

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062118\
 Data File : VX002800.D
 Acq On : 21 Jun 2018 20:29
 Operator : JC/MD
 Sample : J3603-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 26KV-TP-9

Quant Time: Jun 22 01:13:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	218448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	310217	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	286945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	163592	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	151845	45.74	ug/l	0.00
Spiked Amount			Recovery	=	91.48%	
35) Dibromofluoromethane	5.51	113	119350	48.21	ug/l	0.00
Spiked Amount			Recovery	=	96.42%	
50) Toluene-d8	8.72	98	440701	46.88	ug/l	0.00
Spiked Amount			Recovery	=	93.76%	
62) 4-Bromofluorobenzene	11.14	95	154584	43.40	ug/l	0.00
Spiked Amount			Recovery	=	86.80%	

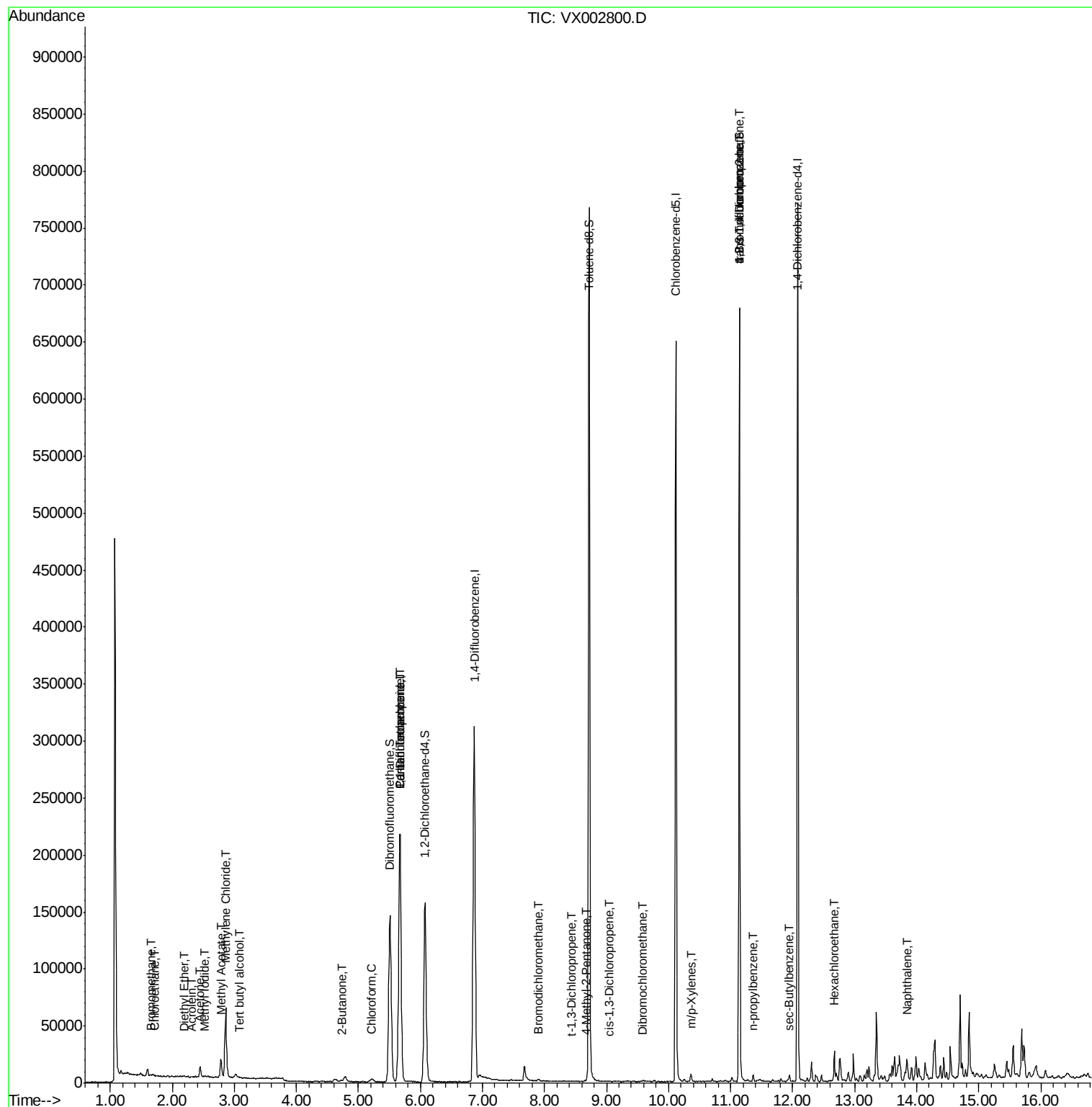
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	753	0.44	ug/l #	62
6) Chloroethane	1.71	64	526	0.28	ug/l #	43
8) Diethyl Ether	2.18	74	483	0.27	ug/l	98
10) Methyl Iodide	2.53	142	688	5.36	ug/l #	90
11) Tert butyl alcohol	3.07	59	277	0.40	ug/l #	66
13) Acrolein	2.31	56	264	7.66	ug/l	91
16) Acetone	2.45	43	10368	7.08	ug/l	98
18) Methyl Acetate	2.78	43	19730	5.06	ug/l	97
20) Methylene Chloride	2.86	84	28040	9.34	ug/l	94
25) 2-Butanone	4.72	43	1793	0.93	ug/l	100
30) Chloroform	5.21	83	2664	0.58	ug/l #	79
36) 1,1-Dichloropropene	5.67	75	15234	4.62	ug/l #	51
38) Carbon Tetrachloride	5.67	117	20308	6.19	ug/l #	16
47) Bromodichloromethane	7.90	83	923	0.30	ug/l #	85
51) 4-Methyl-2-Pentanone	8.66	43	908	0.23	ug/l	93
53) t-1,3-Dichloropropene	8.45	75	37	2.40	ug/l #	1
54) cis-1,3-Dichloropropene	9.03	75	52	3.23	ug/l #	35
60) Dibromochloromethane	9.59	129	382	3.88	ug/l	83
68) m/p-Xylenes	10.36	106	1570	0.34	ug/l	94
76) 1,2,3-Trichloropropane	11.14	75	82471	26.72	ug/l #	32
78) n-propylbenzene	11.37	91	3179	0.25	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.14	75	82471	82.52	ug/l #	7
85) sec-Butylbenzene	11.95	105	2843	0.26	ug/l #	76
90) Hexachloroethane	12.67	117	1236	3.37	ug/l #	1
95) Naphthalene	13.84	128	10327	0.94	ug/l #	90

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002800.D

Acq: 21 Jun 2018 20:29

Instrument :

MSVOA_X

ClientSampleId :

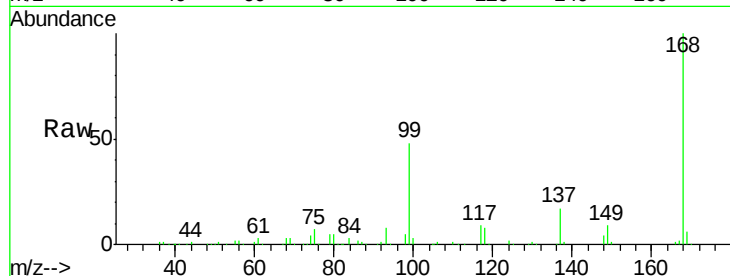
26KV-TP-9

Tot Ion:168 Resp: 218448

Ion Ratio Lower Upper

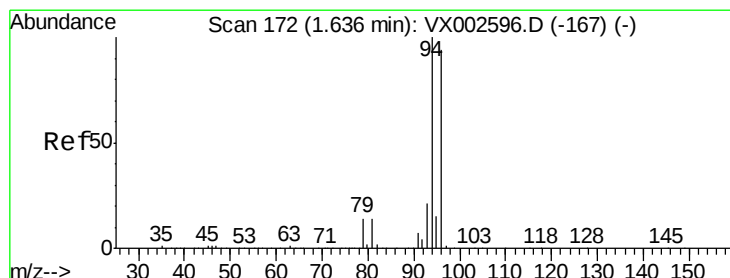
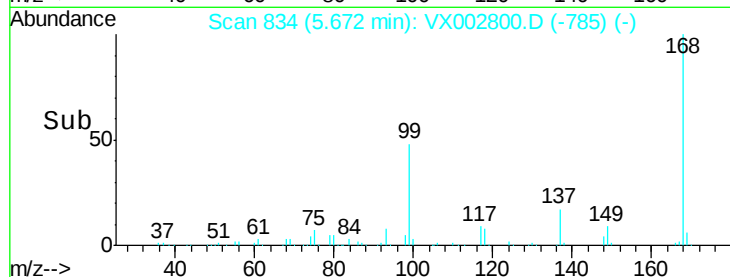
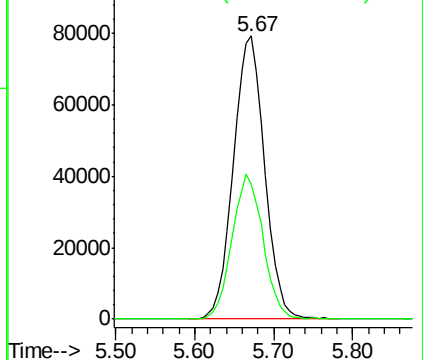
168 100

