

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX021519\
 Data File : VX007547.D
 Acq On : 14 Feb 2019 15:55
 Operator : JC/SP
 Sample : K1461-09DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TEST-PIT-4DL

Quant Time: Feb 14 16:16:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	454476	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	721973	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	687079	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	339455	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	254484	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
35) Dibromofluoromethane	5.51	113	236566	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
50) Toluene-d8	8.71	98	865288	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
62) 4-Bromofluorobenzene	11.13	95	314504	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	

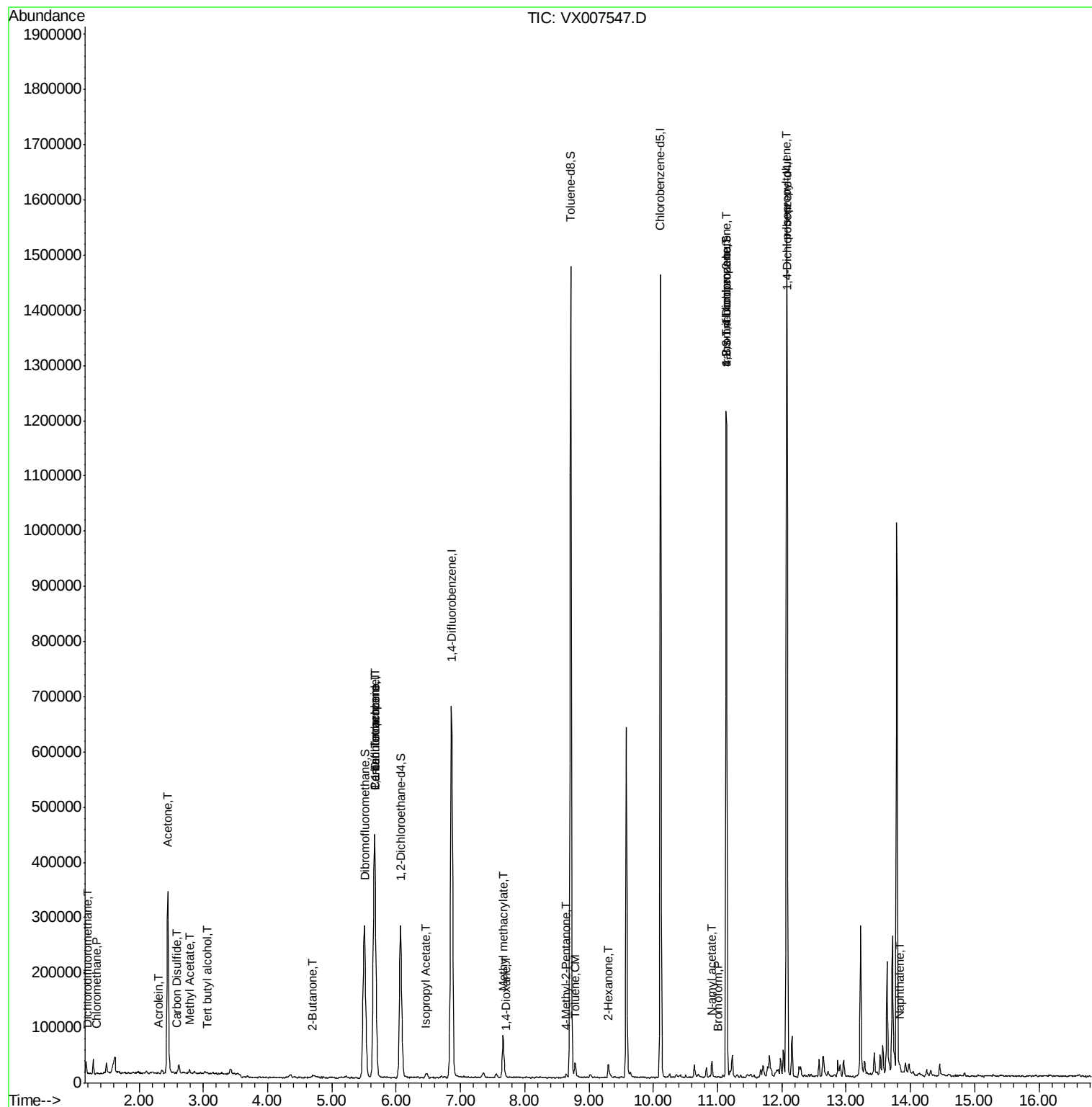
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	314	0.233	ug/l #	32
3) Chloromethane	1.33	50	1526	0.298	ug/l	99
5) Bromomethane	1.65	94	519	Below Cal	#	50
11) Tert butyl alcohol	3.07	59	1030	1.032	ug/l #	75
13) Acrolein	2.30	56	1807	3.860	ug/l	93
16) Acetone	2.45	43	348729	157.818	ug/l	99
17) Carbon Disulfide	2.57	76	1434	2.242	ug/l #	89
18) Methyl Acetate	2.78	43	6083	1.637	ug/l	92
25) 2-Butanone	4.70	43	7101	2.258	ug/l #	85
36) 1,1-Dichloropropene	5.66	75	29974	4.627	ug/l #	50
38) Carbon Tetrachloride	5.66	117	41399	6.587	ug/l #	16
43) Isopropyl Acetate	6.47	43	3373	0.334	ug/l #	73
48) Methyl methacrylate	7.66	41	20915	4.137	ug/l #	39
49) 1,4-Dioxane	7.71	88	105	7.786	ug/l #	25
51) 4-Methyl-2-Pentanone	8.65	43	3918	0.589	ug/l	96
52) Toluene	8.78	92	9324	0.757	ug/l	98
59) 2-Hexanone	9.30	43	2702	0.522	ug/l	70
71) Bromoform	11.02	173	113	4.053	ug/l #	29
74) N-amyl acetate	10.91	43	3876	0.434	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	151643	22.966	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	151643	69.212	ug/l #	9
86) p-Isopropyltoluene	12.07	119	18127	0.888	ug/l	97
95) Naphthalene	13.83	128	5193	0.227	ug/l #	94

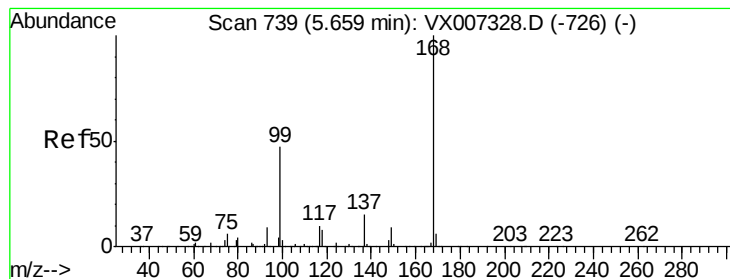
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX021519\
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ClientSampleId :
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Quant Time: Feb 14 16:16:22 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007547.D

Acq: 14 Feb 2019 15:55

Instrument :

MSVOA_X

ClientSampleId :

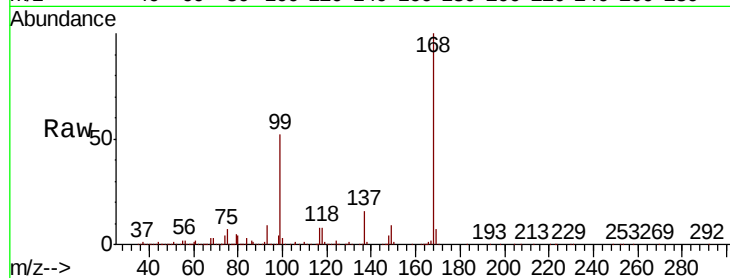
TEST-PIT-4DL

Tgt Ion:168 Resp: 454476

Ion Ratio Lower Upper

168 100

99 51.7 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

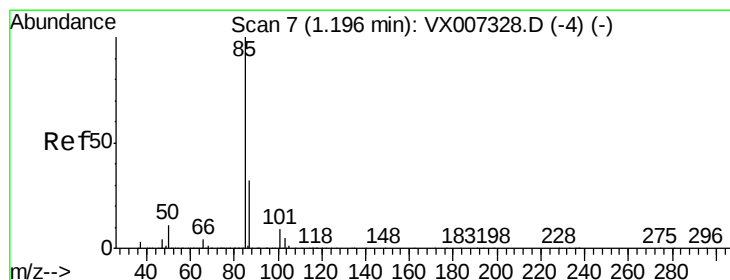
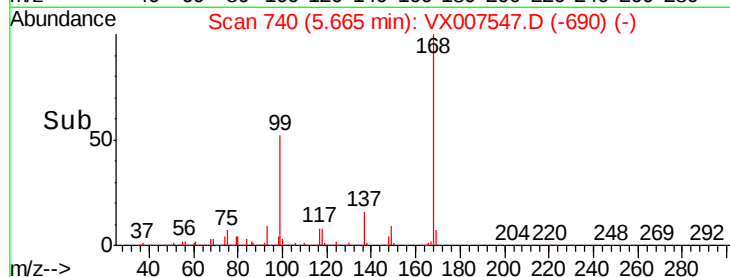
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.233 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007547.D

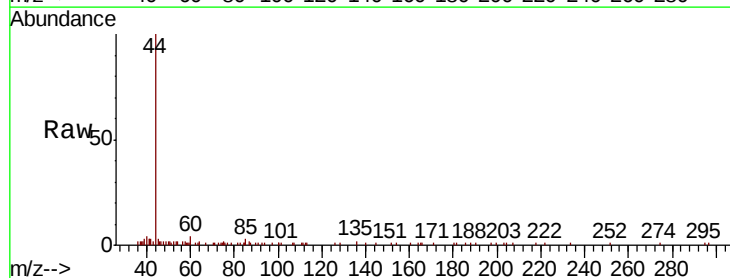
Acq: 14 Feb 2019 15:55

Tgt Ion: 85 Resp: 314

Ion Ratio Lower Upper

85 100

87 69.5 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

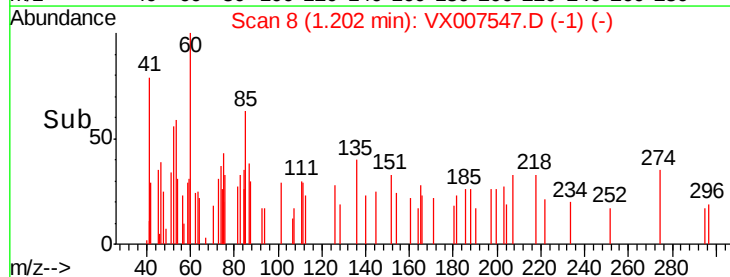
300

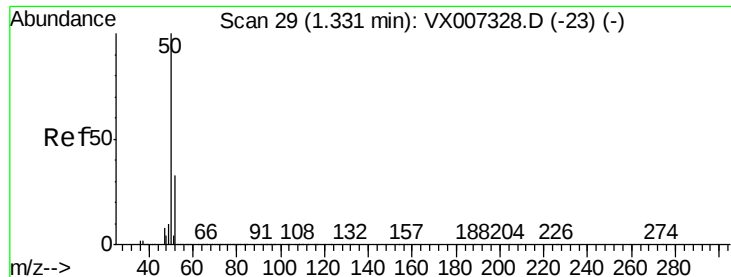
200

100

0

Time--> 1.16 1.18 1.20 1.22





#3

Chloromethane

Concen: 0.298 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007547.D

Acq: 14 Feb 2019 15:55

Instrument :

MSVOA_X

ClientSampleId :

