

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX123119\
 Data File : VX014383.D
 Acq On : 31 Dec 2019 16:27
 Operator : JC/SP
 Sample : PB125804TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB125804TB

Quant Time: Jan 01 03:19:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	546941	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	847083	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	762200	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	343496	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	293196	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	
35) Dibromofluoromethane	5.49	113	247930	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
50) Toluene-d8	8.71	98	1011857	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
62) 4-Bromofluorobenzene	11.13	95	346095	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	

Target Compounds						Qvalue
5) Bromomethane	1.64	94	3351	0.681	ug/l #	79
6) Chloroethane	1.53	64	3008	0.703	ug/l #	45
8) Diethyl Ether	2.12	74	823	0.204	ug/l	77
10) Methyl Iodide	2.51	142	3496	3.107	ug/l #	80
11) Tert butyl alcohol	3.00	59	10542	7.871	ug/l #	86
12) 1,1-Dichloroethene	2.37	96	1197	0.228	ug/l #	60
13) Acrolein	2.29	56	622	0.811	ug/l #	29
15) Acrylonitrile	3.15	53	1434	0.459	ug/l #	36
16) Acetone	2.43	43	22218	5.521	ug/l	96
17) Carbon Disulfide	2.56	76	6368	1.180	ug/l #	88
18) Methyl Acetate	2.76	43	6168	0.773	ug/l	98
20) Methylene Chloride	2.85	84	11821	1.865	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	1583	0.273	ug/l #	85
23) Vinyl Acetate	3.81	43	3232	0.212	ug/l #	42
25) 2-Butanone	4.67	43	8213	1.655	ug/l	94
28) Bromochloromethane	4.99	49	623	0.608	ug/l #	72
29) Tetrahydrofuran	5.13	42	1010	0.364	ug/l #	86
36) 1,1-Dichloropropene	5.65	75	36640	4.714	ug/l #	53
38) Carbon Tetrachloride	5.65	117	47110	6.653	ug/l #	16
43) Isopropyl Acetate	6.43	43	151108	10.638	ug/l	99
44) Trichloroethene	7.20	130	1349	0.204	ug/l	80
48) Methyl methacrylate	7.67	41	7530	1.083	ug/l #	17
49) 1,4-Dioxane	7.71	88	185	1.307	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	141390	15.850	ug/l #	45
52) Toluene	8.78	92	5998	0.397	ug/l	100
54) cis-1,3-Dichloropropene	8.61	75	67029	7.189	ug/l #	56
59) 2-Hexanone	9.54	43	160940	22.412	ug/l #	50
64) Tetrachloroethene	9.33	164	1438	0.213	ug/l #	62
68) m/p-Xylenes	10.35	106	2786	0.260	ug/l	74
74) N-amyl acetate	10.82	43	7278	0.642	ug/l #	50
76) 1,2,3-Trichloropropane	11.13	75	166633	22.345	ug/l #	39
79) 2-Chlorotoluene	11.51	91	4310	0.261	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	10451	0.513	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.13	75	166633	63.070	ug/l #	12

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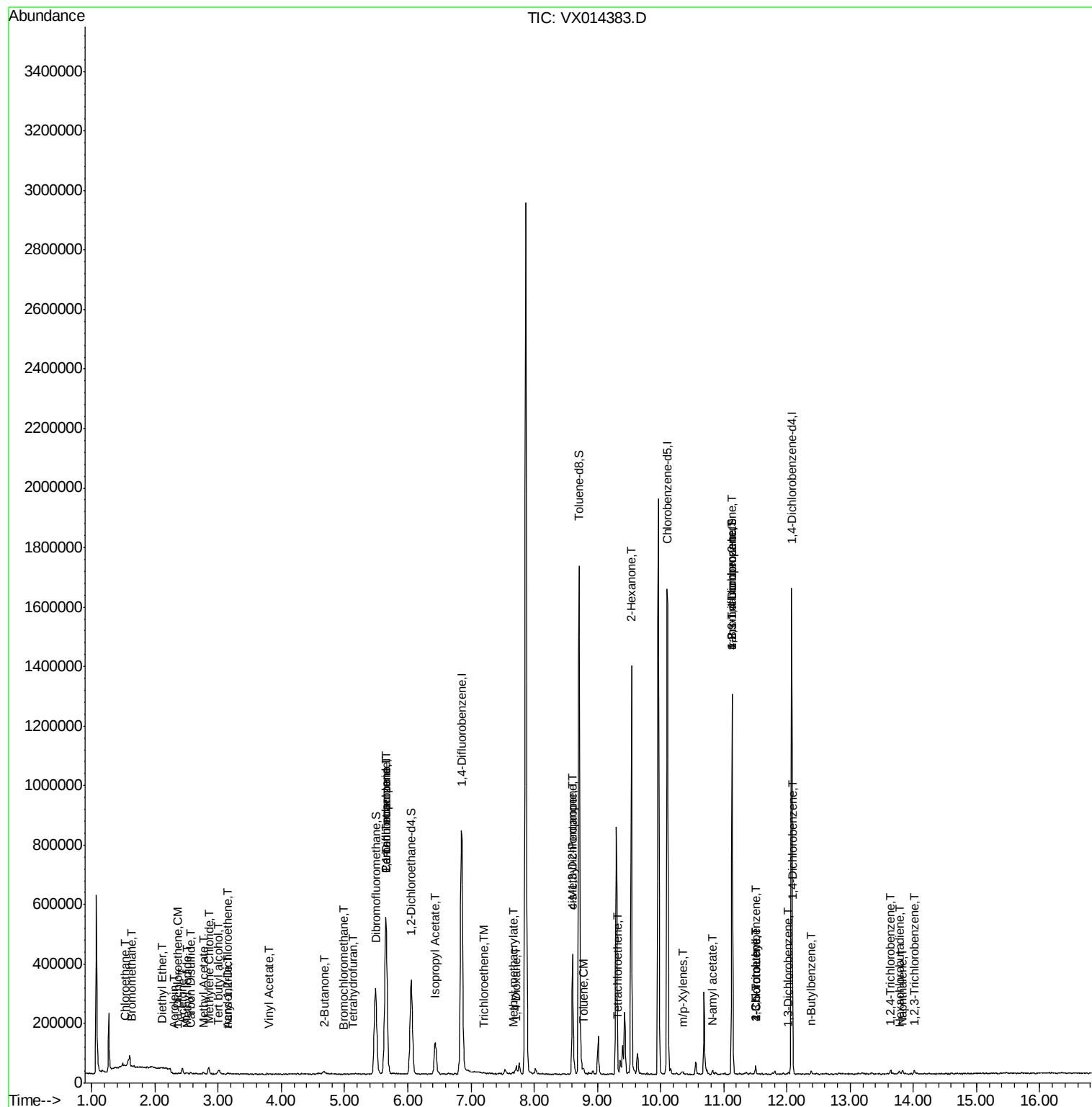
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	11.51	91	4351	0.227	ug/l	93
87) 1,3-Dichlorobenzene	12.03	146	2747	0.236	ug/l #	85
88) 1,4-Dichlorobenzene	12.09	146	3391	0.286	ug/l #	1
89) n-Butylbenzene	12.39	91	4394	0.241	ug/l	96
93) 1,2,4-Trichlorobenzene	13.64	180	3696	0.484	ug/l	94
94) Hexachlorobutadiene	13.78	225	1371	0.374	ug/l	90
95) Naphthalene	13.83	128	7931	0.354	ug/l #	84
96) 1,2,3-Trichlorobenzene	14.01	180	3164	0.420	ug/l	90

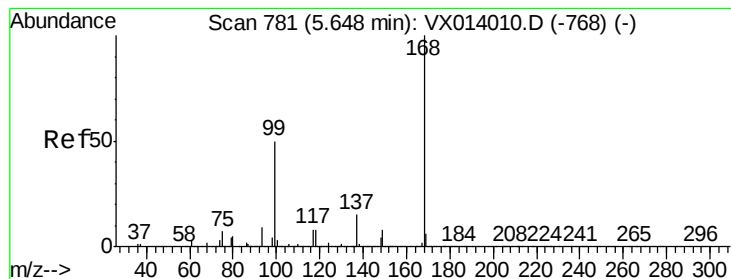
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014383.D

Acq: 31 Dec 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

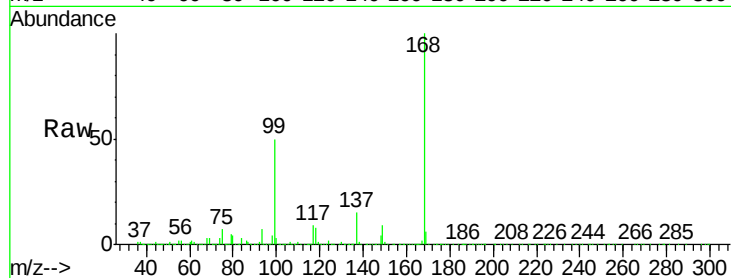
PB125804TB

Tgt Ion: 168 Resp: 546941

Ion Ratio Lower Upper

168 100

99 49.4 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

150000

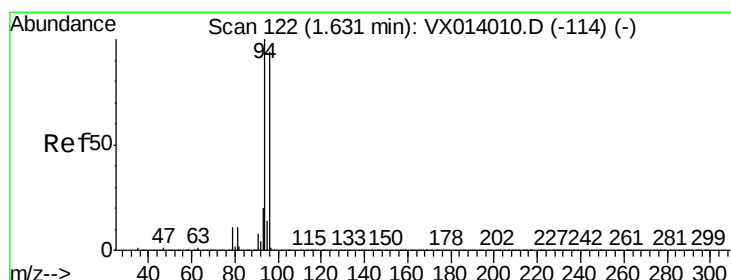
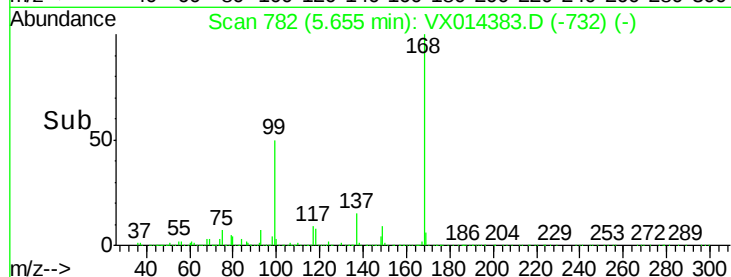
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.681 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX014383.D

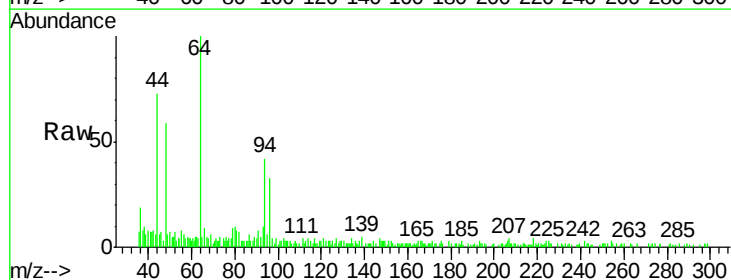
Acq: 31 Dec 2019 16:27

Tgt Ion: 94 Resp: 3351

Ion Ratio Lower Upper

94 100

96 73.9 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

2500

2000

1500

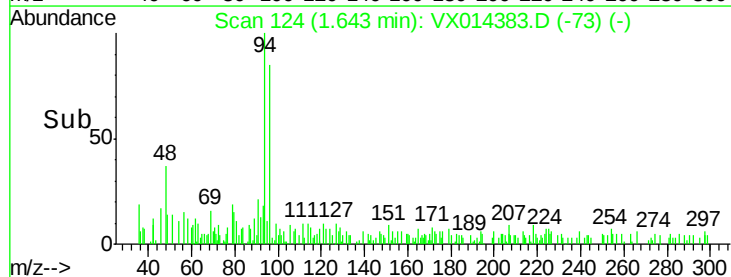
1000

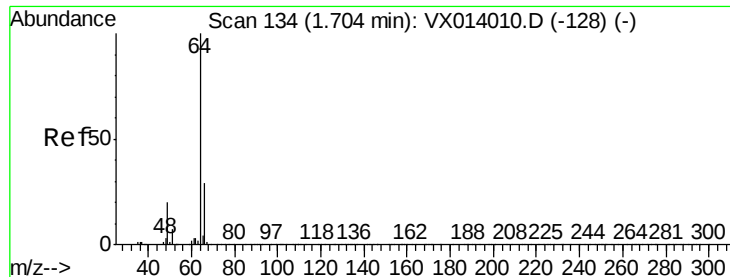
500

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 0.703 ug/l

RT: 1.53 min Scan# 105

Delta R.T. -0.18 min

Lab File: VX014383.D

Acq: 31 Dec 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

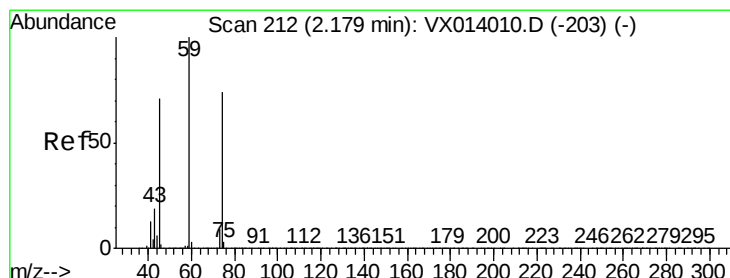
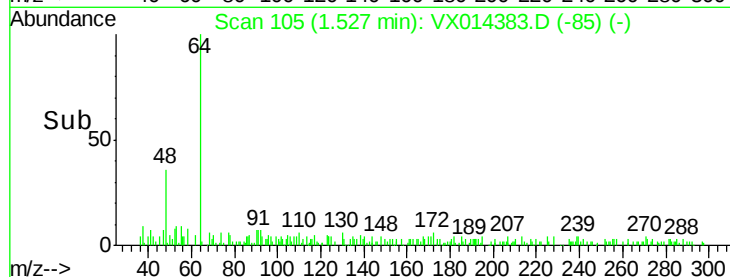
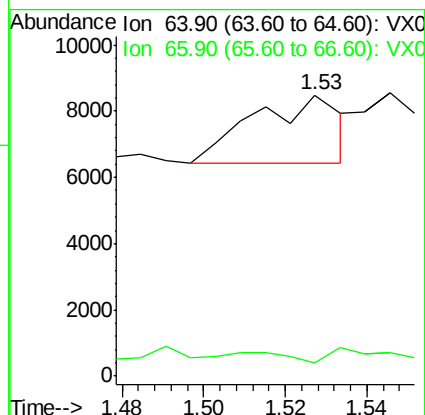
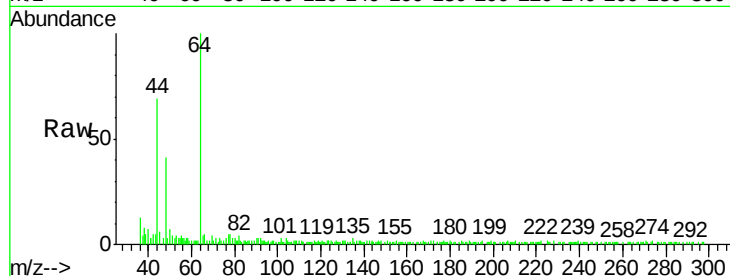
PB125804TB

Tgt Ion: 64 Resp: 3008

Ion Ratio Lower Upper

64 100

66 0.0 23.4 35.2#



#8

Diethyl Ether

Concen: 0.204 ug/l

RT: 2.12 min Scan# 202

Delta R.T. -0.06 min

Lab File: VX014383.D

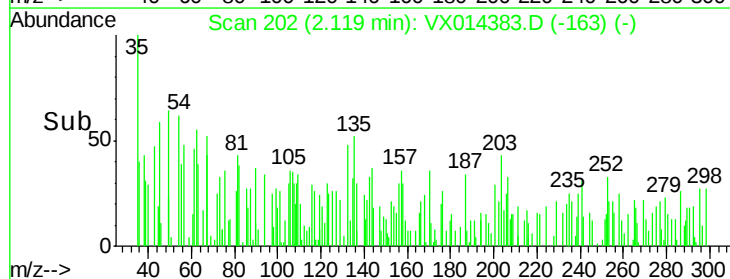
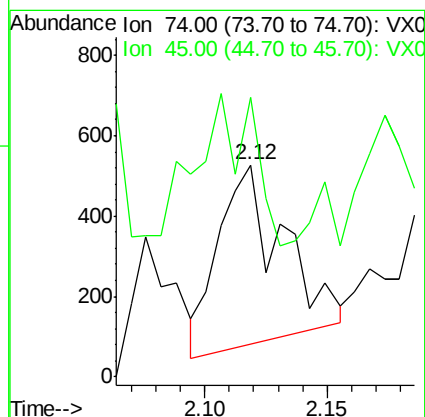
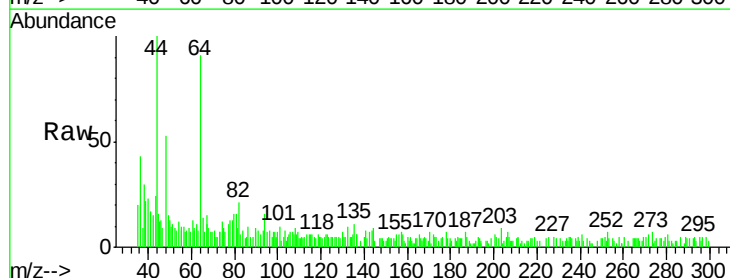
Acq: 31 Dec 2019 16:27

