

Data File : VX015197.D
Acq On : 11 Mar 2020 13:54
Operator : JC/SP
Sample : PB127431ZHE#06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#06

Quant Time: Mar 12 05:47:12 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	319992	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	544134	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	532193	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	260959	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	204606	53.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.80%	
35) Dibromofluoromethane	5.49	113	171151	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	8.71	98	675363	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	
62) 4-Bromofluorobenzene	11.13	95	243346	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	

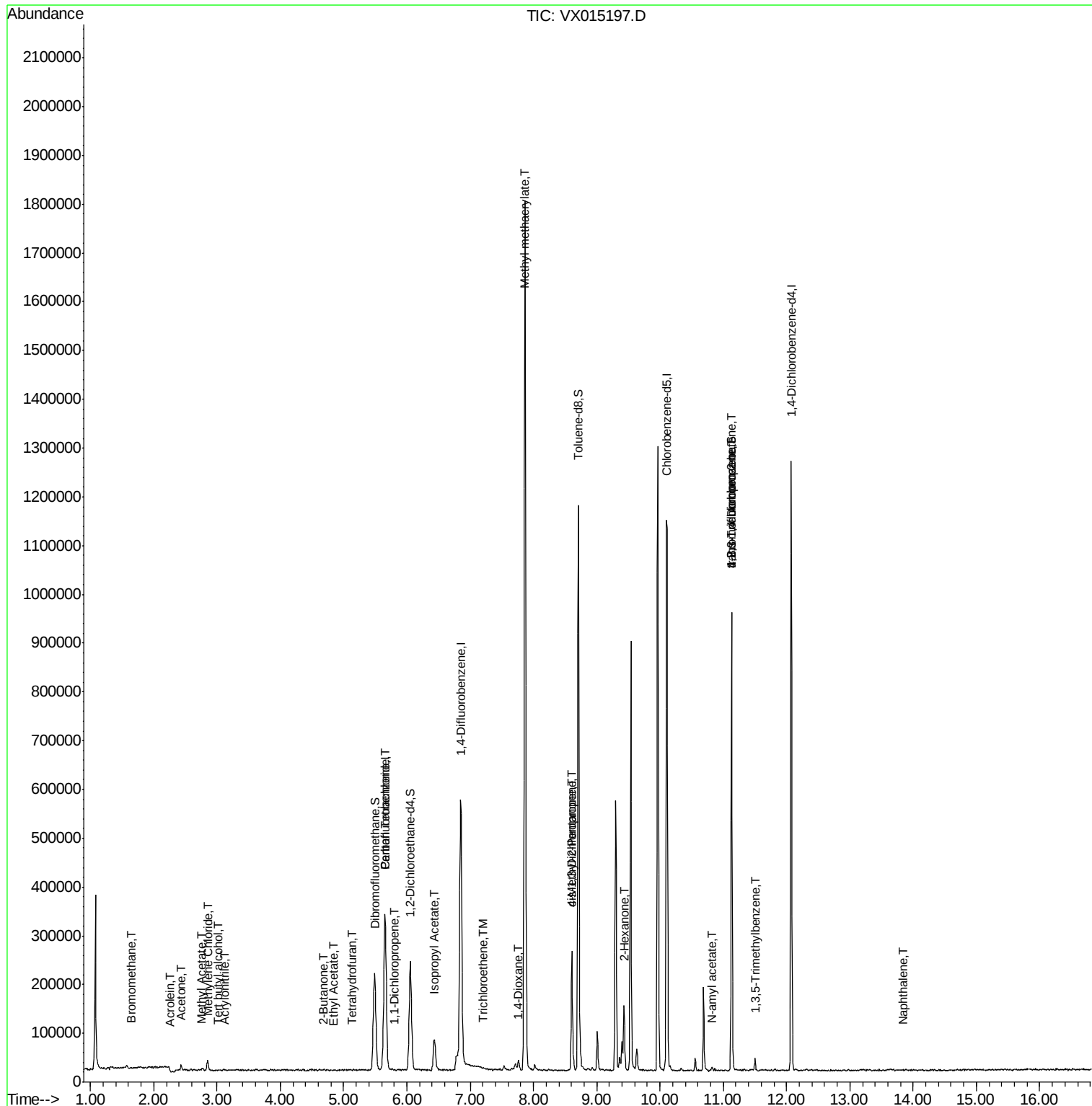
Target Compounds						Qvalue
5) Bromomethane	1.66	94	1024	0.414	ug/l	90
11) Tert butyl alcohol	3.03	59	327	0.496	ug/l #	66
13) Acrolein	2.27	56	162	0.262	ug/l #	9
15) Acrylonitrile	3.13	53	400	0.244	ug/l #	33
16) Acetone	2.43	43	11619	7.557	ug/l	92
18) Methyl Acetate	2.76	43	4349	1.157	ug/l #	85
20) Methylene Chloride	2.85	84	9472	2.633	ug/l	95
25) 2-Butanone	4.68	43	4405	1.957	ug/l	90
29) Tetrahydrofuran	5.13	42	430	0.296	ug/l #	87
36) 1,1-Dichloropropene	5.81	75	1059	0.211	ug/l #	50
37) Ethyl Acetate	4.83	43	1025	0.220	ug/l #	58
38) Carbon Tetrachloride	5.65	117	29673	6.249	ug/l #	18
43) Isopropyl Acetate	6.43	43	85410	10.405	ug/l	99
44) Trichloroethene	7.21	130	929	0.224	ug/l	39
48) Methyl methacrylate	7.87	41	152457	36.491	ug/l #	43
49) 1,4-Dioxane	7.75	88	55	0.609	ug/l #	23
51) 4-Methyl-2-Pentanone	8.61	43	89568	18.455	ug/l #	50
54) cis-1,3-Dichloropropene	8.61	75	40476	6.758	ug/l #	61
59) 2-Hexanone	9.43	43	105866	29.430	ug/l #	24
74) N-amyl acetate	10.82	43	3344	0.476	ug/l #	54
76) 1,2,3-Trichloropropane	11.13	75	121010	23.247	ug/l #	34
80) 1,3,5-Trimethylbenzene	11.50	105	10879	0.784	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.13	75	121010	65.976	ug/l #	11
95) Naphthalene	13.84	128	864	1.468	ug/l #	77

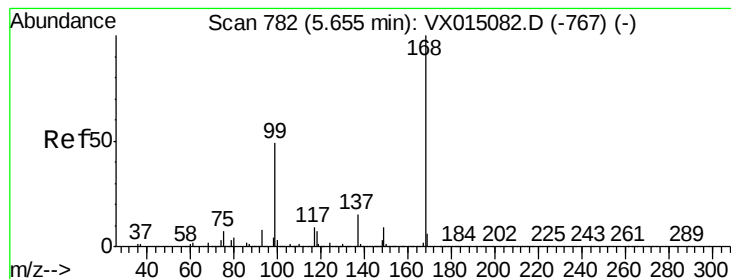
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 12 05:47:12 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 04 14:19:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX015197.D

Acq: 11 Mar 2020 13:54

Instrument :

MSVOA_X

ClientSampleId :

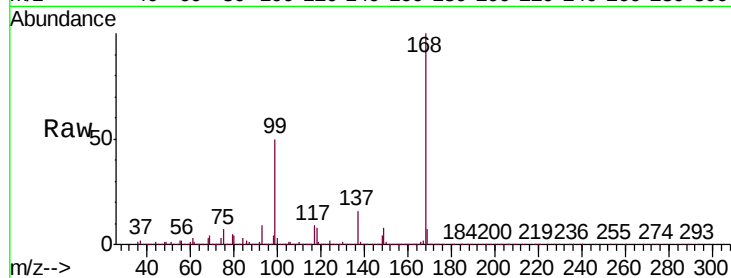
PB127431ZHE#06

Tgt Ion:168 Resp: 319992

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

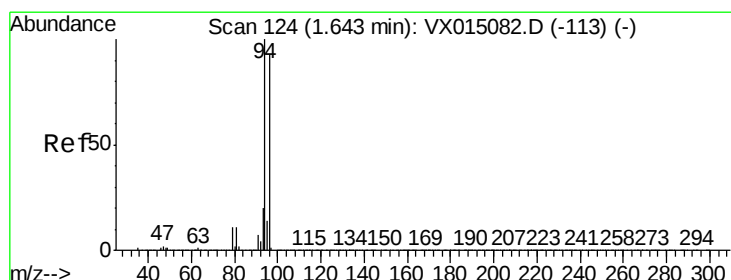
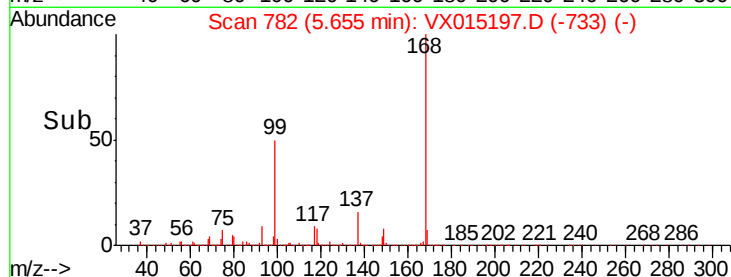
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.414 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.01 min

Lab File: VX015197.D

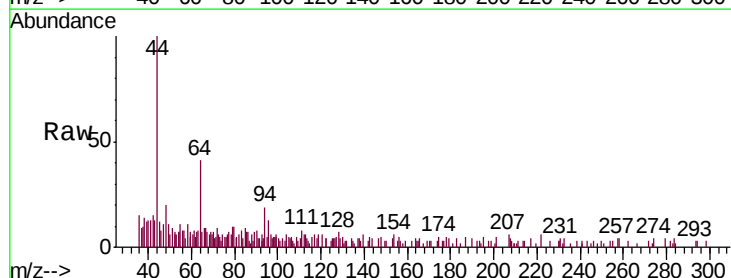
Acq: 11 Mar 2020 13:54

Tgt Ion: 94 Resp: 1024

Ion Ratio Lower Upper

94 100

96 83.2 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

500

400

300

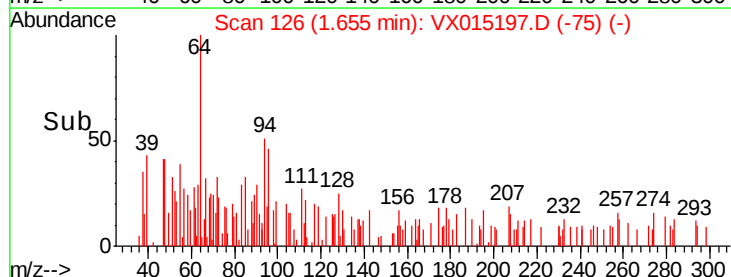
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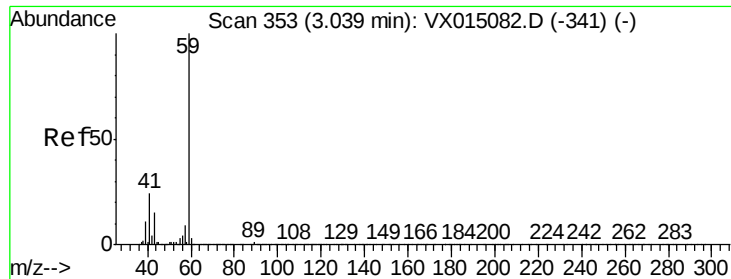
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0

