

Data File : VX015199.D
Acq On : 11 Mar 2020 14:39
Operator : JC/SP
Sample : PB127431ZHE#08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#08

Quant Time: Mar 12 05:48:11 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	322881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	549172	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	545832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	267398	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	206825	53.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.98%	
35) Dibromofluoromethane	5.49	113	171934	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
50) Toluene-d8	8.71	98	682035	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
62) 4-Bromofluorobenzene	11.13	95	248280	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	

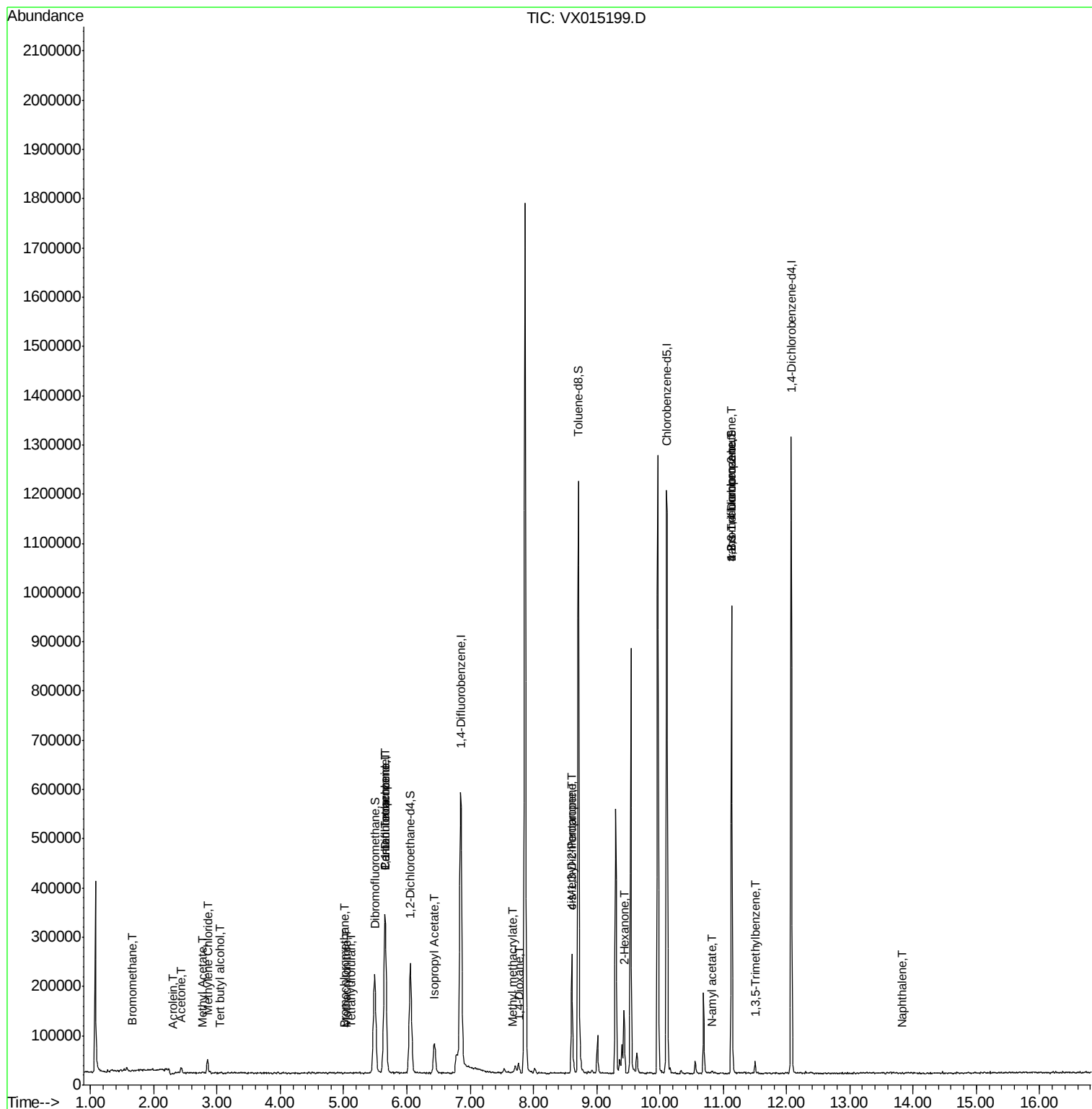
Target Compounds						Qvalue
5) Bromomethane	1.66	94	1065	0.427	ug/l	93
11) Tert butyl alcohol	3.05	59	791	1.190	ug/l #	1
13) Acrolein	2.30	56	219	0.351	ug/l #	72
16) Acetone	2.43	43	14752	9.509	ug/l	93
18) Methyl Acetate	2.76	43	3326	0.877	ug/l	99
20) Methylene Chloride	2.85	84	14701	4.049	ug/l	92
28) Bromochloromethane	5.00	49	576	0.209	ug/l #	49
29) Tetrahydrofuran	5.12	42	398	0.272	ug/l #	43
36) 1,1-Dichloropropene	5.65	75	23844	4.697	ug/l #	52
38) Carbon Tetrachloride	5.65	117	29939	6.247	ug/l #	17
41) Methacrylonitrile	5.05	41	648	0.229	ug/l #	52
43) Isopropyl Acetate	6.44	43	82899	10.006	ug/l	100
48) Methyl methacrylate	7.67	41	4633	1.099	ug/l #	18
49) 1,4-Dioxane	7.78	88	123	1.349	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	85984	17.554	ug/l #	51
54) cis-1,3-Dichloropropene	8.61	75	39093	6.467	ug/l #	62
59) 2-Hexanone	9.43	43	88227	24.301	ug/l #	24
74) N-amyl acetate	10.82	43	3792	0.527	ug/l #	49
76) 1,2,3-Trichloropropane	11.13	75	123336	23.124	ug/l #	33
80) 1,3,5-Trimethylbenzene	11.50	105	9981	0.702	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.13	75	123336	65.625	ug/l #	11
95) Naphthalene	13.83	128	365	1.440	ug/l #	1

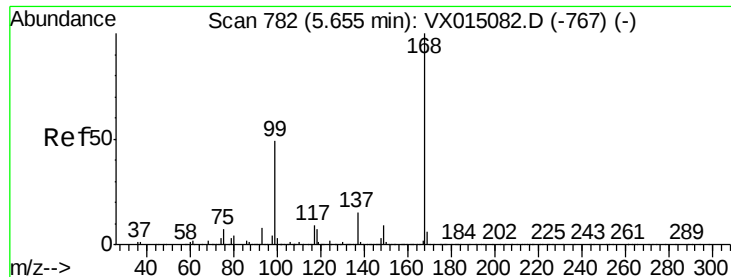
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX015199.D

Acq: 11 Mar 2020 14:39

Instrument :

MSVOA_X

ClientSampleId :

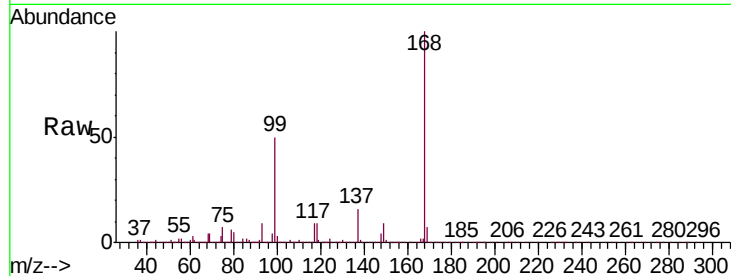
PB127431ZHE#08

Tgt Ion:168 Resp: 322881

Ion Ratio Lower Upper

168 100

99 50.2 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

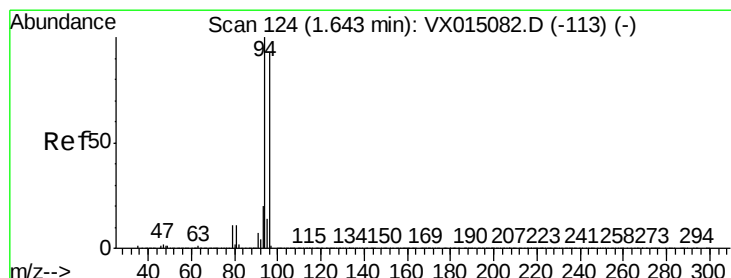
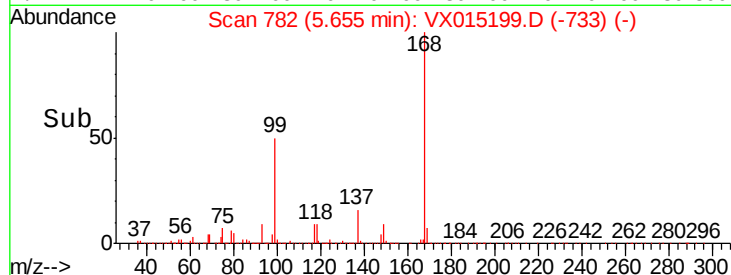
5.65

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.427 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.01 min

