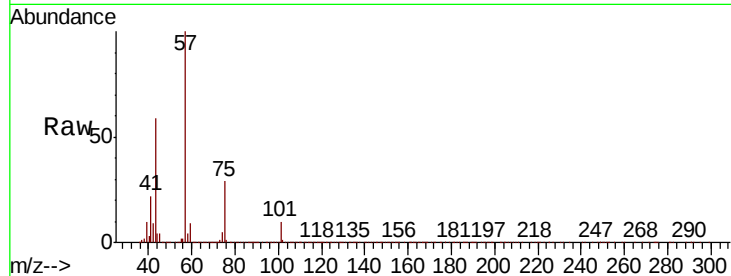


#54

cis-1,3-Dichloropropene
 Concen: 5.336 ug/l
 RT: 8.61 min Scan# 1266
 Delta R.T. 0.18 min
 Lab File: VX014709.D
 Acq: 24 Jan 2020 20:02

Instrument :
 MSVOA_X
 ClientSampleId :
 PB126303ZHE#10

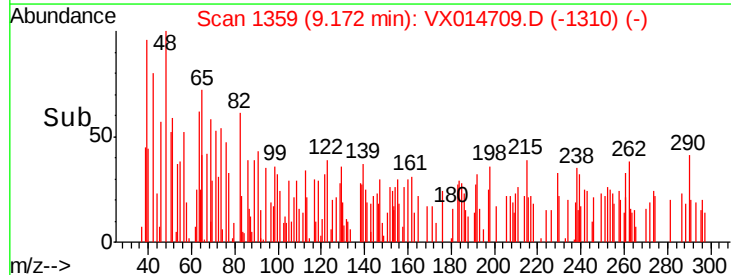
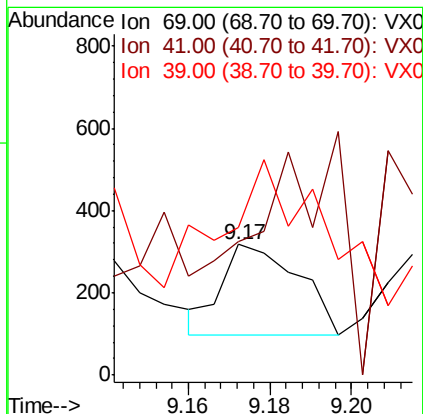
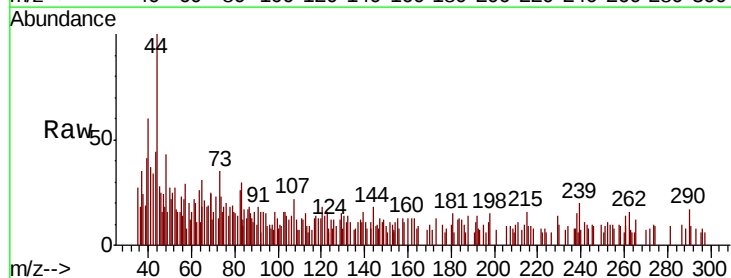
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	23.9	35.9#
39	33.4	40.9	61.3#

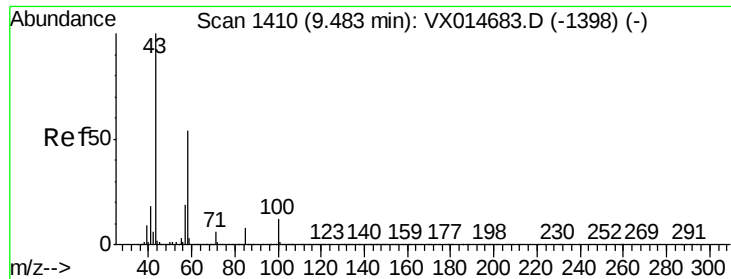


#56

Ethyl methacrylate
 Concen: 1.816 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014709.D
 Acq: 24 Jan 2020 20:02

