

Data File : VX015195.D
Acq On : 11 Mar 2020 13:08
Operator : JC/SP
Sample : PB127431ZHE#04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#04

Quant Time: Mar 12 05:46:18 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	305395	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	522543	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	520166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	250580	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	196524	54.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.48%	
35) Dibromofluoromethane	5.50	113	163762	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
50) Toluene-d8	8.71	98	645418	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
62) 4-Bromofluorobenzene	11.14	95	237315	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	

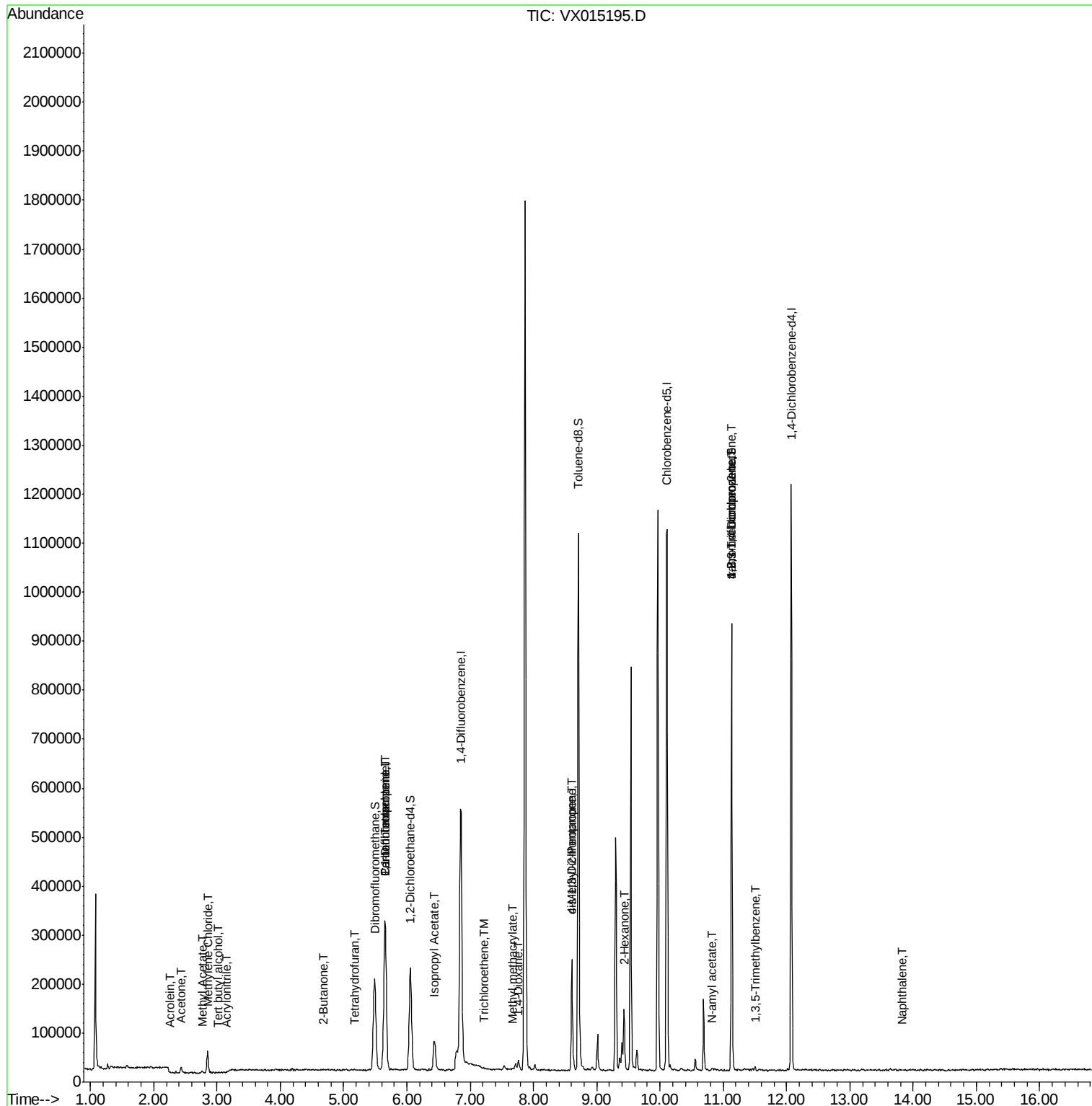
Target Compounds						Qvalue
11) Tert butyl alcohol	3.02	59	500	0.795	ug/l #	1
13) Acrolein	2.27	56	616	1.043	ug/l #	15
15) Acrylonitrile	3.14	53	976	0.623	ug/l #	28
16) Acetone	2.43	43	13161	8.970	ug/l #	87
18) Methyl Acetate	2.76	43	3543	0.988	ug/l	98
20) Methylene Chloride	2.85	84	19269	5.611	ug/l	97
25) 2-Butanone	4.68	43	3164	1.473	ug/l #	89
29) Tetrahydrofuran	5.18	42	476	0.344	ug/l	93
36) 1,1-Dichloropropene	5.65	75	22079	4.571	ug/l #	53
38) Carbon Tetrachloride	5.65	117	27707	6.076	ug/l #	16
43) Isopropyl Acetate	6.43	43	82987	10.527	ug/l	100
44) Trichloroethene	7.21	130	1277	0.320	ug/l	42
48) Methyl methacrylate	7.67	41	4916	1.225	ug/l #	14
49) 1,4-Dioxane	7.75	88	200	2.306	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	80041	17.173	ug/l #	45
54) cis-1,3-Dichloropropene	8.61	75	37385	6.500	ug/l #	60
59) 2-Hexanone	9.43	43	99063	28.676	ug/l #	24
74) N-amyl acetate	10.82	43	4152	0.615	ug/l #	50
76) 1,2,3-Trichloropropane	11.13	75	118629	23.734	ug/l #	33
80) 1,3,5-Trimethylbenzene	11.50	105	3132	0.235	ug/l #	60
81) trans-1,4-Dichloro-2-buten	11.13	75	118629	67.357	ug/l #	11
95) Naphthalene	13.83	128	806	1.467	ug/l #	69

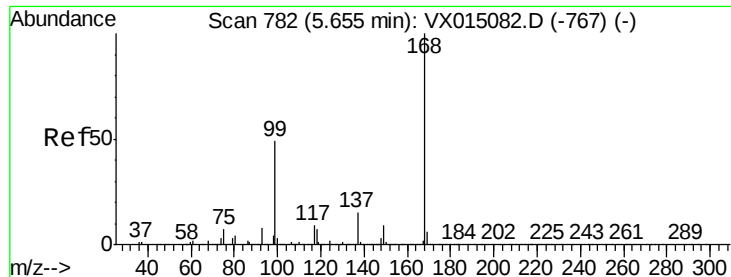
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX015195.D

Acq: 11 Mar 2020 13:08

Instrument :

MSVOA_X

ClientSampleId :

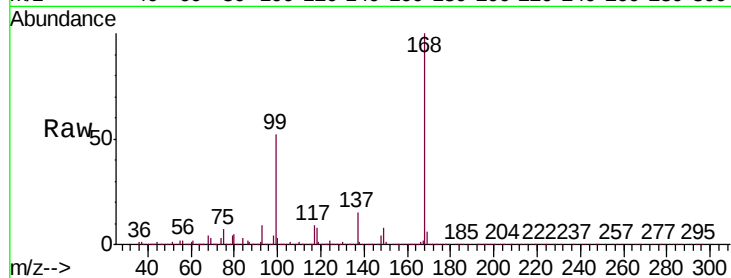
PB127431ZHE#04

Tgt Ion:168 Resp: 305395

Ion Ratio Lower Upper

168 100

99 52.0 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

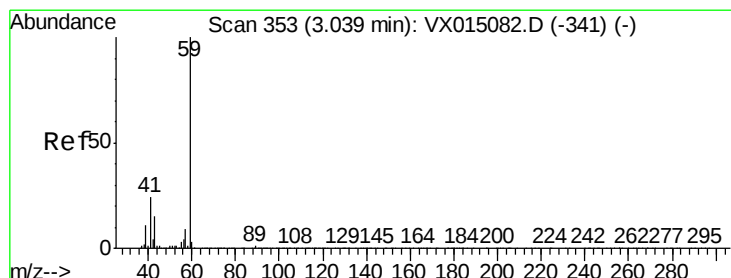
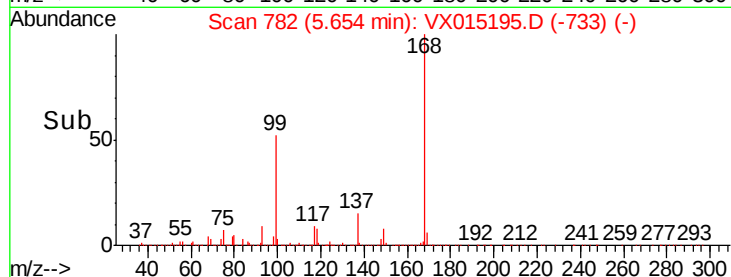
60000

40000

20000

0

Time--> 5.50 5.60 5.70



#11

Tert butyl alcohol

Concen: 0.795 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.02 min

Lab File: VX015195.D

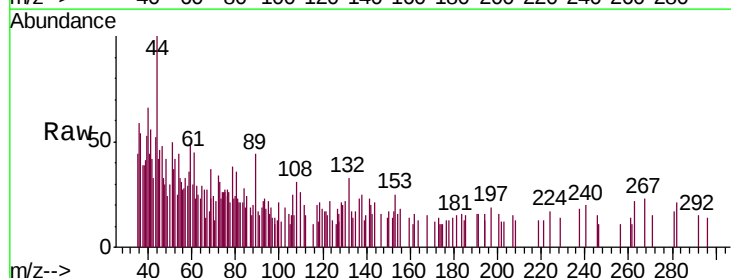
Acq: 11 Mar 2020 13:08

Tgt Ion: 59 Resp: 500

Ion Ratio Lower Upper

59 100

57 94.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.02

400

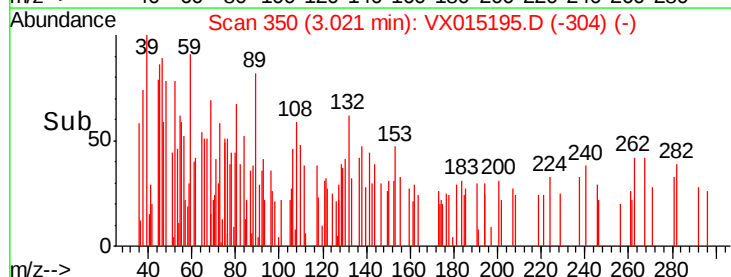
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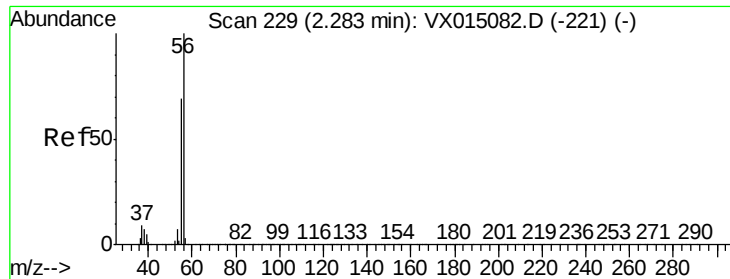
200

