

Data File : VX015205.D
Acq On : 11 Mar 2020 16:55
Operator : JC/SP
Sample : PB127431ZHE#14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#14

Quant Time: Mar 12 05:51:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 04 14:19:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	309916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	530632	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	526041	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	264681	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	202018	54.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.88%	
35) Dibromofluoromethane	5.49	113	167891	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
50) Toluene-d8	8.71	98	659178	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
62) 4-Bromofluorobenzene	11.13	95	243490	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	

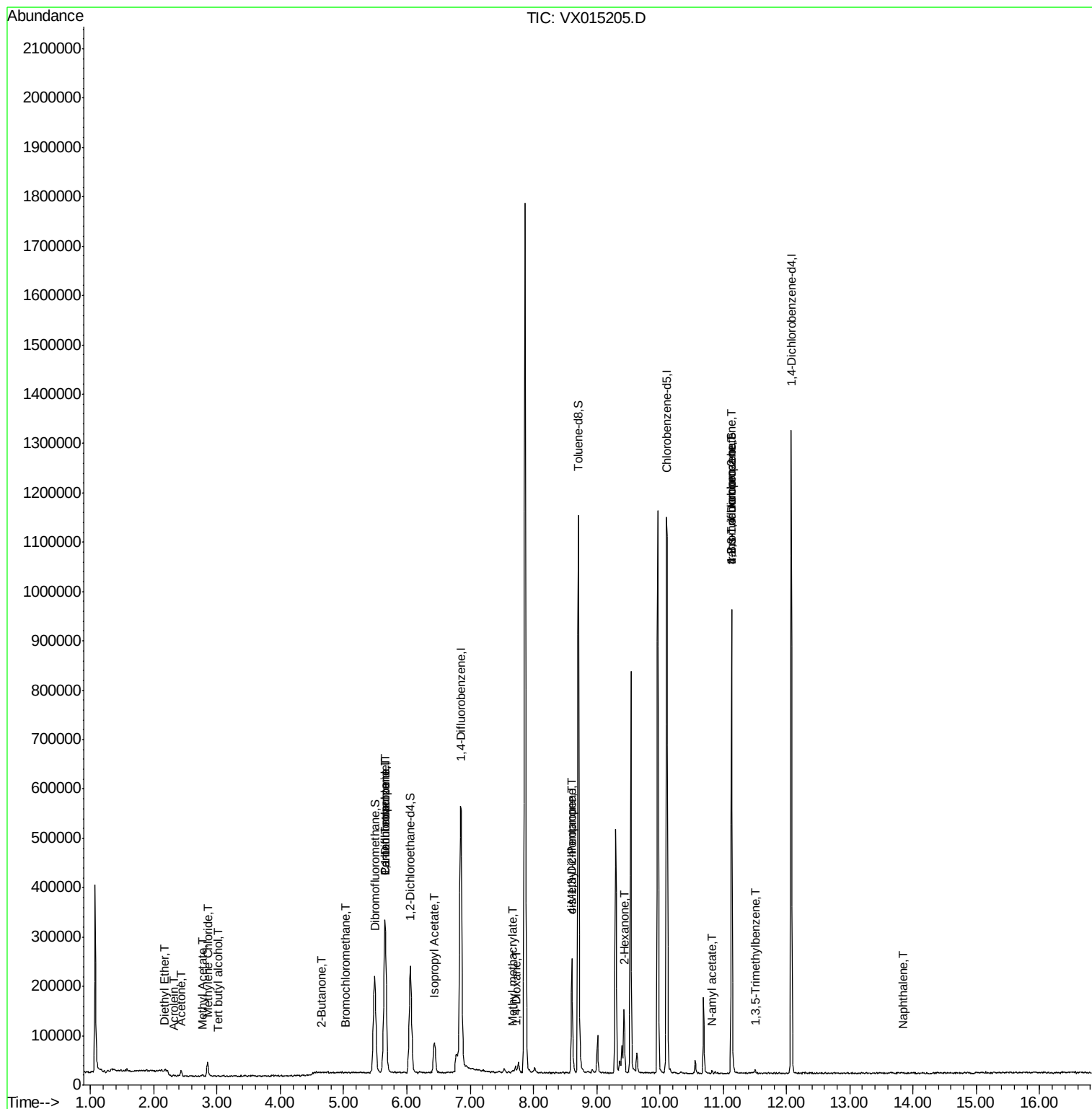
Target Compounds				Qvalue		
8) Diethyl Ether	2.18	74	942	0.448	ug/l	93
11) Tert butyl alcohol	3.02	59	498	0.781	ug/l #	64
13) Acrolein	2.32	56	182	0.304	ug/l #	1
16) Acetone	2.43	43	12168	8.172	ug/l	98
18) Methyl Acetate	2.76	43	3233	0.888	ug/l #	63
20) Methylene Chloride	2.85	84	13613	3.906	ug/l	97
25) 2-Butanone	4.65	43	1124	0.516	ug/l #	66
28) Bromochloromethane	5.03	49	593	0.224	ug/l #	99
36) 1,1-Dichloropropene	5.65	75	21674	4.418	ug/l #	53
38) Carbon Tetrachloride	5.65	117	28138	6.077	ug/l #	17
43) Isopropyl Acetate	6.44	43	82670	10.327	ug/l	99
48) Methyl methacrylate	7.67	41	4638	1.138	ug/l #	17
49) 1,4-Dioxane	7.73	88	166	1.884	ug/l #	23
51) 4-Methyl-2-Pentanone	8.61	43	81909	17.306	ug/l #	51
54) cis-1,3-Dichloropropene	8.61	75	38125	6.527	ug/l #	60
59) 2-Hexanone	9.43	43	99296	28.305	ug/l #	24
74) N-amyl acetate	10.82	43	3349	0.470	ug/l #	52
76) 1,2,3-Trichloropropane	11.13	75	120193	22.766	ug/l #	33
80) 1,3,5-Trimethylbenzene	11.50	105	3481	0.247	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.13	75	120193	64.609	ug/l #	11
95) Naphthalene	13.84	128	732	1.460	ug/l #	91

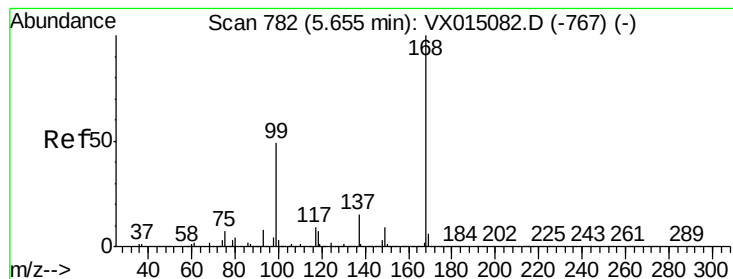
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VX015205.D
Acq On : 11 Mar 2020 16:55
Operator : JC/SP
Sample : PB127431ZHE#14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#14

Quant Time: Mar 12 05:51:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 04 14:19:10 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: VX015205.D

Acq: 11 Mar 2020 16:55

Instrument :

MSVOA_X

ClientSampleId :

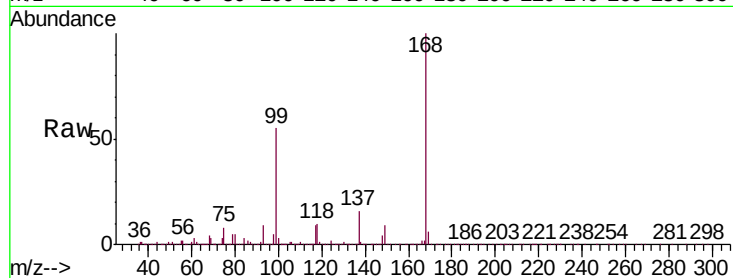
PB127431ZHE#14

Tgt Ion:168 Resp: 309916

Ion Ratio Lower Upper

168 100

99 54.8 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

120000

100000

80000

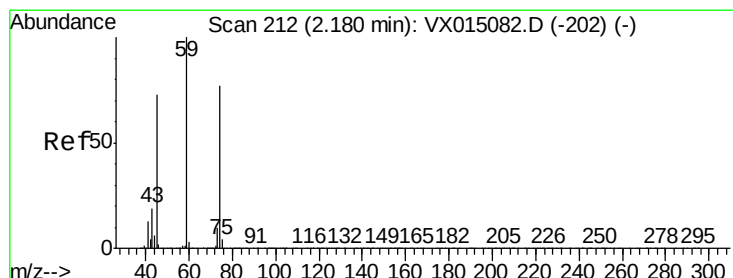
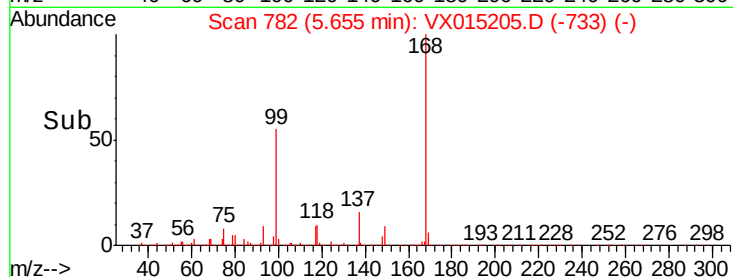
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 0.448 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX015205.D