Tgt Ion	Ratio	Lower	Upper
69	100		
41	0.0	54.9	82.3#
39	0.0	29.3	43.9#

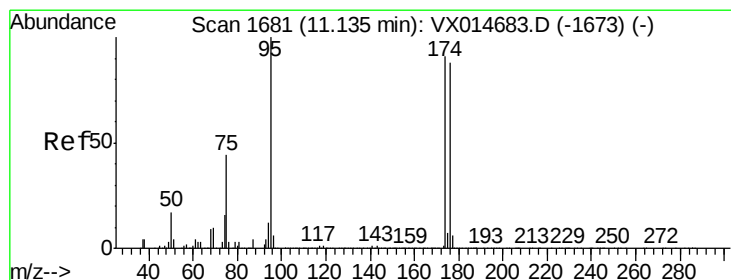
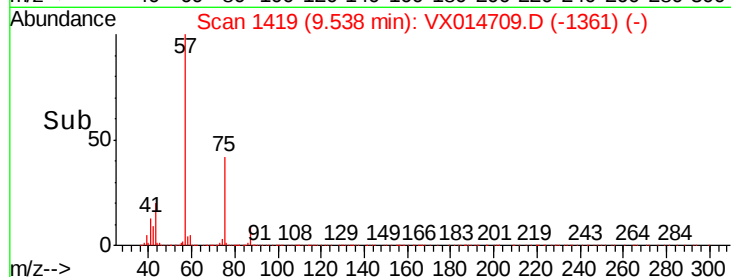
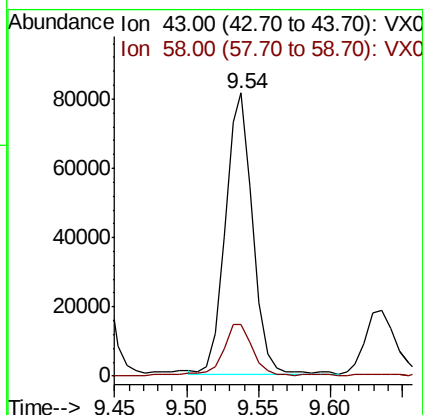
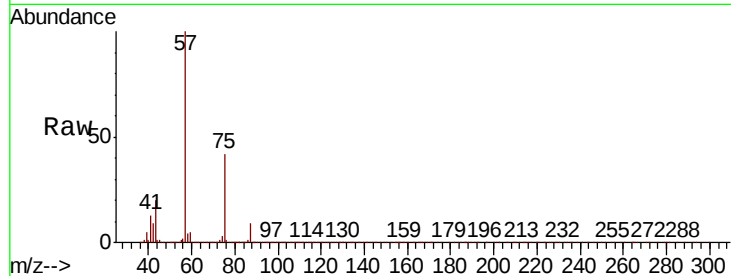




#59
2-Hexanone
Concen: 17.443 ug/l
RT: 9.54 min Scan# 1419
Delta R.T. 0.06 min
Lab File: VX014709.D
Acq: 24 Jan 2020 20:02