100

0

Time--> 3.00 3.02 3.04

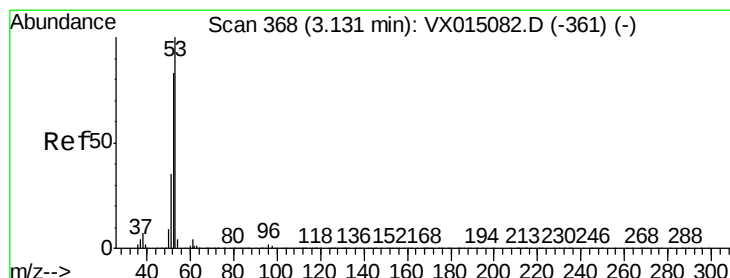
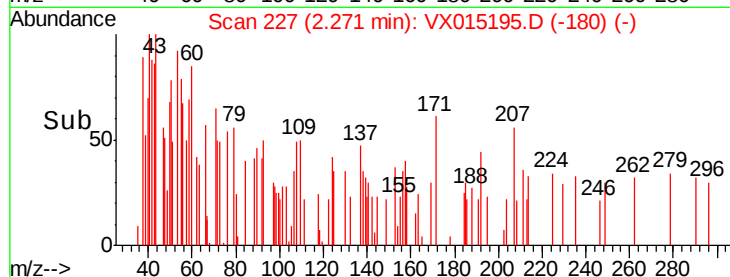
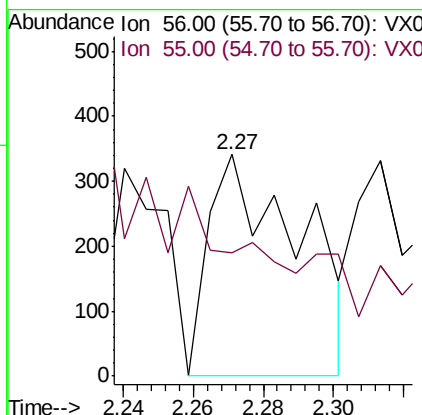
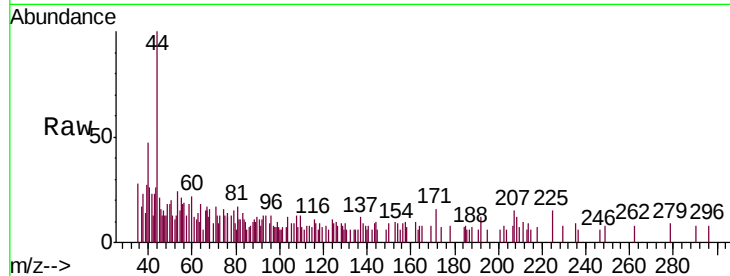




#13
Acrolein
Concen: 1.043 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.01 min
Lab File: VX015195.D
Acq: 11 Mar 2020 13:08

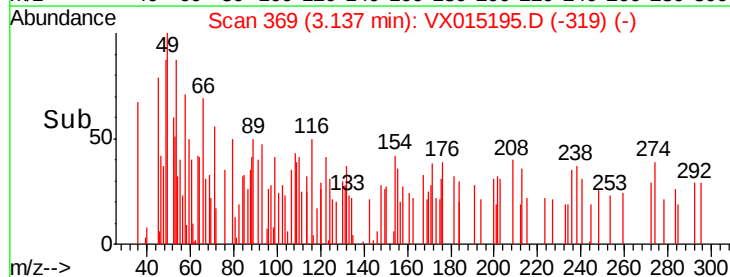
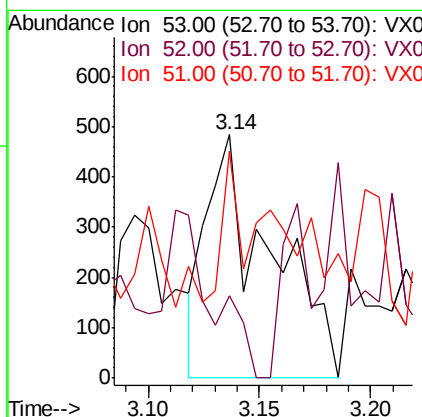
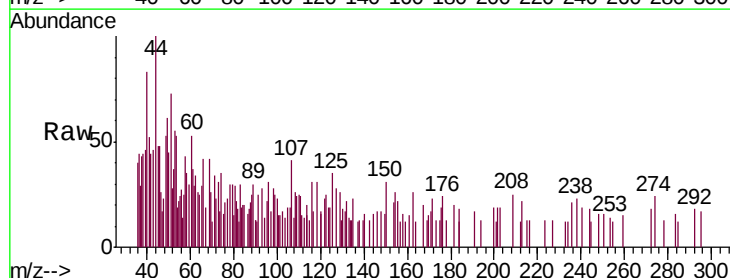
Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#04

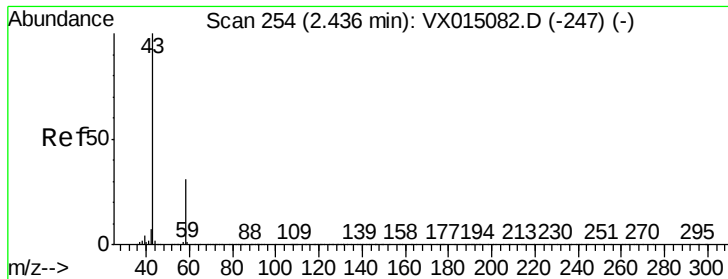
Tgt Ion: 56 Resp: 616
Ion Ratio Lower Upper
56 100
55 0.0 55.4 83.0#



#15
Acrylonitrile
Concen: 0.623 ug/l
RT: 3.14 min Scan# 369
Delta R.T. 0.01 min
Lab File: VX015195.D
Acq: 11 Mar 2020 13:08

Tgt Ion: 53 Resp: 976
Ion Ratio Lower Upper
53 100
52 0.0 66.6 100.0#
51 20.5 29.0 43.6#

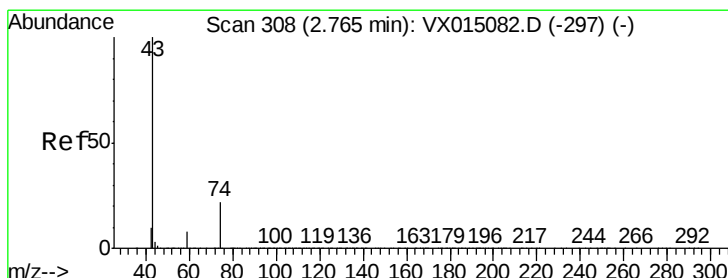
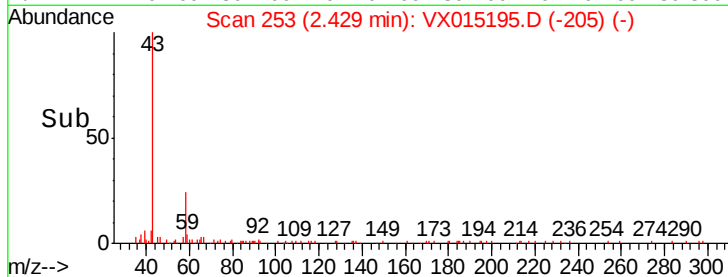
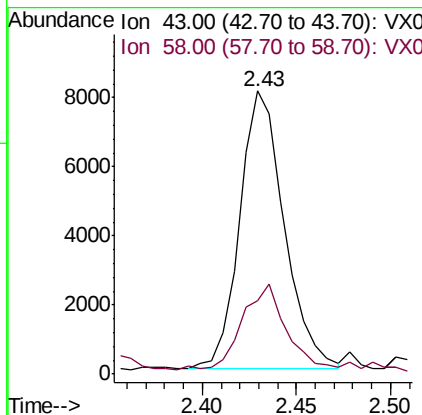
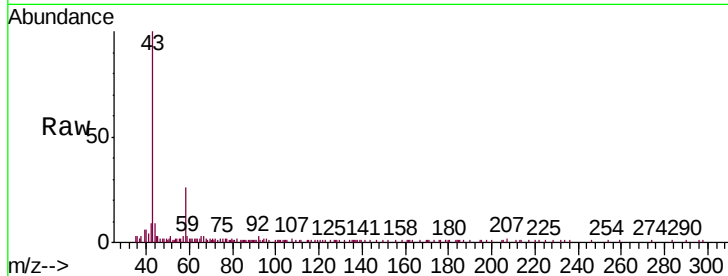




#16
Acetone
Concen: 8.970 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX015195.D
Acq: 11 Mar 2020 13:08

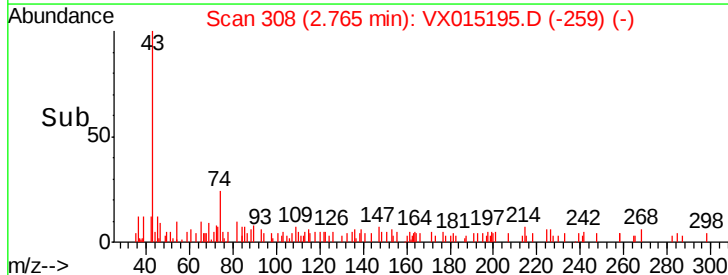
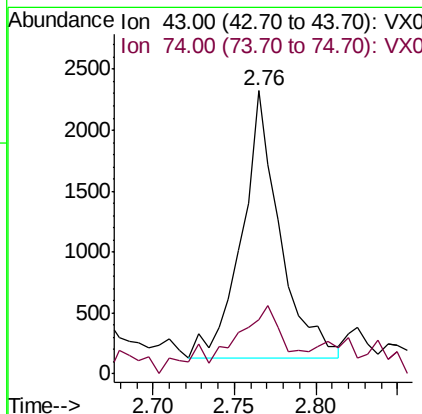
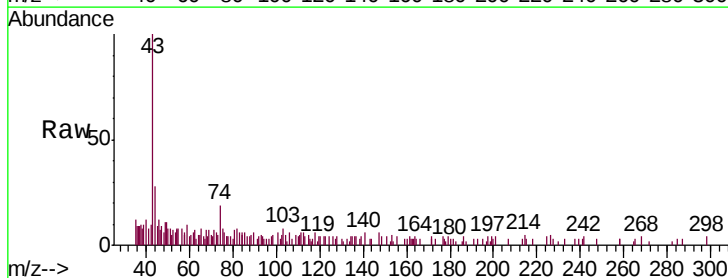
Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#04

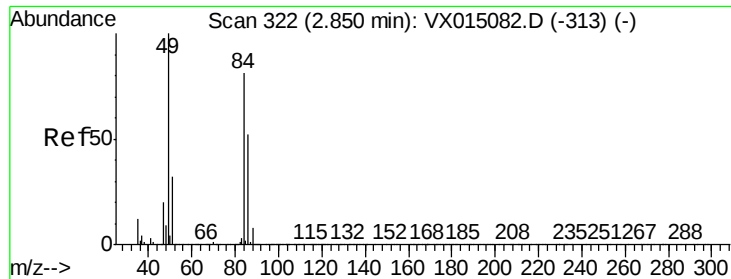
Tgt Ion: 43 Resp: 13161
Ion Ratio Lower Upper
43 100
58 23.9 24.8 37.2#



