

Data File : VX015202.D
Acq On : 11 Mar 2020 15:47
Operator : JC/SP
Sample : PB127431ZHE#11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#11

Quant Time: Mar 12 05:49:39 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	293135	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	485748	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	489360	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	255992	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	170624	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
35) Dibromofluoromethane	5.49	113	150638	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
50) Toluene-d8	8.71	98	603679	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	
62) 4-Bromofluorobenzene	11.13	95	229936	55.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.60%	

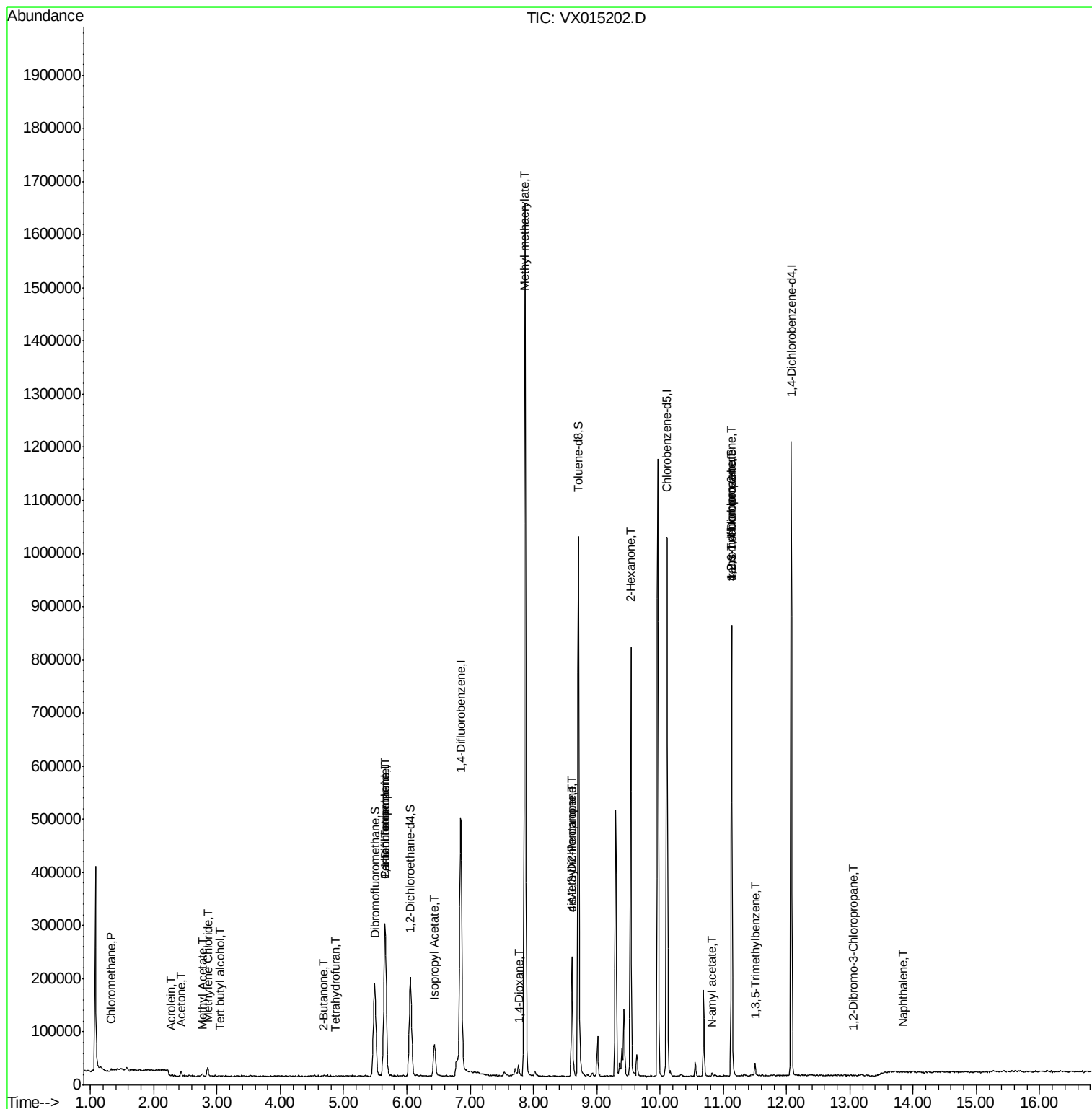
Target Compounds						Qvalue
3) Chloromethane	1.32	50	981	0.270	ug/l	90
11) Tert butyl alcohol	3.05	59	168	0.278	ug/l #	1
13) Acrolein	2.28	56	377	0.665	ug/l #	25
16) Acetone	2.43	43	11084	7.870	ug/l	94
18) Methyl Acetate	2.76	43	3285	0.954	ug/l #	73
20) Methylene Chloride	2.85	84	8086	2.453	ug/l	91
25) 2-Butanone	4.67	43	826	0.401	ug/l	99
29) Tetrahydrofuran	4.87	42	575	0.433	ug/l	93
36) 1,1-Dichloropropene	5.65	75	20717	4.613	ug/l #	49
38) Carbon Tetrachloride	5.65	117	26182	6.177	ug/l #	16
43) Isopropyl Acetate	6.43	43	81868	11.172	ug/l	99
48) Methyl methacrylate	7.87	41	134671	36.109	ug/l #	42
49) 1,4-Dioxane	7.78	88	449	5.568	ug/l #	52
51) 4-Methyl-2-Pentanone	8.61	43	79636	18.381	ug/l #	46
54) cis-1,3-Dichloropropene	8.61	75	36729	6.869	ug/l #	55
59) 2-Hexanone	9.54	43	91043	28.351	ug/l #	53
74) N-amyl acetate	10.82	43	3416	0.496	ug/l #	62
76) 1,2,3-Trichloropropane	11.13	75	108150	21.180	ug/l #	34
80) 1,3,5-Trimethylbenzene	11.50	105	10739	0.789	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.13	75	108150	60.109	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	13.06	75	230	0.211	ug/l #	58
95) Naphthalene	13.84	128	561	1.452	ug/l #	43

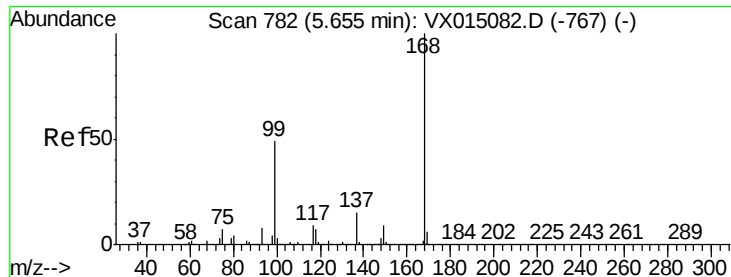
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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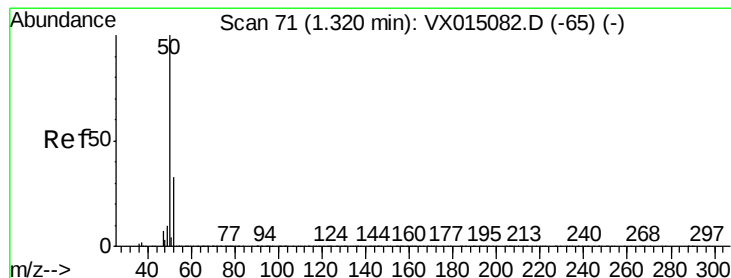
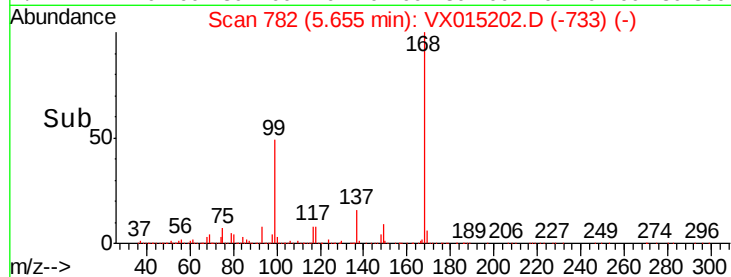
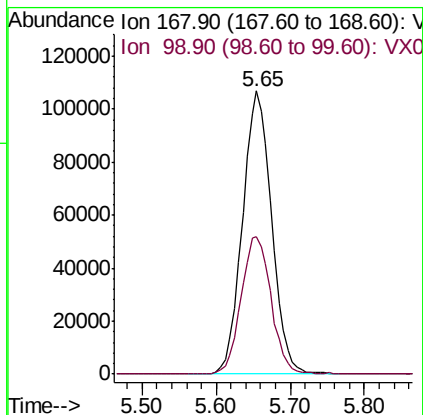
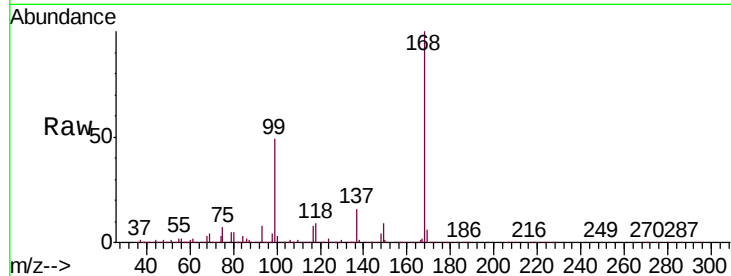


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.00 min
 Lab File: VX015202.D
 Acq: 11 Mar 2020 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 PB127431ZHE#11

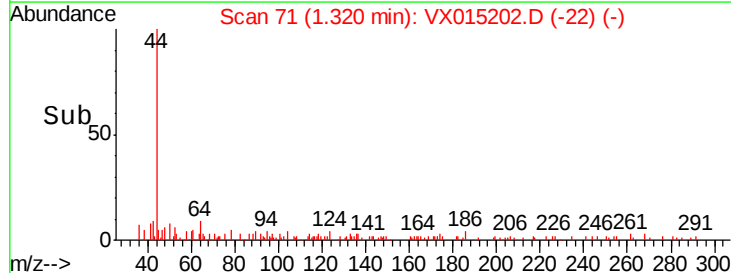
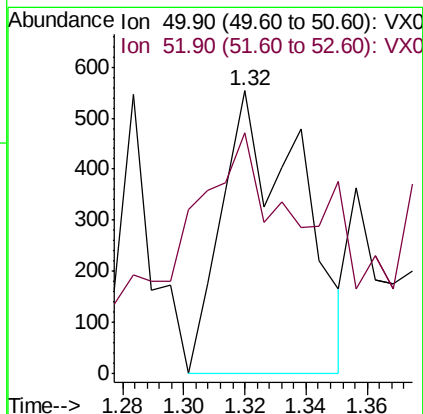
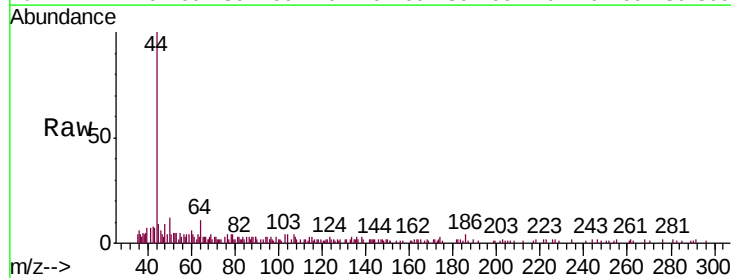
Tgt Ion:168 Resp: 293135
 Ion Ratio Lower Upper
 168 100
 99 48.7 39.4 59.2