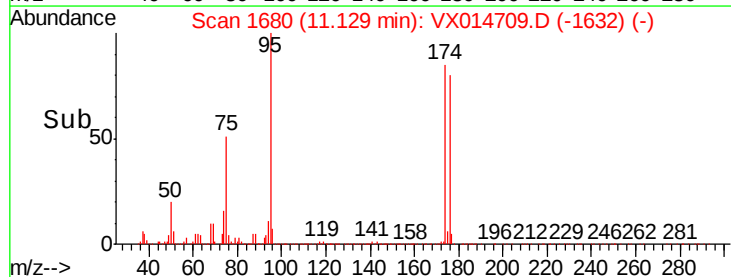
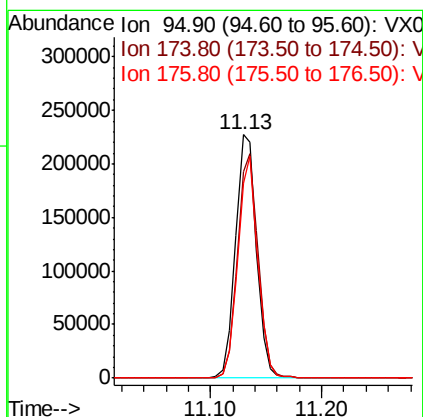
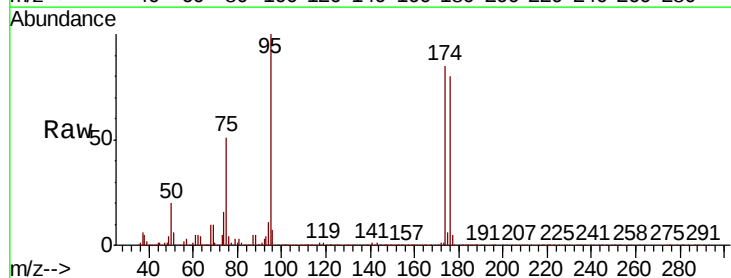
Instrument :
MSVOA_X
ClientSampleId :
PB126303ZHE#10

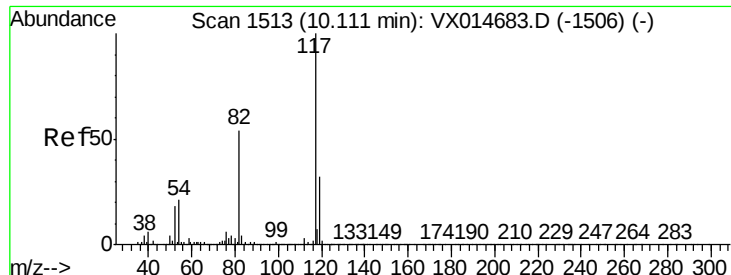
Tot Ion: 43 Resp: 107878
Ion Ratio Lower Upper
43 100
58 19.9 27.2 81.5#



#62
4-Bromofluorobenzene
Concen: 47.135 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014709.D
Acq: 24 Jan 2020 20:02

Tgt Ion: 95 Resp: 295126
Ion Ratio Lower Upper
95 100
174 91.1 0.0 176.0
176 87.0 0.0 172.2

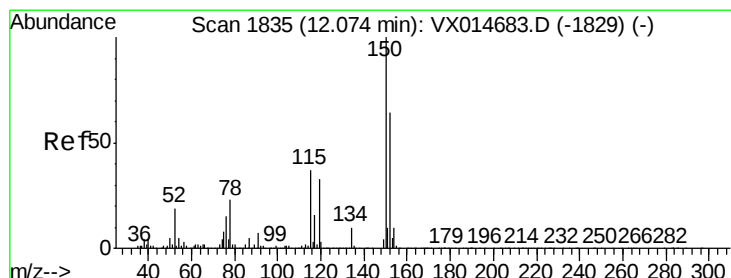
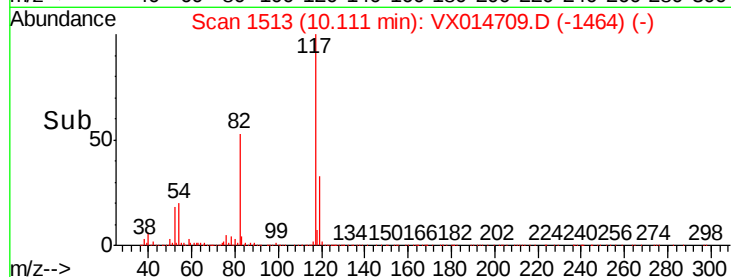
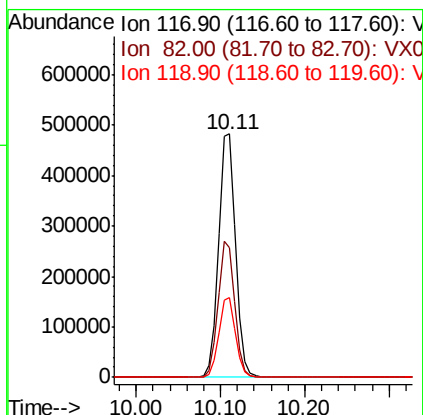
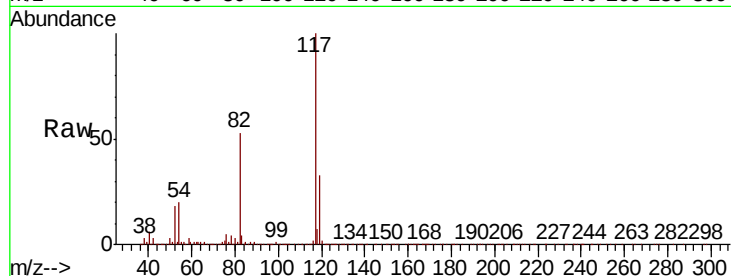