99 47.7 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.44 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX002800.D

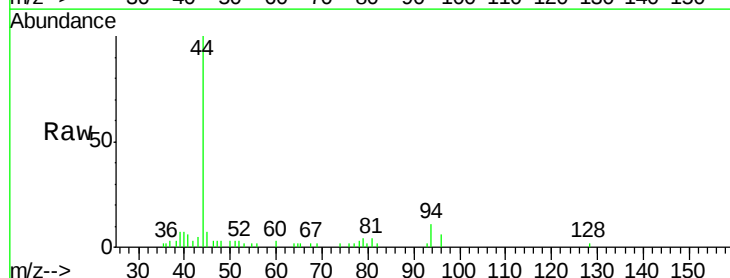
Acq: 21 Jun 2018 20:29

Tgt Ion: 94 Resp: 753

Ion Ratio Lower Upper

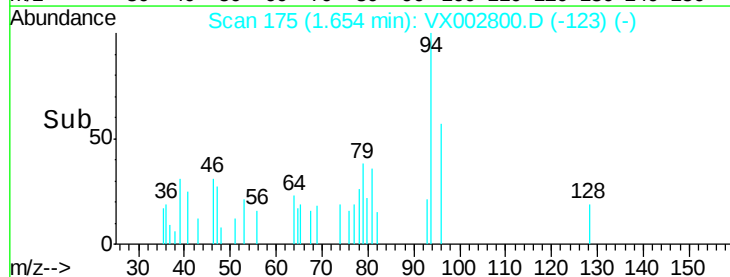
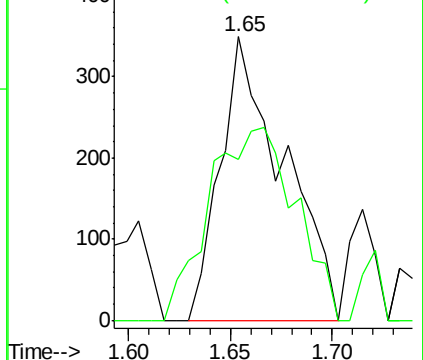
94 100

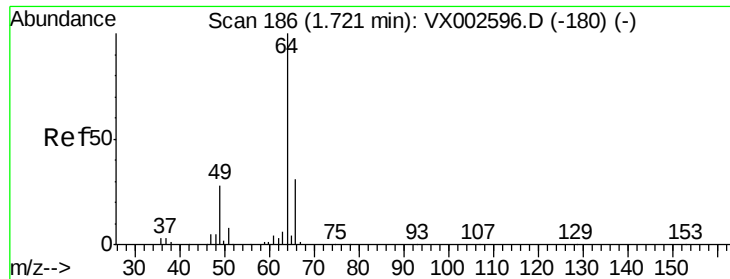
96 57.0 74.9 112.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.28 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX002800.D

Acq: 21 Jun 2018 20:29

Instrument :

MSVOA_X

ClientSampled :

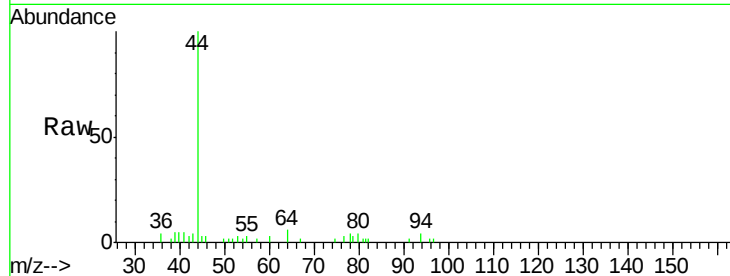
26KV-TP-9

Tot Ion: 64 Resp: 526

Ion Ratio Lower Upper

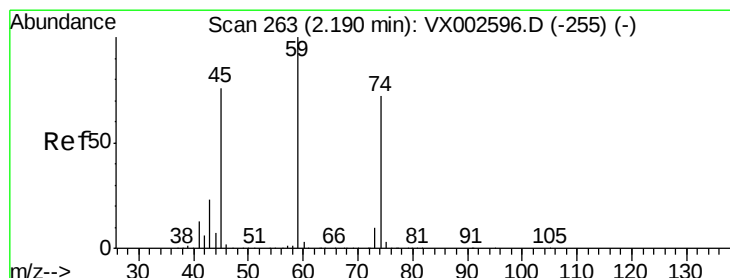
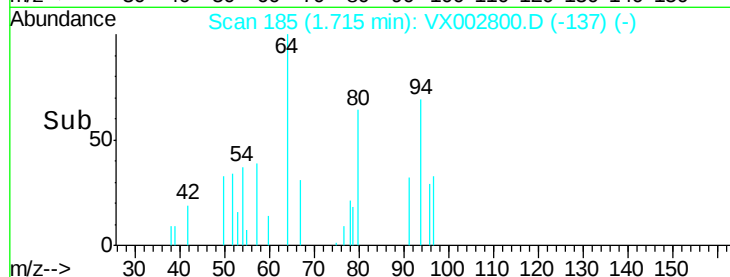
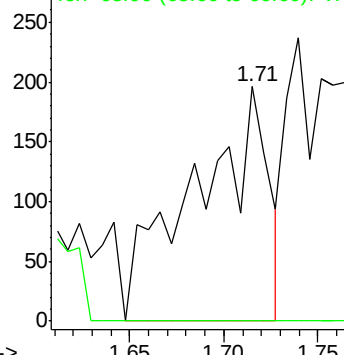
64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#8

Diethyl Ether

Concen: 0.27 ug/l

RT: 2.18 min Scan# 262

Delta R.T. -0.01 min

Lab File: VX002800.D

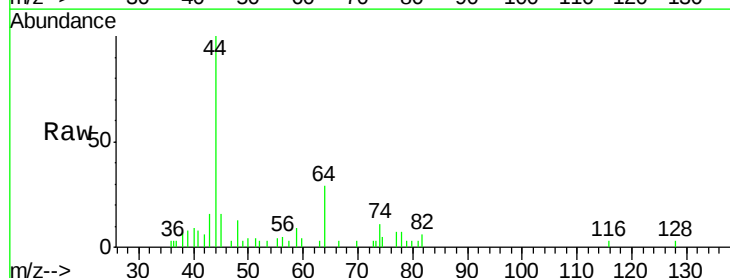
Acq: 21 Jun 2018 20:29

Tgt Ion: 74 Resp: 483

Ion Ratio Lower Upper

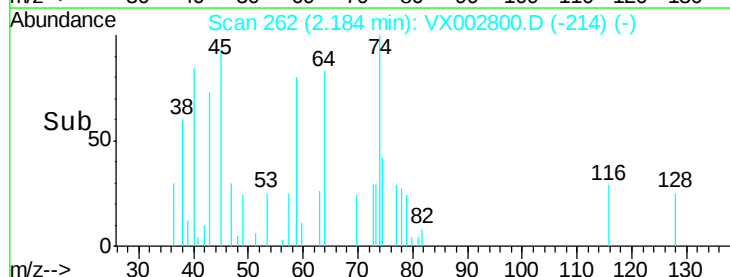
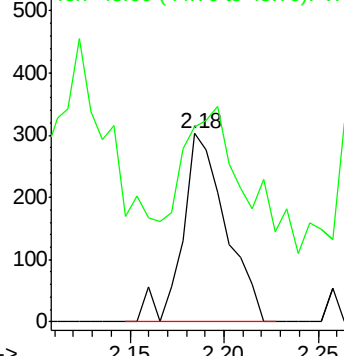
74 100