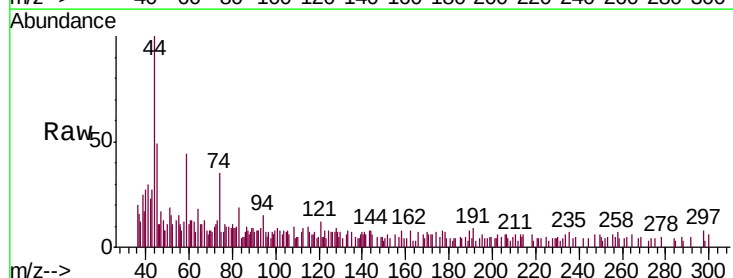
Acq: 11 Mar 2020 16:55

Tgt Ion: 74 Resp: 942

Ion Ratio Lower Upper

74 100

45 105.7 49.2 147.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

1000

800

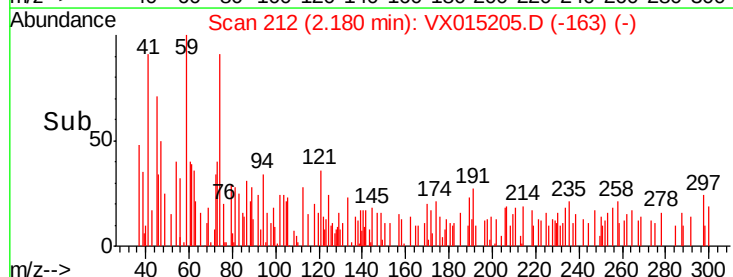
600

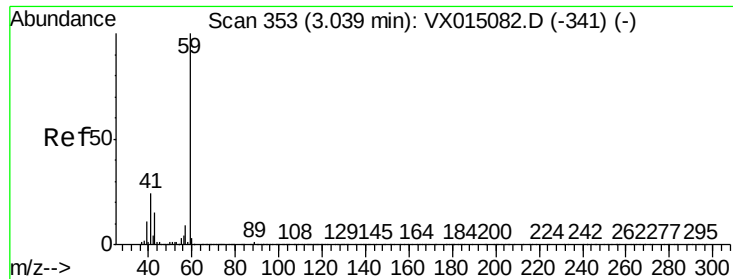
400

200

0

Time--> 2.15 2.20

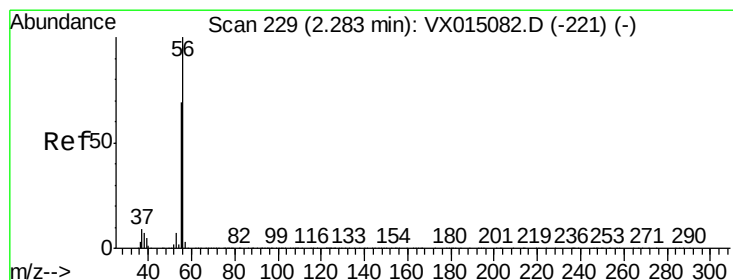
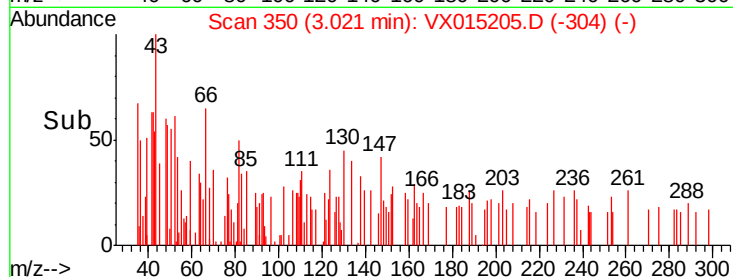
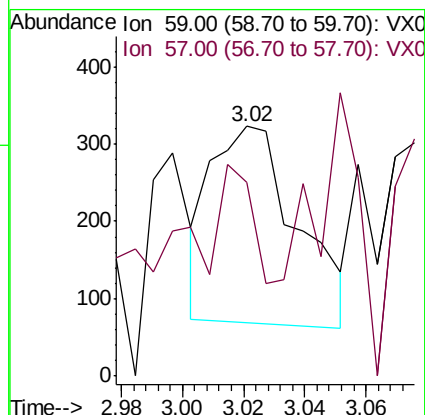
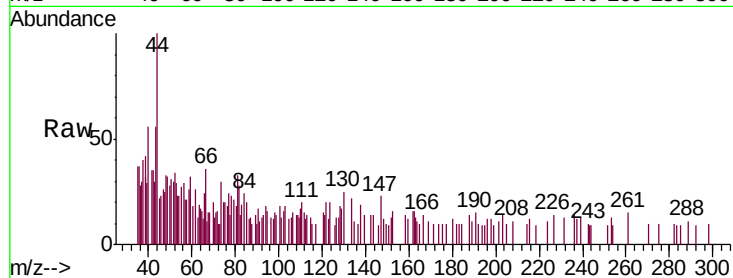




#11
Tert butyl alcohol
Concen: 0.781 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX015205.D
Acq: 11 Mar 2020 16:55

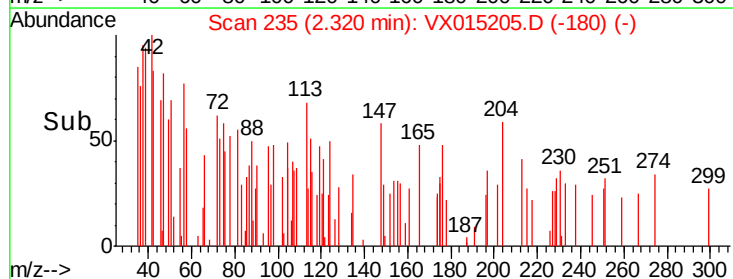
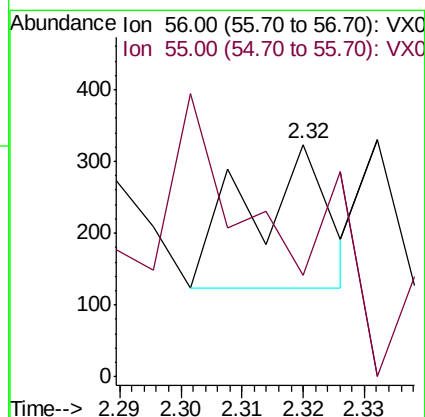
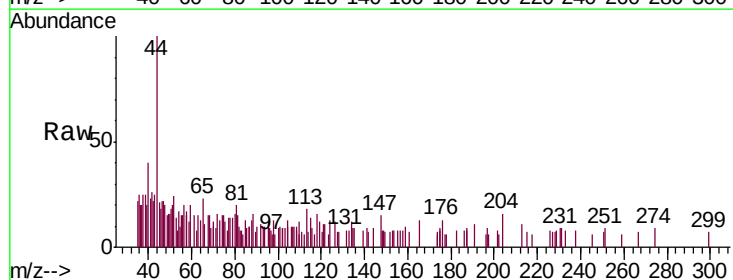
Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#14

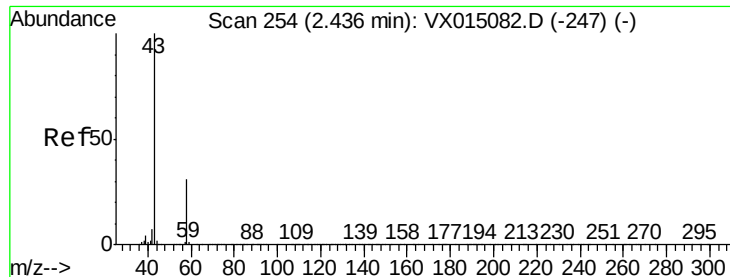
Tgt Ion: 59 Resp: 498
Ion Ratio Lower Upper
59 100
57 23.7 8.2 12.4#



#13
Acrolein
Concen: 0.304 ug/l
RT: 2.32 min Scan# 235
Delta R.T. 0.04 min
Lab File: VX015205.D
Acq: 11 Mar 2020 16:55

Tgt Ion: 56 Resp: 182
Ion Ratio Lower Upper
56 100
55 280.8 55.4 83.0#





#16

Acetone

Concen: 8.172 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX015205.D

Acq: 11 Mar 2020 16:55

Instrument :

MSVOA_X

ClientSampleId :

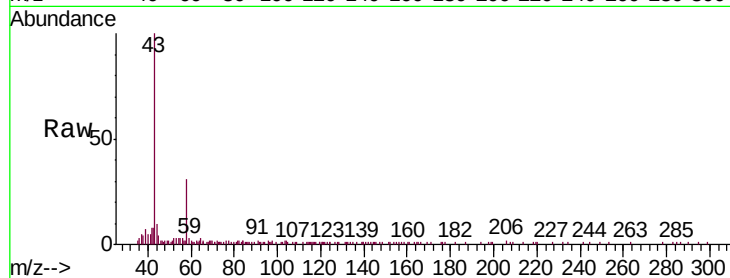
PB127431ZHE#14

Tgt Ion: 43 Resp: 12168

Ion Ratio Lower Upper

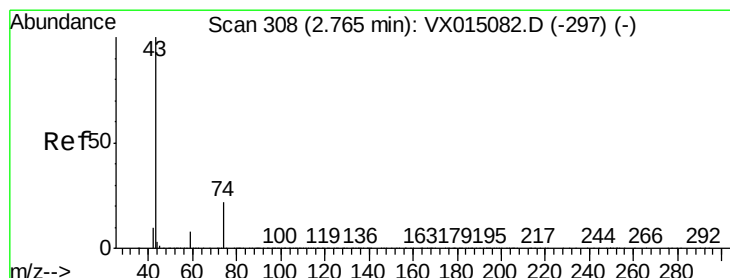
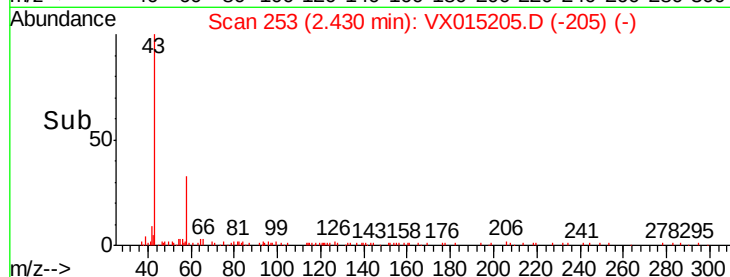
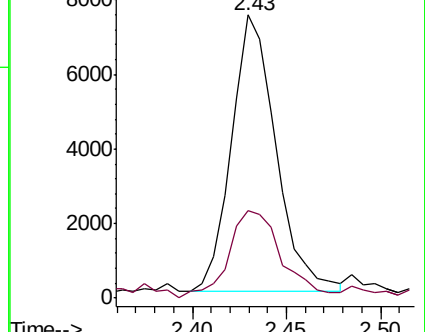
43 100

58 29.9 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.888 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX015205.D

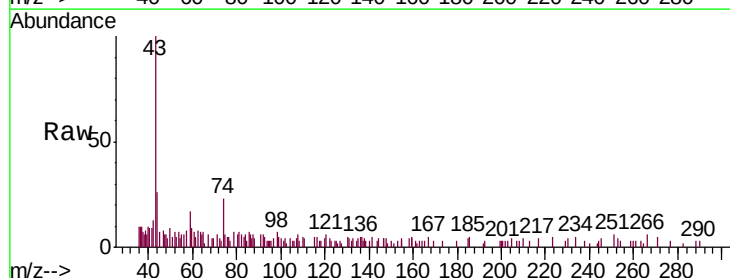
Acq: 11 Mar 2020 16:55

Tgt Ion: 43 Resp: 3233

Ion Ratio Lower Upper

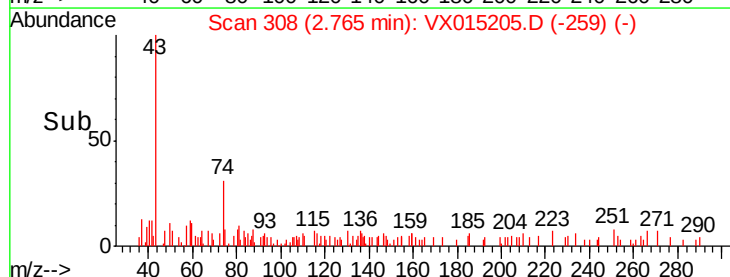
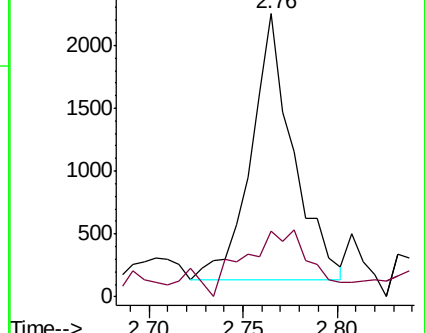
43 100

