

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010920\
 Data File : VX014517.D
 Acq On : 09 Jan 2020 23:12
 Operator : JC/SP
 Sample : PB125964ZHE#10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB125964ZHE#10

Quant Time: Jan 10 06:53:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

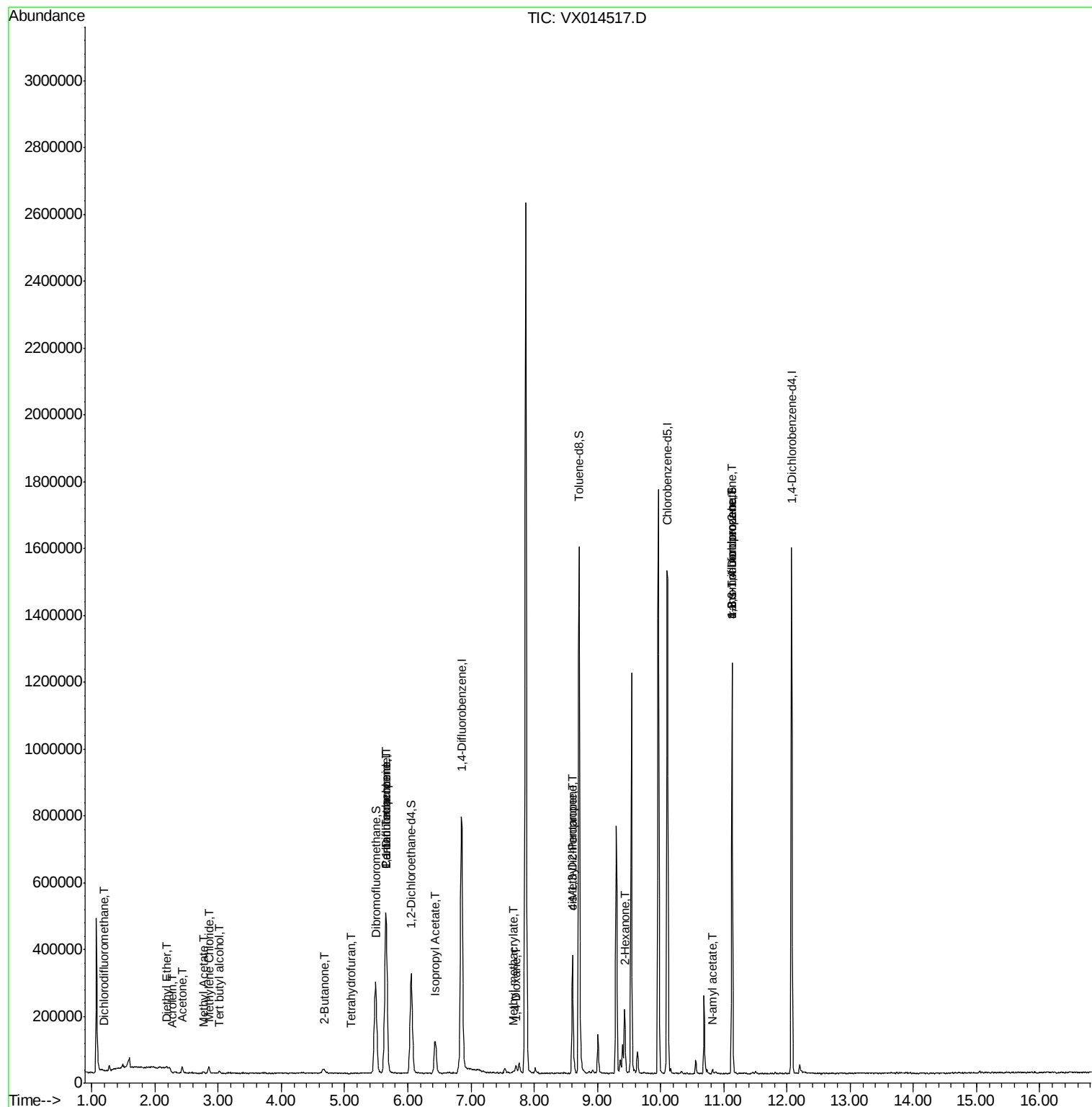
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	500909	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	779865	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	714889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	333335	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	277158	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
35) Dibromofluoromethane	5.49	113	231997	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
50) Toluene-d8	8.71	98	932627	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
62) 4-Bromofluorobenzene	11.13	95	323557	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	596	0.348	ug/l	86
6) Chloroethane	1.71	64	952	Below Cal	#	43
8) Diethyl Ether	2.18	74	952	0.259	ug/l	82
11) Tert butyl alcohol	3.01	59	3888	3.330	ug/l #	93
13) Acrolein	2.28	56	242	0.259	ug/l #	15
16) Acetone	2.43	43	21012	3.372	ug/l	98
18) Methyl Acetate	2.76	43	6434	0.801	ug/l	97
20) Methylene Chloride	2.85	84	10372	1.844	ug/l	93
25) 2-Butanone	4.67	43	9329	2.233	ug/l	92
29) Tetrahydrofuran	5.10	42	764	0.309	ug/l #	50
36) 1,1-Dichloropropene	5.65	75	33933	4.627	ug/l #	51
38) Carbon Tetrachloride	5.65	117	43108	6.387	ug/l #	20
43) Isopropyl Acetate	6.43	43	137597	10.692	ug/l	99
48) Methyl methacrylate	7.67	41	7271	1.180	ug/l #	19
49) 1,4-Dioxane	7.72	88	263	2.014	ug/l #	23
51) 4-Methyl-2-Pentanone	8.61	43	129798	16.552	ug/l #	49
54) cis-1,3-Dichloropropene	8.61	75	60211	6.793	ug/l #	59
59) 2-Hexanone	9.43	43	132569	21.366	ug/l #	23
74) N-amyl acetate	10.82	43	6698	0.649	ug/l #	57
76) 1,2,3-Trichloropropane	11.13	75	157468	22.832	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	157468	60.364	ug/l #	12
88) 1,4-Dichlorobenzene	12.09	146	348	Below Cal	#	25
93) 1,2,4-Trichlorobenzene	13.64	180	352	Below Cal	#	20
96) 1,2,3-Trichlorobenzene	13.96	180	448	Below Cal		72

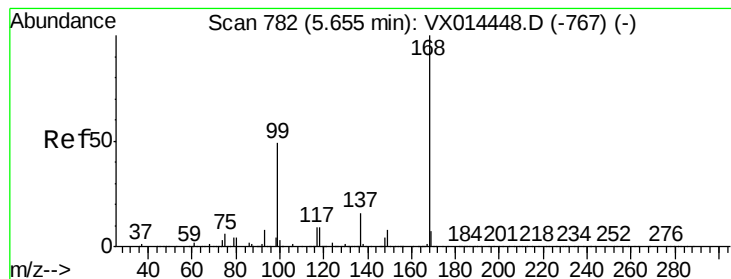
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 10 06:53:46 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 07 15:54:41 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: VX014517.D

Acq: 09 Jan 2020 23:12

Instrument :

MSVOA_X

ClientSampleId :

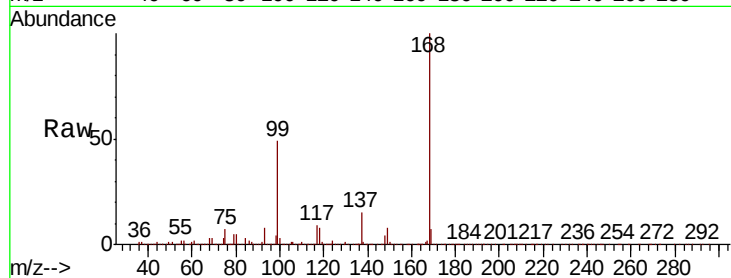
PB125964ZHE#10

Tot Ion:168 Resp: 500909

Ion Ratio Lower Upper

168 100

99 48.8 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

150000

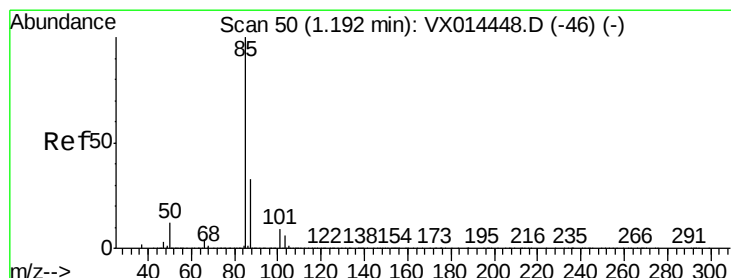
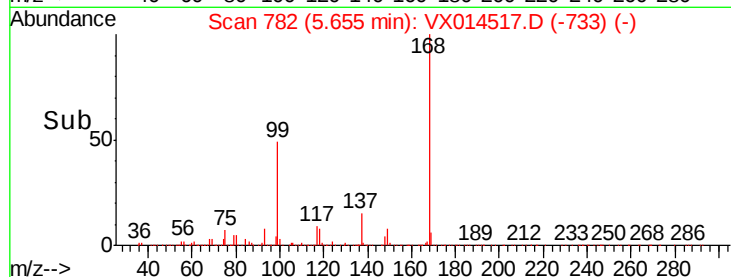
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.348 ug/l

RT: 1.20 min Scan# 51

Delta R.T. 0.01 min

Lab File: VX014517.D

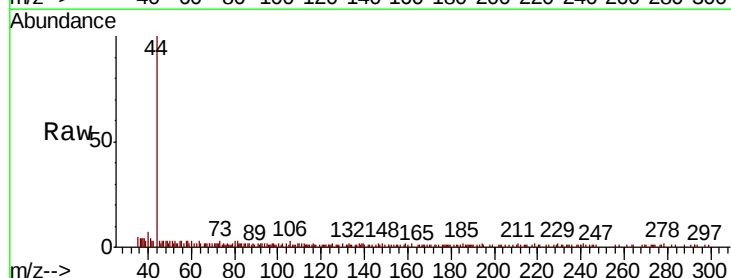
Acq: 09 Jan 2020 23:12

Tgt Ion: 85 Resp: 596

Ion Ratio Lower Upper

85 100

87 40.7 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

300

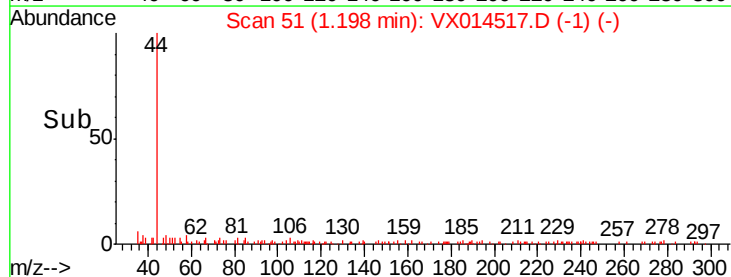
200

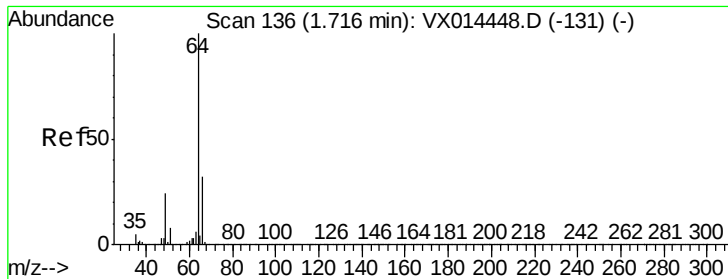
100

0

Time-->

1.14 1.16 1.18 1.20 1.22





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 135

Delta R.T. -0.01 min

Lab File: VX014517.D

Acq: 09 Jan 2020 23:12

Instrument :

MSVOA_X

ClientSampleId :