Time-->

1.65 1.70

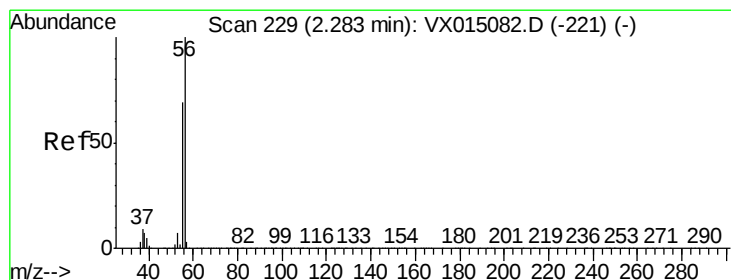
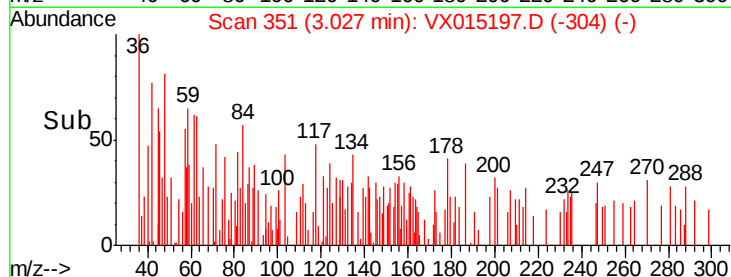
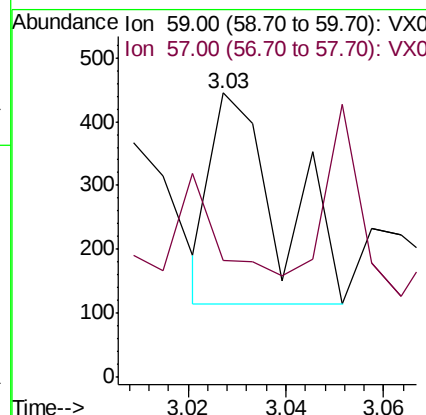
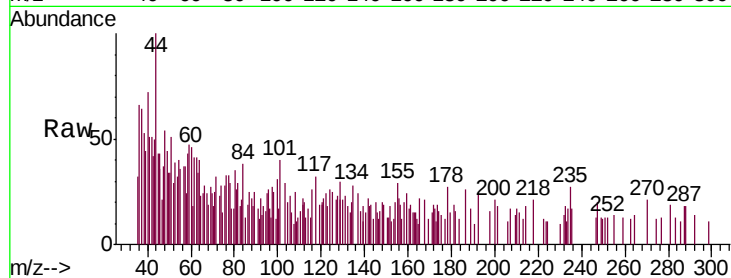




#11
Tert butyl alcohol
Concen: 0.496 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX015197.D
Acq: 11 Mar 2020 13:54

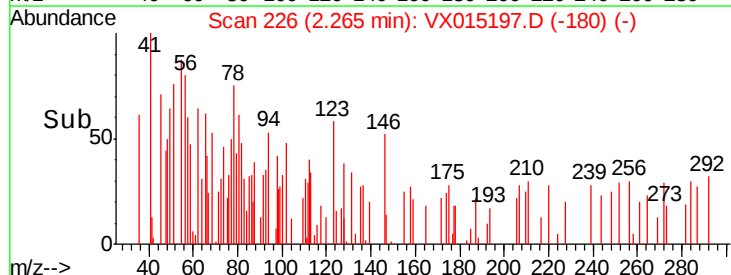
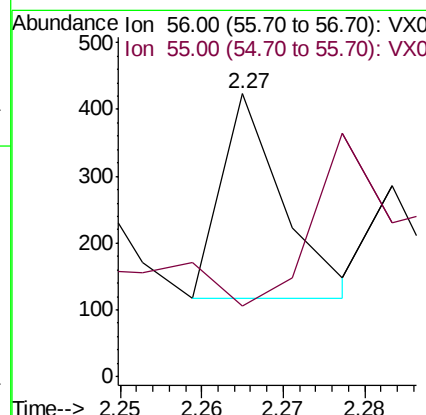
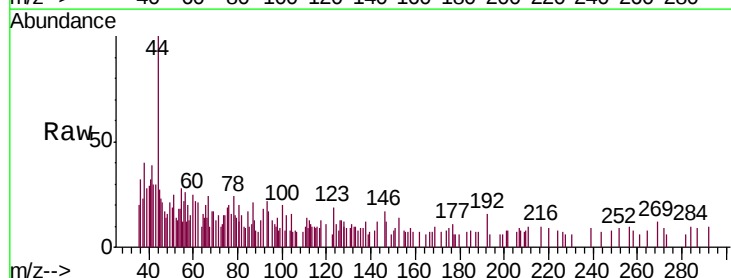
Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#06

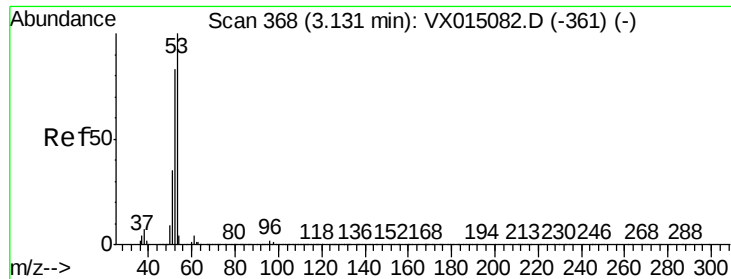
Tgt Ion: 59 Resp: 327
Ion Ratio Lower Upper
59 100
57 22.9 8.2 12.4#



#13
Acrolein
Concen: 0.262 ug/l
RT: 2.27 min Scan# 226
Delta R.T. -0.02 min
Lab File: VX015197.D
Acq: 11 Mar 2020 13:54

Tgt Ion: 56 Resp: 162
Ion Ratio Lower Upper
56 100
55 143.2 55.4 83.0#

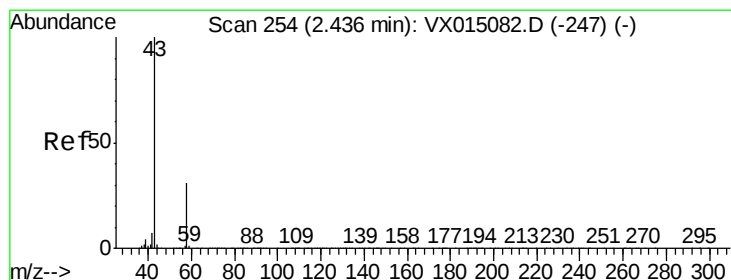
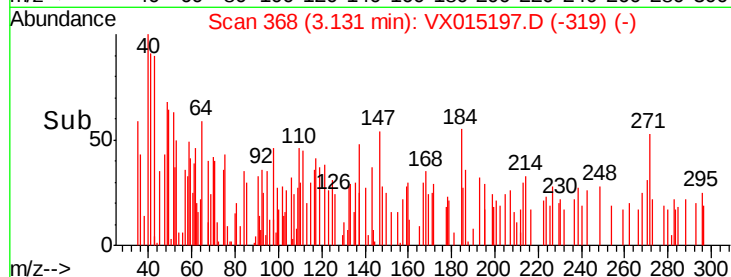
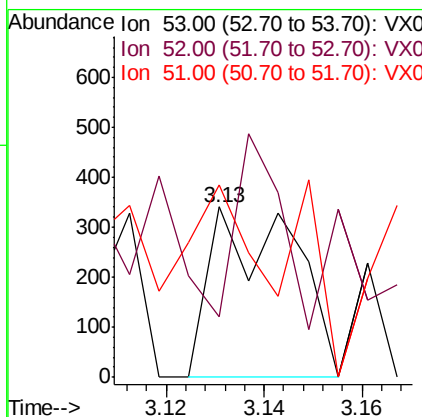
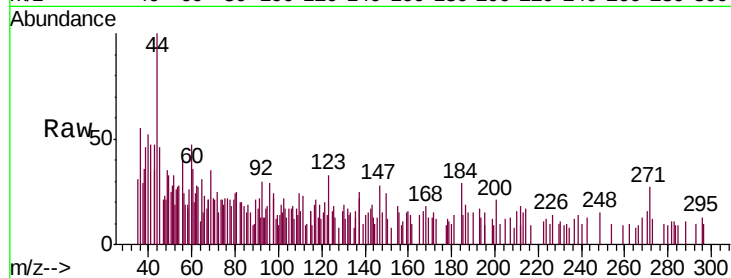




#15
Acrylonitrile
Concen: 0.244 ug/l
RT: 3.13 min Scan# 368
Delta R.T. 0.00 min
Lab File: VX015197.D
Acq: 11 Mar 2020 13:54

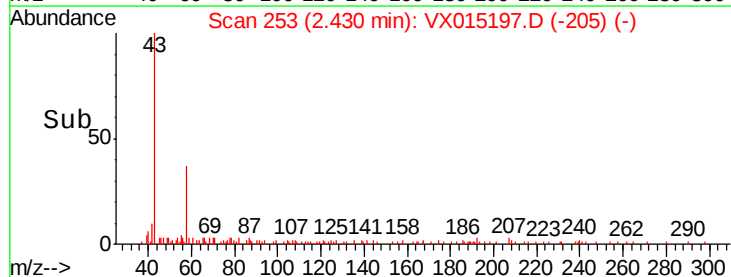
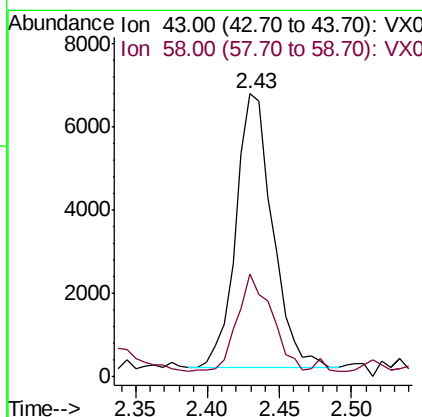
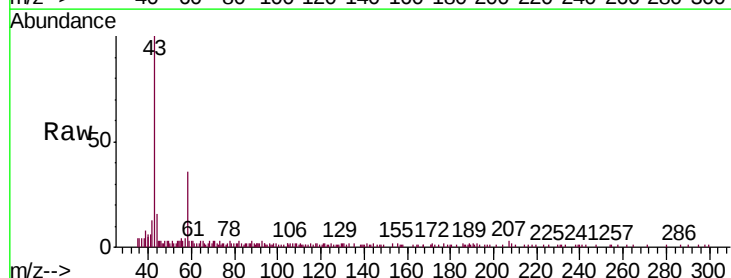
Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#06

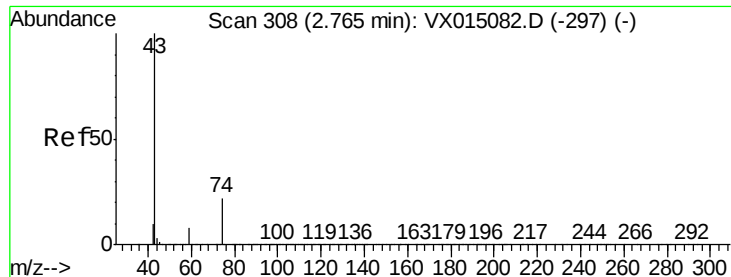
Tgt Ion: 53 Resp: 400
Ion Ratio Lower Upper
53 100
52 61.3 66.6 100.0#
51 133.5 29.0 43.6#



#16
Acetone
Concen: 7.557 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX015197.D
Acq: 11 Mar 2020 13:54