#18
Methyl Acetate
Concen: 0.988 ug/l
RT: 2.76 min Scan# 308
Delta R.T. -0.00 min
Lab File: VX015195.D
Acq: 11 Mar 2020 13:08

Tgt Ion: 43 Resp: 3543
Ion Ratio Lower Upper
43 100
74 22.7 18.8 28.2

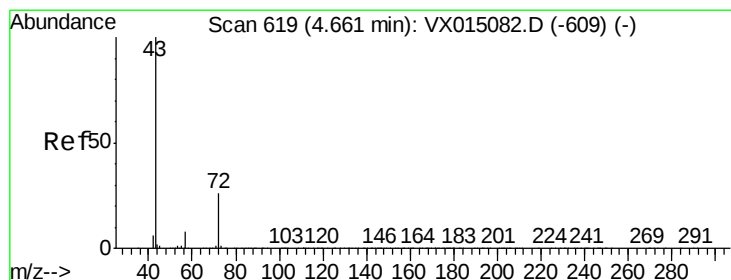
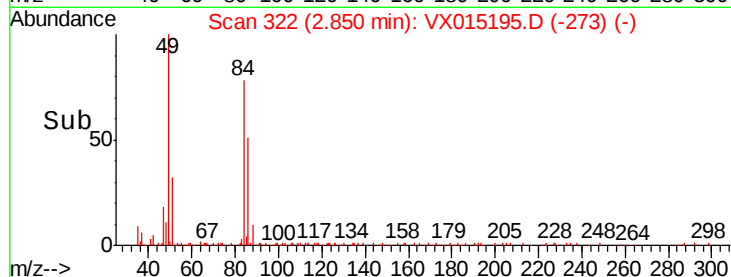
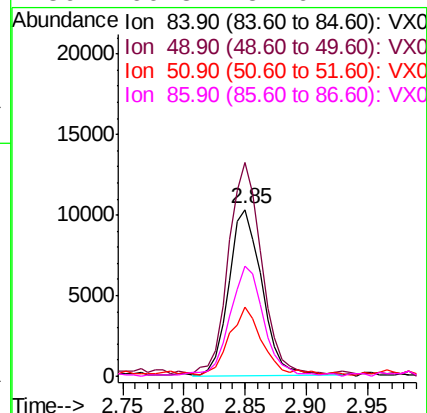
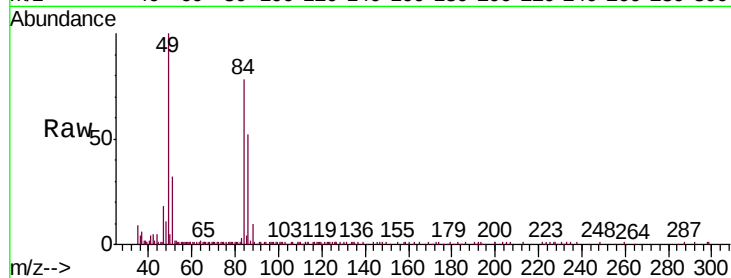




#20
Methylene Chloride
Concen: 5.611 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX015195.D
Acq: 11 Mar 2020 13:08

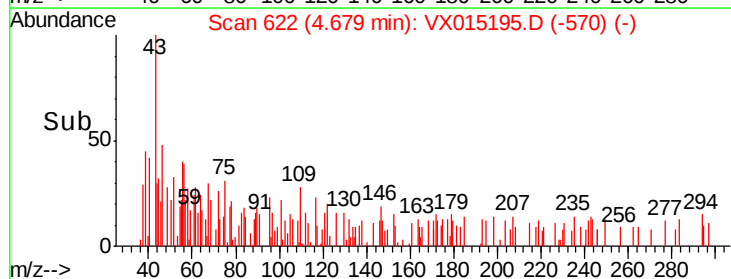
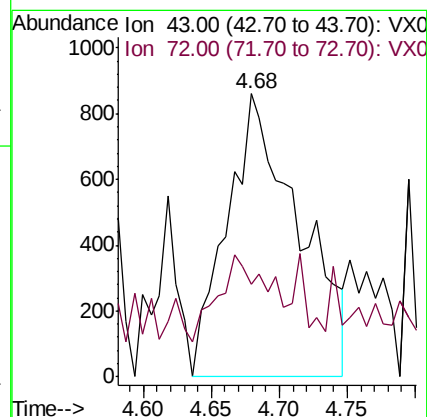
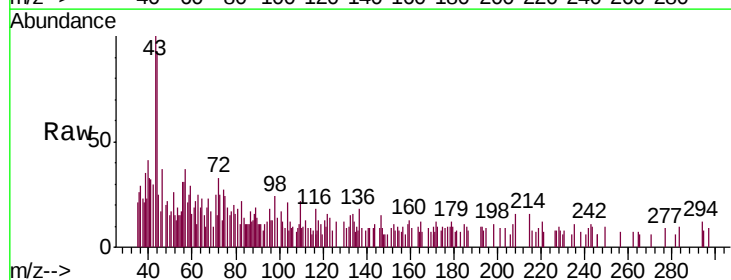
Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#04

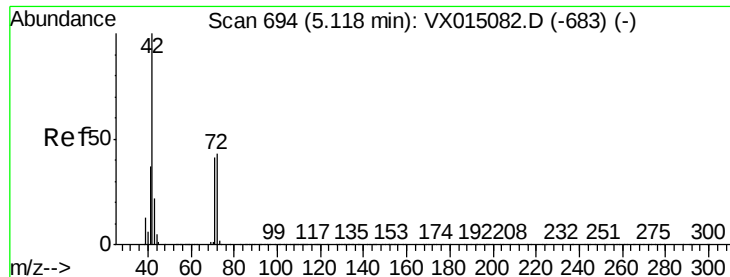
Tgt Ion:	84	Resp:	19269
Ion	Ratio	Lower	Upper
84	100		
49	127.3	99.4	149.2
51	40.5	31.5	47.3
86	66.8	51.6	77.4



#25
2-Butanone
Concen: 1.473 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX015195.D
Acq: 11 Mar 2020 13:08

Tgt Ion:	43	Resp:	3164
Ion	Ratio	Lower	Upper
43	100		
72	20.2	20.6	30.8#





#29

Tetrahydrofuran

Concen: 0.344 ug/l

RT: 5.18 min Scan# 704

Delta R.T. 0.06 min

Lab File: VX015195.D

Acq: 11 Mar 2020 13:08

Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#04

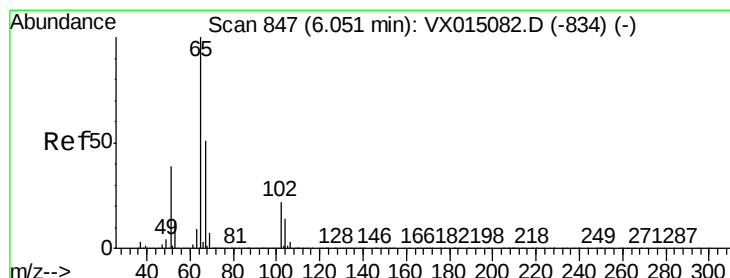
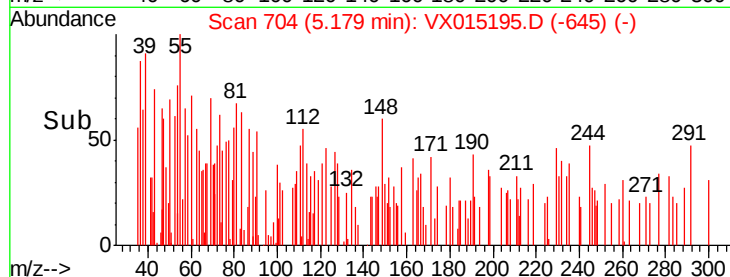
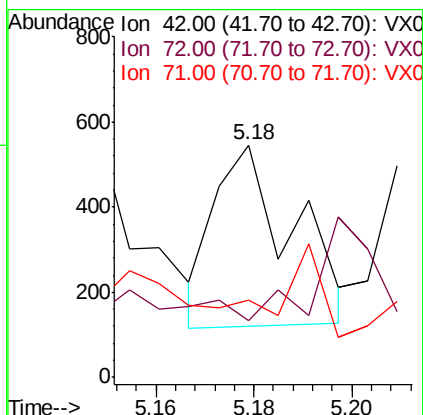
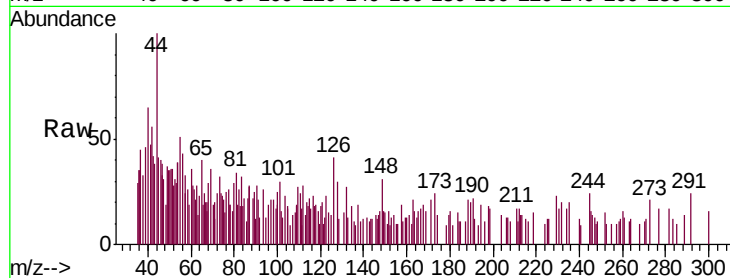
Tgt Ion: 42 Resp: 476

Ion Ratio Lower Upper

42 100

72 40.1 36.4 54.6

71 44.7 33.3 49.9



#33

1,2-Dichloroethane-d4

Concen: 54.242 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX015195.D

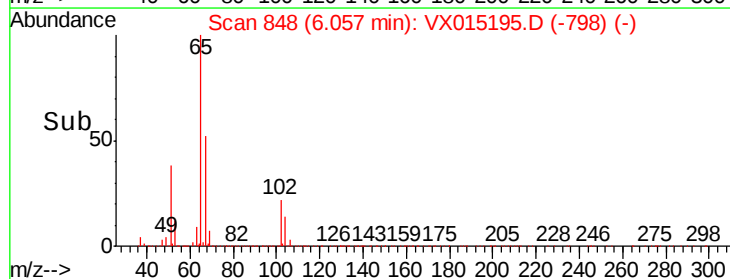
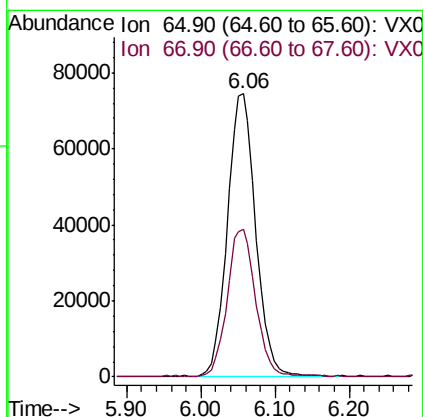
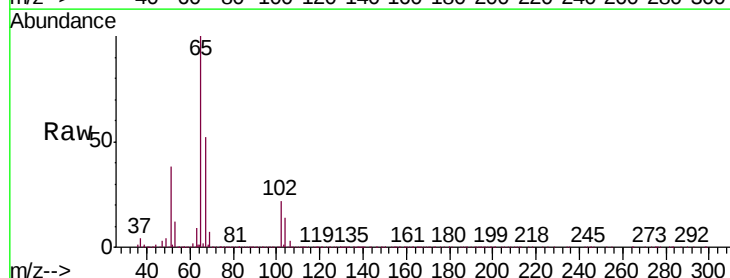
Acq: 11 Mar 2020 13:08