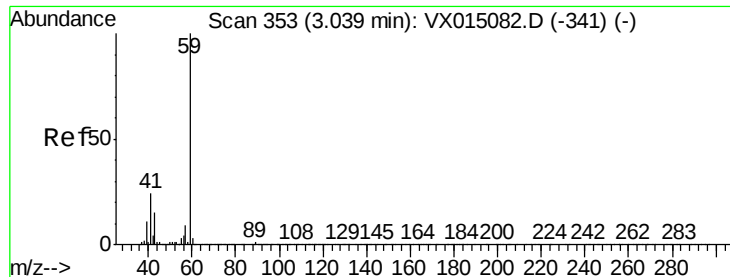


#3

Chloromethane
 Concen: 0.270 ug/l
 RT: 1.32 min Scan# 71
 Delta R.T. -0.00 min
 Lab File: VX015202.D
 Acq: 11 Mar 2020 15:47

Tgt Ion: 50 Resp: 981
 Ion Ratio Lower Upper
 50 100
 52 27.1 26.2 39.2

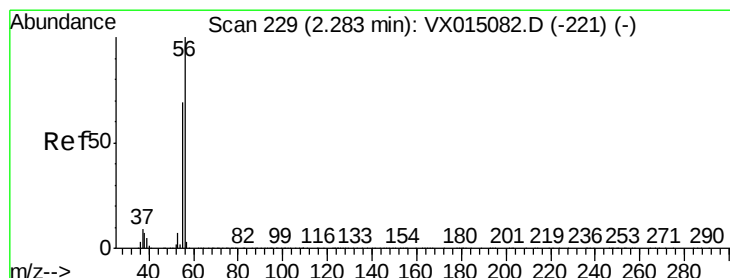
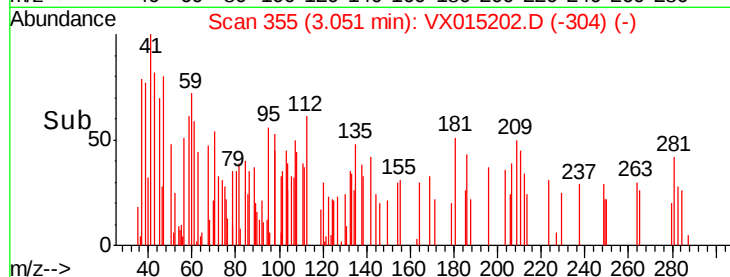
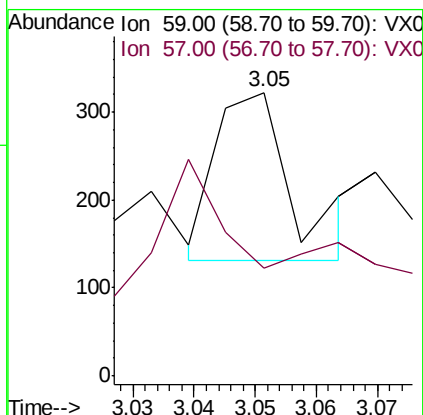
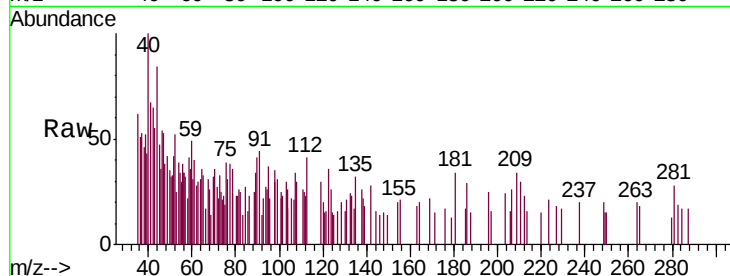




#11
Tert butyl alcohol
Concen: 0.278 ug/l
RT: 3.05 min Scan# 355
Delta R.T. 0.01 min
Lab File: VX015202.D
Acq: 11 Mar 2020 15:47

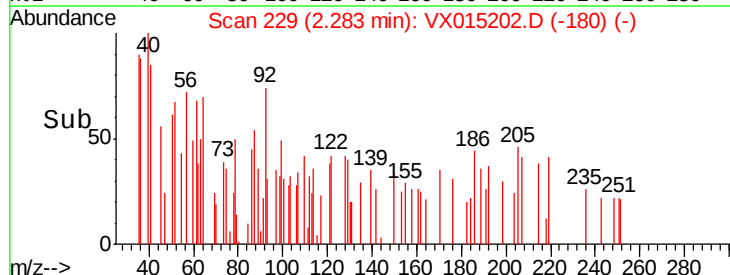
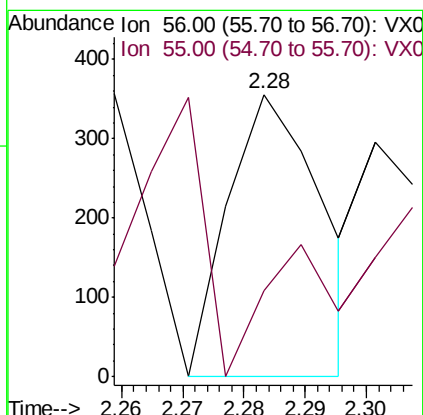
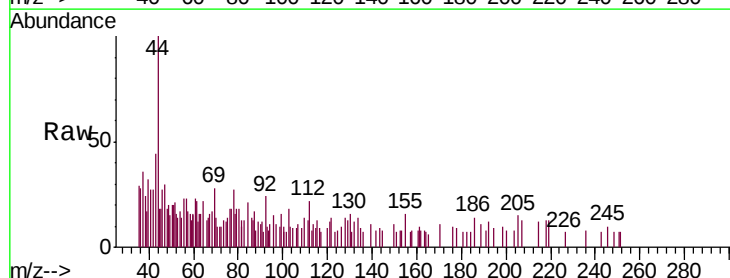
Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#11

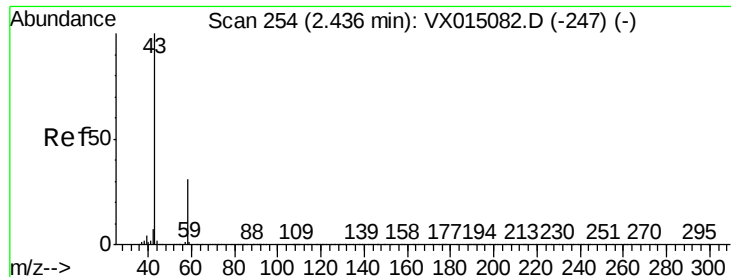
Tgt Ion: 59 Resp: 168
Ion Ratio Lower Upper
59 100
57 123.2 8.2 12.4#



#13
Acrolein
Concen: 0.665 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.00 min
Lab File: VX015202.D
Acq: 11 Mar 2020 15:47

Tgt Ion: 56 Resp: 377
Ion Ratio Lower Upper
56 100
55 8.0 55.4 83.0#





#16

Acetone

Concen: 7.870 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX015202.D

Acq: 11 Mar 2020 15:47

Instrument :

MSVOA_X

ClientSampleId :

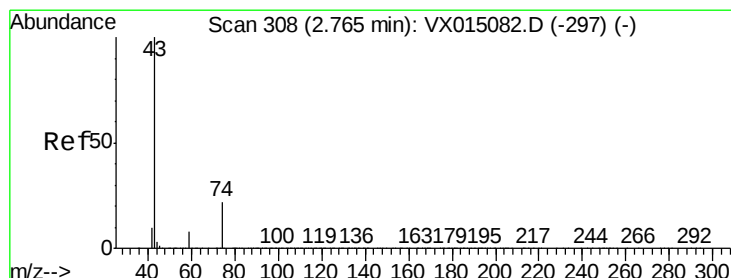
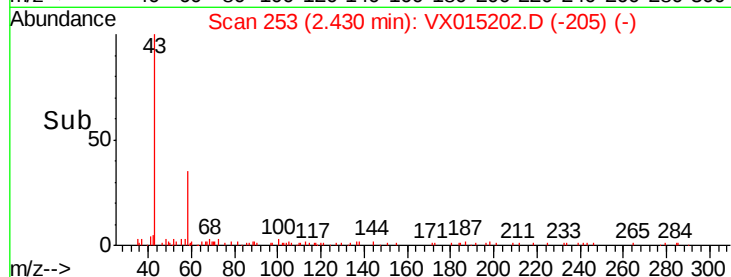
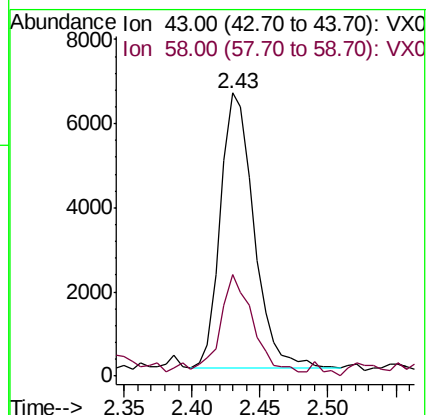
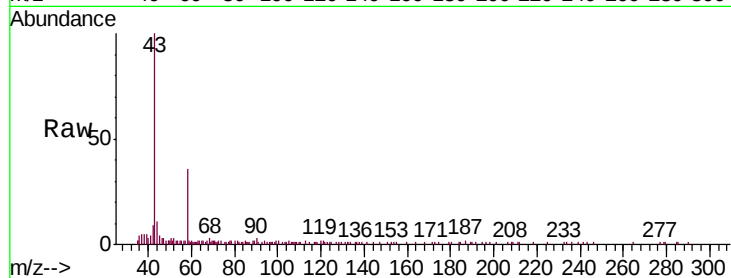
PB127431ZHE#11

Tgt Ion: 43 Resp: 11084

Ion Ratio Lower Upper

43 100

58 34.5 24.8 37.2



#18

Methyl Acetate

Concen: 0.954 ug/l

RT: 2.76 min Scan# 308

Delta R.T. -0.00 min

Lab File: VX015202.D

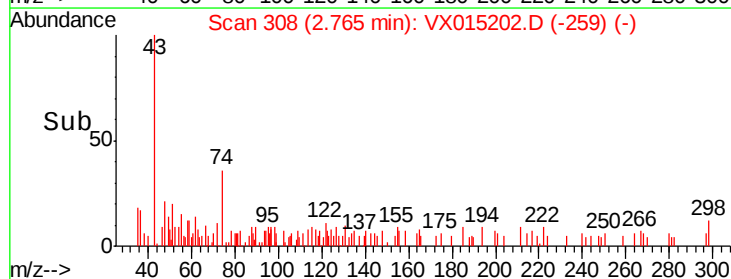
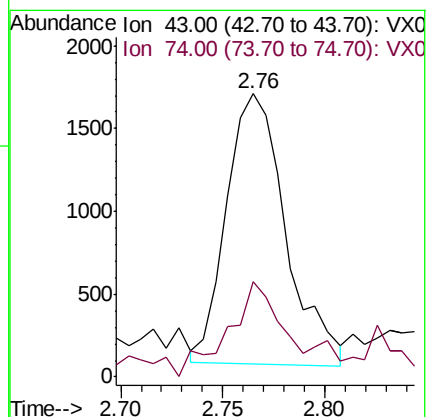
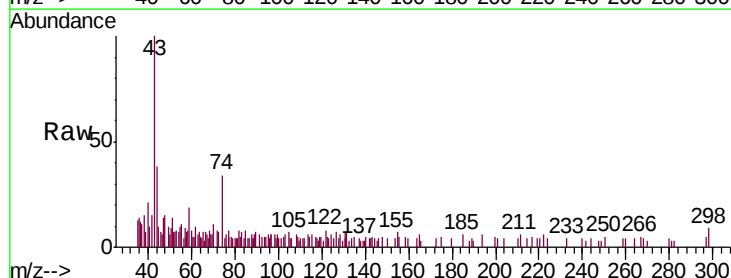
Acq: 11 Mar 2020 15:47