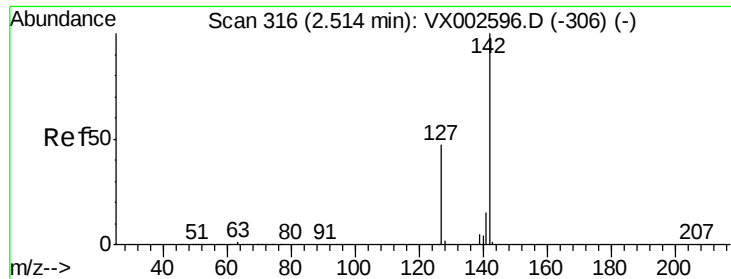
45 108.3 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

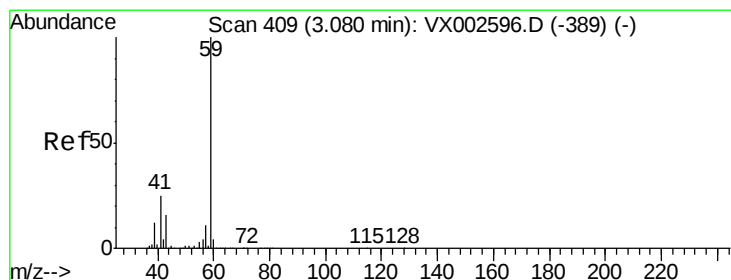
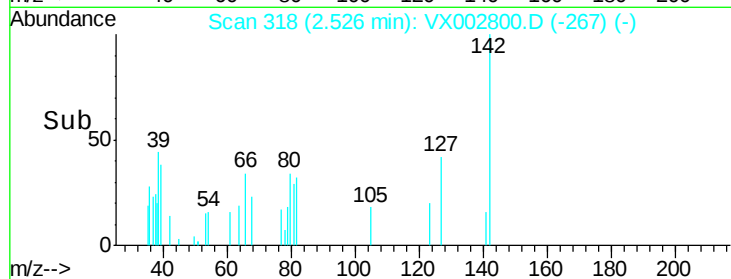
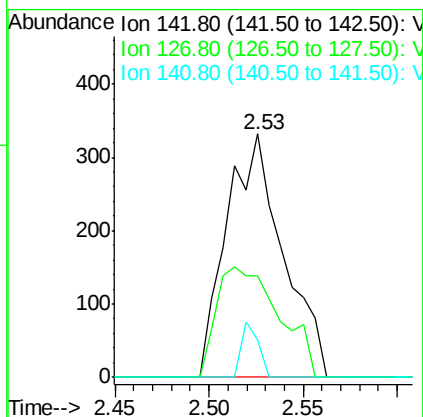
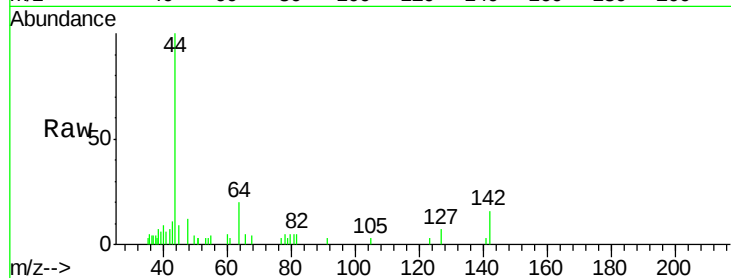




#10
Methyl Iodide
Concen: 5.36 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX002800.D
Acq: 21 Jun 2018 20:29

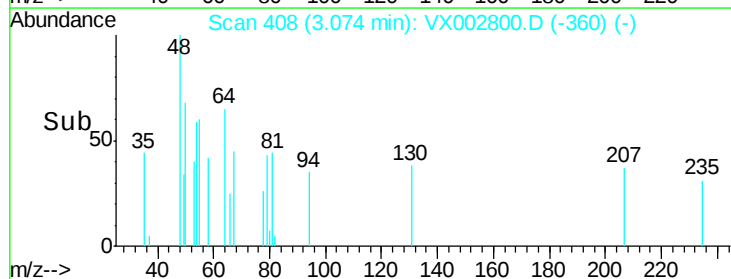
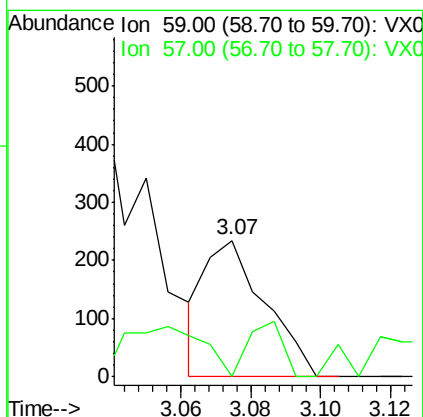
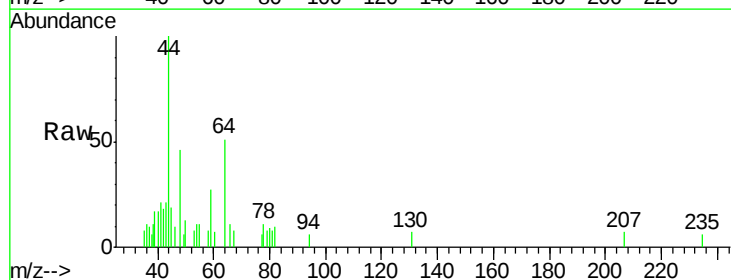
Instrument :
MSVOA_X
ClientSampled :
26KV-TP-9

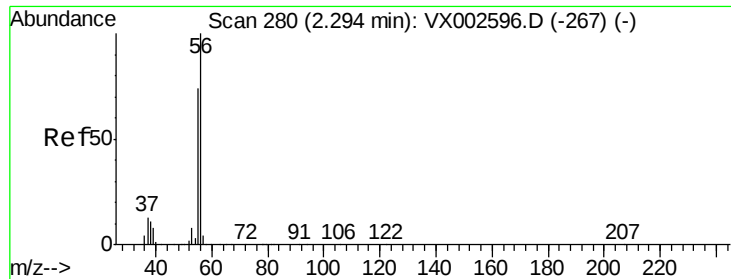
Tot Ion:142 Resp: 688
Ion Ratio Lower Upper
142 100
127 50.6 36.6 55.0
141 6.7 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.40 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX002800.D
Acq: 21 Jun 2018 20:29

Tgt Ion: 59 Resp: 277
Ion Ratio Lower Upper
59 100
57 22.7 8.2 12.2#





#13

Acrolein

Concen: 7.66 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX002800.D

Acq: 21 Jun 2018 20:29

Instrument :

MSVOA_X

ClientSampled :

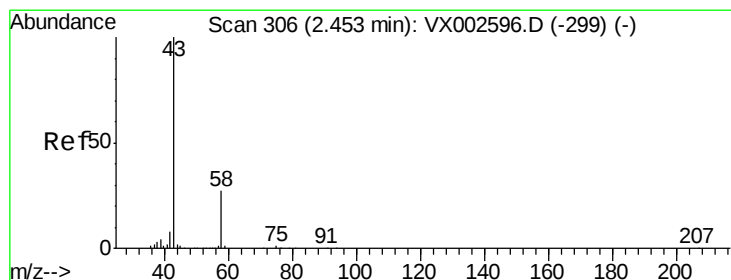
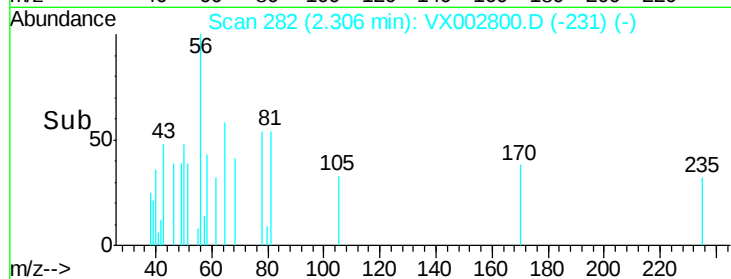
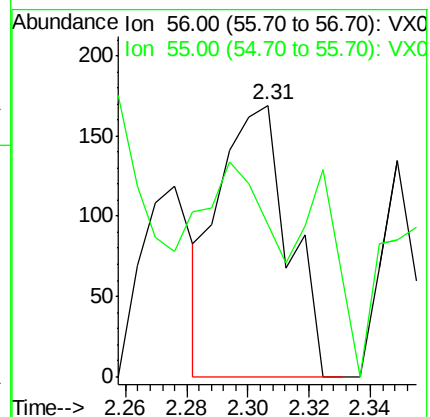
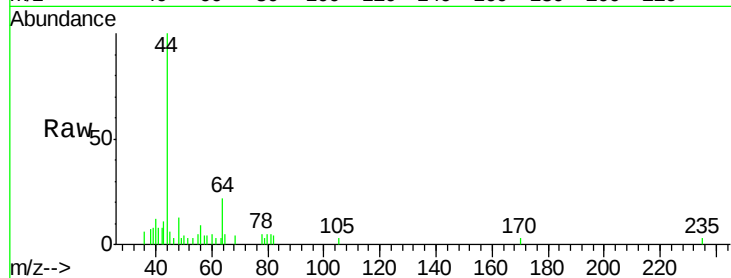
26KV-TP-9