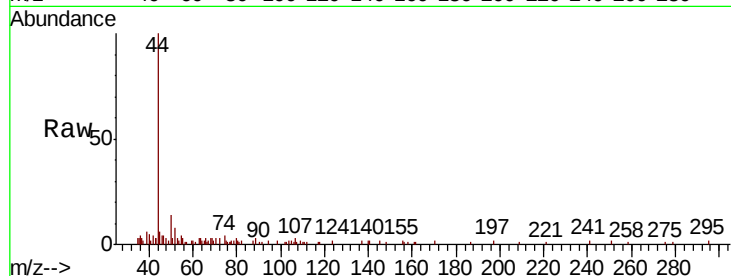
TEST-PIT-4DL

Tgt Ion: 50 Resp: 1526

Ion Ratio Lower Upper

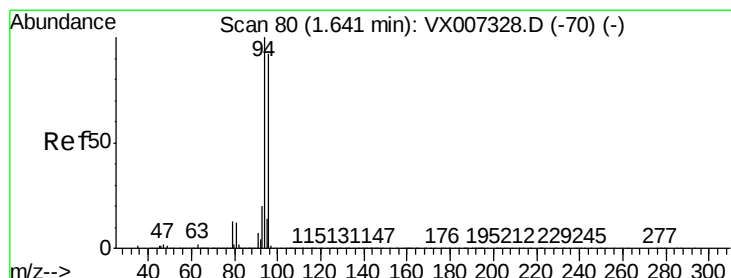
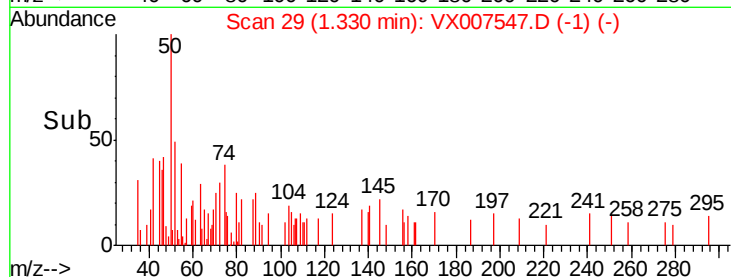
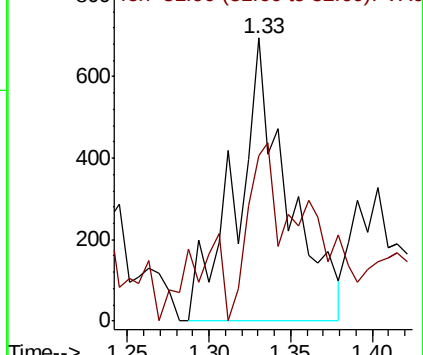
50 100

52 33.1 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007547.D

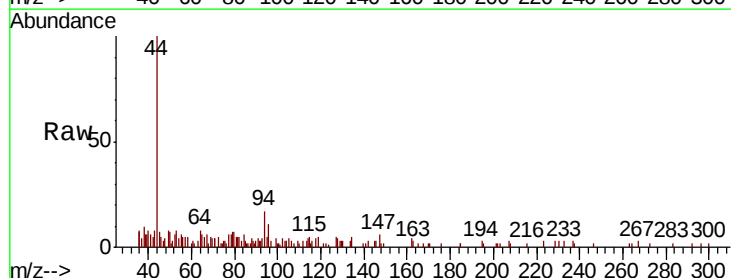
Acq: 14 Feb 2019 15:55

Tgt Ion: 94 Resp: 519

Ion Ratio Lower Upper

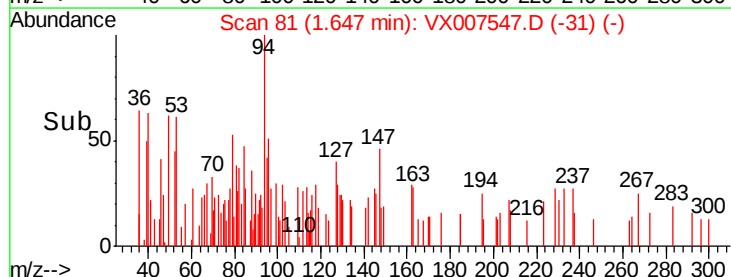
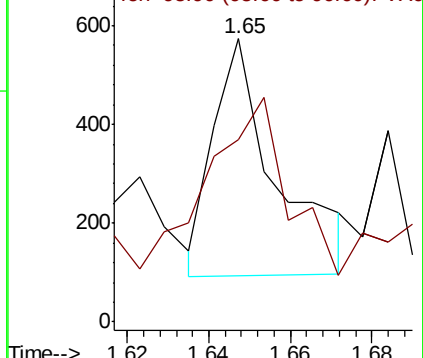
94 100

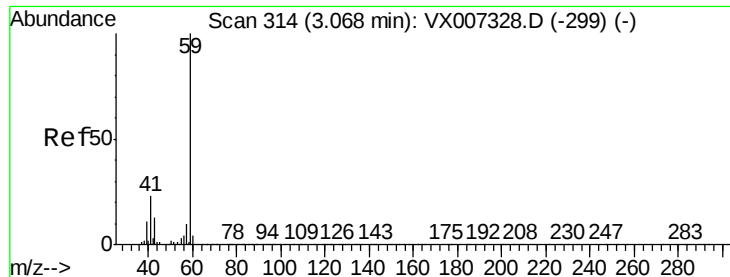
96 44.9 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

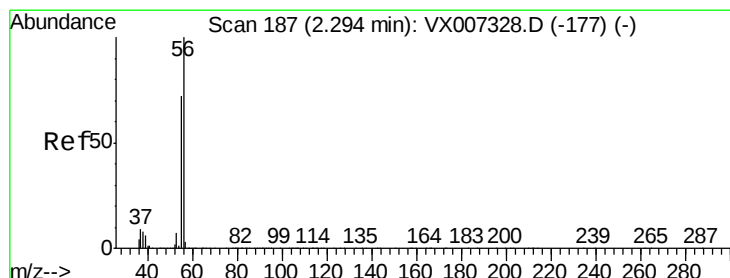
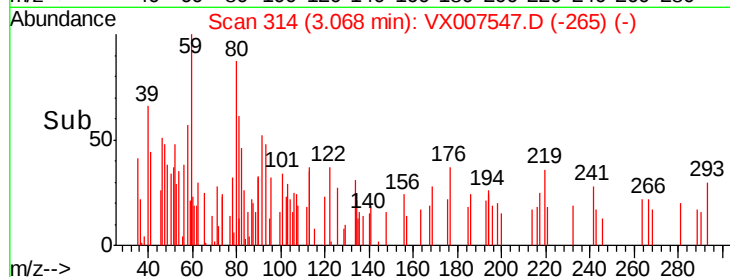
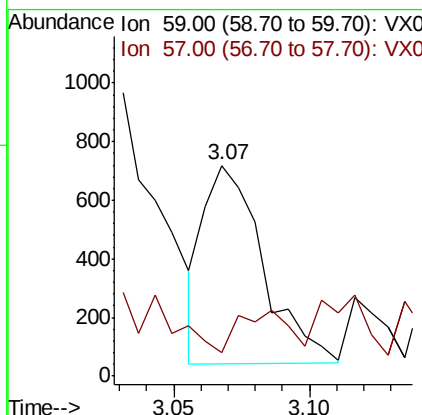
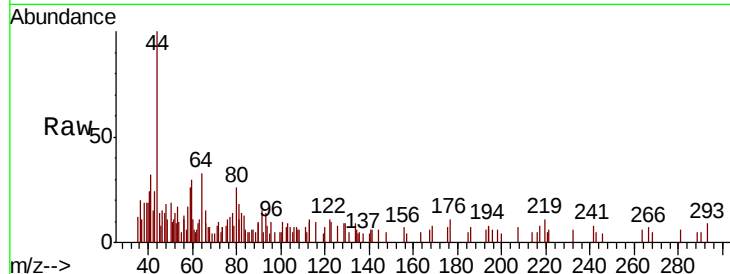




#11
Tert butyl alcohol
Concen: 1.032 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.00 min
Lab File: VX007547.D
Acq: 14 Feb 2019 15:55

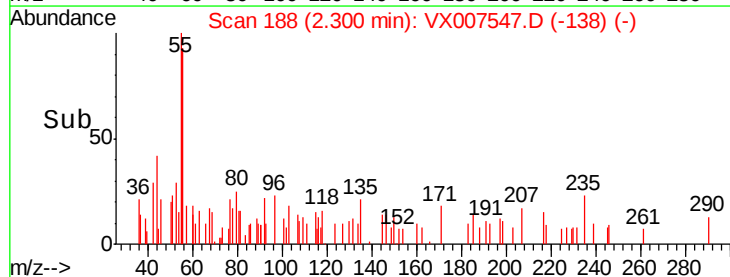
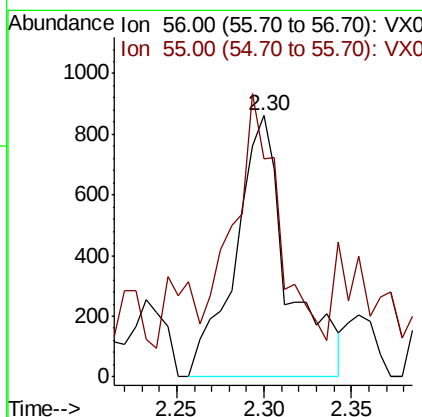
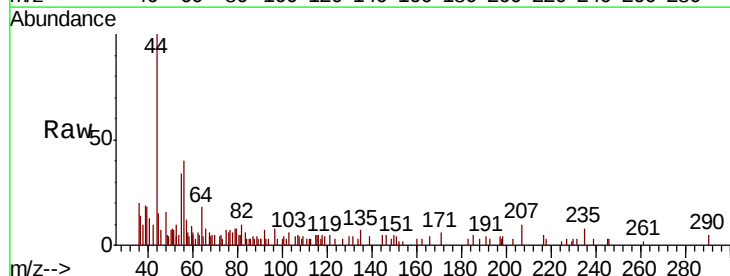
Instrument :
MSVOA_X
ClientSampled :
TEST-PIT-4DL

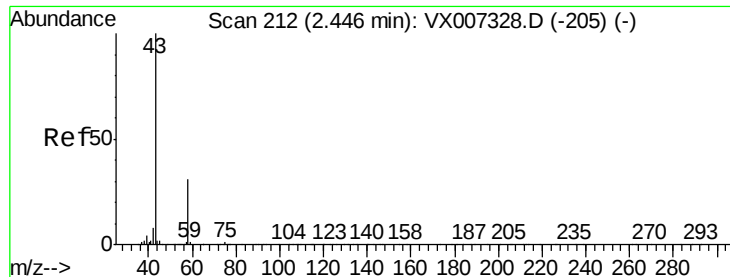
Tgt Ion: 59 Resp: 1030
Ion Ratio Lower Upper
59 100
57 19.3 8.1 12.1#



#13
Acrolein
Concen: 3.860 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX007547.D
Acq: 14 Feb 2019 15:55