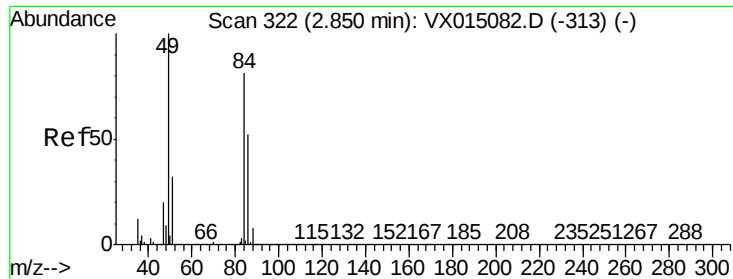
Tgt Ion: 43 Resp: 3285

Ion Ratio Lower Upper

43 100

74 36.9 18.8 28.2#





#20

Methylene Chloride

Concen: 2.453 ug/l

RT: 2.85 min Scan# 322

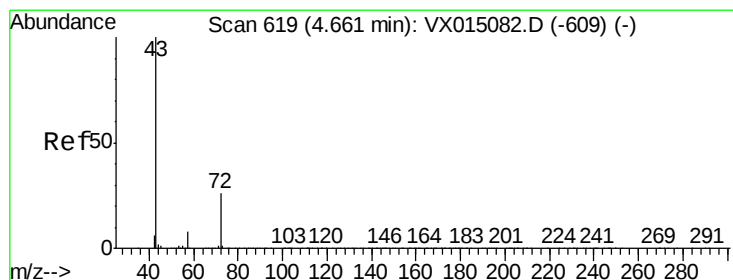
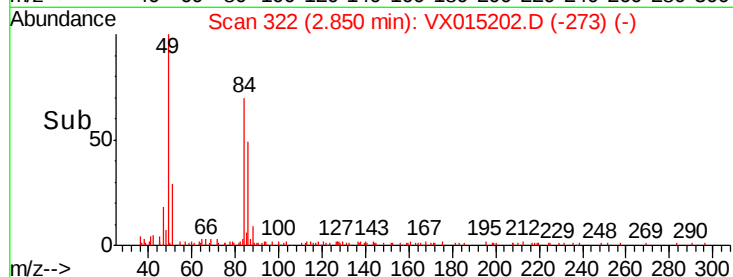
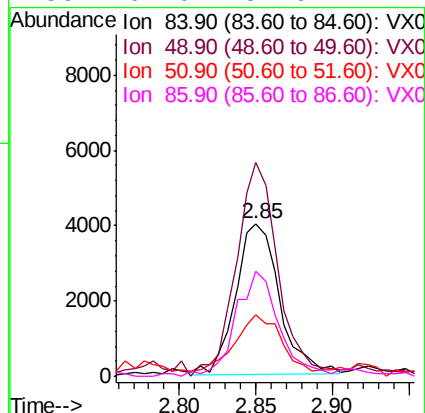
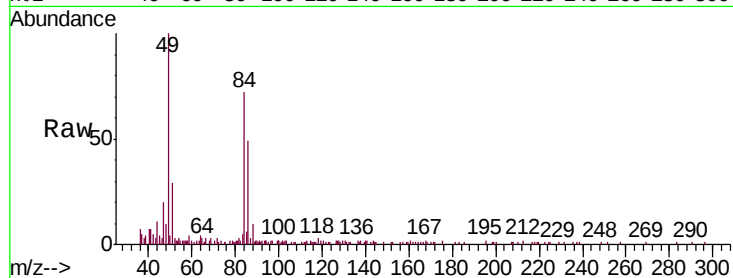
Delta R.T. -0.00 min

Lab File: VX015202.D

Acq: 11 Mar 2020 15:47

Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#11

Tgt Ion:	84	Resp:	8086
Ion	Ratio	Lower	Upper
84	100		
49	140.7	99.4	149.2
51	38.2	31.5	47.3
86	67.0	51.6	77.4



#25

2-Butanone

Concen: 0.401 ug/l

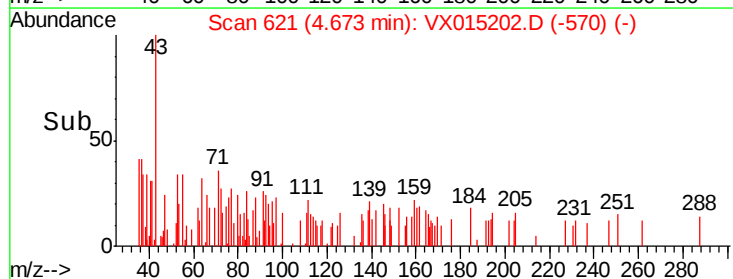
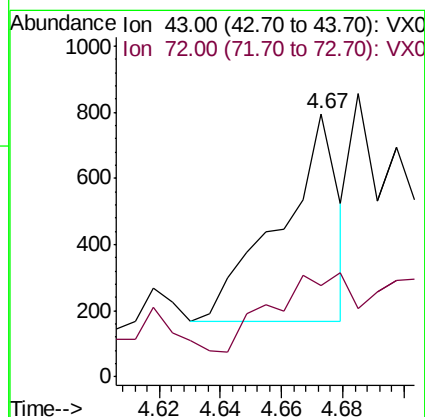
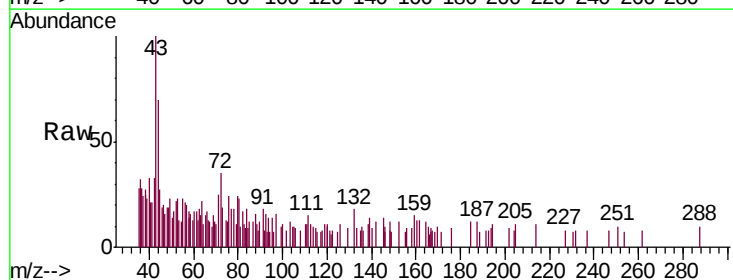
RT: 4.67 min Scan# 621

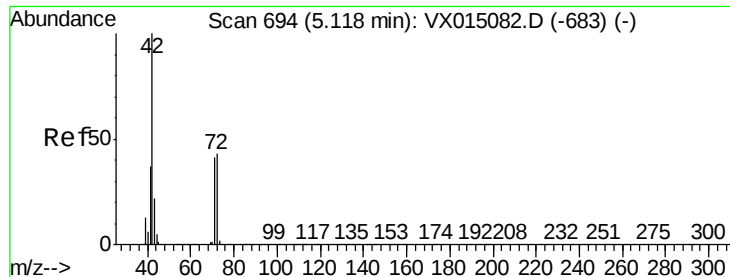
Delta R.T. 0.01 min

Lab File: VX015202.D

Acq: 11 Mar 2020 15:47

Tgt Ion:	43	Resp:	826
Ion	Ratio	Lower	Upper
43	100		
72	26.4	20.6	30.8





#29

Tetrahydrofuran

Concen: 0.433 ug/l

RT: 4.87 min Scan# 653

Delta R.T. -0.25 min

Lab File: VX015202.D

Acq: 11 Mar 2020 15:47

Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#11

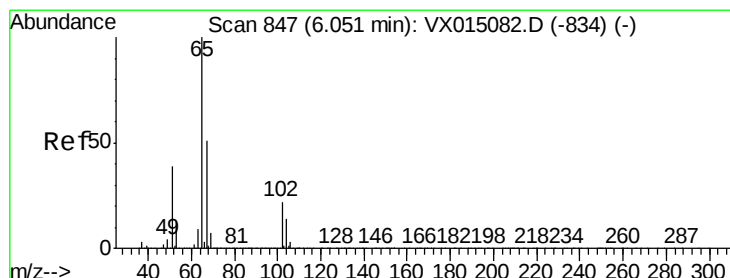
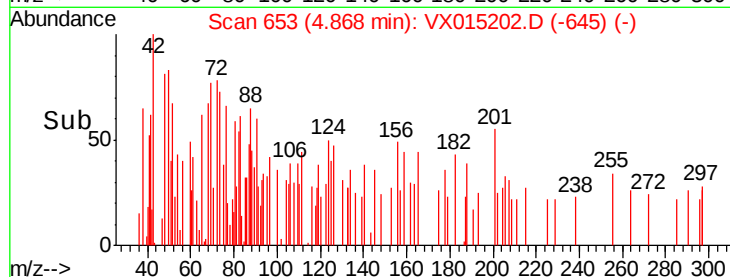
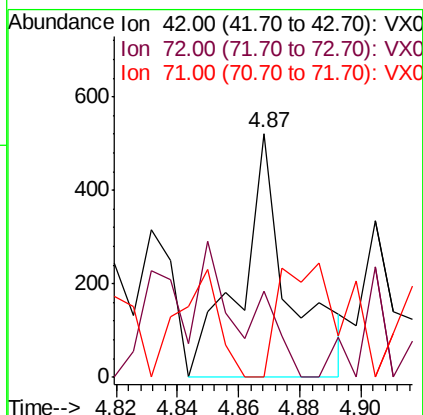
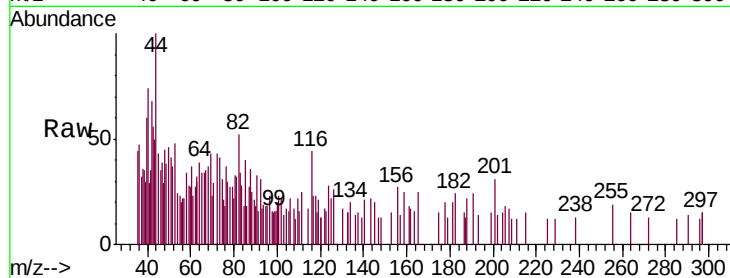
Tgt Ion: 42 Resp: 575