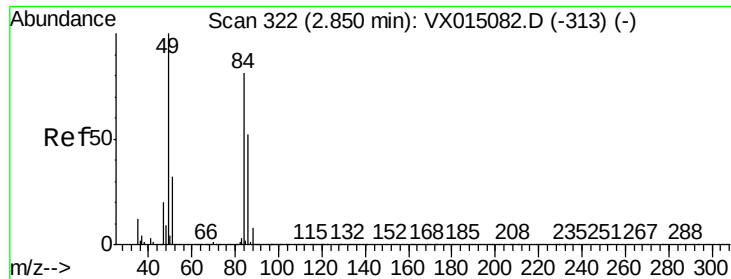
74 41.4 18.8 28.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methylene Chloride

Concen: 3.906 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.00 min

Lab File: VX015205.D

Acq: 11 Mar 2020 16:55

Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#14

Tgt Ion: 84 Resp: 13613

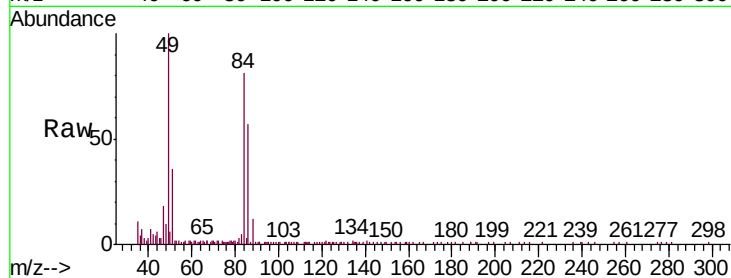
Ion Ratio Lower Upper

84 100

49 123.7 99.4 149.2

51 41.5 31.5 47.3

86 69.4 51.6 77.4

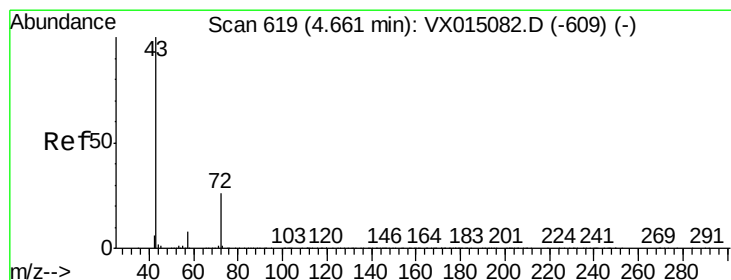
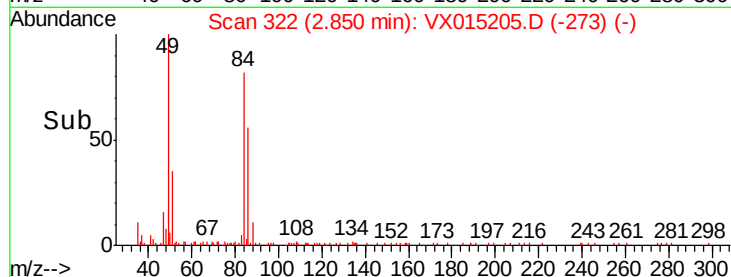
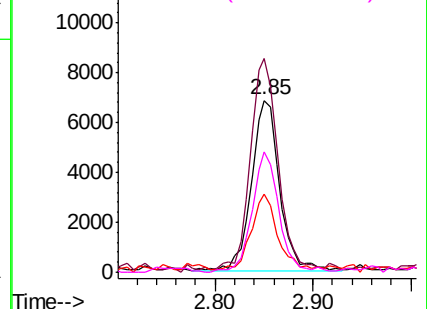


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 0.516 ug/l

RT: 4.65 min Scan# 617

Delta R.T. -0.01 min

Lab File: VX015205.D

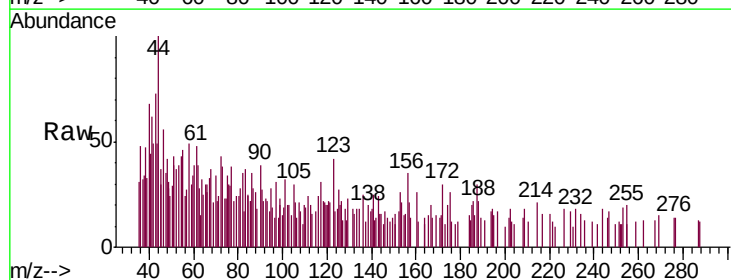
Acq: 11 Mar 2020 16:55

Tgt Ion: 43 Resp: 1124

Ion Ratio Lower Upper

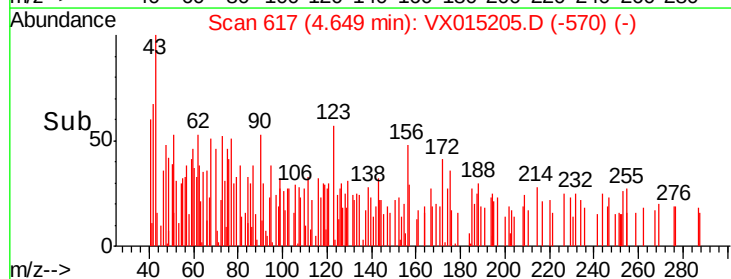
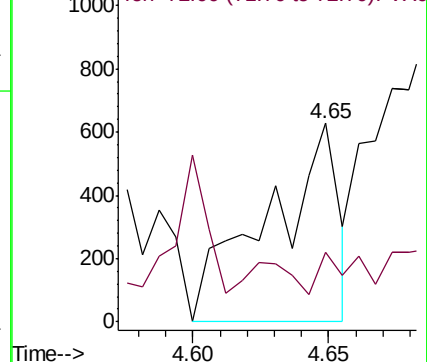
43 100

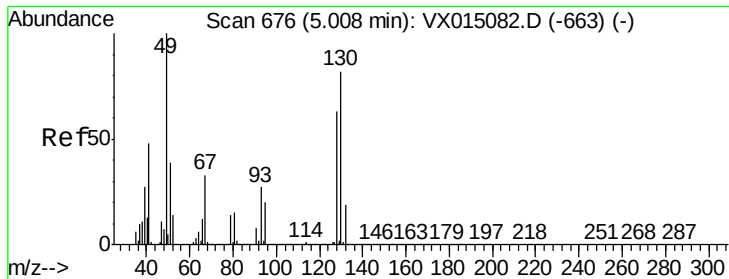
72 43.0 20.6 30.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#28

Bromochloromethane

Concen: 0.224 ug/l

RT: 5.03 min Scan# 679

Delta R.T. 0.02 min

Lab File: VX015205.D

Acq: 11 Mar 2020 16:55

Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#14

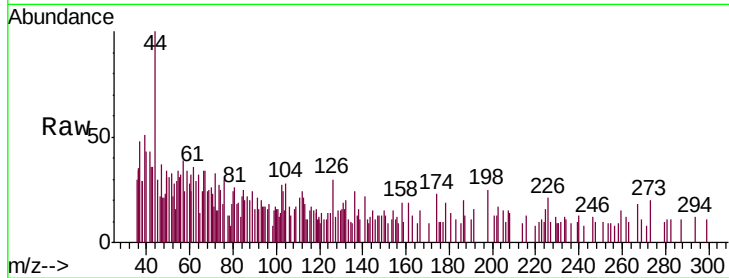
Tgt Ion: 49 Resp: 593

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.4

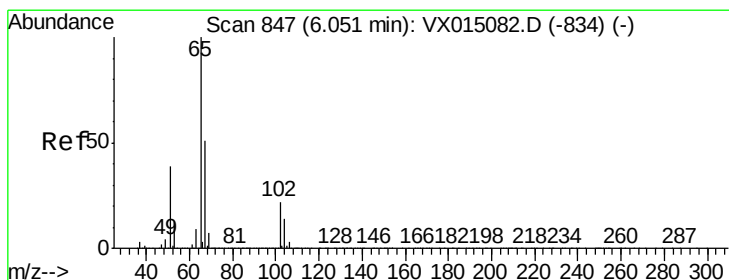
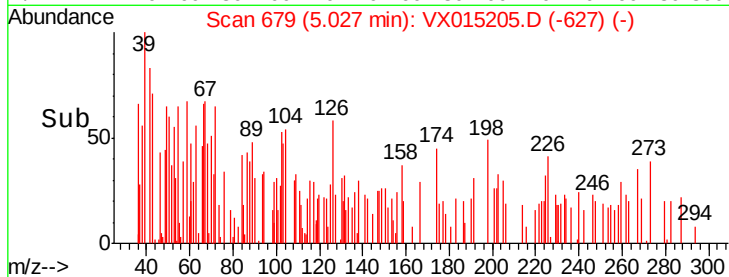
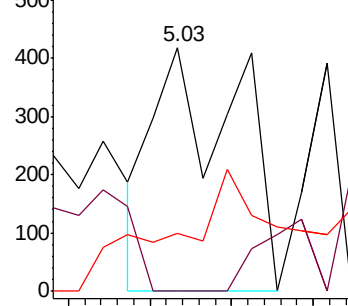
130 80.1 65.0 97.6



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#33

1,2-Dichloroethane-d4

Concen: 54.944 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX015205.D

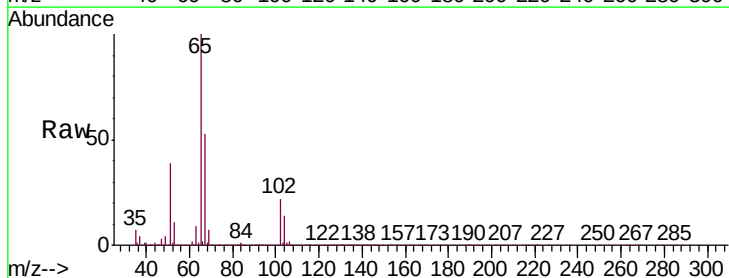
Acq: 11 Mar 2020 16:55

Tgt Ion: 65 Resp: 202018

Ion Ratio Lower Upper

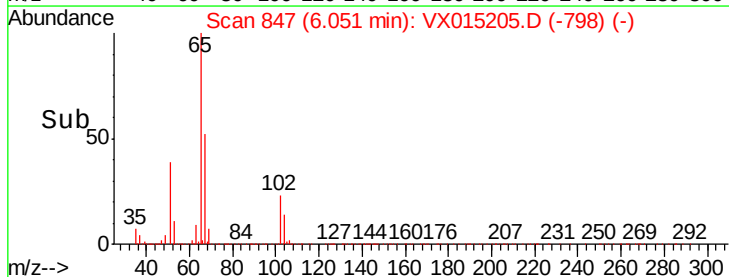
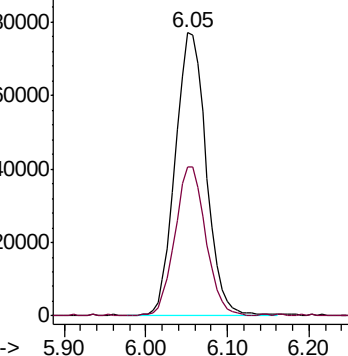
65 100