Tot Ion: 56 Resp: 264

Ion Ratio Lower Upper

56 100

55 63.6 57.0 85.4



#16

Acetone

Concen: 7.08 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002800.D

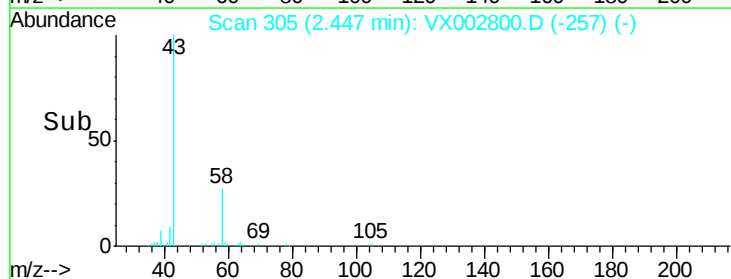
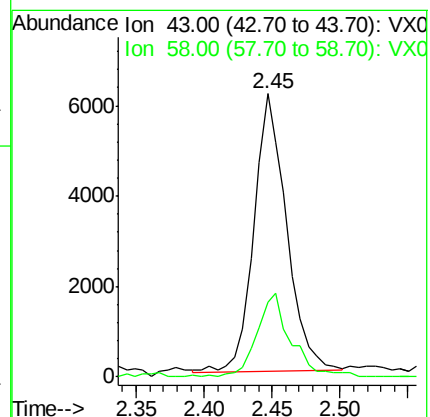
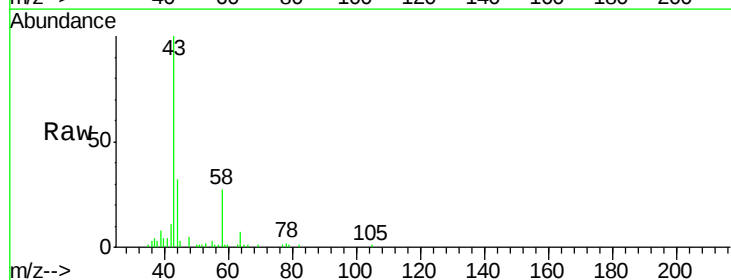
Acq: 21 Jun 2018 20:29

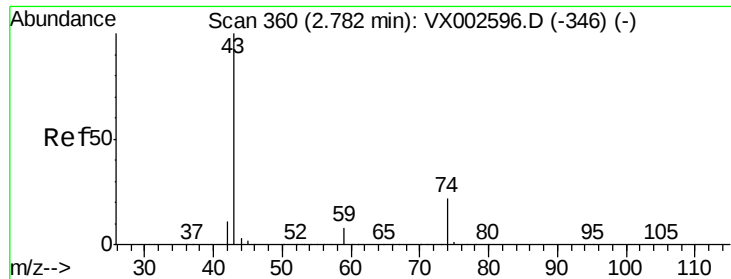
Tgt Ion: 43 Resp: 10368

Ion Ratio Lower Upper

43 100

58 26.4 22.1 33.1

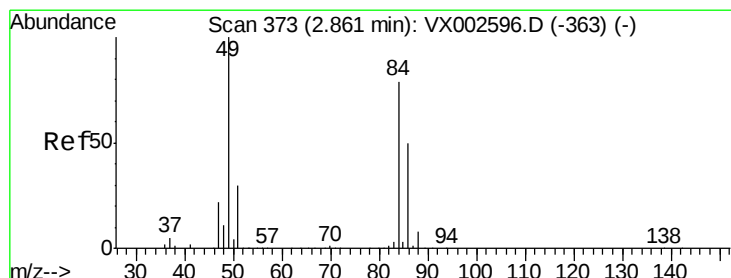
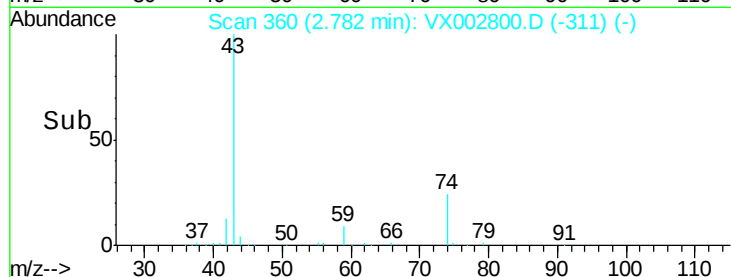
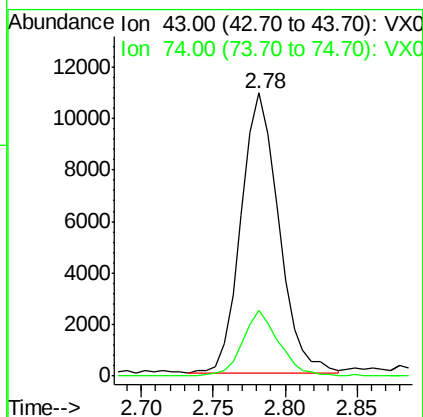
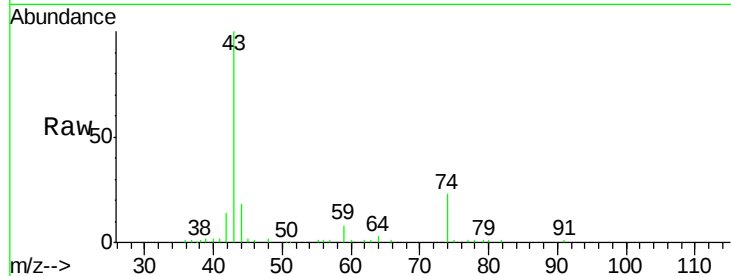




#18
Methyl Acetate
Concen: 5.06 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002800.D
Acq: 21 Jun 2018 20:29

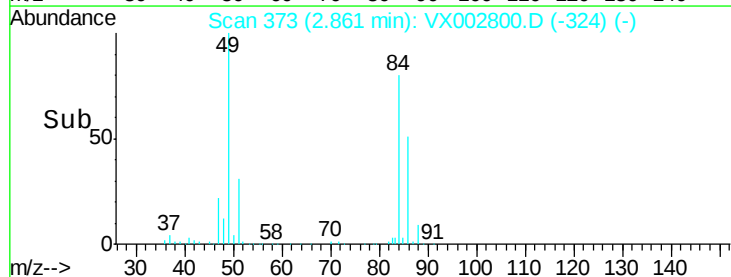
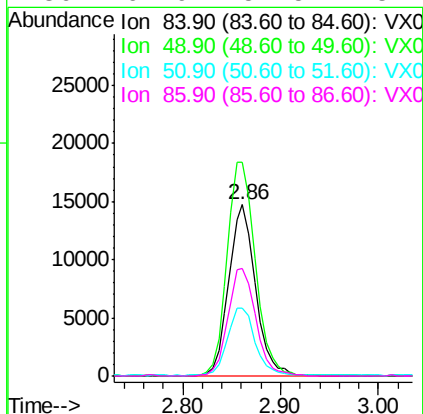
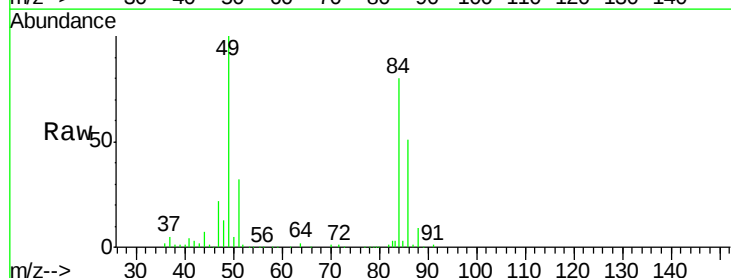
Instrument :
MSVOA_X
ClientSampleId :
26KV-TP-9