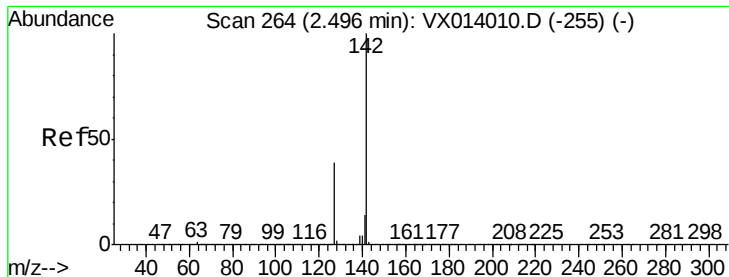
Tgt Ion: 74 Resp: 823

Ion Ratio Lower Upper

74 100

45 74.0 48.1 144.3

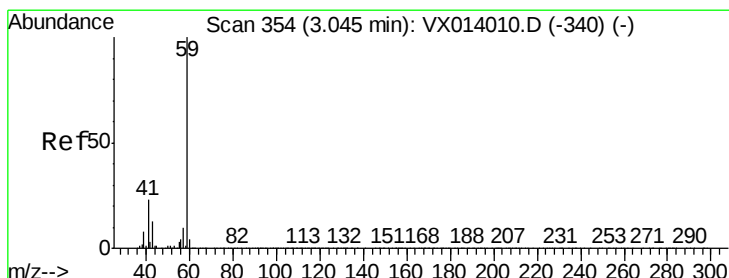
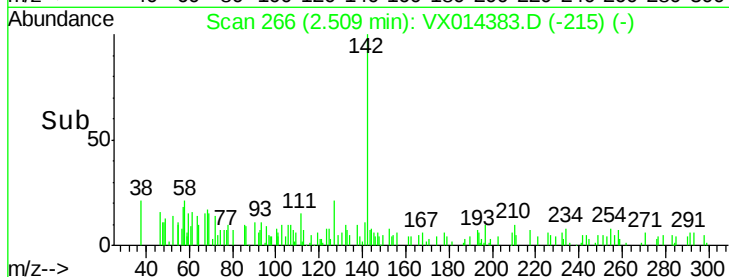
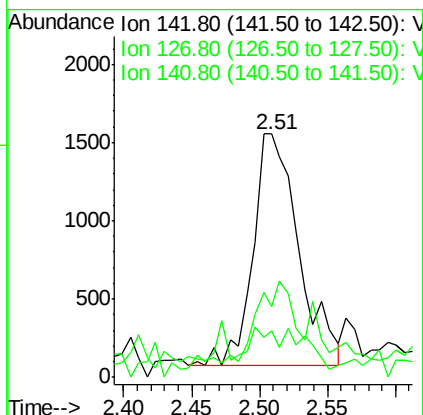
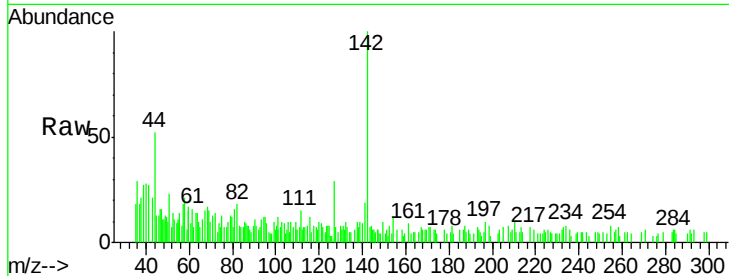




#10
Methyl Iodide
Concen: 3.107 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX014383.D
Acq: 31 Dec 2019 16:27

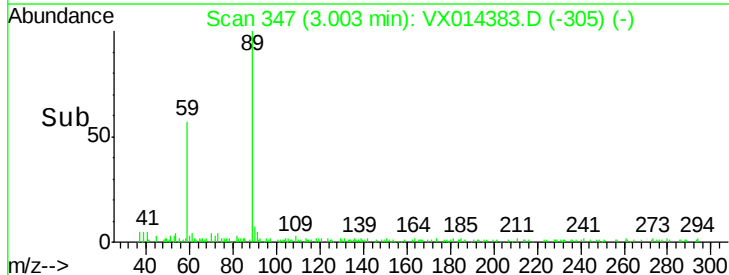
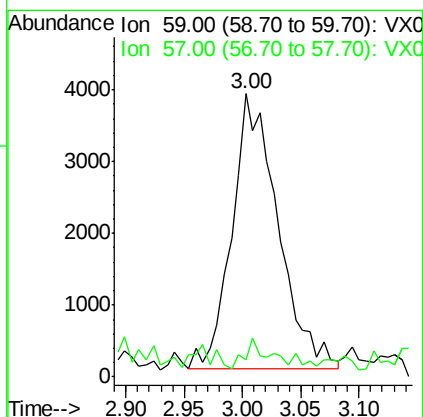
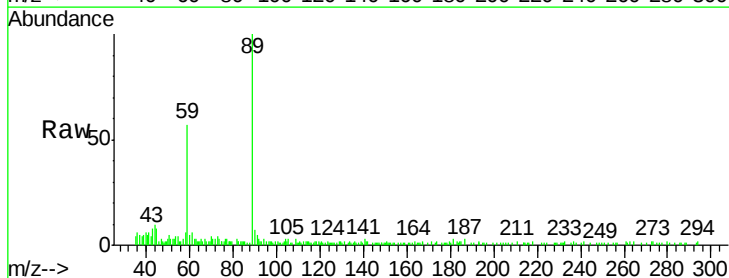
Instrument :
MSVOA_X
ClientSampleId :
PB125804TB

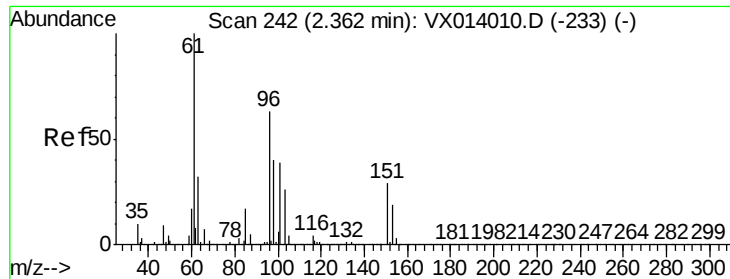
Tgt Ion: 142 Resp: 3496
Ion Ratio Lower Upper
142 100
127 27.4 31.6 47.4#
141 5.7 11.6 17.4#



#11
Tert butyl alcohol
Concen: 7.871 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.04 min
Lab File: VX014383.D
Acq: 31 Dec 2019 16:27

Tgt Ion: 59 Resp: 10542
Ion Ratio Lower Upper
59 100
57 5.4 8.4 12.6#





#12

1,1-Dichloroethene

Concen: 0.228 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX014383.D

Acq: 31 Dec 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

PB125804TB

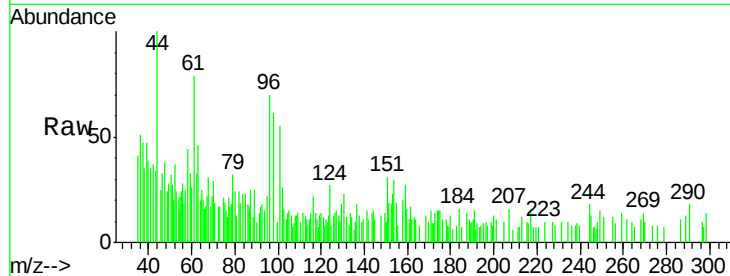
Tgt Ion: 96 Resp: 1197

Ion Ratio Lower Upper

96 100

61 92.5 127.9 191.9#

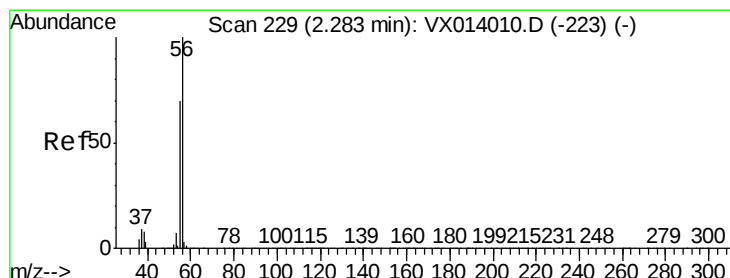
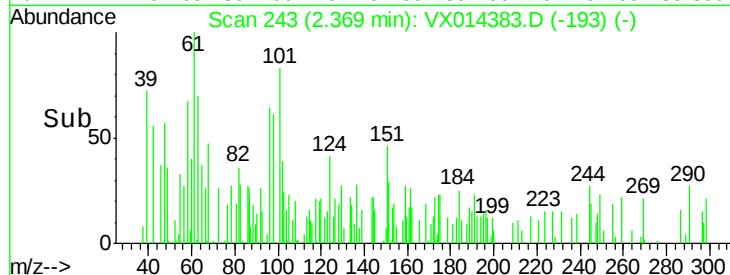
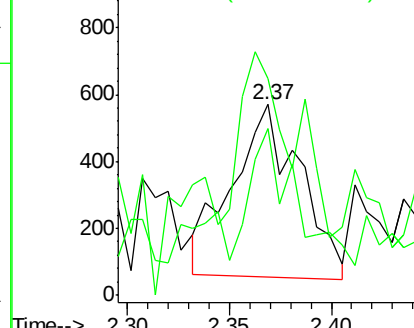
98 72.9 50.5 75.7



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#13

Acrolein

Concen: 0.811 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX014383.D

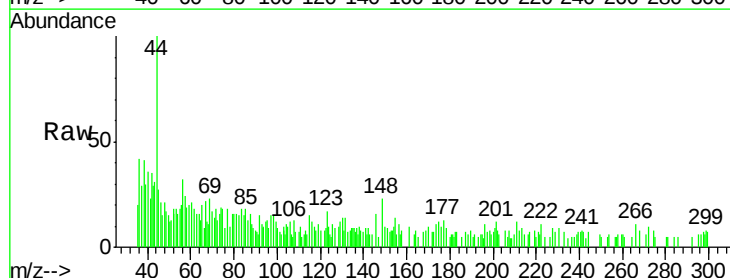
Acq: 31 Dec 2019 16:27

Tgt Ion: 56 Resp: 622

Ion Ratio Lower Upper

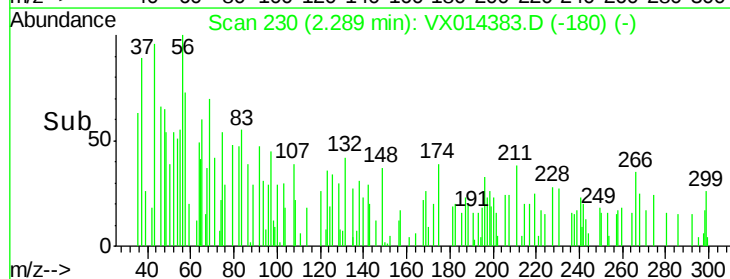
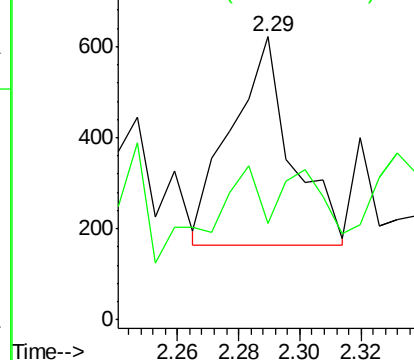
56 100

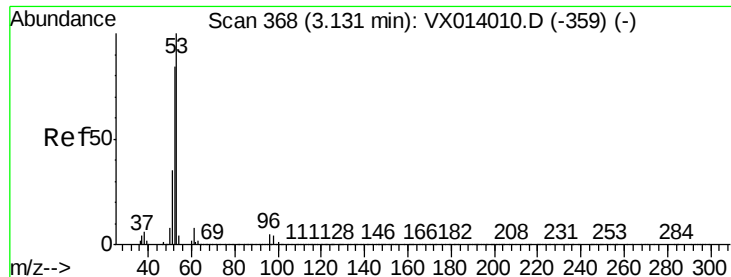
55 12.4 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.459 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.02 min

Lab File: VX014383.D

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ClientSampled :

PB125804TB

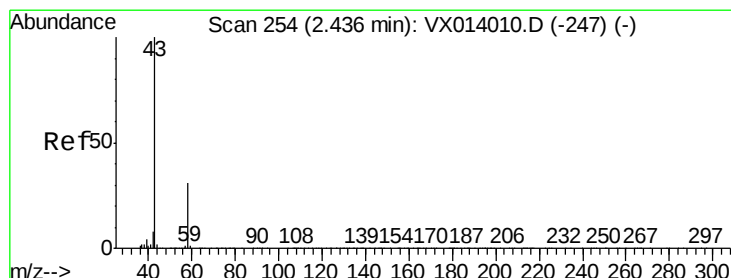
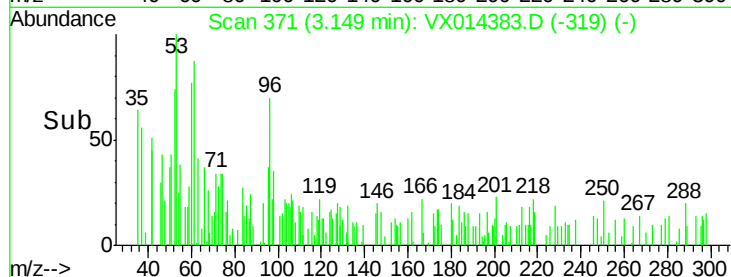
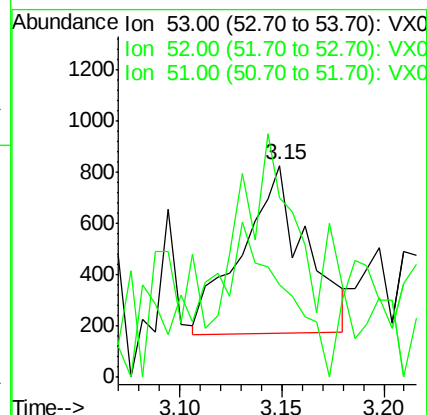
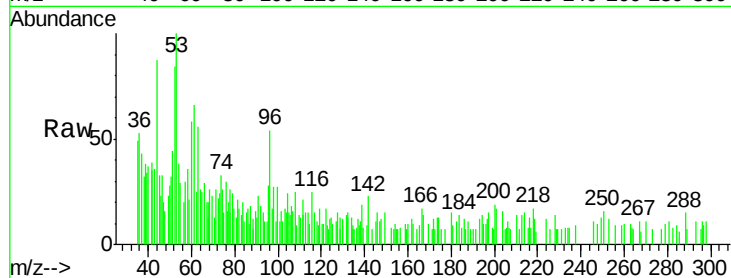
Tgt Ion: 53 Resp: 1434

Ion Ratio Lower Upper

53 100

52 117.6 66.5 99.7#

51 108.2 28.1 42.1#



#16

Acetone

Concen: 5.521 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014383.D

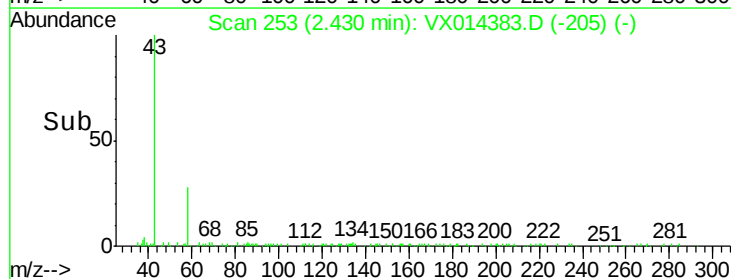
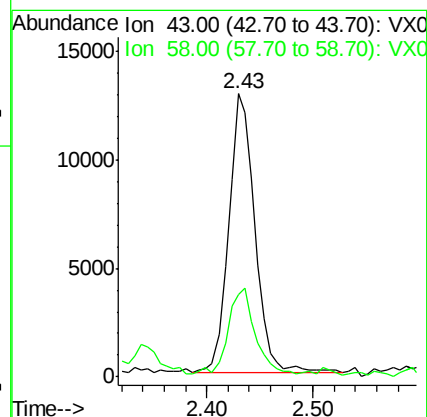
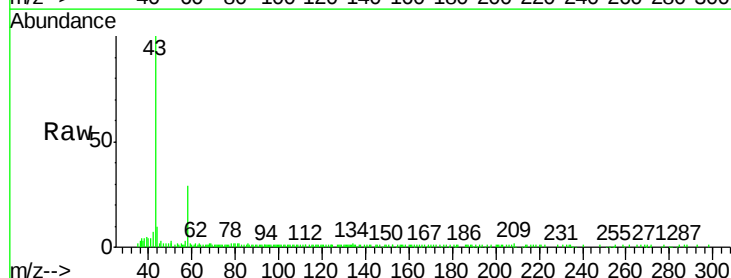
Acq: 31 Dec 2019 16:27