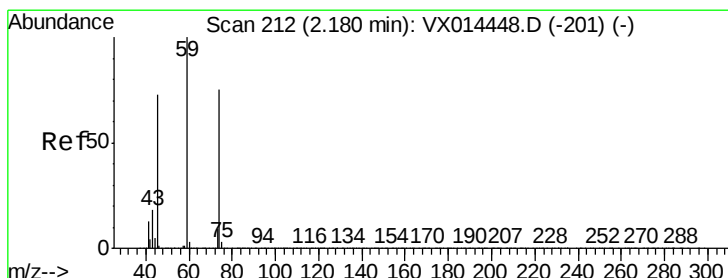
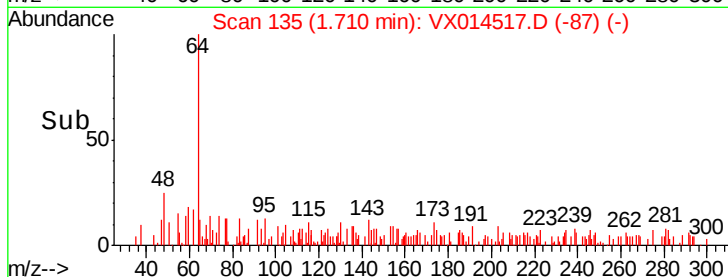
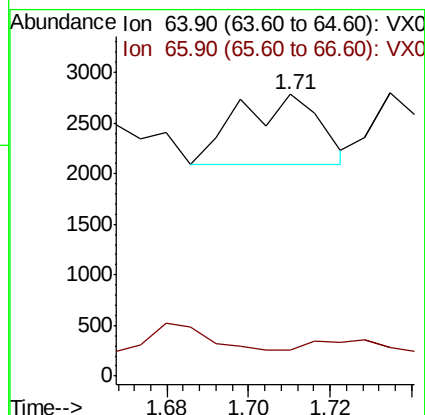
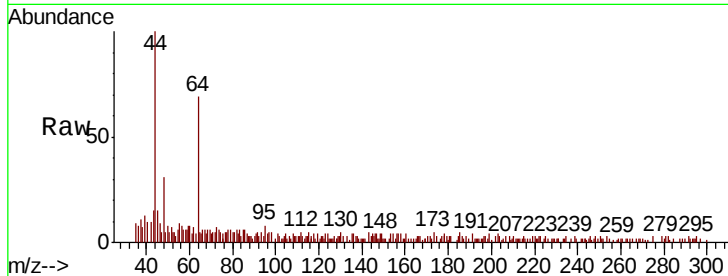
PB125964ZHE#10

Tot Ion: 64 Resp: 952

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



#8

Diethyl Ether

Concen: 0.259 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX014517.D

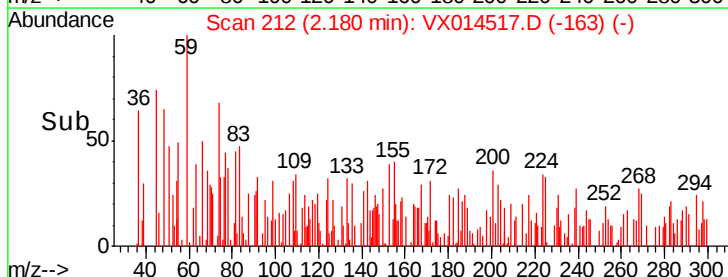
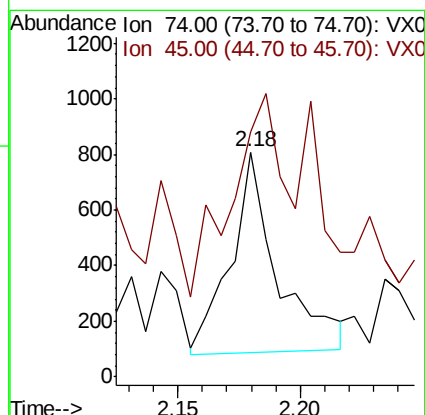
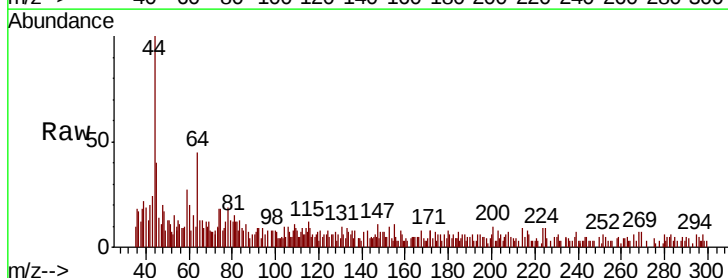
Acq: 09 Jan 2020 23:12

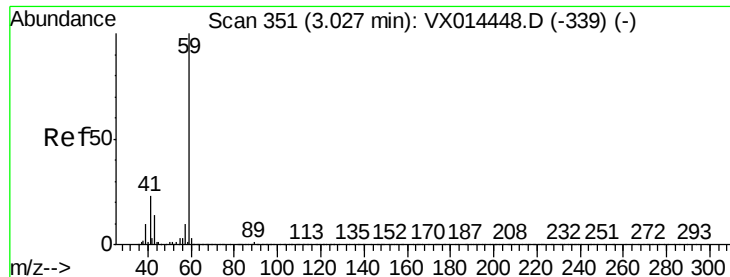
Tgt Ion: 74 Resp: 952

Ion Ratio Lower Upper

74 100

45 115.1 48.7 146.1



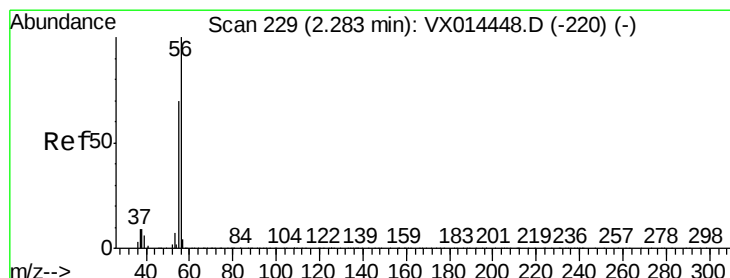
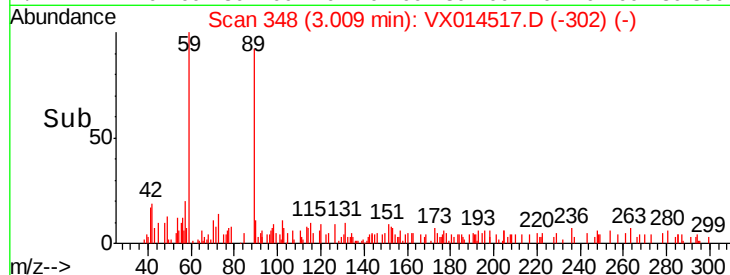
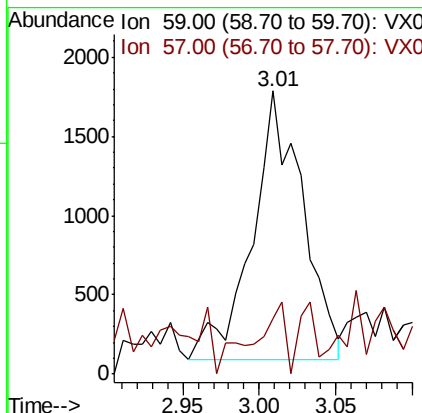
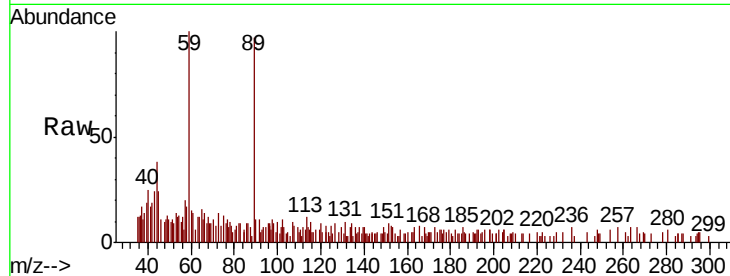


#11

Tert butyl alcohol
Concen: 3.330 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX014517.D
Acq: 09 Jan 2020 23:12

Instrument :
MSVOA_X
ClientSampleId :
PB125964ZHE#10

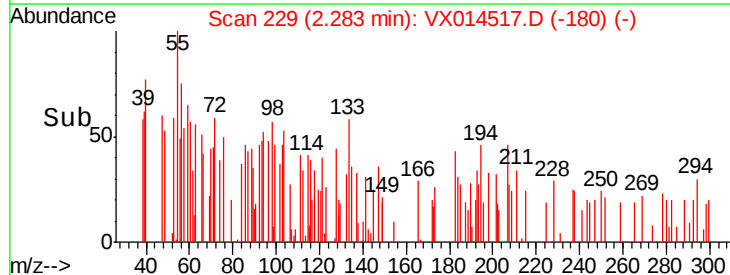
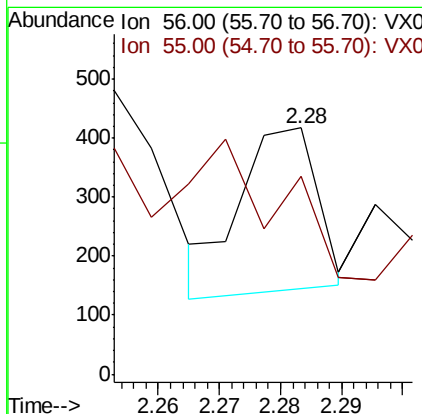
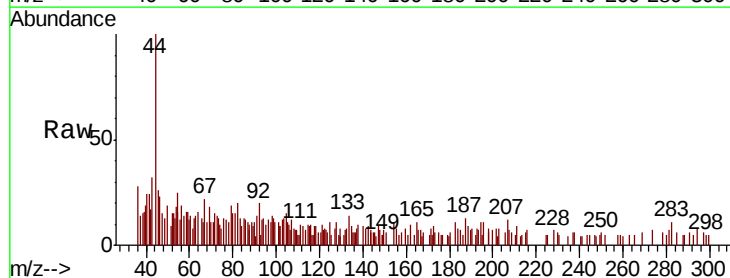
Tot Ion: 59 Resp: 3888
Ion Ratio Lower Upper
59 100
57 13.3 8.5 12.7#

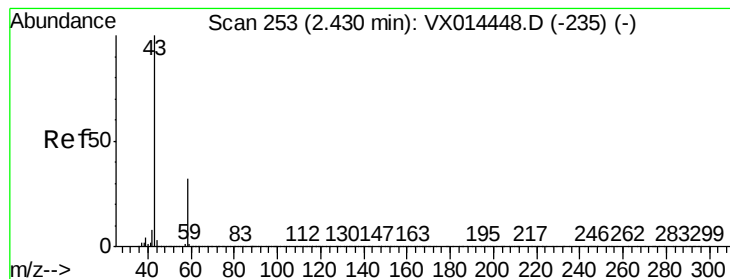


#13

Acrolein
Concen: 0.259 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX014517.D
Acq: 09 Jan 2020 23:12

Tgt Ion: 56 Resp: 242
Ion Ratio Lower Upper
56 100
55 0.0 55.0 82.6#





#16

Acetone

Concen: 3.372 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014517.D

Acq: 09 Jan 2020 23:12

Instrument :

MSVOA_X

ClientSampleId :