Tgt Ion: 56 Resp: 1807
Ion Ratio Lower Upper
56 100
55 77.2 56.9 85.3

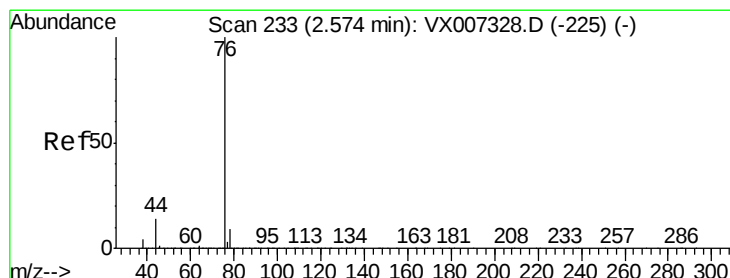
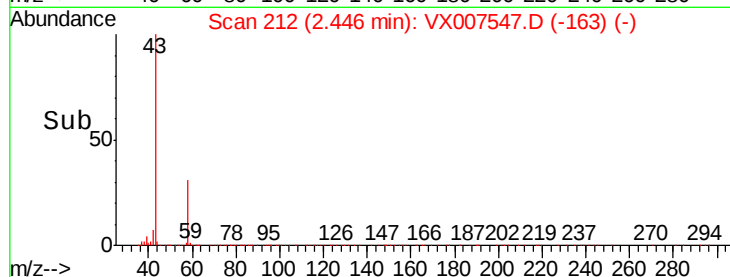
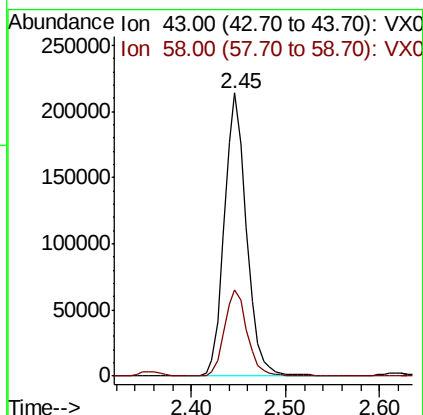
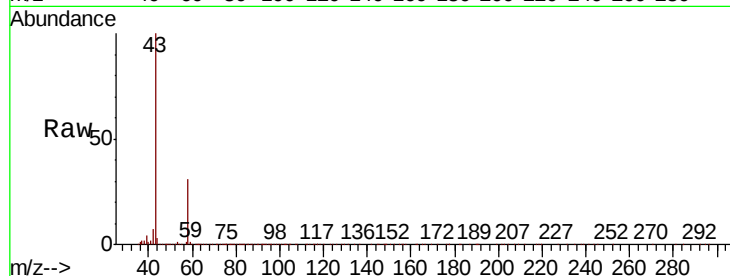




#16
Acetone
Concen: 157.818 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX007547.D
Acq: 14 Feb 2019 15:55

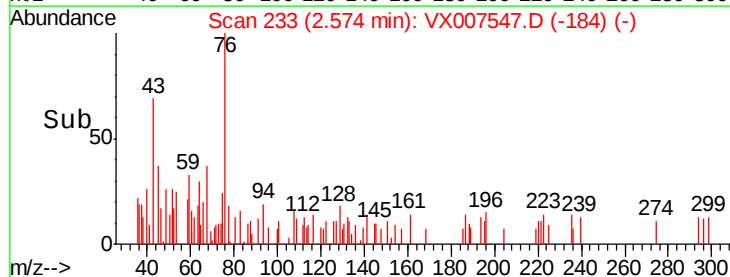
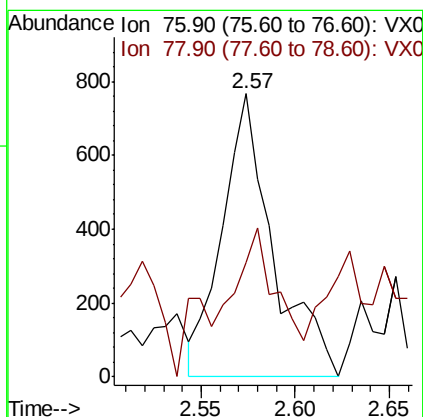
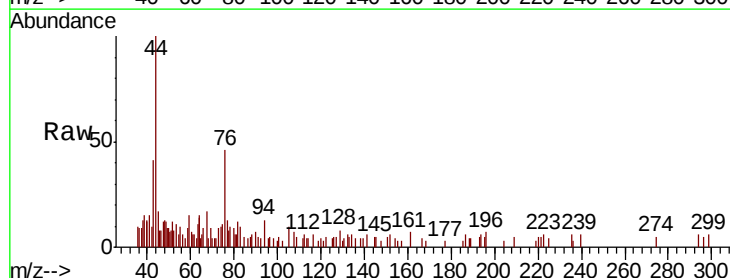
Instrument :
MSVOA_X
ClientSampleId :
TEST-PIT-4DL

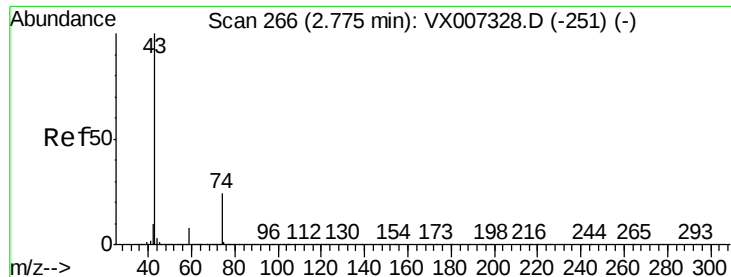
Tgt Ion: 43 Resp: 348729
Ion Ratio Lower Upper
43 100
58 30.4 24.9 37.3



#17
Carbon Disulfide
Concen: 2.242 ug/l
RT: 2.57 min Scan# 233
Delta R.T. -0.00 min
Lab File: VX007547.D
Acq: 14 Feb 2019 15:55

Tgt Ion: 76 Resp: 1434
Ion Ratio Lower Upper
76 100
78 12.8 7.1 10.7#

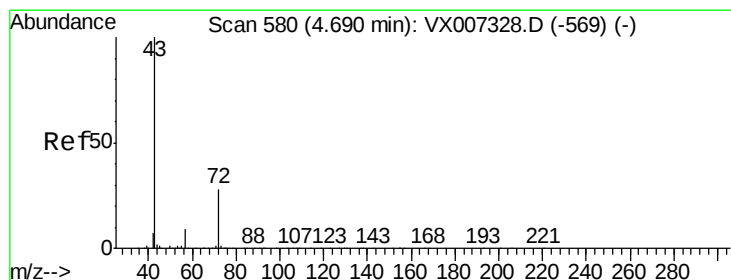
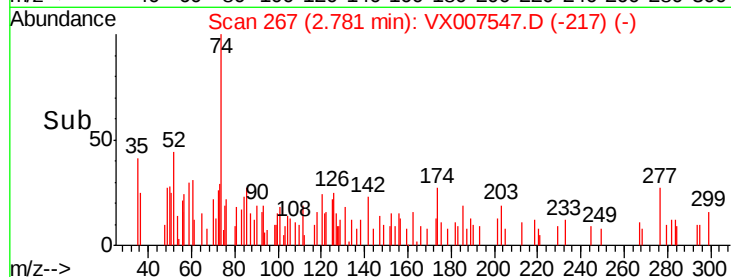
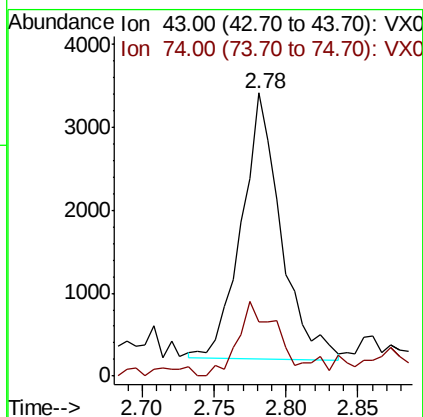
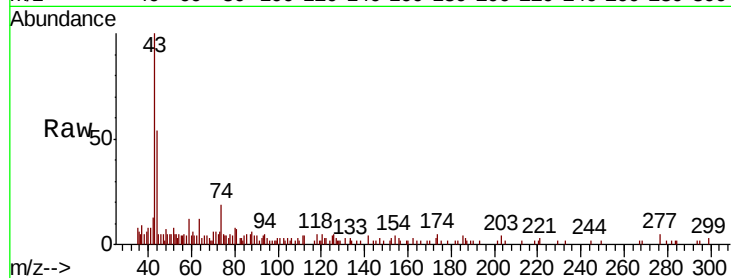




#18
Methyl Acetate
Concen: 1.637 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX007547.D
Acq: 14 Feb 2019 15:55

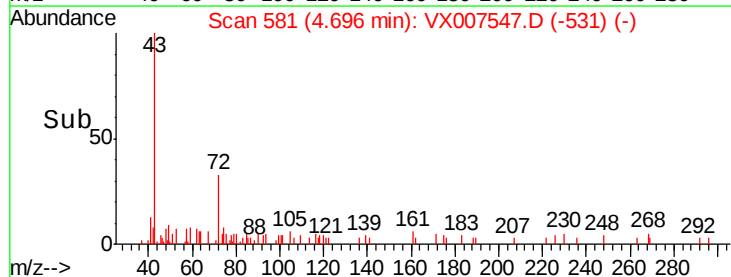
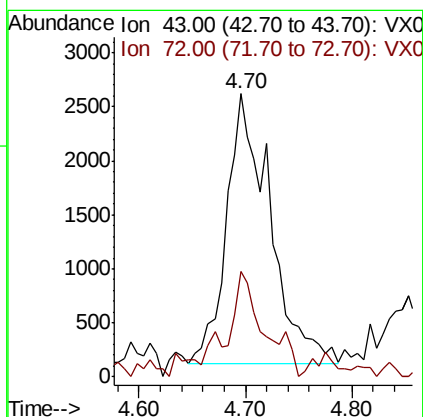
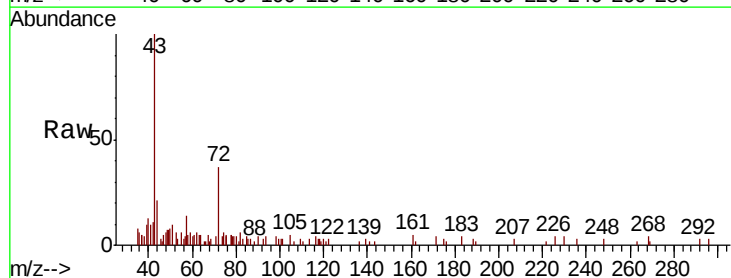
Instrument :
MSVOA_X
ClientSampleId :
TEST-PIT-4DL

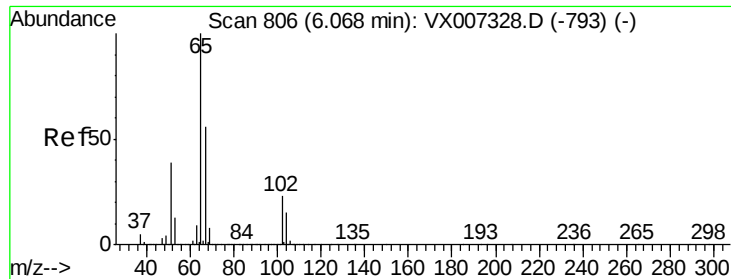
Tgt Ion: 43 Resp: 6083
Ion Ratio Lower Upper
43 100
74 28.3 19.4 29.2



#25
2-Butanone
Concen: 2.258 ug/l
RT: 4.70 min Scan# 581
Delta R.T. 0.01 min
Lab File: VX007547.D
Acq: 14 Feb 2019 15:55