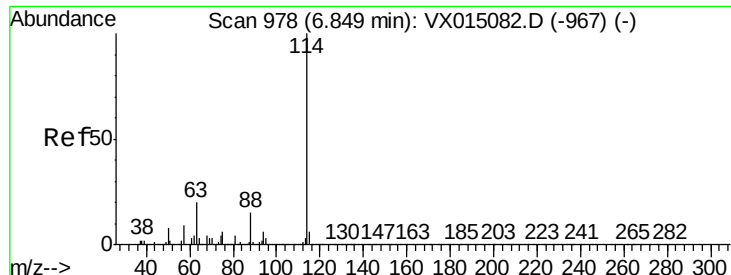
67 52.2 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

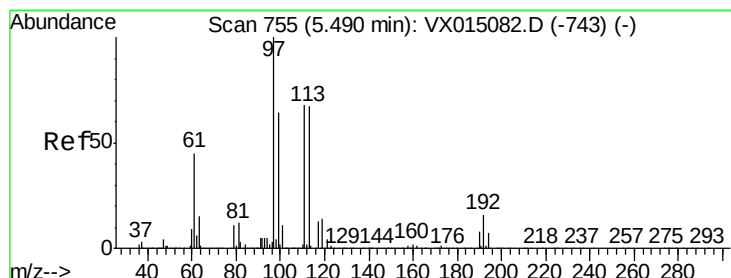
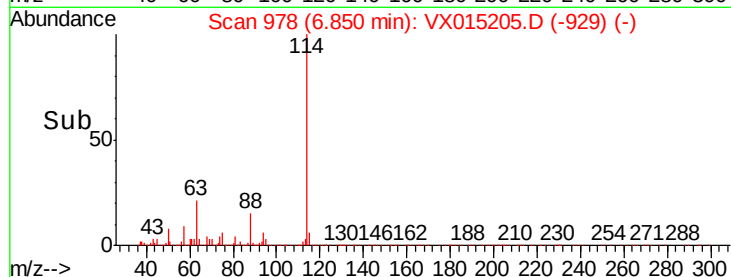
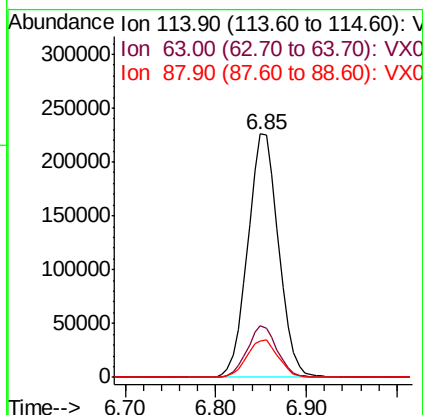
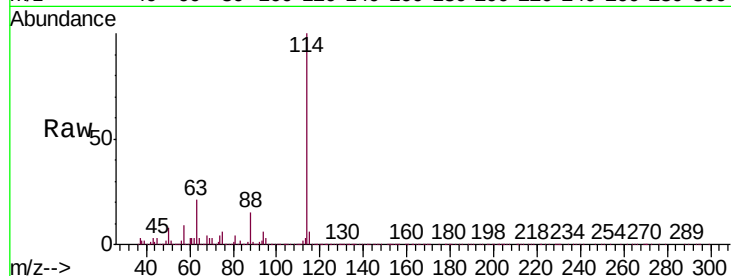




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX015205.D
Acq: 11 Mar 2020 16:55

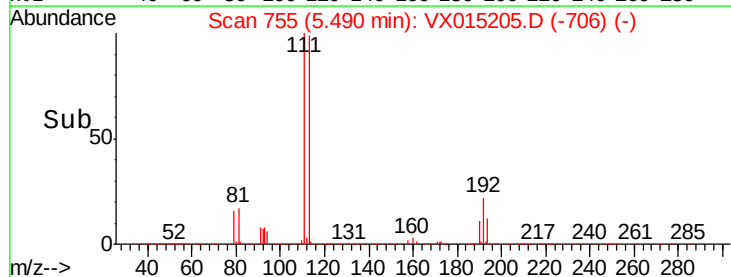
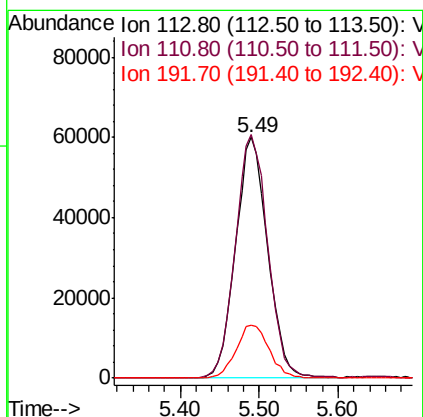
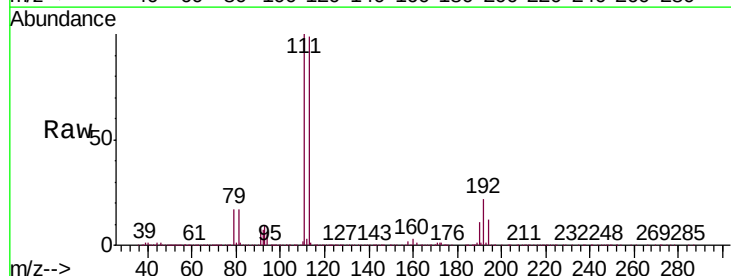
Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#14

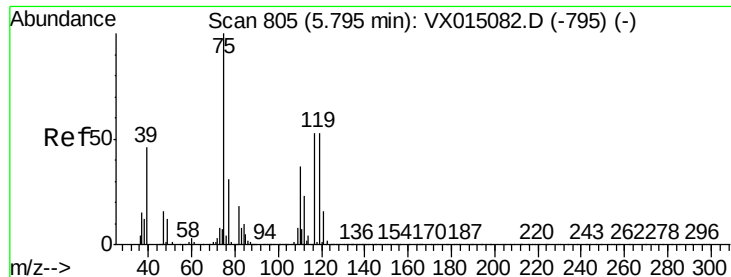
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	40.0
88	15.0	0.0	30.6



#35
Dibromofluoromethane
Concen: 50.153 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX015205.D
Acq: 11 Mar 2020 16:55

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.6	123.8
192	23.0	18.6	28.0

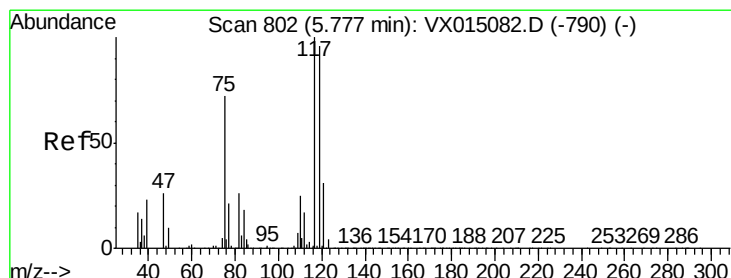
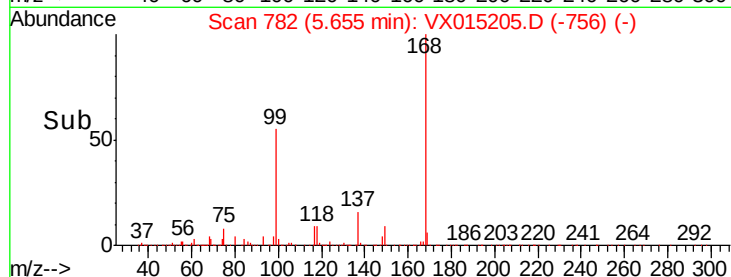
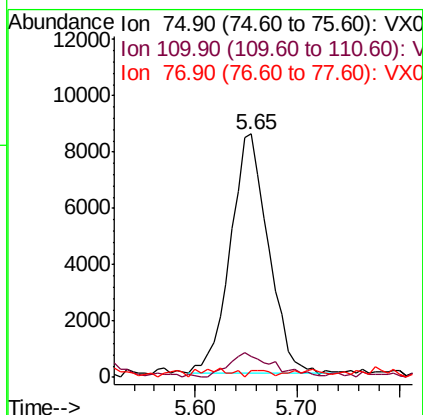
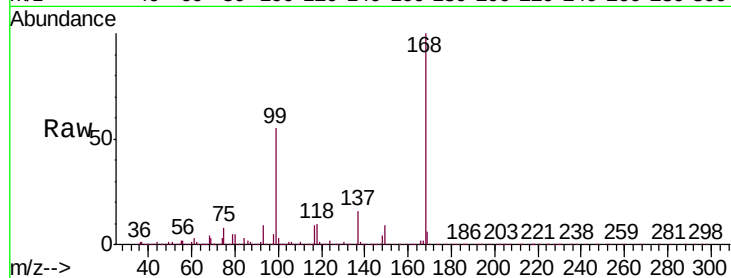




#36
 1,1-Dichloropropene
 Concen: 4.418 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX015205.D
 Acq: 11 Mar 2020 16:55