Lab File: VX015199.D

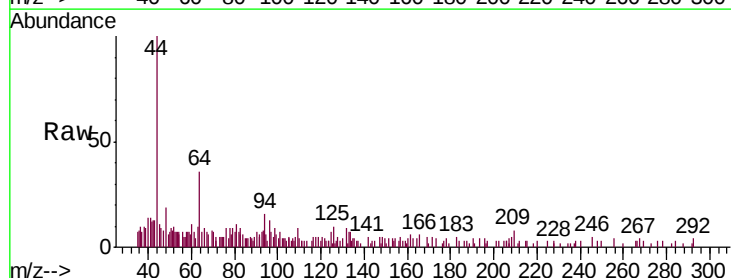
Acq: 11 Mar 2020 14:39

Tgt Ion: 94 Resp: 1065

Ion Ratio Lower Upper

94 100

96 86.6 74.6 111.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

400

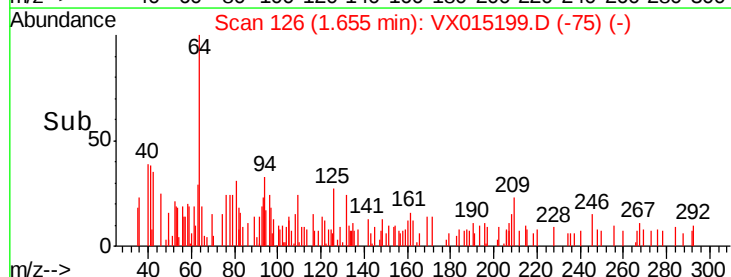
300

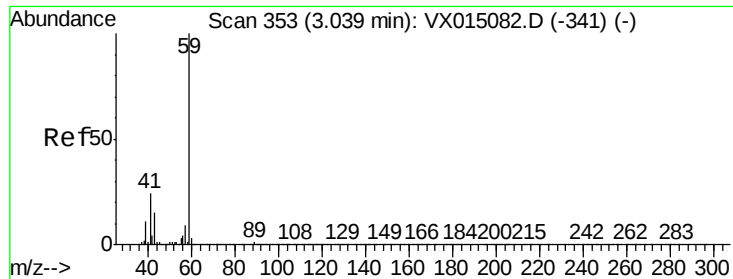
200

100

0

Time-->

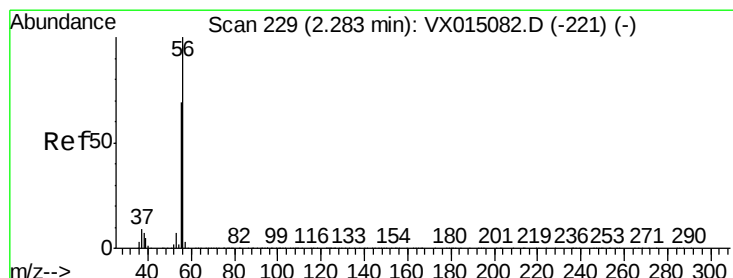
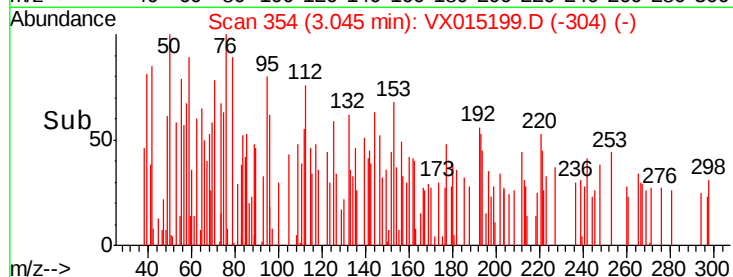
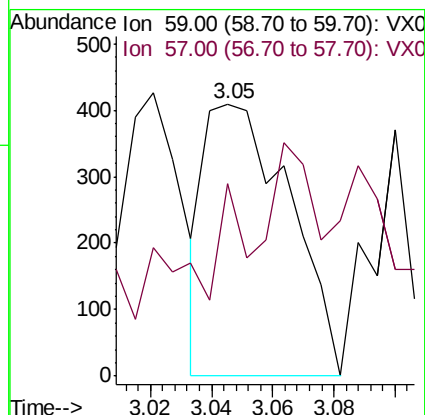
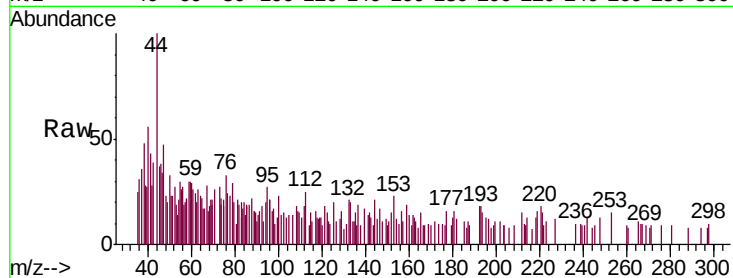




#11
Tert butyl alcohol
Concen: 1.190 ug/l
RT: 3.05 min Scan# 354
Delta R.T. 0.01 min
Lab File: VX015199.D
Acq: 11 Mar 2020 14:39

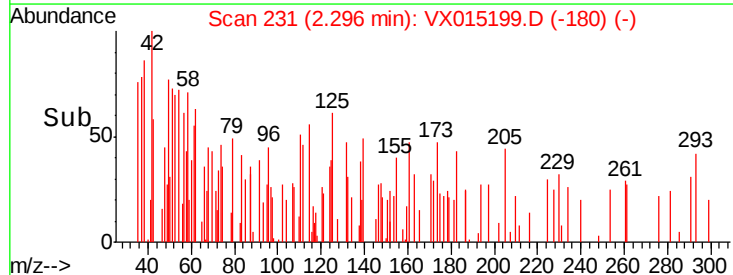
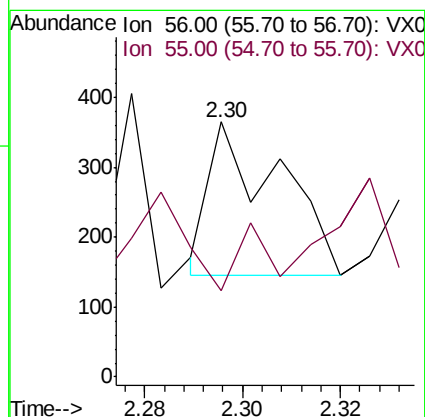
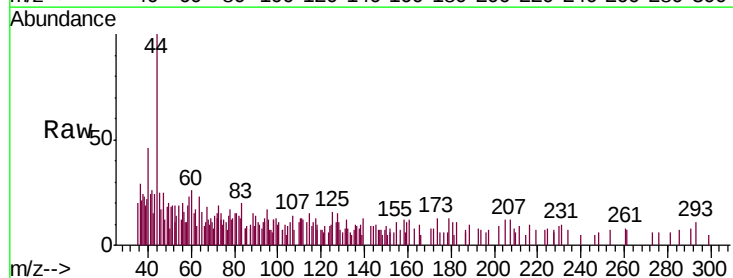
Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#08

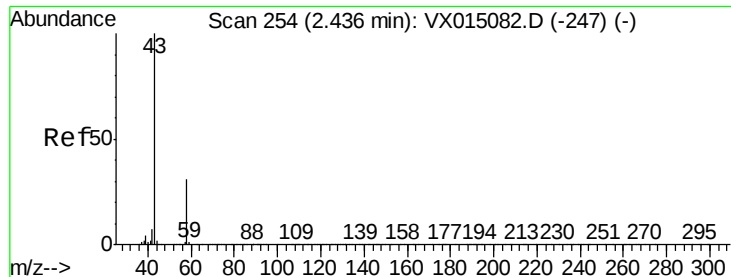
Tgt Ion: 59 Resp: 791
Ion Ratio Lower Upper
59 100
57 61.6 8.2 12.4#



#13
Acrolein
Concen: 0.351 ug/l
RT: 2.30 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX015199.D
Acq: 11 Mar 2020 14:39

Tgt Ion: 56 Resp: 219
Ion Ratio Lower Upper
56 100
55 46.1 55.4 83.0#





#16

Acetone

Concen: 9.509 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX015199.D

Acq: 11 Mar 2020 14:39

Instrument :

MSVOA_X

ClientSampleId :

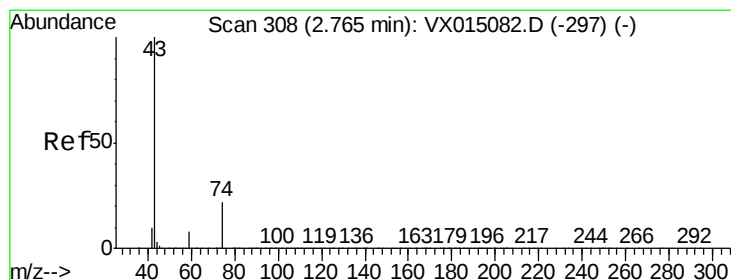
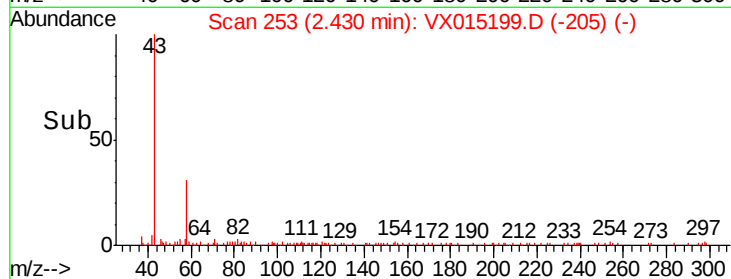
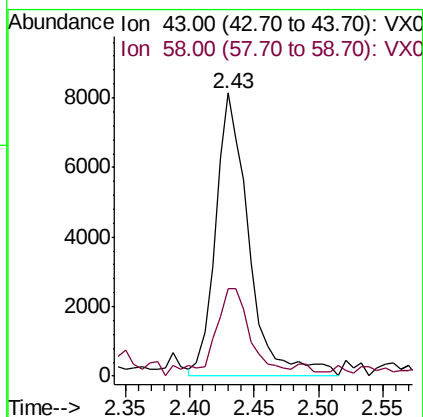
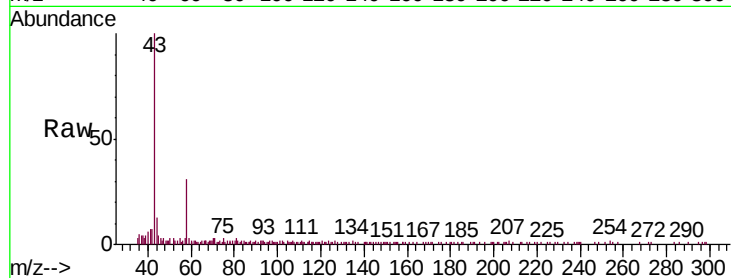
PB127431ZHE#08

Tgt Ion: 43 Resp: 14752

Ion Ratio Lower Upper

43 100

58 27.1 24.8 37.2



#18

Methyl Acetate

Concen: 0.877 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX015199.D

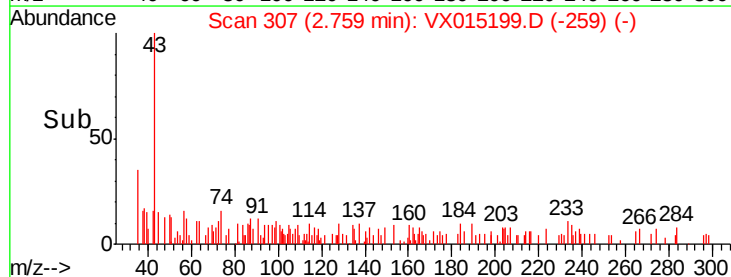
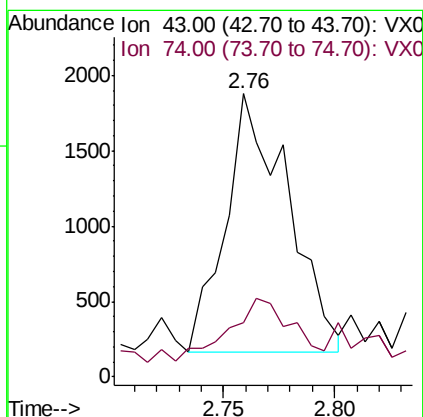
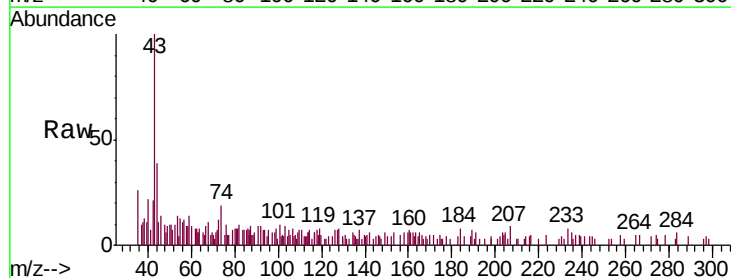
Acq: 11 Mar 2020 14:39