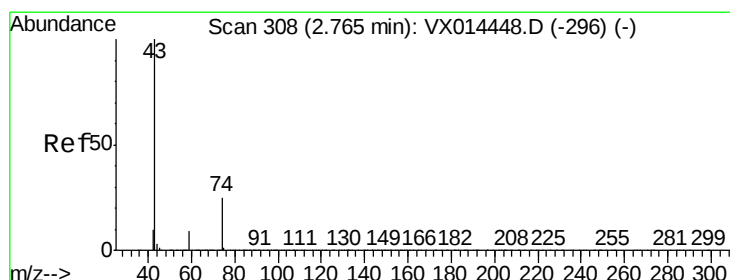
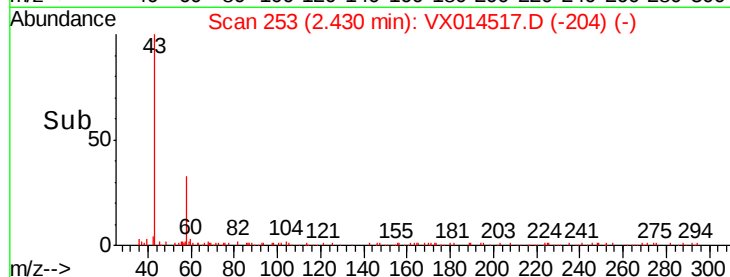
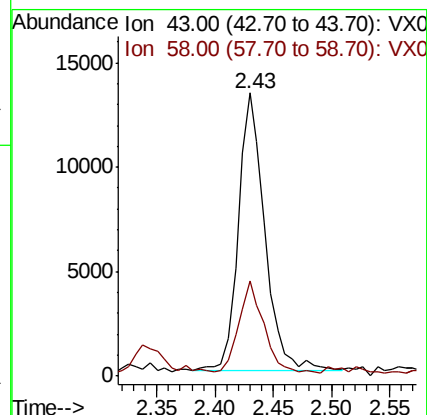
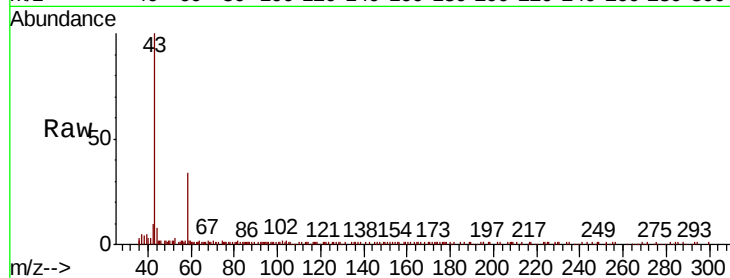
PB125964ZHE#10

Tot Ion: 43 Resp: 21012

Ion Ratio Lower Upper

43 100

58 32.6 25.4 38.0



#18

Methyl Acetate

Concen: 0.801 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX014517.D

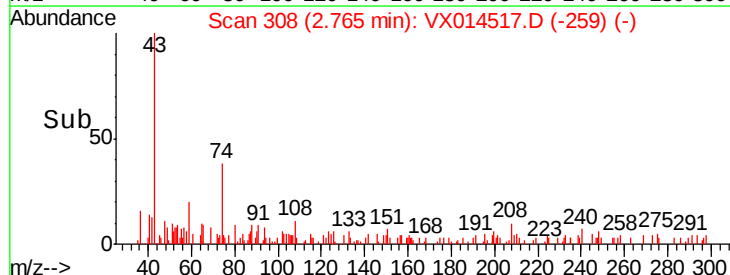
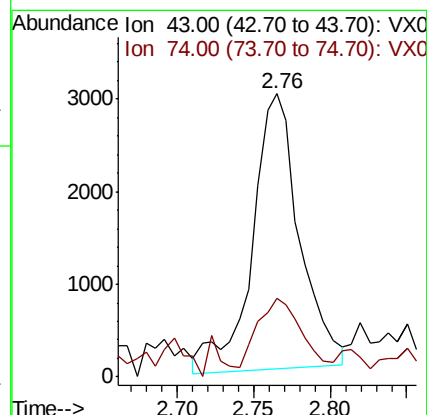
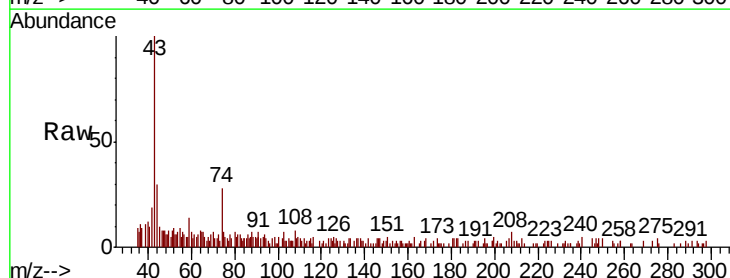
Acq: 09 Jan 2020 23:12

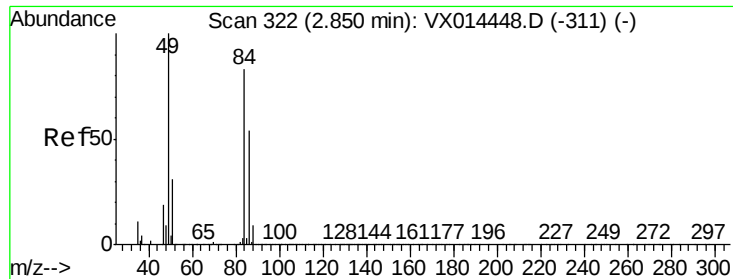
Tgt Ion: 43 Resp: 6434

Ion Ratio Lower Upper

43 100

74 22.6 19.4 29.2

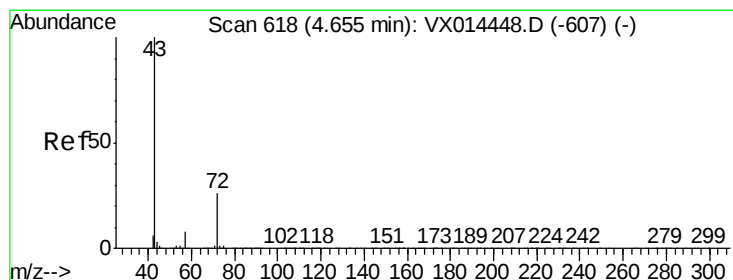
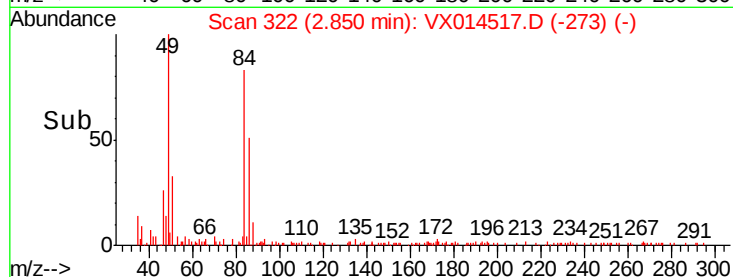
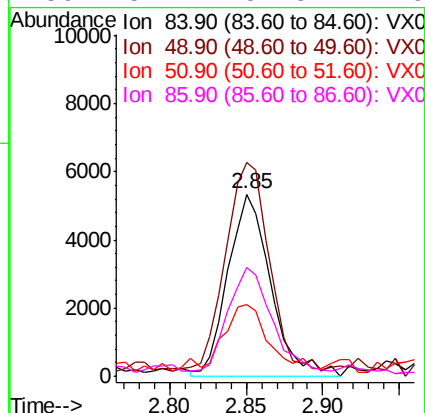
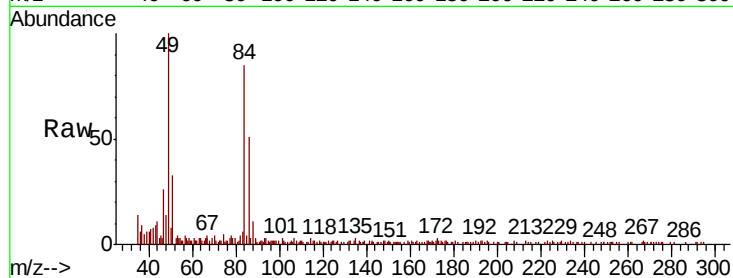




#20
Methvlene Chloride
Concen: 1.844 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014517.D
Acq: 09 Jan 2020 23:12

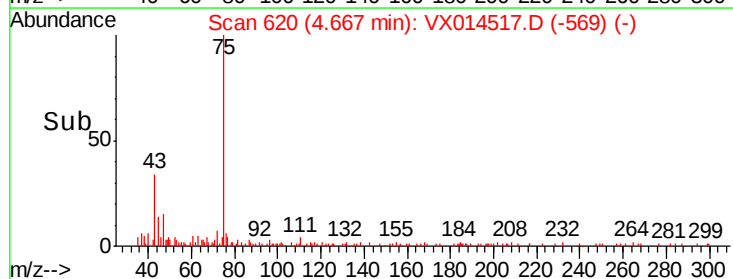
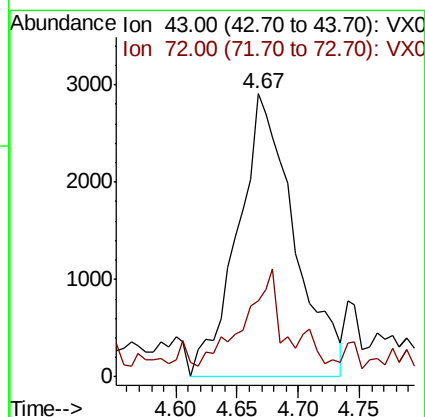
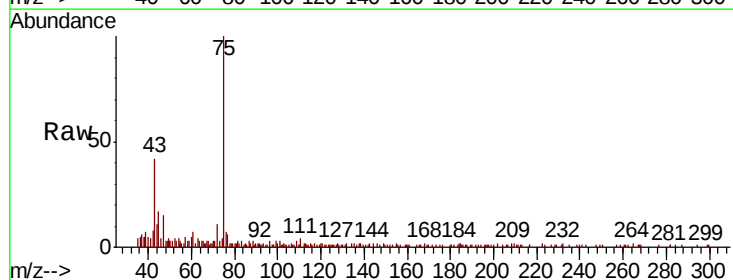
Instrument :
MSVOA_X
ClientSampleId :
PB125964ZHE#10

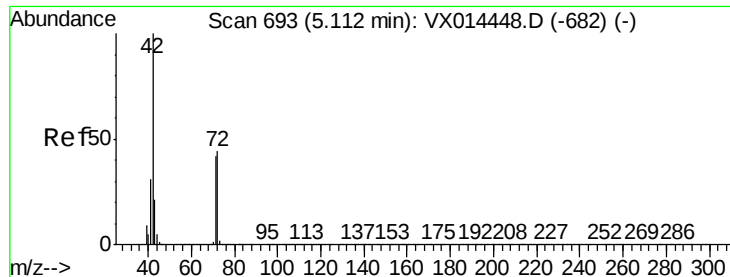
Tot Ion:	84	Resp:	10372
Ion	Ratio	Lower	Upper
84	100		
49	115.3	95.8	143.8
51	30.3	30.2	45.4
86	57.2	51.8	77.6



#25
2-Butanone
Concen: 2.233 ug/l
RT: 4.67 min Scan# 620
Delta R.T. 0.01 min
Lab File: VX014517.D
Acq: 09 Jan 2020 23:12

Tgt Ion:	43	Resp:	9329
Ion	Ratio	Lower	Upper
43	100		
72	21.9	20.6	31.0





#29

Tetrahydrofuran

Concen: 0.309 ug/l

RT: 5.10 min Scan# 691

Delta R.T. -0.01 min

Lab File: VX014517.D

Acq: 09 Jan 2020 23:12

Instrument :

MSVOA_X

ClientSampleId :