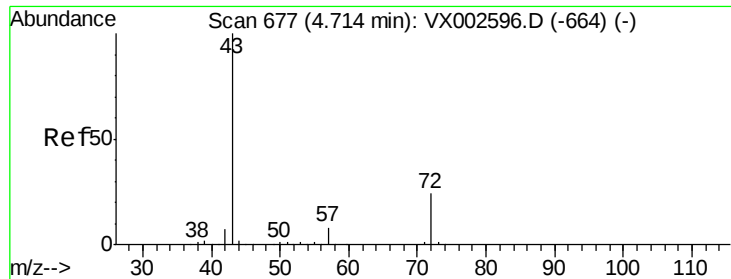
Tot Ion: 43 Resp: 19730
Ion Ratio Lower Upper
43 100
74 22.5 16.7 25.1



#20
Methylene Chloride
Concen: 9.34 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002800.D
Acq: 21 Jun 2018 20:29

Tgt Ion: 84 Resp: 28040
Ion Ratio Lower Upper
84 100
49 124.5 107.8 161.6
51 39.0 32.8 49.2
86 62.9 52.5 78.7





#25

2-Butanone

Concen: 0.93 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX002800.D

Acq: 21 Jun 2018 20:29

Instrument :

MSVOA_X

ClientSampleId :

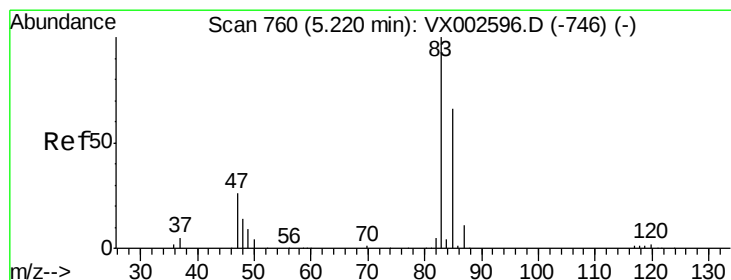
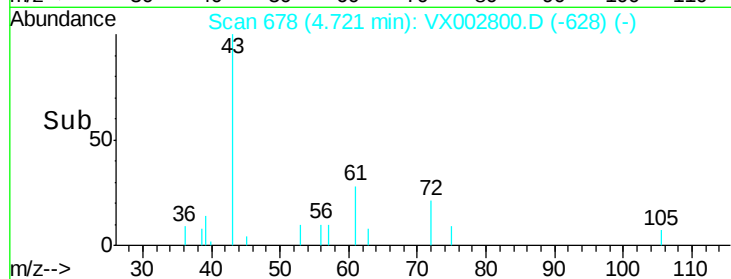
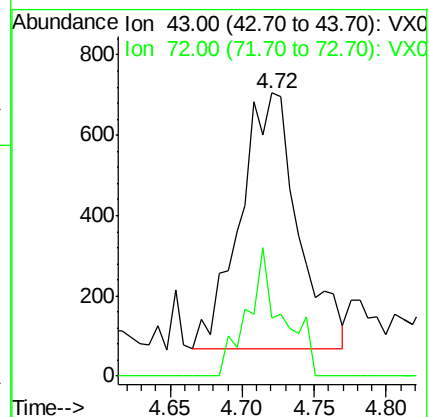
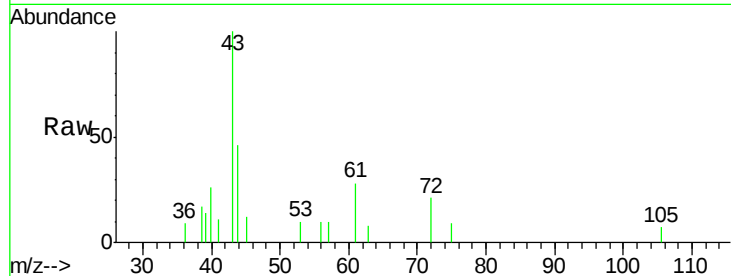
26KV-TP-9

Tot Ion: 43 Resp: 1793

Ion Ratio Lower Upper

43 100

72 23.0 18.5 27.7



#30

Chloroform

Concen: 0.58 ug/l

RT: 5.21 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX002800.D

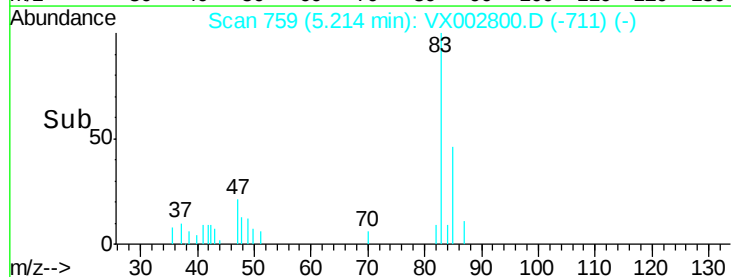
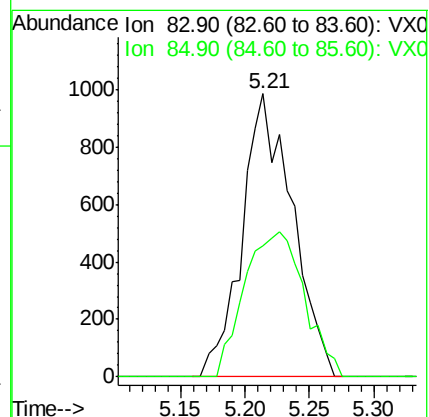
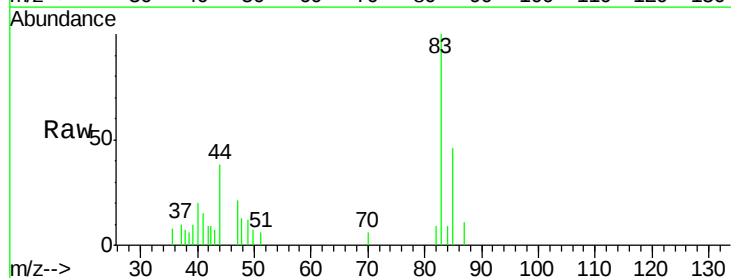
Acq: 21 Jun 2018 20:29

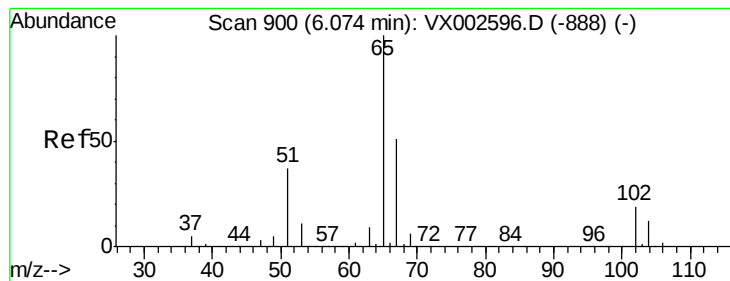
Tgt Ion: 83 Resp: 2664

Ion Ratio Lower Upper

83 100

85 46.5 50.4 75.6#





#33

1,2-Dichloroethane-d4

Concen: 45.74 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002800.D

Acq: 21 Jun 2018 20:29

Instrument :

MSVOA_X

ClientSampleId :