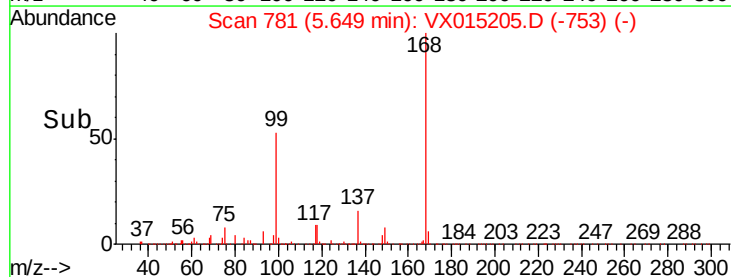
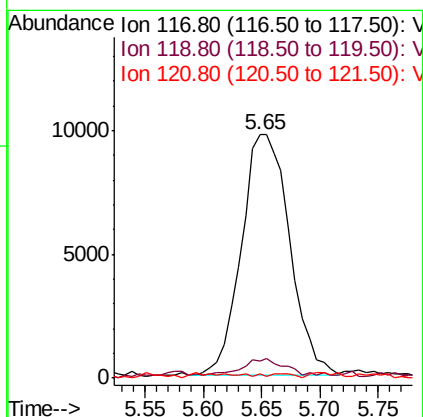
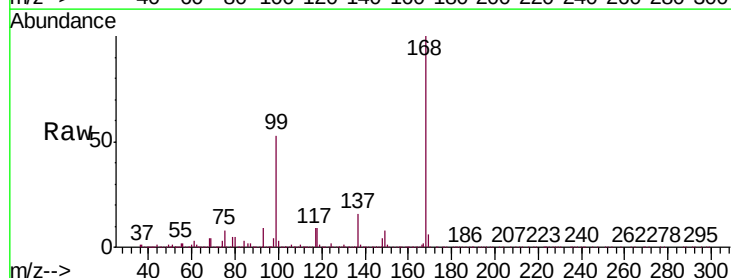
Instrument :
 MSVOA_X
 ClientSampleId :
 PB127431ZHE#14

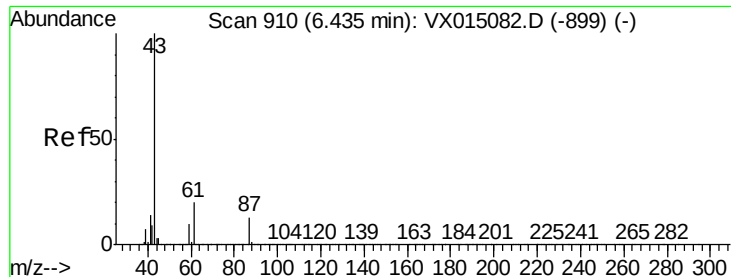
Tgt Ion: 75 Resp: 21674
 Ion Ratio Lower Upper
 75 100
 110 12.0 17.9 53.8#
 77 1.7 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.077 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX015205.D
 Acq: 11 Mar 2020 16:55

Tgt Ion: 117 Resp: 28138
 Ion Ratio Lower Upper
 117 100
 119 6.0 76.9 115.3#
 121 0.7 24.6 37.0#





#43

Isopropyl Acetate

Concen: 10.327 ug/l

RT: 6.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX015205.D

Acq: 11 Mar 2020 16:55

Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#14

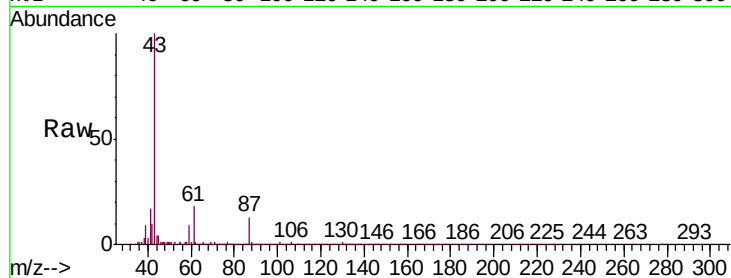
Tgt Ion: 43 Resp: 82670

Ion Ratio Lower Upper

43 100

61 19.6 16.1 24.1

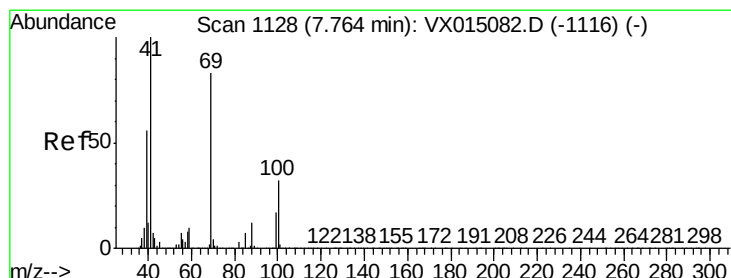
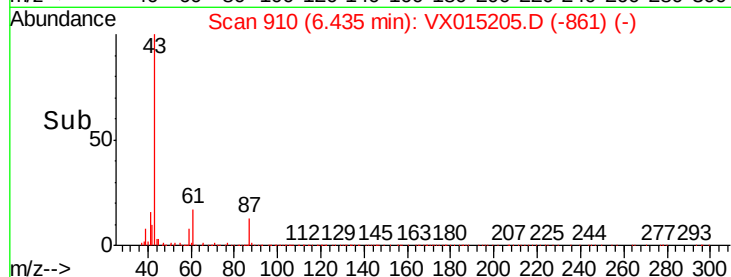
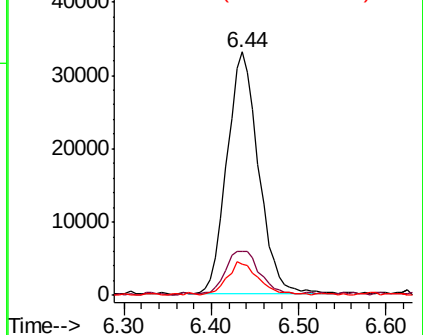
87 13.4 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#48

Methyl methacrylate

Concen: 1.138 ug/l

RT: 7.67 min Scan# 1113

Delta R.T. -0.09 min

Lab File: VX015205.D

Acq: 11 Mar 2020 16:55

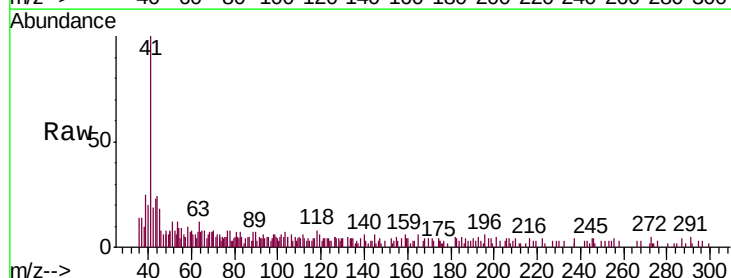
Tgt Ion: 41 Resp: 4638

Ion Ratio Lower Upper

41 100

69 3.8 65.4 98.2#

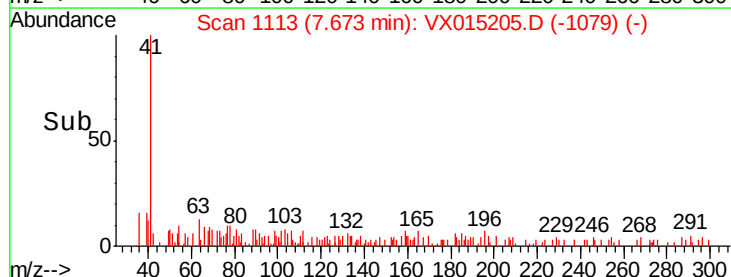
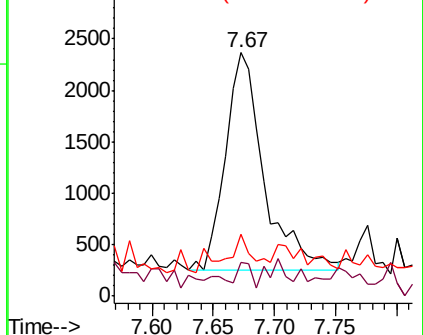
39 0.0 44.6 67.0#

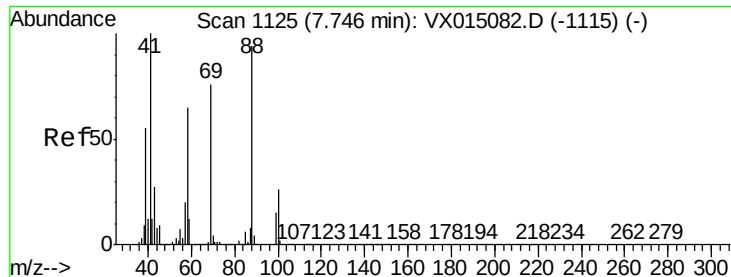


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

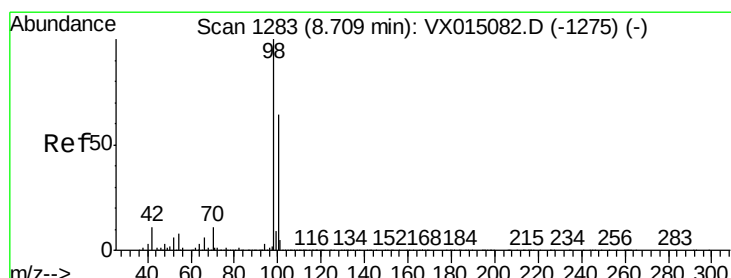
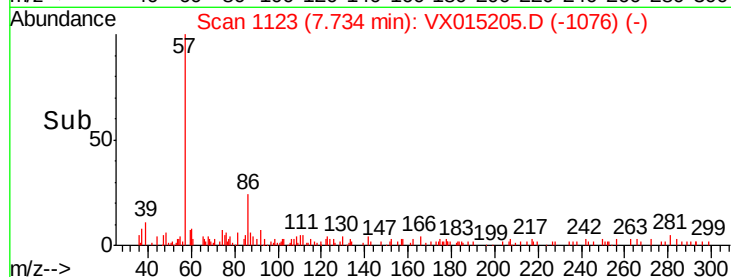
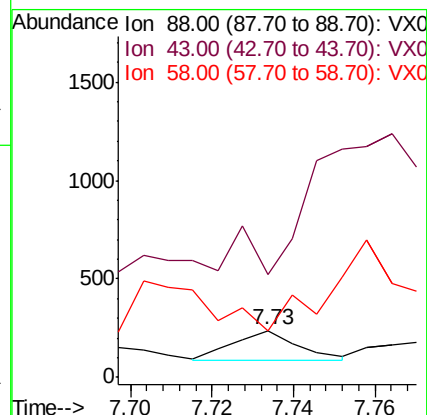
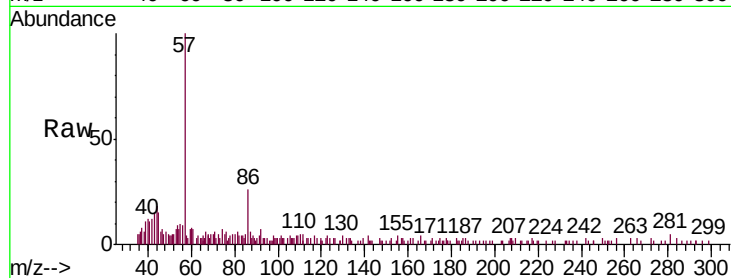




#49
1,4-Dioxane
Concen: 1.884 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.01 min
Lab File: VX015205.D
Acq: 11 Mar 2020 16:55