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014709.D
Acq: 24 Jan 2020 20:02

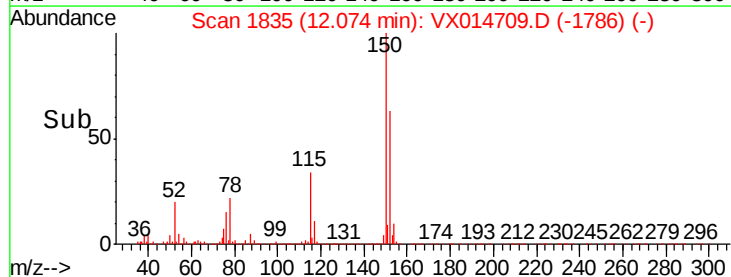
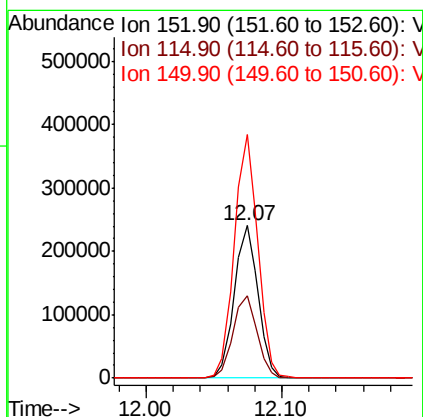
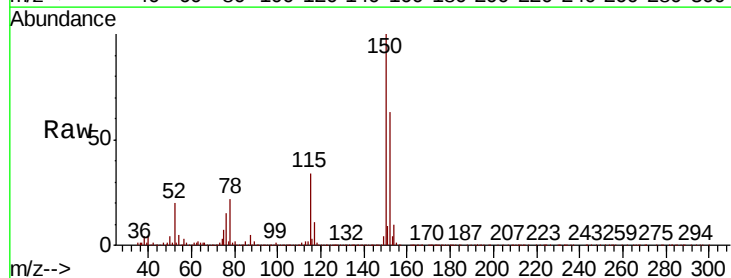
Instrument :
MSVOA_X
ClientSampleId :
PB126303ZHE#10

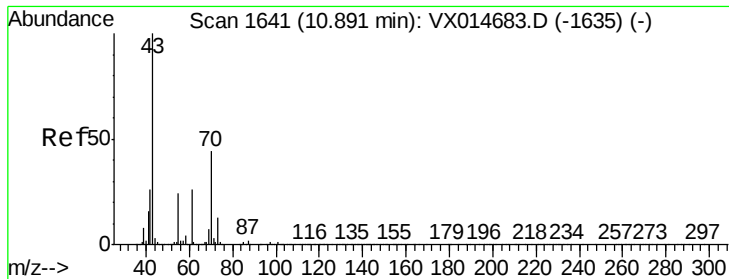
Tot Ion:117 Resp: 675602
Ion Ratio Lower Upper
117 100
82 53.1 43.2 64.8
119 32.6 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014709.D
Acq: 24 Jan 2020 20:02