Tgt Ion: 43 Resp: 11619
Ion Ratio Lower Upper
43 100
58 35.6 24.8 37.2

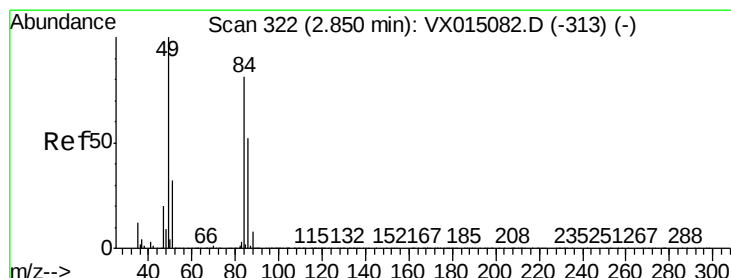
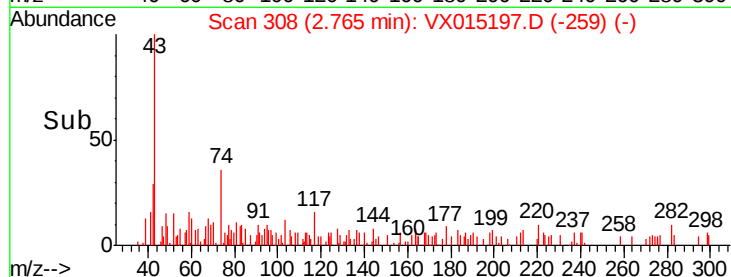
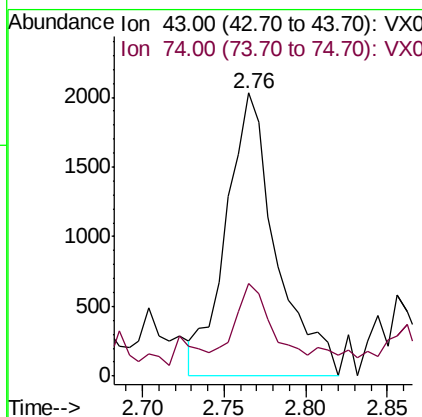
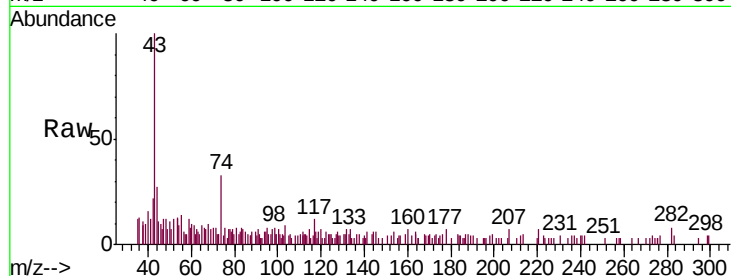




#18
Methyl Acetate
Concen: 1.157 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX015197.D
Acq: 11 Mar 2020 13:54

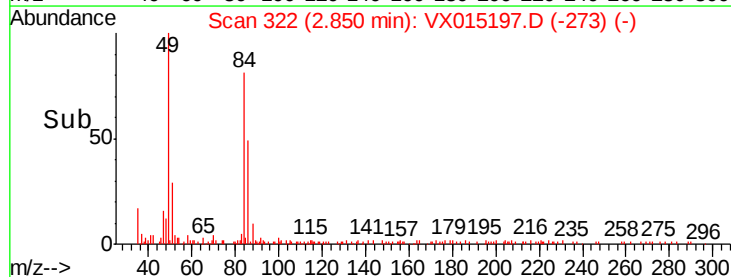
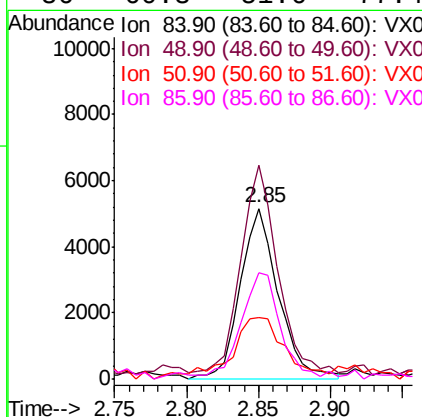
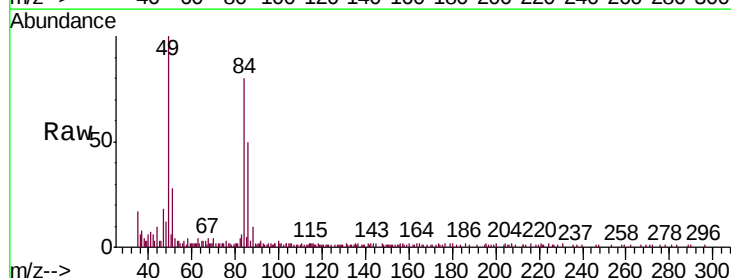
Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#06

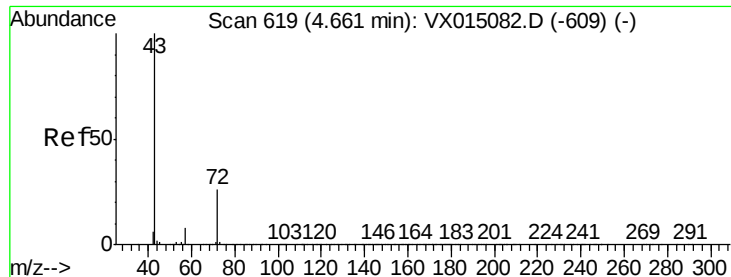
Tgt Ion: 43 Resp: 4349
Ion Ratio Lower Upper
43 100
74 16.2 18.8 28.2#



#20
Methylene Chloride
Concen: 2.633 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX015197.D
Acq: 11 Mar 2020 13:54

Tgt Ion: 84 Resp: 9472
Ion Ratio Lower Upper
84 100
49 121.8 99.4 149.2
51 32.4 31.5 47.3
86 60.3 51.6 77.4

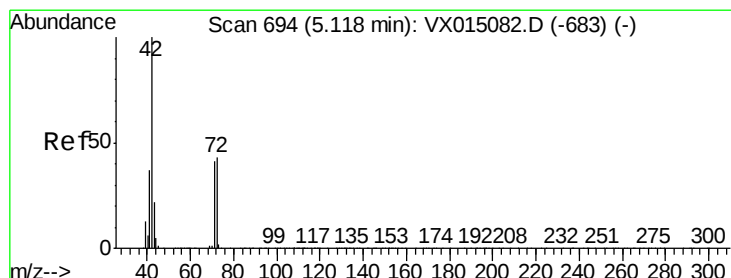
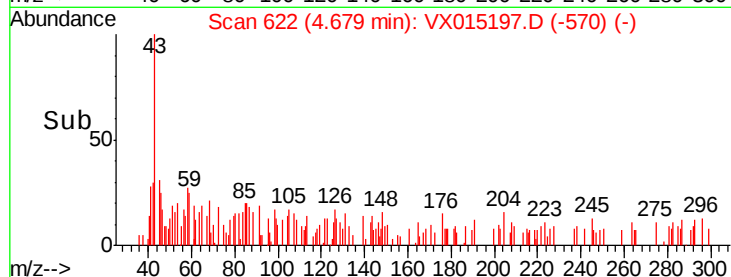
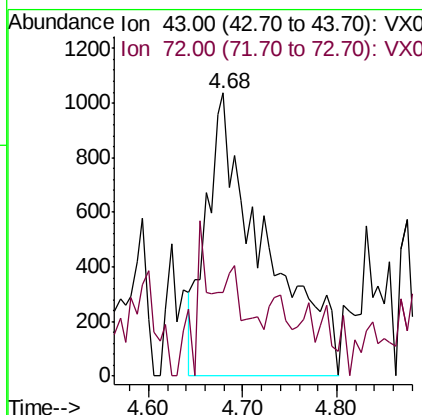
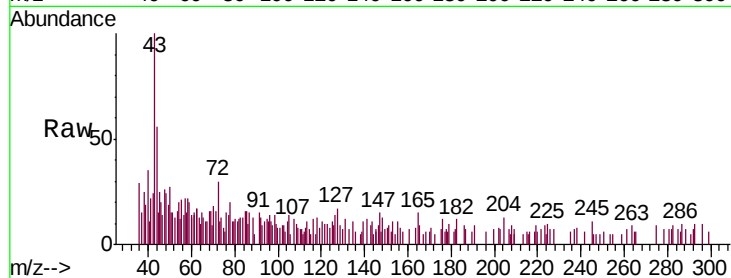




#25
2-Butanone
Concen: 1.957 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX015197.D
Acq: 11 Mar 2020 13:54

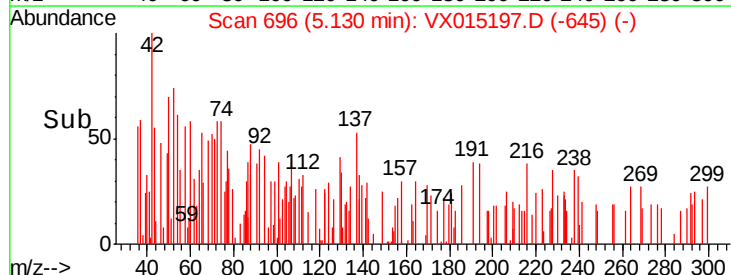
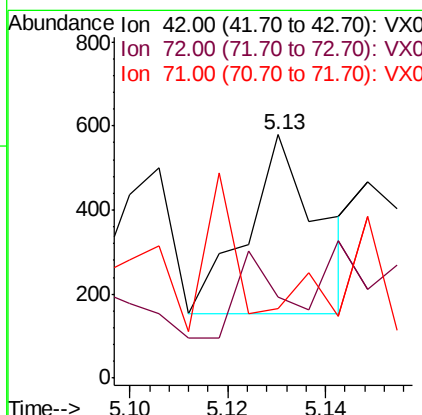
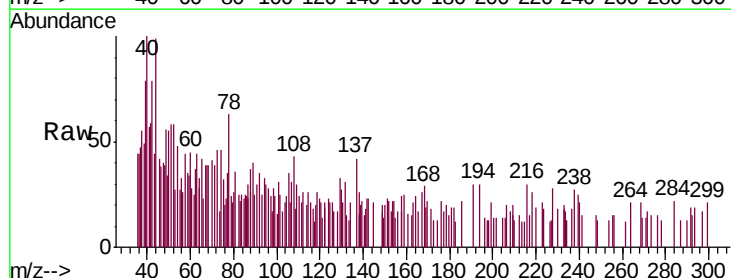
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ClientSampleId :
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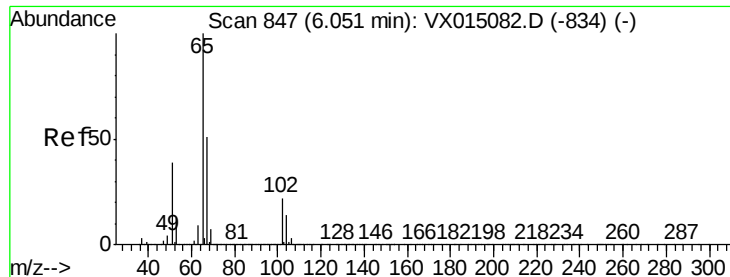
Tgt Ion: 43 Resp: 4405
Ion Ratio Lower Upper
43 100
72 20.8 20.6 30.8



#29
Tetrahydrofuran
Concen: 0.296 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.01 min
Lab File: VX015197.D
Acq: 11 Mar 2020 13:54

Tgt Ion: 42 Resp: 430
Ion Ratio Lower Upper
42 100
72 31.6 36.4 54.6#
71 44.2 33.3 49.9