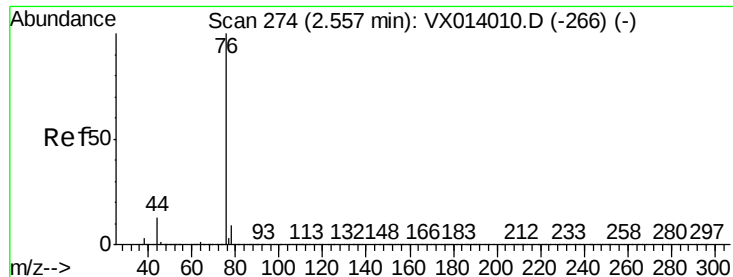
Tgt Ion: 43 Resp: 22218

Ion Ratio Lower Upper

43 100

58 28.9 24.9 37.3





#17

Carbon Disulfide

Concen: 1.180 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014383.D

Acq: 31 Dec 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

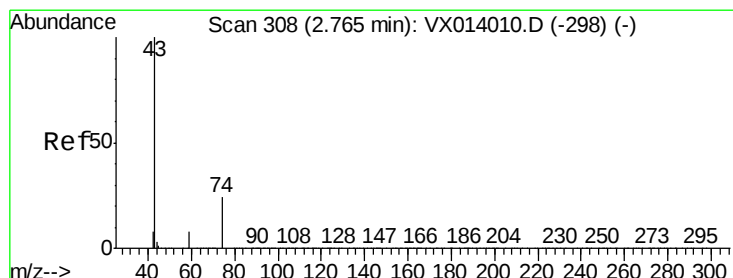
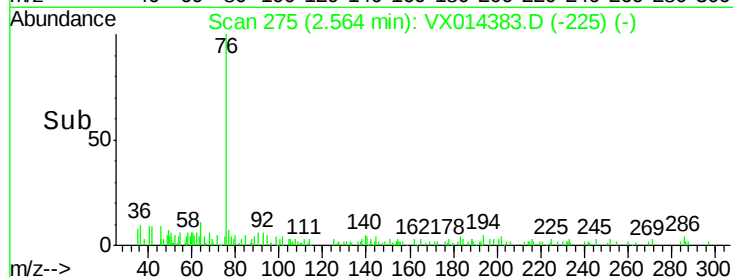
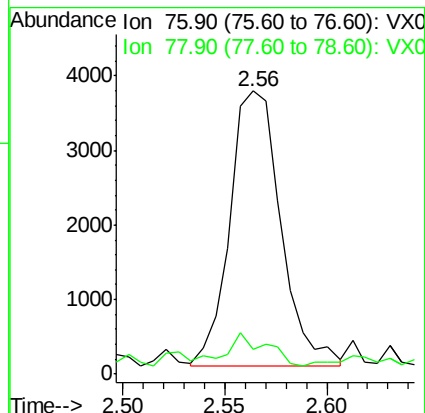
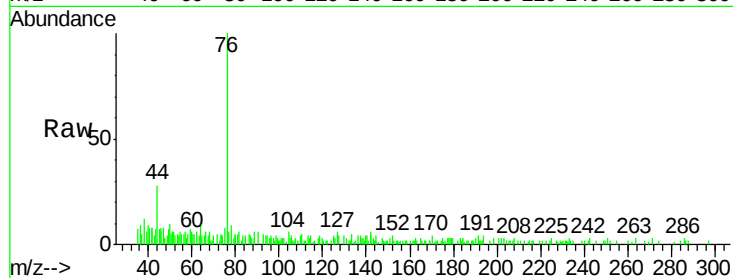
PB125804TB

Tgt Ion: 76 Resp: 6368

Ion Ratio Lower Upper

76 100

78 4.7 7.2 10.8#



#18

Methyl Acetate

Concen: 0.773 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX014383.D

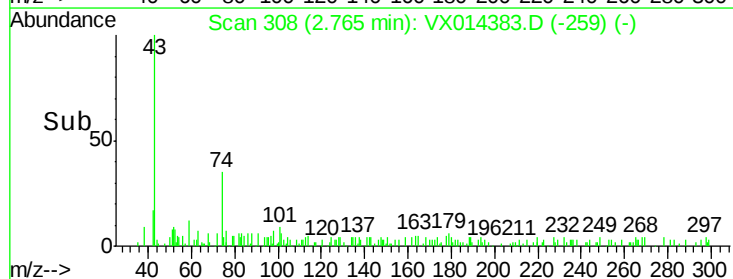
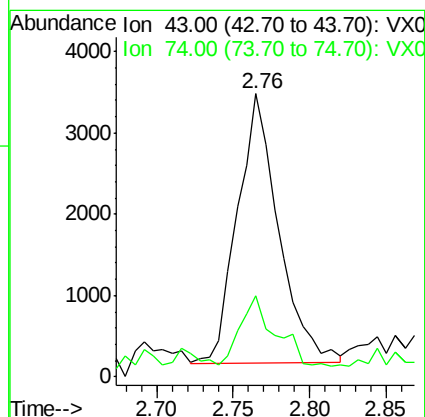
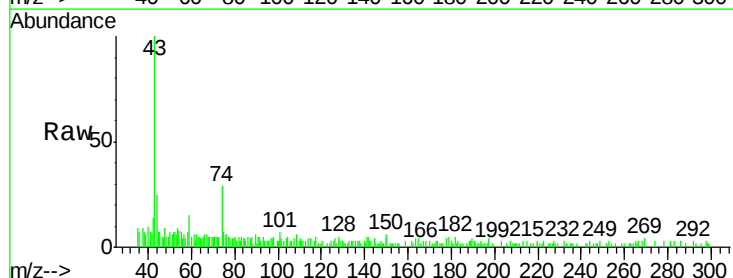
Acq: 31 Dec 2019 16:27

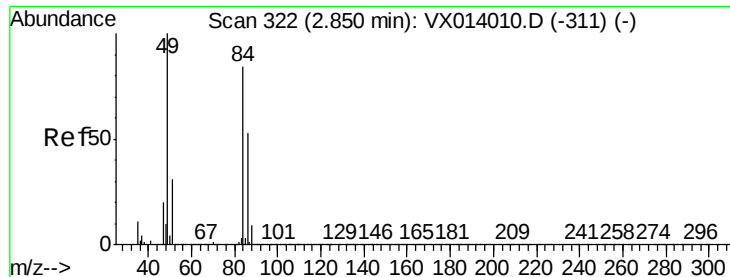
Tgt Ion: 43 Resp: 6168

Ion Ratio Lower Upper

43 100

74 23.6 19.5 29.3





#20

Methylene Chloride

Concen: 1.865 ug/l

RT: 2.85 min Scan# 322

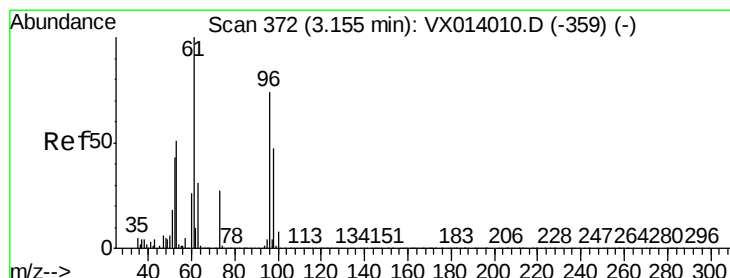
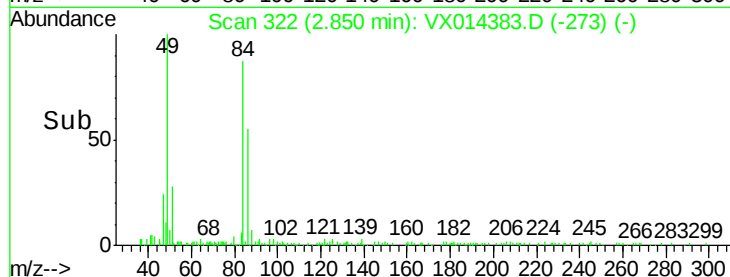
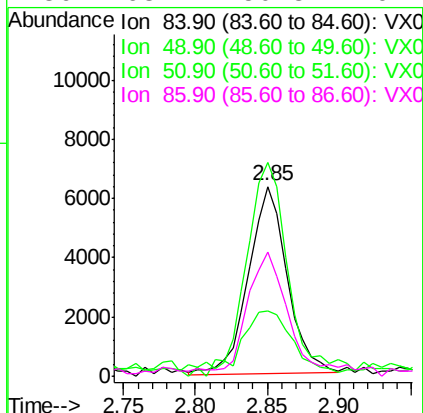
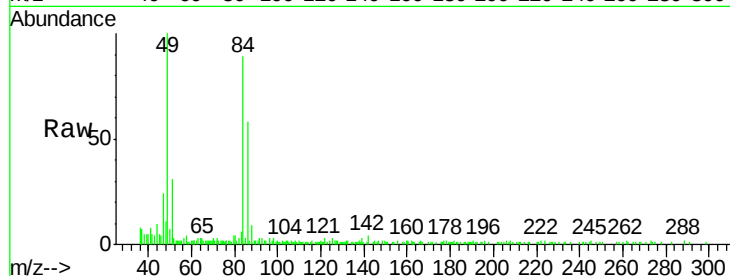
Delta R.T. 0.00 min

Lab File: VX014383.D

Acq: 31 Dec 2019 16:27

Instrument :
MSVOA_X
ClientSampled :
PB125804TB

Tgt Ion:	84	Resp:	11821
Ion	Ratio	Lower	Upper
84	100		
49	111.2	95.8	143.6
51	32.9	29.8	44.8
86	63.7	50.8	76.2



#21

trans-1,2-Dichloroethene

Concen: 0.273 ug/l

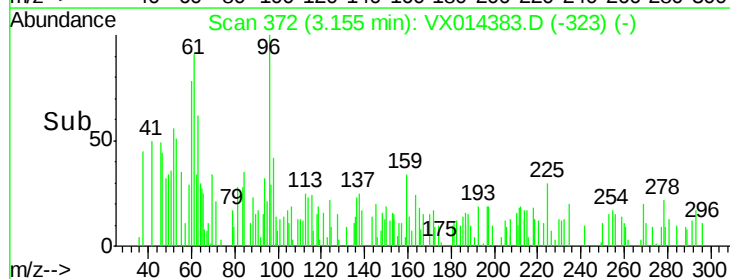
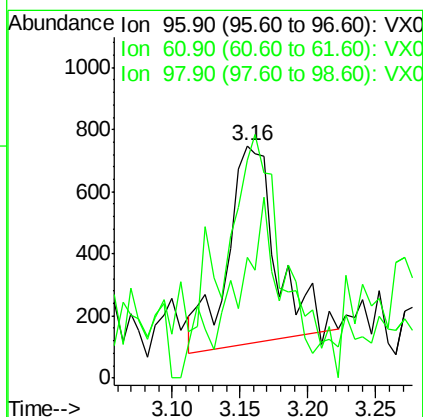
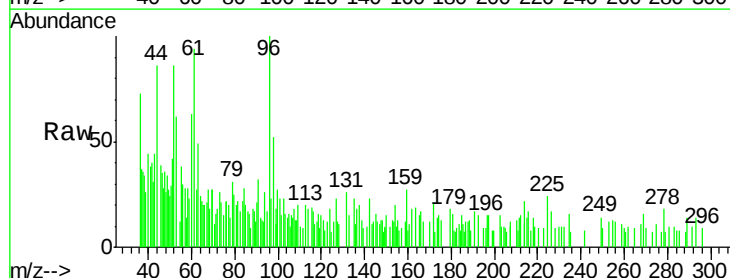
RT: 3.16 min Scan# 372

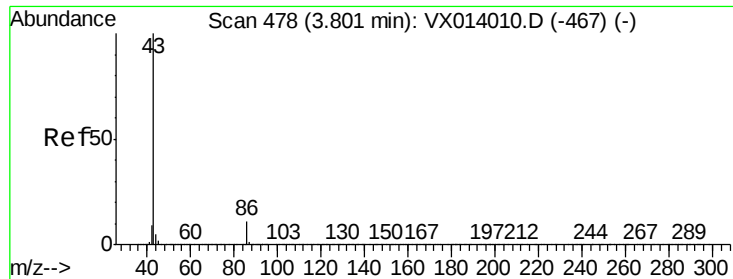
Delta R.T. 0.00 min

Lab File: VX014383.D

Acq: 31 Dec 2019 16:27

Tgt Ion:	96	Resp:	1583
Ion	Ratio	Lower	Upper
96	100		
61	119.0	108.3	162.5
98	49.4	50.8	76.2#





#23

Vinyl Acetate

Concen: 0.212 ug/l

RT: 3.81 min Scan# 479

Delta R.T. 0.01 min

Lab File: VX014383.D

Acq: 31 Dec 2019 16:27

Instrument :

MSVOA_X

ClientSampled :

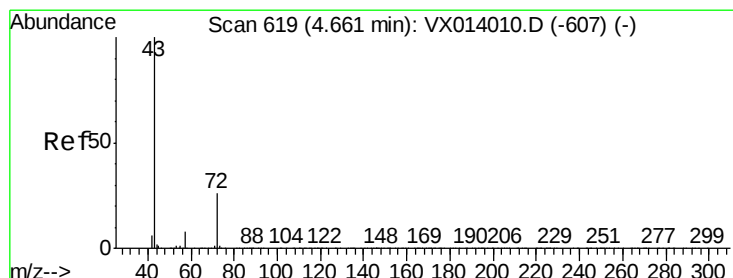
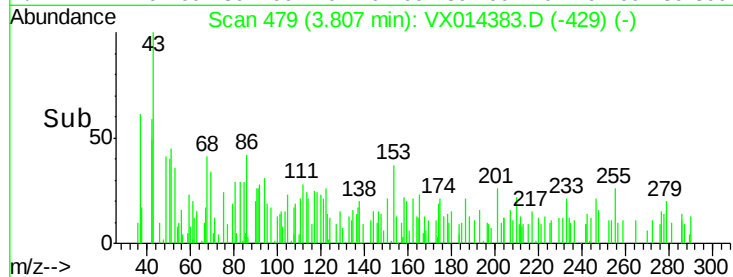
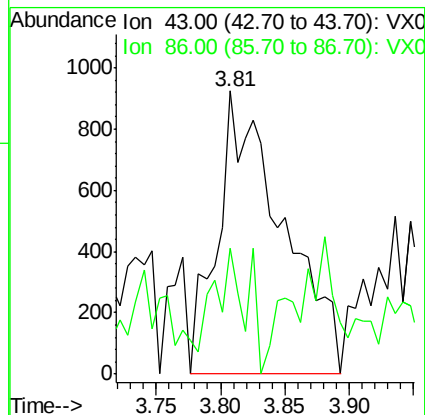
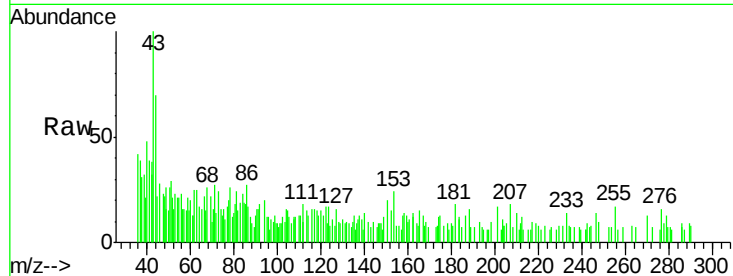
PB125804TB

Tgt Ion: 43 Resp: 3232

Ion Ratio Lower Upper

43 100

86 32.6 8.6 12.8#



#25

2-Butanone

Concen: 1.655 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.01 min

Lab File: VX014383.D

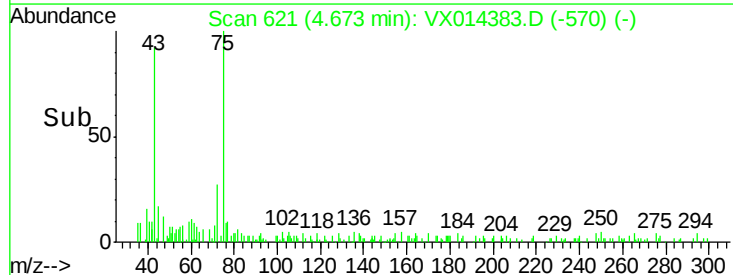
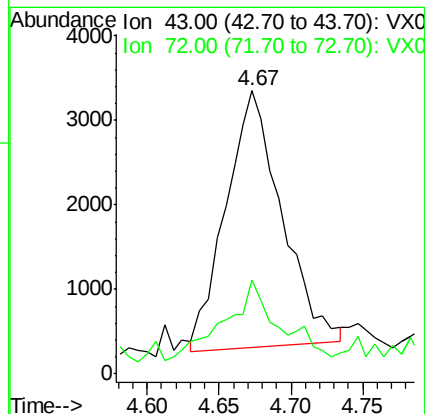
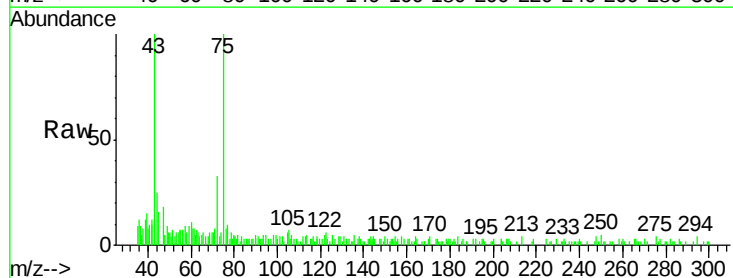
Acq: 31 Dec 2019 16:27

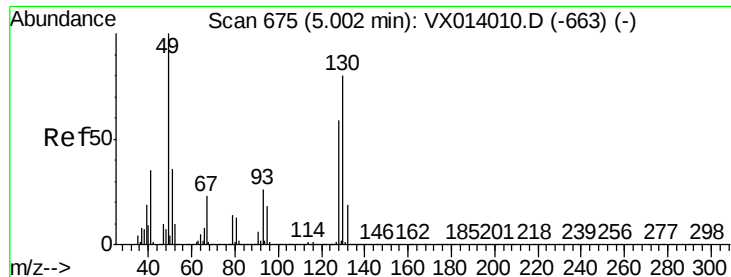
Tgt Ion: 43 Resp: 8213

Ion Ratio Lower Upper

43 100

72 29.3 21.0 31.4





#28

Bromochloromethane

Concen: 0.608 ug/l

RT: 4.99 min Scan# 673

Delta R.T. -0.01 min

Lab File: VX014383.D

Acq: 31 Dec 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

PB125804TB

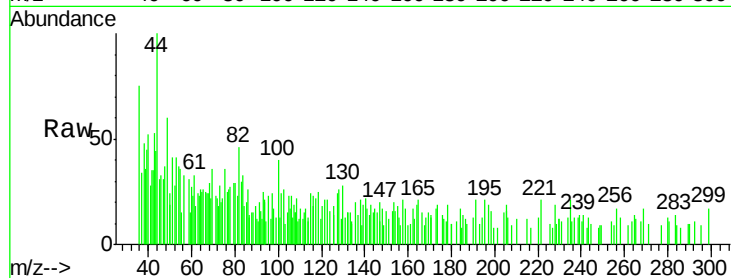
Tgt Ion: 49 Resp: 623

Ion Ratio Lower Upper

49 100

129 36.9 0.0 5.0#

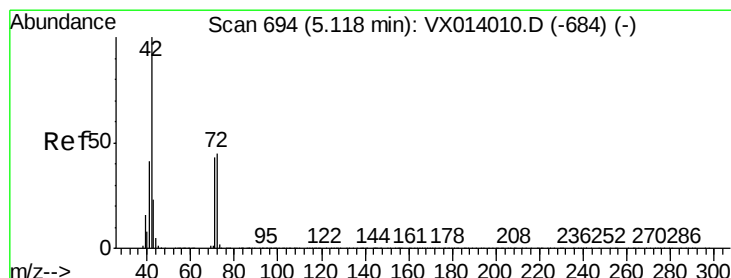
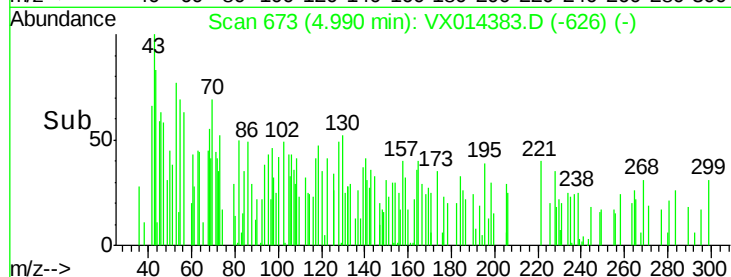
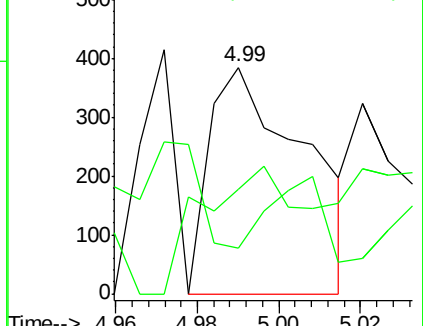
130 58.3 64.6 97.0#