Tgt Ion: 43 Resp: 7101
Ion Ratio Lower Upper
43 100
72 35.7 22.2 33.2#

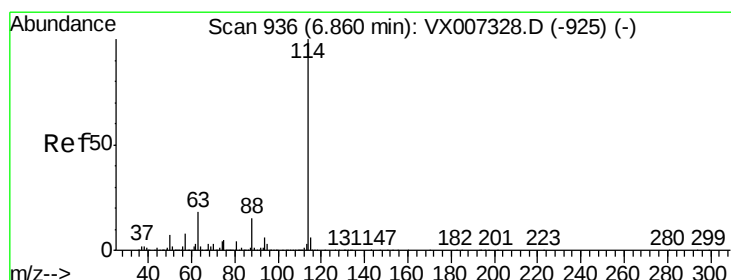
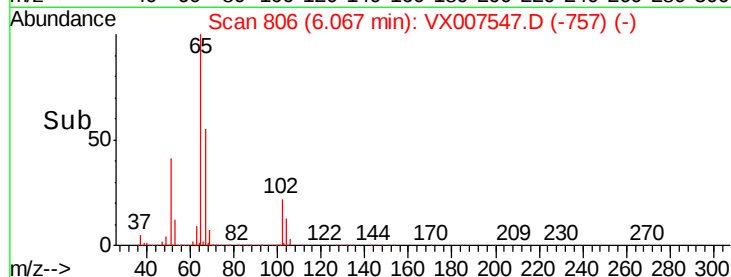
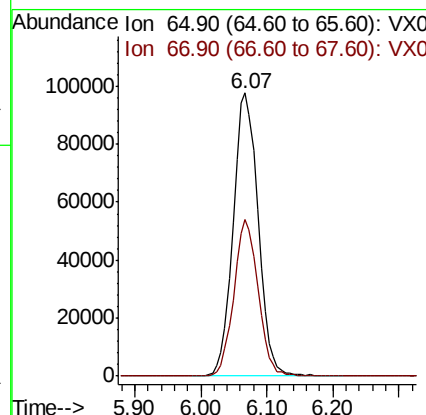
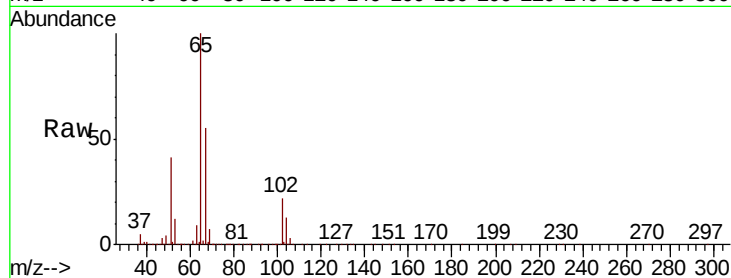




#33
 1,2-Dichloroethane-d4
 Concen: 52.755 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007547.D
 Acq: 14 Feb 2019 15:55

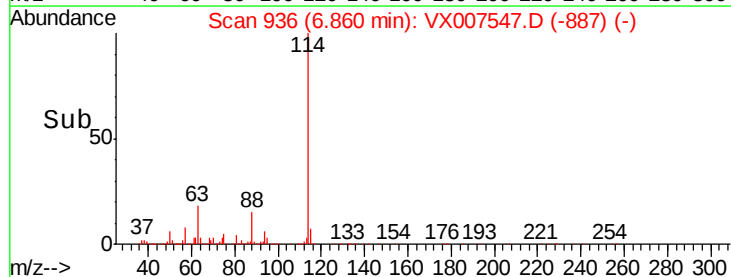
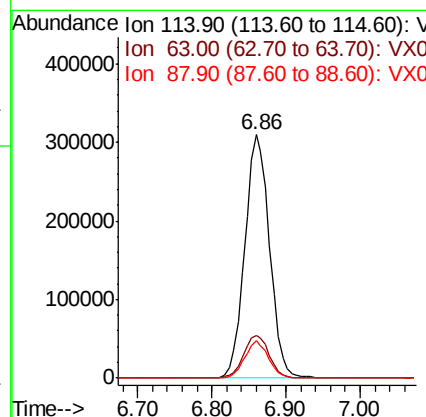
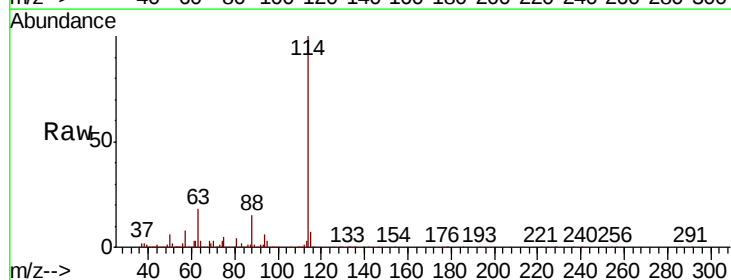
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 TEST-PIT-4DL

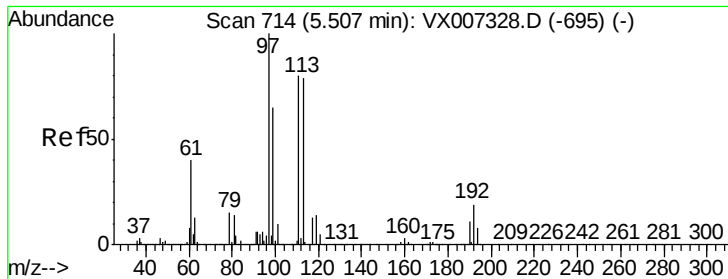
Tgt Ion: 65 Resp: 254484
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007547.D
 Acq: 14 Feb 2019 15:55

Tgt Ion: 114 Resp: 721973
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 35.6
 88 15.2 0.0 29.6





#35

Dibromofluoromethane

Concen: 50.359 ug/l

RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX007547.D

Acq: 14 Feb 2019 15:55

Instrument :

MSVOA_X

ClientSampleId :

TEST-PIT-4DL

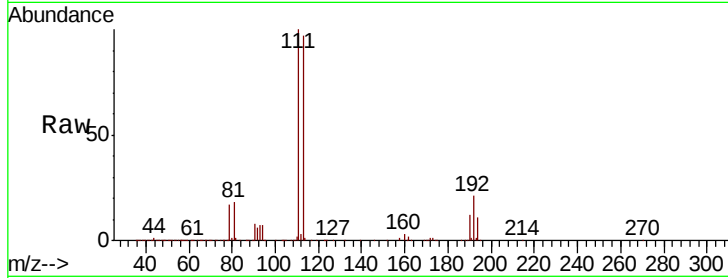
Tgt Ion:113 Resp: 236566

Ion Ratio Lower Upper

113 100

111 101.2 81.8 122.8

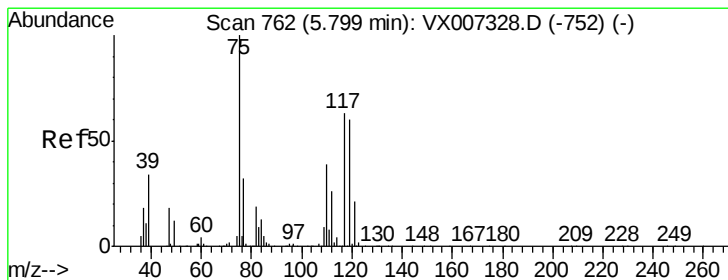
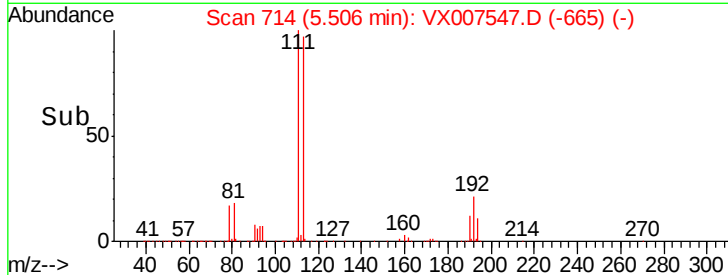
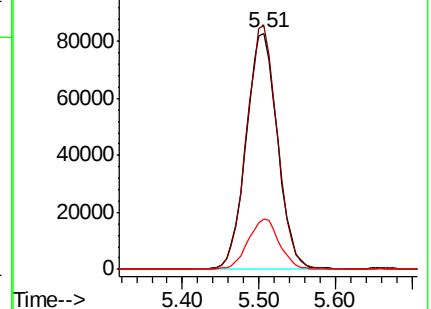
192 21.4 18.5 27.7



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: 4.627 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007547.D

Acq: 14 Feb 2019 15:55

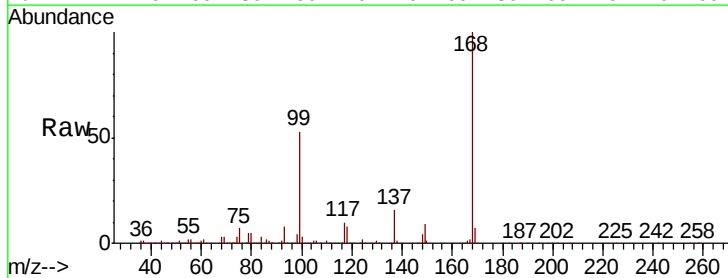
Tgt Ion: 75 Resp: 29974

Ion Ratio Lower Upper

75 100

110 11.1 20.0 59.9#

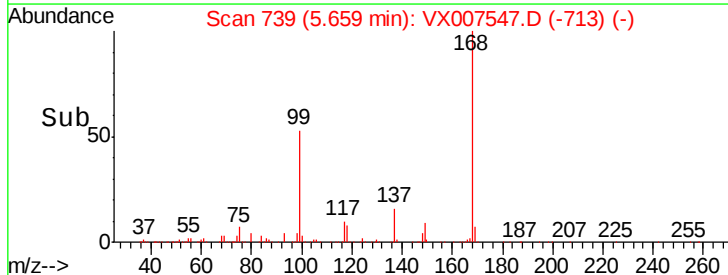
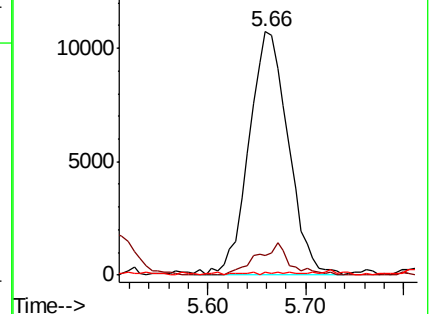
77 0.5 24.7 37.1#

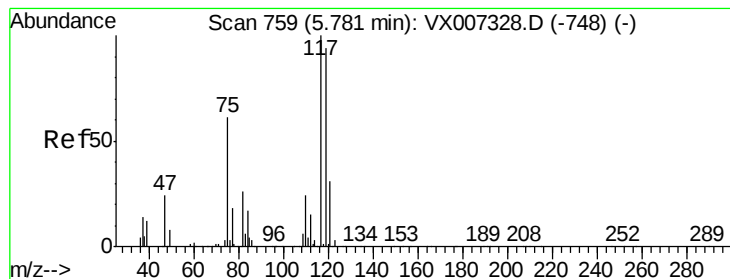


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.587 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007547.D

Acq: 14 Feb 2019 15:55

Instrument :

MSVOA_X

ClientSampleId :