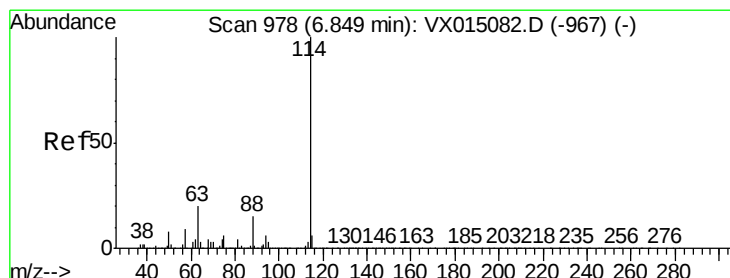
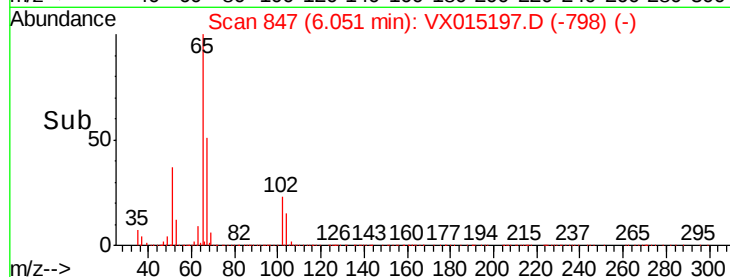
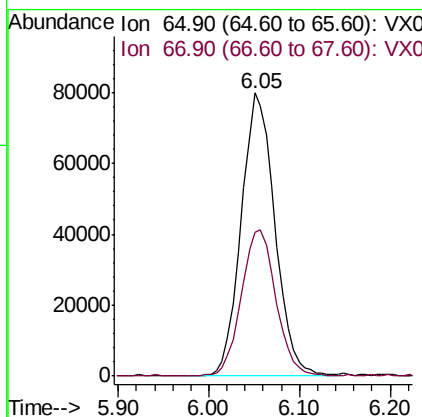
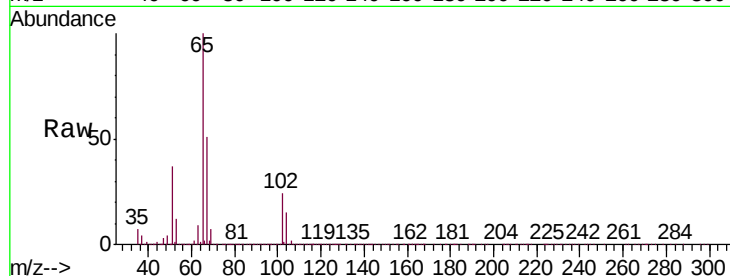




#33
 1,2-Dichloroethane-d4
 Concen: 53.896 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX015197.D
 Acq: 11 Mar 2020 13:54

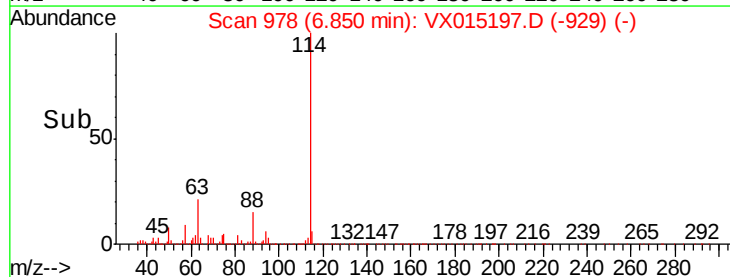
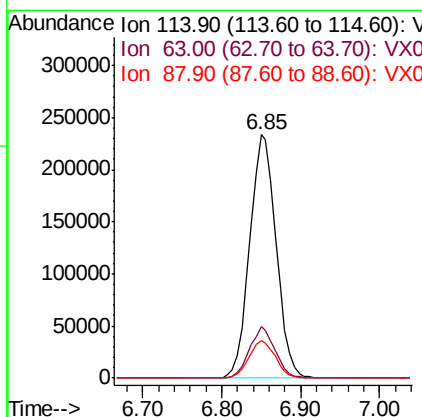
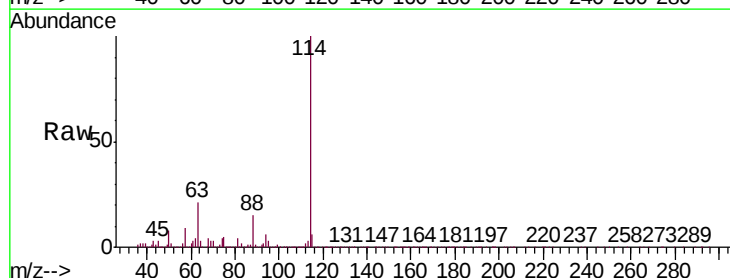
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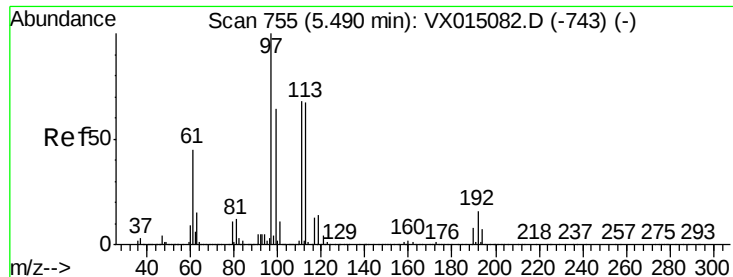
Tgt Ion: 65 Resp: 204606
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX015197.D
 Acq: 11 Mar 2020 13:54

Tgt Ion: 114 Resp: 544134
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 40.0
 88 15.2 0.0 30.6

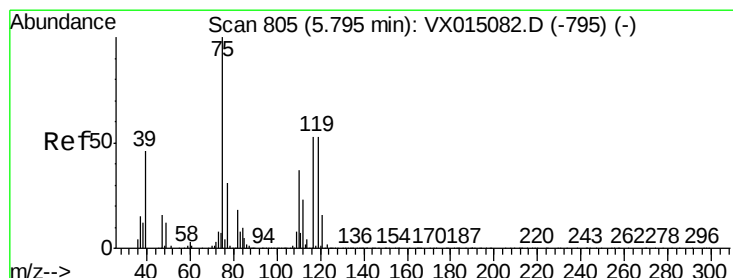
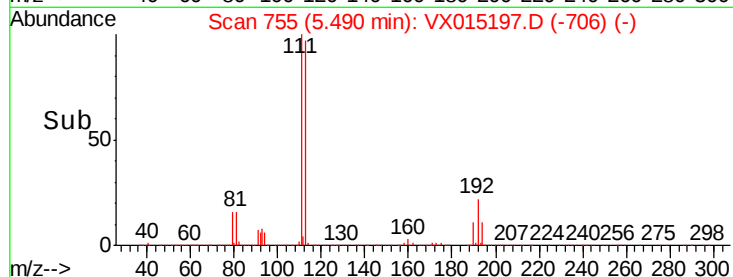
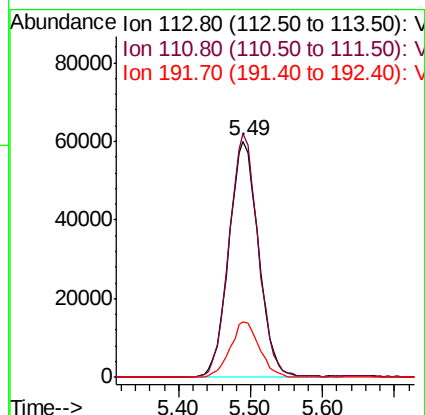
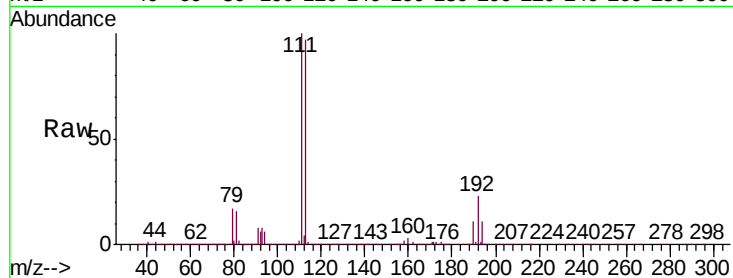




#35
 Dibromofluoromethane
 Concen: 49.858 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX015197.D
 Acq: 11 Mar 2020 13:54

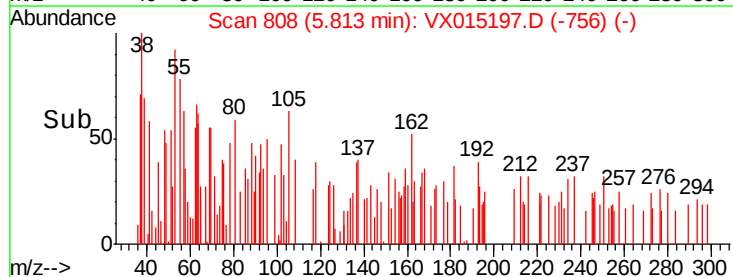
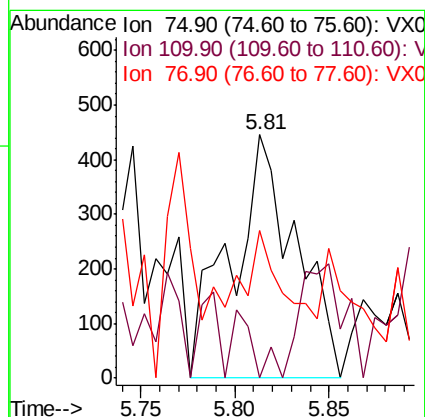
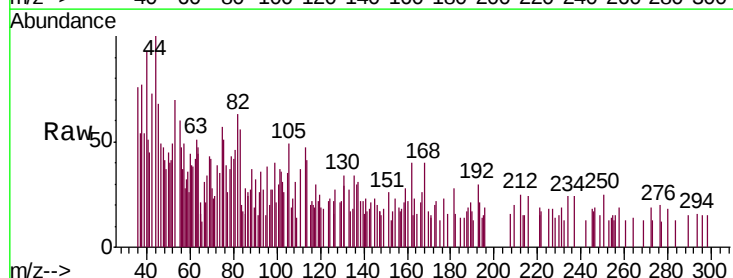
Instrument :
 MSVOA_X
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 PB127431ZHE#06

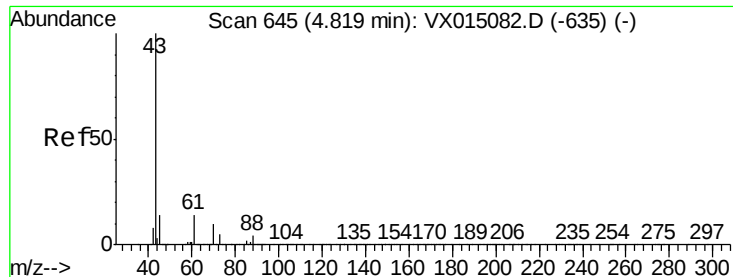
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.6	123.8
192	23.4	18.6	28.0



#36
 1,1-Dichloropropene
 Concen: 0.211 ug/l
 RT: 5.81 min Scan# 808
 Delta R.T. 0.02 min
 Lab File: VX015197.D
 Acq: 11 Mar 2020 13:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.9	53.8#
77	11.0	24.8	37.2#

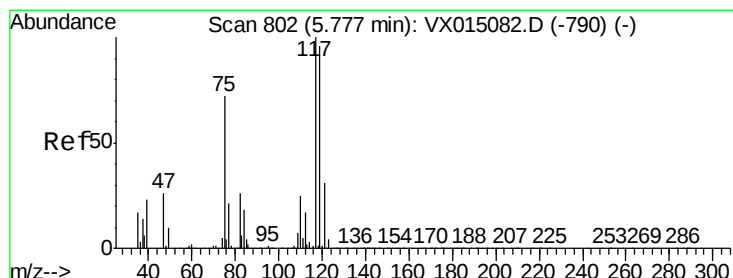
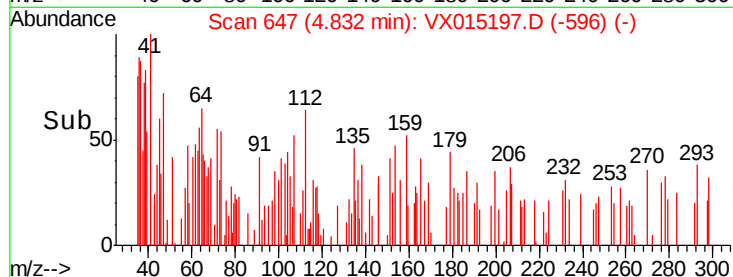
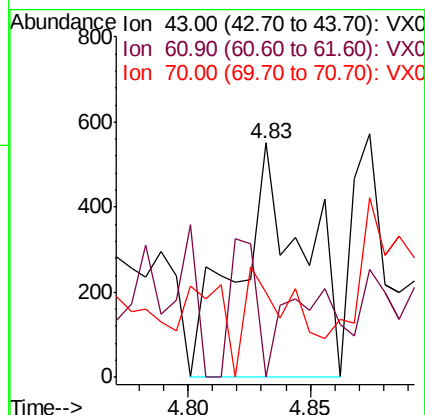
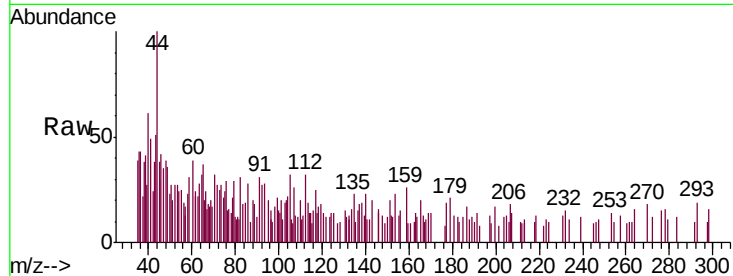