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: 0.364 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.01 min

Lab File: VX014383.D

Acq: 31 Dec 2019 16:27

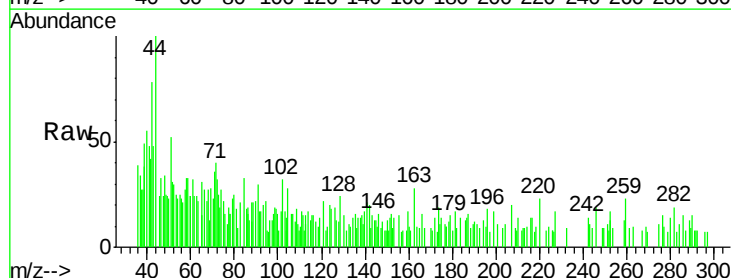
Tgt Ion: 42 Resp: 1010

Ion Ratio Lower Upper

42 100

72 44.1 35.8 53.8

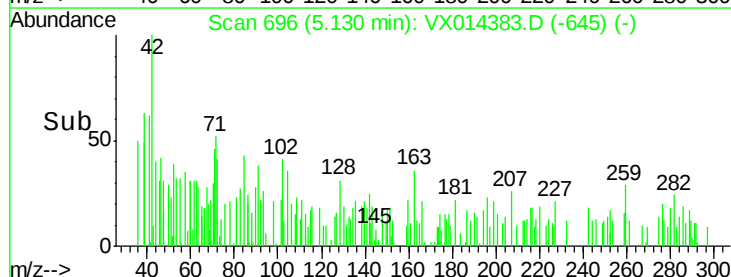
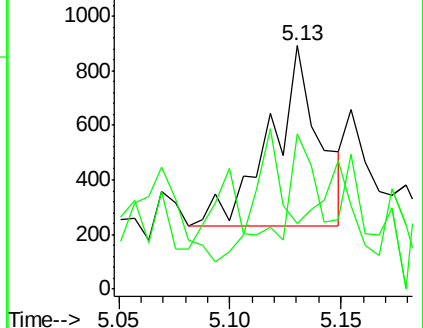
71 25.0 33.6 50.4#

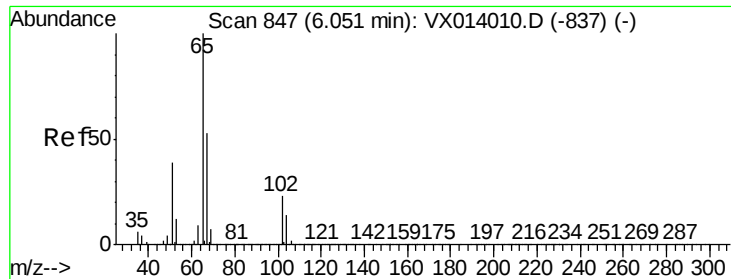


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.299 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014383.D

Acq: 31 Dec 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

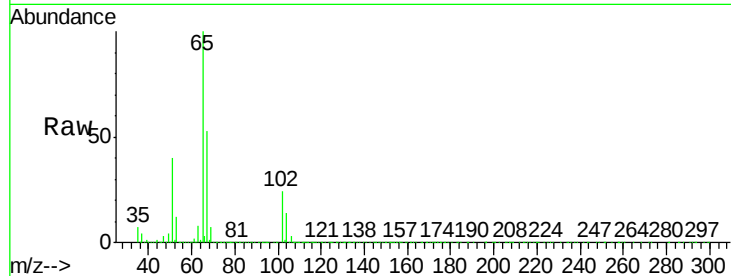
PB125804TB

Tgt Ion: 65 Resp: 293196

Ion Ratio Lower Upper

65 100

67 54.3 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

120000

100000

80000

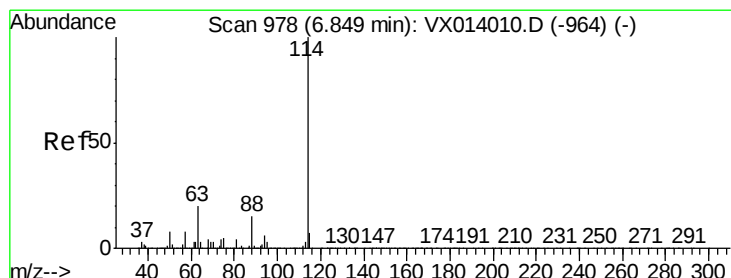
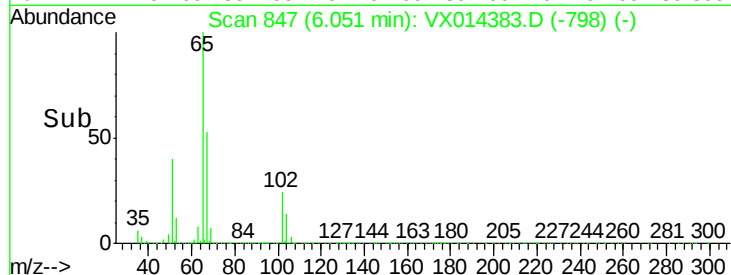
60000

40000

20000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014383.D

Acq: 31 Dec 2019 16:27

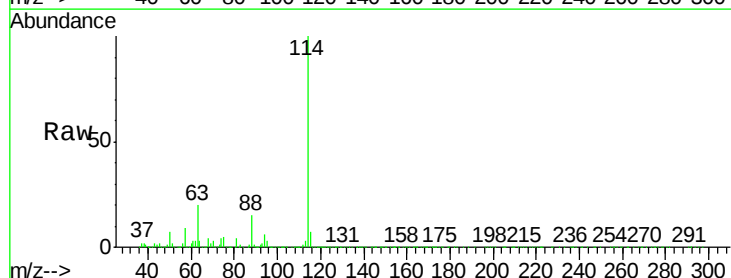
Tgt Ion: 114 Resp: 847083

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

88 15.4 0.0 30.4



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

6.85

500000

400000

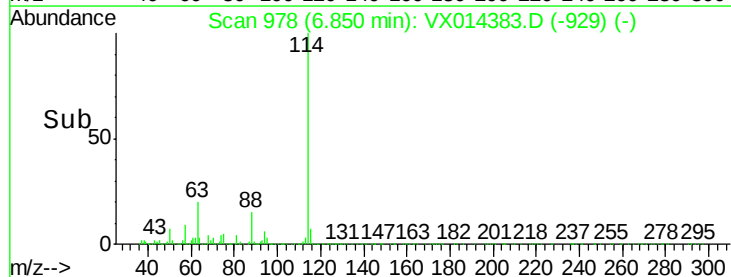
300000

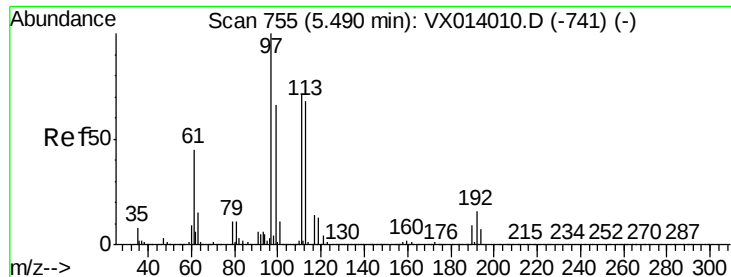
200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 48.148 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014383.D

Acq: 31 Dec 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

PB125804TB

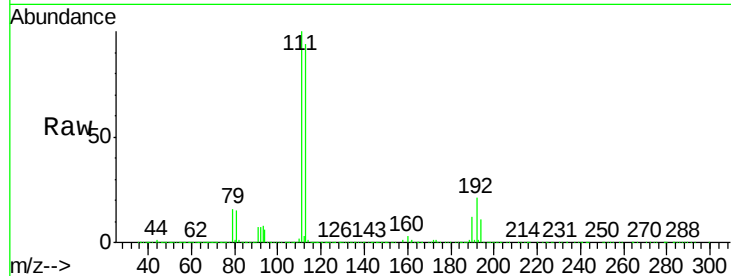
Tgt Ion:113 Resp: 247930

Ion Ratio Lower Upper

113 100

111 103.1 82.0 123.0

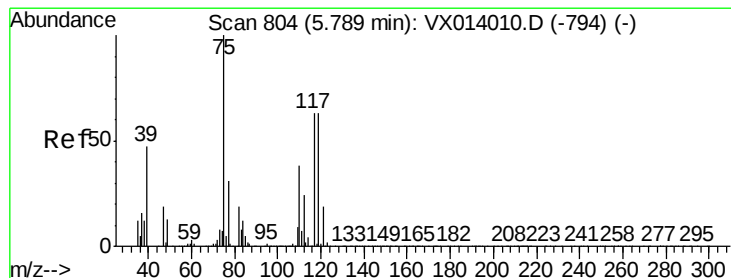
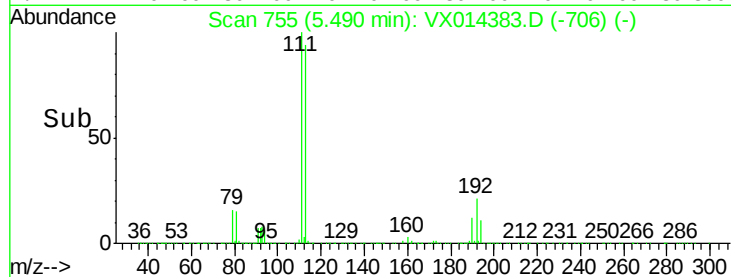
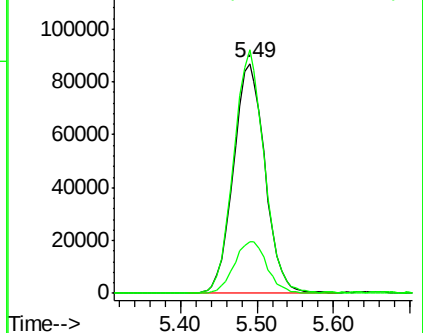
192 23.5 19.3 28.9



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: 4.714 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX014383.D

Acq: 31 Dec 2019 16:27

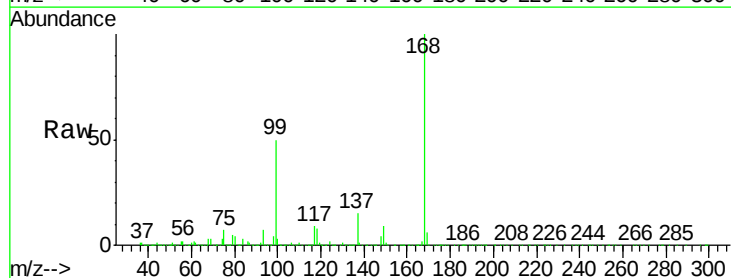
Tgt Ion: 75 Resp: 36640

Ion Ratio Lower Upper

75 100

110 12.1 18.3 54.9#

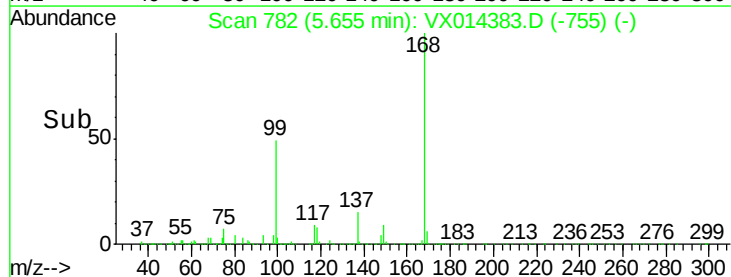
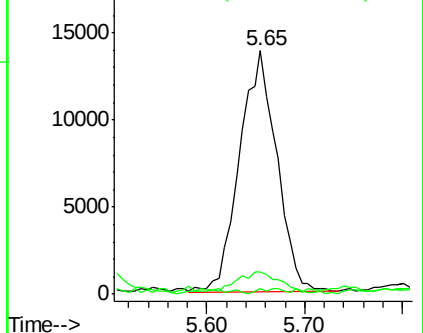
77 1.5 24.8 37.2#

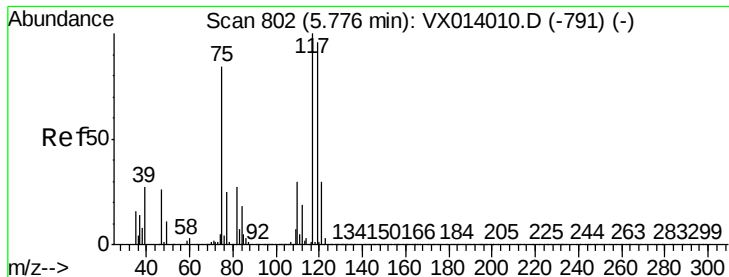


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.653 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014383.D

Acq: 31 Dec 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

PB125804TB

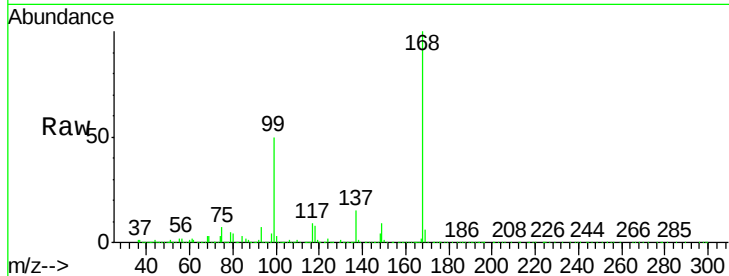
Tgt Ion: 117 Resp: 47110

Ion Ratio Lower Upper

117 100

119 5.1 76.2 114.4#

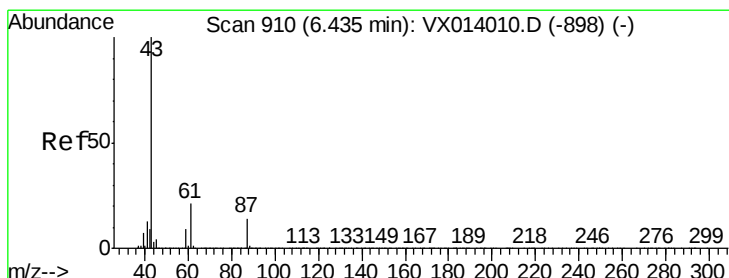
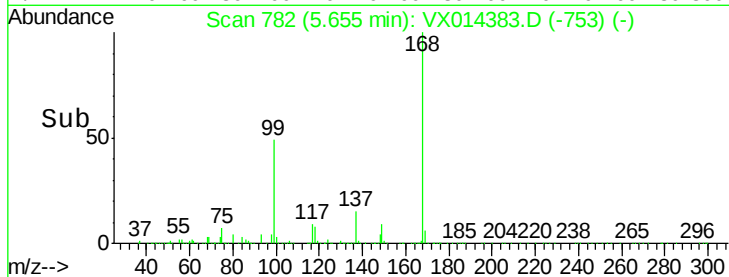
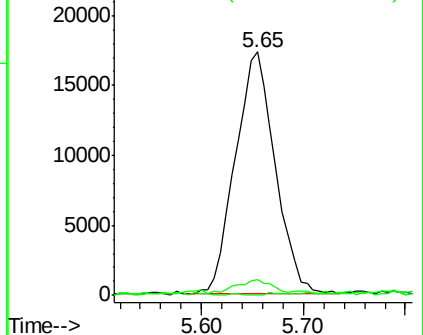
121 0.0 23.6 35.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 10.638 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX014383.D

Acq: 31 Dec 2019 16:27

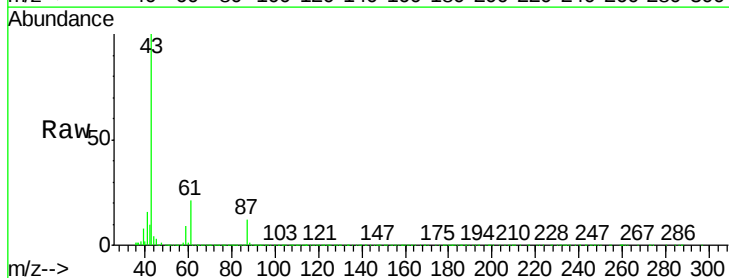
Tgt Ion: 43 Resp: 151108

Ion Ratio Lower Upper

43 100

61 20.1 16.4 24.6

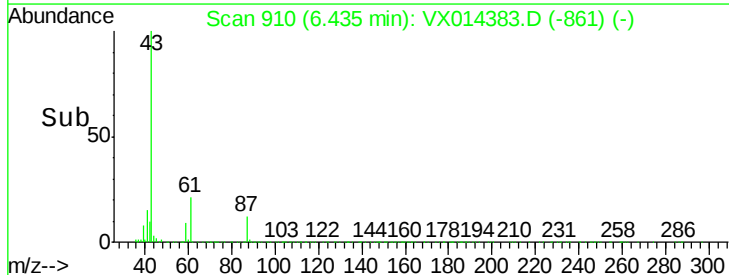
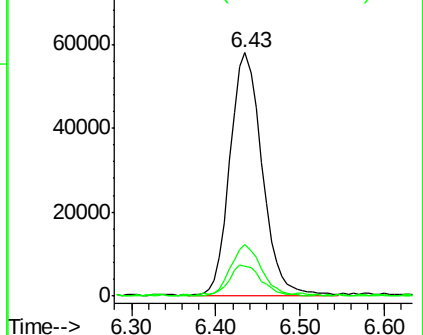
87 12.4 10.7 16.1