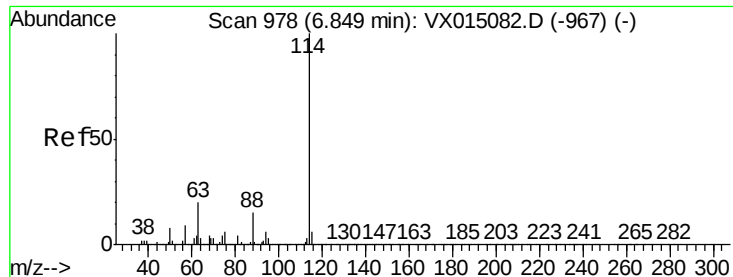
Tgt Ion: 65 Resp: 196524

Ion Ratio Lower Upper

65 100

67 52.1 0.0 105.6

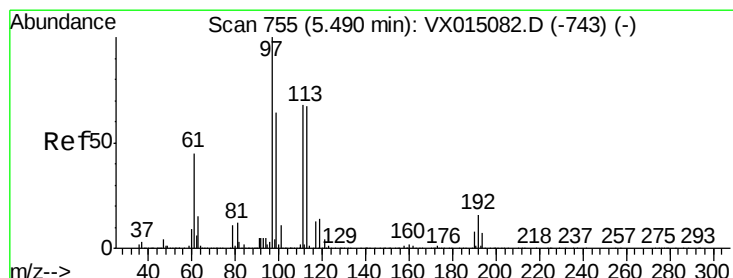
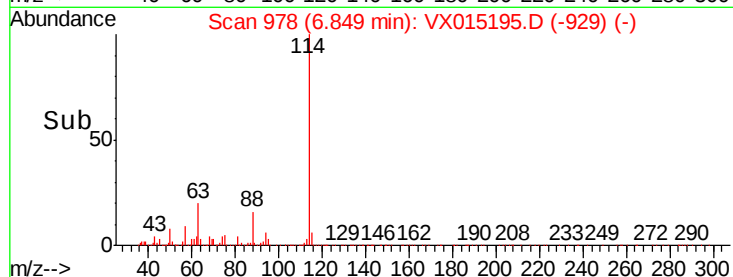
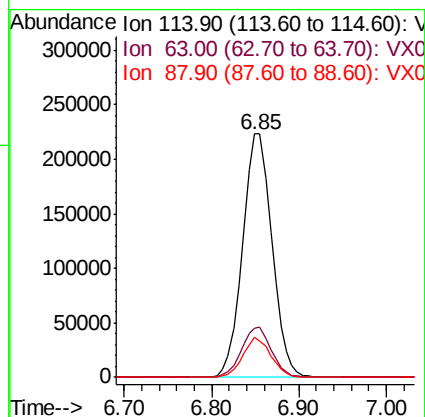
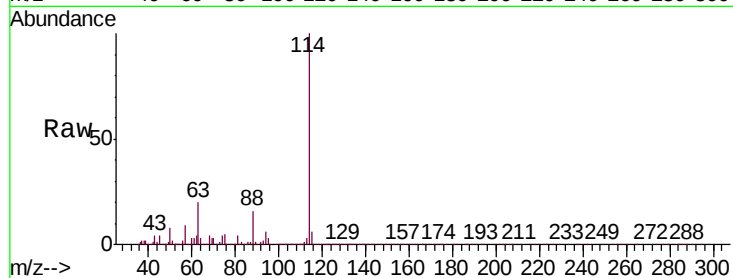




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. -0.00 min
Lab File: VX015195.D
Acq: 11 Mar 2020 13:08

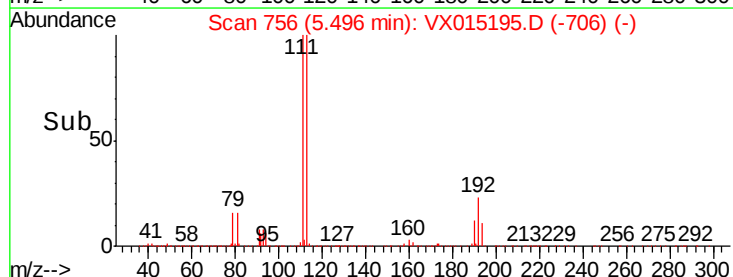
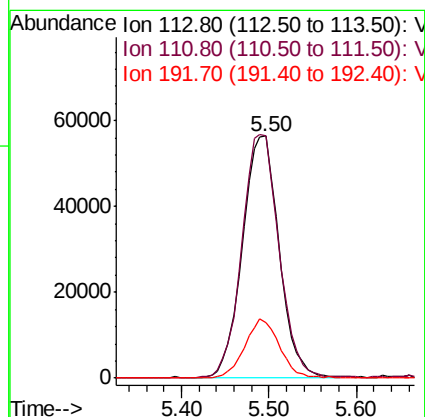
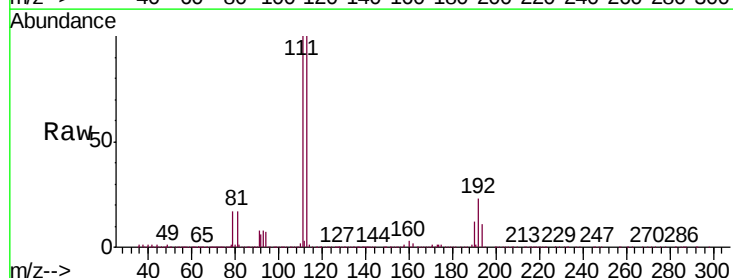
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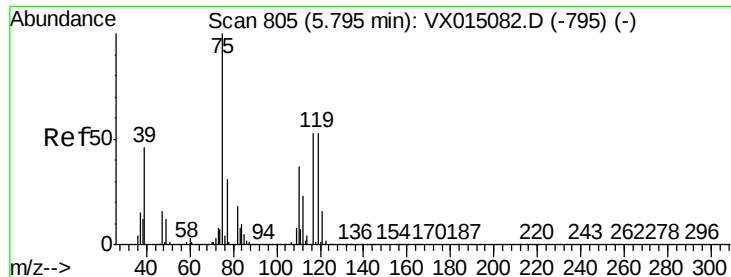
Tgt Ion:	114	Resp:	522543
Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	40.0
88	16.2	0.0	30.6



#35
Dibromofluoromethane
Concen: 49.677 ug/l
RT: 5.50 min Scan# 756
Delta R.T. 0.01 min
Lab File: VX015195.D
Acq: 11 Mar 2020 13:08

Tgt Ion:	113	Resp:	163762
Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.6	123.8
192	23.3	18.6	28.0

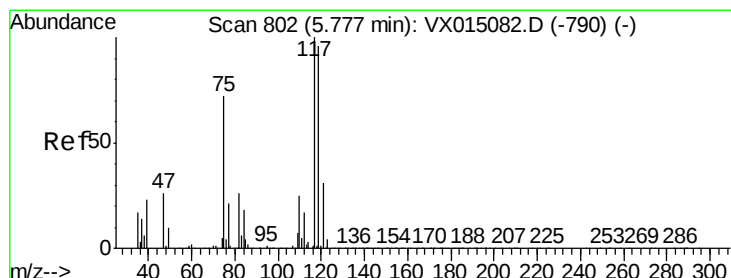
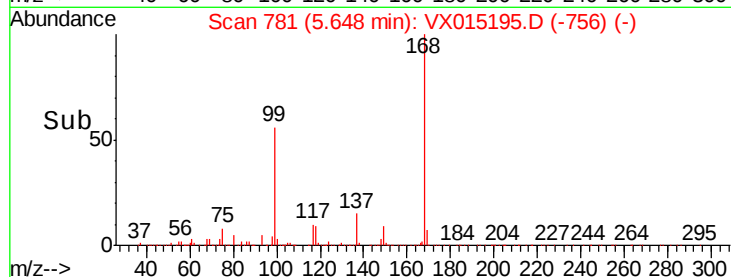
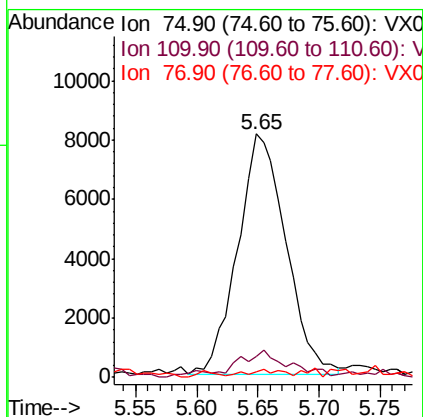
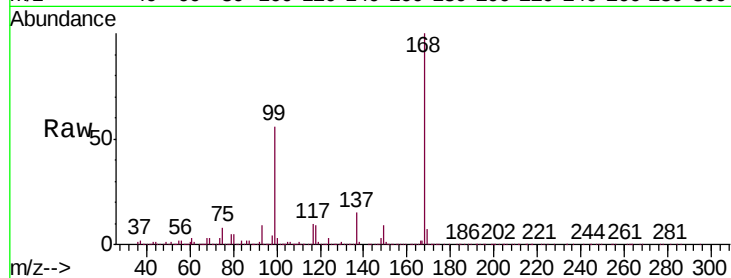




#36
 1,1-Dichloropropene
 Concen: 4.571 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX015195.D
 Acq: 11 Mar 2020 13:08

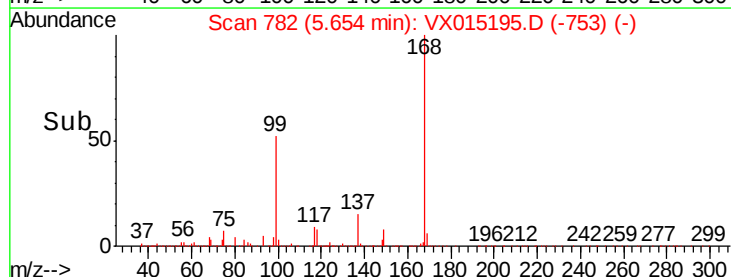
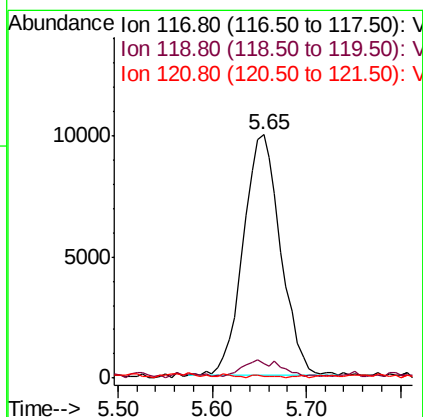
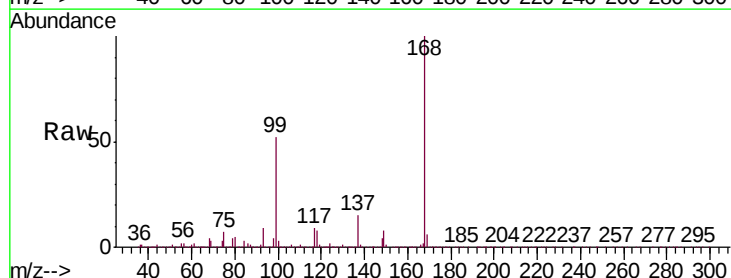
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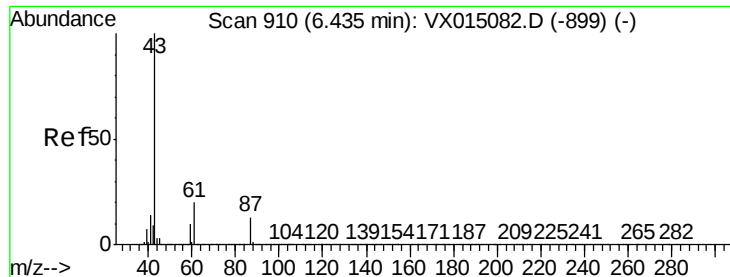
Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.1	17.9	53.8#
77	2.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.076 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX015195.D
 Acq: 11 Mar 2020 13:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	76.9	115.3#
121	1.0	24.6	37.0#