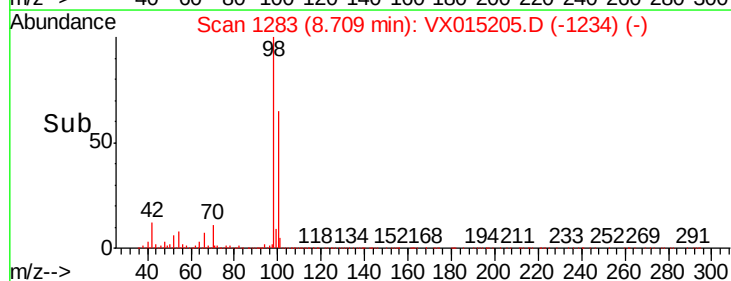
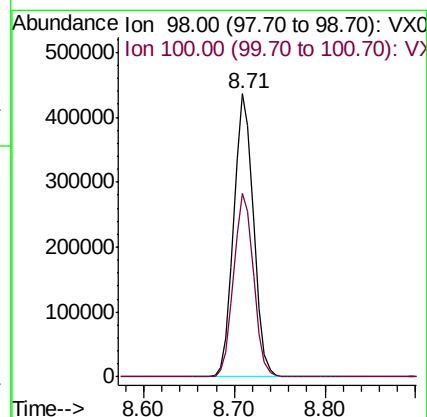
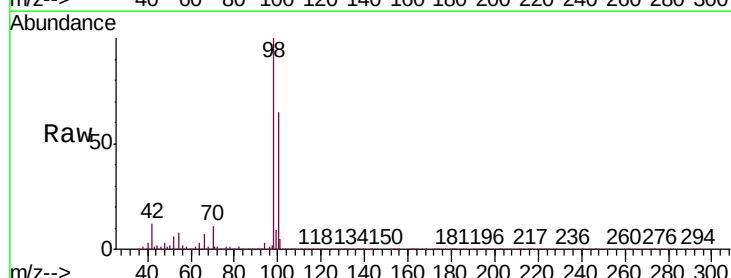
Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#14

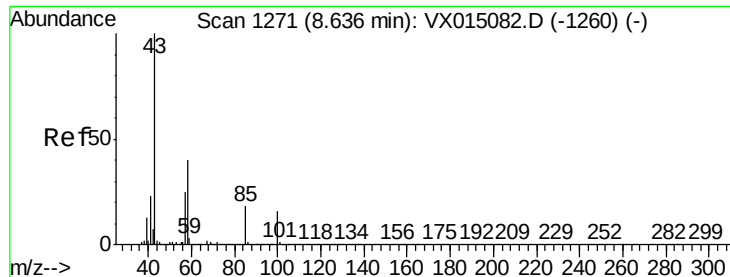
Tgt Ion: 88 Resp: 166
Ion Ratio Lower Upper
88 100
43 0.0 27.0 40.4#
58 0.0 55.6 83.4#



#50
Toluene-d8
Concen: 51.766 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX015205.D
Acq: 11 Mar 2020 16:55

Tgt Ion: 98 Resp: 659178
Ion Ratio Lower Upper
98 100
100 65.1 52.4 78.6

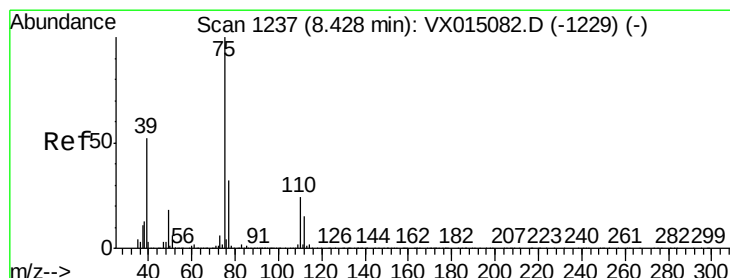
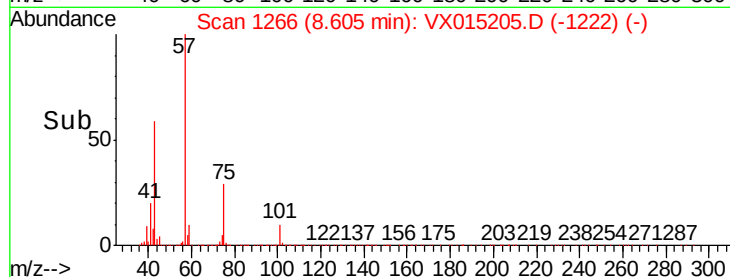
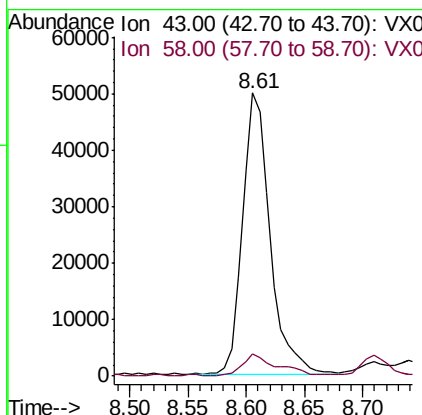
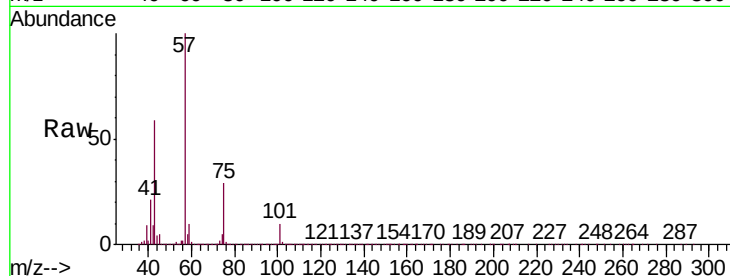




#51
 4-Methyl-2-Pentanone
 Concen: 17.306 ug/l
 RT: 8.61 min Scan# 1266
 Delta R.T. -0.03 min
 Lab File: VX015205.D
 Acq: 11 Mar 2020 16:55

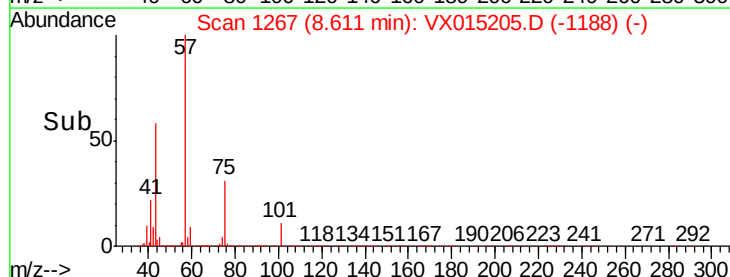
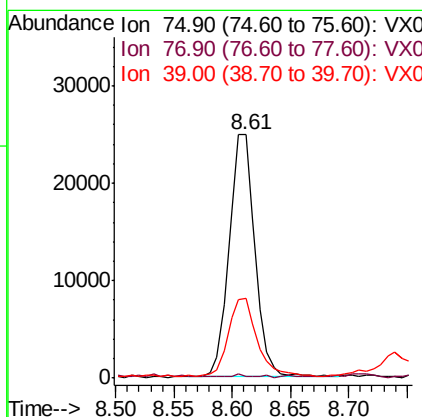
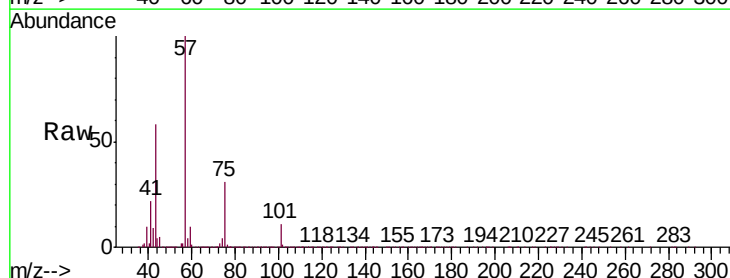
Instrument :
 MSVOA_X
 ClientSampleId :
 PB127431ZHE#14

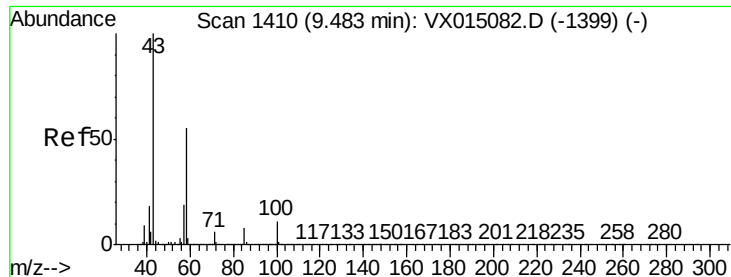
Tgt Ion: 43 Resp: 81909
 Ion Ratio Lower Upper
 43 100
 58 9.5 31.6 47.4#



#54
 cis-1,3-Dichloropropene
 Concen: 6.527 ug/l
 RT: 8.61 min Scan# 1267
 Delta R.T. 0.18 min
 Lab File: VX015205.D
 Acq: 11 Mar 2020 16:55

Tgt Ion: 75 Resp: 38125
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.8 38.6#
 39 31.5 41.3 61.9#

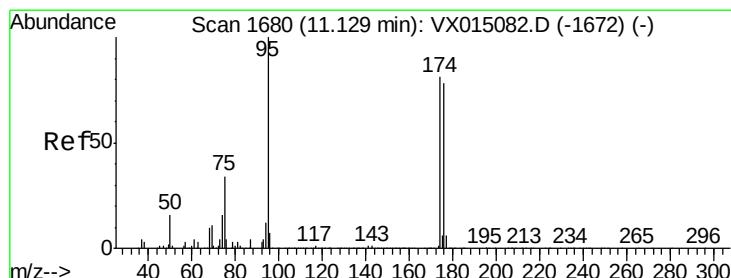
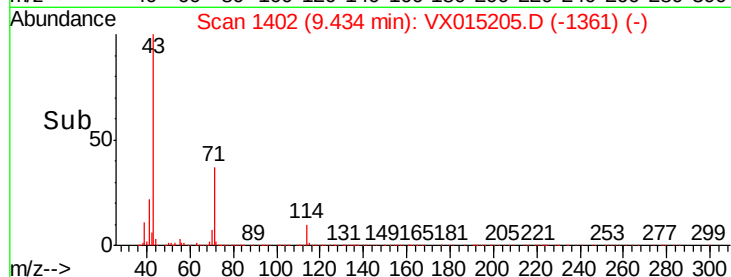
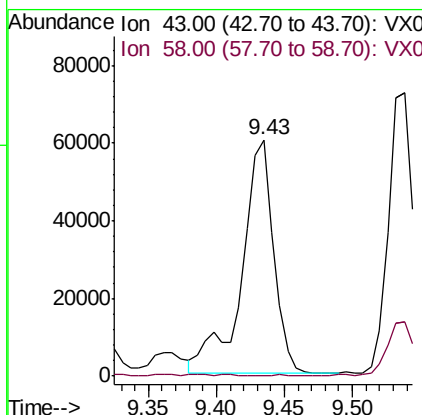
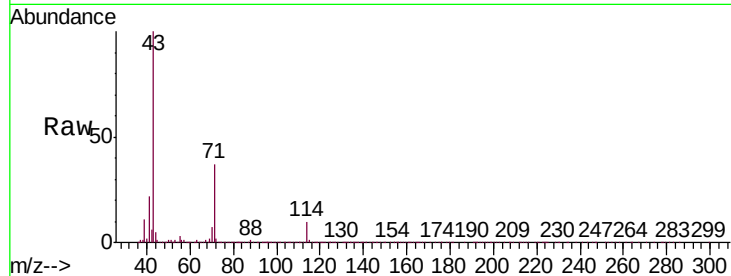