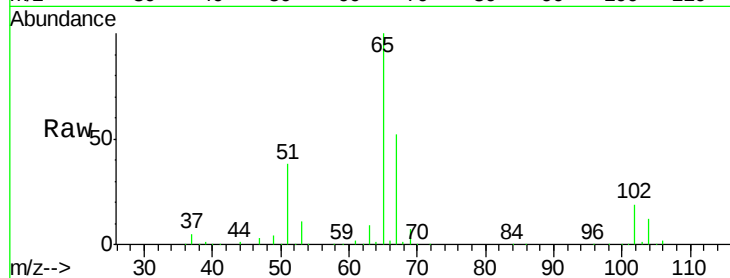
26KV-TP-9

Tot Ion: 65 Resp: 151845

Ion Ratio Lower Upper

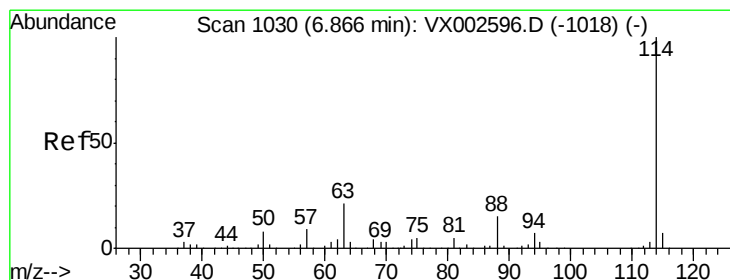
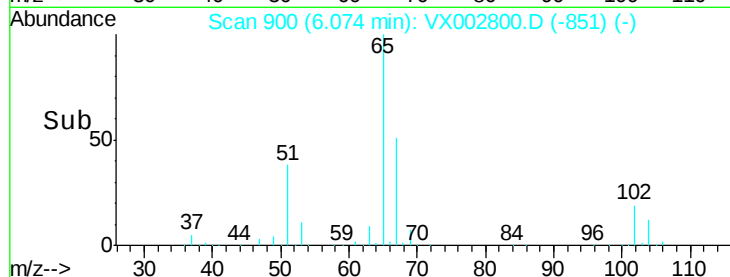
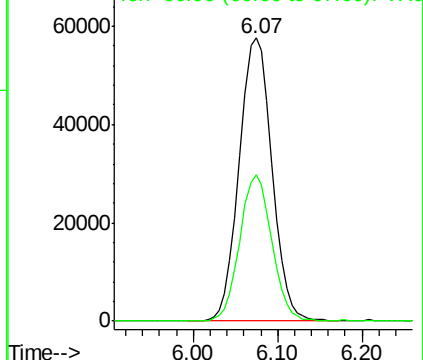
65 100

67 50.5 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX002800.D

Acq: 21 Jun 2018 20:29

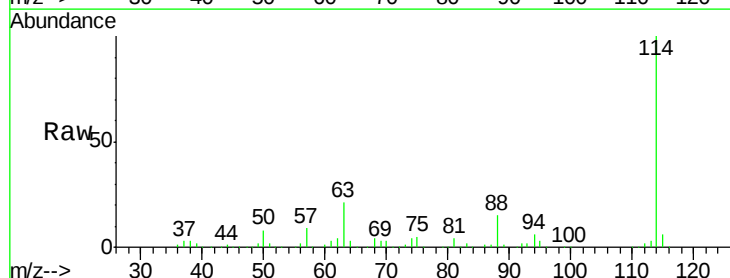
Tgt Ion: 114 Resp: 310217

Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.4

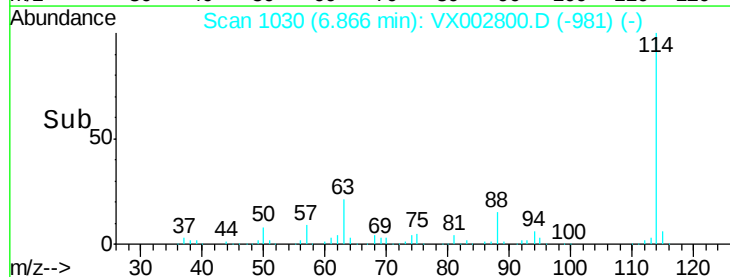
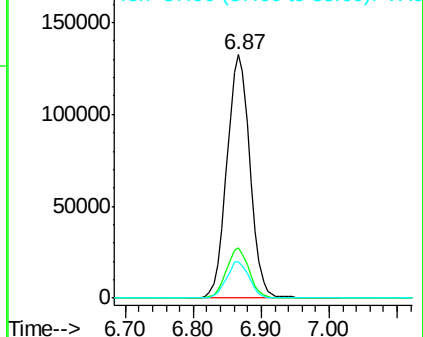
88 15.0 0.0 30.0

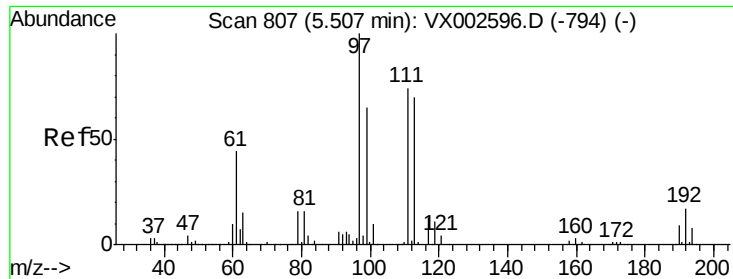


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.21 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX002800.D

Acq: 21 Jun 2018 20:29

Instrument :

MSVOA_X

ClientSampled :

26KV-TP-9

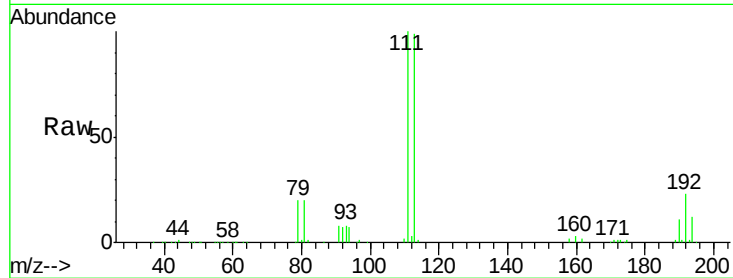
Tot Ion:113 Resp: 119350

Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.0

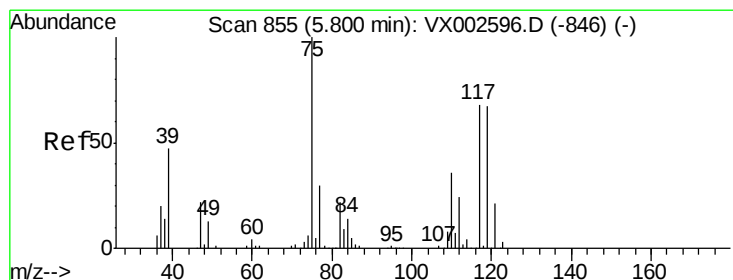
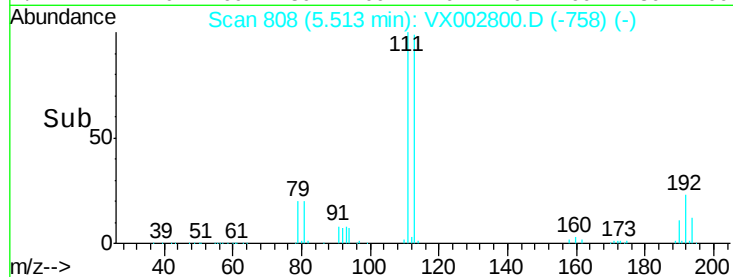
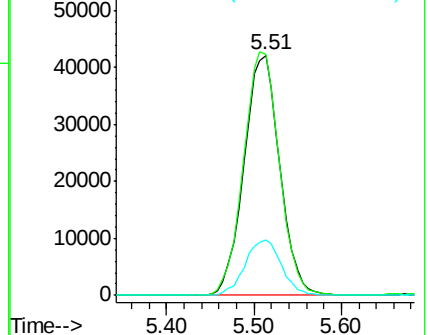
192 23.5 19.1 28.7



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: 4.62 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX002800.D