#43

Isopropyl Acetate

Concen: 10.527 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX015195.D

Acq: 11 Mar 2020 13:08

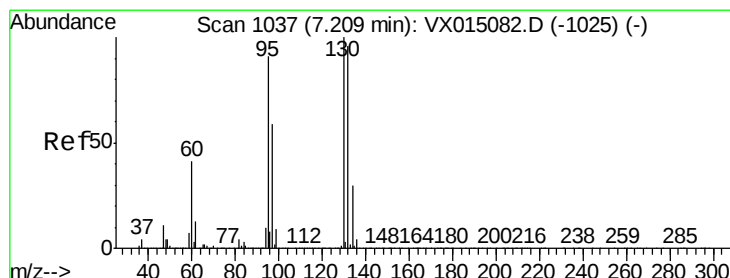
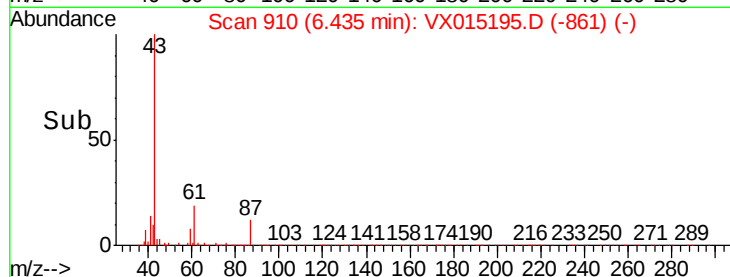
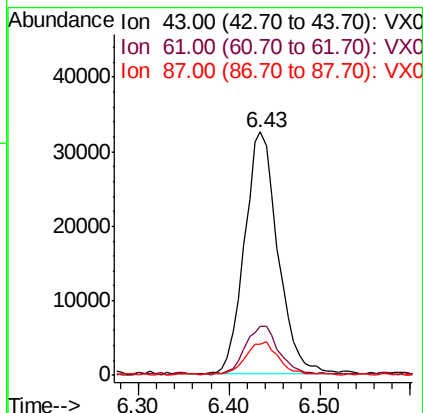
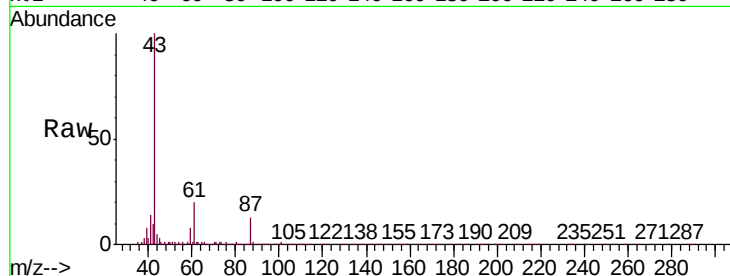
Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#04

Tgt Ion:	43	Resp:	82987
Ion	Ratio	Lower	Upper
43	100		
61	20.1	16.1	24.1
87	13.6	10.6	16.0



#44

Trichloroethene

Concen: 0.320 ug/l

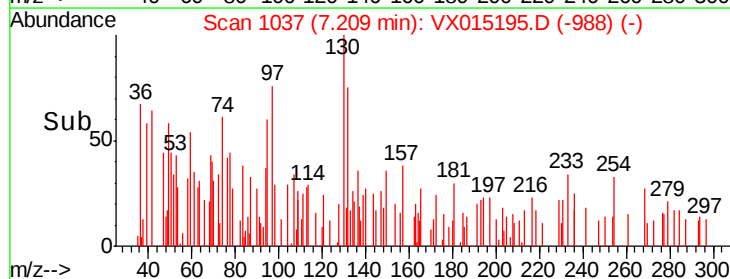
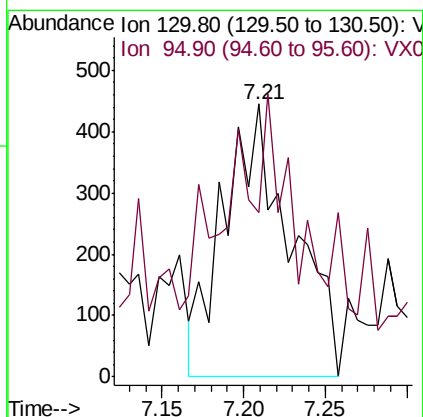
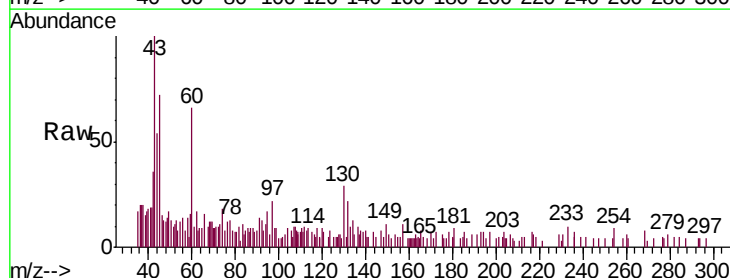
RT: 7.21 min Scan# 1037

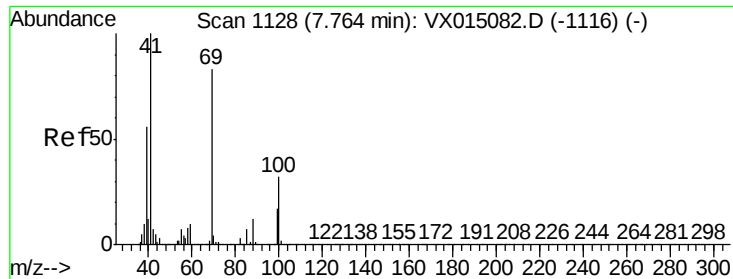
Delta R.T. -0.00 min

Lab File: VX015195.D

Acq: 11 Mar 2020 13:08

Tgt Ion:	130	Resp:	1277
Ion	Ratio	Lower	Upper
130	100		
95	36.2	0.0	181.2





#48

Methyl methacrylate

Concen: 1.225 ug/l

RT: 7.67 min Scan# 1113

Delta R.T. -0.09 min

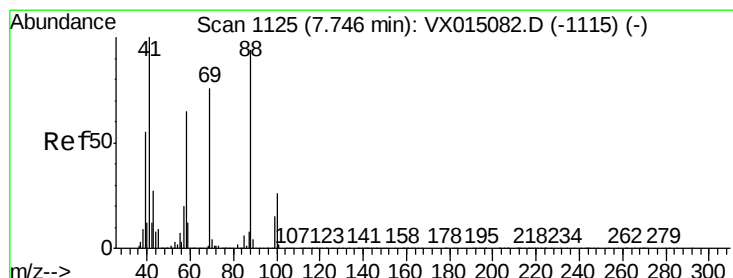
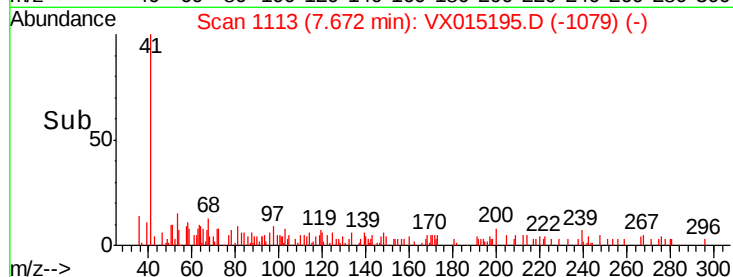
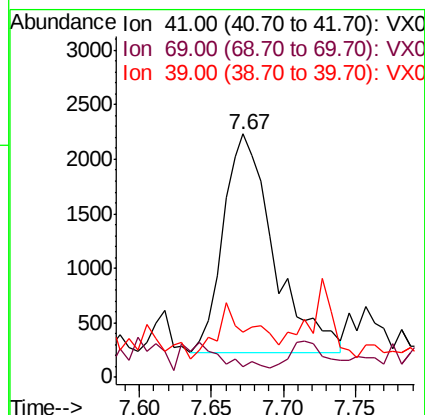
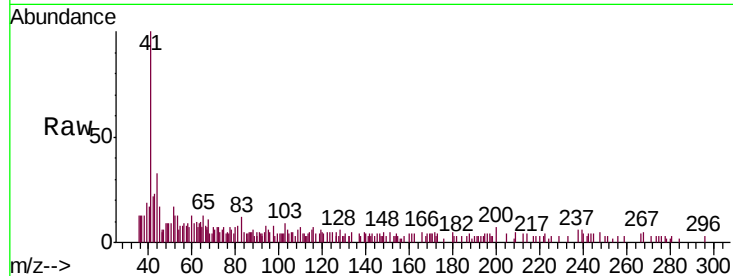
Lab File: VX015195.D

Acq: 11 Mar 2020 13:08

Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#04

Tgt Ion: 41 Resp: 4916

Ion	Ratio	Lower	Upper
41	100		
69	0.0	65.4	98.2#
39	0.0	44.6	67.0#



#49

1,4-Dioxane

Concen: 2.306 ug/l

RT: 7.75 min Scan# 1126

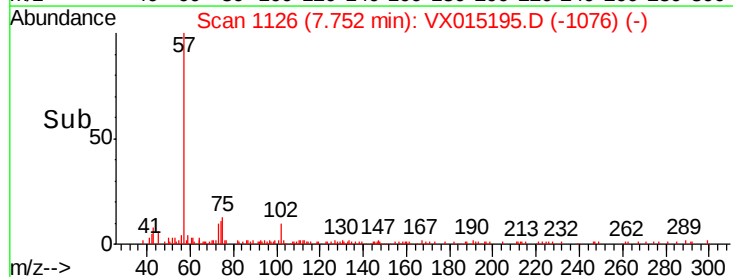
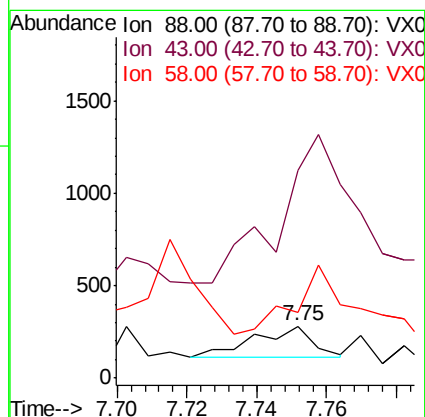
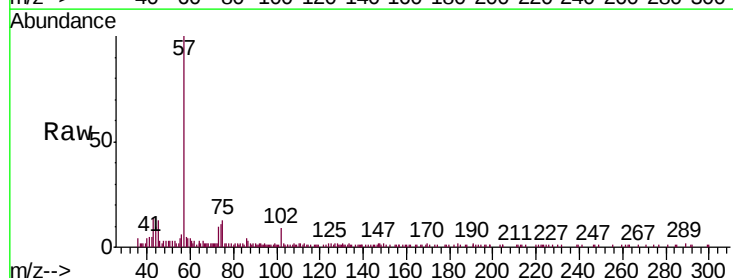
Delta R.T. 0.01 min