#37
Ethyl Acetate
Concen: 0.220 ug/l
RT: 4.83 min Scan# 647
Delta R.T. 0.01 min
Lab File: VX015197.D
Acq: 11 Mar 2020 13:54

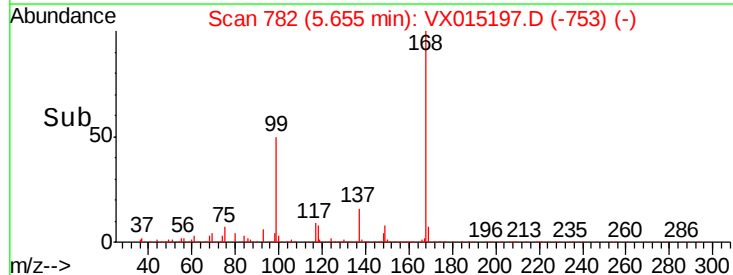
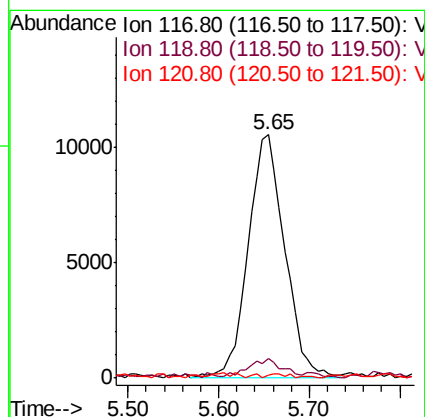
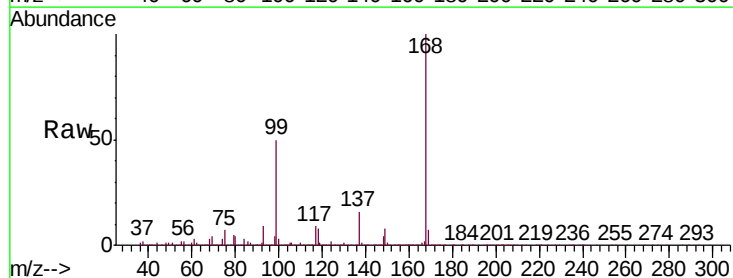
Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#06

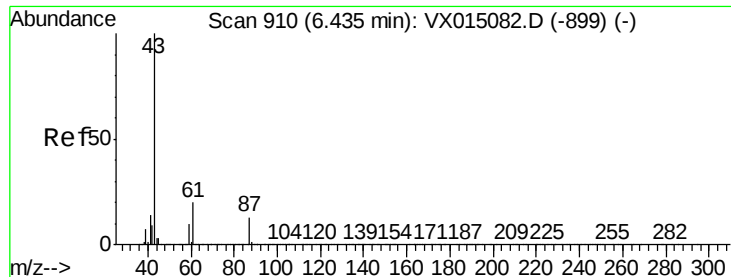
Tgt Ion: 43 Resp: 1025
Ion Ratio Lower Upper
43 100
61 22.8 11.0 16.4#
70 35.8 8.1 12.1#



#38
Carbon Tetrachloride
Concen: 6.249 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX015197.D
Acq: 11 Mar 2020 13:54

Tgt Ion: 117 Resp: 29673
Ion Ratio Lower Upper
117 100
119 7.9 76.9 115.3#
121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 10.405 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX015197.D

Acq: 11 Mar 2020 13:54

Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#06

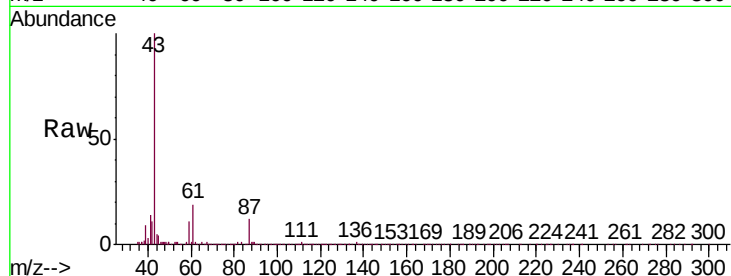
Tgt Ion: 43 Resp: 85410

Ion Ratio Lower Upper

43 100

61 20.3 16.1 24.1

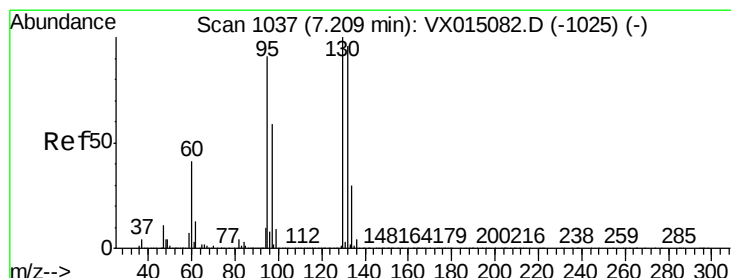
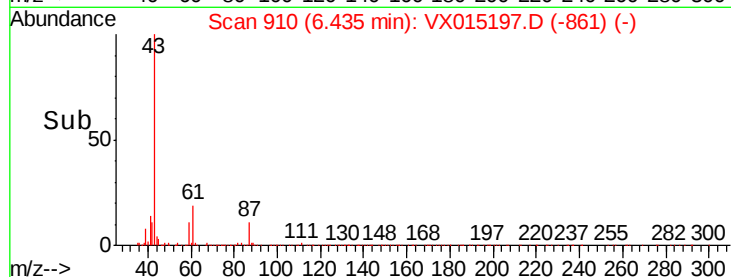
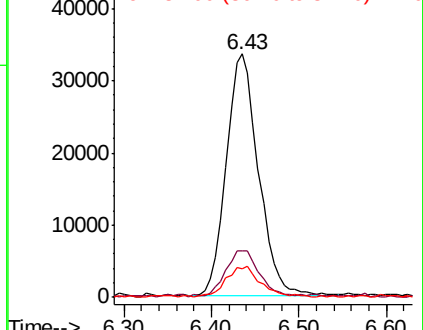
87 12.6 10.6 16.0



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



#44

Trichloroethene

Concen: 0.224 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX015197.D

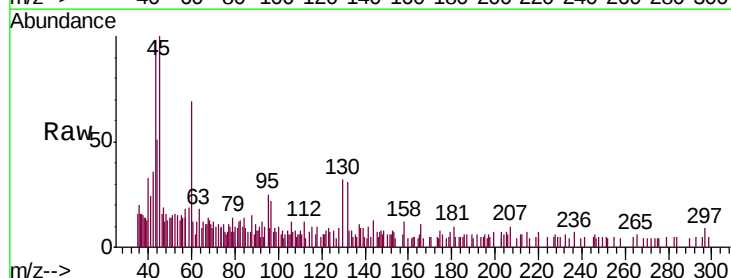
Acq: 11 Mar 2020 13:54

Tgt Ion: 130 Resp: 929

Ion Ratio Lower Upper

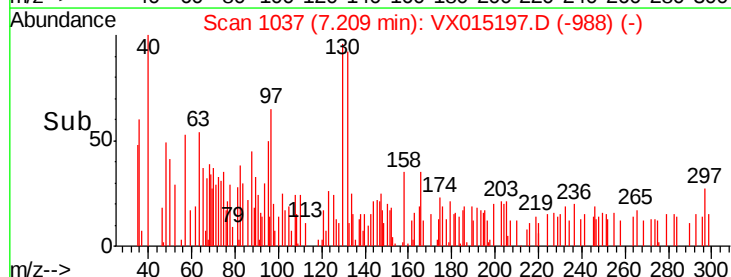
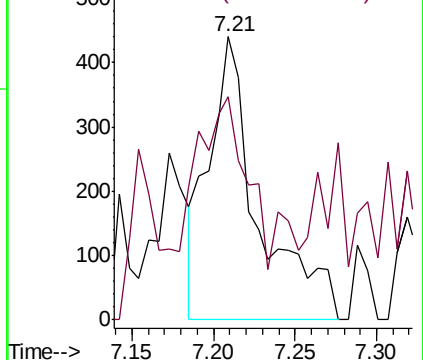
130 100

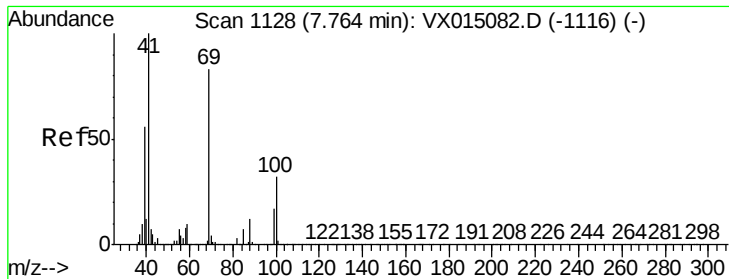
95 32.5 0.0 181.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#48

Methyl methacrylate

Concen: 36.491 ug/l

RT: 7.87 min Scan# 1145

Delta R.T. 0.10 min

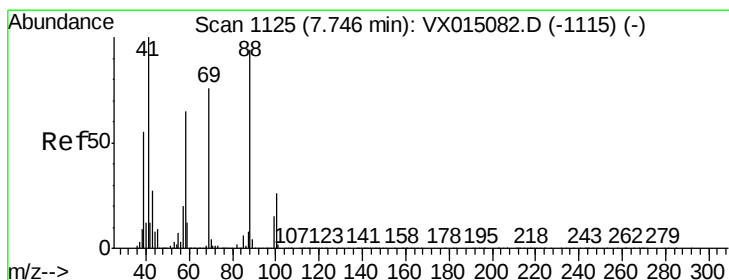
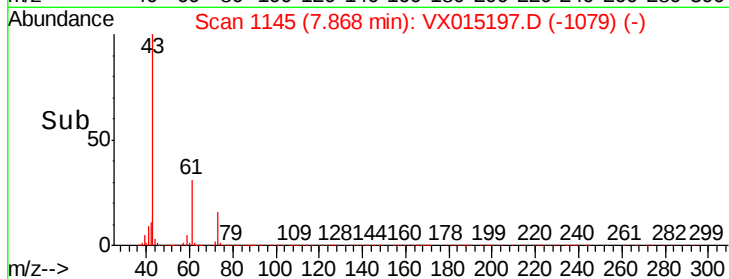
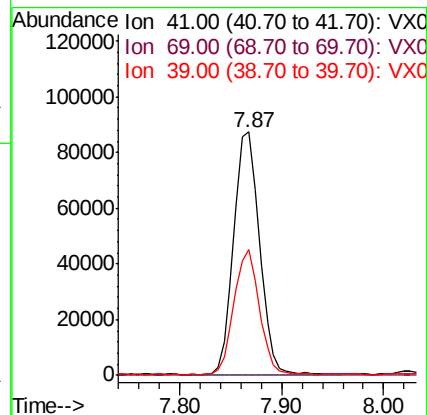
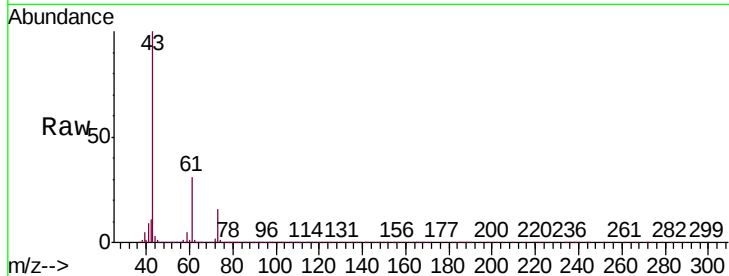
Lab File: VX015197.D