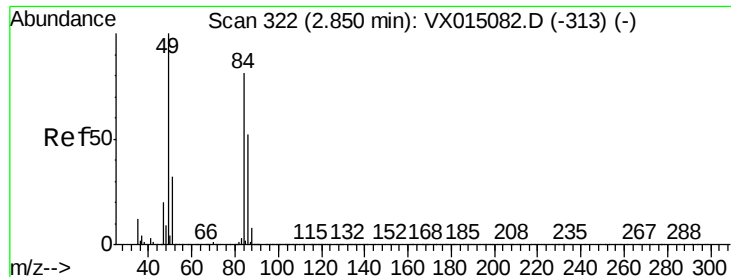
Tgt Ion: 43 Resp: 3326

Ion Ratio Lower Upper

43 100

74 24.1 18.8 28.2





#20

Methylene Chloride

Concen: 4.049 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.00 min

Lab File: VX015199.D

Acq: 11 Mar 2020 14:39

Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#08

Tgt Ion: 84 Resp: 14701

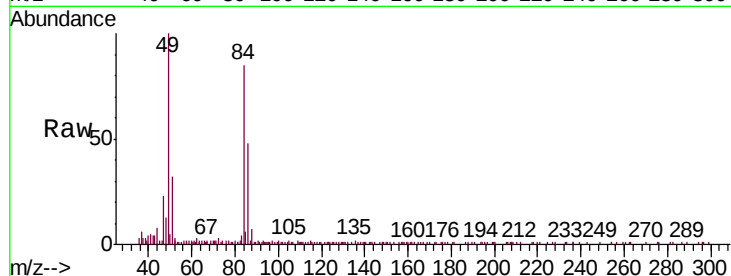
Ion Ratio Lower Upper

84 100

49 116.4 99.4 149.2

51 36.7 31.5 47.3

86 54.3 51.6 77.4

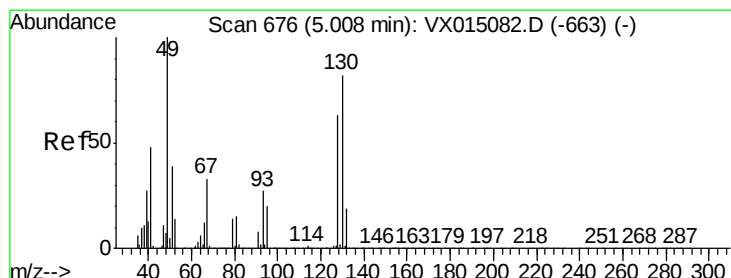
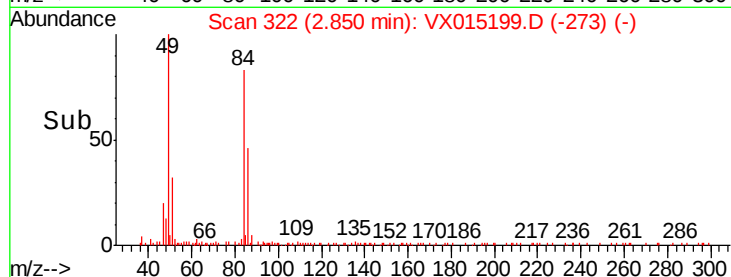
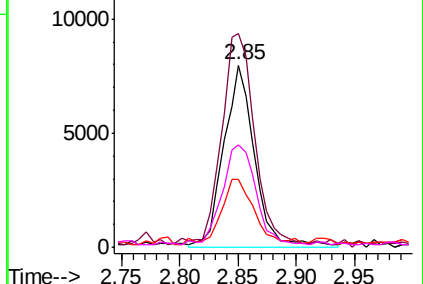


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#28

Bromochloromethane

Concen: 0.209 ug/l

RT: 5.00 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX015199.D

Acq: 11 Mar 2020 14:39

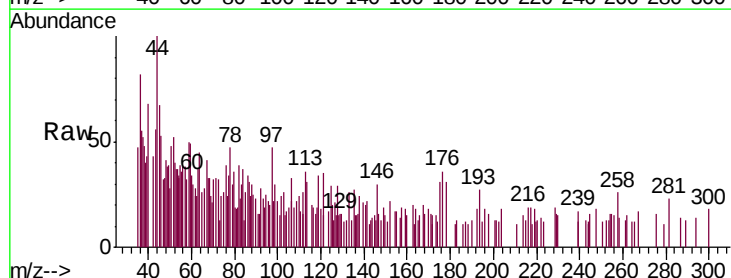
Tgt Ion: 49 Resp: 576

Ion Ratio Lower Upper

49 100

129 40.3 0.0 4.4#

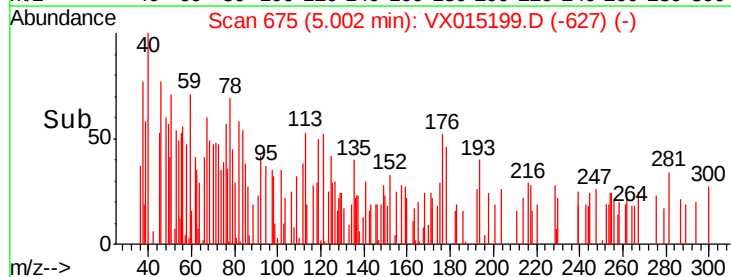
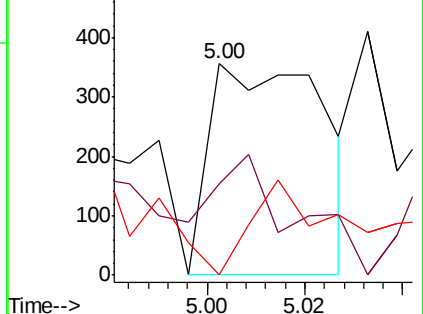
130 37.3 65.0 97.6#

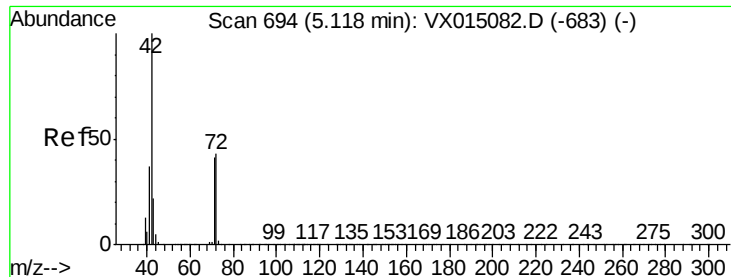


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 0.272 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX015199.D

Acq: 11 Mar 2020 14:39

Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#08

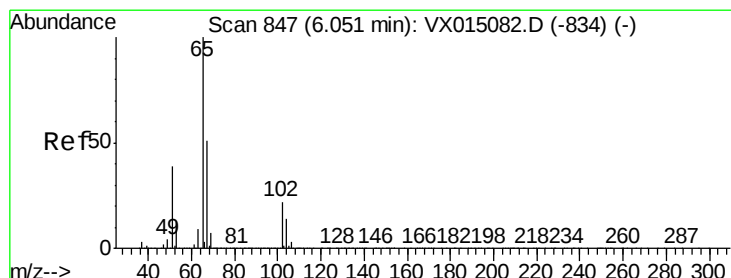
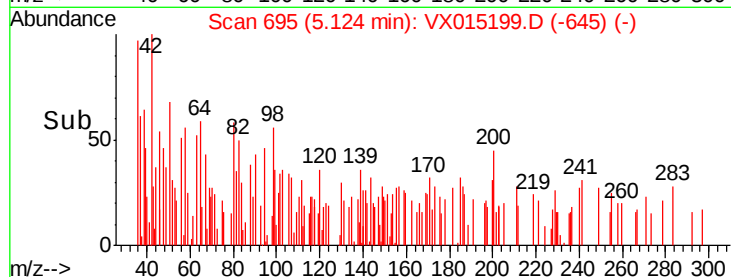
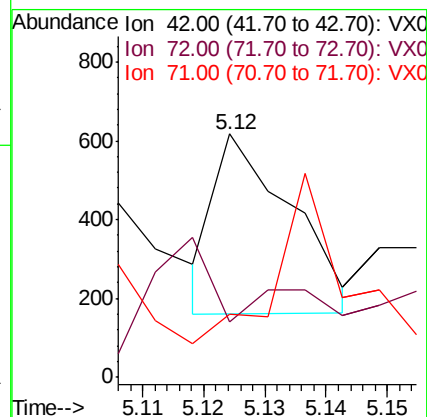
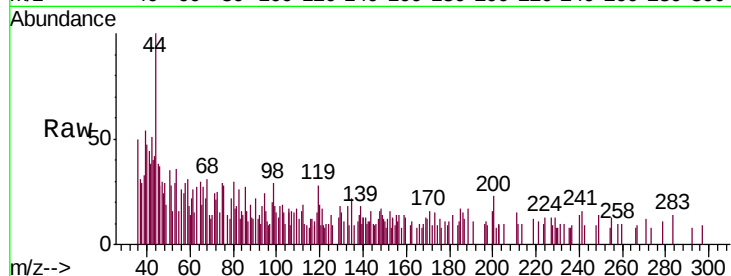
Tgt Ion: 42 Resp: 398

Ion Ratio Lower Upper

42 100

72 83.2 36.4 54.6#

71 77.9 33.3 49.9#



#33

1,2-Dichloroethane-d4

Concen: 53.993 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX015199.D

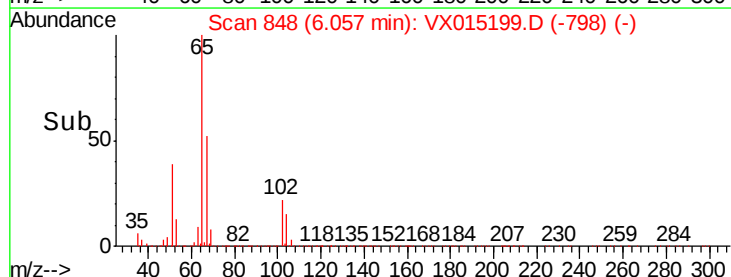
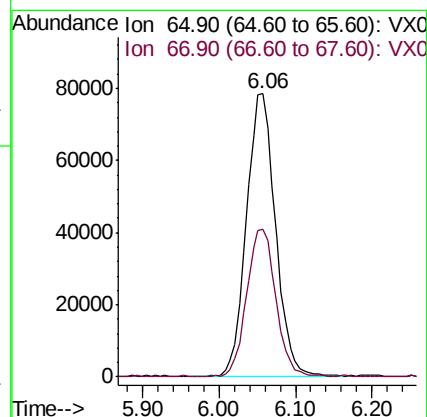
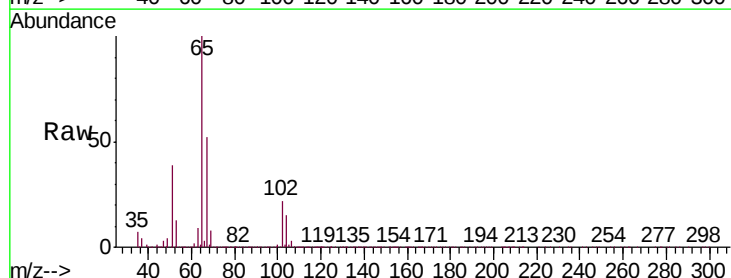
Acq: 11 Mar 2020 14:39