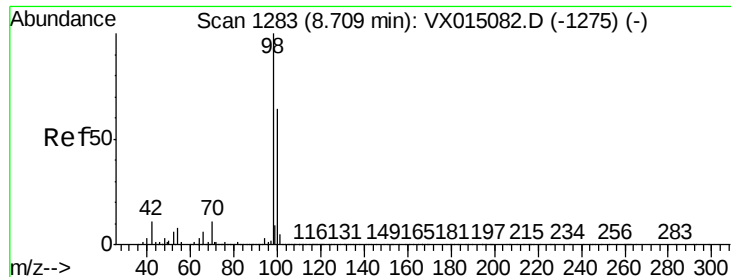
Lab File: VX015195.D

Acq: 11 Mar 2020 13:08

Tgt Ion: 88 Resp: 200

Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.0	40.4#
58	371.0	55.6	83.4#





#50

Toluene-d8

Concen: 51.470 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX015195.D

Acq: 11 Mar 2020 13:08

Instrument :

MSVOA_X

ClientSampleId :

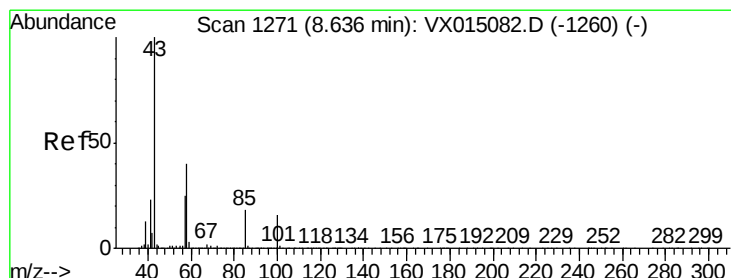
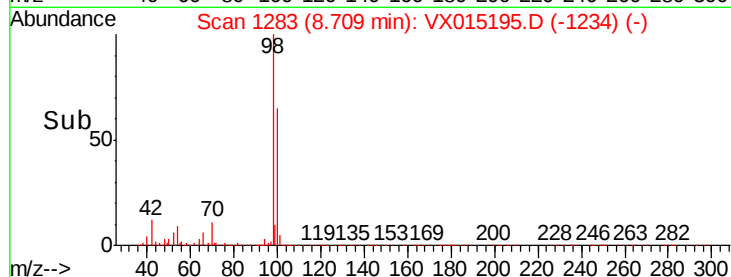
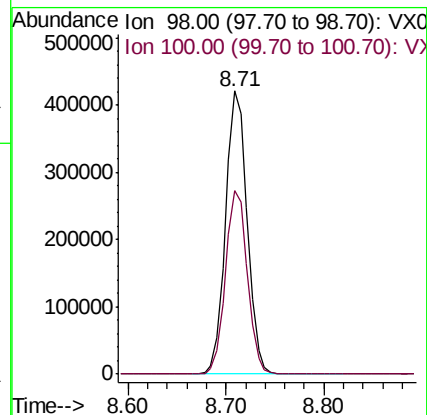
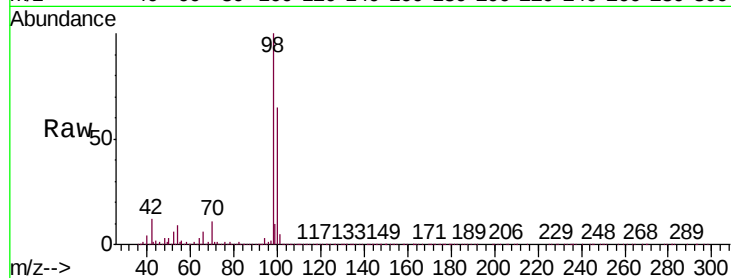
PB127431ZHE#04

Tgt Ion: 98 Resp: 645418

Ion Ratio Lower Upper

98 100

100 65.6 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 17.173 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. -0.03 min

Lab File: VX015195.D

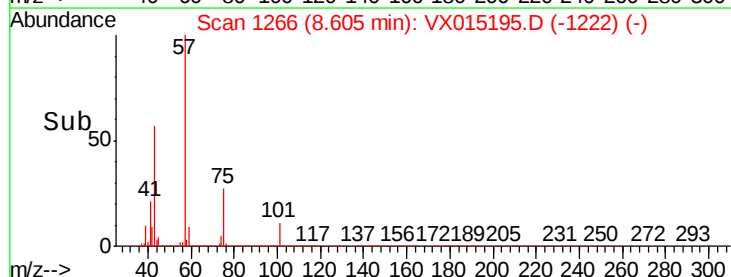
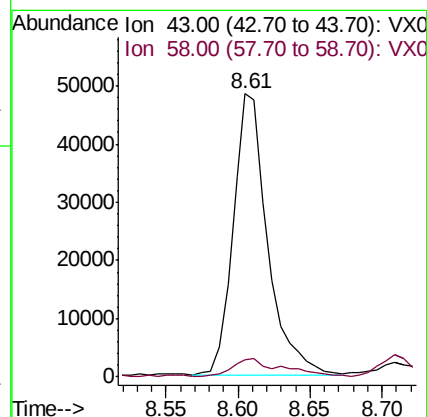
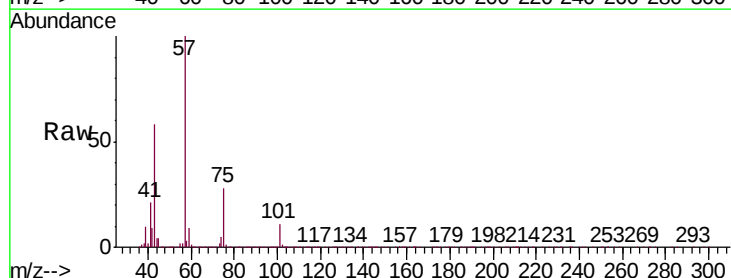
Acq: 11 Mar 2020 13:08

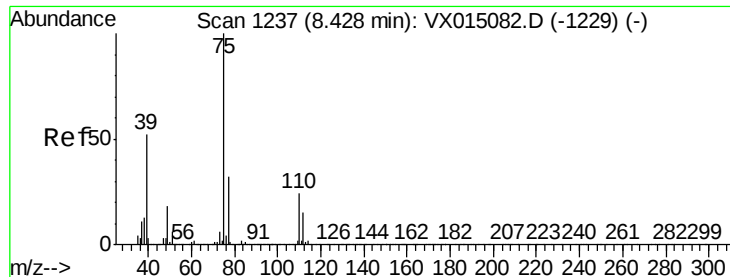
Tgt Ion: 43 Resp: 80041

Ion Ratio Lower Upper

43 100

58 5.7 31.6 47.4#



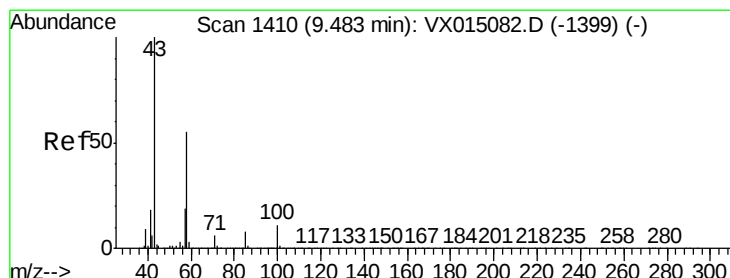
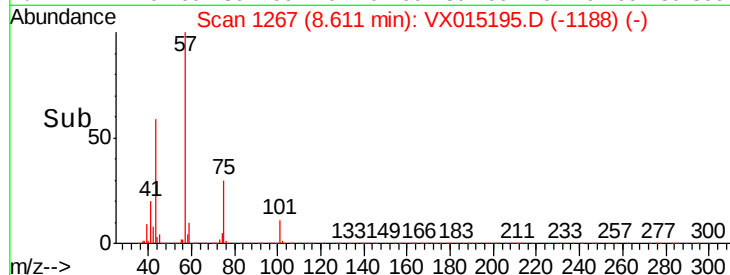
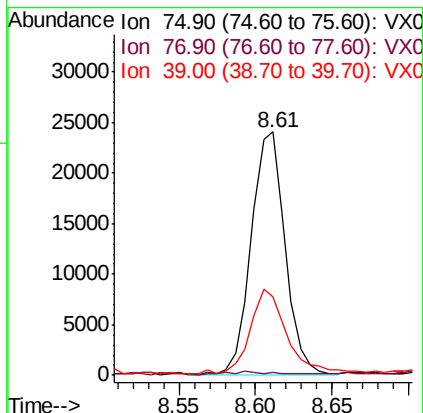
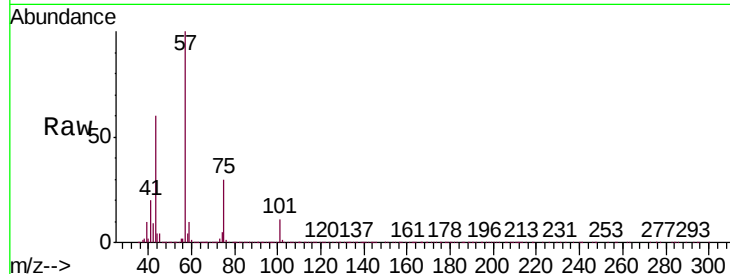


#54

cis-1,3-Dichloropropene
 Concen: 6.500 ug/l
 RT: 8.61 min Scan# 1267
 Delta R.T. 0.18 min
 Lab File: VX015195.D
 Acq: 11 Mar 2020 13:08