Acq: 21 Jun 2018 20:29

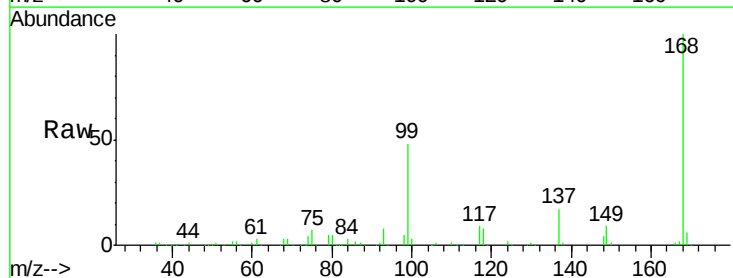
Tgt Ion: 75 Resp: 15234

Ion Ratio Lower Upper

75 100

110 10.2 18.1 54.4#

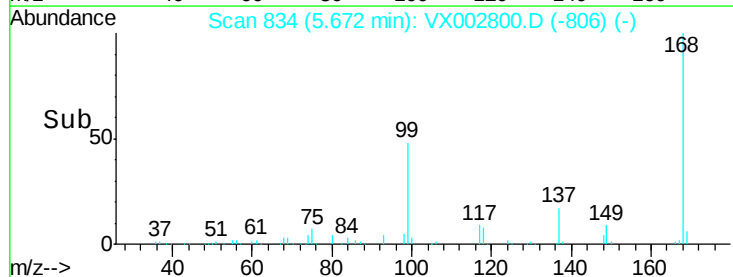
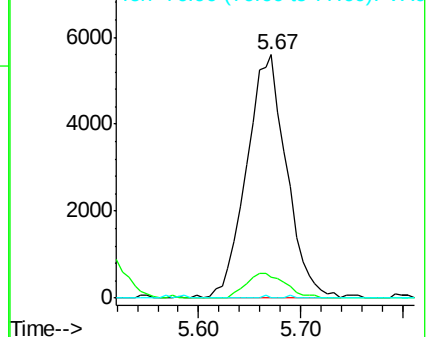
77 0.2 24.3 36.5#

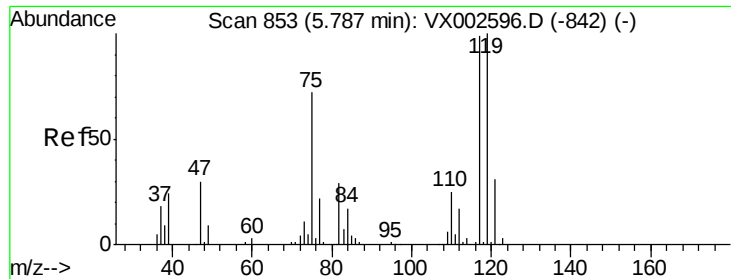


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.19 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX002800.D

Acq: 21 Jun 2018 20:29

Instrument :

MSVOA_X

ClientSampleId :

26KV-TP-9

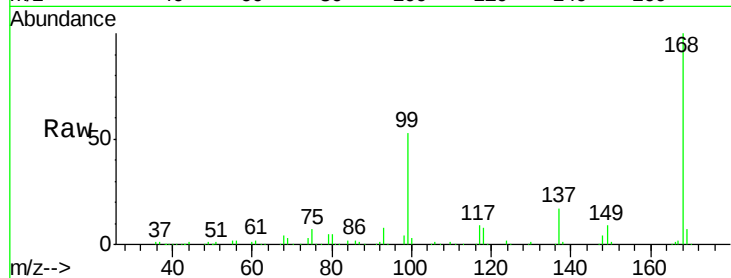
Tot Ion:117 Resp: 20308

Ion Ratio Lower Upper

117 100

119 5.0 77.4 116.0#

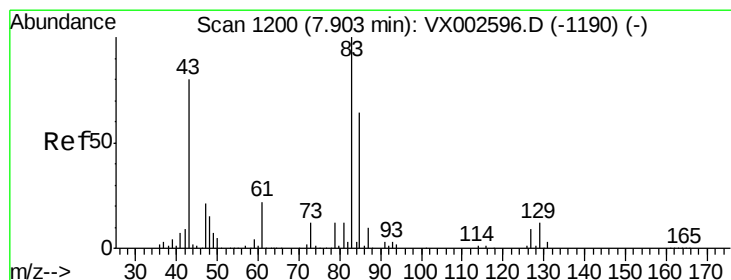
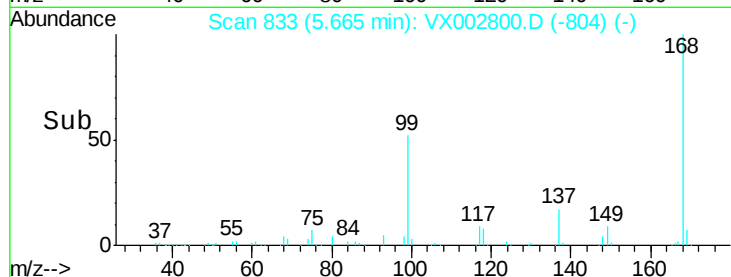
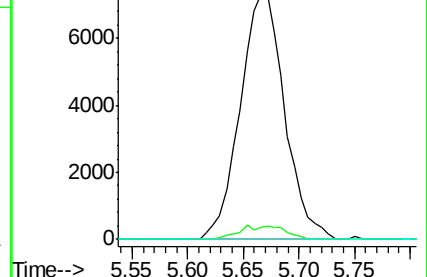
121 0.0 24.4 36.6#



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



#47

Bromodichloromethane

Concen: 0.30 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002800.D

Acq: 21 Jun 2018 20:29

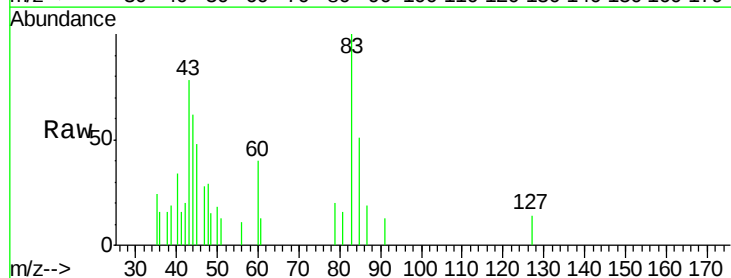
Tgt Ion: 83 Resp: 923

Ion Ratio Lower Upper

83 100

85 51.3 50.3 75.5

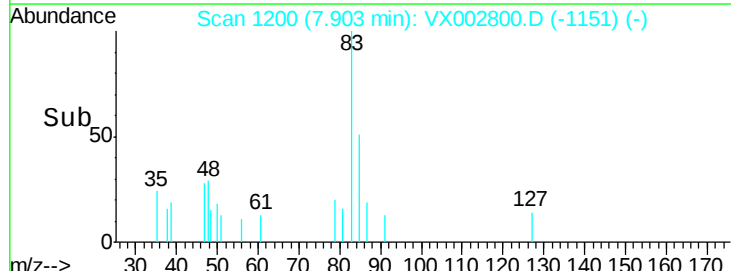
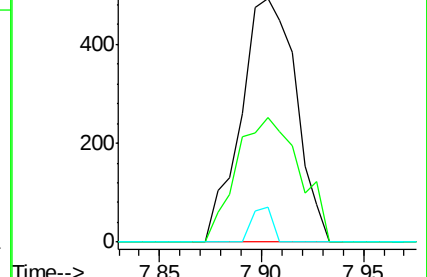
127 14.4 7.0 10.4#