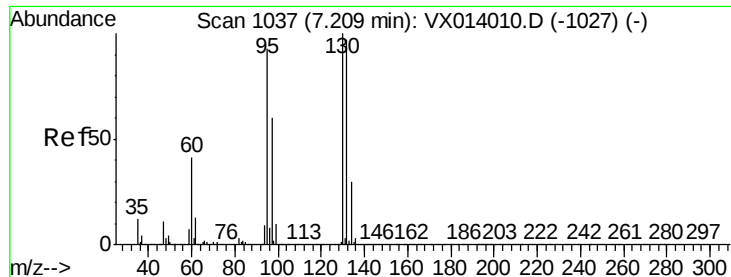


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#44

Trichloroethene

Concen: 0.204 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX014383.D

Acq: 31 Dec 2019 16:27

Instrument :

MSVOA_X

ClientSampled :

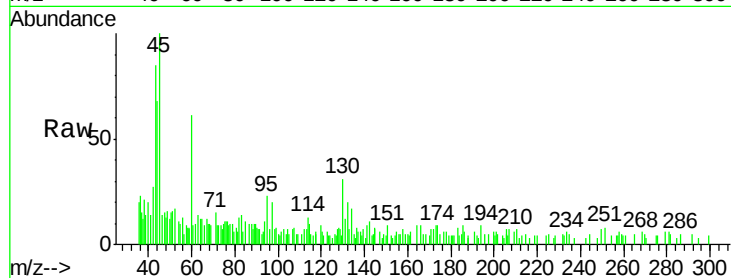
PB125804TB

Tgt Ion:130 Resp: 1349

Ion Ratio Lower Upper

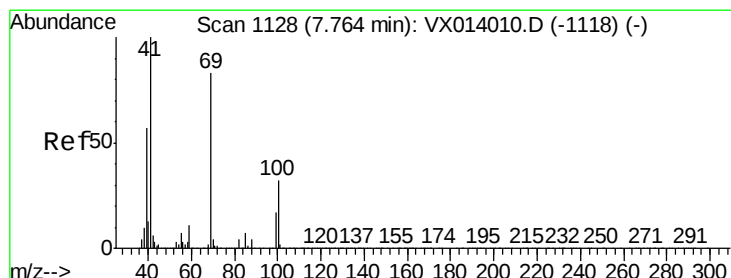
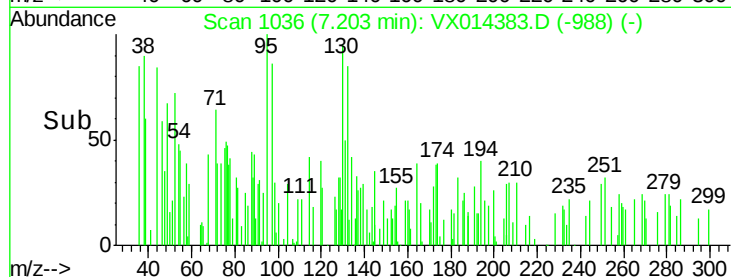
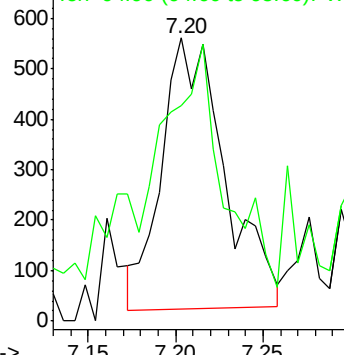
130 100

95 73.5 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#48

Methyl methacrylate

Concen: 1.083 ug/l

RT: 7.67 min Scan# 1112

Delta R.T. -0.10 min

Lab File: VX014383.D

Acq: 31 Dec 2019 16:27

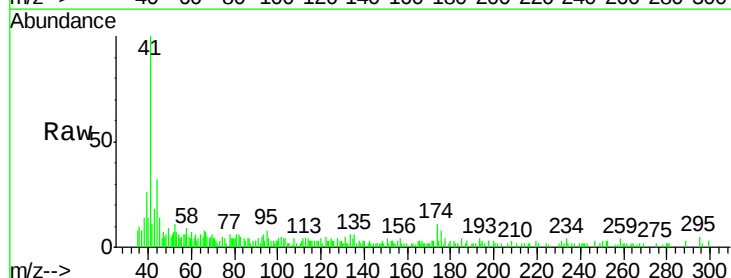
Tgt Ion: 41 Resp: 7530

Ion Ratio Lower Upper

41 100

69 4.1 65.8 98.6#

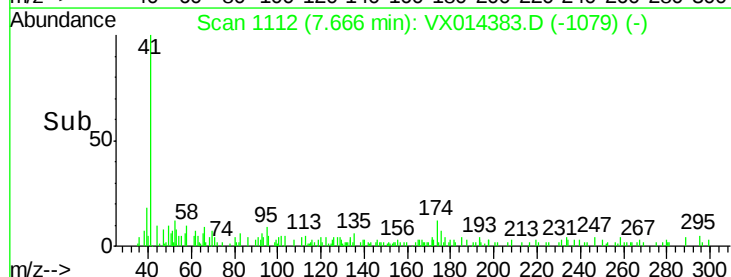
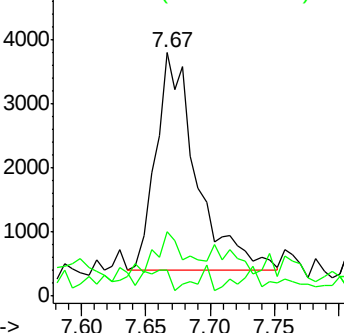
39 0.0 44.6 67.0#

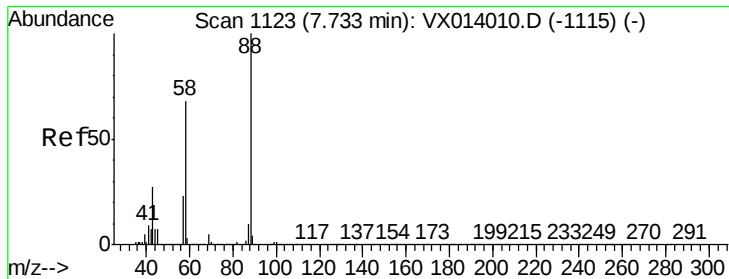


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

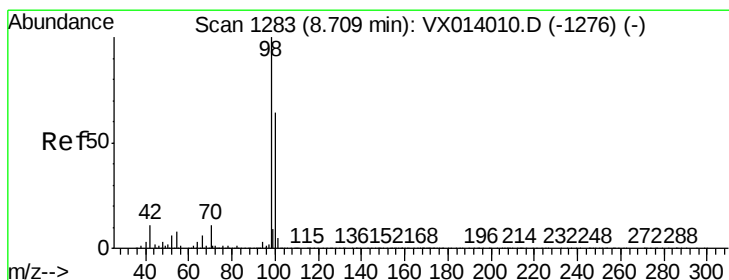
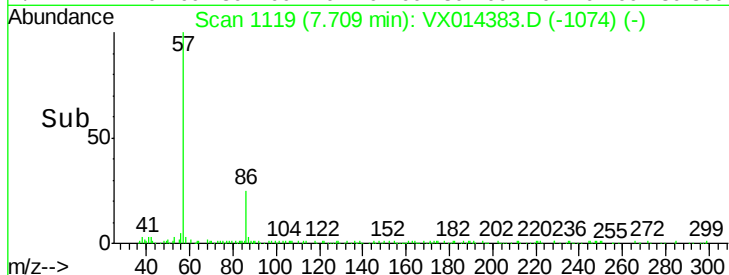
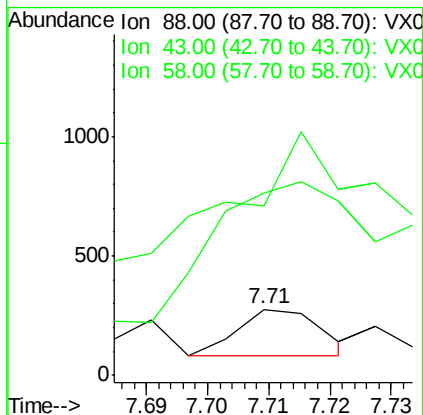
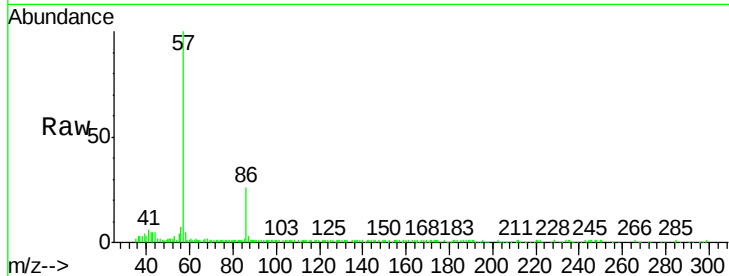




#49
1,4-Dioxane
Concen: 1.307 ug/l
RT: 7.71 min Scan# 1119
Delta R.T. -0.02 min
Lab File: VX014383.D
Acq: 31 Dec 2019 16:27

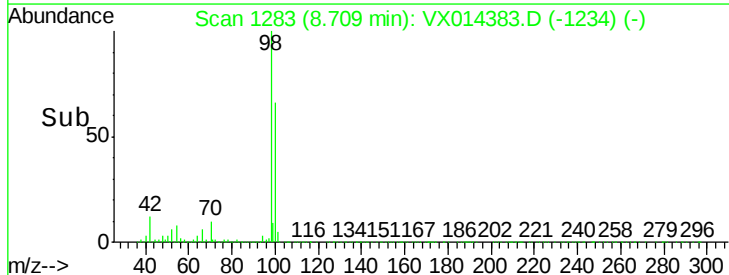
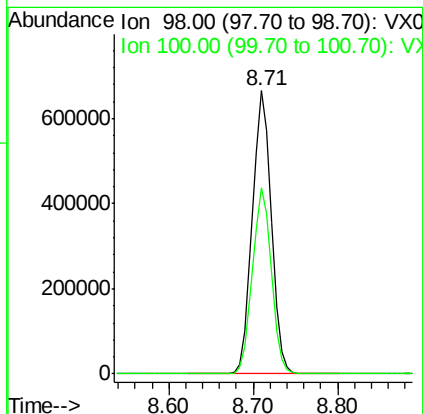
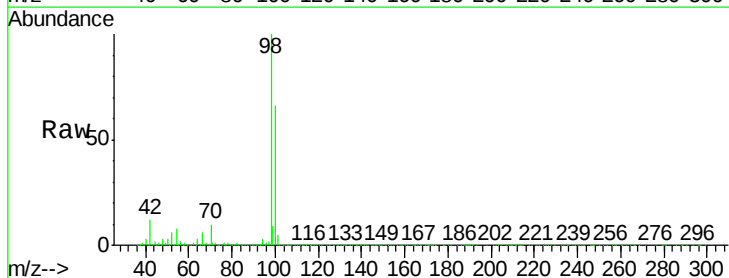
Instrument :
MSVOA_X
ClientSampled :
PB125804TB

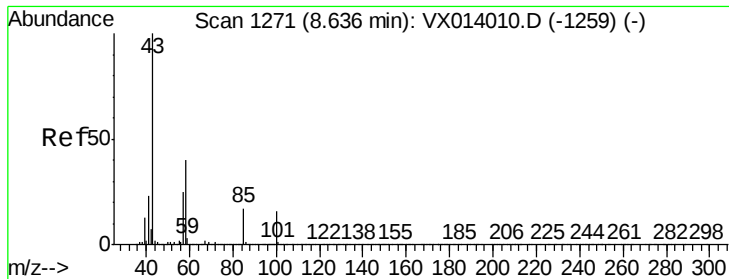
Tgt Ion: 88 Resp: 185
Ion Ratio Lower Upper
88 100
43 0.0 26.5 39.7#
58 949.7 56.8 85.2#



#50
Toluene-d8
Concen: 50.473 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014383.D
Acq: 31 Dec 2019 16:27

Tgt Ion: 98 Resp: 1011857
Ion Ratio Lower Upper
98 100
100 65.4 52.9 79.3

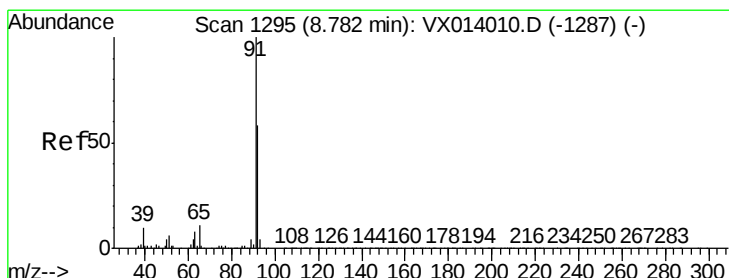
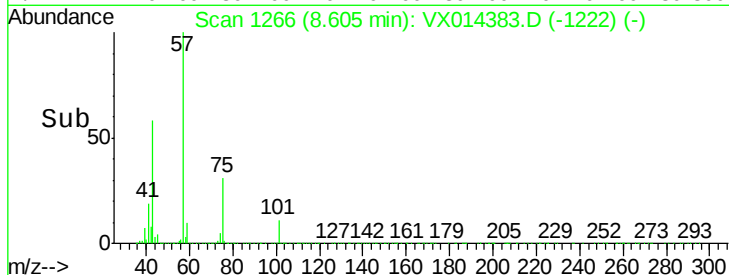
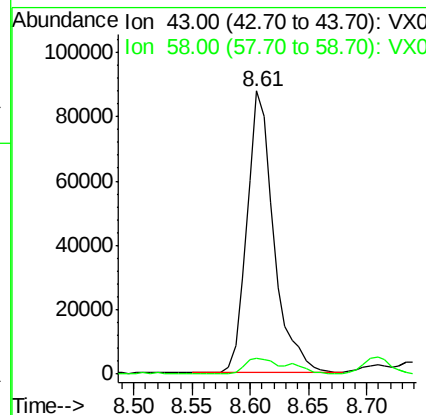
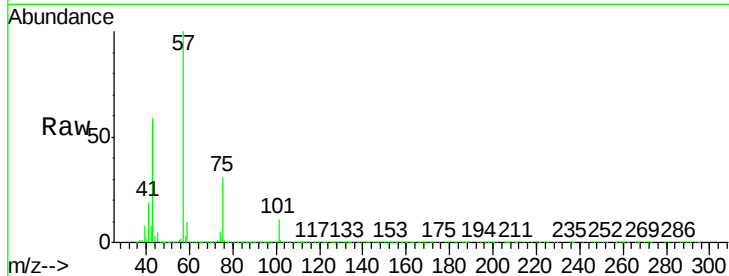




#51
 4-Methyl-2-Pentanone
 Concen: 15.850 ug/l
 RT: 8.61 min Scan# 1266
 Delta R.T. -0.03 min
 Lab File: VX014383.D
 Acq: 31 Dec 2019 16:27

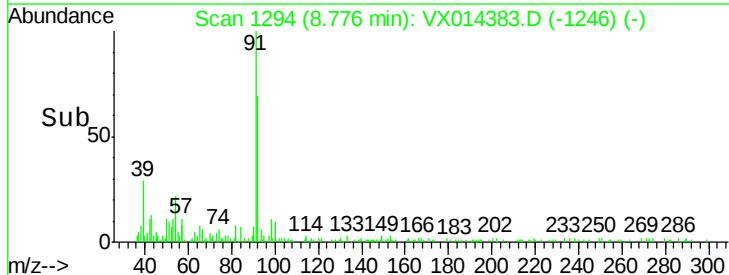
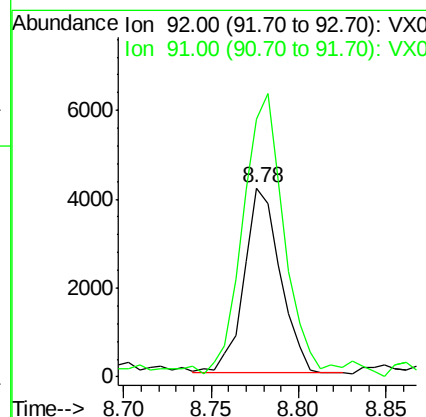
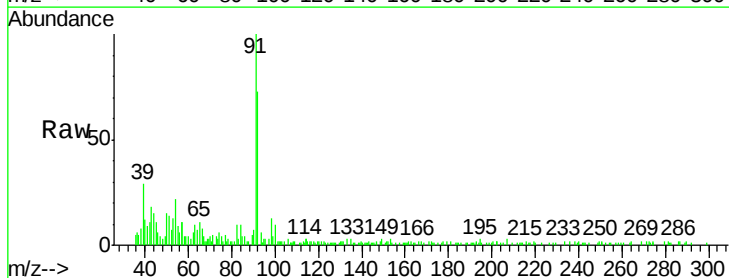
Instrument :
 MSVOA_X
 ClientSampleId :
 PB125804TB