Tgt Ion:152 Resp: 291545
Ion Ratio Lower Upper
152 100
115 55.3 39.4 118.1
150 158.5 0.0 351.2





#74

N-amvl acetate

Concen: 0.515 ug/l

RT: 10.82 min Scan# 1630

Delta R.T. -0.07 min

Lab File: VX014709.D

Acq: 24 Jan 2020 20:02

Instrument :

MSVOA_X

ClientSampleId :

PB126303ZHE#10

Tot Ion: 43 Resp: 4624

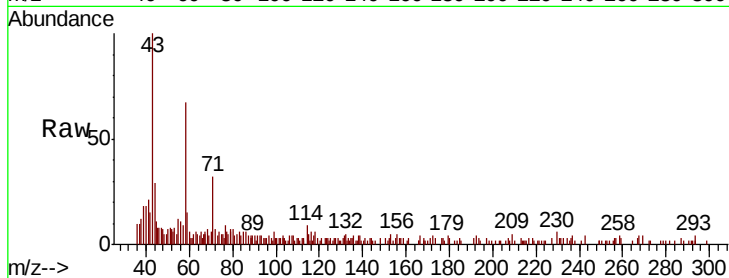
Ion Ratio Lower Upper

43 100

70 0.0 34.6 52.0#

55 23.2 19.4 29.2

61 0.0 19.8 29.6#

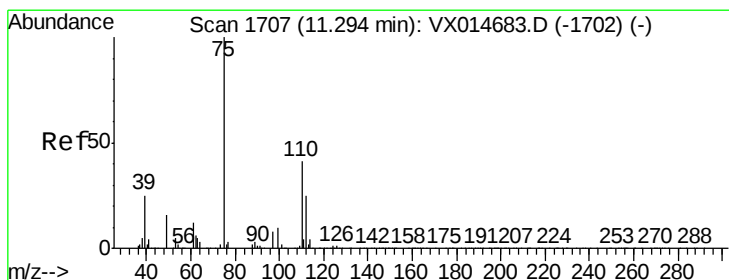
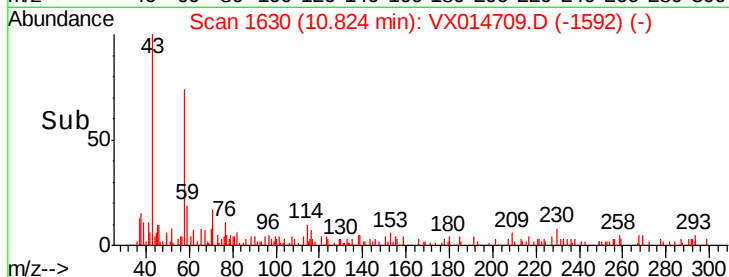
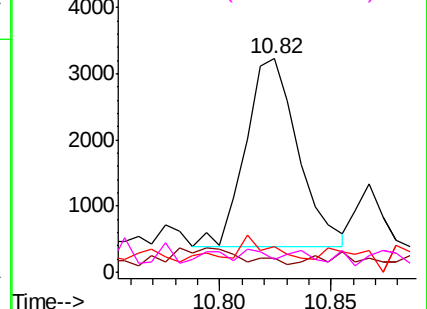


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 21.474 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014709.D