Ion Ratio Lower Upper

42 100

72 49.9 36.4 54.6

71 36.9 33.3 49.9



#33

1,2-Dichloroethane-d4

Concen: 49.063 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX015202.D

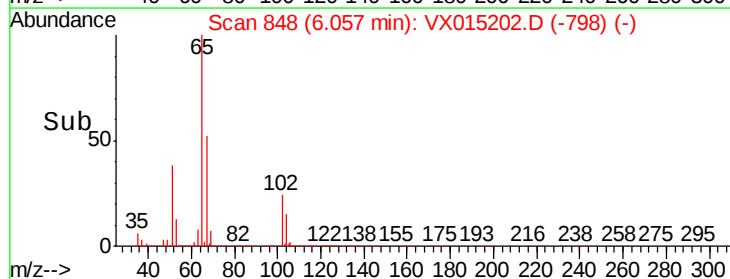
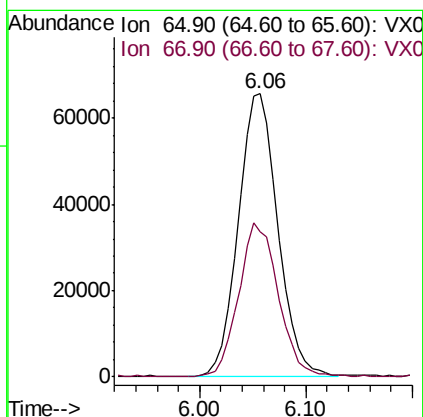
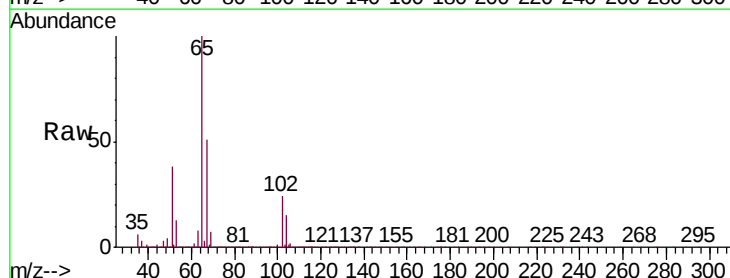
Acq: 11 Mar 2020 15:47

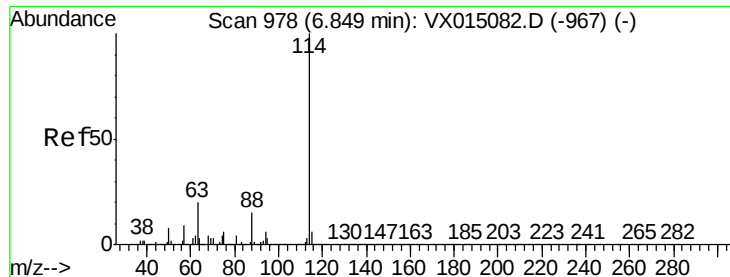
Tgt Ion: 65 Resp: 170624

Ion Ratio Lower Upper

65 100

67 54.4 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX015202.D

Acq: 11 Mar 2020 15:47

Instrument :

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ClientSampleId :

PB127431ZHE#11

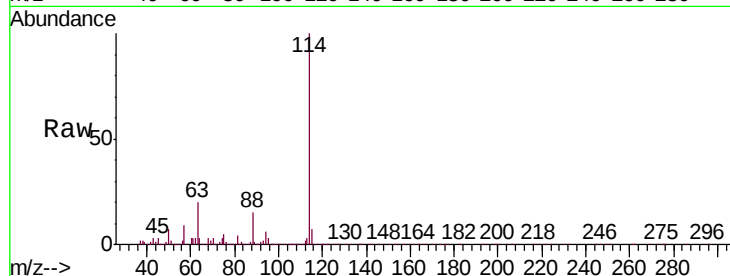
Tgt Ion:114 Resp: 485748

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

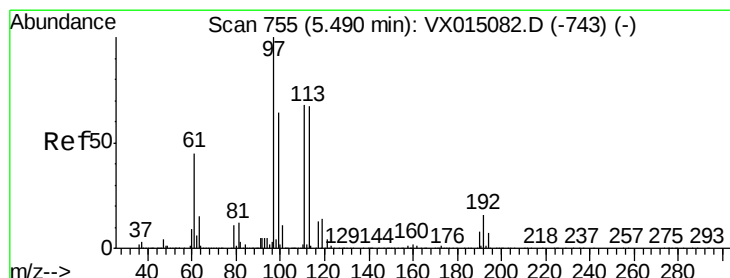
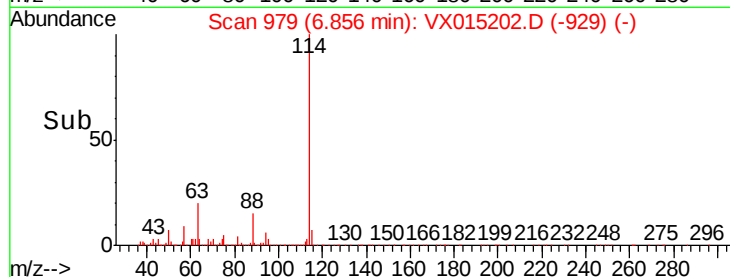
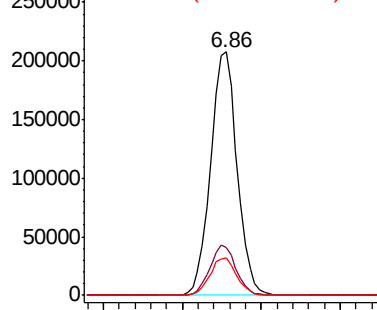
88 15.2 0.0 30.6



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: 49.157 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX015202.D

Acq: 11 Mar 2020 15:47

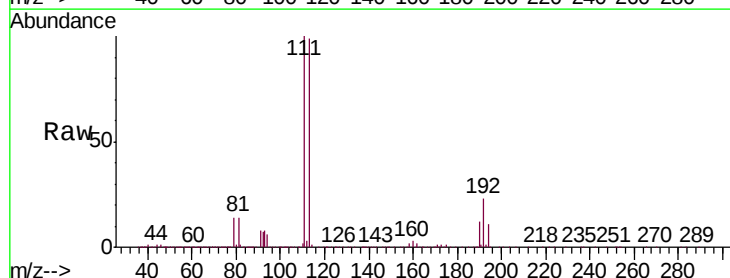
Tgt Ion:113 Resp: 150638

Ion Ratio Lower Upper

113 100

111 101.9 82.6 123.8

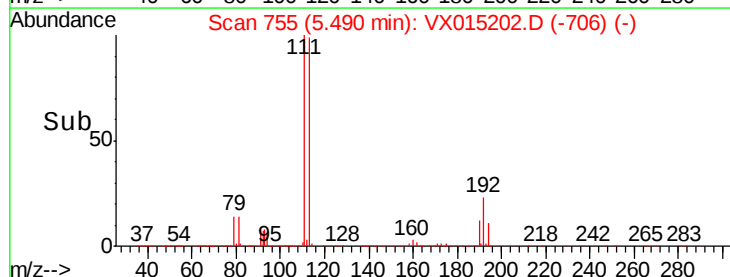
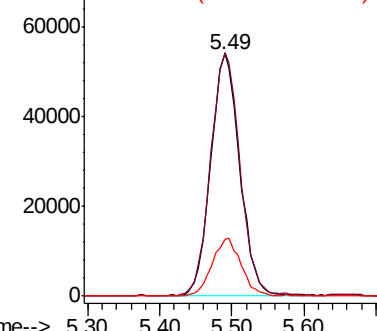
192 24.0 18.6 28.0

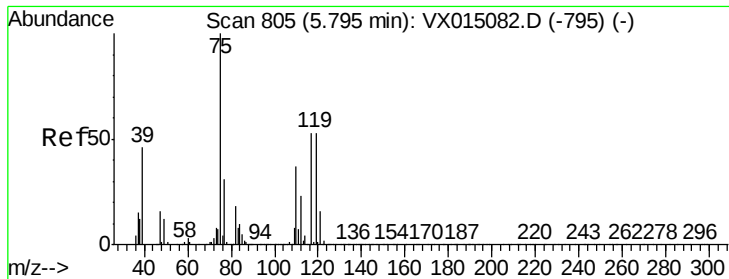


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

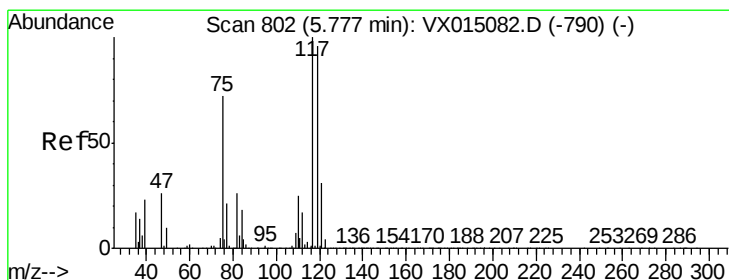
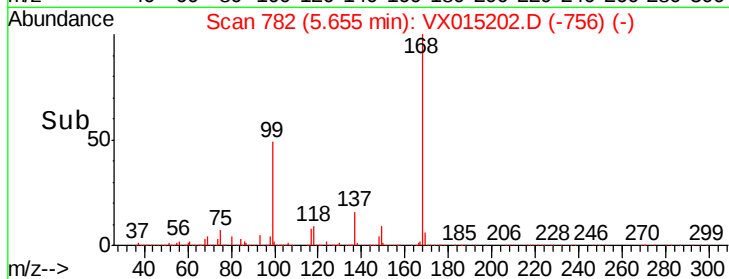
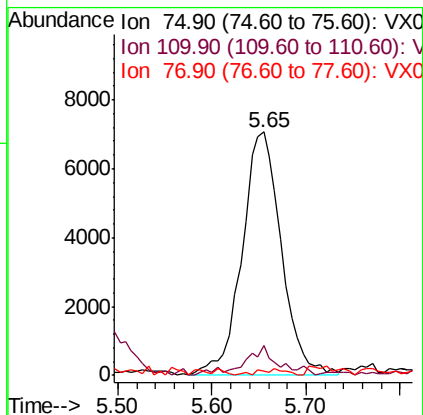
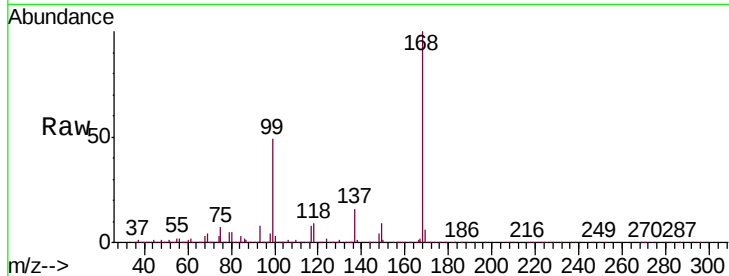




#36
 1,1-Dichloropropene
 Concen: 4.613 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX015202.D
 Acq: 11 Mar 2020 15:47

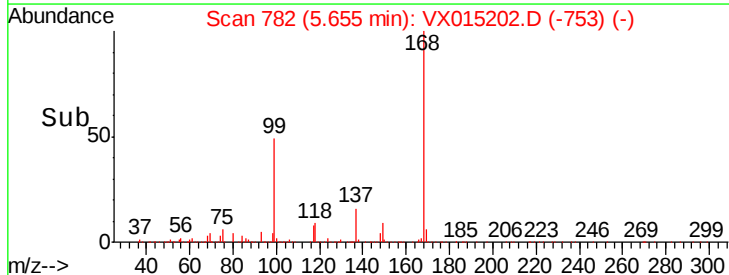
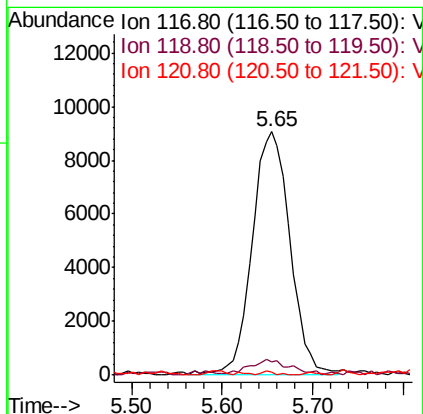
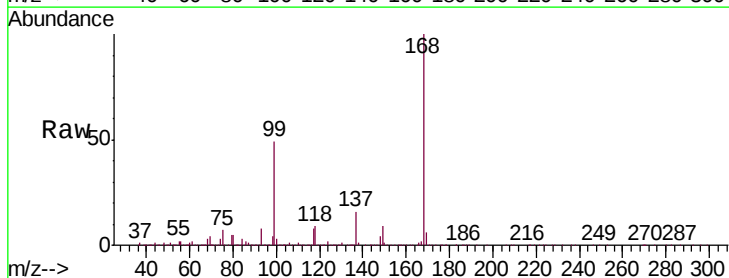
Instrument :
 MSVOA_X
 ClientSampleId :
 PB127431ZHE#11