Instrument :
 MSVOA_X
 ClientSampleId :
 PB127431ZHE#04

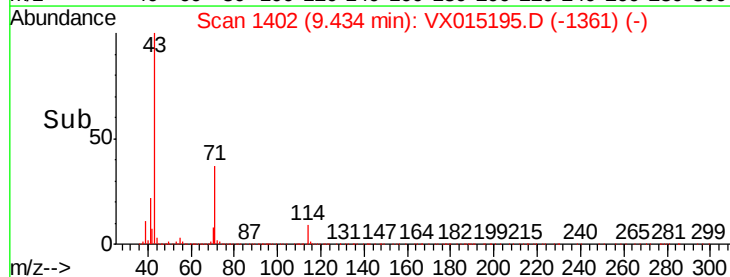
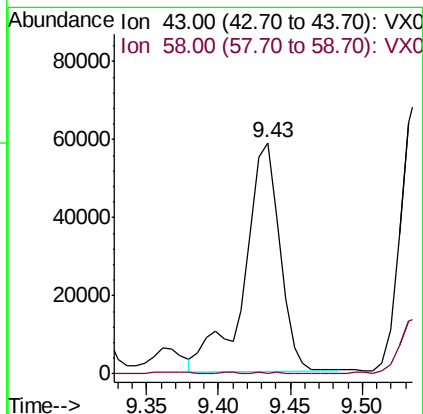
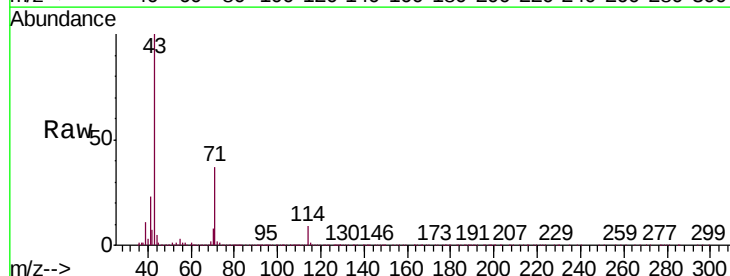
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.4	25.8	38.6#
39	31.2	41.3	61.9#

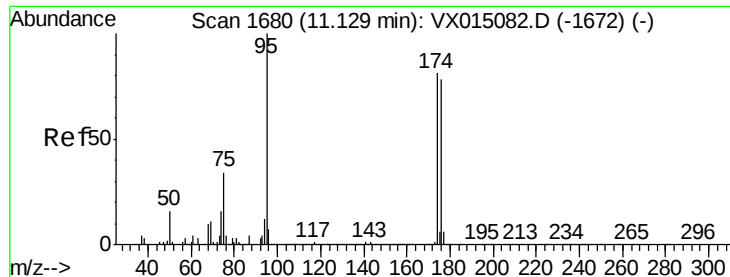


#59

2-Hexanone
 Concen: 28.676 ug/l
 RT: 9.43 min Scan# 1402
 Delta R.T. -0.05 min
 Lab File: VX015195.D
 Acq: 11 Mar 2020 13:08

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





#62

4-Bromofluorobenzene

Concen: 53.058 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX015195.D

Acq: 11 Mar 2020 13:08

Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#04

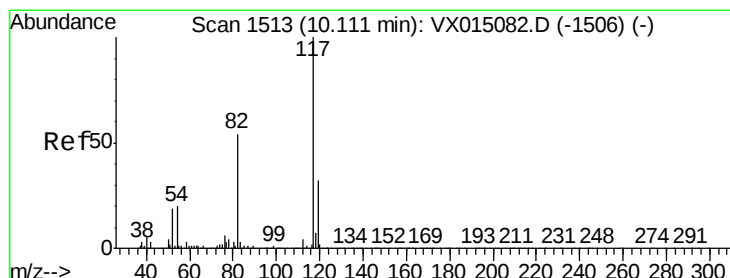
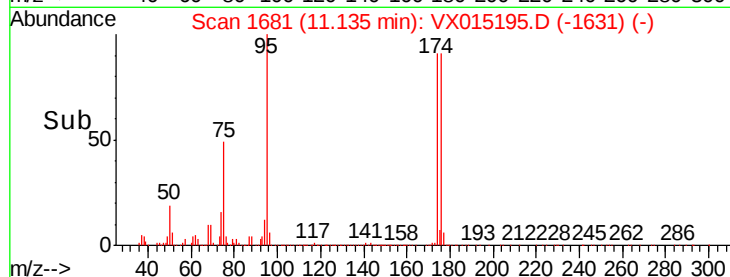
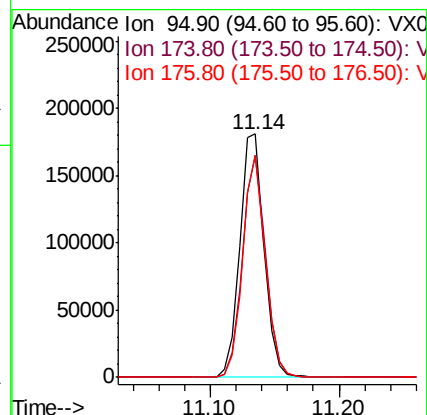
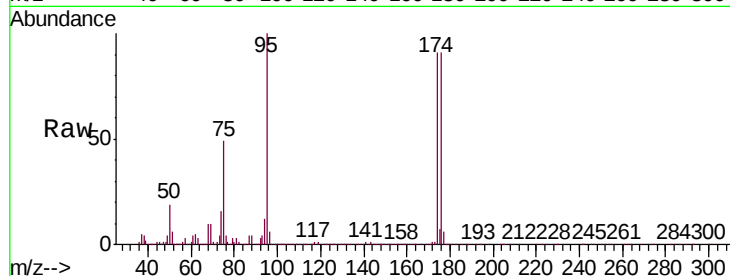
Tgt Ion: 95 Resp: 237315

Ion Ratio Lower Upper

95 100

174 86.8 0.0 177.6

176 84.6 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: VX015195.D

Acq: 11 Mar 2020 13:08

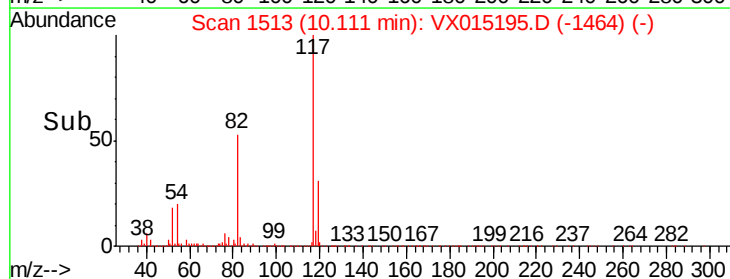
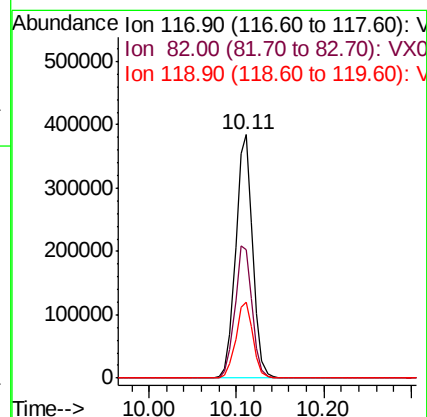
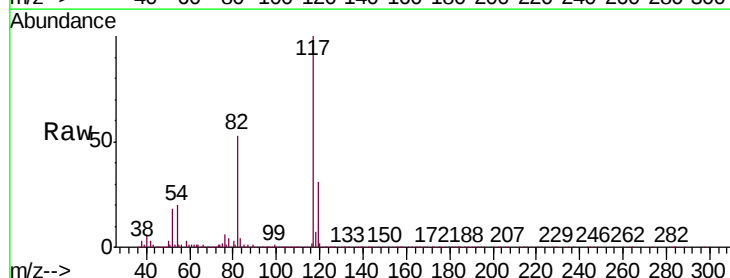
Tgt Ion: 117 Resp: 520166

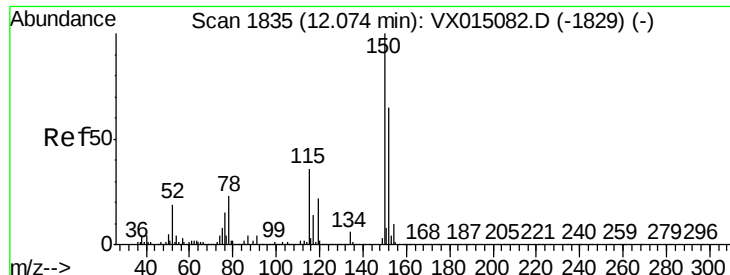
Ion Ratio Lower Upper

117 100

82 52.5 43.3 64.9

119 31.3 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: VX015195.D

Acq: 11 Mar 2020 13:08

Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#04

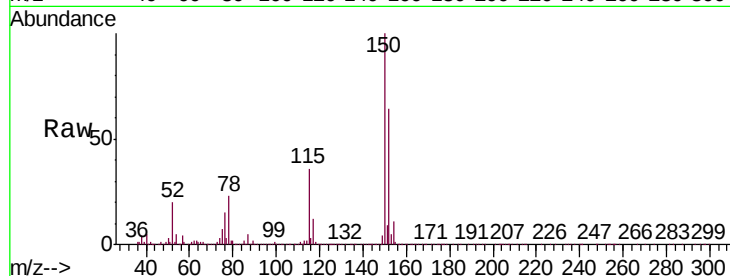
Tgt Ion:152 Resp: 250580

Ion Ratio Lower Upper

152 100

115 56.6 38.2 114.6

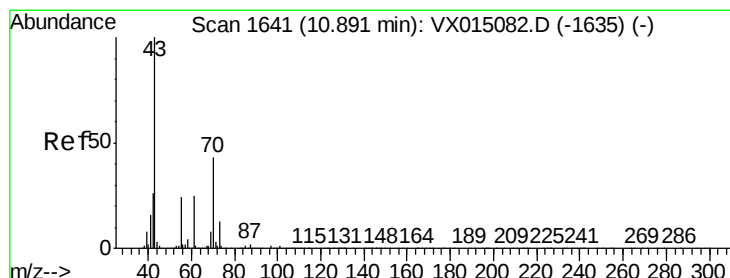
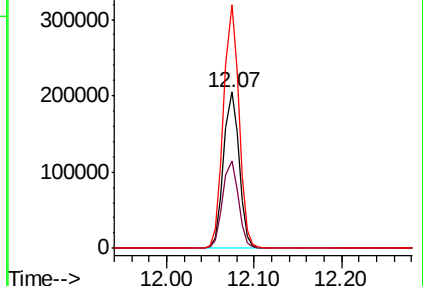
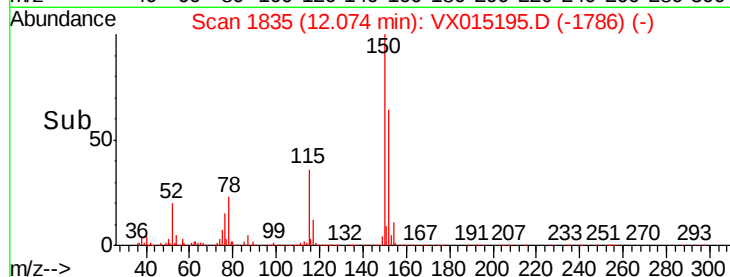
150 154.6 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.615 ug/l