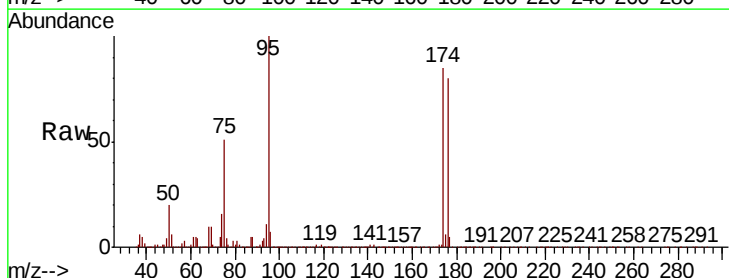
Acq: 24 Jan 2020 20:02

Tgt Ion: 75 Resp: 145657

Ion Ratio Lower Upper

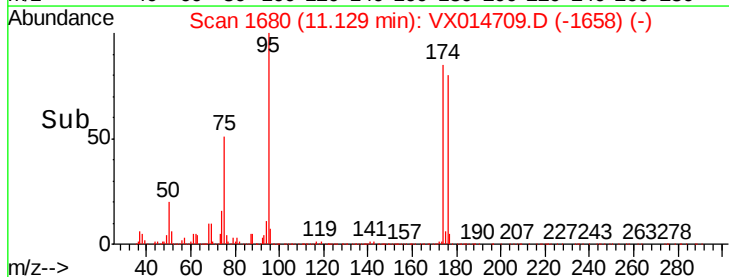
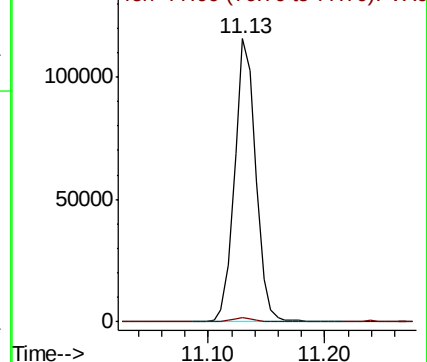
75 100

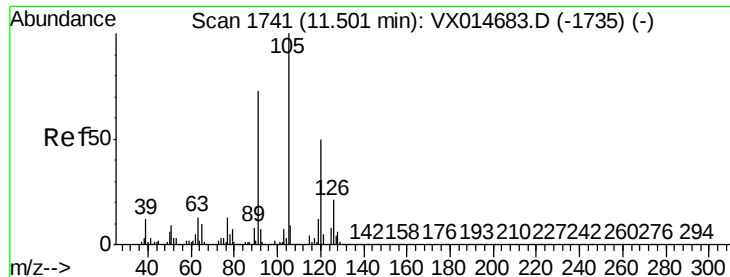
77 1.6 18.7 56.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

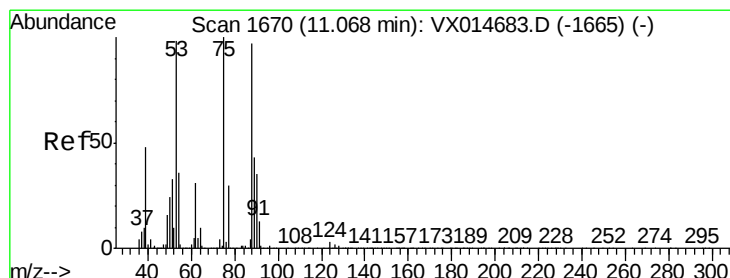
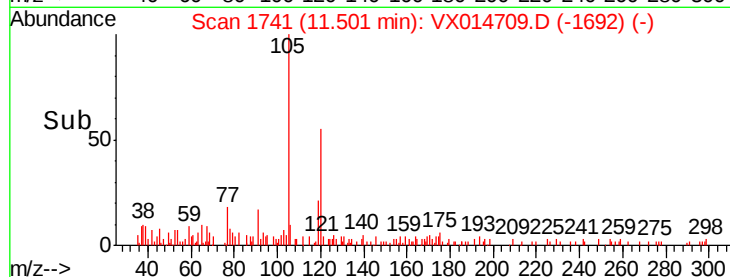
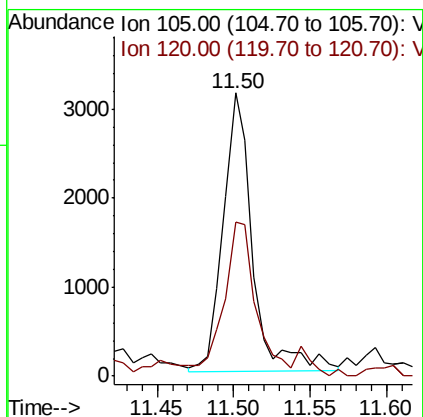
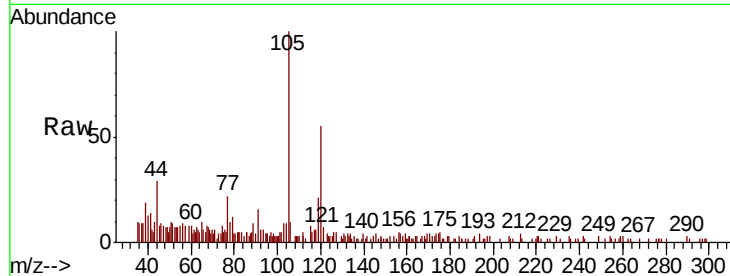