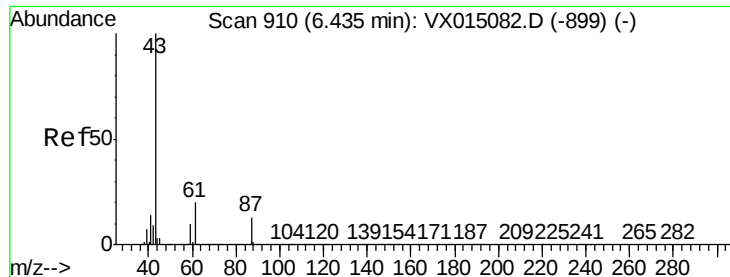
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	17.9	53.8#
77	0.9	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.177 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX015202.D
 Acq: 11 Mar 2020 15:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.9	115.3#
121	1.1	24.6	37.0#





#43

Isopropyl Acetate

Concen: 11.172 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX015202.D

Acq: 11 Mar 2020 15:47

Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#11

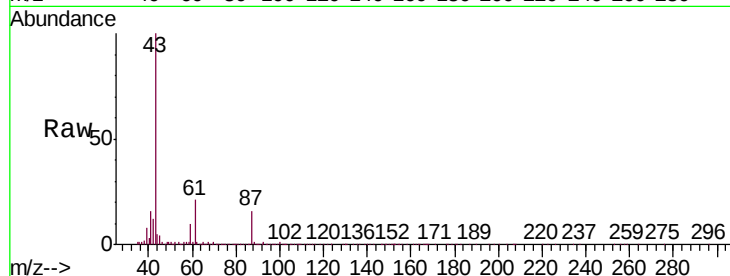
Tgt Ion: 43 Resp: 81868

Ion Ratio Lower Upper

43 100

61 20.6 16.1 24.1

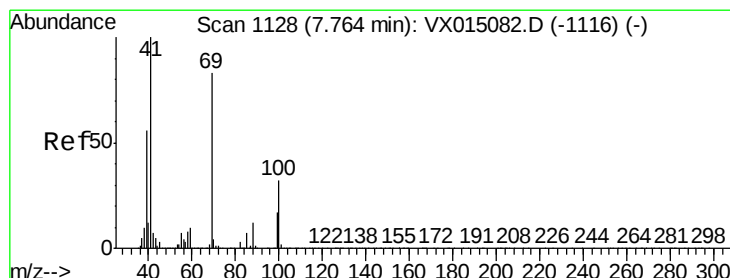
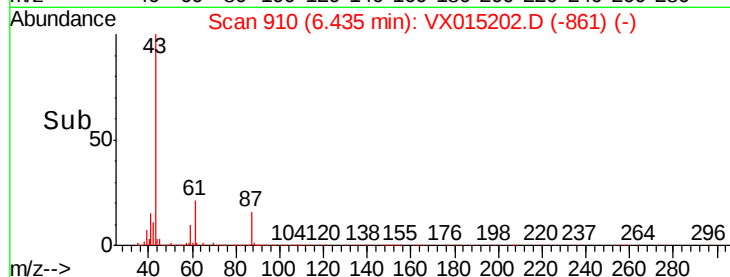
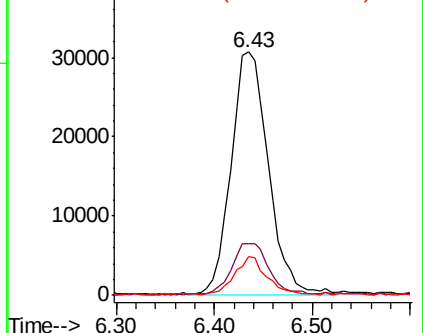
87 13.9 10.6 16.0



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: 36.109 ug/l

RT: 7.87 min Scan# 1145

Delta R.T. 0.10 min

Lab File: VX015202.D

Acq: 11 Mar 2020 15:47

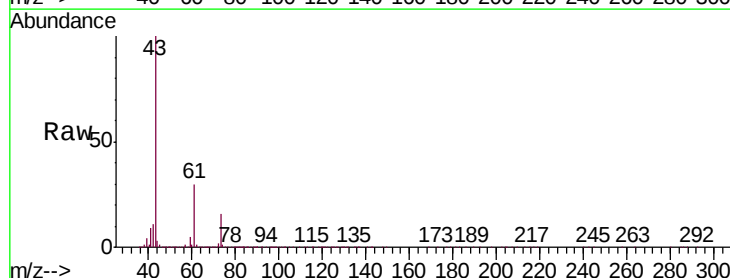
Tgt Ion: 41 Resp: 134671

Ion Ratio Lower Upper

41 100

69 0.4 65.4 98.2#

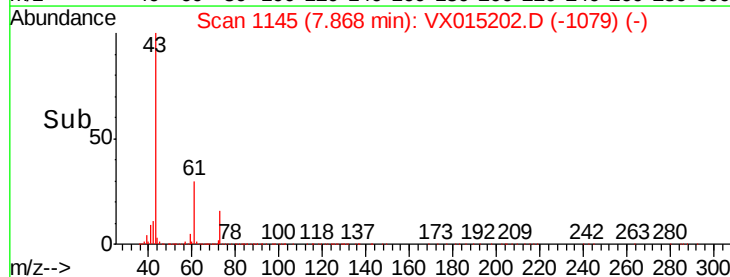
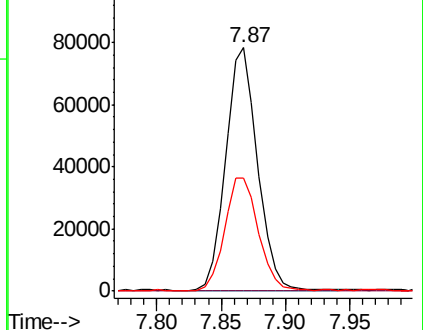
39 49.2 44.6 67.0

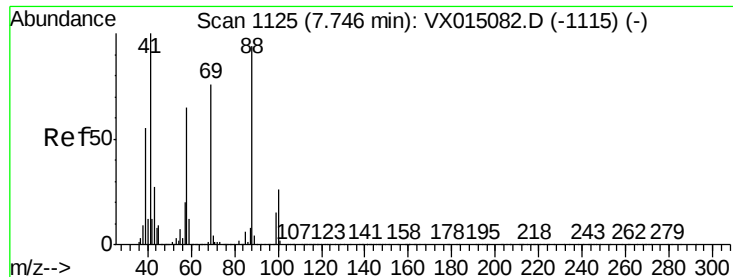


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

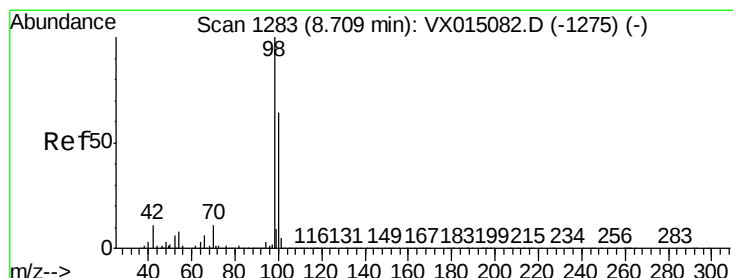
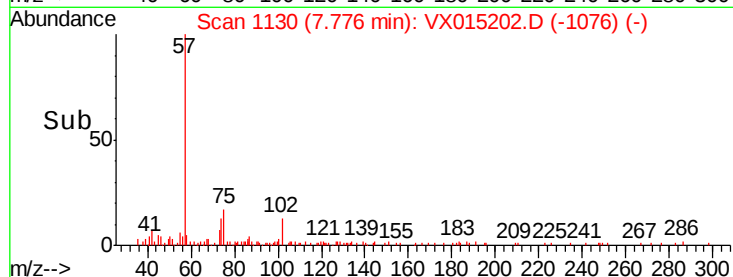
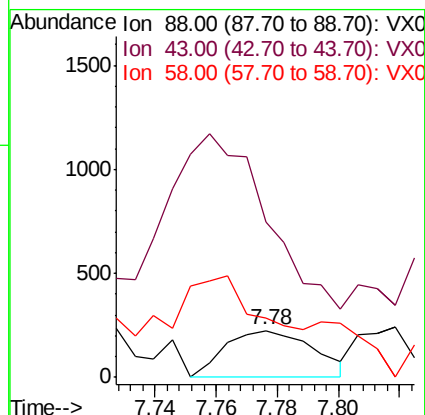
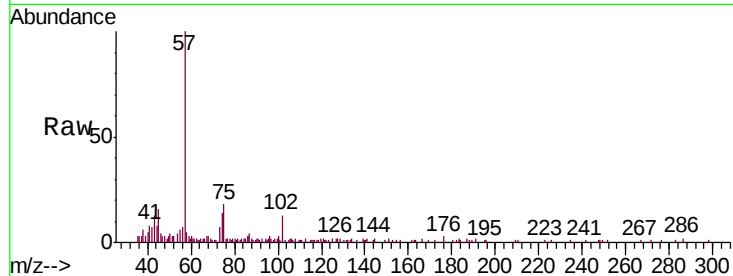




#49
1,4-Dioxane
Concen: 5.568 ug/l
RT: 7.78 min Scan# 1130
Delta R.T. 0.03 min
Lab File: VX015202.D
Acq: 11 Mar 2020 15:47

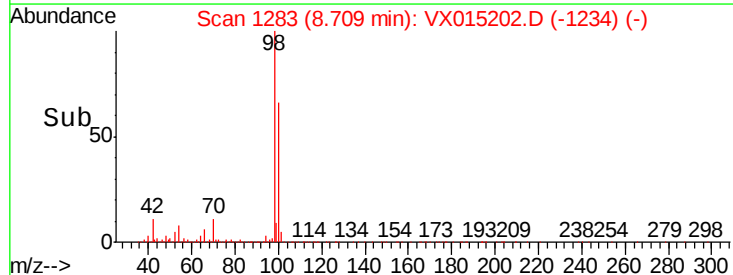
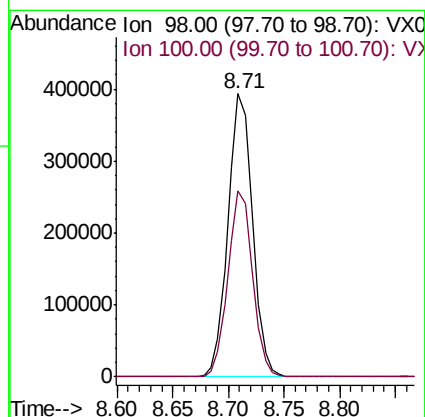
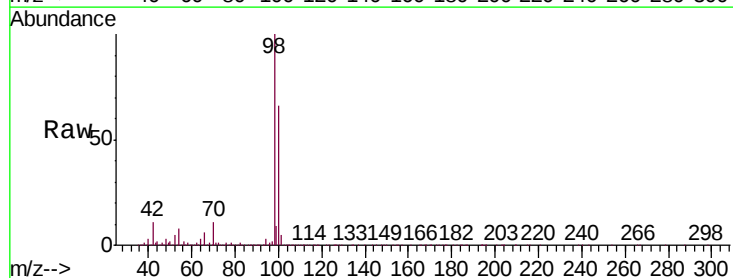
Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#11