TEST-PIT-4DL

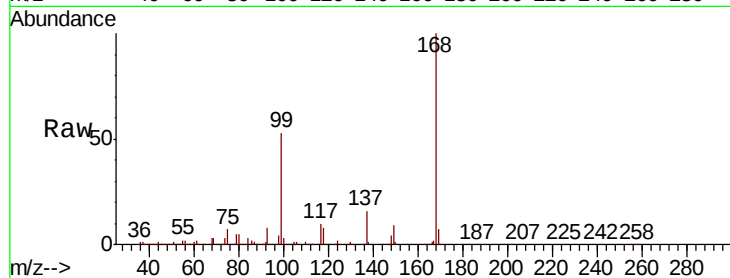
Tgt Ion:117 Resp: 41399

Ion Ratio Lower Upper

117 100

119 4.1 75.3 112.9#

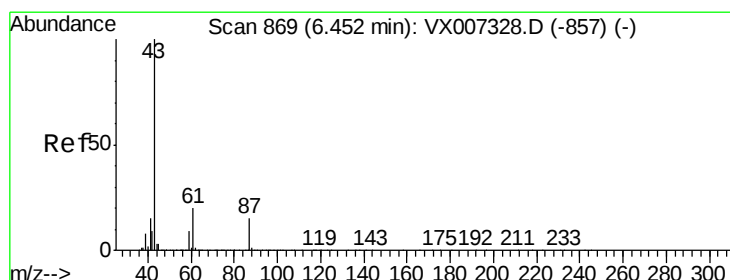
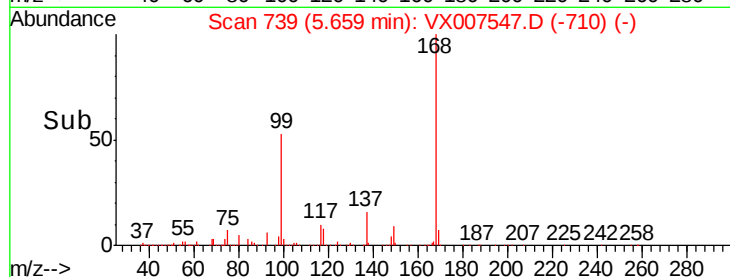
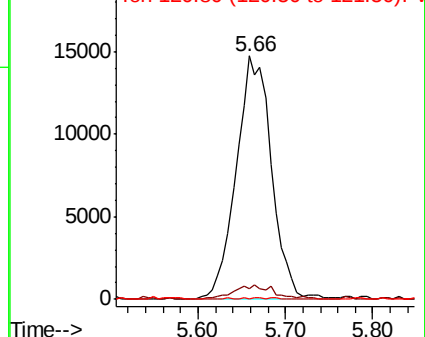
121 0.4 25.0 37.4#



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: 0.334 ug/l

RT: 6.47 min Scan# 872

Delta R.T. 0.02 min

Lab File: VX007547.D

Acq: 14 Feb 2019 15:55

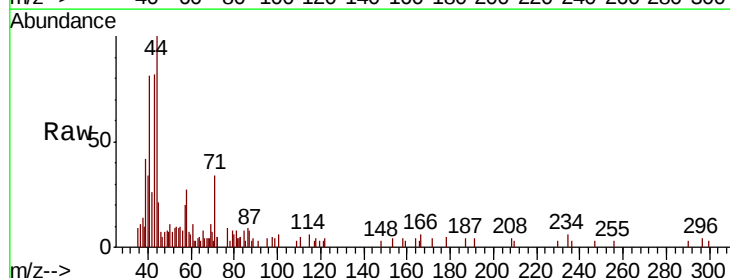
Tgt Ion: 43 Resp: 3373

Ion Ratio Lower Upper

43 100

61 6.9 16.1 24.1#

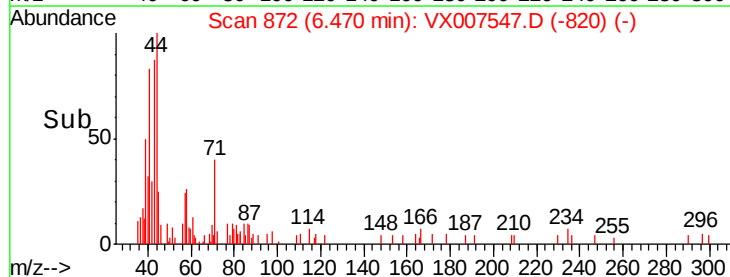
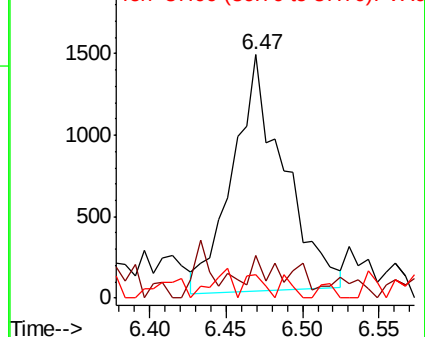
87 3.9 11.5 17.3#

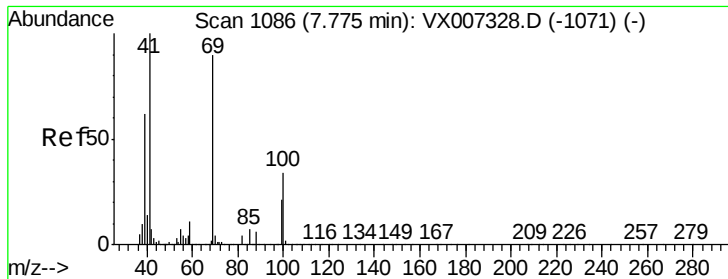


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

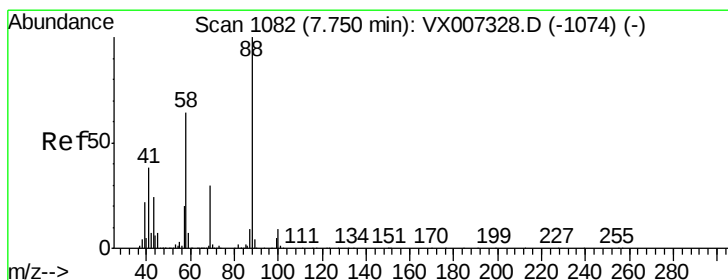
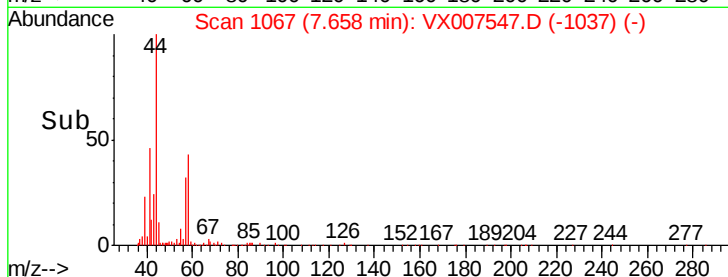
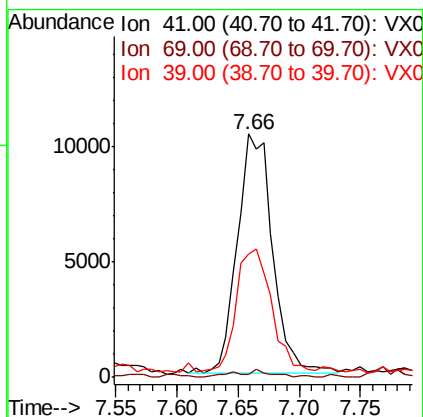
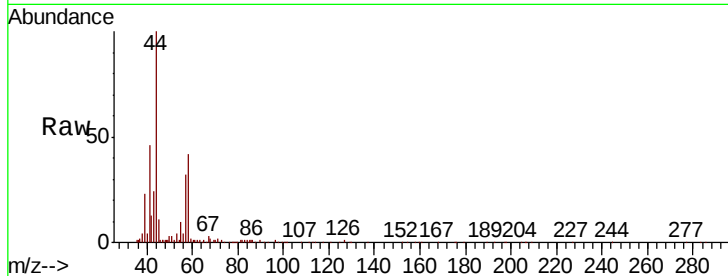




#48
Methyl methacrylate
Concen: 4.137 ug/l
RT: 7.66 min Scan# 1067
Delta R.T. -0.12 min
Lab File: VX007547.D
Acq: 14 Feb 2019 15:55

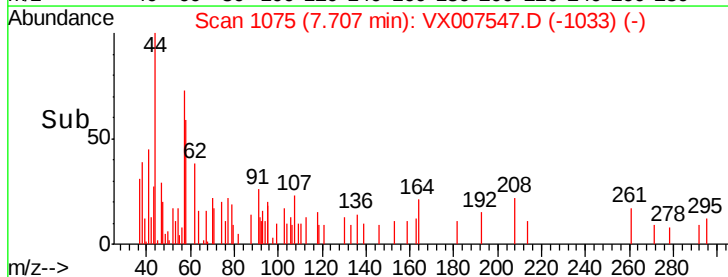
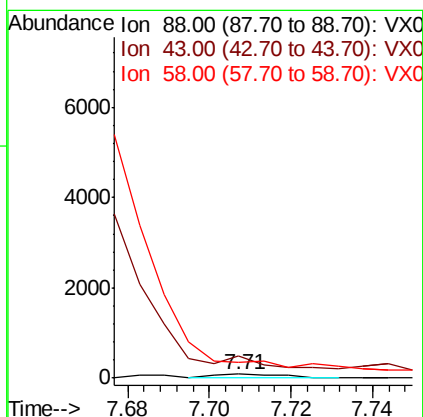
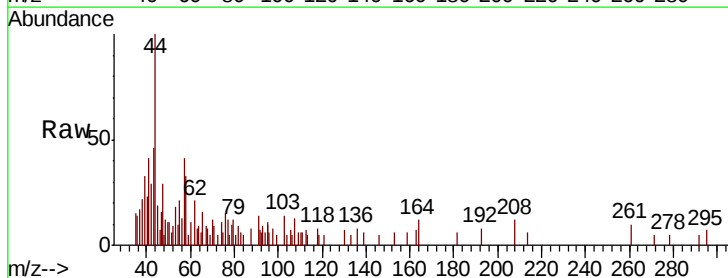
Instrument :
MSVOA_X
ClientSampled :
TEST-PIT-4DL

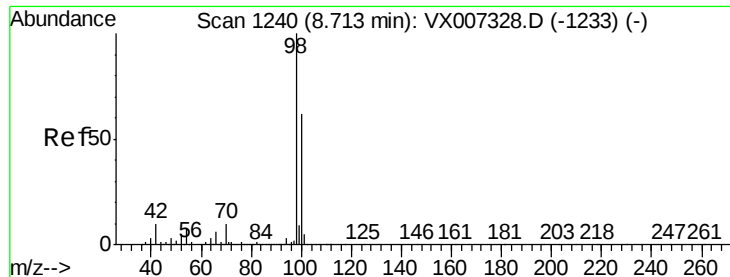
Tgt Ion: 41 Resp: 20915
Ion Ratio Lower Upper
41 100
69 1.6 70.2 105.4#
39 49.7 47.4 71.0



#49
1,4-Dioxane
Concen: 7.786 ug/l
RT: 7.71 min Scan# 1075
Delta R.T. -0.04 min
Lab File: VX007547.D
Acq: 14 Feb 2019 15:55