#80
 1,3,5-Trimethylbenzene
 Concen: 0.246 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX014709.D
 Acq: 24 Jan 2020 20:02

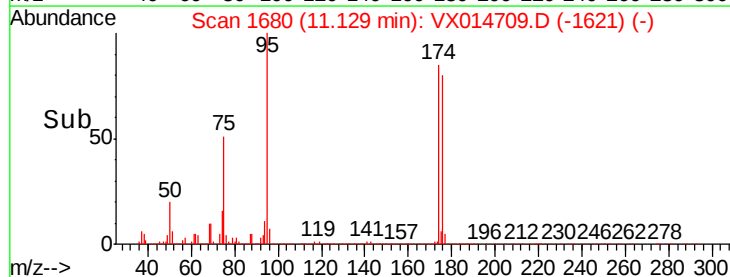
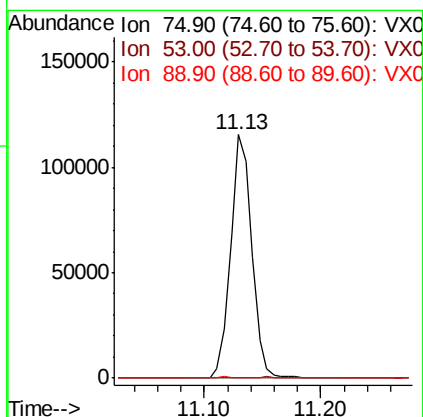
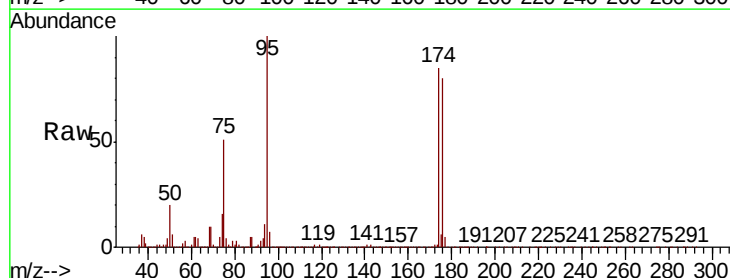
Instrument :
 MSVOA_X
 ClientSampleId :
 PB126303ZHE#10

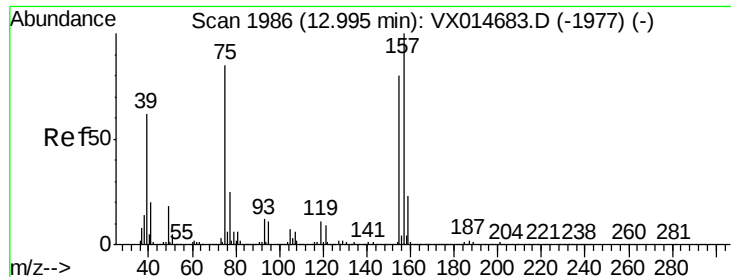
Tot Ion:105 Resp: 4186
 Ion Ratio Lower Upper
 105 100
 120 60.7 24.9 74.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.110 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX014709.D
 Acq: 24 Jan 2020 20:02

Tgt Ion: 75 Resp: 145657
 Ion Ratio Lower Upper
 75 100
 53 0.3 78.8 118.2#
 89 0.1 35.4 53.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.207 ug/l