RT: 10.82 min Scan# 1630

Delta R.T. -0.07 min

Lab File: VX015195.D

Acq: 11 Mar 2020 13:08

Tgt Ion: 43 Resp: 4152

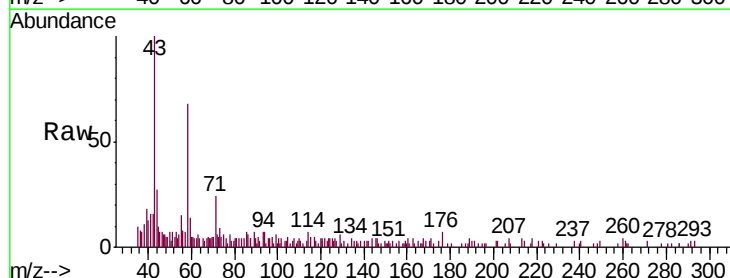
Ion Ratio Lower Upper

43 100

70 10.2 34.7 52.1#

55 0.0 19.4 29.0#

61 0.0 19.0 28.6#

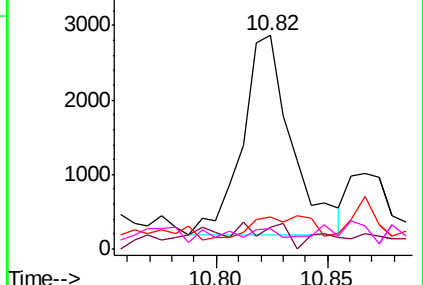
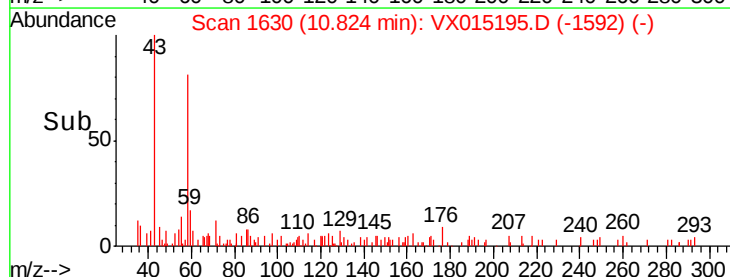


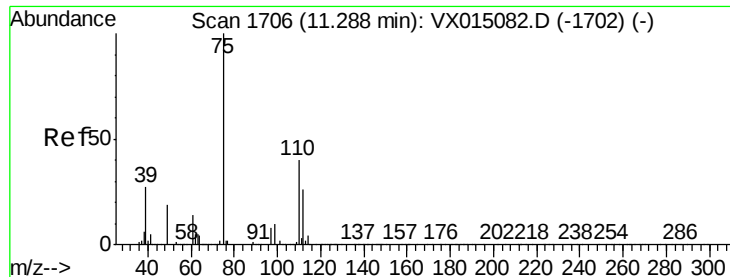
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

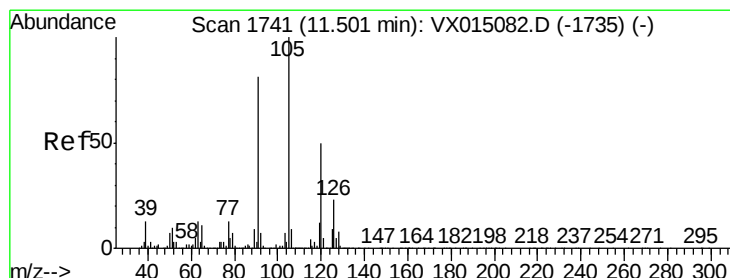
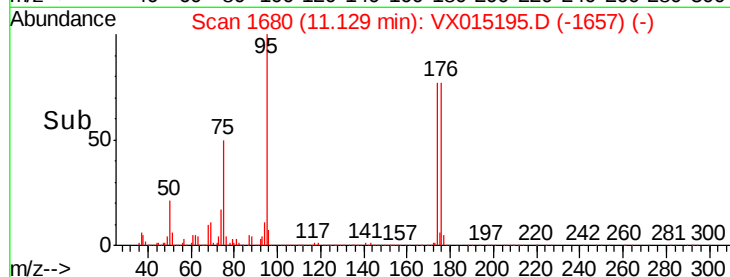
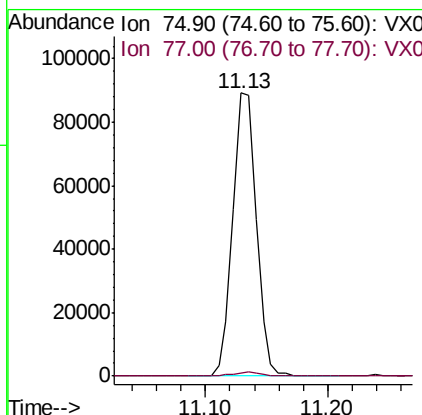
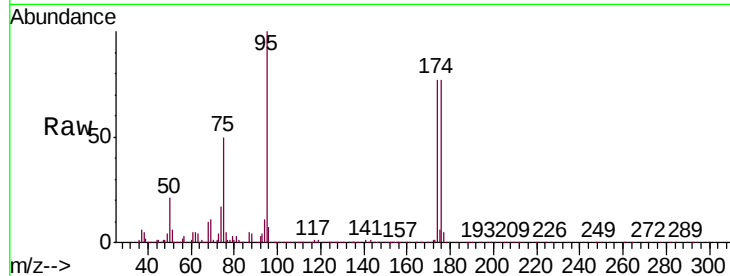




#76
 1,2,3-Trichloropropane
 Concen: 23.734 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX015195.D
 Acq: 11 Mar 2020 13:08

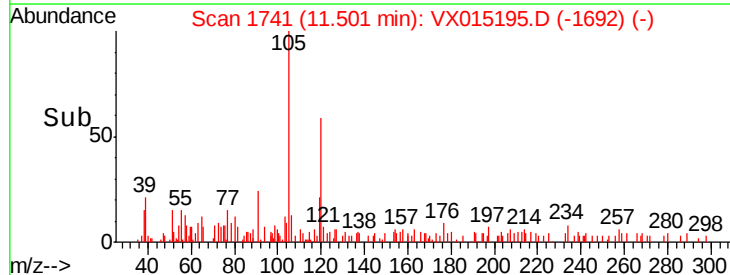
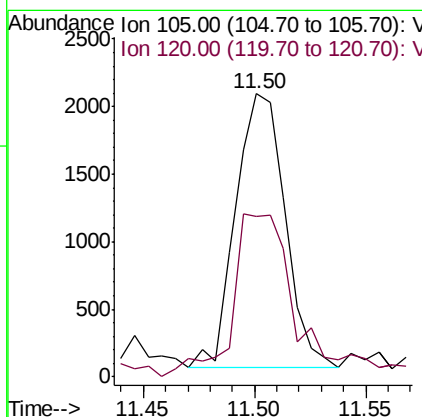
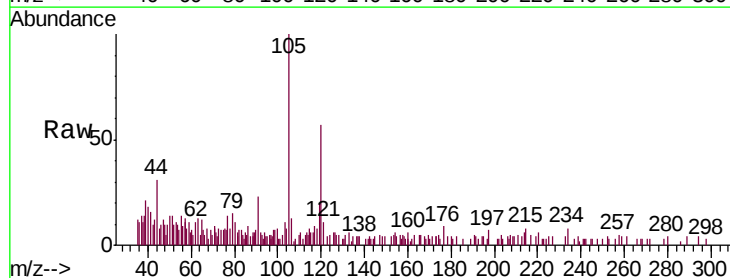
Instrument :
 MSVOA_X
 ClientSampleId :
 PB127431ZHE#04

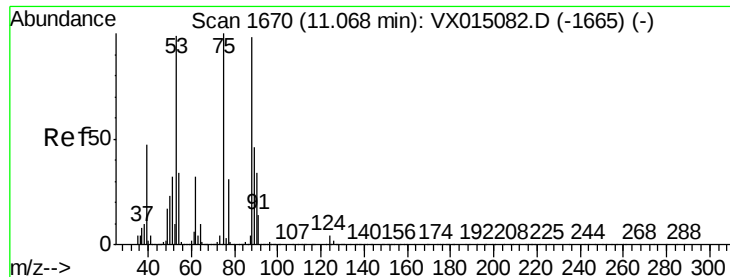
Tgt Ion: 75 Resp: 118629
 Ion Ratio Lower Upper
 75 100
 77 1.6 22.6 67.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.235 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX015195.D
 Acq: 11 Mar 2020 13:08

Tgt Ion: 105 Resp: 3132
 Ion Ratio Lower Upper
 105 100
 120 77.7 25.1 75.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 67.357 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015195.D

Acq: 11 Mar 2020 13:08

Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#04

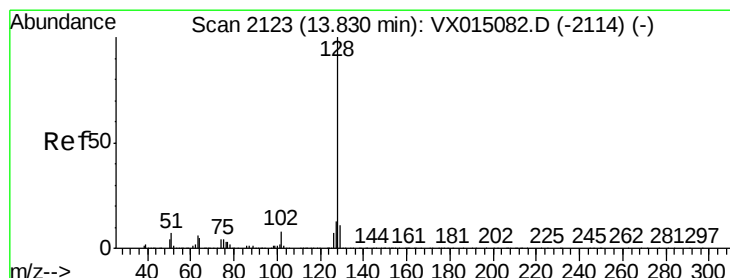
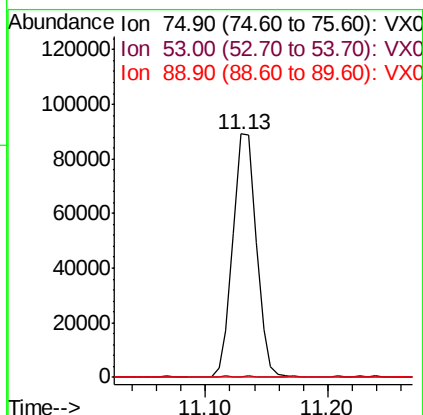
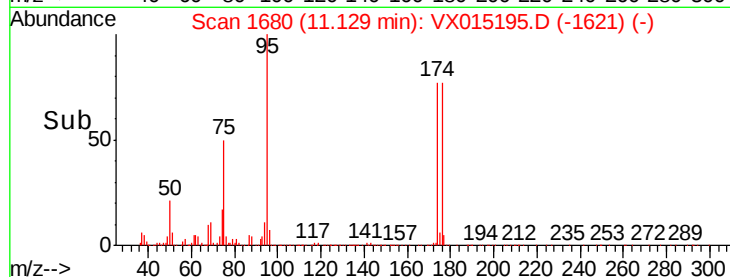
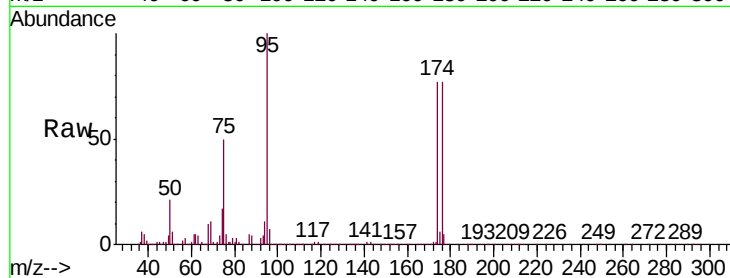
Tgt Ion: 75 Resp: 118629

Ion Ratio Lower Upper

75 100

53 0.4 77.9 116.9#

89 0.2 36.2 54.2#



#95

Naphthalene

Concen: 1.467 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX015195.D

Acq: 11 Mar 2020 13:08

Tgt Ion: 128 Resp: 806

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.6 13.0#