Acq: 11 Mar 2020 13:54

Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#06

Tgt Ion: 41 Resp: 152457

Ion	Ratio	Lower	Upper
41	100		
69	0.0	65.4	98.2#
39	51.2	44.6	67.0



#49

1,4-Dioxane

Concen: 0.609 ug/l

RT: 7.75 min Scan# 1125

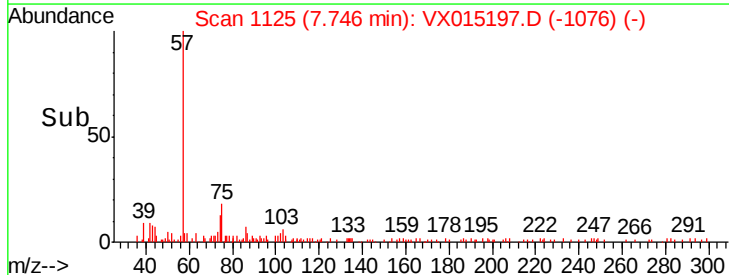
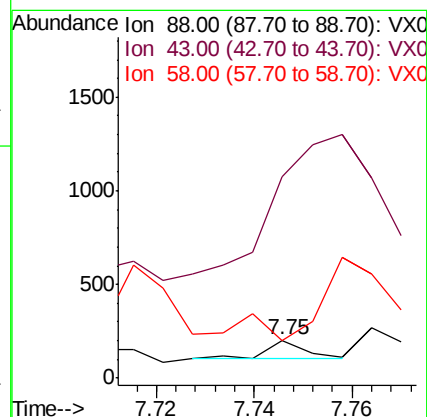
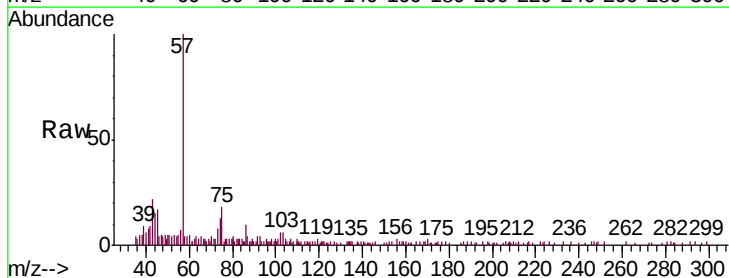
Delta R.T. 0.00 min

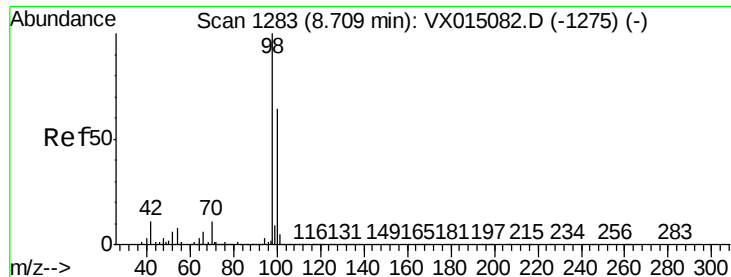
Lab File: VX015197.D

Acq: 11 Mar 2020 13:54

Tgt Ion: 88 Resp: 55

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





#50

Toluene-d8

Concen: 51.721 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX015197.D

Acq: 11 Mar 2020 13:54

Instrument :

MSVOA_X

ClientSampleId :

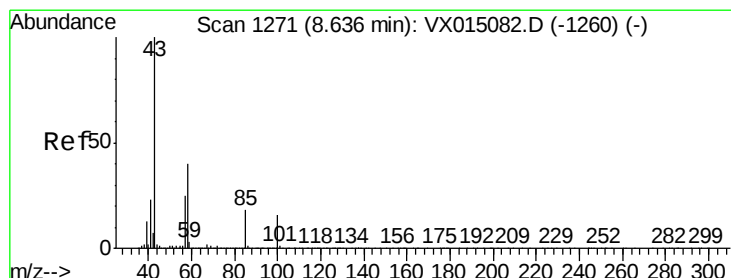
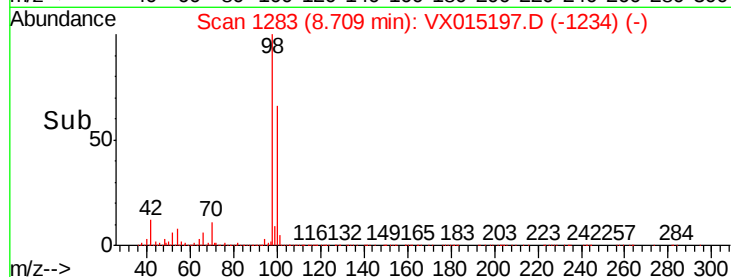
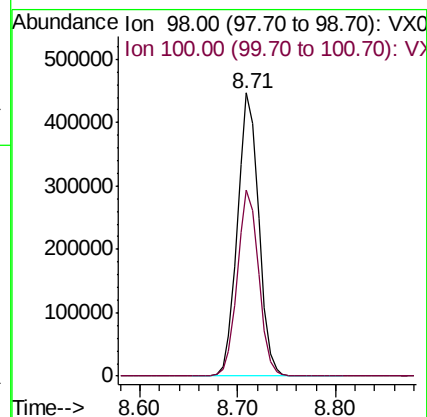
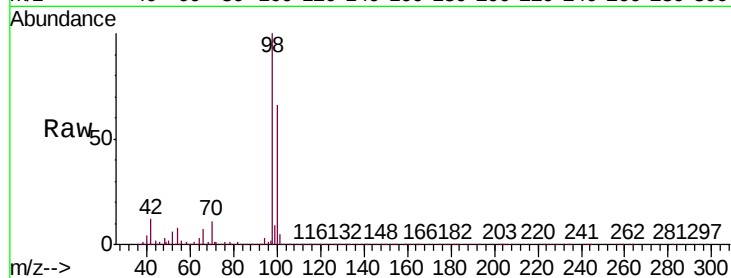
PB127431ZHE#06

Tgt Ion: 98 Resp: 675363

Ion Ratio Lower Upper

98 100

100 65.7 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 18.455 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. -0.03 min

Lab File: VX015197.D

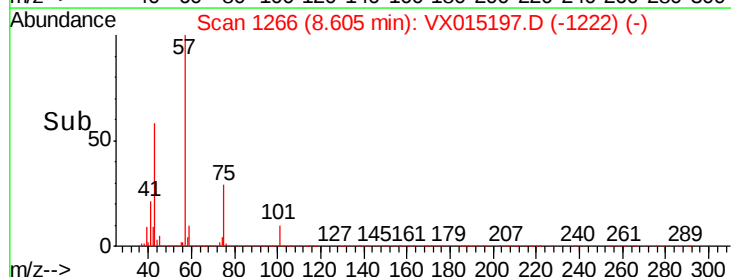
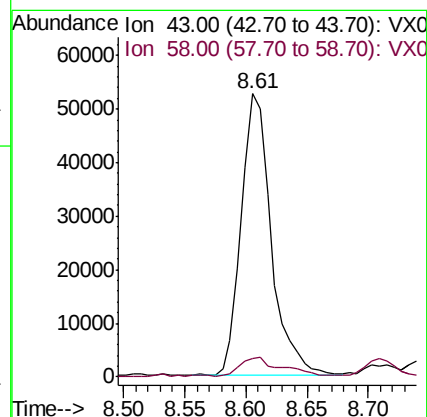
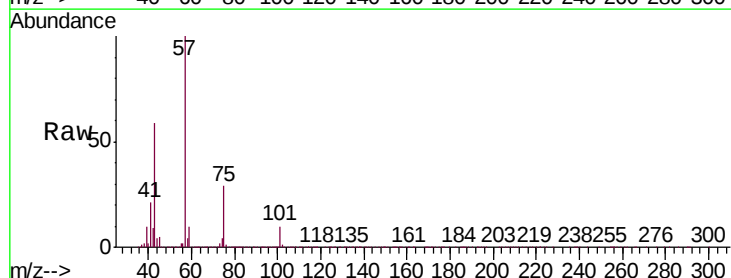
Acq: 11 Mar 2020 13:54

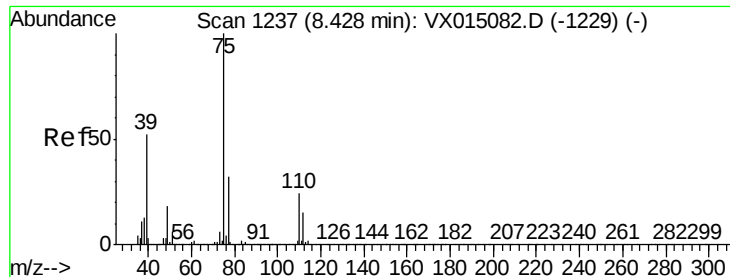
Tgt Ion: 43 Resp: 89568

Ion Ratio Lower Upper

43 100

58 8.9 31.6 47.4#





#54

cis-1,3-Dichloropropene

Concen: 6.758 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. 0.18 min

Lab File: VX015197.D

Acq: 11 Mar 2020 13:54

Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#06

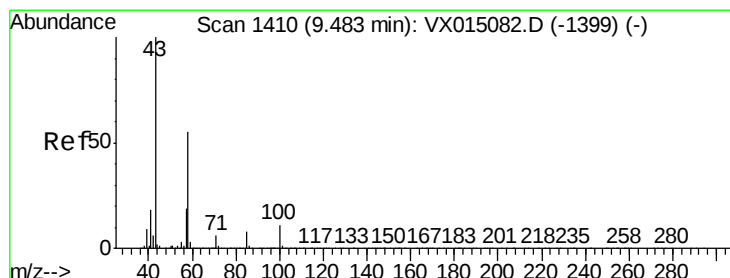
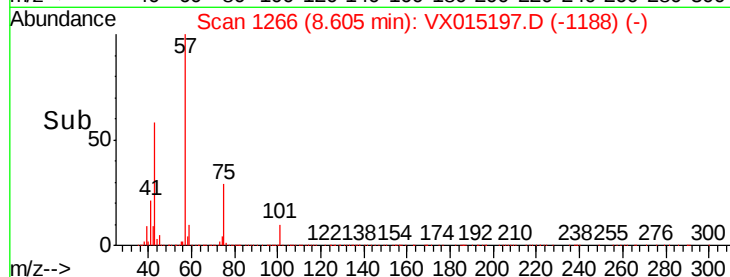
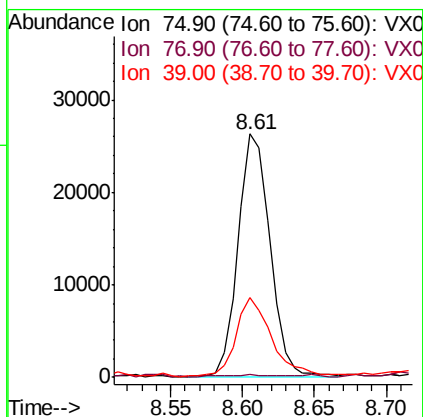
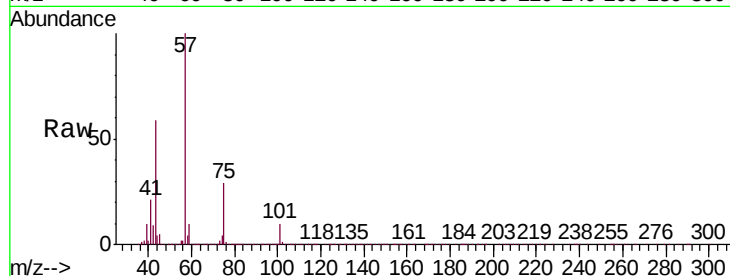
Tgt Ion: 75 Resp: 40476