RT: 13.08 min Scan# 2000

Delta R.T. 0.09 min

Lab File: VX014709.D

Acq: 24 Jan 2020 20:02

Instrument :

MSVOA_X

ClientSampleId :

PB126303ZHE#10

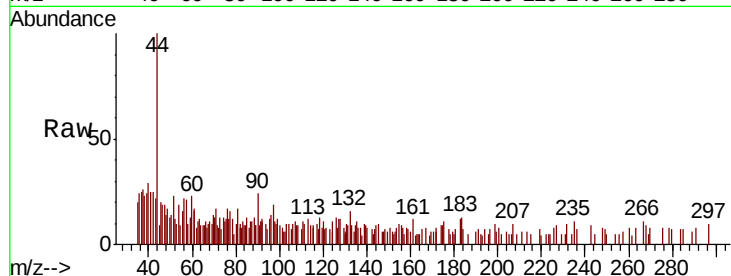
Tot Ion: 75 Resp: 325

Ion Ratio Lower Upper

75 100

155 46.8 45.6 136.9

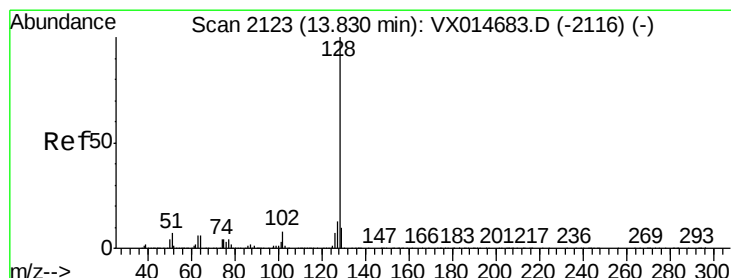
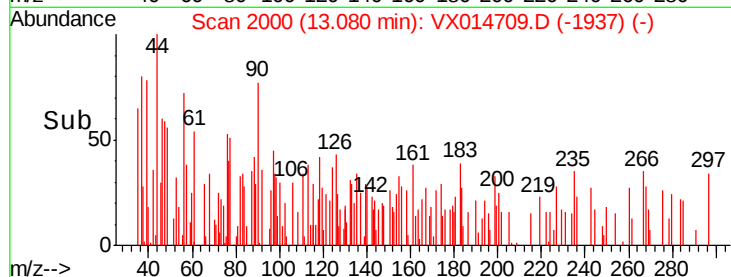
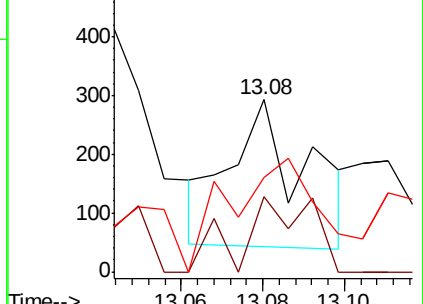
157 94.2 60.3 180.9



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 0.994 ug/l

RT: 13.84 min Scan# 2124

Delta R.T. 0.01 min

Lab File: VX014709.D

Acq: 24 Jan 2020 20:02

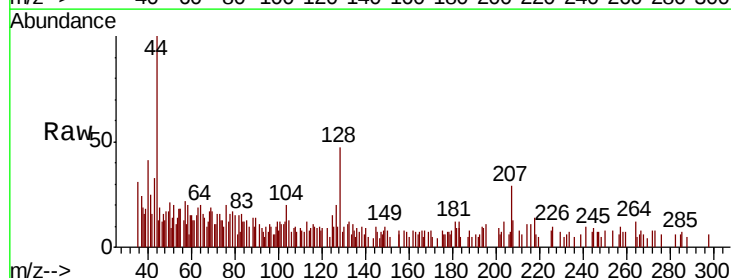
Tgt Ion: 128 Resp: 1296

Ion Ratio Lower Upper

128 100

127 29.1 10.3 15.5#

129 13.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