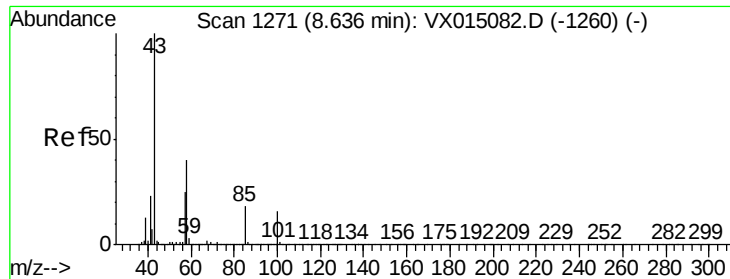
Tgt Ion: 88 Resp: 449
Ion Ratio Lower Upper
88 100
43 0.0 27.0 40.4#
58 103.8 55.6 83.4#



#50
Toluene-d8
Concen: 51.788 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX015202.D
Acq: 11 Mar 2020 15:47

Tgt Ion: 98 Resp: 603679
Ion Ratio Lower Upper
98 100
100 65.8 52.4 78.6

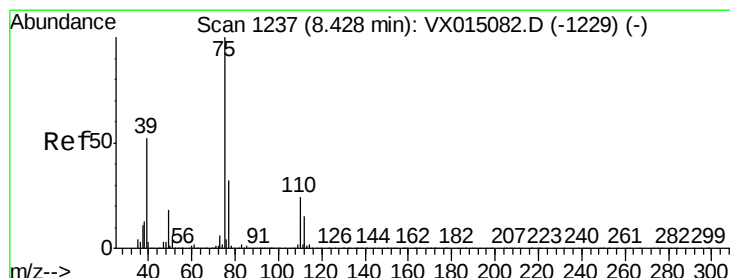
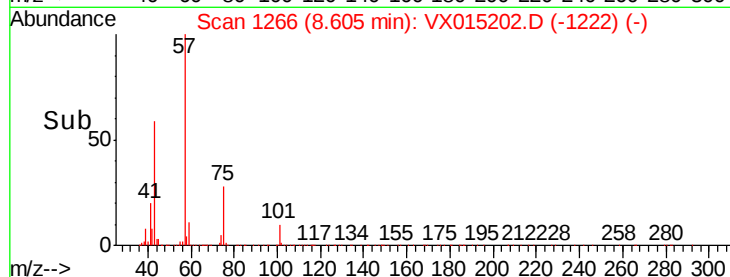
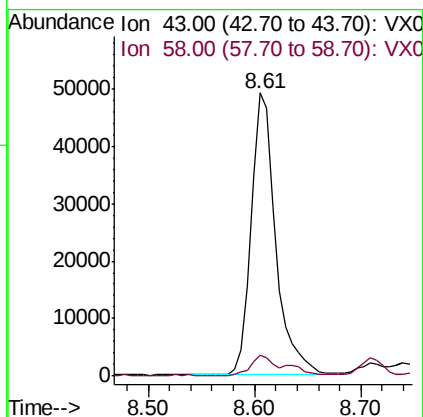
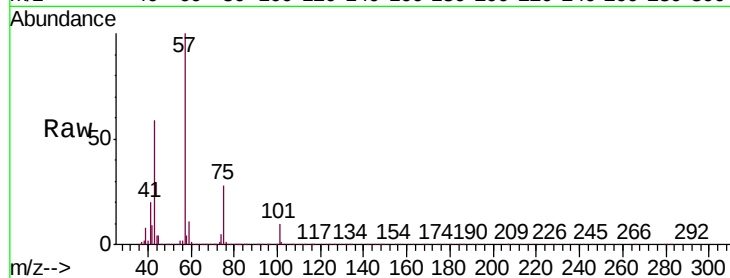




#51
4-Methyl-2-Pentanone
Concen: 18.381 ug/l
RT: 8.61 min Scan# 1266
Delta R.T. -0.03 min
Lab File: VX015202.D
Acq: 11 Mar 2020 15:47

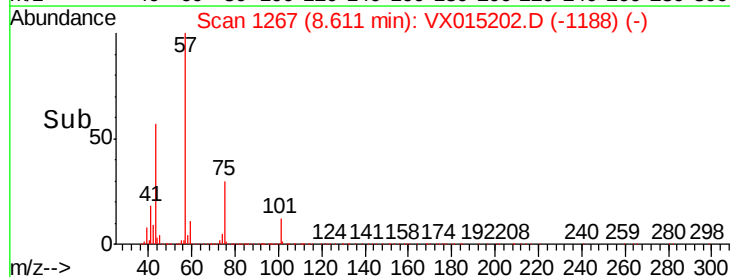
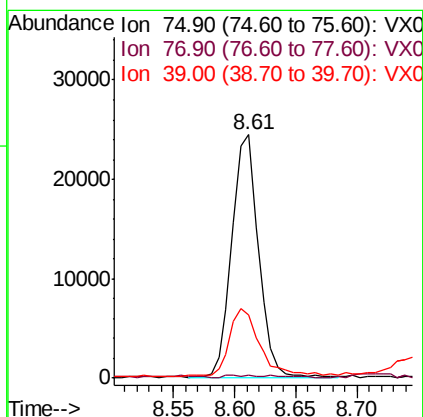
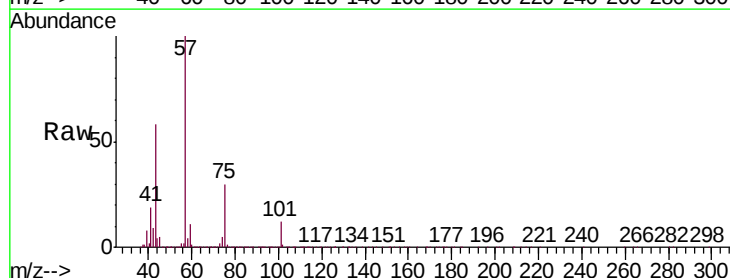
Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#11

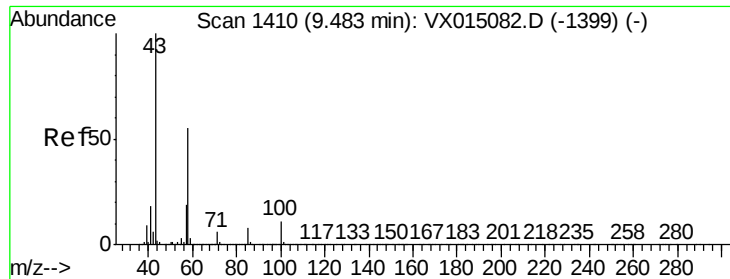
Tgt Ion: 43 Resp: 79636
Ion Ratio Lower Upper
43 100
58 6.4 31.6 47.4#



#54
cis-1,3-Dichloropropene
Concen: 6.869 ug/l
RT: 8.61 min Scan# 1267
Delta R.T. 0.18 min
Lab File: VX015202.D
Acq: 11 Mar 2020 15:47

Tgt Ion: 75 Resp: 36729
Ion Ratio Lower Upper
75 100
77 0.7 25.8 38.6#
39 25.0 41.3 61.9#

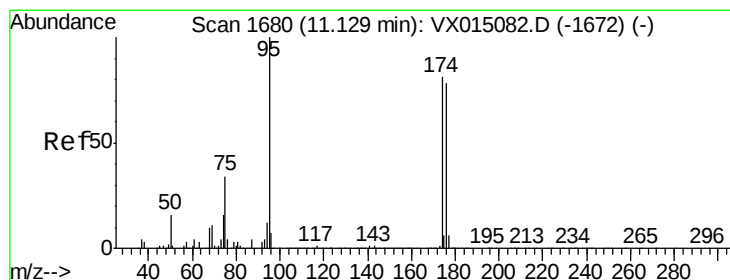
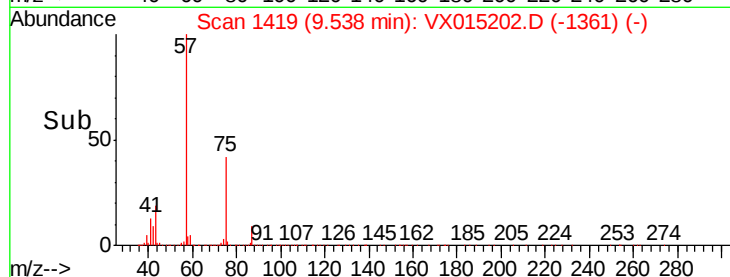
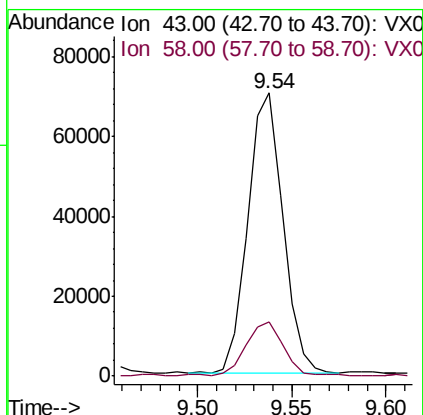
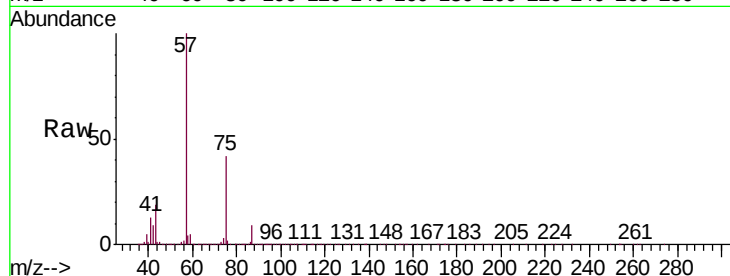




#59
2-Hexanone
Concen: 28.351 ug/l
RT: 9.54 min Scan# 1419
Delta R.T. 0.05 min
Lab File: VX015202.D
Acq: 11 Mar 2020 15:47