PB125964ZHE#10

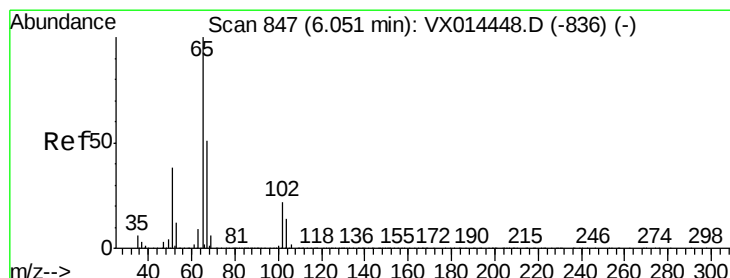
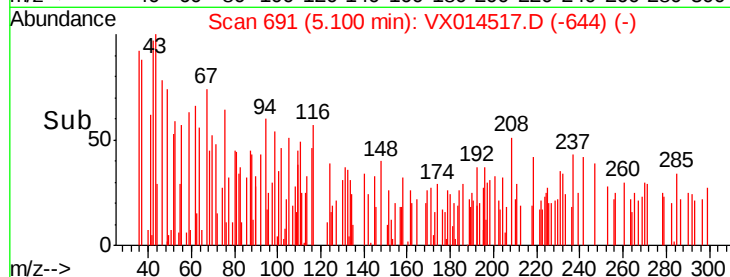
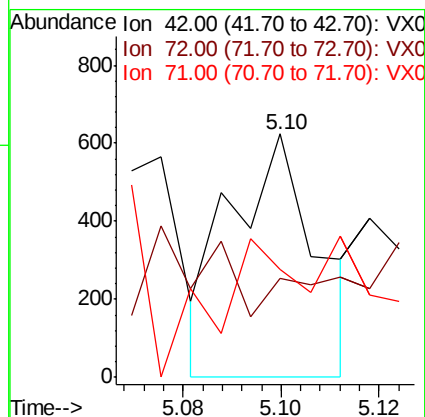
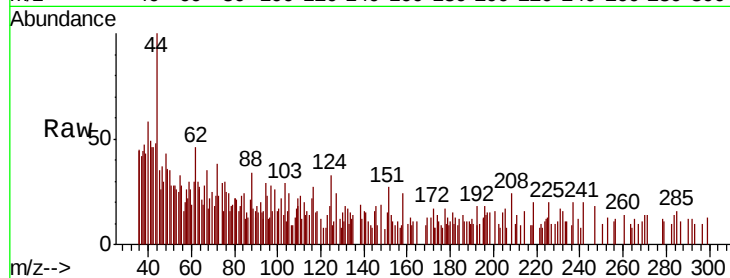
Tot Ion: 42 Resp: 764

Ion Ratio Lower Upper

42 100

72 0.0 36.2 54.4#

71 24.2 34.1 51.1#



#33

1,2-Dichloroethane-d4

Concen: 49.565 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014517.D

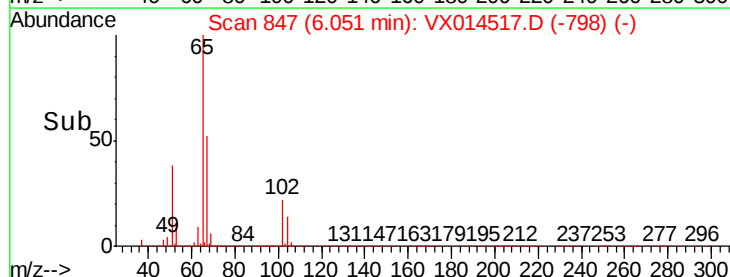
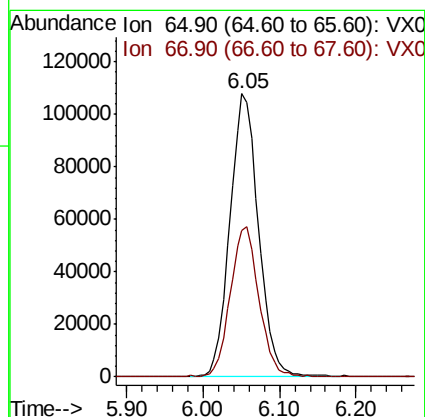
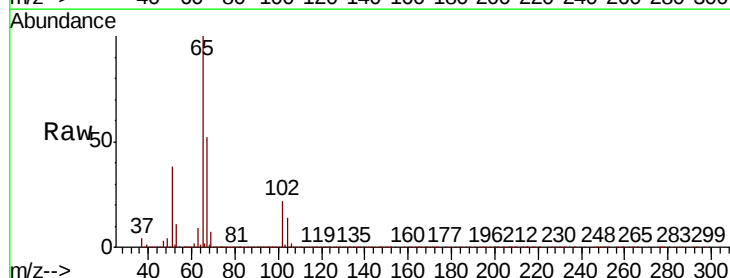
Acq: 09 Jan 2020 23:12

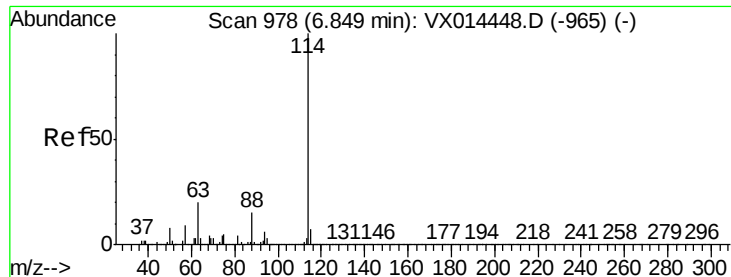
Tgt Ion: 65 Resp: 277158

Ion Ratio Lower Upper

65 100

67 53.4 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014517.D

Acq: 09 Jan 2020 23:12

Instrument :

MSVOA_X

ClientSampleId :

PB125964ZHE#10

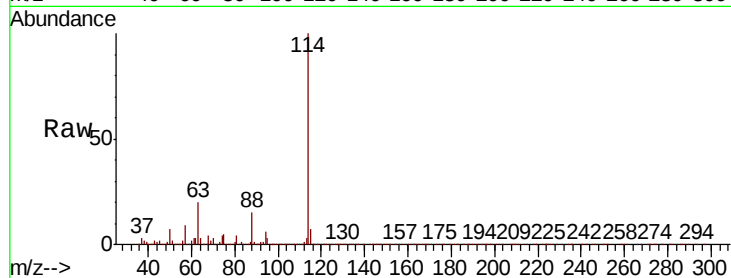
Tot Ion:114 Resp: 779865

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

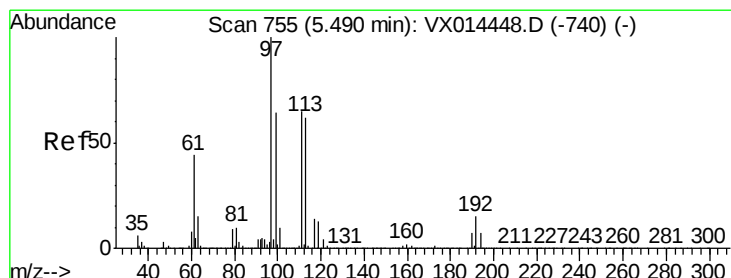
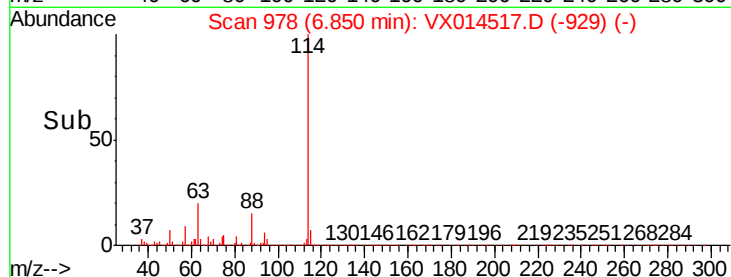
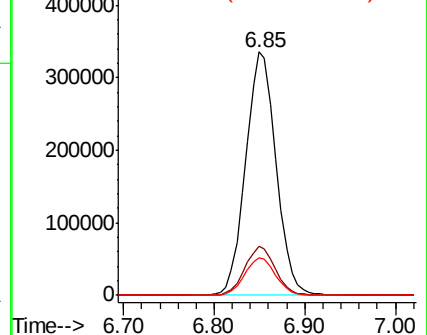
88 15.3 0.0 30.8



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: 49.143 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014517.D

Acq: 09 Jan 2020 23:12

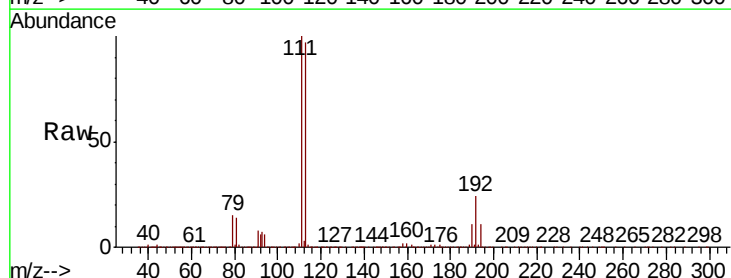
Tgt Ion:113 Resp: 231997

Ion Ratio Lower Upper

113 100

111 102.5 81.5 122.3

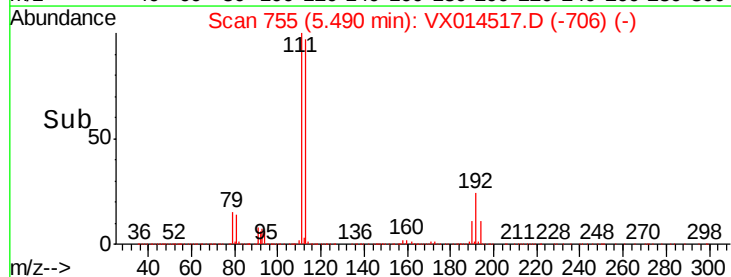
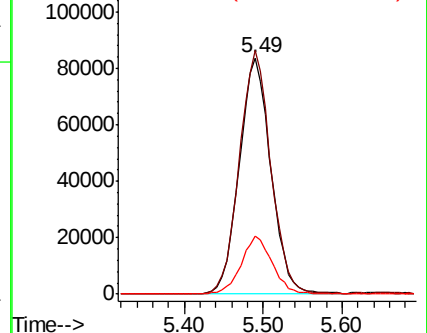
192 23.9 19.2 28.8

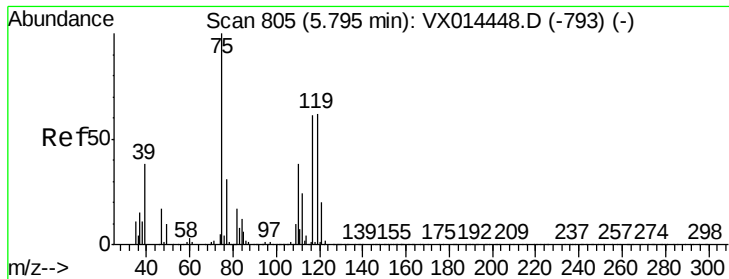


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

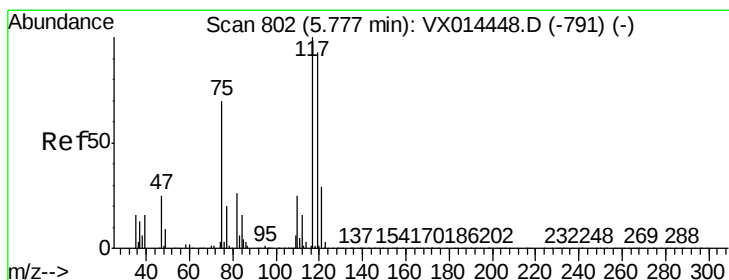
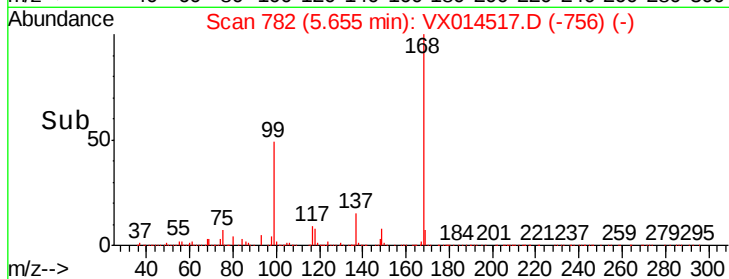
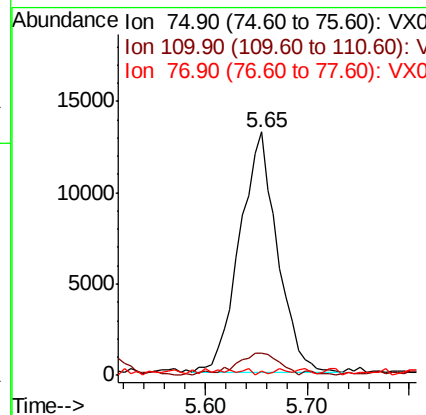
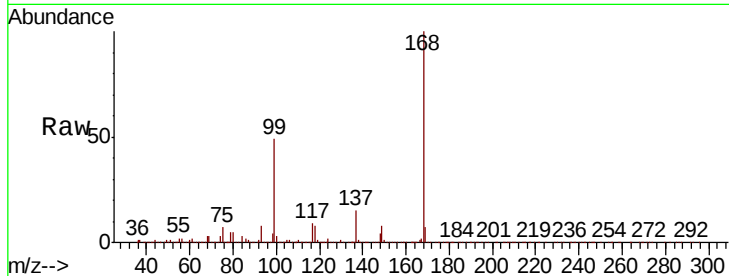