Tgt Ion: 88 Resp: 105
Ion Ratio Lower Upper
88 100
43 0.0 24.2 36.4#
58 0.0 53.0 79.4#





#50

Toluene-d8

Concen: 49.646 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007547.D

Acq: 14 Feb 2019 15:55

Instrument :

MSVOA_X

ClientSampleId :

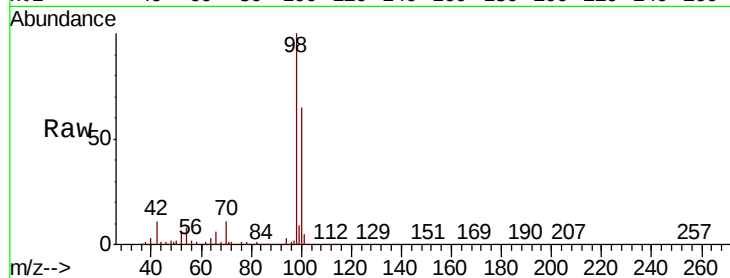
TEST-PIT-4DL

Tgt Ion: 98 Resp: 865288

Ion Ratio Lower Upper

98 100

100 63.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

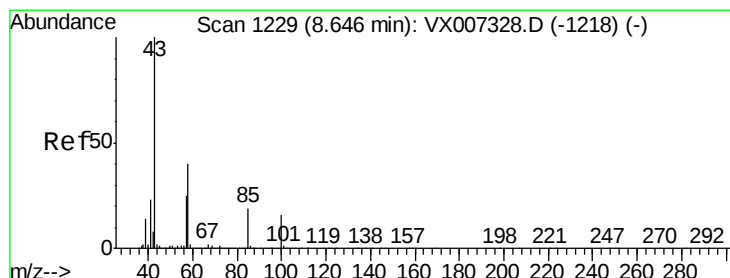
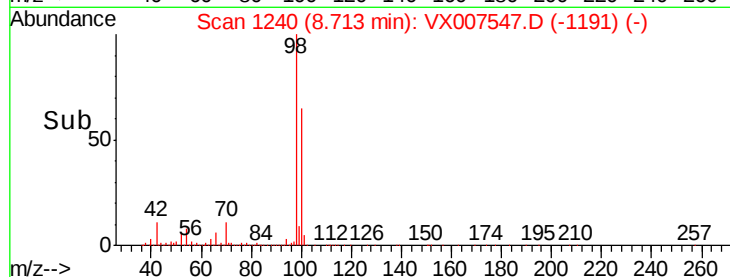
600000

400000

200000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.589 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX007547.D

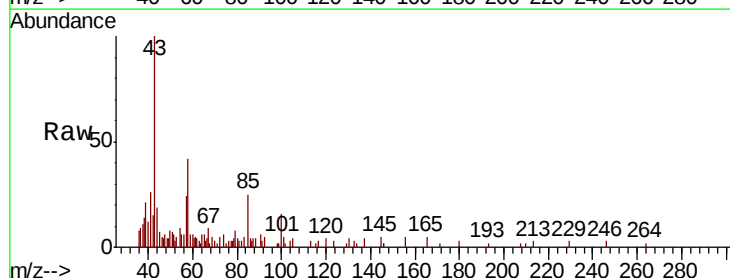
Acq: 14 Feb 2019 15:55

Tgt Ion: 43 Resp: 3918

Ion Ratio Lower Upper

43 100

58 41.4 31.2 46.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

4000

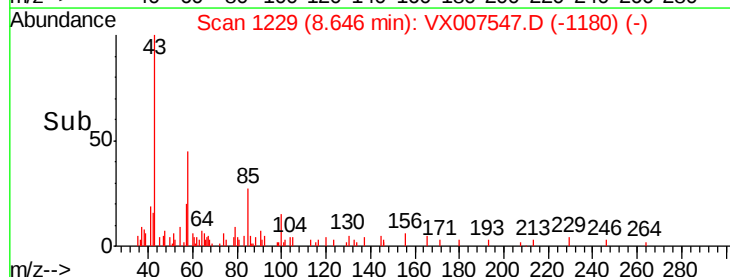
3000

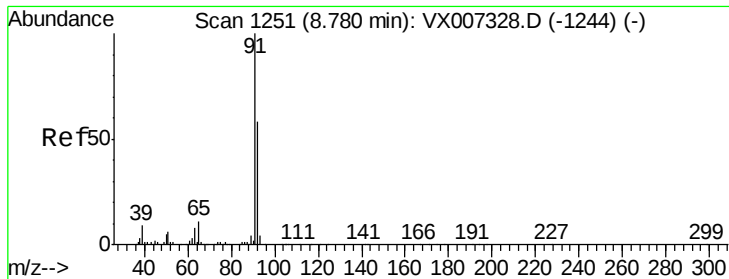
2000

1000

0

Time-->





#52

Toluene

Concen: 0.757 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX007547.D

Acq: 14 Feb 2019 15:55

Instrument :

MSVOA_X

ClientSampleId :

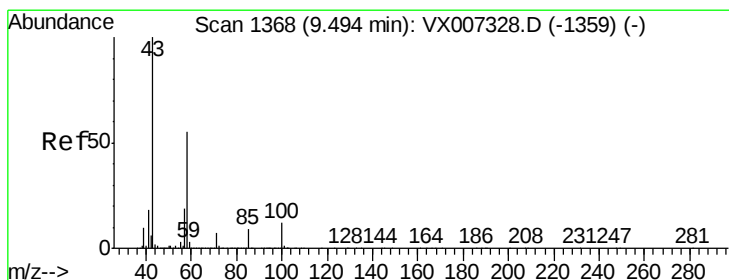
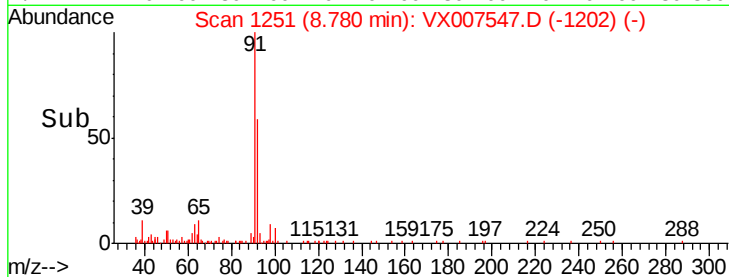
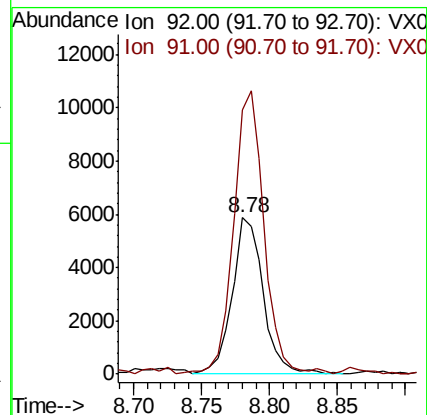
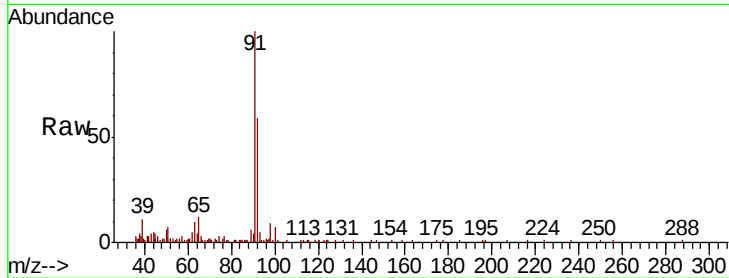
TEST-PIT-4DL

Tgt Ion: 92 Resp: 9324

Ion Ratio Lower Upper

92 100

91 177.3 139.1 208.7



#59

2-Hexanone

Concen: 0.522 ug/l

RT: 9.30 min Scan# 1336

Delta R.T. -0.20 min

Lab File: VX007547.D

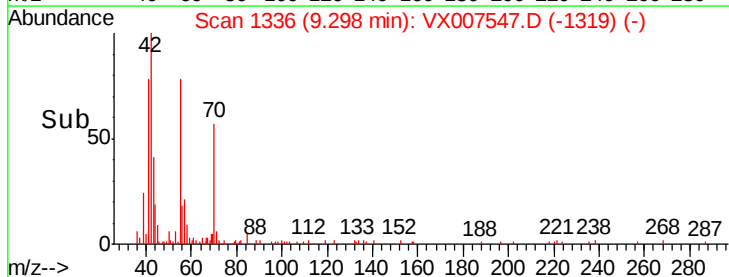
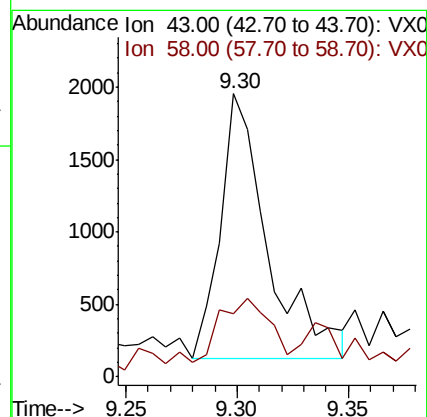
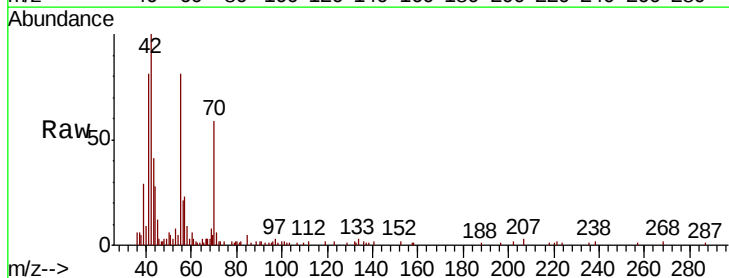
Acq: 14 Feb 2019 15:55