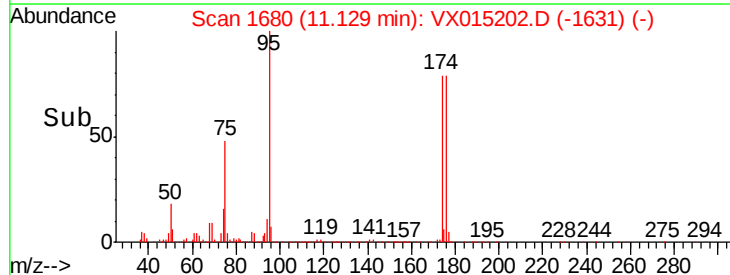
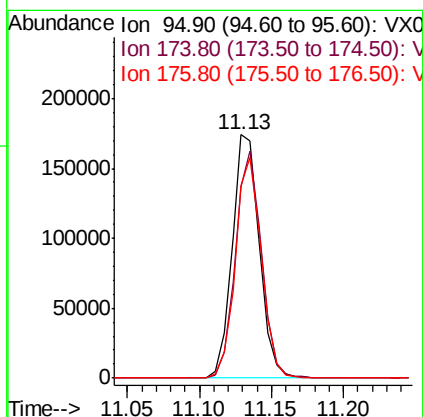
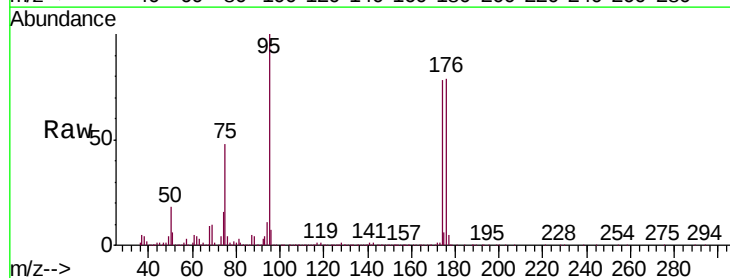
Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#11

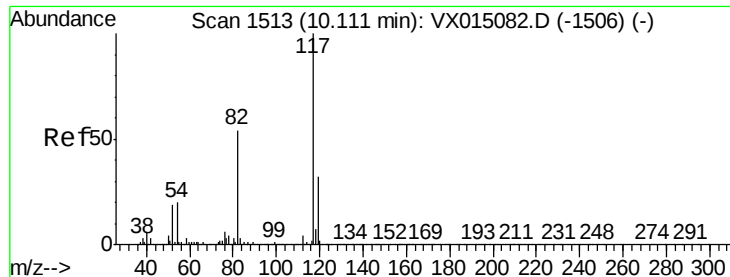
Tgt Ion: 43 Resp: 91043
Ion Ratio Lower Upper
43 100
58 20.7 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 55.302 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX015202.D
Acq: 11 Mar 2020 15:47

Tgt Ion: 95 Resp: 229936
Ion Ratio Lower Upper
95 100
174 89.5 0.0 177.6
176 87.0 0.0 170.2

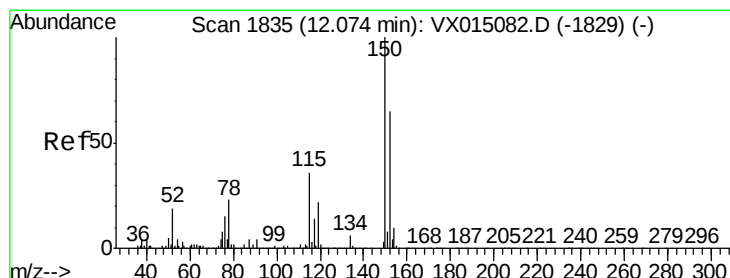
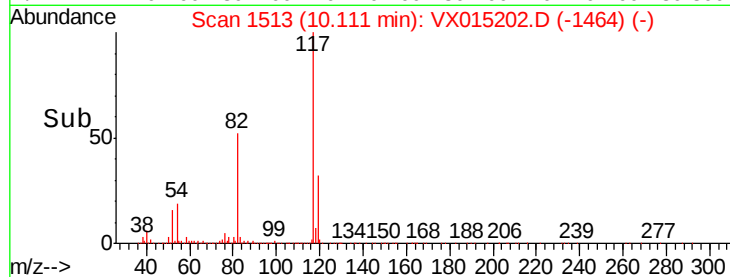
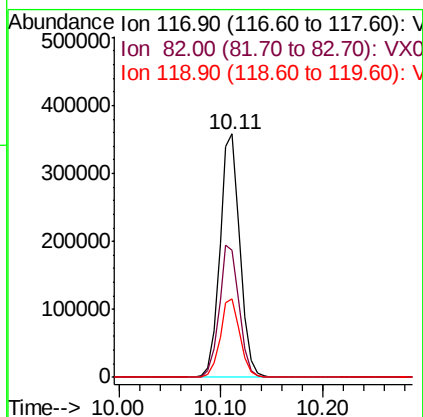
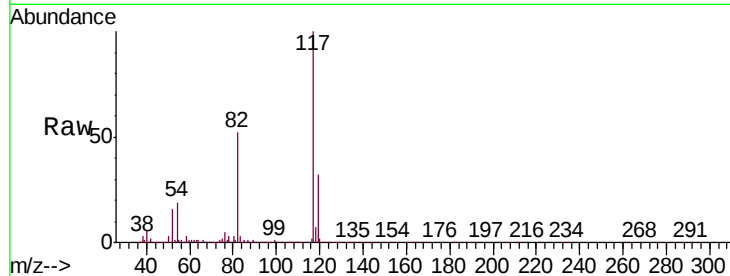




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX015202.D
Acq: 11 Mar 2020 15:47

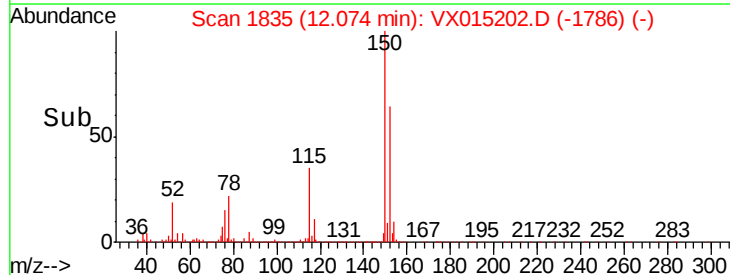
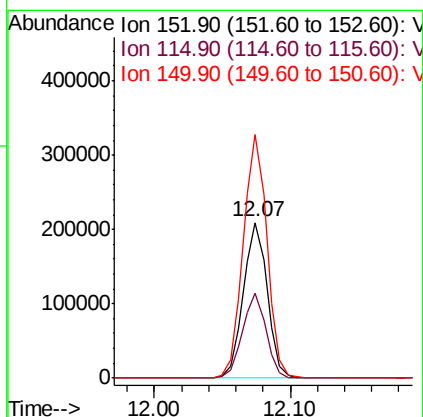
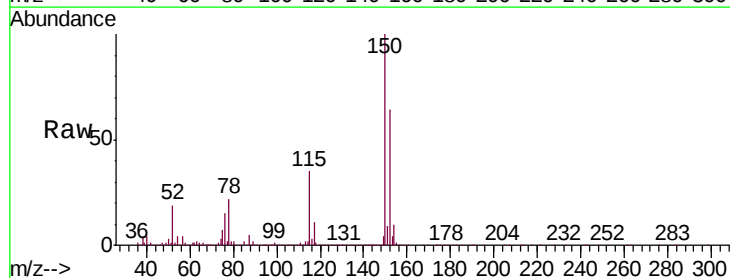
Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#11

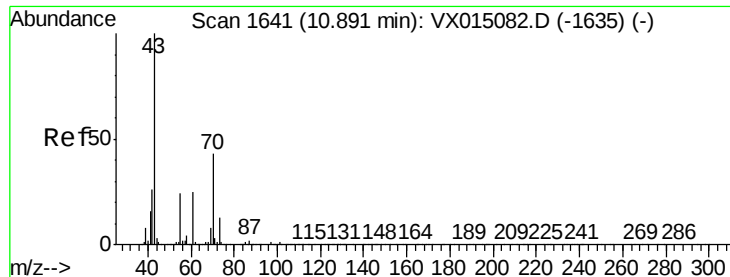
Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.2	43.3	64.9
119	32.1	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX015202.D
Acq: 11 Mar 2020 15:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.9	38.2	114.6
150	155.8	0.0	343.8





#74

N-ethyl acetate

Concen: 0.496 ug/l

RT: 10.82 min Scan# 1629

Delta R.T. -0.07 min

Lab File: VX015202.D

Acq: 11 Mar 2020 15:47

Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#11

Tgt Ion: 43 Resp: 3416

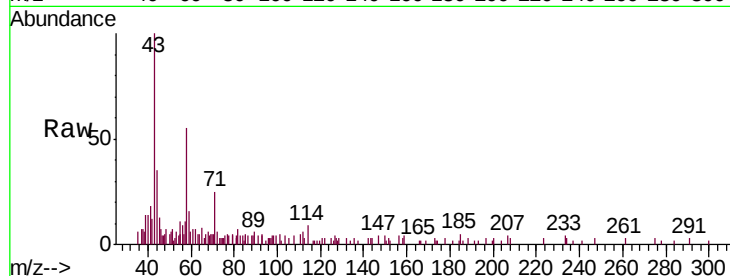
Ion Ratio Lower Upper

43 100

70 12.0 34.7 52.1#

55 20.7 19.4 29.0

61 0.0 19.0 28.6#

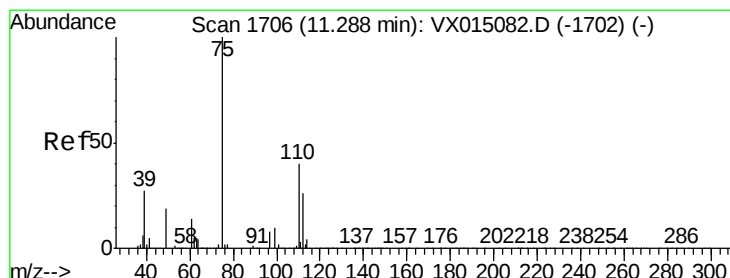
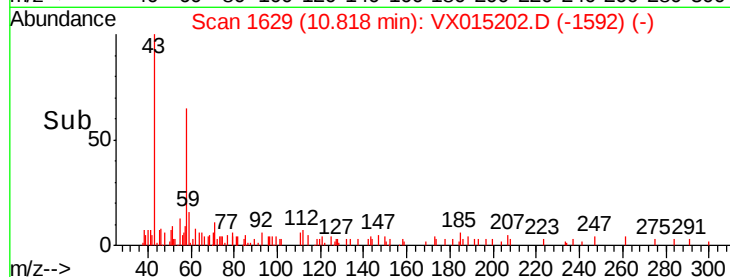
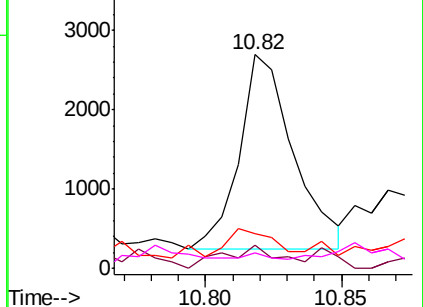


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.180 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015202.D