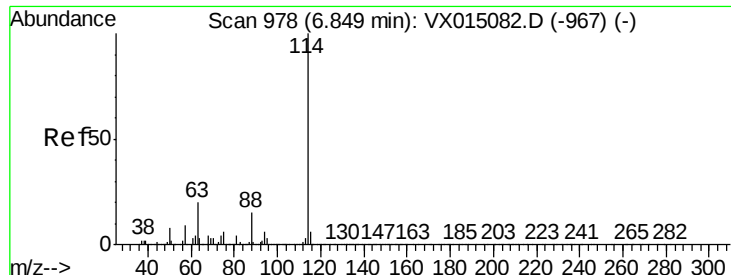
Tgt Ion: 65 Resp: 206825

Ion Ratio Lower Upper

65 100

67 52.6 0.0 105.6

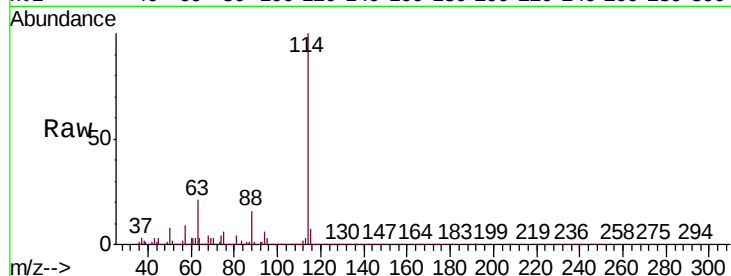




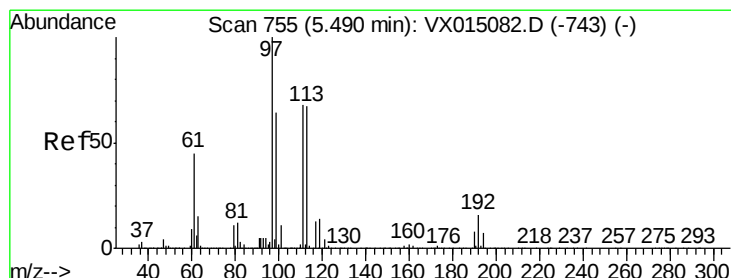
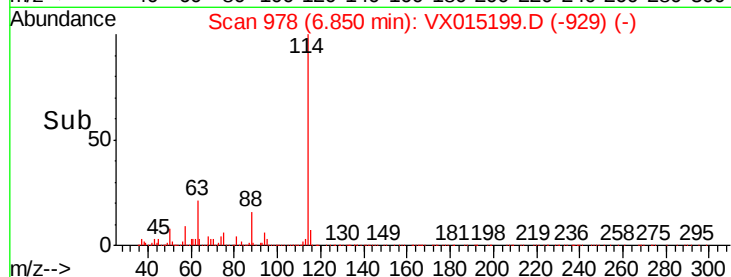
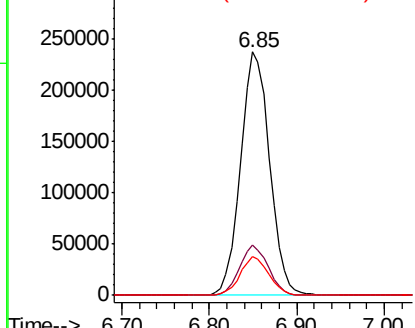
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX015199.D
Acq: 11 Mar 2020 14:39

Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#08

Tgt Ion:114 Resp: 549172
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.0
88 15.9 0.0 30.6

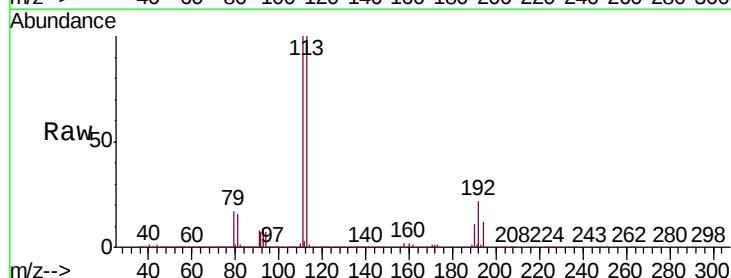


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

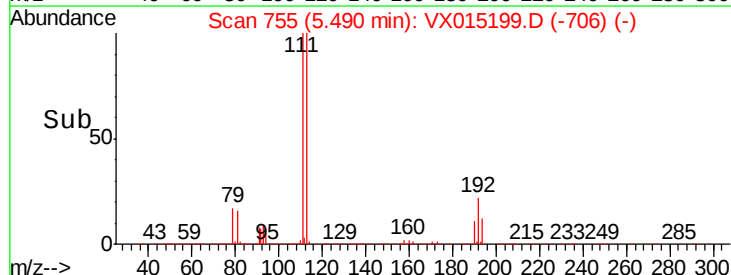
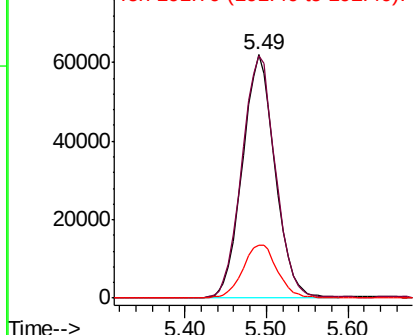


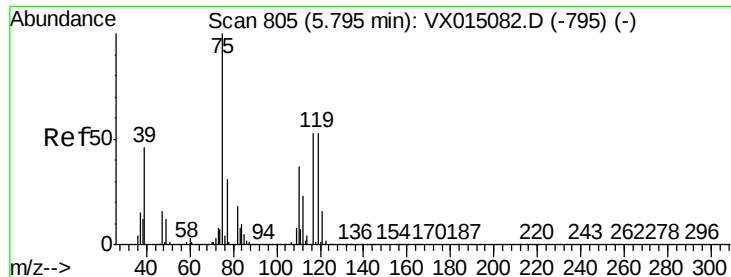
#35
Dibromofluoromethane
Concen: 49.627 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX015199.D
Acq: 11 Mar 2020 14:39

Tgt Ion:113 Resp: 171934
Ion Ratio Lower Upper
113 100
111 102.4 82.6 123.8
192 23.5 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

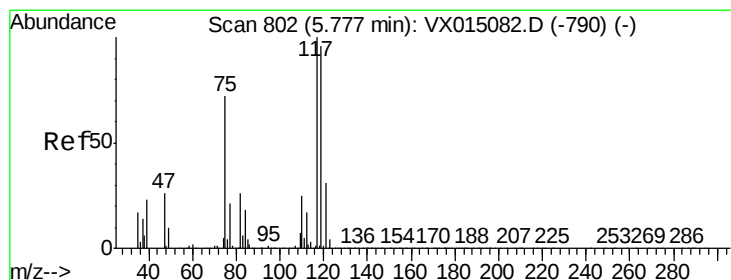
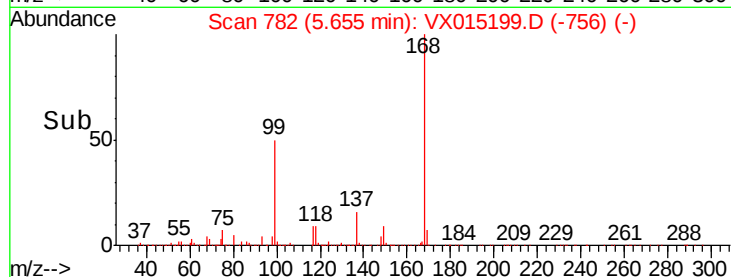
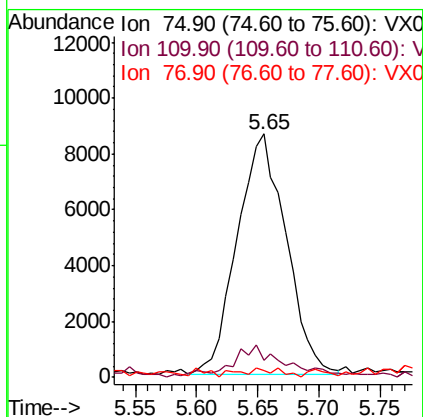
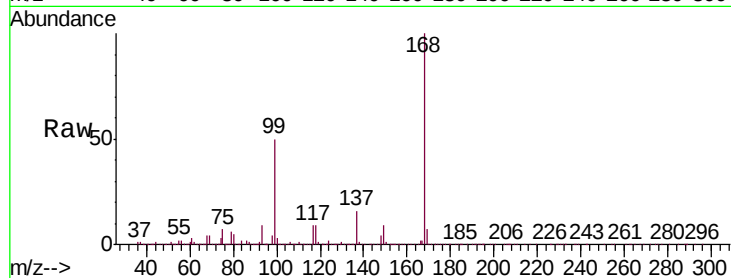




#36
 1,1-Dichloropropene
 Concen: 4.697 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX015199.D
 Acq: 11 Mar 2020 14:39

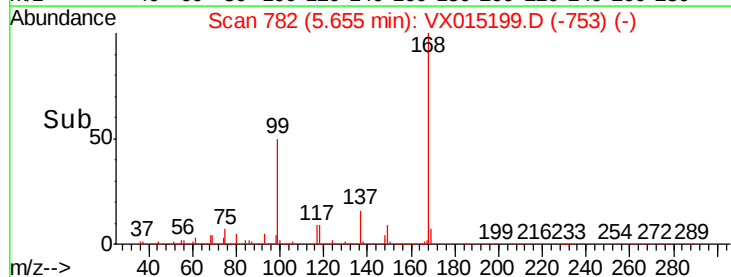
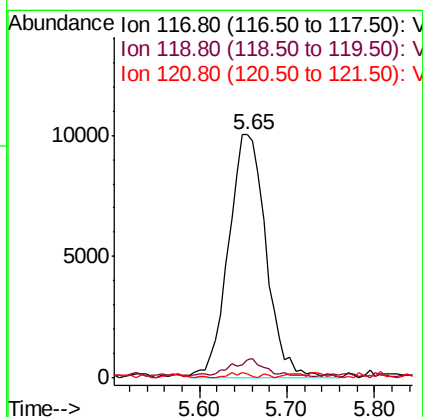
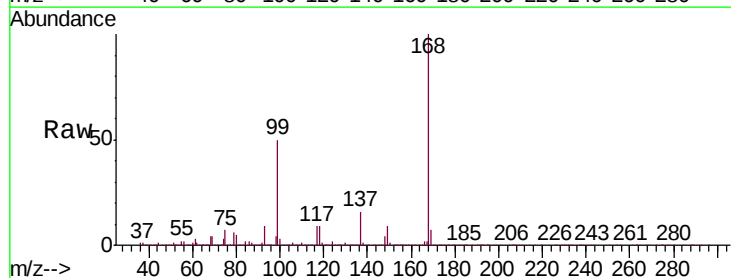
Instrument :
 MSVOA_X
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 PB127431ZHE#08