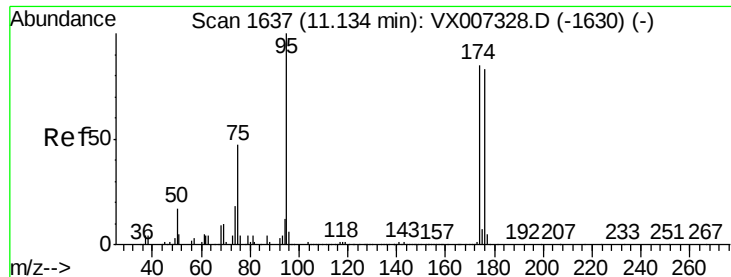
Tgt Ion: 43 Resp: 2702

Ion Ratio Lower Upper

43 100

58 32.7 27.1 81.3

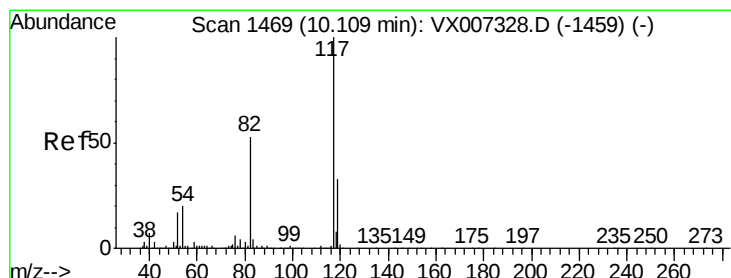
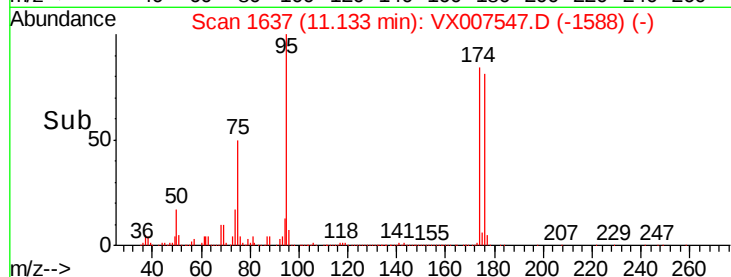
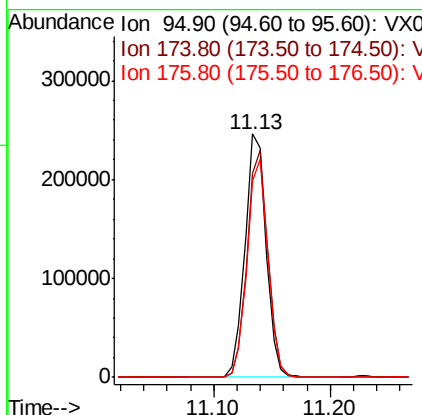
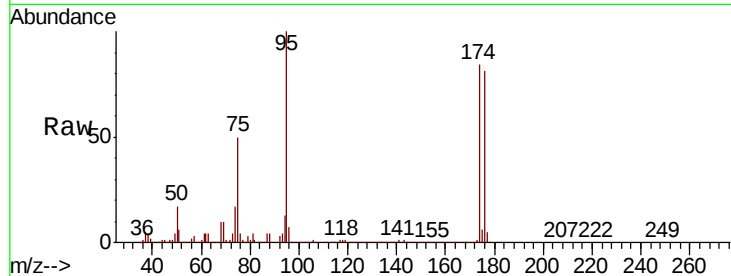




#62
4-Bromofluorobenzene
Concen: 49.424 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007547.D
Acq: 14 Feb 2019 15:55

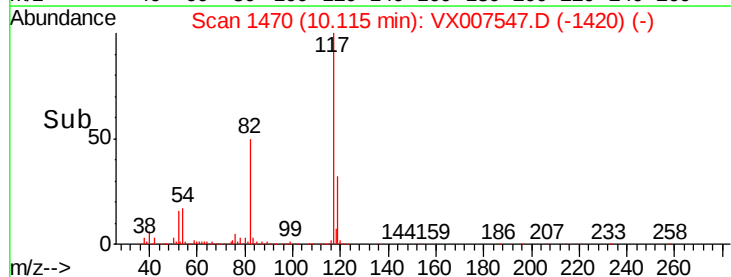
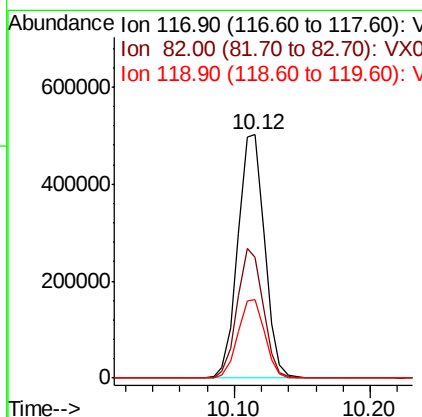
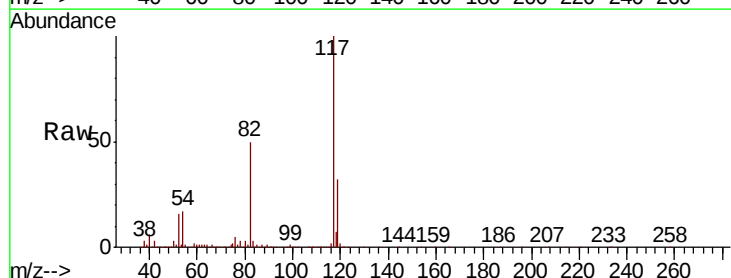
Instrument :
MSVOA_X
ClientSampleId :
TEST-PIT-4DL

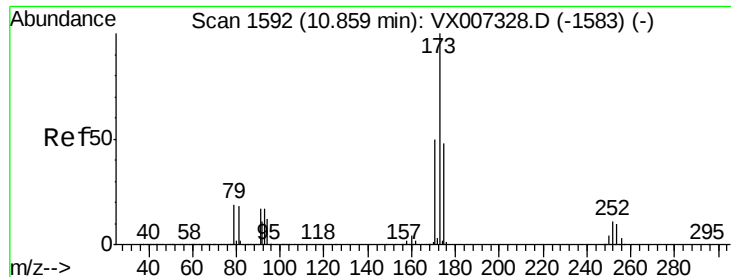
Tgt Ion: 95 Resp: 314504
Ion Ratio Lower Upper
95 100
174 91.7 0.0 189.2
176 88.5 0.0 186.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007547.D
Acq: 14 Feb 2019 15:55

Tgt Ion: 117 Resp: 687079
Ion Ratio Lower Upper
117 100
82 49.5 42.1 63.1
119 32.1 26.5 39.7





#71

Bromoform

Concen: 4.053 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.16 min

Lab File: VX007547.D

Acq: 14 Feb 2019 15:55

Instrument :

MSVOA_X

ClientSampleId :

TEST-PIT-4DL

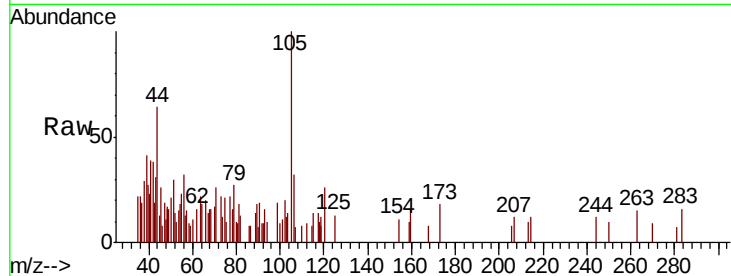
Tgt Ion:173 Resp: 113

Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

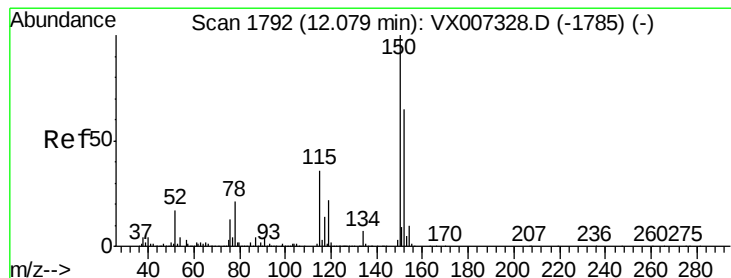
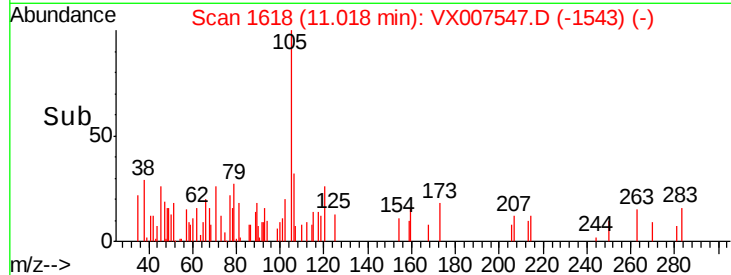
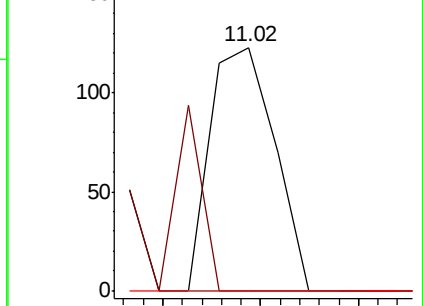
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007547.D

Acq: 14 Feb 2019 15:55

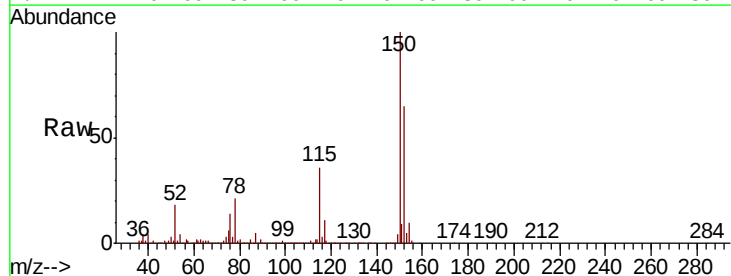
Tgt Ion:152 Resp: 339455

Ion Ratio Lower Upper

152 100

115 55.6 38.0 114.0

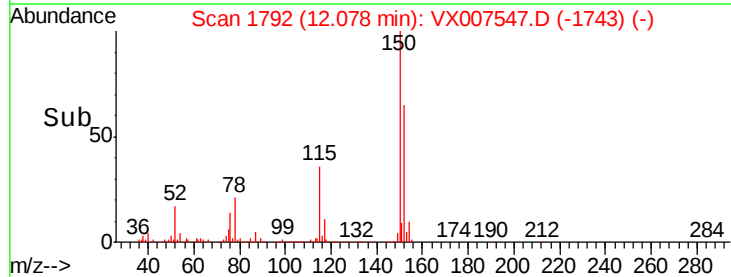
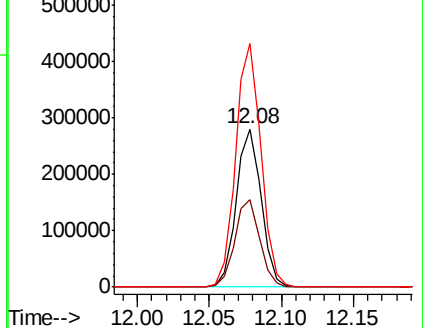
150 155.7 0.0 346.4

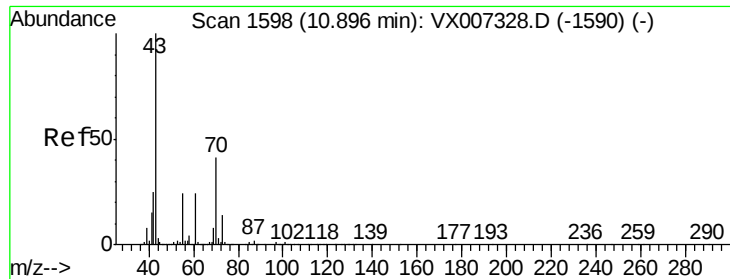


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amyI acetate

Concen: 0.434 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX007547.D

Acq: 14 Feb 2019 15:55

Instrument :

MSVOA_X

ClientSampleId :