#36
 1,1-Dichloropropene
 Concen: 4.627 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX014517.D
 Acq: 09 Jan 2020 23:12

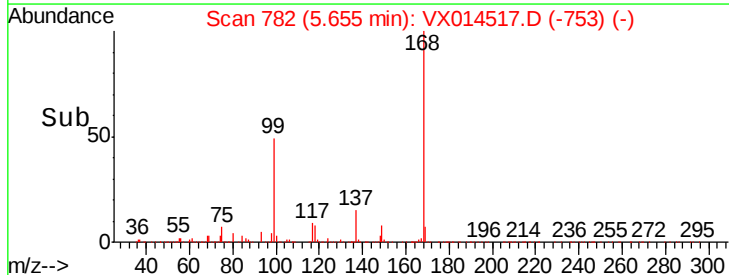
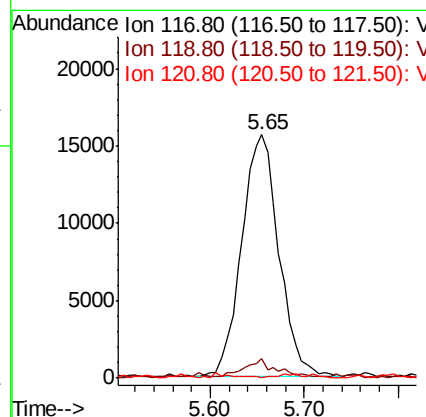
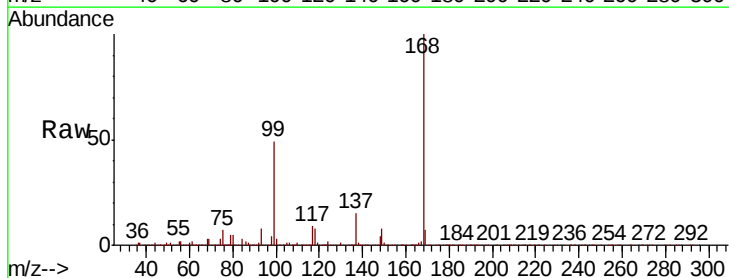
Instrument :
 MSVOA_X
 ClientSampleId :
 PB125964ZHE#10

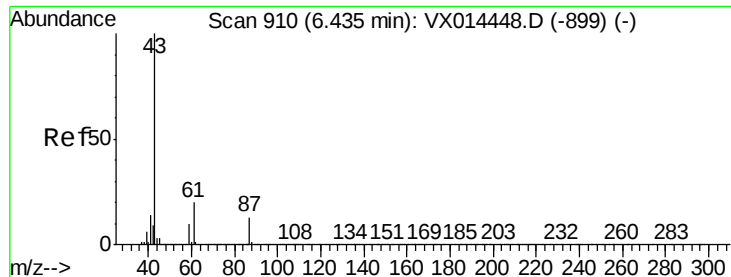
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.8	18.6	55.8#
77	0.5	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.387 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX014517.D
 Acq: 09 Jan 2020 23:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.8	73.8	110.8#
121	0.6	23.4	35.0#



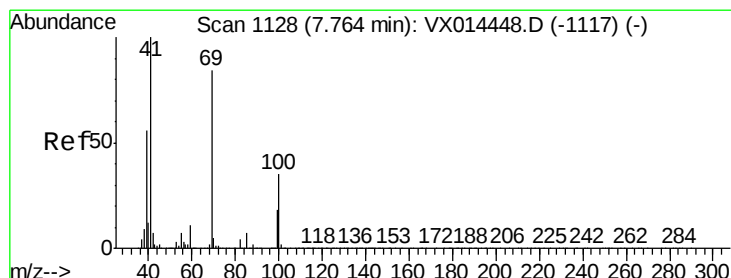
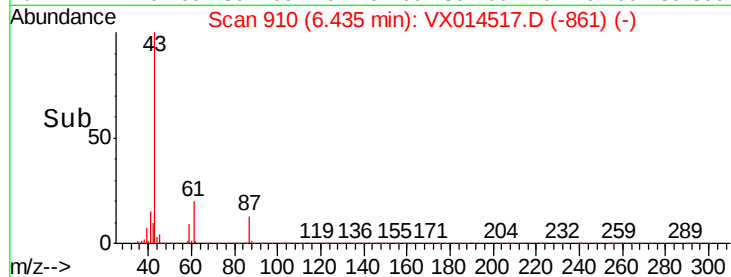
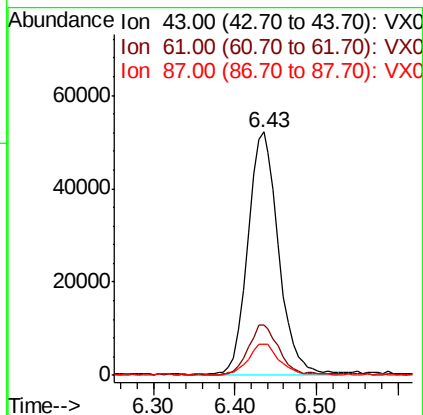
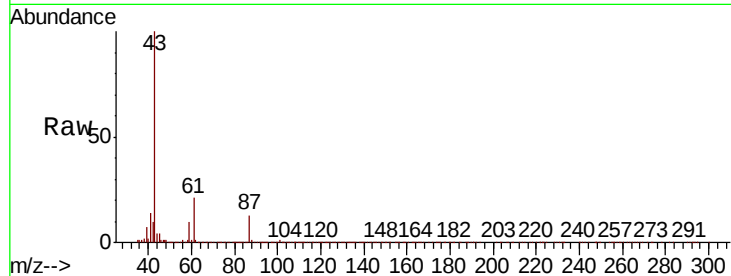


#43

Isopropyl Acetate
 Concen: 10.692 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX014517.D
 Acq: 09 Jan 2020 23:12

Instrument :
 MSVOA_X
 ClientSampleId :
 PB125964ZHE#10

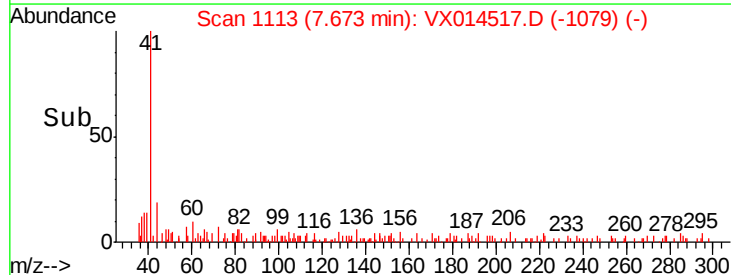
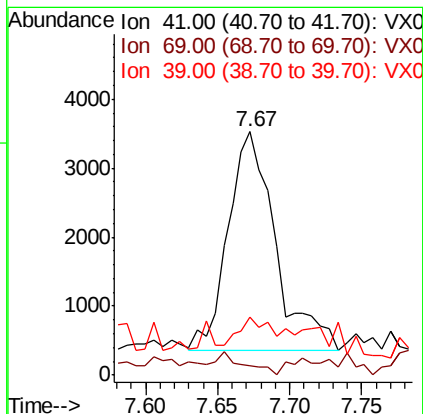
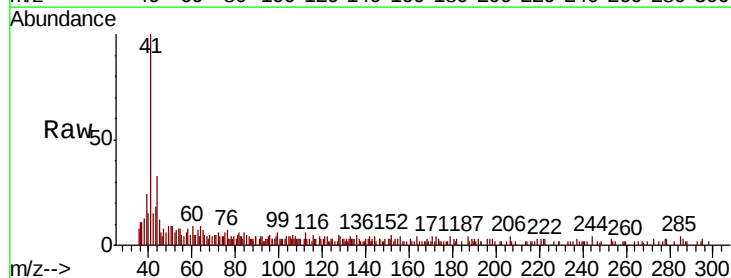
Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.6	24.8
87	12.6	10.8	16.2

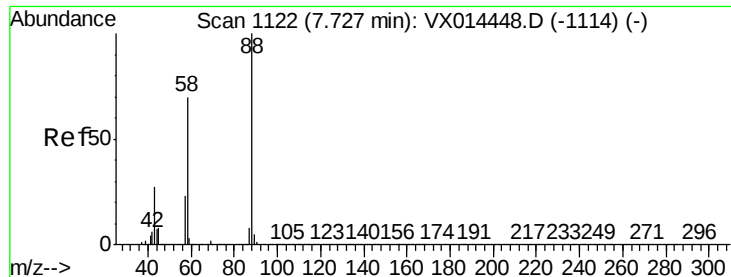


#48

Methyl methacrylate
 Concen: 1.180 ug/l
 RT: 7.67 min Scan# 1113
 Delta R.T. -0.09 min
 Lab File: VX014517.D
 Acq: 09 Jan 2020 23:12

Tgt Ion	Ratio	Lower	Upper
41	100		
69	6.2	65.5	98.3#
39	0.0	43.9	65.9#

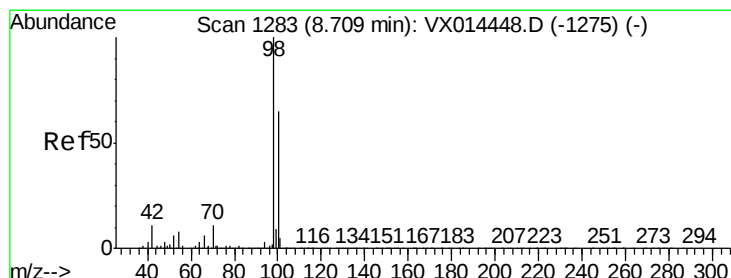
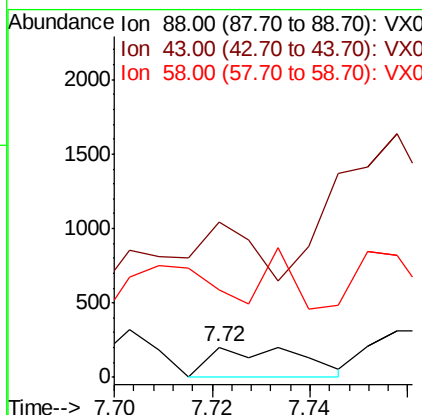
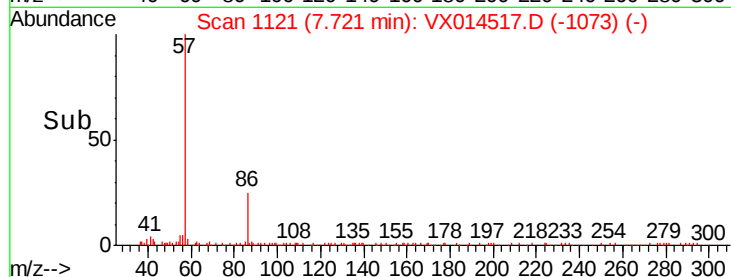
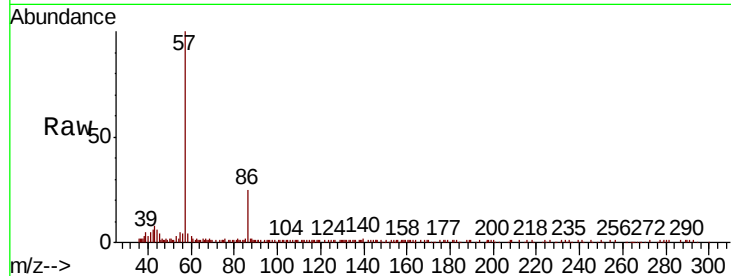