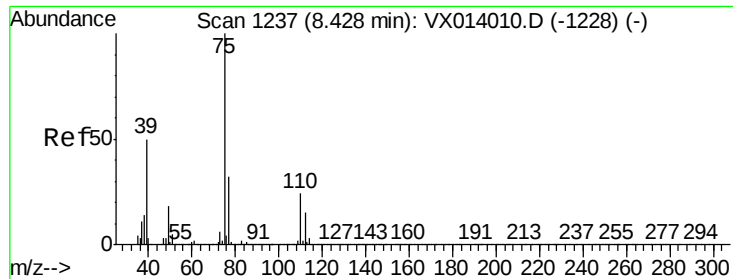
Tgt Ion: 43 Resp: 141390
 Ion Ratio Lower Upper
 43 100
 58 6.4 32.2 48.2#



#52
 Toluene
 Concen: 0.397 ug/l
 RT: 8.78 min Scan# 1294
 Delta R.T. -0.01 min
 Lab File: VX014383.D
 Acq: 31 Dec 2019 16:27

Tgt Ion: 92 Resp: 5998
 Ion Ratio Lower Upper
 92 100
 91 169.7 136.2 204.4





#54

cis-1,3-Dichloropropene

Concen: 7.189 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. 0.18 min

Lab File: VX014383.D

Acq: 31 Dec 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

PB125804TB

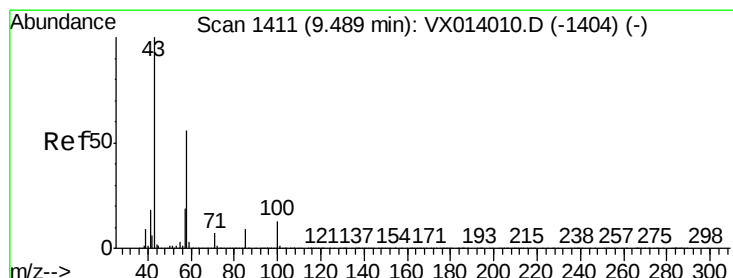
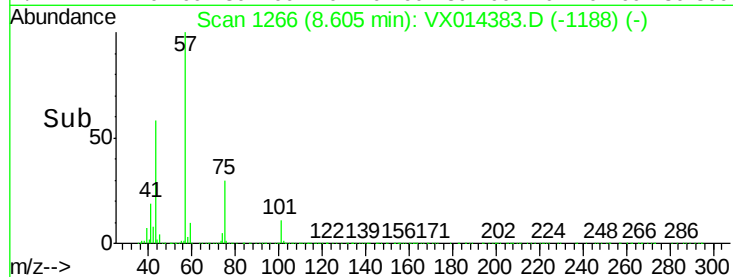
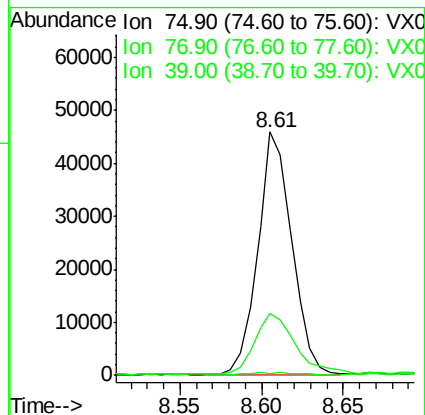
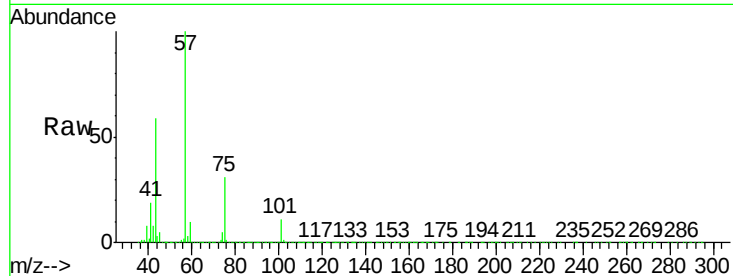
Tgt Ion: 75 Resp: 67029

Ion Ratio Lower Upper

75 100

77 0.5 25.3 37.9#

39 24.9 39.9 59.9#



#59

2-Hexanone

Concen: 22.412 ug/l

RT: 9.54 min Scan# 1419

Delta R.T. 0.05 min

Lab File: VX014383.D

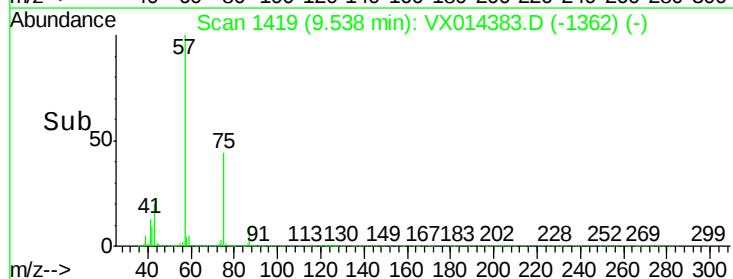
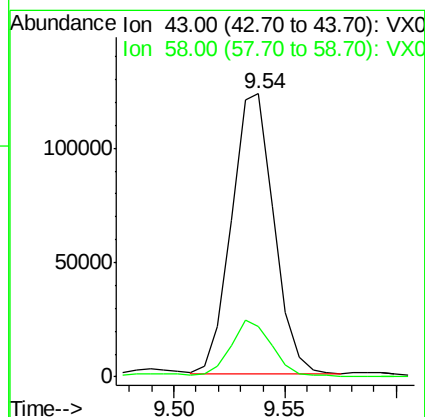
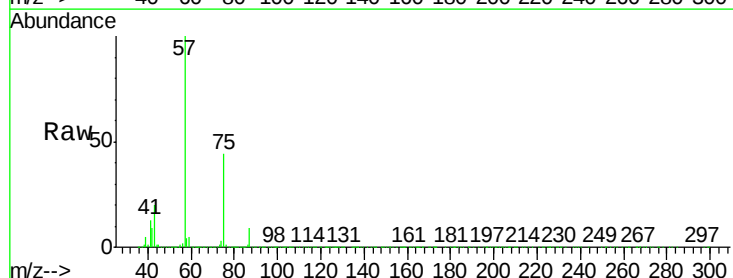
Acq: 31 Dec 2019 16:27

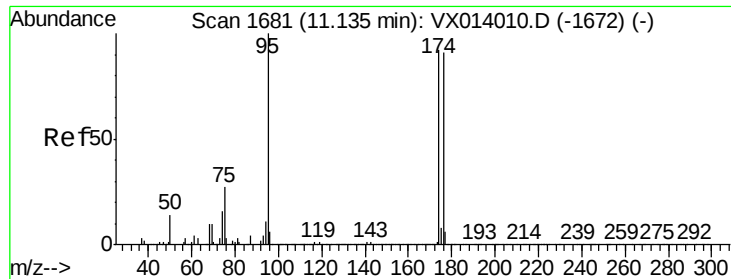
Tgt Ion: 43 Resp: 160940

Ion Ratio Lower Upper

43 100

58 19.8 28.0 84.0#

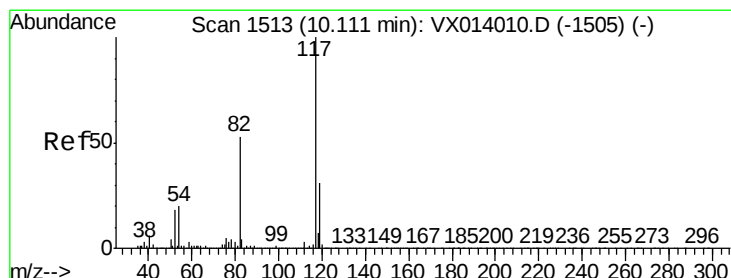
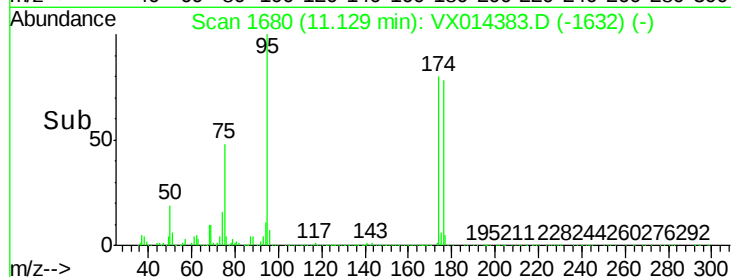
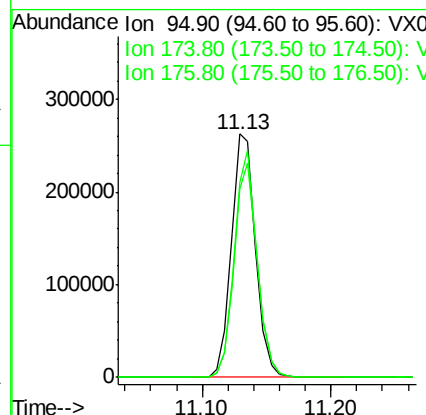
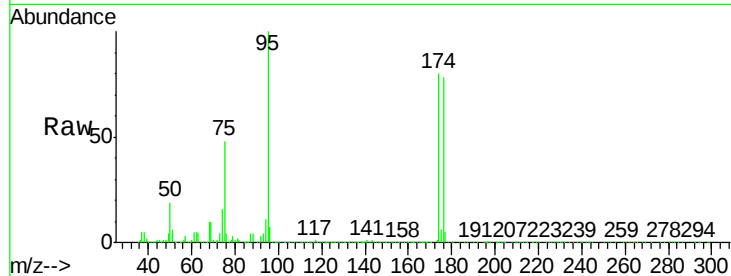




#62
4-Bromofluorobenzene
Concen: 47.227 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014383.D
Acq: 31 Dec 2019 16:27

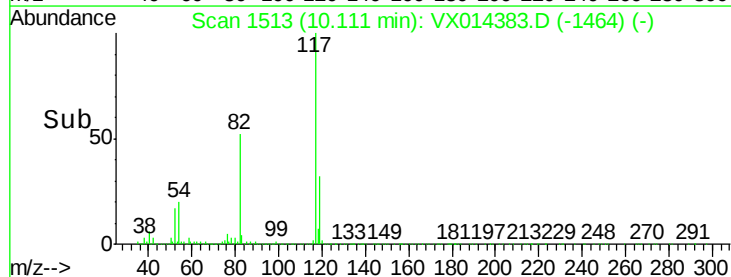
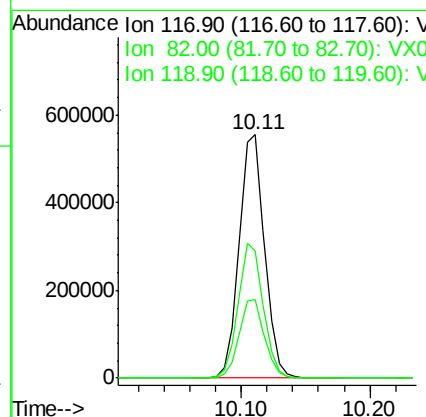
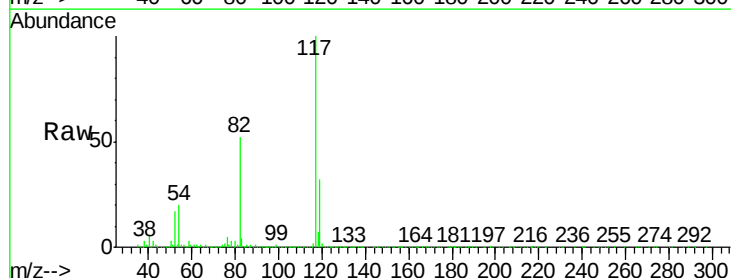
Instrument :
MSVOA_X
ClientSampleId :
PB125804TB

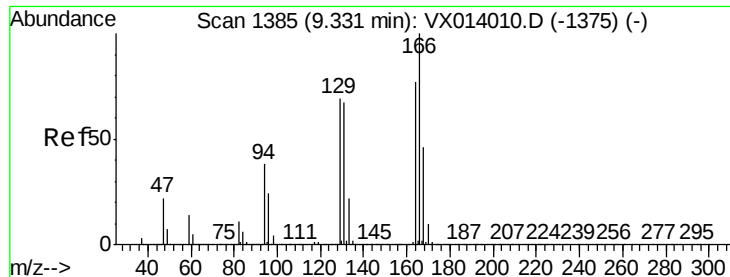
Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.0	0.0	175.8
176	84.9	0.0	173.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014383.D
Acq: 31 Dec 2019 16:27

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.0	42.2	63.4
119	32.0	25.1	37.7





#64

Tetrachloroethene

Concen: 0.213 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX014383.D

Acq: 31 Dec 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

PB125804TB

Tgt Ion:164 Resp: 1438

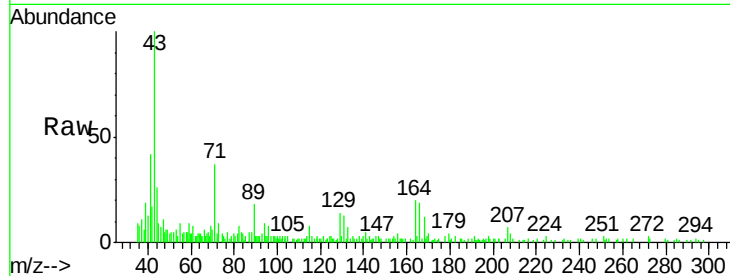
Ion Ratio Lower Upper

164 100

166 86.6 104.0 156.0#

129 48.8 72.2 108.4#

131 57.3 69.6 104.4#



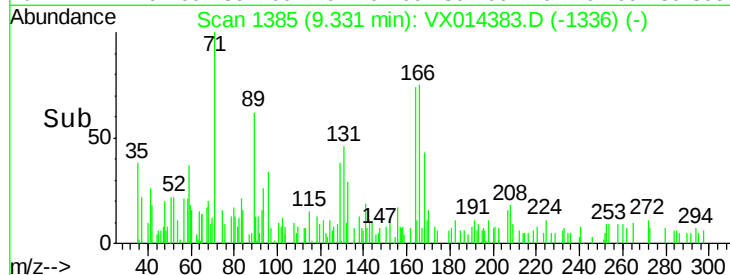
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

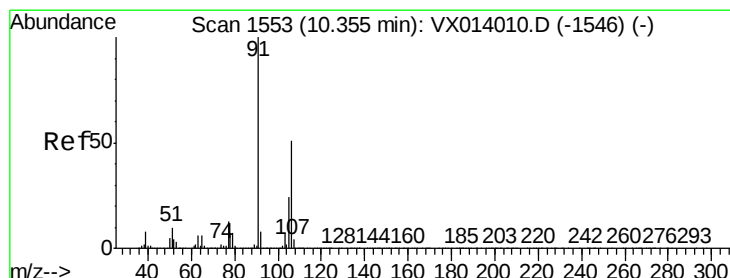
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



Time-->



#68

m/p-Xylenes

Concen: 0.260 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014383.D

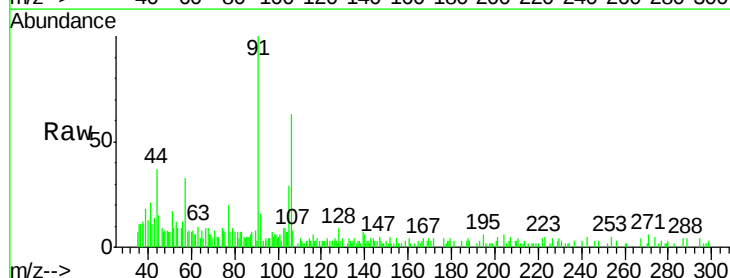
Acq: 31 Dec 2019 16:27

Tgt Ion:106 Resp: 2786

Ion Ratio Lower Upper

106 100

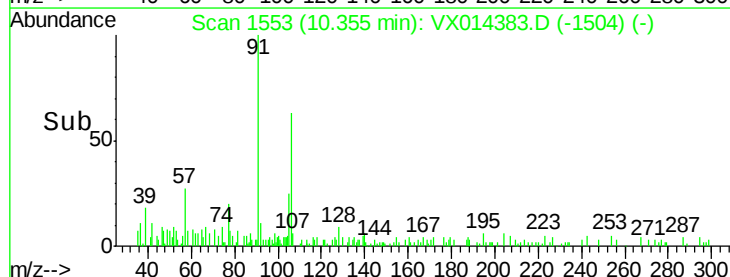
91 159.4 158.6 238.0



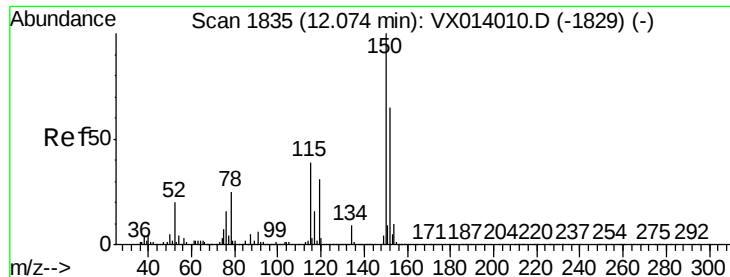
Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