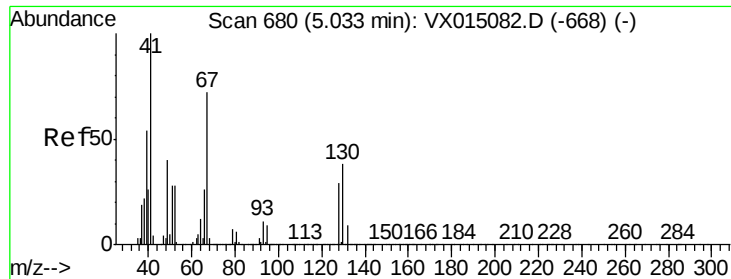
Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.3	17.9	53.8#
77	0.7	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.247 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX015199.D
 Acq: 11 Mar 2020 14:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.3	76.9	115.3#
121	1.0	24.6	37.0#

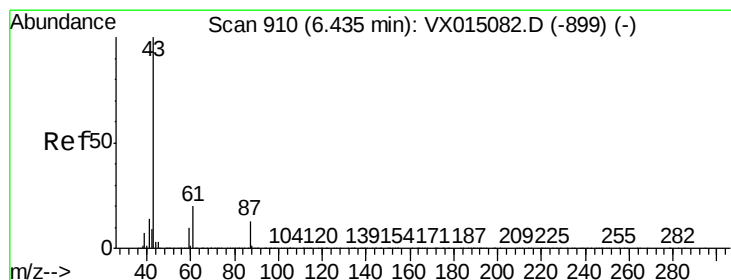
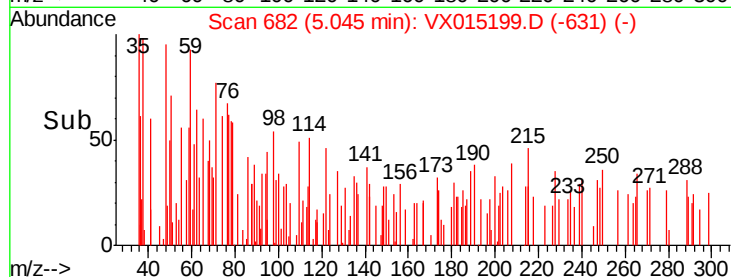
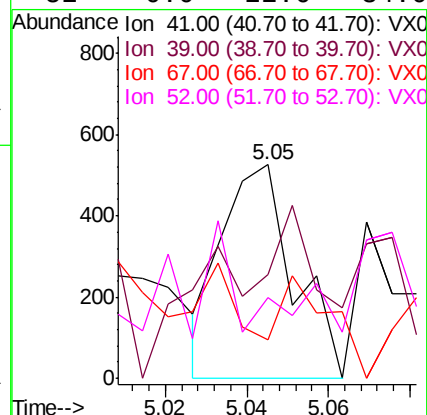
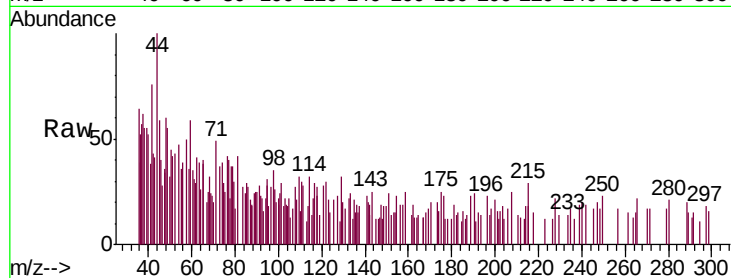




#41
Methacrylonitrile
Concen: 0.229 ug/l
RT: 5.05 min Scan# 682
Delta R.T. 0.01 min
Lab File: VX015199.D
Acq: 11 Mar 2020 14:39

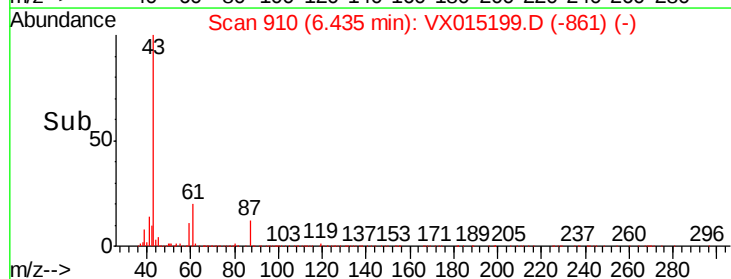
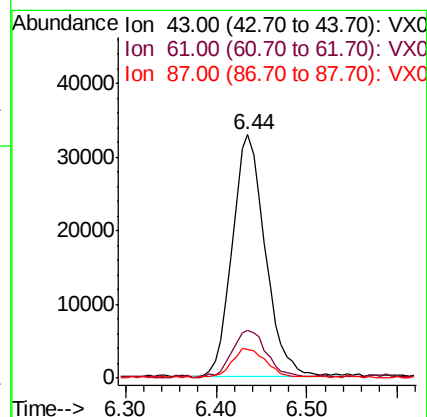
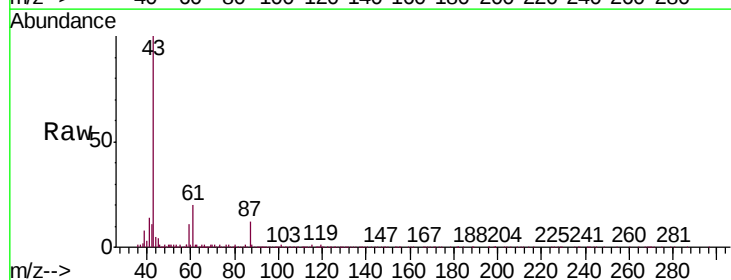
Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#08

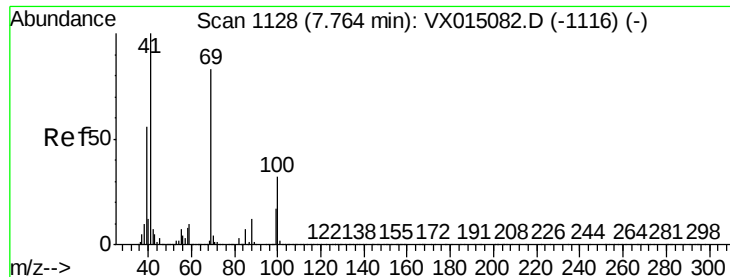
Tgt Ion:	41	Resp:	648
Ion	Ratio	Lower	Upper
41	100		
39	21.5	43.9	65.9#
67	32.7	57.8	86.8#
52	0.0	22.6	34.0#



#43
Isopropyl Acetate
Concen: 10.006 ug/l
RT: 6.44 min Scan# 910
Delta R.T. 0.00 min
Lab File: VX015199.D
Acq: 11 Mar 2020 14:39

Tgt Ion:	43	Resp:	82899
Ion	Ratio	Lower	Upper
43	100		
61	20.1	16.1	24.1
87	13.4	10.6	16.0

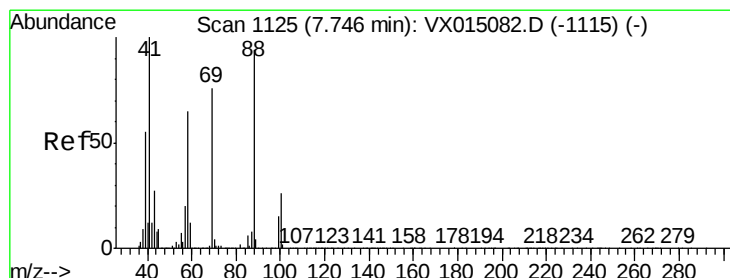
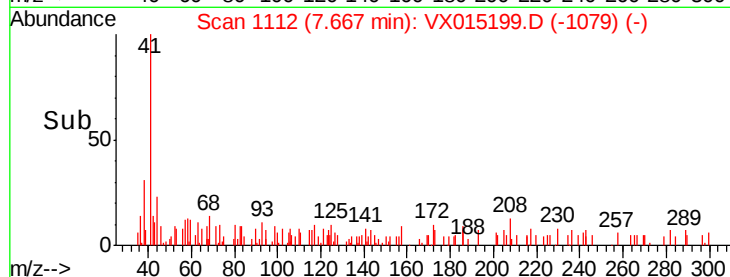
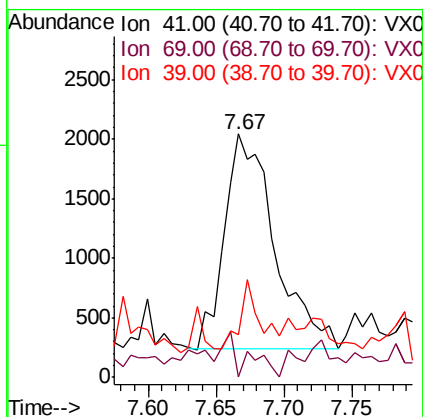
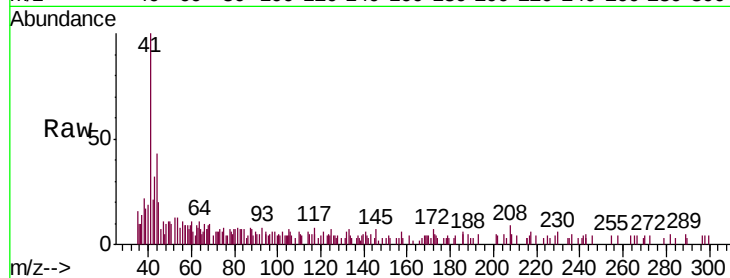




#48
Methyl methacrylate
Concen: 1.099 ug/l
RT: 7.67 min Scan# 1112
Delta R.T. -0.10 min
Lab File: VX015199.D
Acq: 11 Mar 2020 14:39

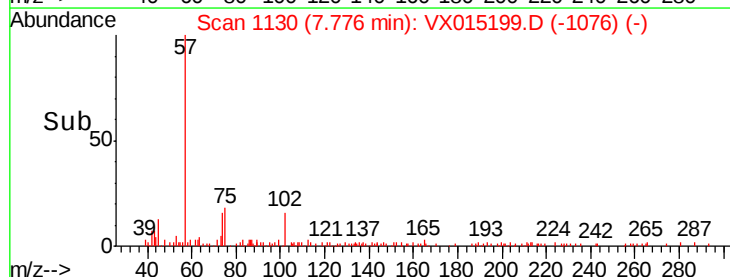
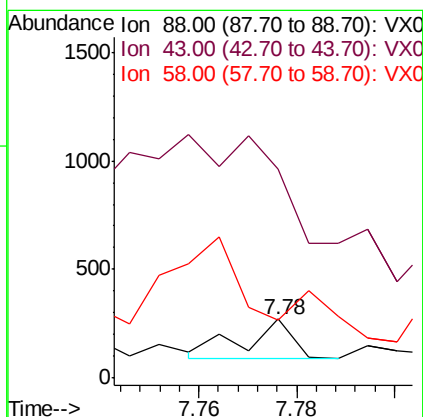
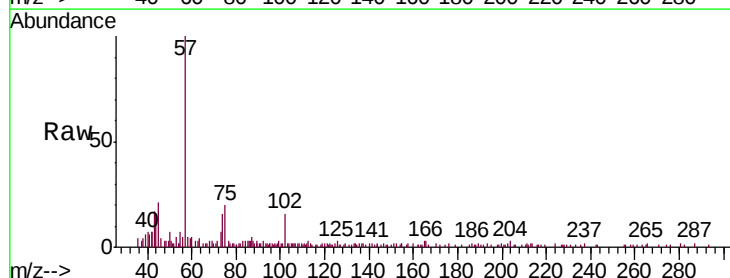
Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#08