#49
1,4-Dioxane
Concen: 2.014 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VX014517.D
Acq: 09 Jan 2020 23:12

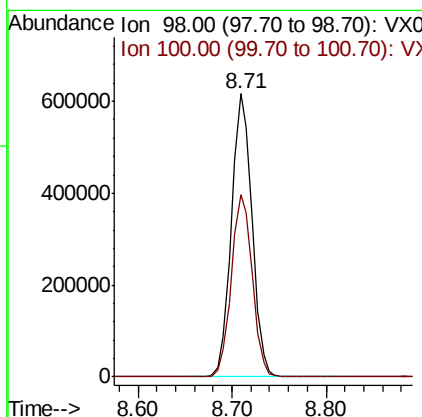
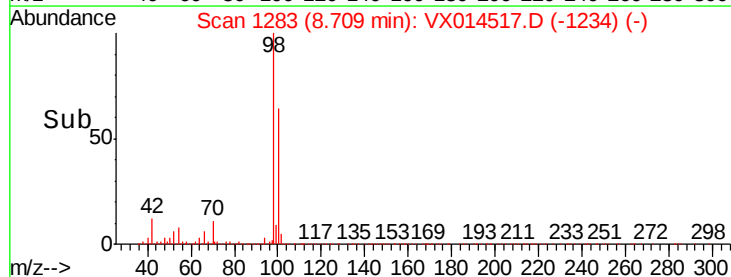
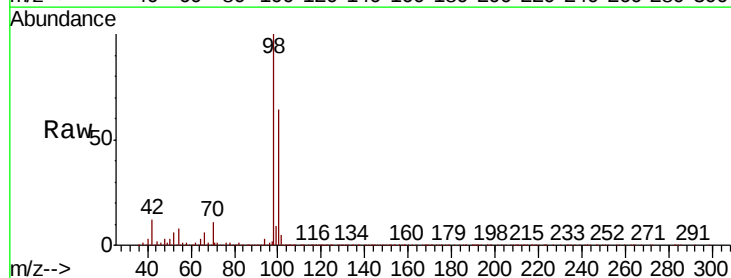
Instrument :
MSVOA_X
ClientSampleId :
PB125964ZHE#10

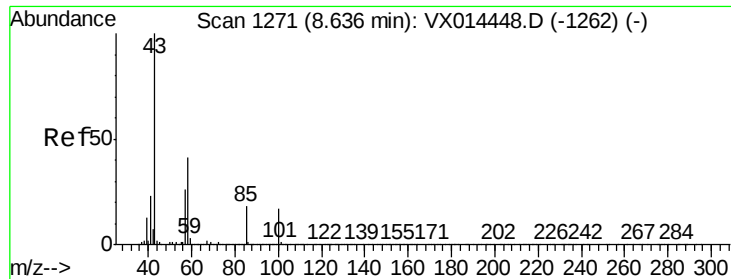
Tot Ion: 88 Resp: 263
Ion Ratio Lower Upper
88 100
43 0.0 27.4 41.0#
58 0.0 57.1 85.7#



#50
Toluene-d8
Concen: 50.907 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014517.D
Acq: 09 Jan 2020 23:12

Tgt Ion: 98 Resp: 932627
Ion Ratio Lower Upper
98 100
100 65.2 53.2 79.8

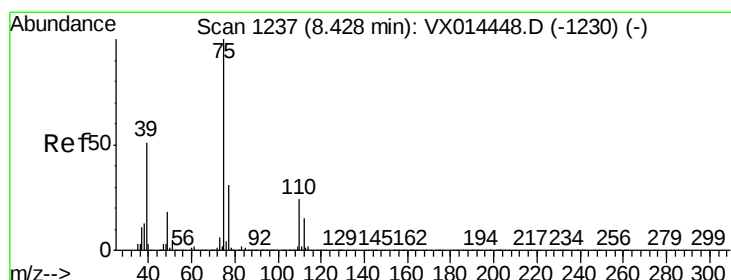
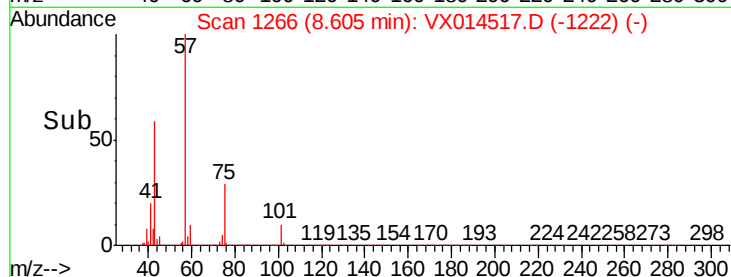
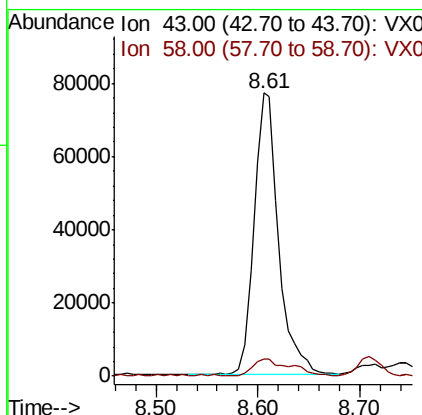
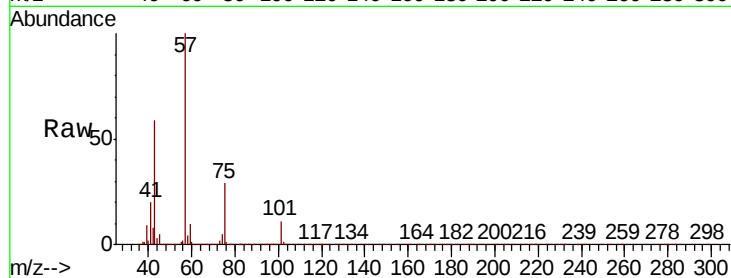




#51
 4-Methyl-2-Pentanone
 Concen: 16.552 ug/l
 RT: 8.61 min Scan# 1266
 Delta R.T. -0.03 min
 Lab File: VX014517.D
 Acq: 09 Jan 2020 23:12

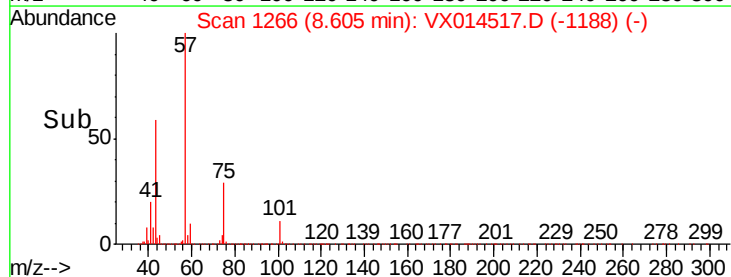
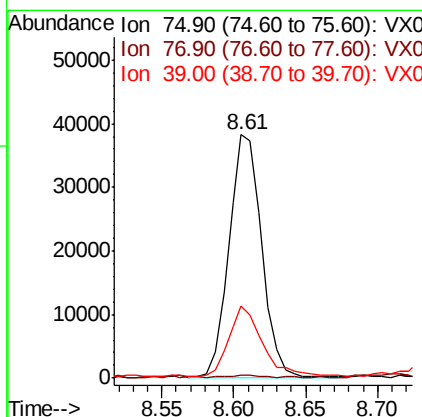
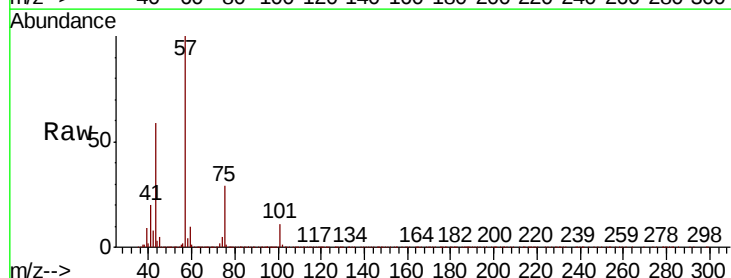
Instrument :
 MSVOA_X
 ClientSampleId :
 PB125964ZHE#10

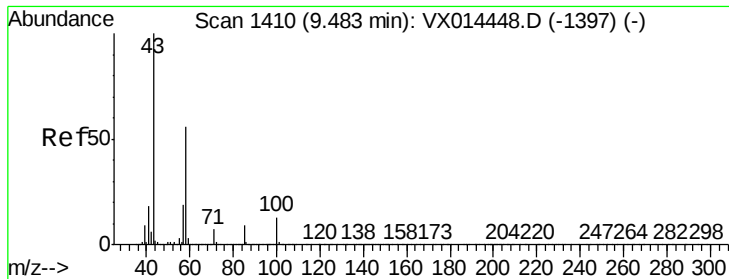
Tot Ion: 43 Resp: 129798
 Ion Ratio Lower Upper
 43 100
 58 9.0 32.4 48.6#



#54
 cis-1,3-Dichloropropene
 Concen: 6.793 ug/l
 RT: 8.61 min Scan# 1266
 Delta R.T. 0.18 min
 Lab File: VX014517.D
 Acq: 09 Jan 2020 23:12

Tgt Ion: 75 Resp: 60211
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.0 37.4#
 39 28.8 40.7 61.1#

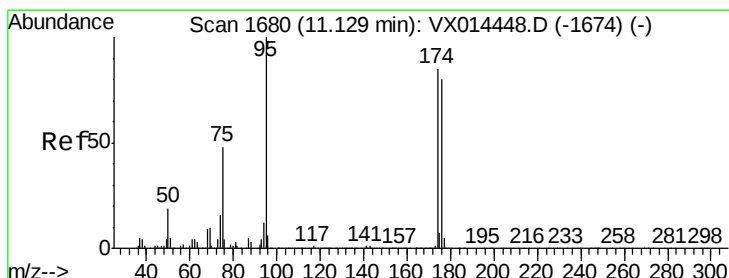
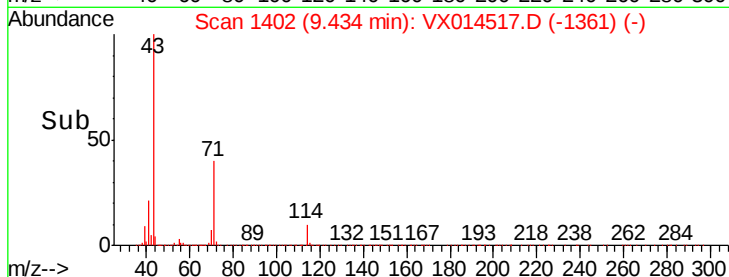
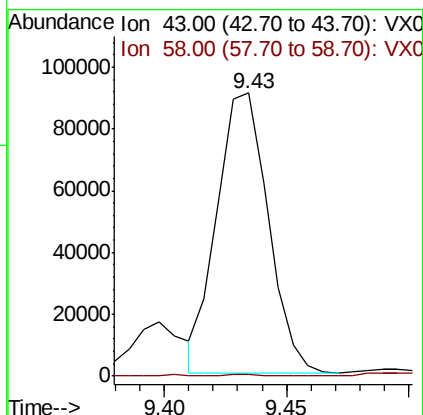
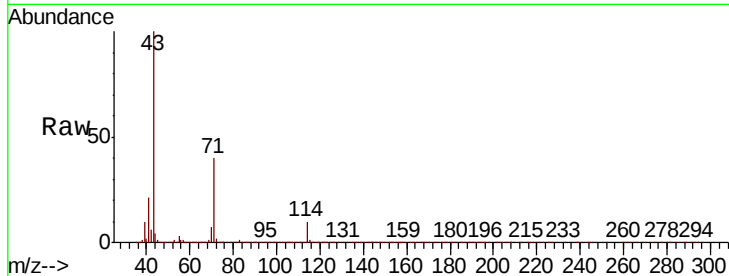