Ion Ratio Lower Upper

75 100

77 1.3 25.8 38.6#

39 31.7 41.3 61.9#



#59

2-Hexanone

Concen: 29.430 ug/l

RT: 9.43 min Scan# 1402

Delta R.T. -0.05 min

Lab File: VX015197.D

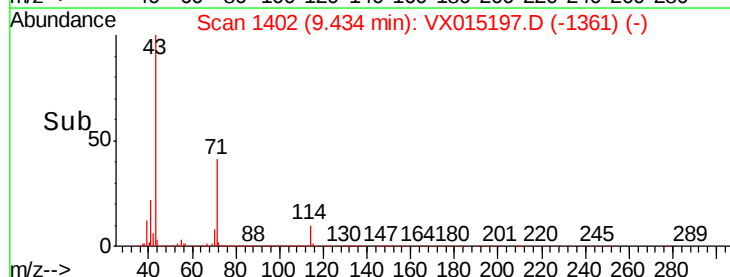
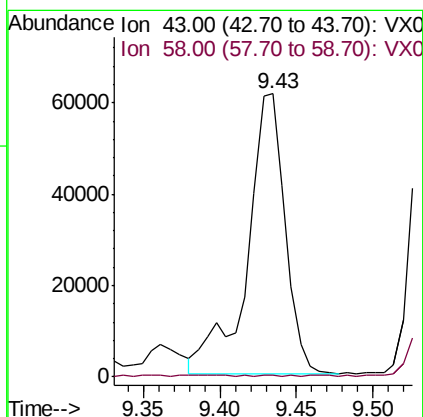
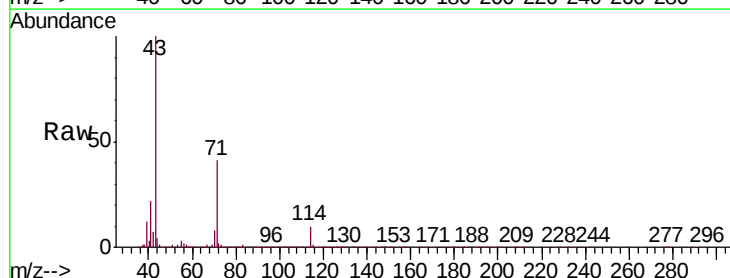
Acq: 11 Mar 2020 13:54

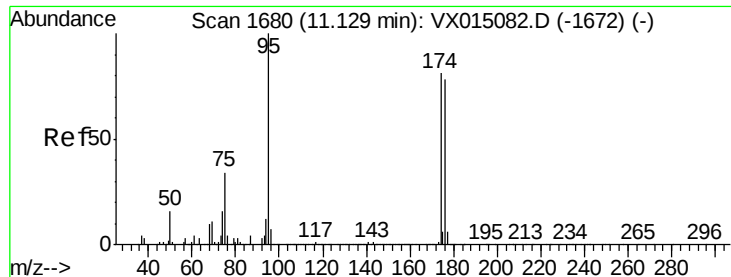
Tgt Ion: 43 Resp: 105866

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.8#

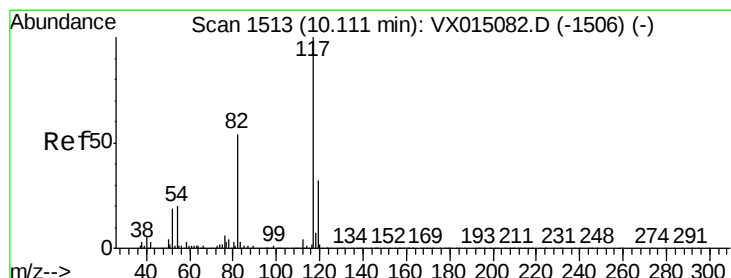
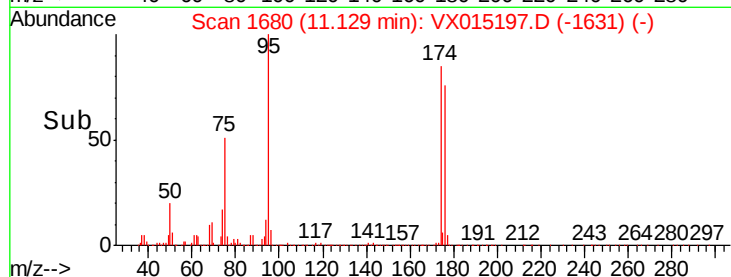
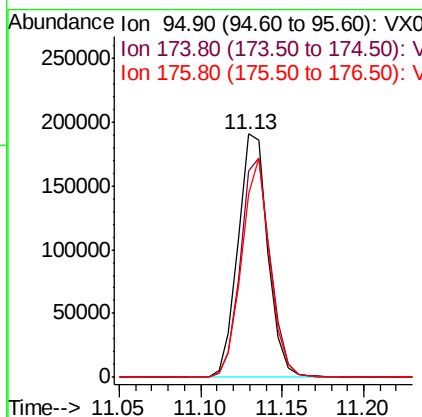
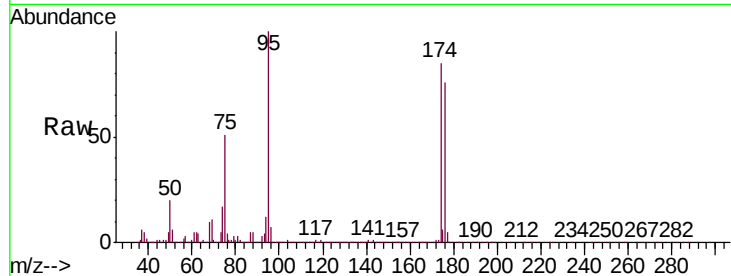




#62
4-Bromofluorobenzene
Concen: 52.247 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX015197.D
Acq: 11 Mar 2020 13:54

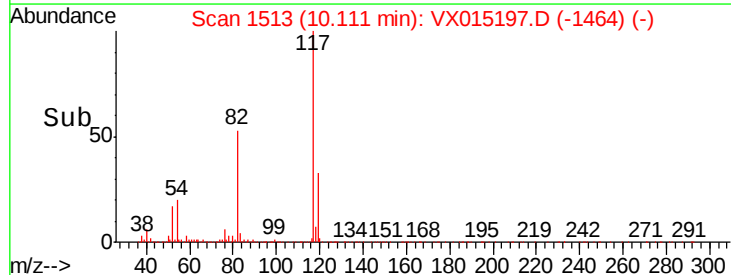
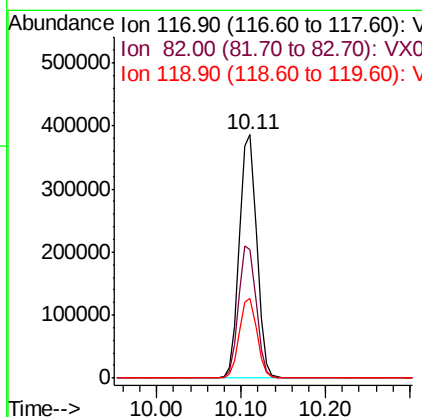
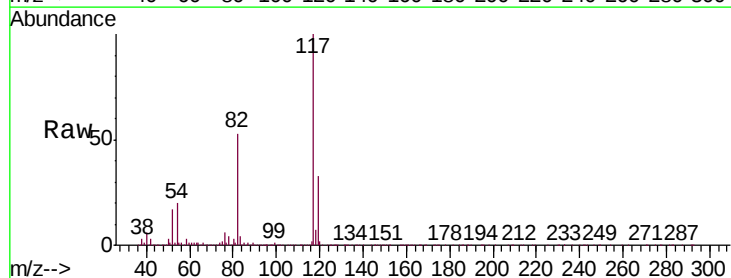
Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#06

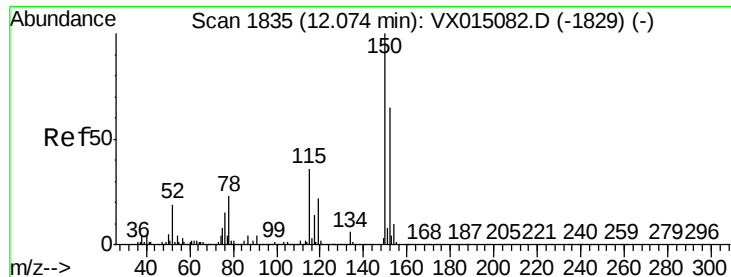
Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.3	0.0	177.6
176	85.4	0.0	170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX015197.D
Acq: 11 Mar 2020 13:54

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.9	43.3	64.9
119	32.6	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: VX015197.D

Acq: 11 Mar 2020 13:54

Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#06

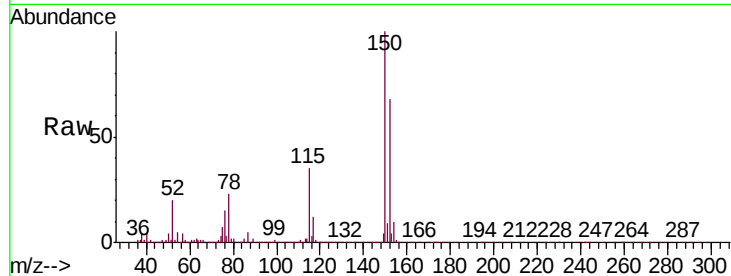
Tgt Ion:152 Resp: 260959

Ion Ratio Lower Upper

152 100

115 54.6 38.2 114.6

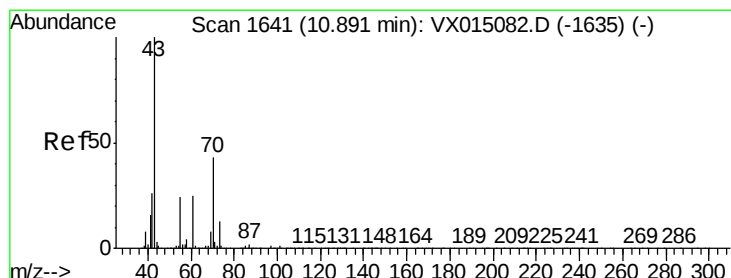
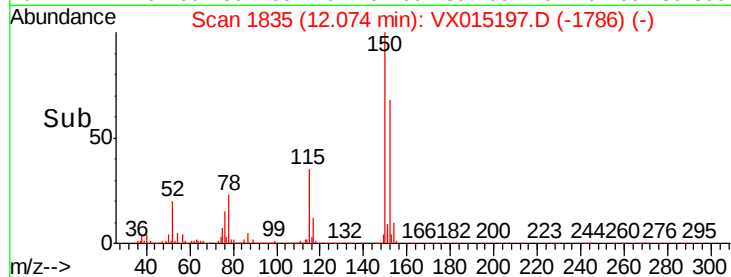
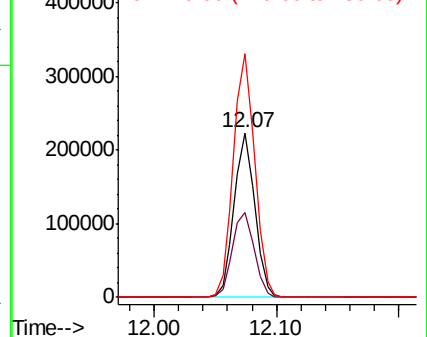
150 153.4 0.0 343.8