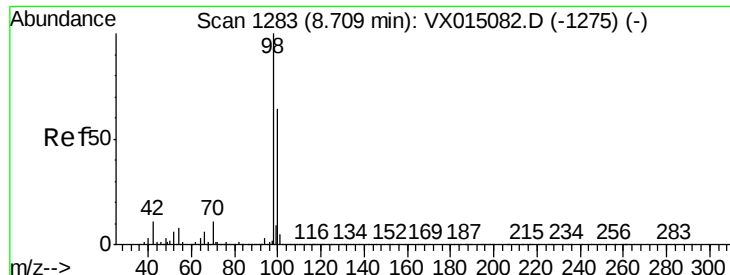
Tgt Ion: 41 Resp: 4633
Ion Ratio Lower Upper
41 100
69 4.9 65.4 98.2#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 1.349 ug/l
RT: 7.78 min Scan# 1130
Delta R.T. 0.03 min
Lab File: VX015199.D
Acq: 11 Mar 2020 14:39

Tgt Ion: 88 Resp: 123
Ion Ratio Lower Upper
88 100
43 0.0 27.0 40.4#
58 295.9 55.6 83.4#

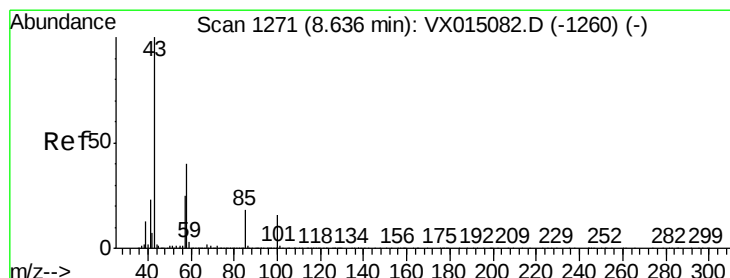
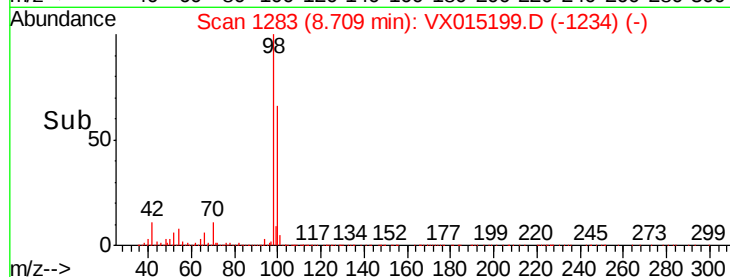
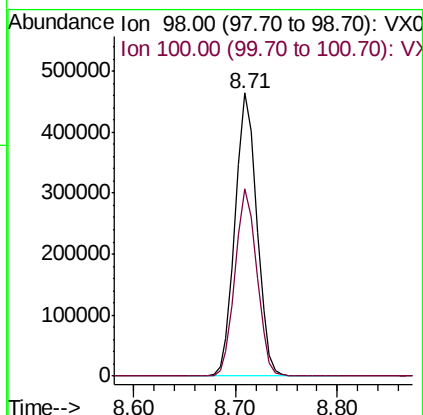
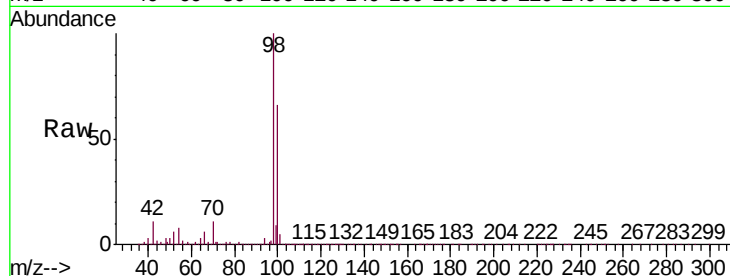




#50
Toluene-d8
Concen: 51.753 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX015199.D
Acq: 11 Mar 2020 14:39

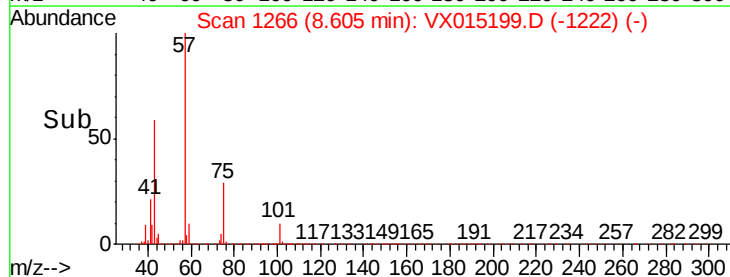
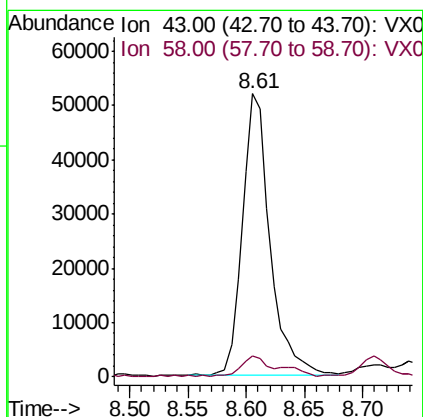
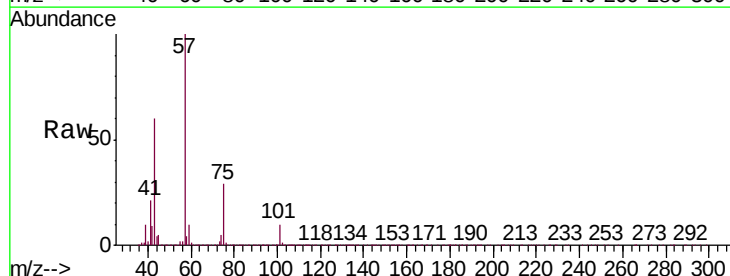
Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#08

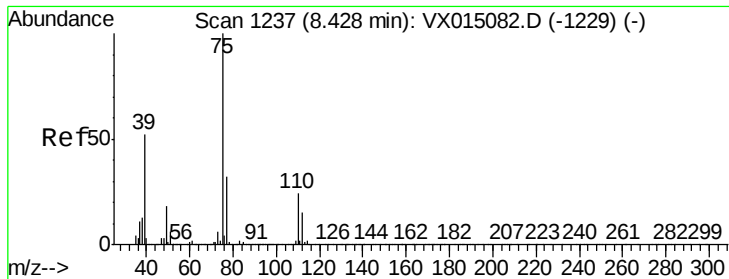
Tgt Ion: 98 Resp: 682035
Ion Ratio Lower Upper
98 100
100 66.0 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 17.554 ug/l
RT: 8.61 min Scan# 1266
Delta R.T. -0.03 min
Lab File: VX015199.D
Acq: 11 Mar 2020 14:39

Tgt Ion: 43 Resp: 85984
Ion Ratio Lower Upper
43 100
58 9.1 31.6 47.4#



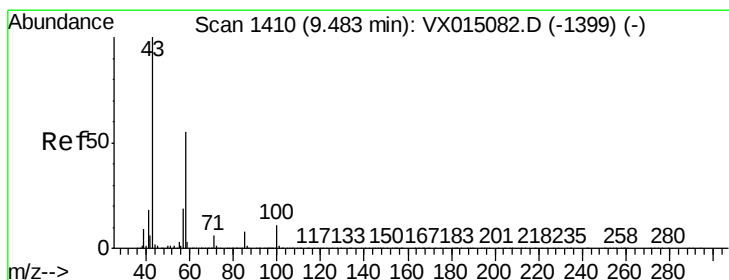
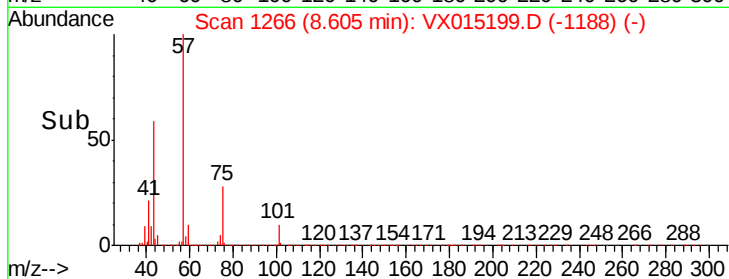
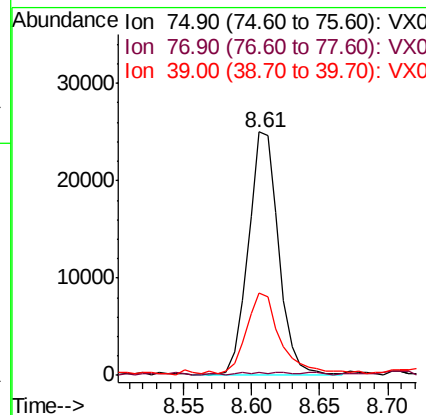
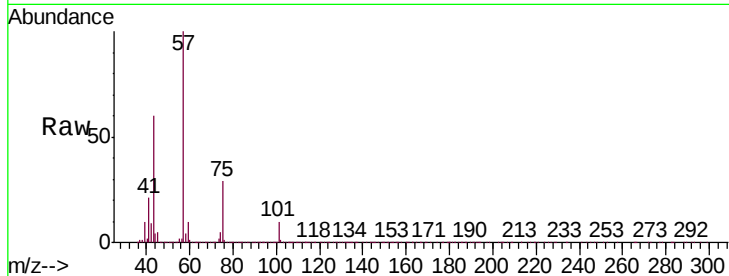


#54

cis-1,3-Dichloropropene
 Concen: 6.467 ug/l
 RT: 8.61 min Scan# 1266
 Delta R.T. 0.18 min
 Lab File: VX015199.D
 Acq: 11 Mar 2020 14:39