#59
2-Hexanone
Concen: 21.366 ug/l
RT: 9.43 min Scan# 1402
Delta R.T. -0.05 min
Lab File: VX014517.D
Acq: 09 Jan 2020 23:12

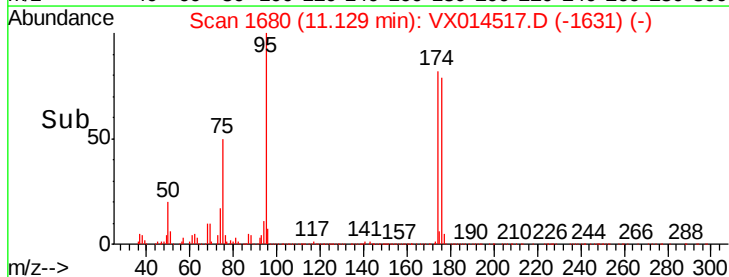
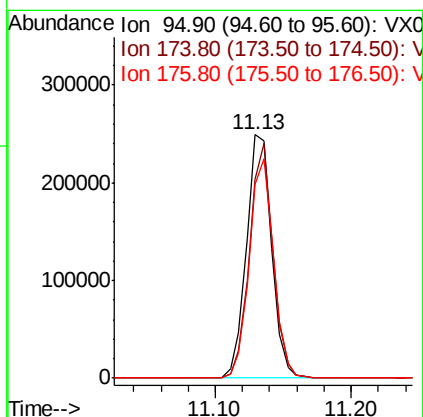
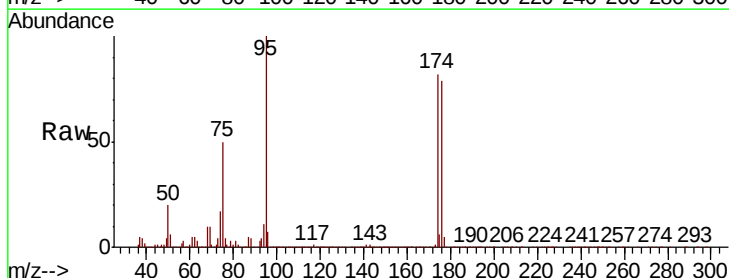
Instrument :
MSVOA_X
ClientSampleId :
PB125964ZHE#10

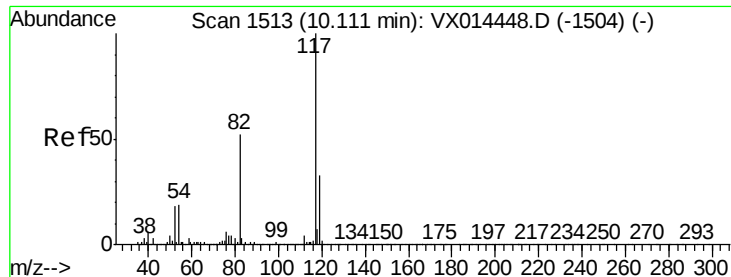
Tot Ion: 43 Resp: 132569
Ion Ratio Lower Upper
43 100
58 0.0 27.9 83.7#



#62
4-Bromofluorobenzene
Concen: 48.109 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014517.D
Acq: 09 Jan 2020 23:12

Tgt Ion: 95 Resp: 323557
Ion Ratio Lower Upper
95 100
174 90.3 0.0 180.8
176 87.3 0.0 172.8

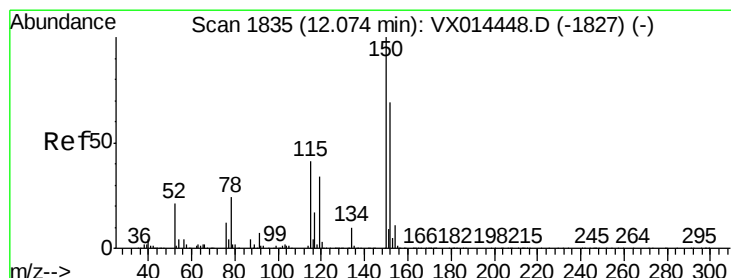
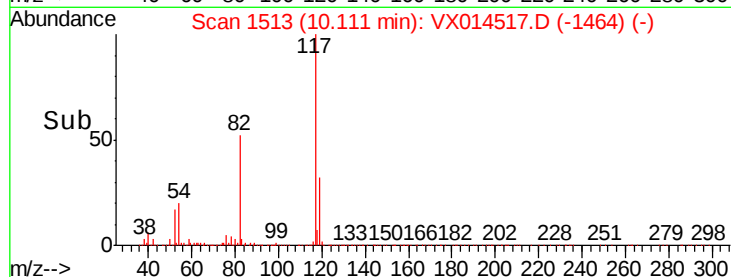
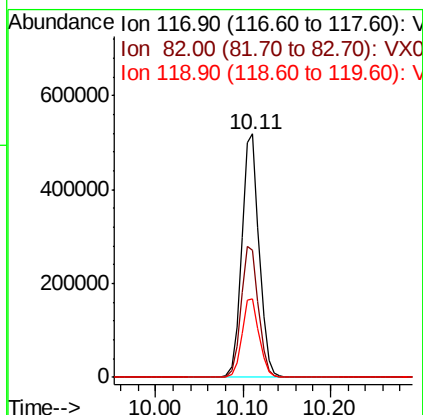
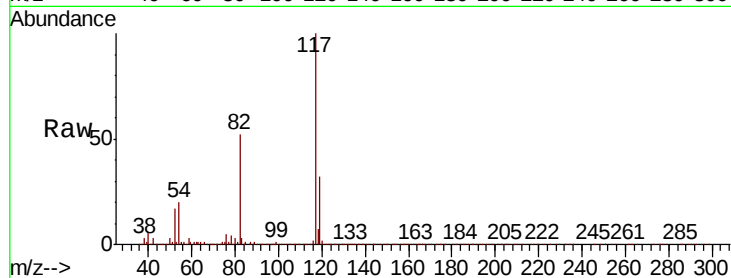




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014517.D
Acq: 09 Jan 2020 23:12

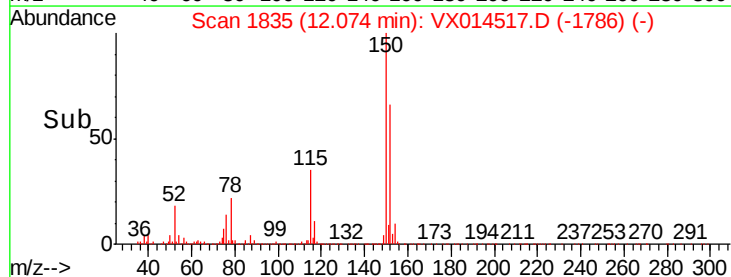
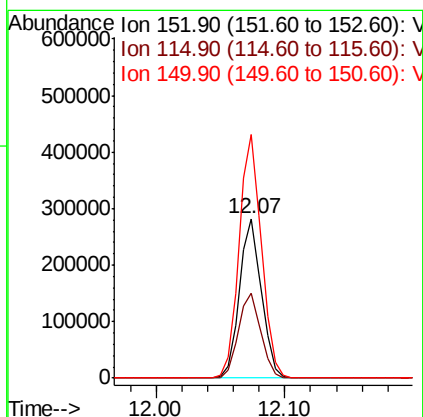
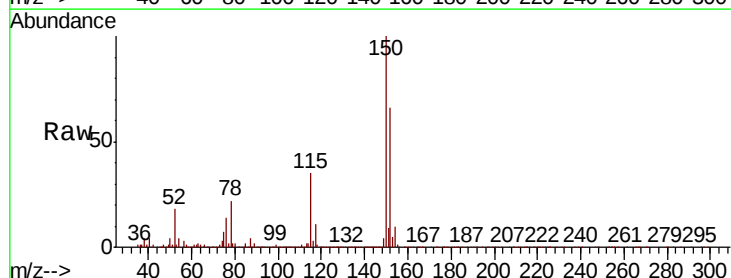
Instrument :
MSVOA_X
ClientSampleId :
PB125964ZHE#10

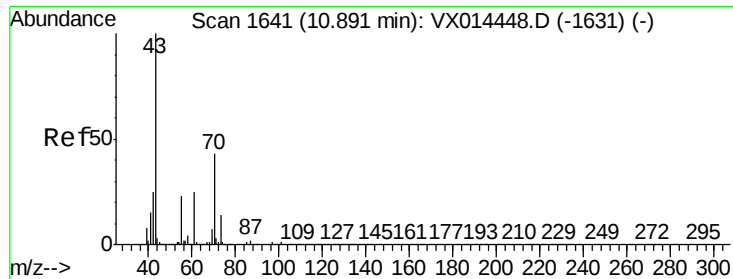
Tot Ion:117 Resp: 714889
Ion Ratio Lower Upper
117 100
82 51.9 41.8 62.6
119 32.2 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014517.D
Acq: 09 Jan 2020 23:12

Tgt Ion:152 Resp: 333335
Ion Ratio Lower Upper
152 100
115 54.4 39.5 118.3
150 154.8 0.0 350.2





#74

N-amvl acetate

Concen: 0.649 ug/l

RT: 10.82 min Scan# 1629

Delta R.T. -0.07 min

Lab File: VX014517.D

Acq: 09 Jan 2020 23:12

Instrument :

MSVOA_X

ClientSampleId :

PB125964ZHE#10

Tot Ion: 43 Resp: 6698

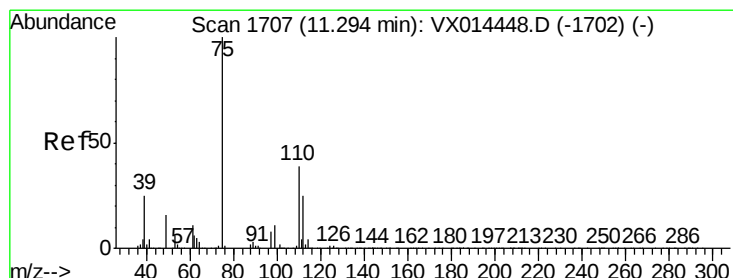
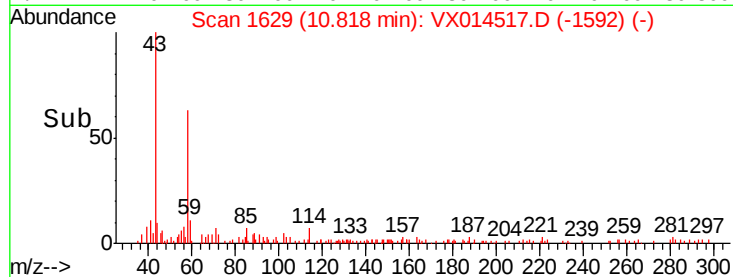
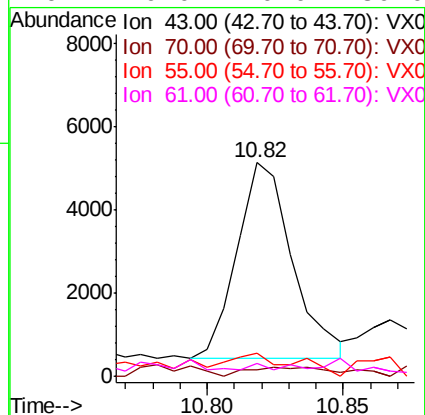
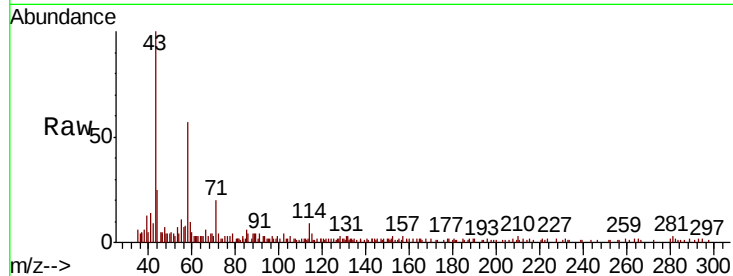
Ion Ratio Lower Upper