Time-->



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014383.D

Acq: 31 Dec 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

PB125804TB

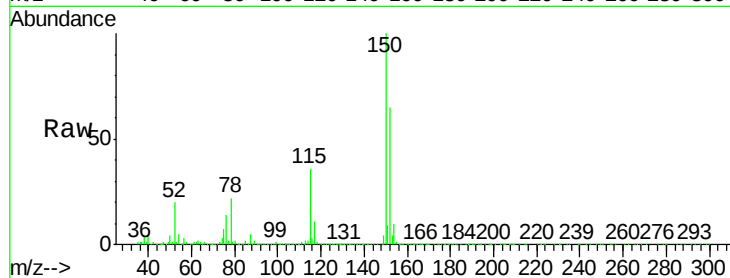
Tgt Ion:152 Resp: 343496

Ion Ratio Lower Upper

152 100

115 55.5 38.3 114.9

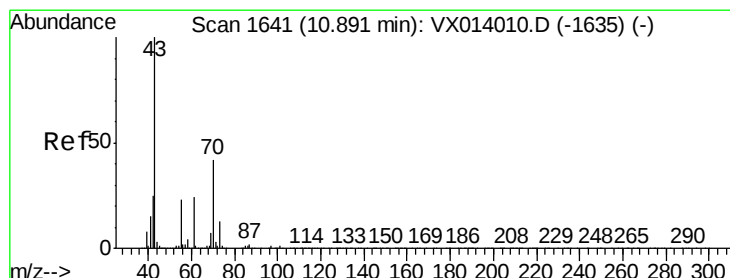
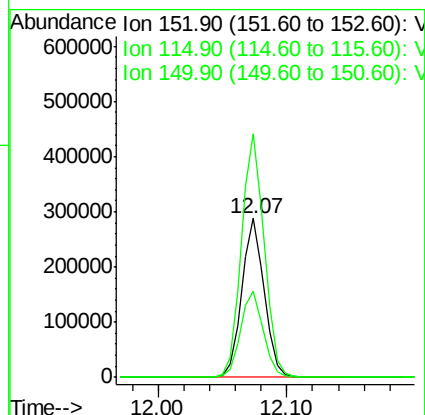
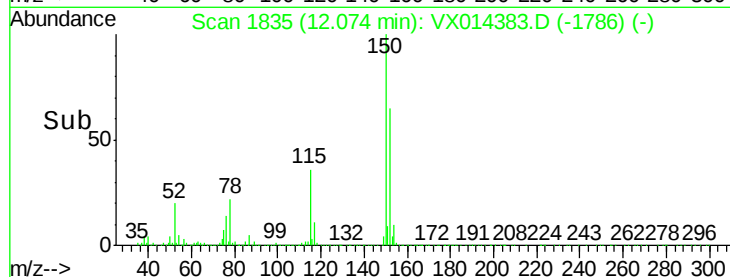
150 156.3 0.0 345.4



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: 0.642 ug/l

RT: 10.82 min Scan# 1630

Delta R.T. -0.07 min

Lab File: VX014383.D

Acq: 31 Dec 2019 16:27

Tgt Ion: 43 Resp: 7278

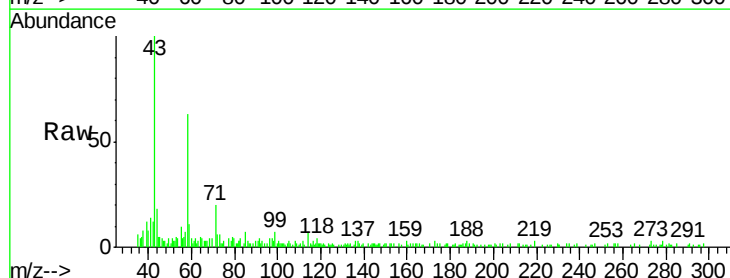
Ion Ratio Lower Upper

43 100

70 2.9 34.4 51.6#

55 9.9 19.1 28.7#

61 0.0 19.7 29.5#

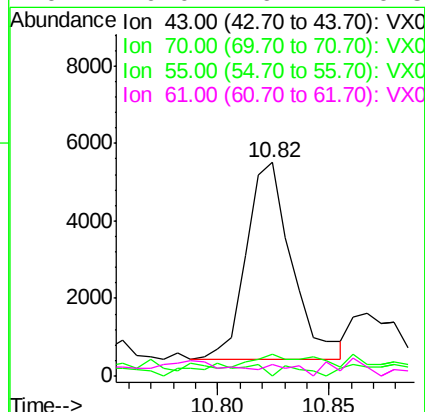
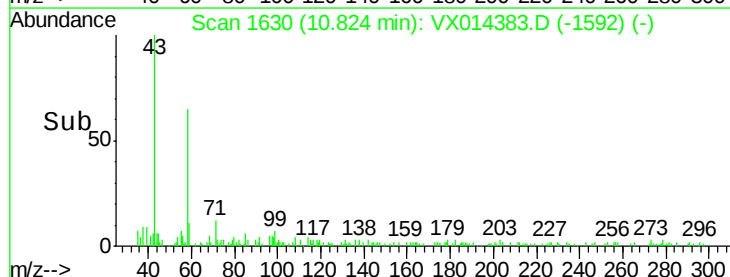


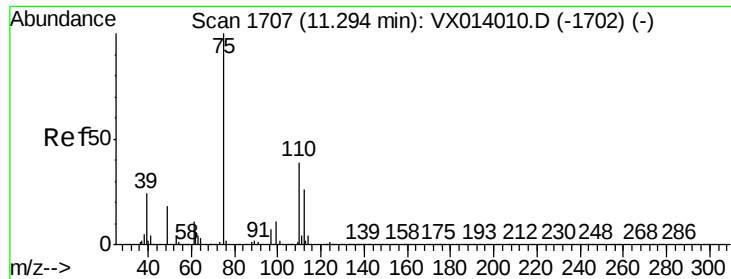
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 22.345 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014383.D

Acq: 31 Dec 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

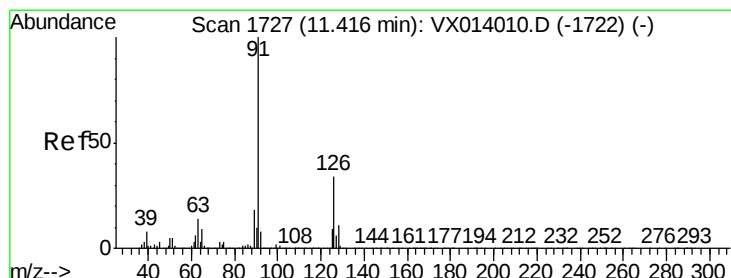
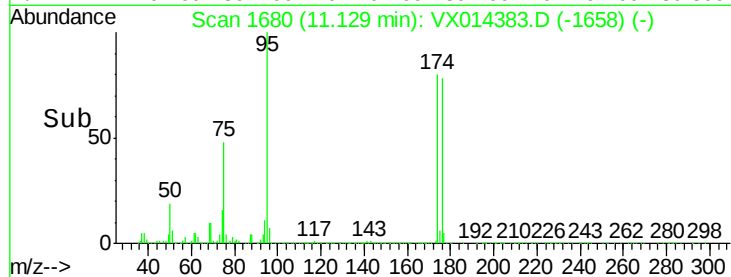
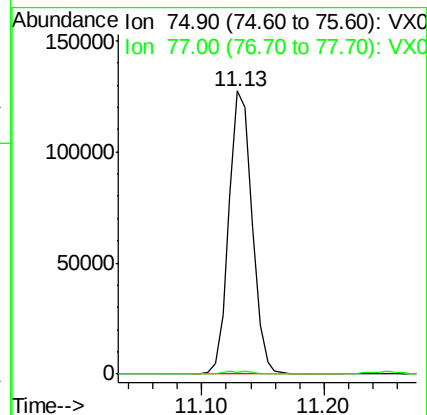
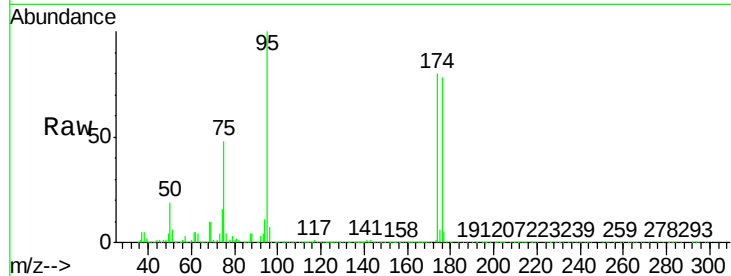
PB125804TB

Tgt Ion: 75 Resp: 166633

Ion Ratio Lower Upper

75 100

77 1.6 19.3 57.8#



#79

2-Chlorotoluene

Concen: 0.261 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.09 min

Lab File: VX014383.D

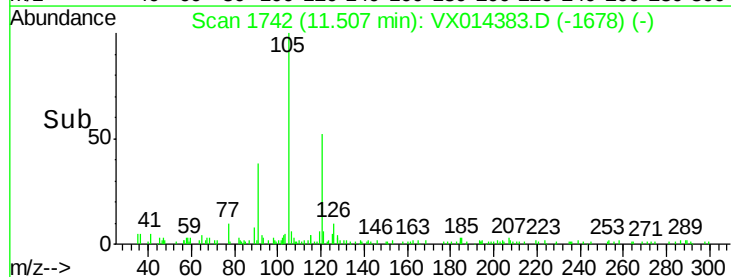
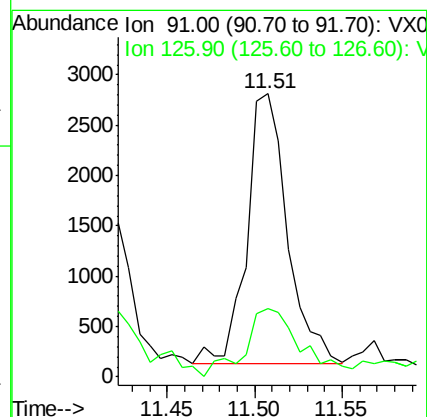
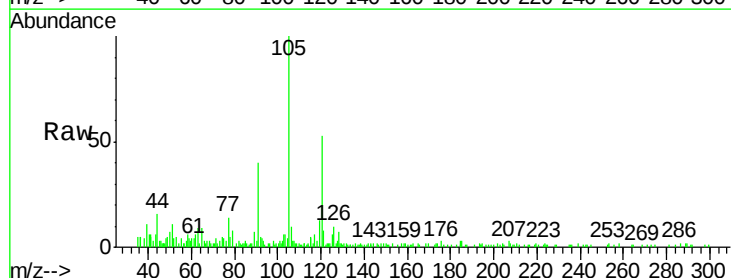
Acq: 31 Dec 2019 16:27

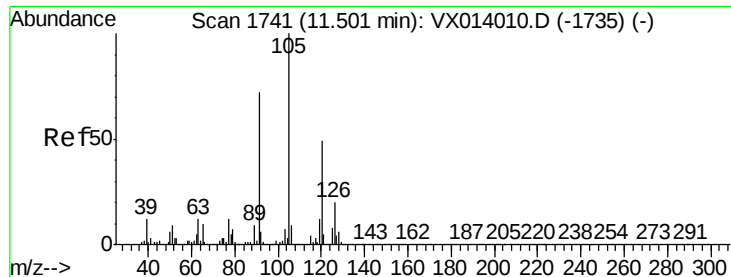
Tgt Ion: 91 Resp: 4310

Ion Ratio Lower Upper

91 100

126 35.6 17.2 51.6





#80

1,3,5-Trimethylbenzene

Concen: 0.513 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014383.D

Acq: 31 Dec 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

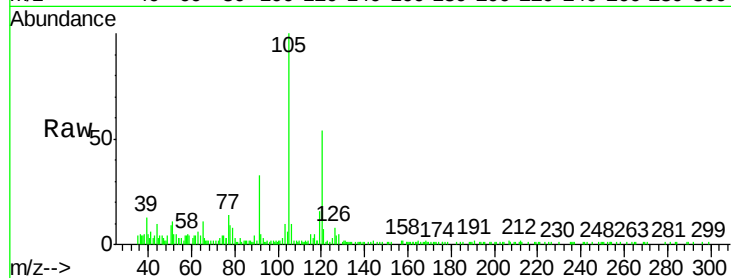
PB125804TB

Tgt Ion:105 Resp: 10451

Ion Ratio Lower Upper

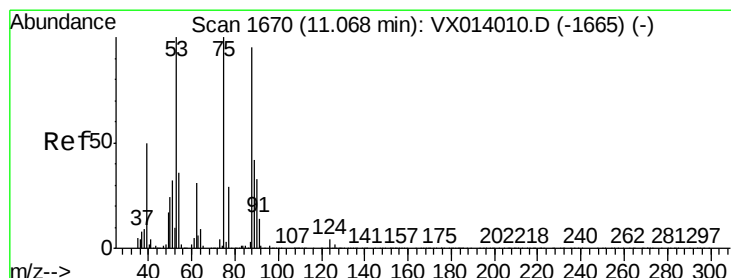
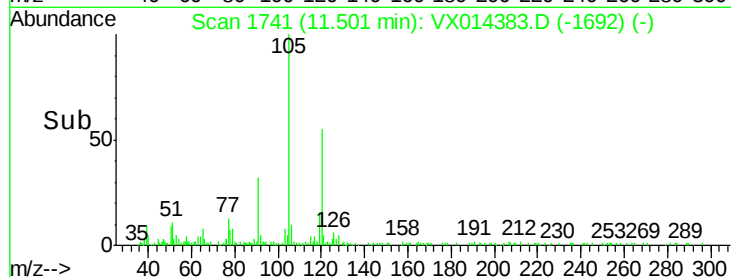
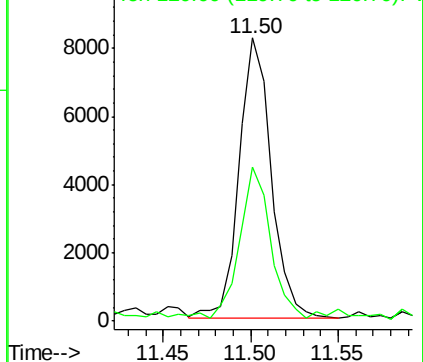
105 100

120 51.1 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 63.070 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014383.D

Acq: 31 Dec 2019 16:27

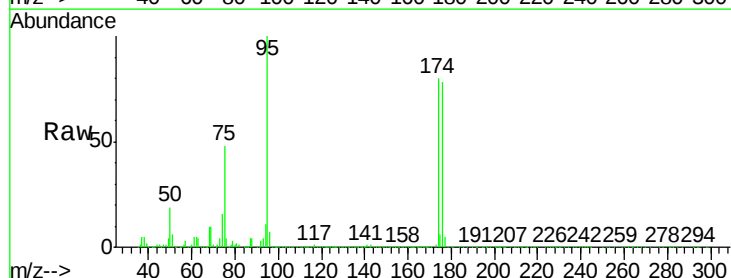
Tgt Ion: 75 Resp: 166633

Ion Ratio Lower Upper

75 100

53 0.3 76.7 115.1#

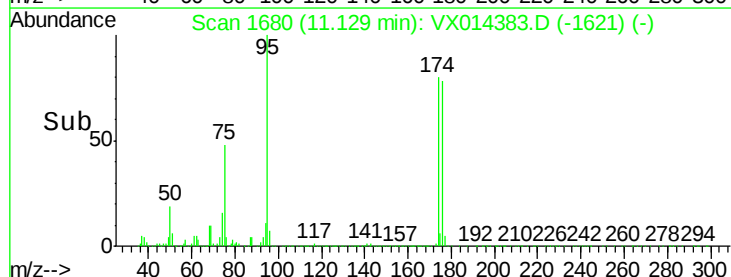
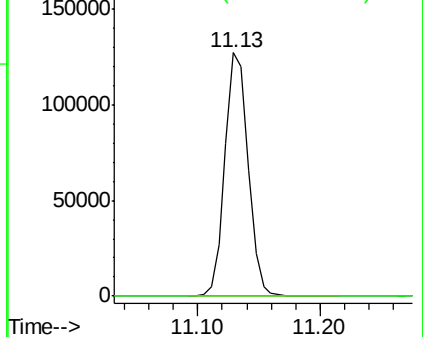
89 0.0 34.6 51.8#

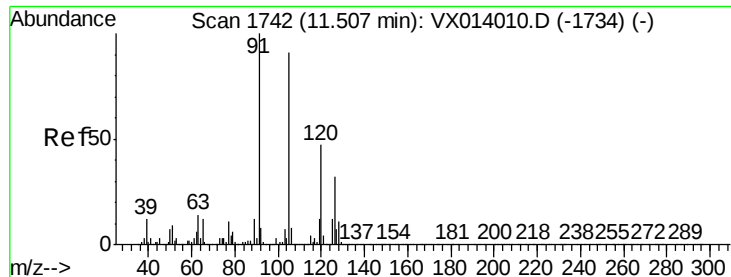


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

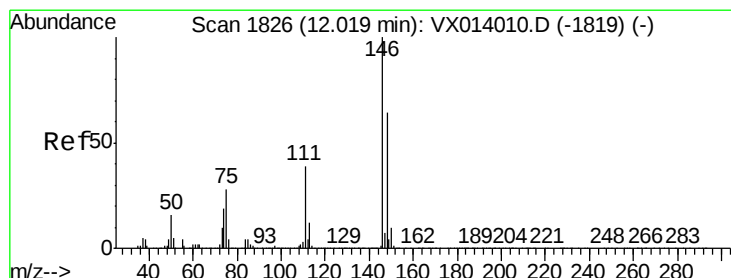
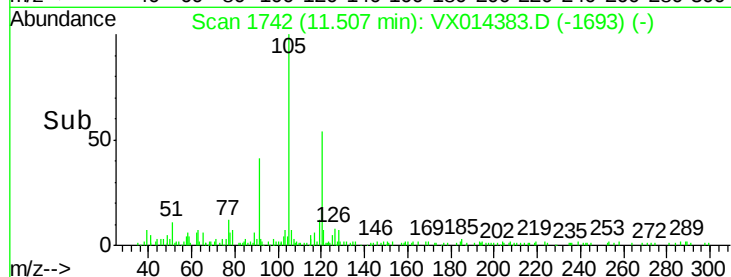
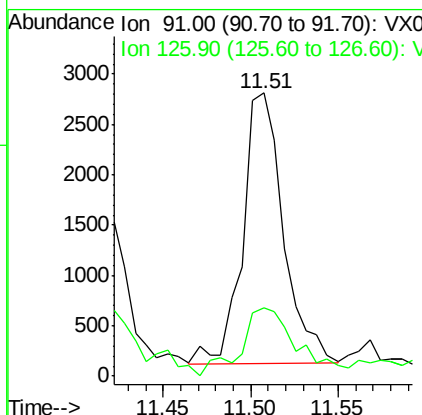
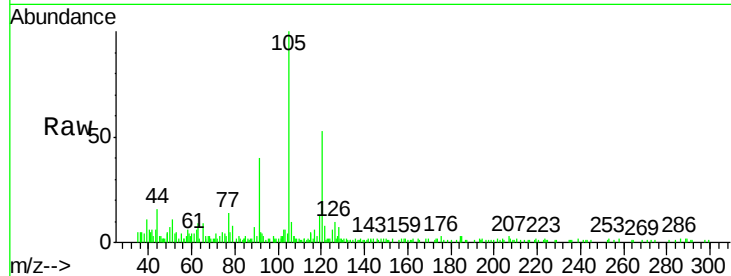