Instrument :
 MSVOA_X
 ClientSampleId :
 PB127431ZHE#08

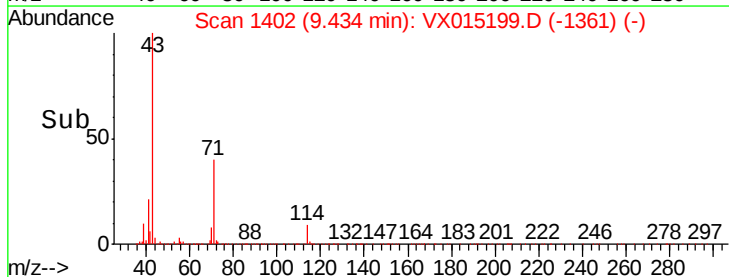
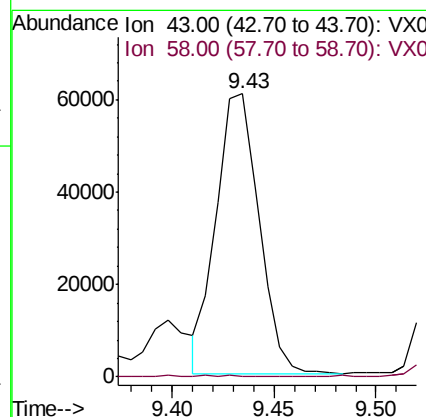
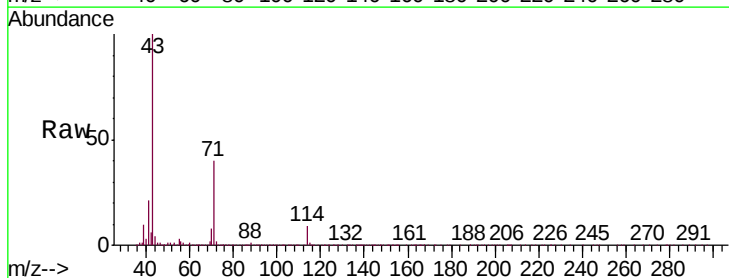
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.9	25.8	38.6#
39	32.8	41.3	61.9#

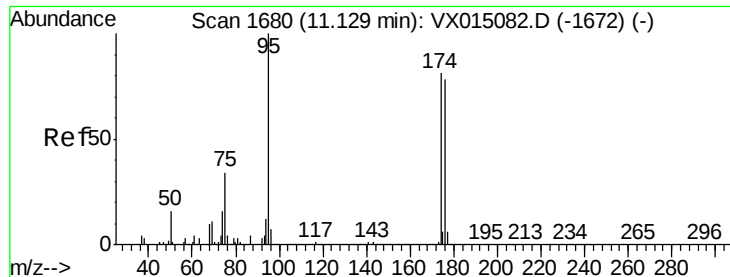


#59

2-Hexanone
 Concen: 24.301 ug/l
 RT: 9.43 min Scan# 1402
 Delta R.T. -0.05 min
 Lab File: VX015199.D
 Acq: 11 Mar 2020 14:39

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





#62

4-Bromofluorobenzene

Concen: 52.818 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX015199.D

Acq: 11 Mar 2020 14:39

Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#08

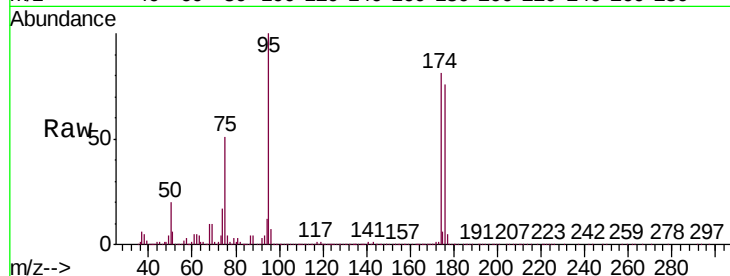
Tgt Ion: 95 Resp: 248280

Ion Ratio Lower Upper

95 100

174 89.8 0.0 177.6

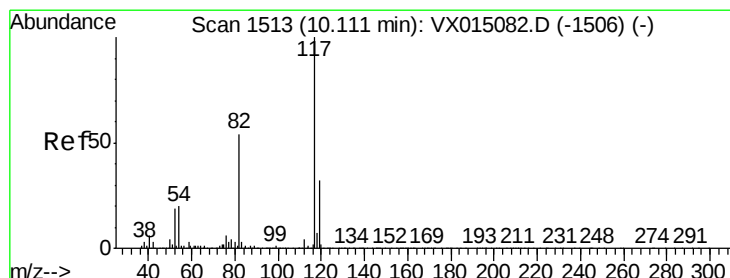
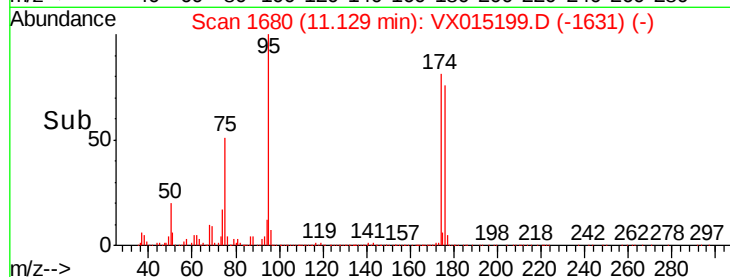
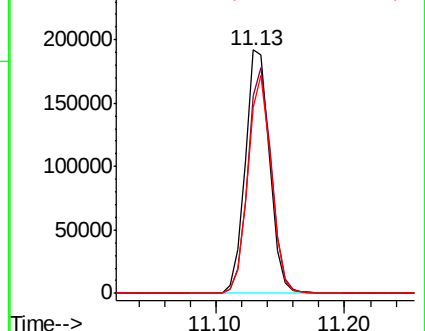
176 86.6 0.0 170.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX015199.D

Acq: 11 Mar 2020 14:39

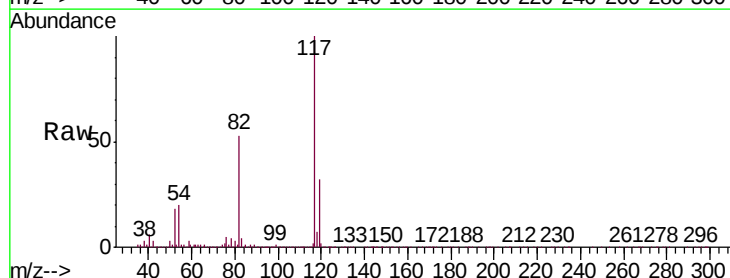
Tgt Ion: 117 Resp: 545832

Ion Ratio Lower Upper

117 100

82 53.2 43.3 64.9

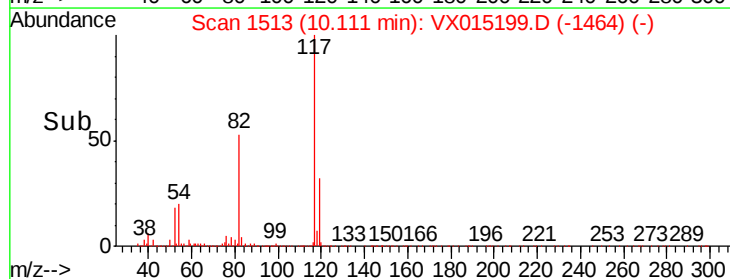
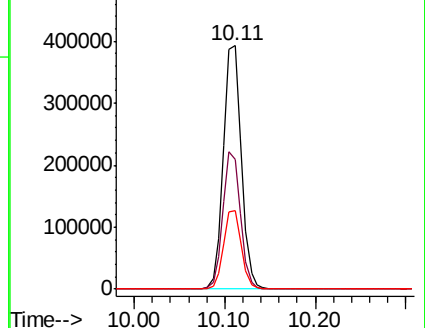
119 32.0 25.8 38.8

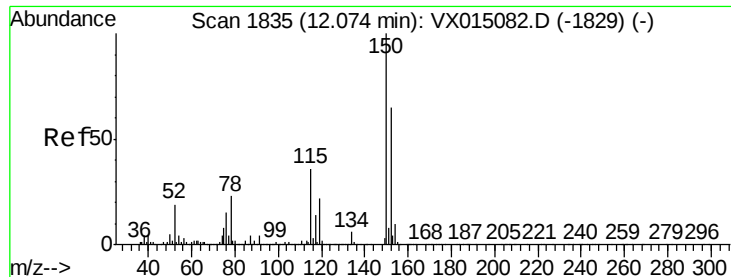


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX015199.D

Acq: 11 Mar 2020 14:39

Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#08

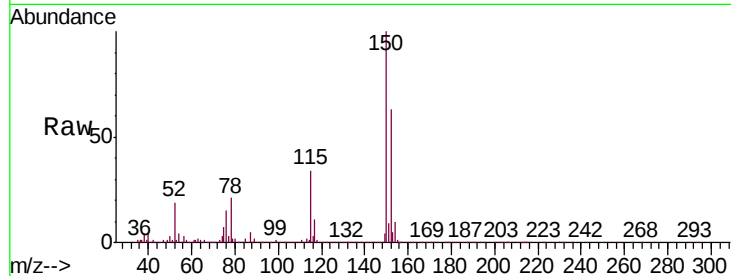
Tgt Ion: 152 Resp: 267398

Ion Ratio Lower Upper

152 100

115 55.1 38.2 114.6

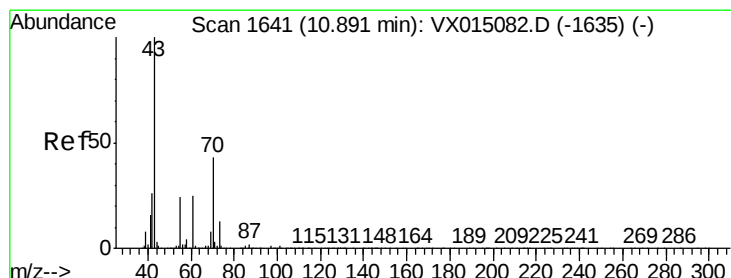
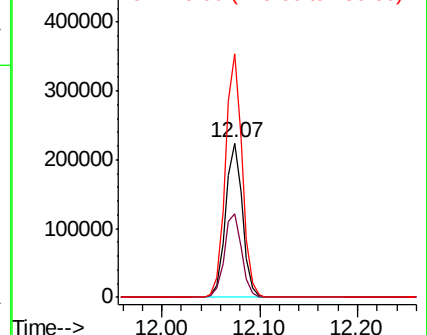
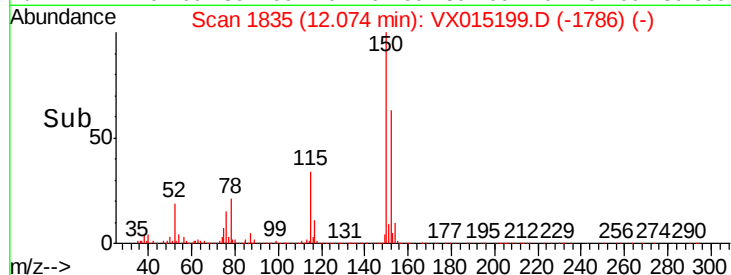
150 156.3 0.0 343.8