43 100

70 8.2 35.1 52.7#

55 17.5 19.3 28.9#

61 0.0 20.0 30.0#



#76

1,2,3-Trichloropropane

Concen: 22.832 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014517.D

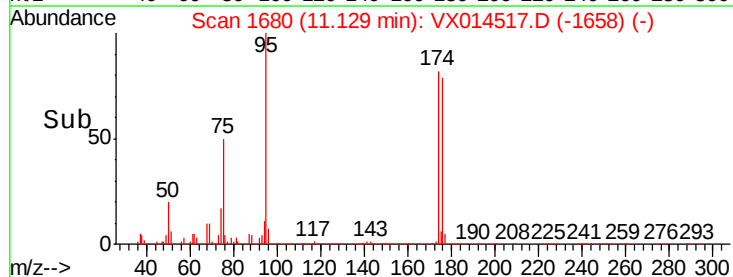
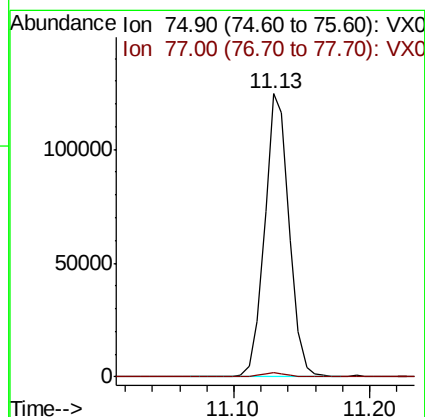
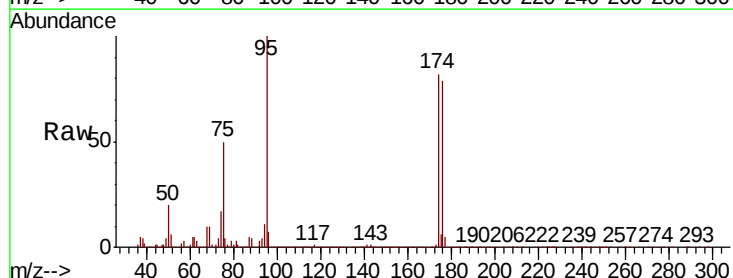
Acq: 09 Jan 2020 23:12

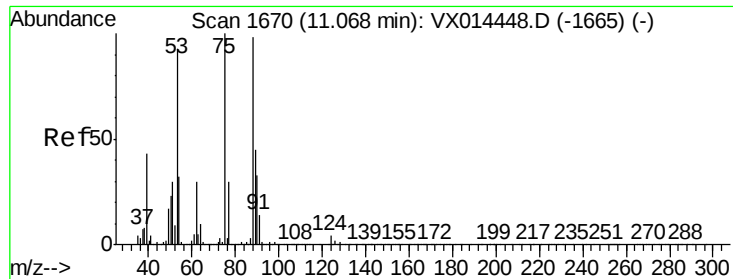
Tgt Ion: 75 Resp: 157468

Ion Ratio Lower Upper

75 100

77 1.9 21.9 65.7#

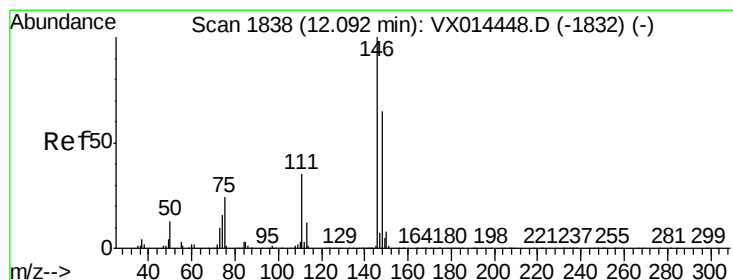
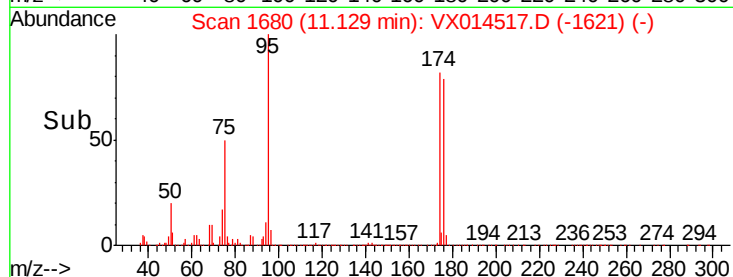
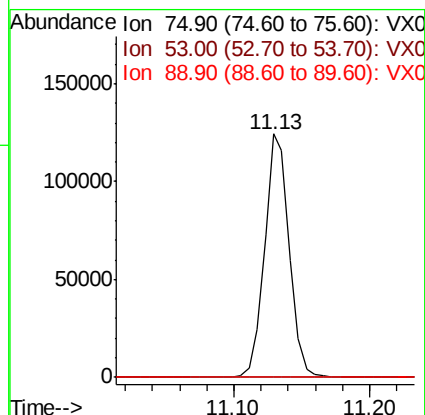
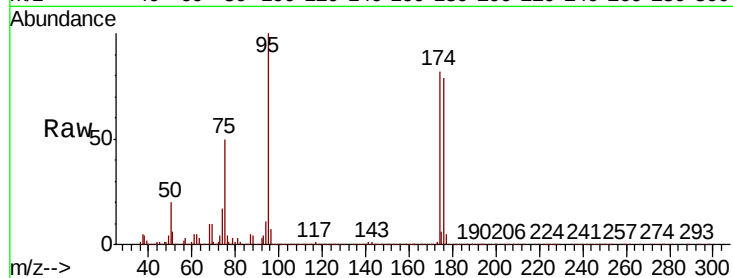




#81
trans-1,4-Dichloro-2-butene
Concen: 60.364 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX014517.D
Acq: 09 Jan 2020 23:12

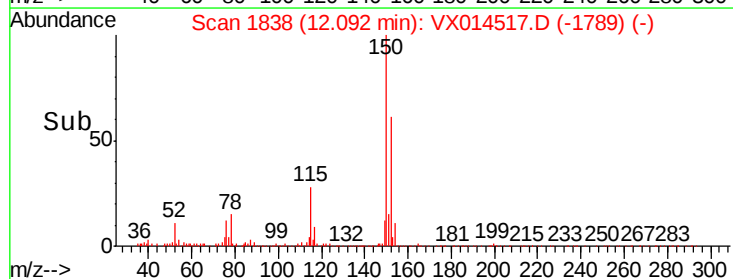
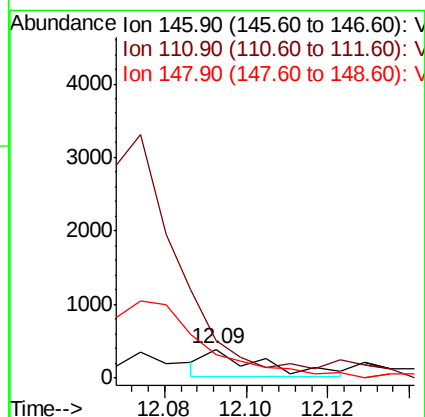
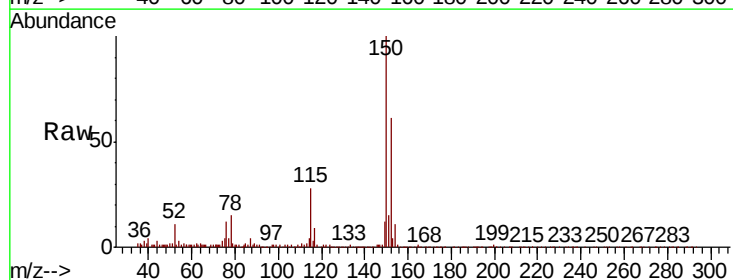
Instrument :
MSVOA_X
ClientSampleId :
PB125964ZHE#10

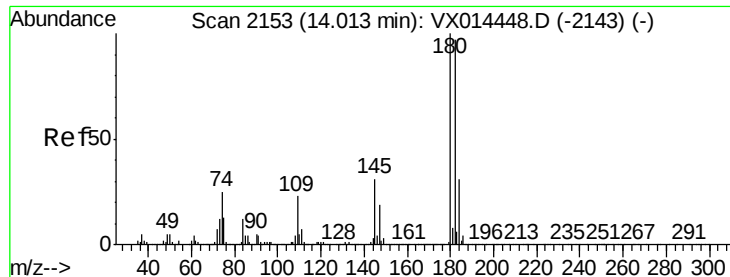
Tot Ion: 75 Resp: 157468
Ion Ratio Lower Upper
75 100
53 0.1 74.8 112.2#
89 0.0 36.3 54.5#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 12.09 min Scan# 1838
Delta R.T. 0.00 min
Lab File: VX014517.D
Acq: 09 Jan 2020 23:12

Tgt Ion:146 Resp: 348
Ion Ratio Lower Upper
146 100
111 0.0 18.1 54.1#
148 0.0 32.1 96.3#

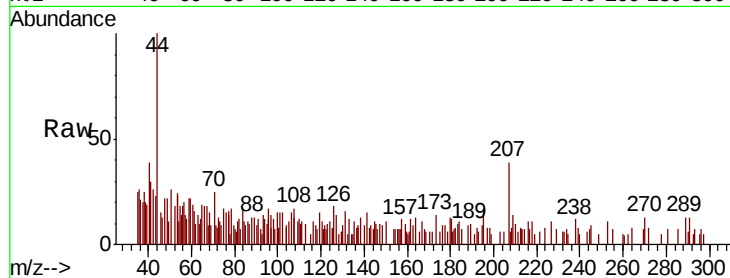




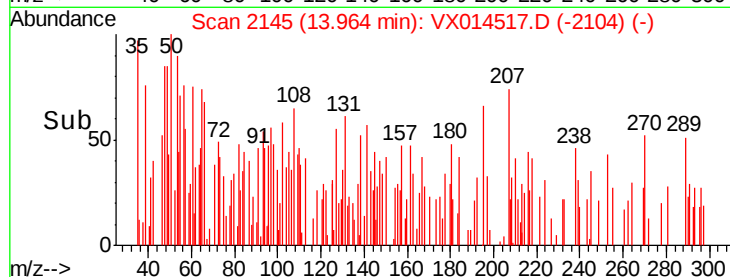
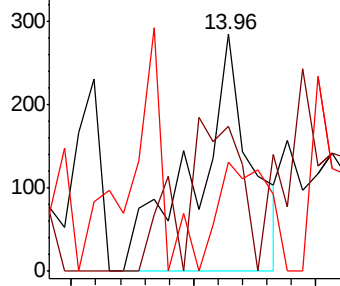
#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 13.96 min Scan# 2145
 Delta R.T. -0.05 min
 Lab File: VX014517.D
 Acq: 09 Jan 2020 23:12

Instrument :
 MSVOA_X
 ClientSampleId :
 PB125964ZHE#10

Tot Ion	Ratio	Lower	Upper
180	100		
182	67.4	47.9	143.6
145	42.0	14.8	44.3



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V



Time-->