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: 0.476 ug/l

RT: 10.82 min Scan# 1629

Delta R.T. -0.07 min

Lab File: VX015197.D

Acq: 11 Mar 2020 13:54

Tgt Ion: 43 Resp: 3344

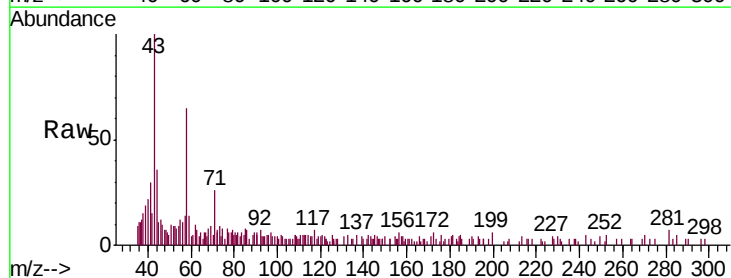
Ion Ratio Lower Upper

43 100

70 0.0 34.7 52.1#

55 10.3 19.4 29.0#

61 12.1 19.0 28.6#

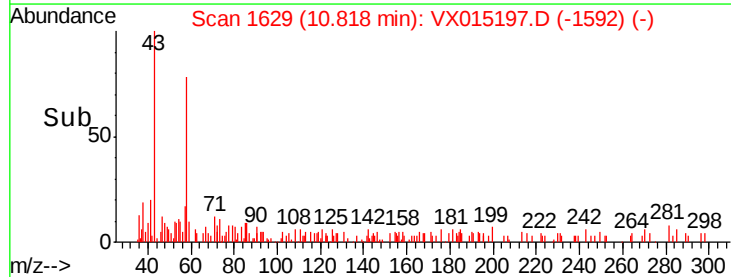
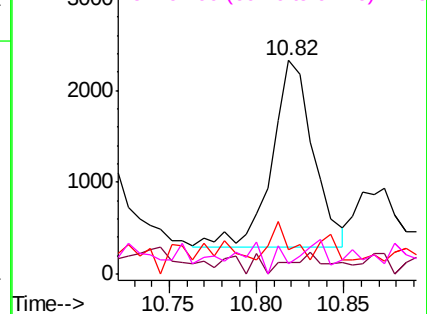


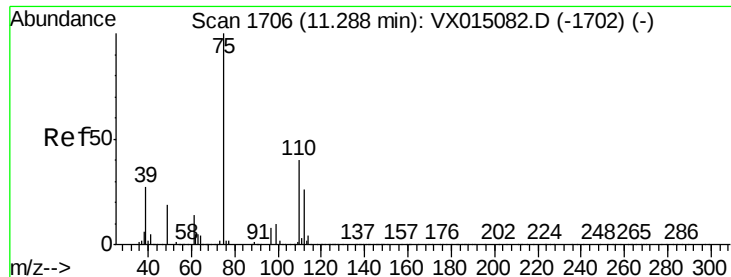
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 23.247 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015197.D

Acq: 11 Mar 2020 13:54

Instrument :

MSVOA_X

ClientSampleId :

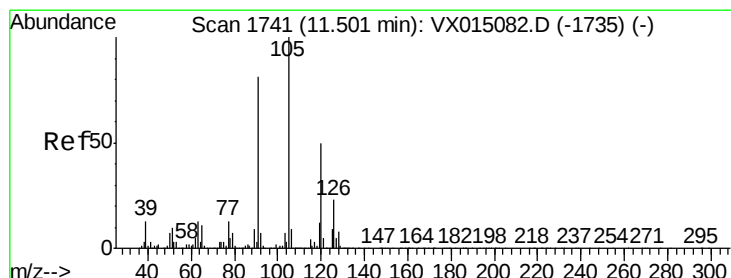
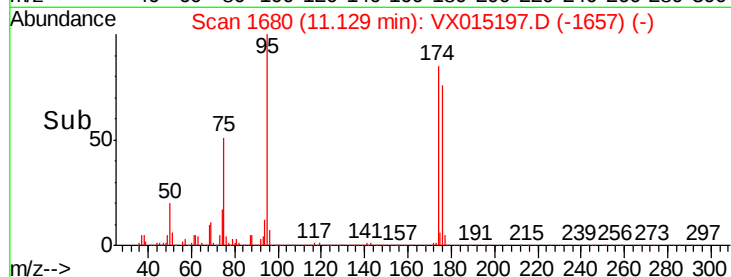
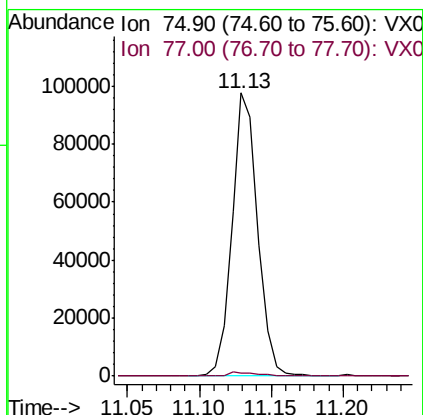
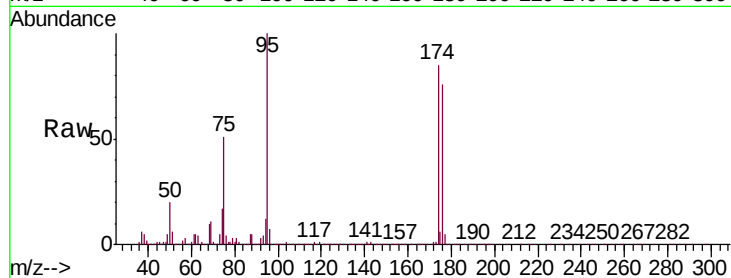
PB127431ZHE#06

Tgt Ion: 75 Resp: 121010

Ion Ratio Lower Upper

75 100

77 1.8 22.6 67.8#



#80

1,3,5-Trimethylbenzene

Concen: 0.784 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX015197.D

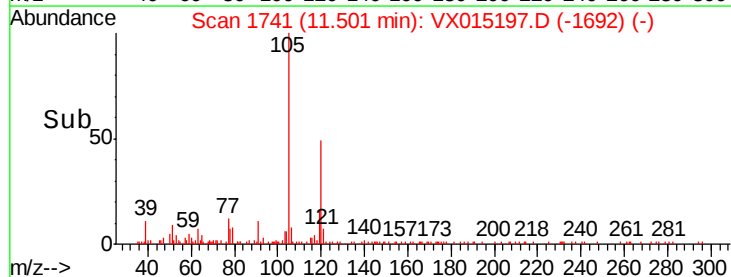
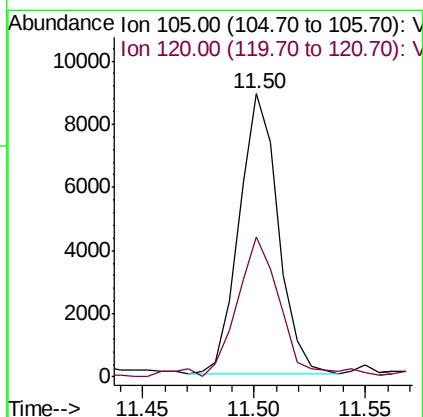
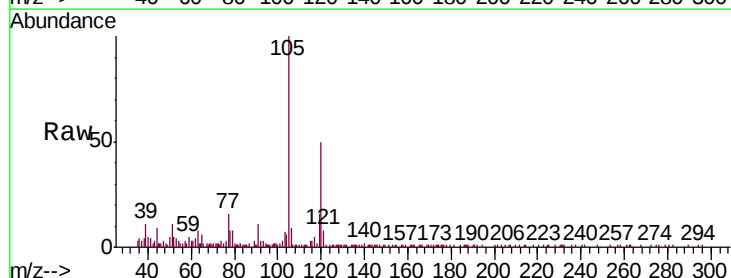
Acq: 11 Mar 2020 13:54

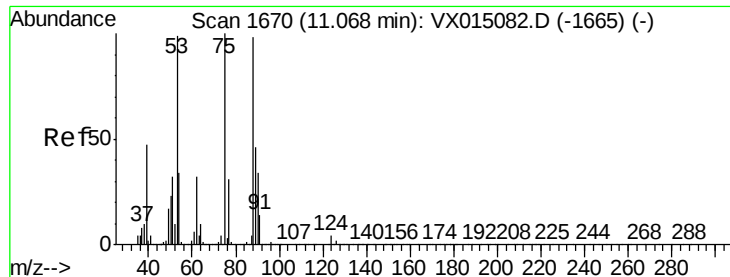
Tgt Ion: 105 Resp: 10879

Ion Ratio Lower Upper

105 100

120 57.5 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 65.976 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015197.D

Acq: 11 Mar 2020 13:54

Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#06

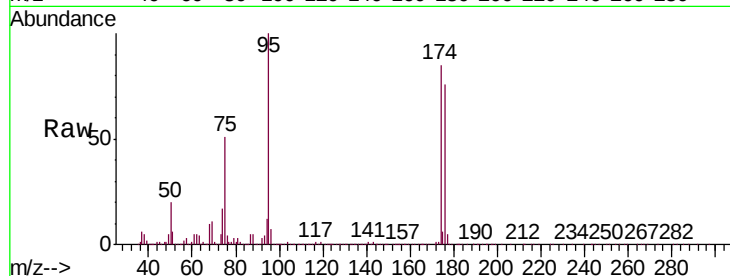
Tgt Ion: 75 Resp: 121010

Ion Ratio Lower Upper

75 100

53 0.3 77.9 116.9#

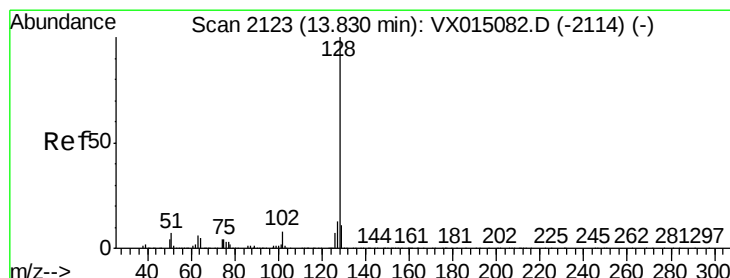
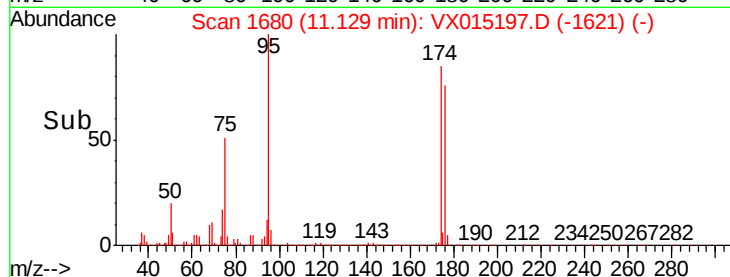
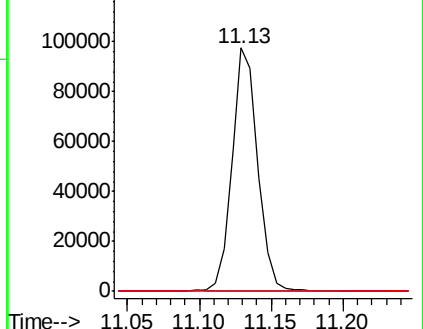
89 0.0 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#95

Naphthalene

Concen: 1.468 ug/l

RT: 13.84 min Scan# 2125

Delta R.T. 0.01 min

Lab File: VX015197.D

Acq: 11 Mar 2020 13:54

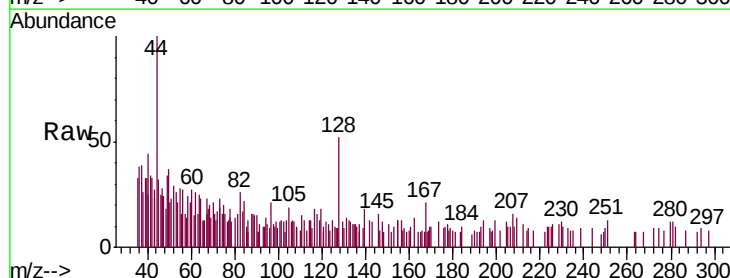
Tgt Ion: 128 Resp: 864

Ion Ratio Lower Upper

128 100

127 20.5 10.3 15.5#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