#82
4-Chlorotoluene
Concen: 0.227 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX014383.D
Acq: 31 Dec 2019 16:27

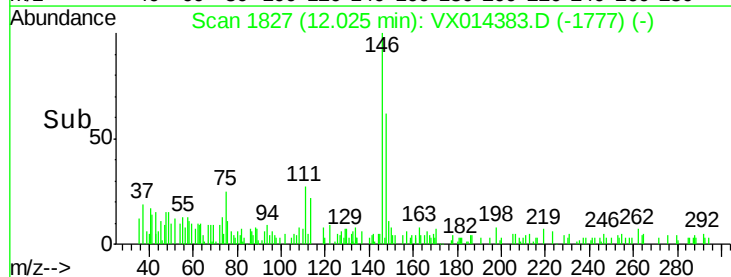
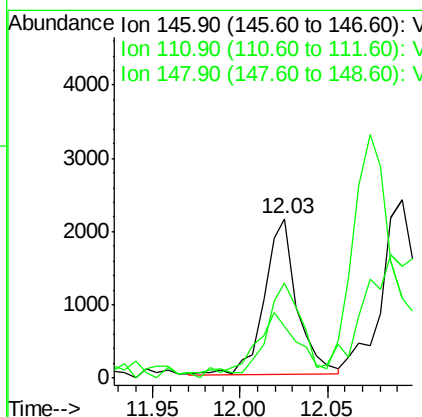
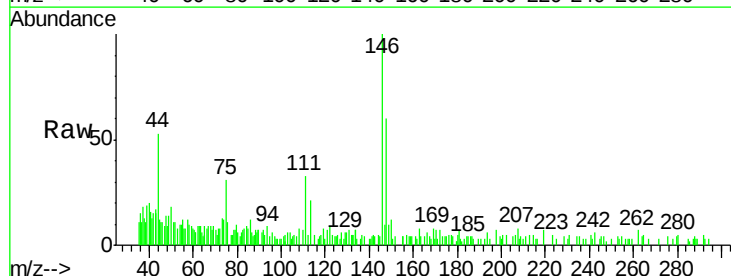
Instrument :
MSVOA_X
ClientSampleId :
PB125804TB

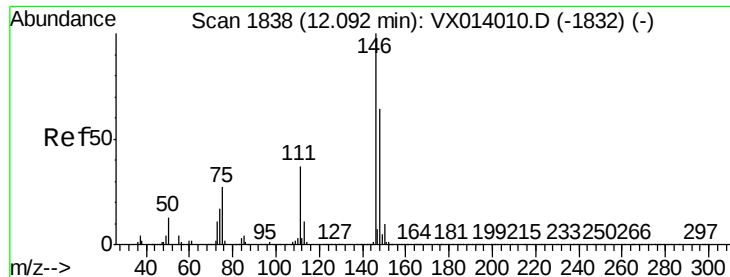
Tgt Ion: 91 Resp: 4351
Ion Ratio Lower Upper
91 100
126 35.3 15.6 46.8



#87
1,3-Dichlorobenzene
Concen: 0.236 ug/l
RT: 12.03 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VX014383.D
Acq: 31 Dec 2019 16:27

Tgt Ion: 146 Resp: 2747
Ion Ratio Lower Upper
146 100
111 58.8 19.1 57.1#
148 66.9 32.3 96.9





#88

1,4-Dichlorobenzene

Concen: 0.286 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX014383.D

Acq: 31 Dec 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

PB125804TB

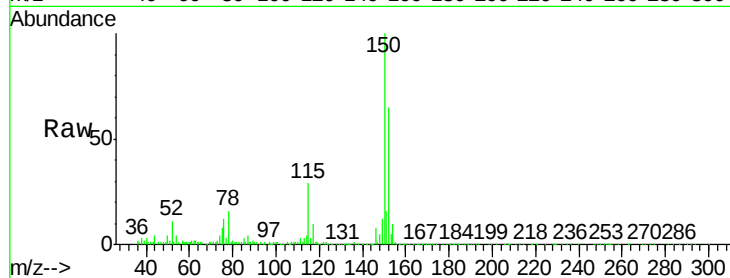
Tgt Ion: 146 Resp: 3391

Ion Ratio Lower Upper

146 100

111 154.1 18.7 56.1#

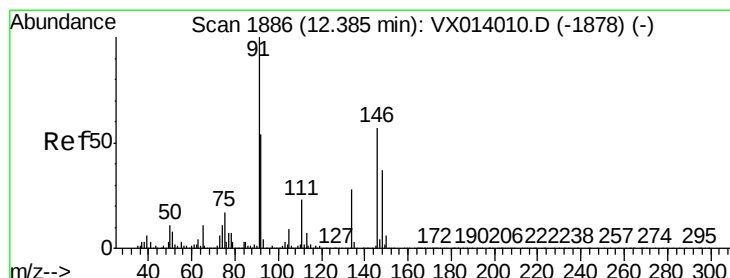
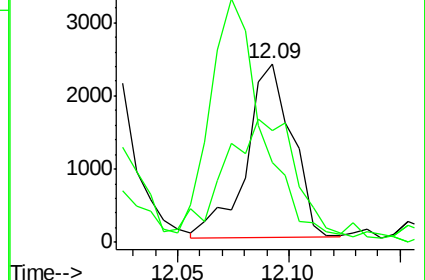
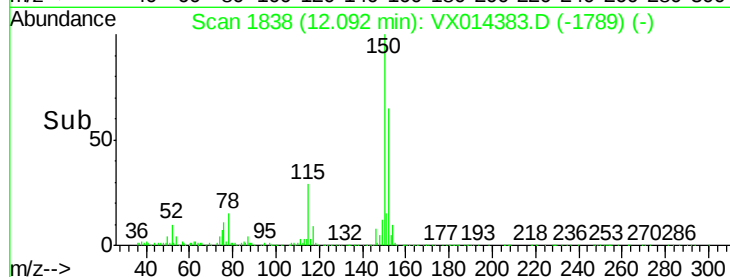
148 114.8 31.9 95.9#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.241 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014383.D

Acq: 31 Dec 2019 16:27

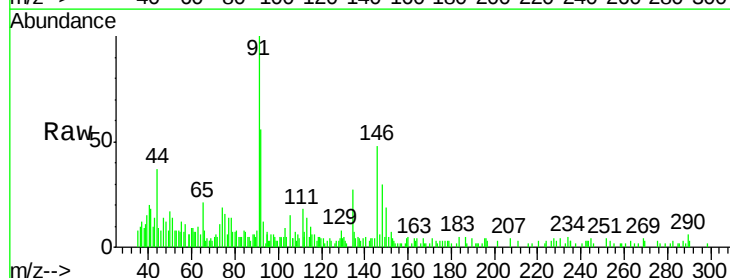
Tgt Ion: 91 Resp: 4394

Ion Ratio Lower Upper

91 100

92 50.1 27.2 81.6

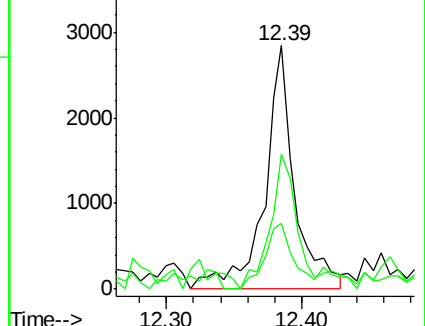
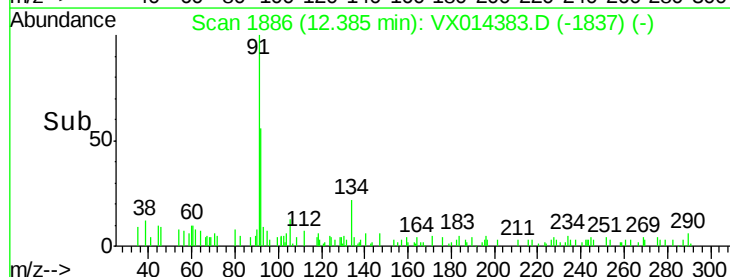
134 26.2 13.4 40.1

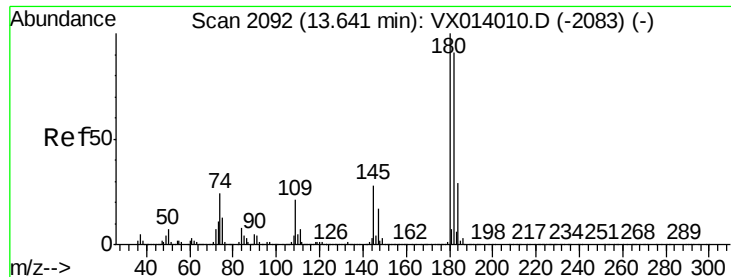


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

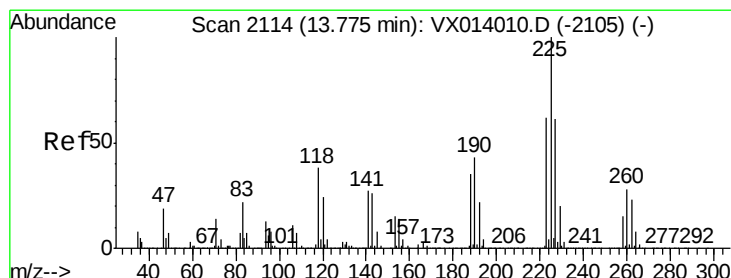
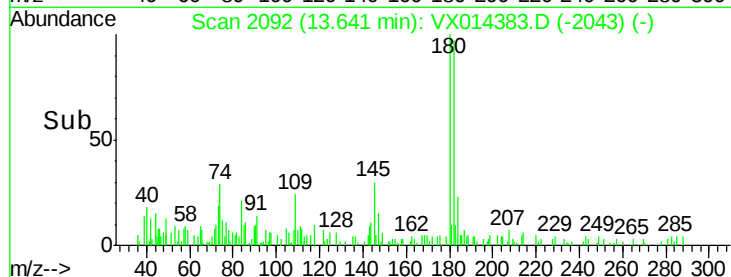
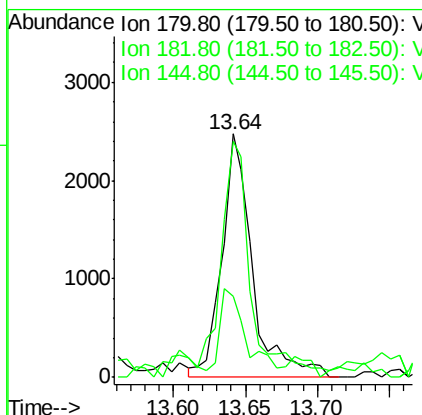
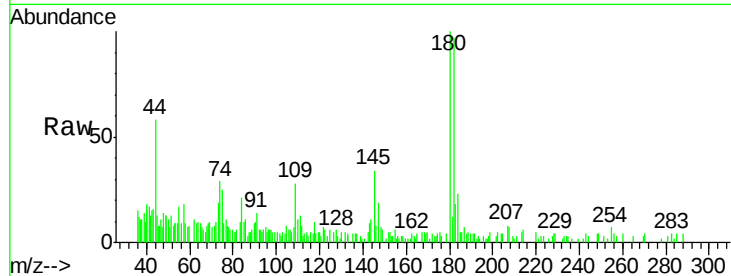




#93
 1,2,4-Trichlorobenzene
 Concen: 0.484 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014383.D
 Acq: 31 Dec 2019 16:27

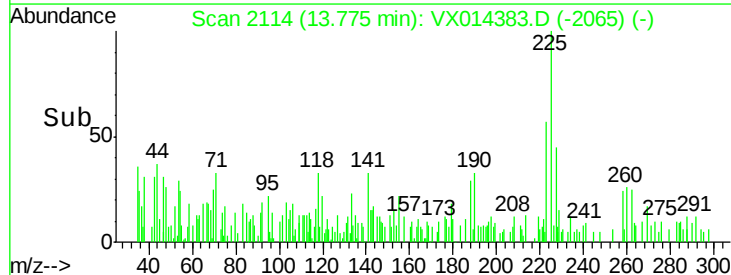
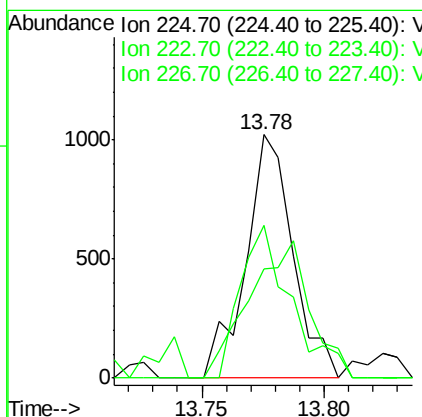
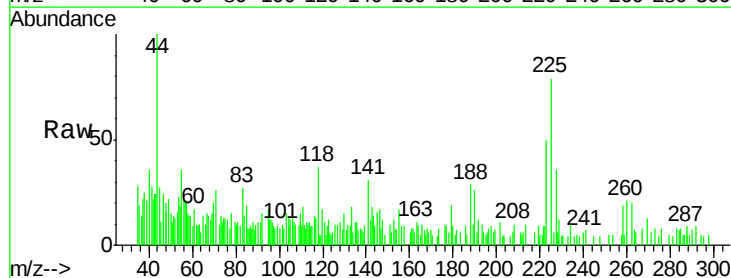
Instrument :
 MSVOA_X
 ClientSampleId :
 PB125804TB

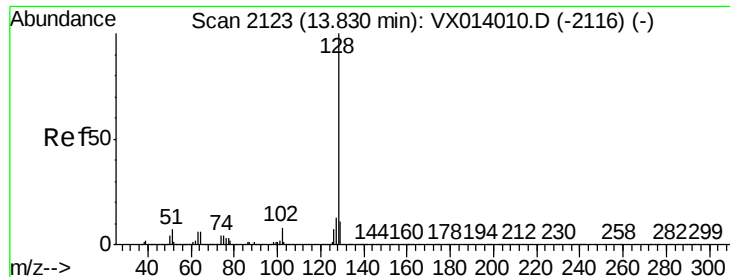
Tgt Ion:180 Resp: 3696
 Ion Ratio Lower Upper
 180 100
 182 86.2 46.6 139.8
 145 26.7 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 0.374 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014383.D
 Acq: 31 Dec 2019 16:27

Tgt Ion:225 Resp: 1371
 Ion Ratio Lower Upper
 225 100
 223 66.9 30.9 92.5
 227 72.6 30.9 92.7

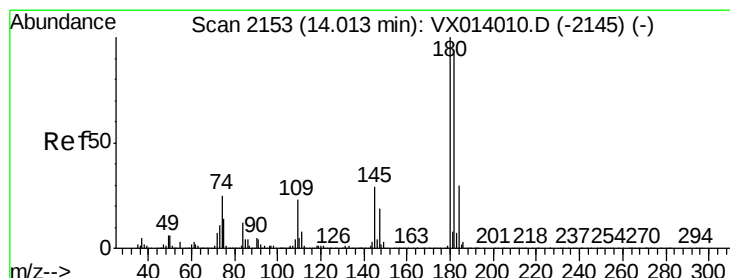
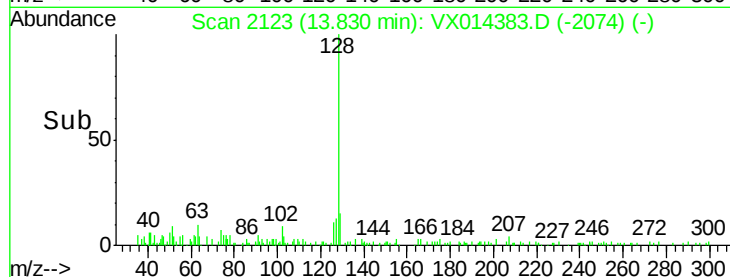
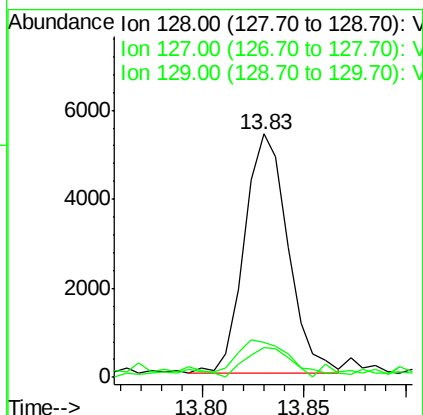
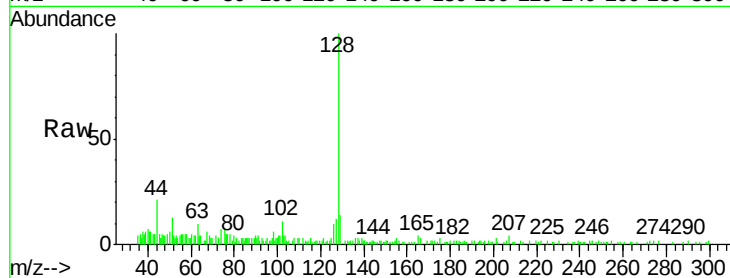




#95
Naphthalene
Concen: 0.354 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014383.D
Acq: 31 Dec 2019 16:27

Instrument :
MSVOA_X
ClientSampleId :
PB125804TB

Tgt Ion:128 Resp: 7931
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 23.9 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.420 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014383.D
Acq: 31 Dec 2019 16:27

Tgt Ion:180 Resp: 3164
Ion Ratio Lower Upper
180 100
182 103.9 46.8 140.3
145 34.7 14.8 44.4