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: 0.527 ug/l

RT: 10.82 min Scan# 1629

Delta R.T. -0.07 min

Lab File: VX015199.D

Acq: 11 Mar 2020 14:39

Tgt Ion: 43 Resp: 3792

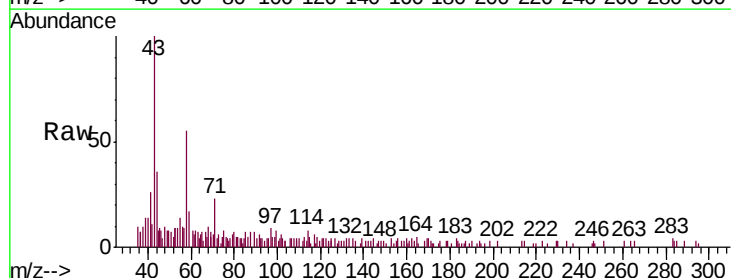
Ion Ratio Lower Upper

43 100

70 6.3 34.7 52.1#

55 3.9 19.4 29.0#

61 0.0 19.0 28.6#

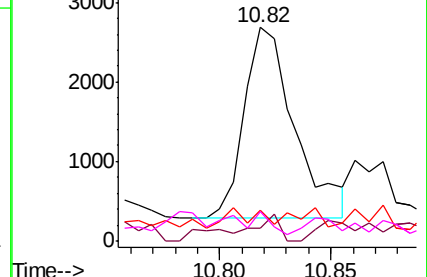
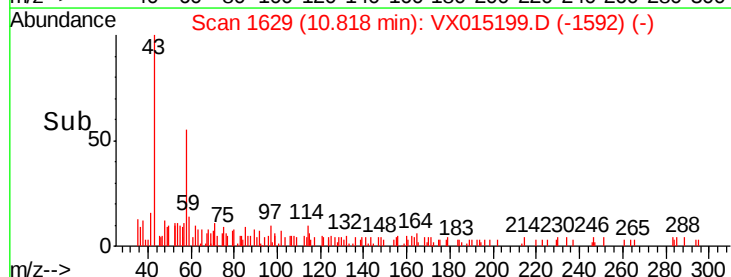


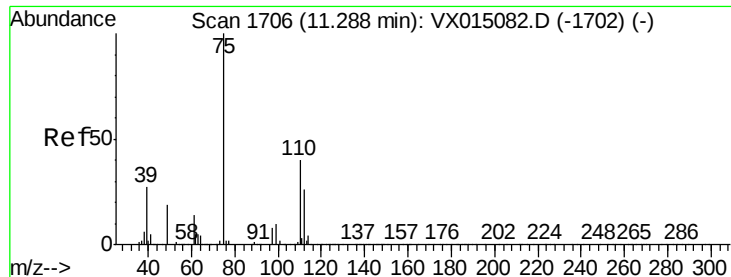
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 23.124 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015199.D

Acq: 11 Mar 2020 14:39

Instrument :

MSVOA_X

ClientSampleId :

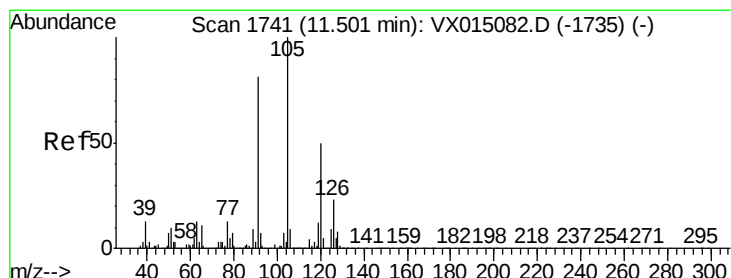
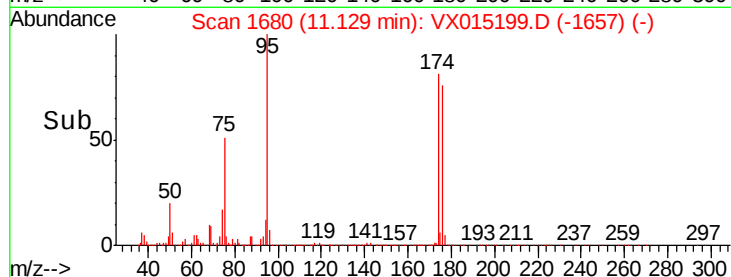
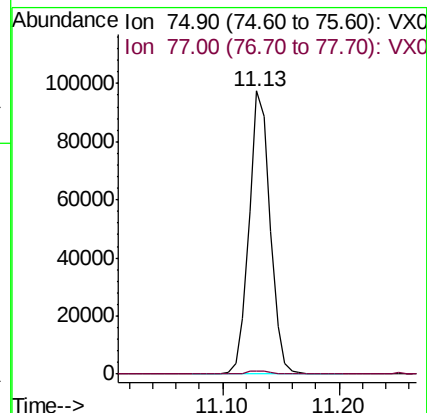
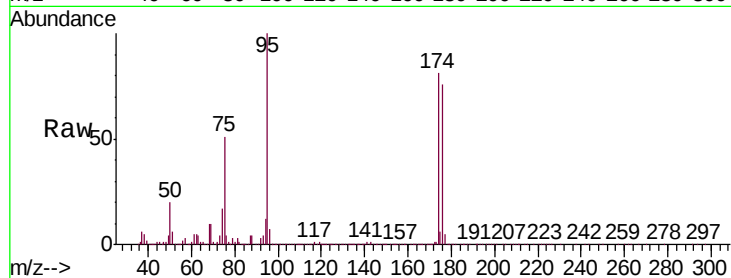
PB127431ZHE#08

Tgt Ion: 75 Resp: 123336

Ion Ratio Lower Upper

75 100

77 1.1 22.6 67.8#



#80

1,3,5-Trimethylbenzene

Concen: 0.702 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX015199.D

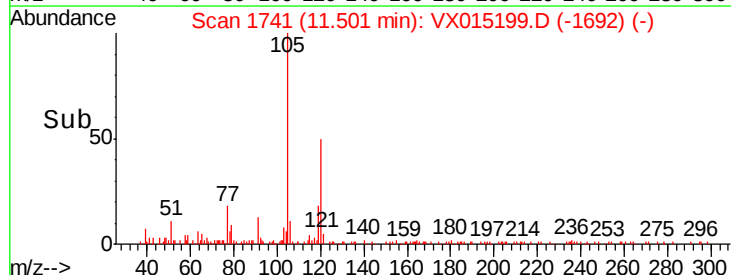
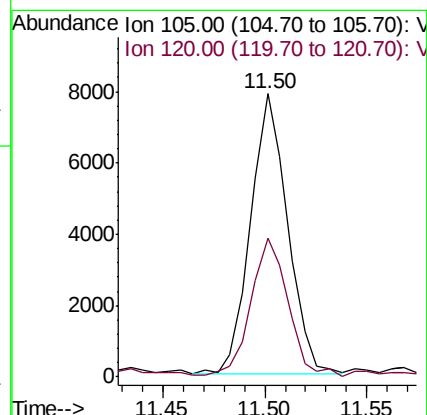
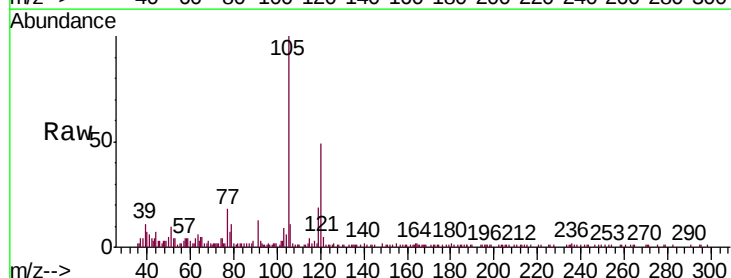
Acq: 11 Mar 2020 14:39

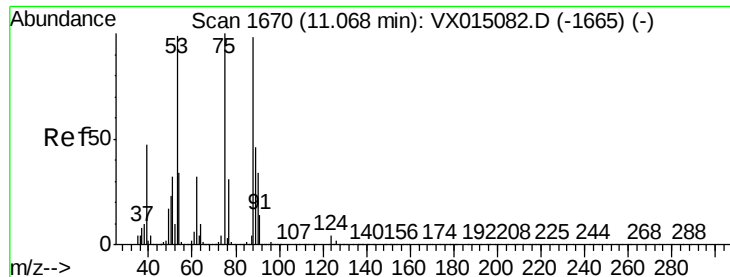
Tgt Ion: 105 Resp: 9981

Ion Ratio Lower Upper

105 100

120 50.2 25.1 75.4

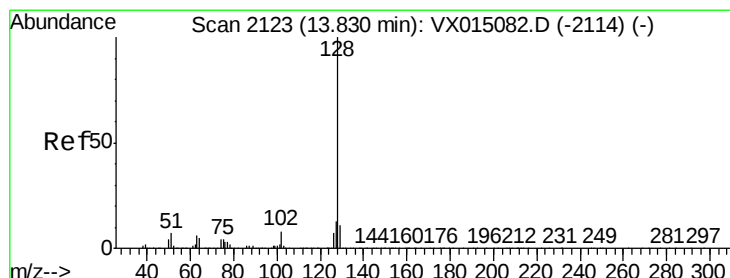
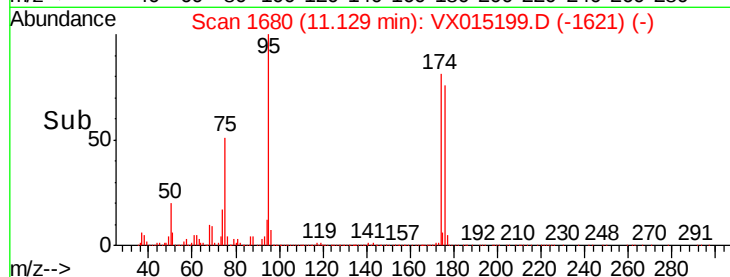
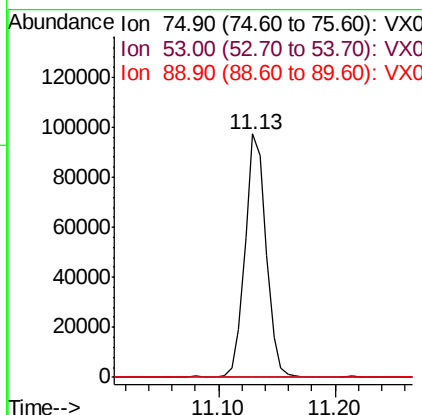
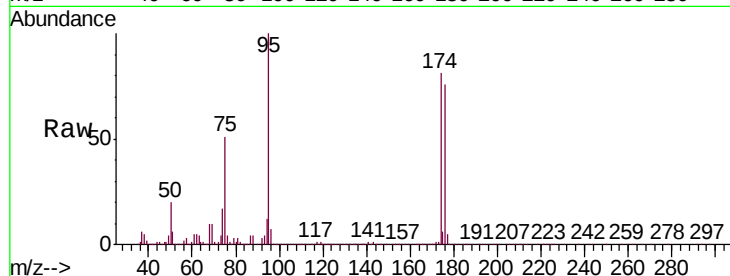




#81
trans-1,4-Dichloro-2-butene
Concen: 65.625 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX015199.D
Acq: 11 Mar 2020 14:39

Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#08

Tgt Ion: 75 Resp: 123336
Ion Ratio Lower Upper
75 100
53 0.4 77.9 116.9#
89 0.0 36.2 54.2#



#95
Naphthalene
Concen: 1.440 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX015199.D
Acq: 11 Mar 2020 14:39

Tgt Ion: 128 Resp: 365
Ion Ratio Lower Upper
128 100
127 111.5 10.3 15.5#
129 47.7 8.6 13.0#