TEST-PIT-4DL

Tgt Ion: 43 Resp: 3876

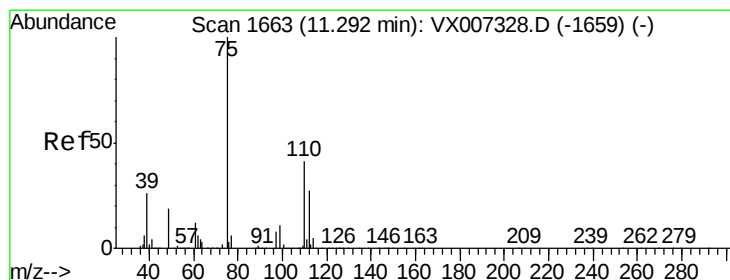
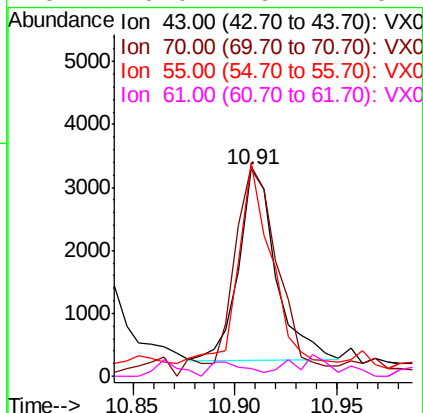
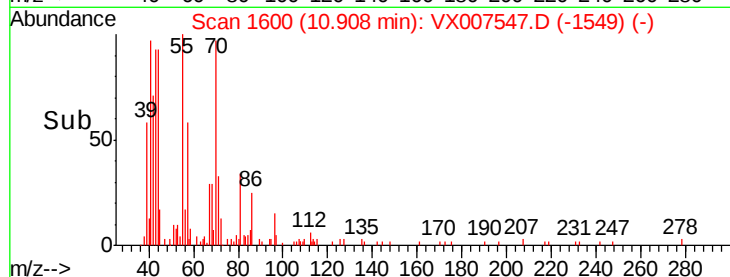
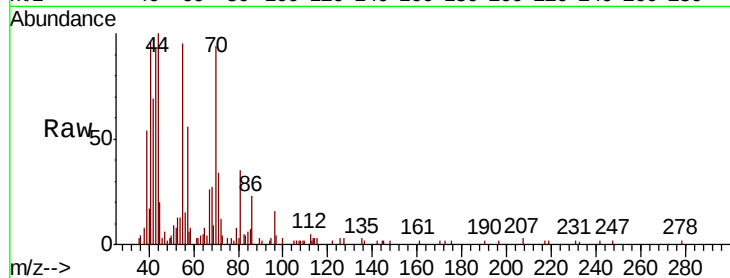
Ion Ratio Lower Upper

43 100

70 131.9 33.8 50.6#

55 101.1 19.5 29.3#

61 0.0 19.4 29.2#



#76

1,2,3-Trichloropropane

Concen: 22.966 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007547.D

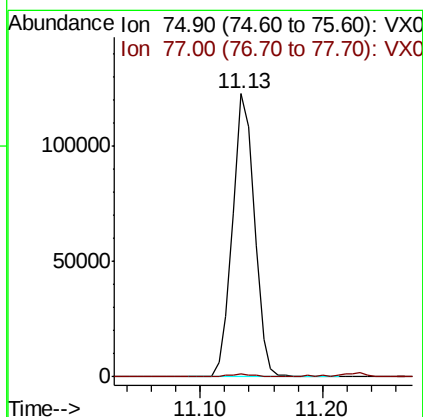
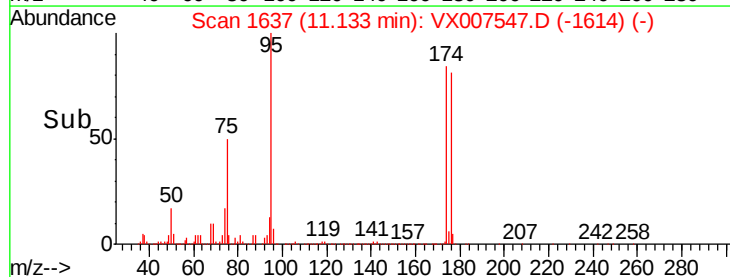
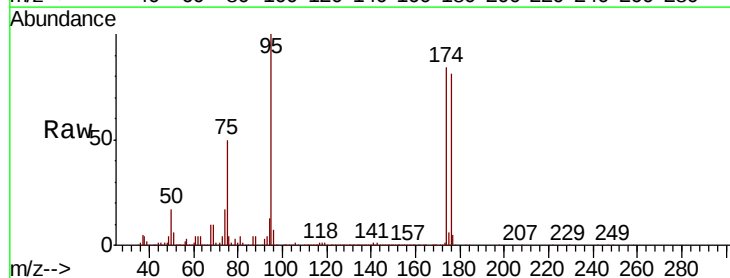
Acq: 14 Feb 2019 15:55

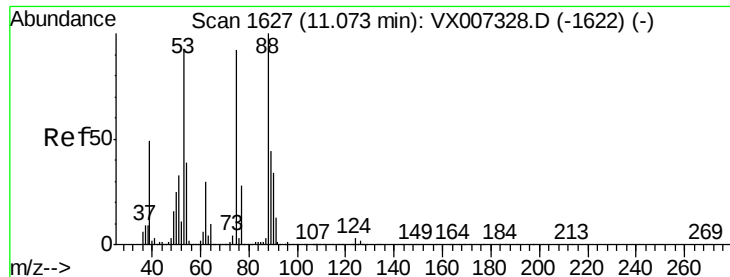
Tgt Ion: 75 Resp: 151643

Ion Ratio Lower Upper

75 100

77 1.3 23.0 69.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 69.212 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007547.D

Acq: 14 Feb 2019 15:55

Instrument :

MSVOA_X

ClientSampleId :

TEST-PIT-4DL

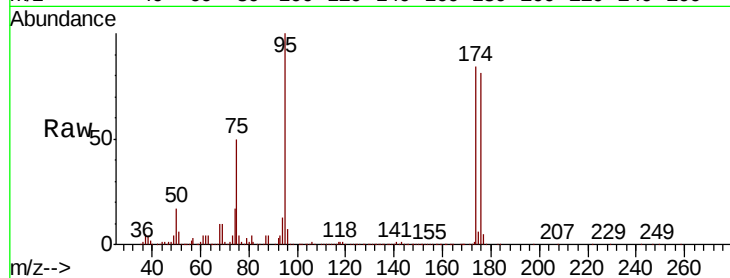
Tgt Ion: 75 Resp: 151643

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

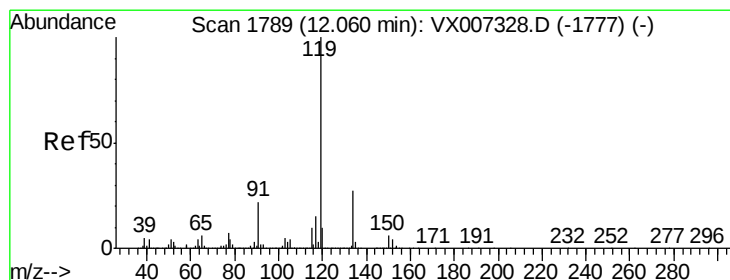
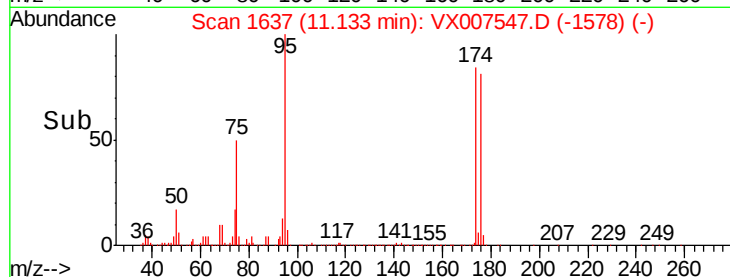
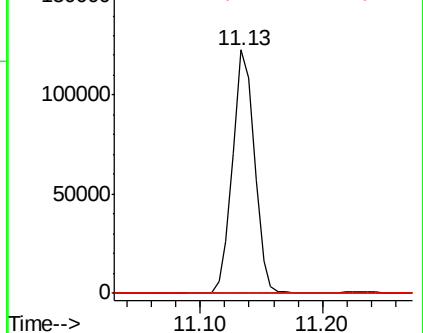
89 0.1 41.4 62.0#



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



#86

p-Isopropyltoluene

Concen: 0.888 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX007547.D

Acq: 14 Feb 2019 15:55

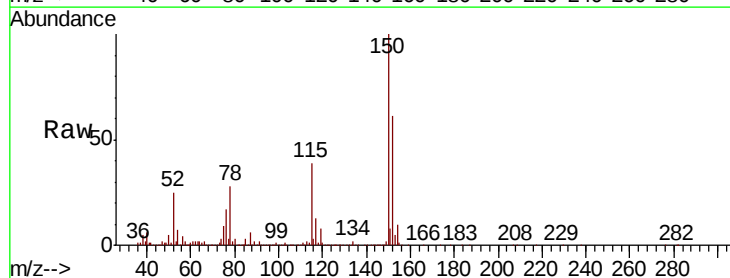
Tgt Ion: 119 Resp: 18127

Ion Ratio Lower Upper

119 100

134 28.5 13.7 41.1

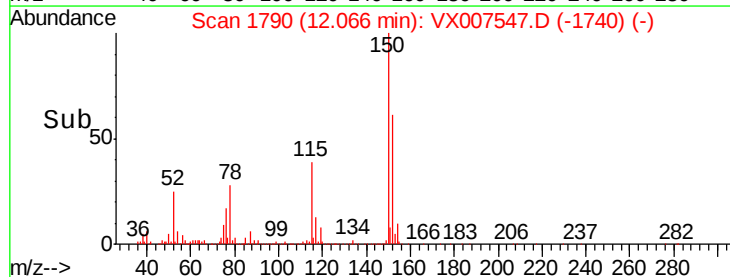
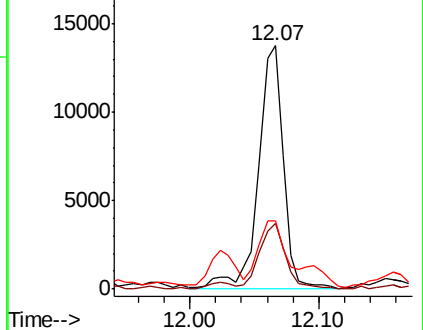
91 24.5 11.2 33.5

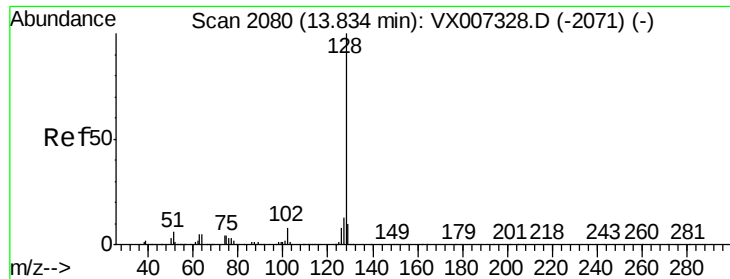


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

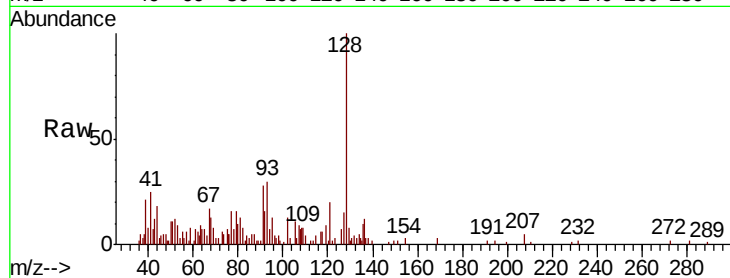




#95
Naphthalene
Concen: 0.227 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX007547.D
Acq: 14 Feb 2019 15:55

Instrument :
MSVOA_X
ClientSampleId :
TEST-PIT-4DL

Tgt Ion	Ratio	Lower	Upper
128	100		
127	16.4	10.5	15.7#
129	11.9	8.7	13.1



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