#59
2-Hexanone
Concen: 28.305 ug/l
RT: 9.43 min Scan# 1402
Delta R.T. -0.05 min
Lab File: VX015205.D
Acq: 11 Mar 2020 16:55

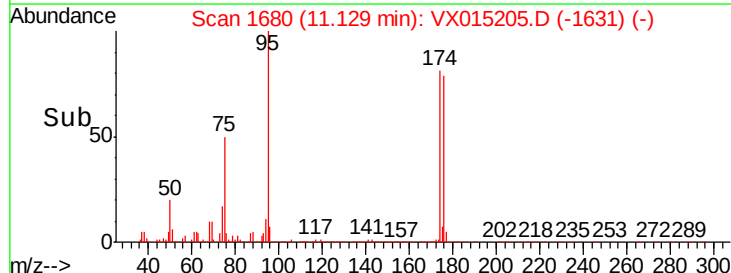
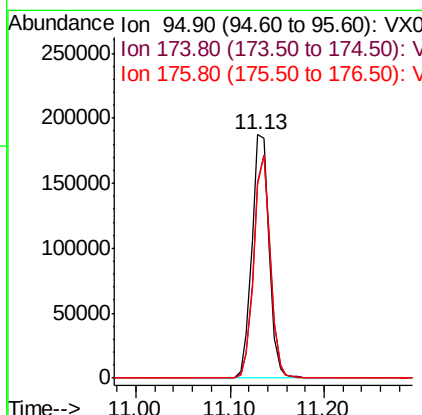
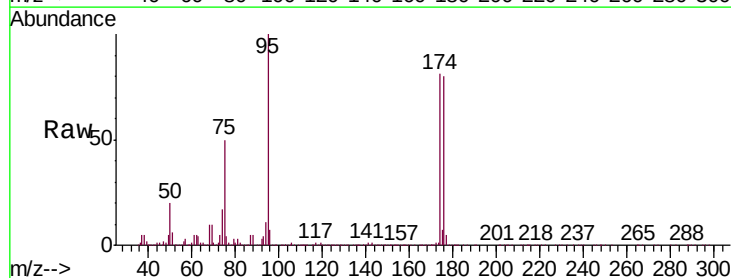
Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#14

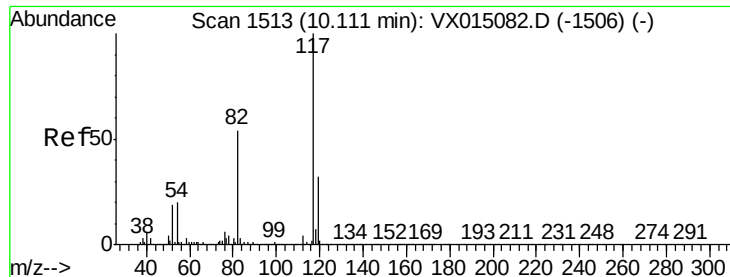
Tgt Ion: 43 Resp: 99296
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 53.609 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX015205.D
Acq: 11 Mar 2020 16:55

Tgt Ion: 95 Resp: 243490
Ion Ratio Lower Upper
95 100
174 88.7 0.0 177.6
176 86.6 0.0 170.2

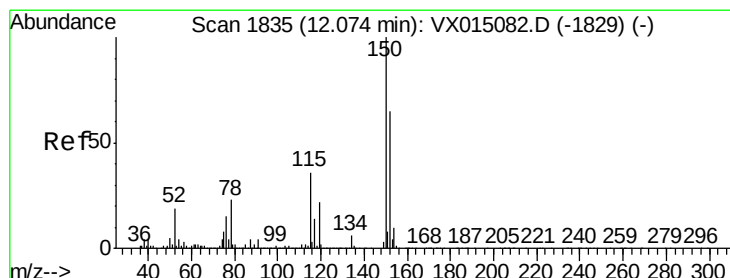
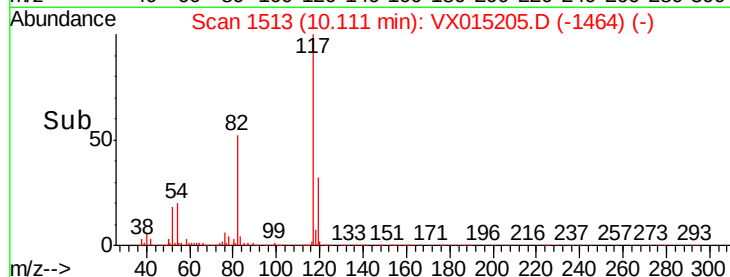
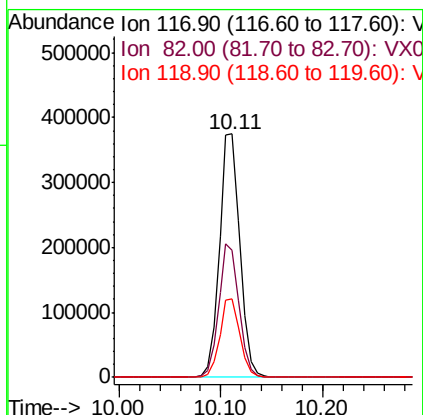
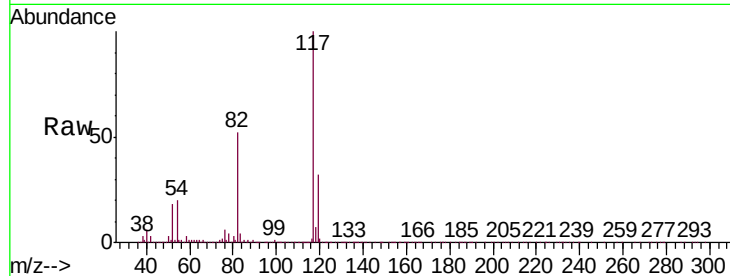




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX015205.D
Acq: 11 Mar 2020 16:55

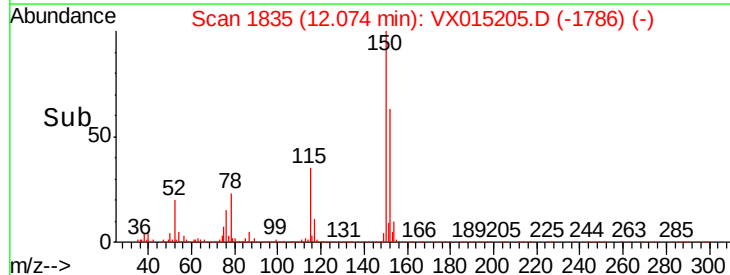
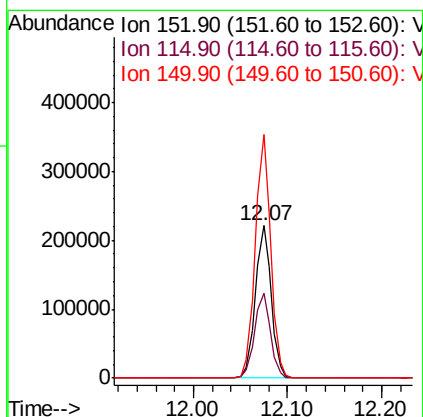
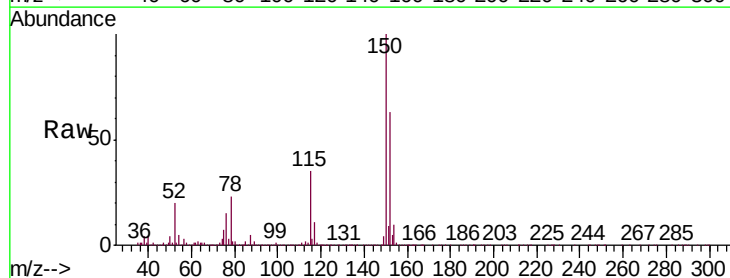
Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#14

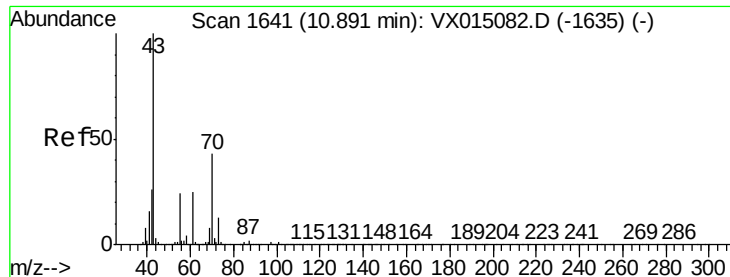
Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.3	43.3	64.9
119	32.4	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX015205.D
Acq: 11 Mar 2020 16:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	38.2	114.6
150	155.9	0.0	343.8