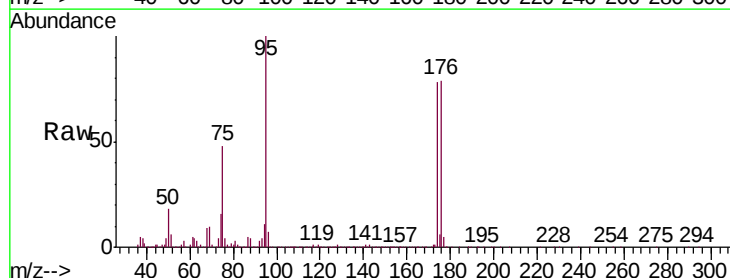
Acq: 11 Mar 2020 15:47

Tgt Ion: 75 Resp: 108150

Ion Ratio Lower Upper

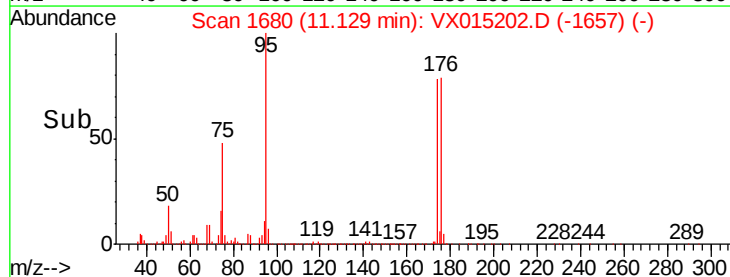
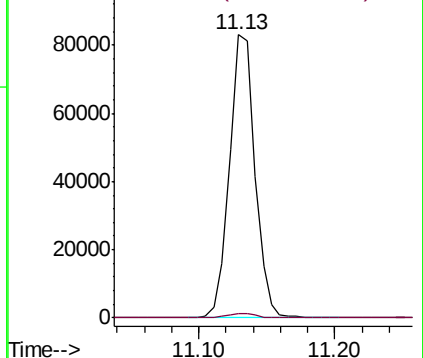
75 100

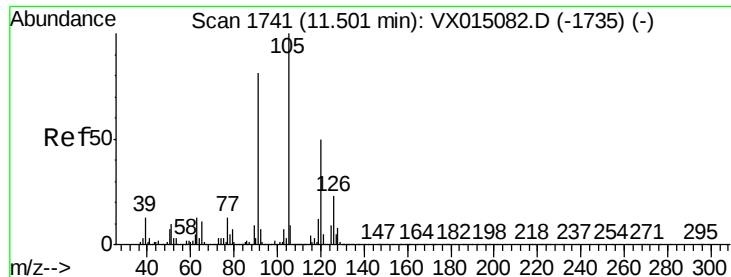
77 1.9 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

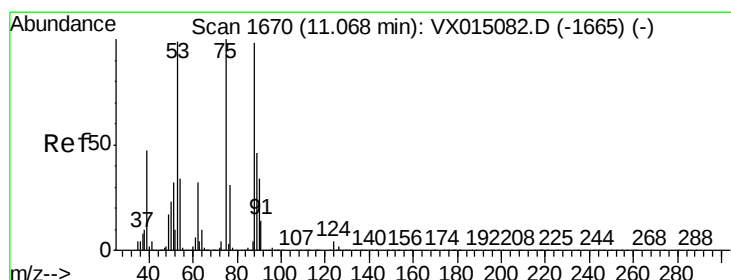
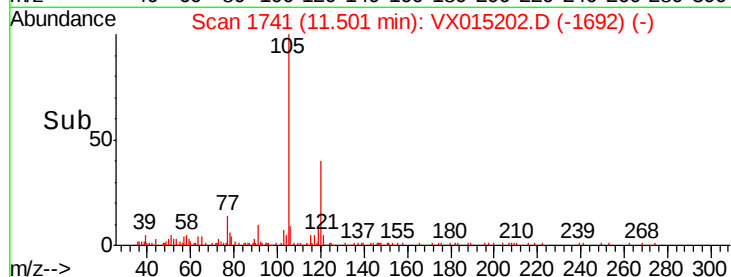
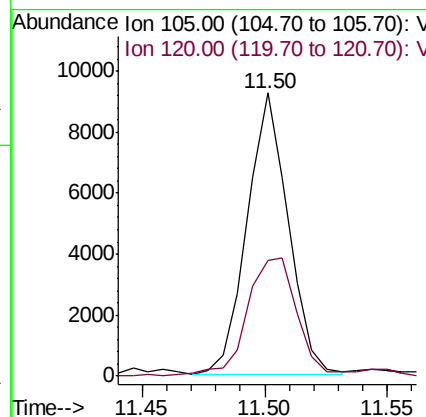
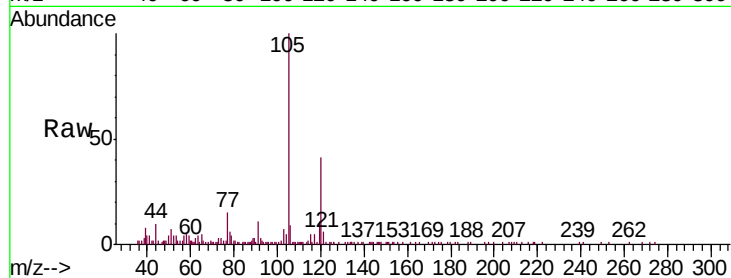




#80
 1,3,5-Trimethylbenzene
 Concen: 0.789 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX015202.D
 Acq: 11 Mar 2020 15:47

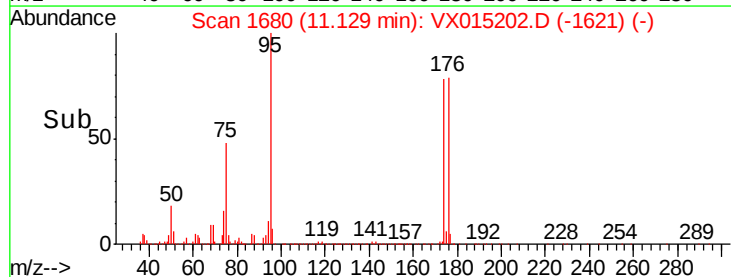
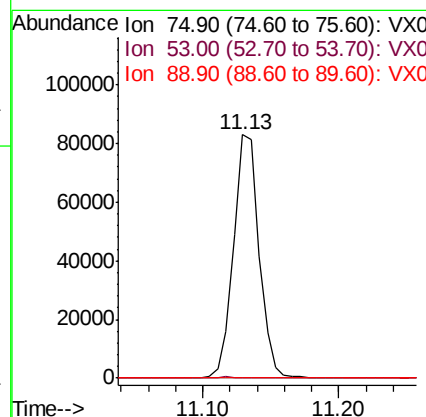
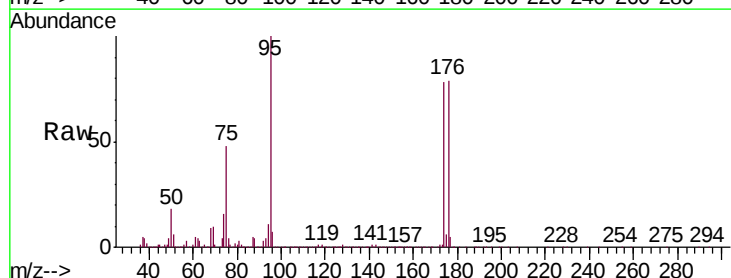
Instrument :
 MSVOA_X
 ClientSampleId :
 PB127431ZHE#11

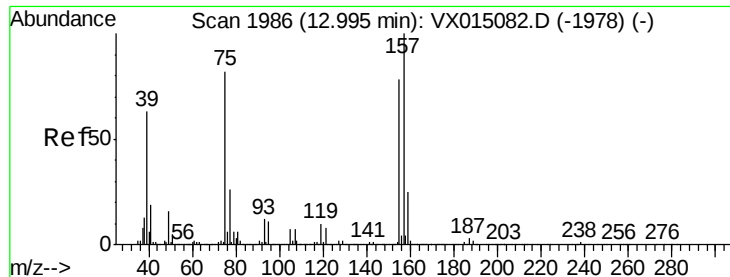
Tgt Ion: 105 Resp: 10739
 Ion Ratio Lower Upper
 105 100
 120 51.4 25.1 75.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.109 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX015202.D
 Acq: 11 Mar 2020 15:47

Tgt Ion: 75 Resp: 108150
 Ion Ratio Lower Upper
 75 100
 53 0.4 77.9 116.9#
 89 0.2 36.2 54.2#

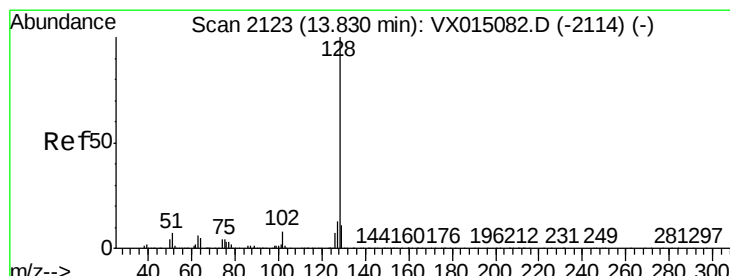
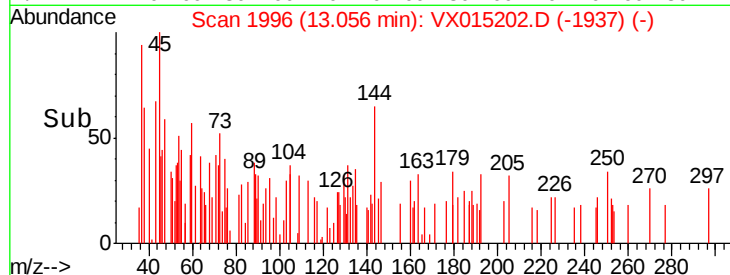
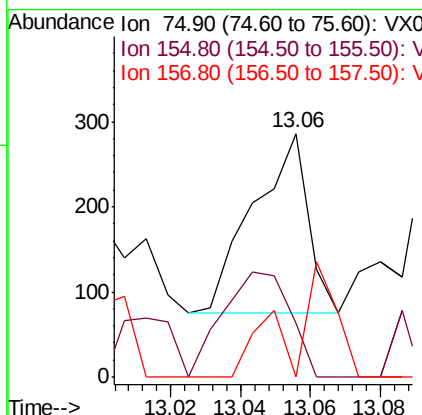
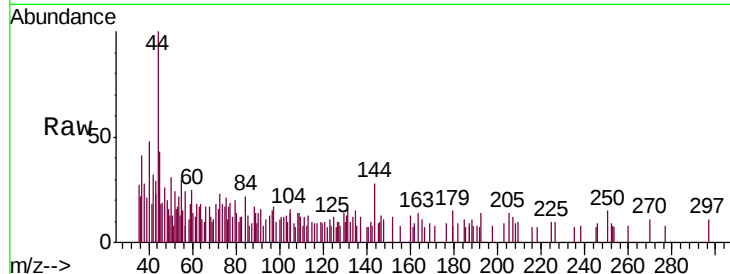




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.211 ug/l
 RT: 13.06 min Scan# 1996
 Delta R.T. 0.06 min
 Lab File: VX015202.D
 Acq: 11 Mar 2020 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 PB127431ZHE#11

Tgt Ion: 75 Resp: 230
 Ion Ratio Lower Upper
 75 100
 155 71.7 46.6 139.7
 157 53.9 59.2 177.5#



#95
 Naphthalene
 Concen: 1.452 ug/l
 RT: 13.84 min Scan# 2124
 Delta R.T. 0.01 min
 Lab File: VX015202.D
 Acq: 11 Mar 2020 15:47

Tgt Ion: 128 Resp: 561
 Ion Ratio Lower Upper
 128 100
 127 38.7 10.3 15.5#
 129 29.1 8.6 13.0#