#74

N-amyI acetate

Concen: 0.470 ug/l

RT: 10.82 min Scan# 1629

Delta R.T. -0.07 min

Lab File: VX015205.D

Acq: 11 Mar 2020 16:55

Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#14

Tgt Ion: 43 Resp: 3349

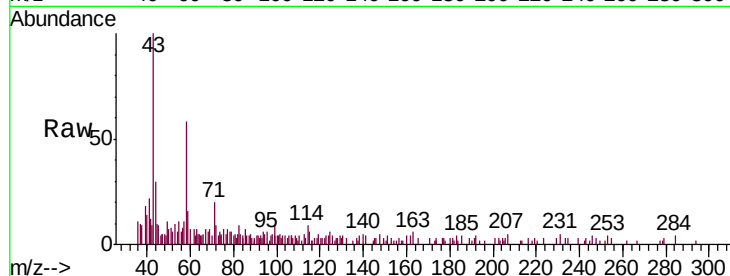
Ion Ratio Lower Upper

43 100

70 6.5 34.7 52.1#

55 8.4 19.4 29.0#

61 0.0 19.0 28.6#

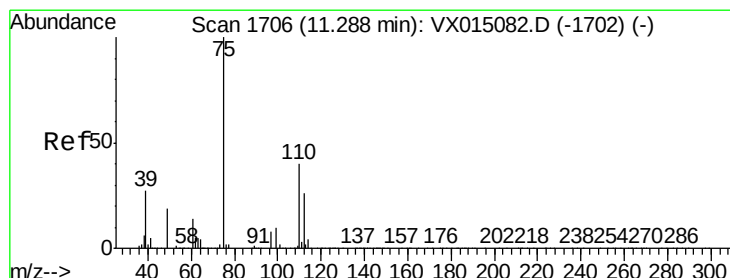
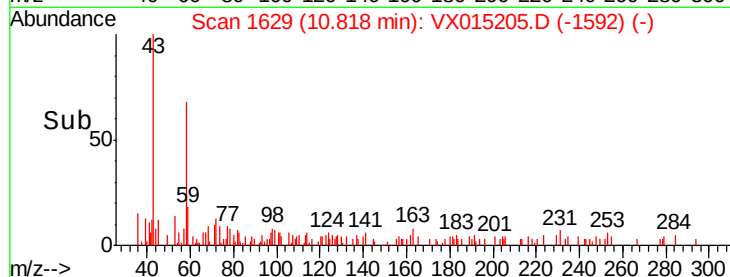
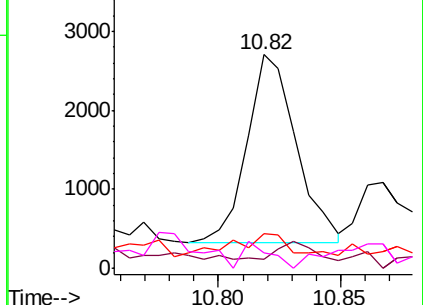


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 22.766 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015205.D

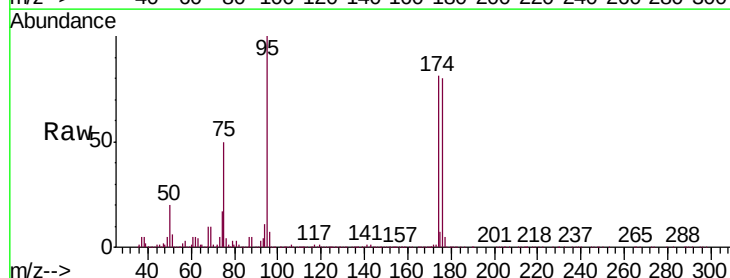
Acq: 11 Mar 2020 16:55

Tgt Ion: 75 Resp: 120193

Ion Ratio Lower Upper

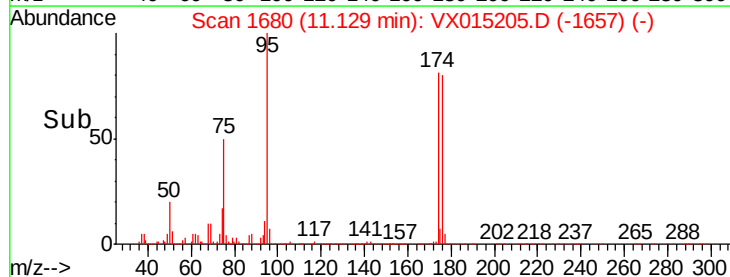
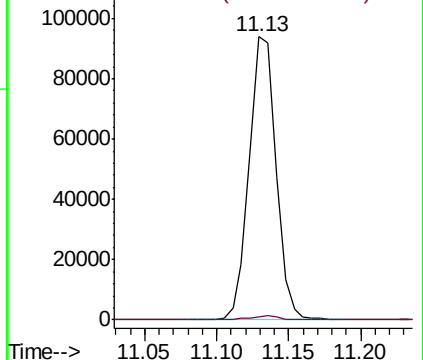
75 100

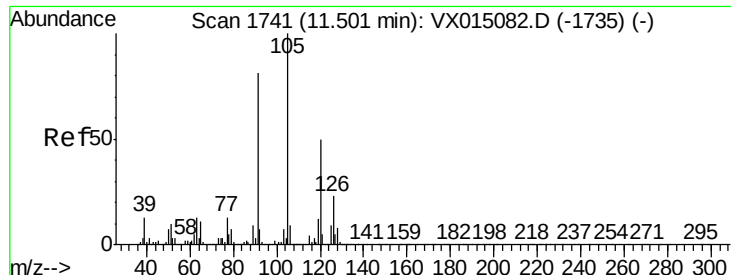
77 1.4 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

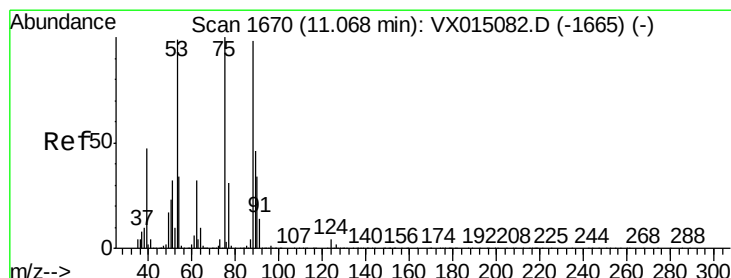
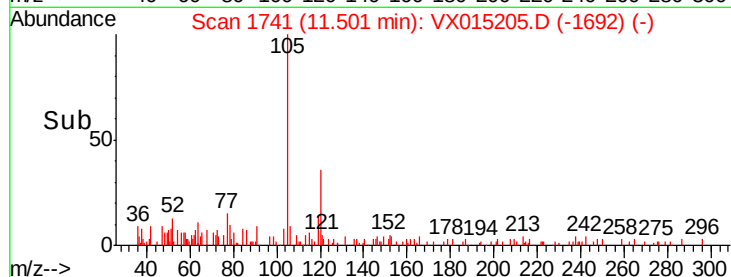
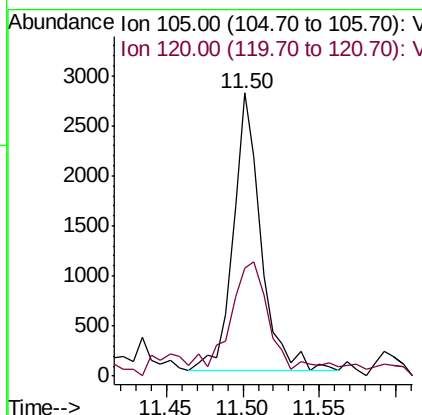
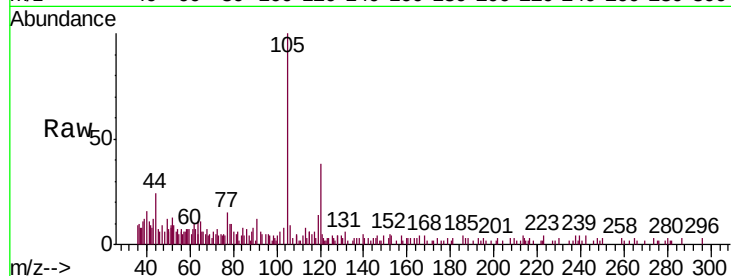




#80
 1,3,5-Trimethylbenzene
 Concen: 0.247 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX015205.D
 Acq: 11 Mar 2020 16:55

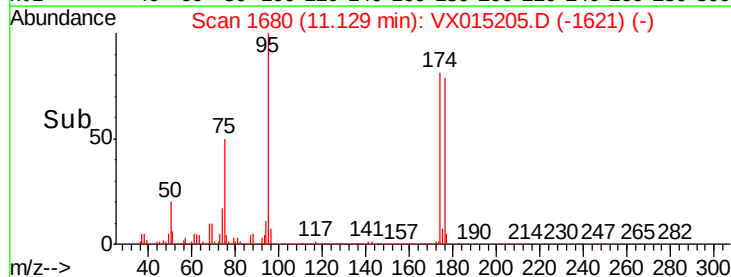
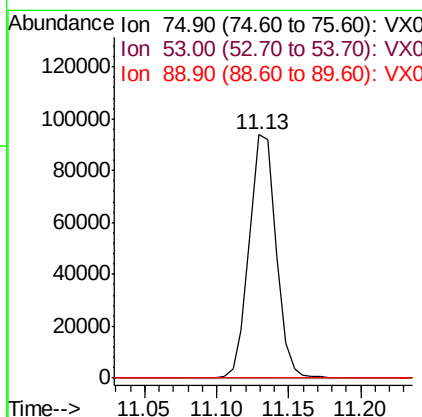
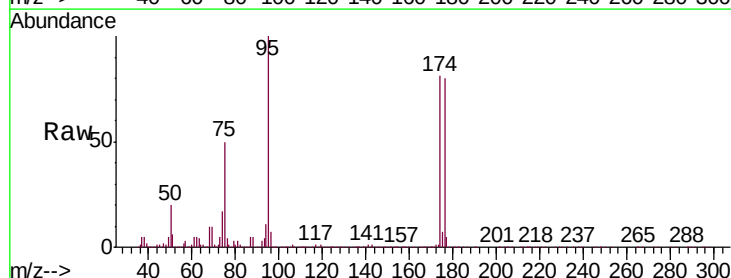
Instrument :
 MSVOA_X
 ClientSampleId :
 PB127431ZHE#14

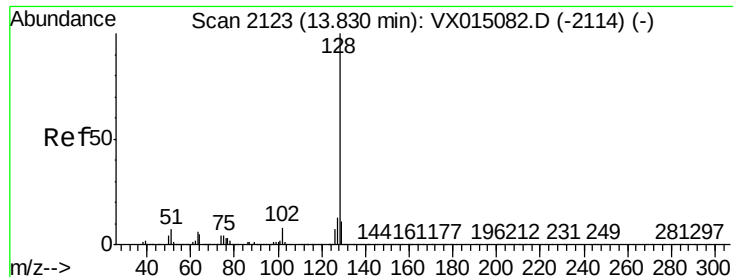
Tgt Ion: 105 Resp: 3481
 Ion Ratio Lower Upper
 105 100
 120 47.5 25.1 75.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.609 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX015205.D
 Acq: 11 Mar 2020 16:55

Tgt Ion: 75 Resp: 120193
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.9 116.9#
 89 0.2 36.2 54.2#





#95
Naphthalene
Concen: 1.460 ug/l
RT: 13.84 min Scan# 2125
Delta R.T. 0.01 min
Lab File: VX015205.D
Acq: 11 Mar 2020 16:55

Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#14

Tgt Ion:128 Resp: 732
Ion Ratio Lower Upper
128 100
127 14.6 10.3 15.5
129 16.4 8.6 13.0#