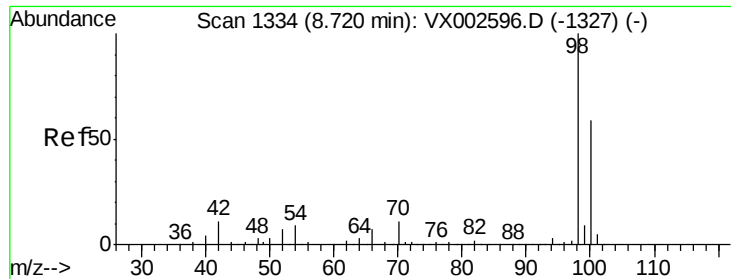


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V

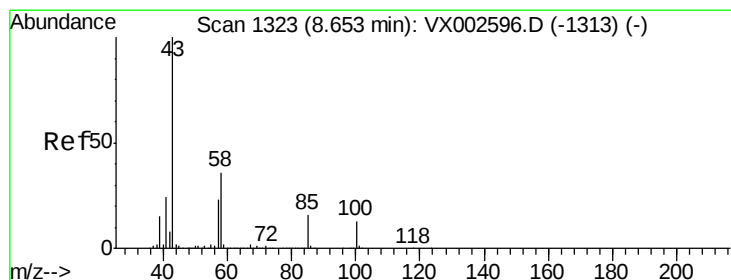
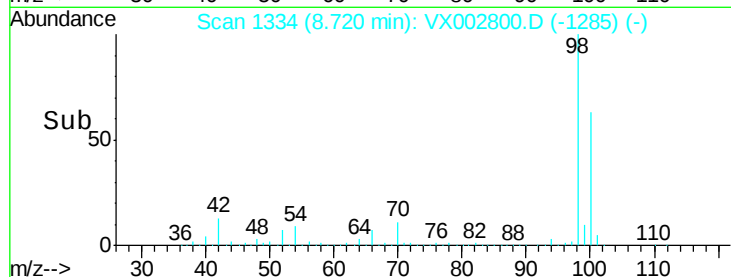
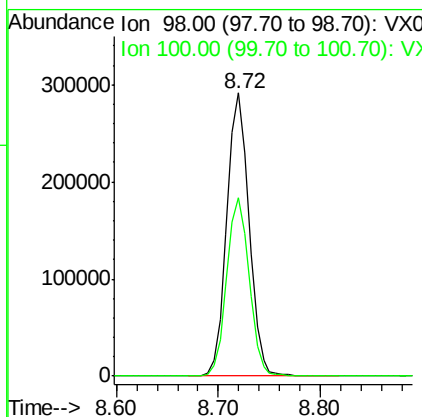
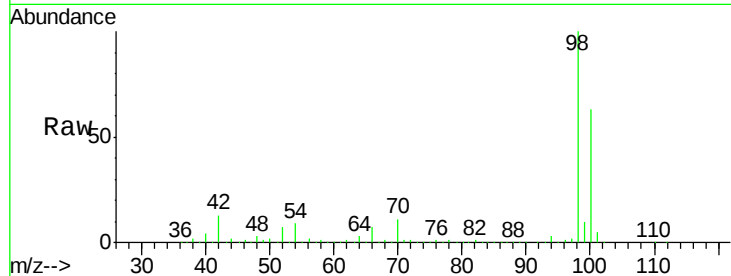




#50
Toluene-d8
Concen: 46.88 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002800.D
Acq: 21 Jun 2018 20:29

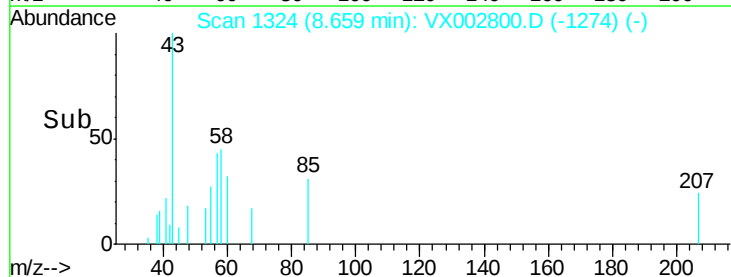
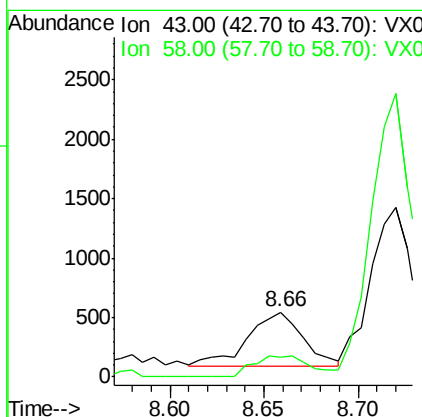
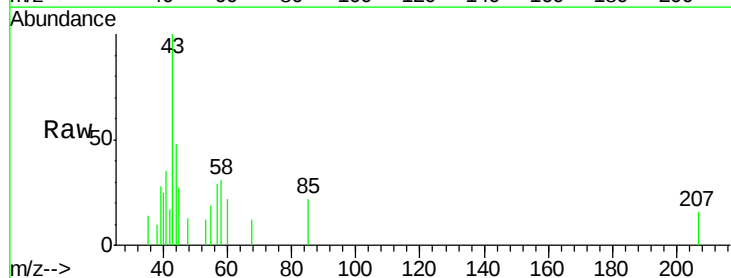
Instrument :
MSVOA_X
ClientSampleId :
26KV-TP-9

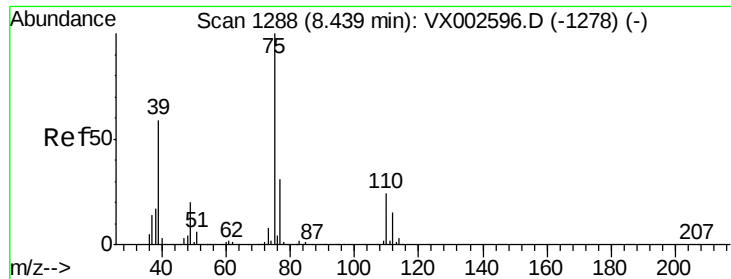
Tot Ion: 98 Resp: 440701
Ion Ratio Lower Upper
98 100
100 63.8 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 0.23 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.01 min
Lab File: VX002800.D
Acq: 21 Jun 2018 20:29

Tgt Ion: 43 Resp: 908
Ion Ratio Lower Upper
43 100
58 39.9 28.6 42.8





#53

t-1,3-Dichloropropene

Concen: 2.40 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VX002800.D

Acq: 21 Jun 2018 20:29

Instrument :

MSVOA_X

ClientSampleId :

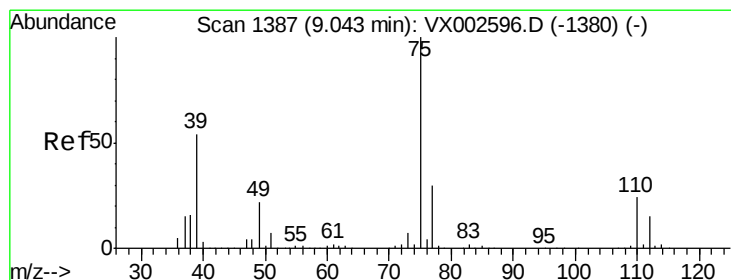
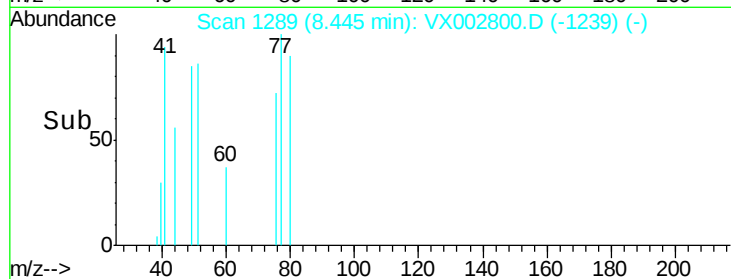
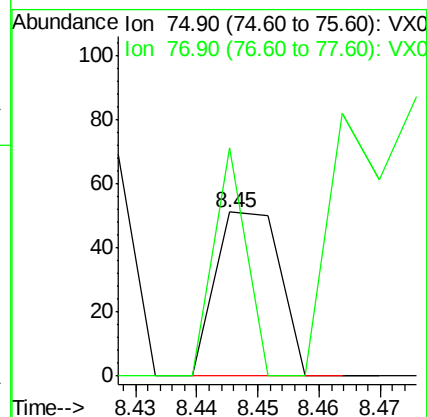
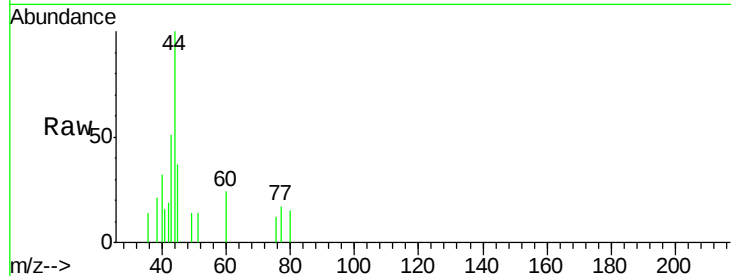
26KV-TP-9

Tot Ion: 75 Resp: 37

Ion Ratio Lower Upper

75 100

77 139.2 25.4 38.2#



#54

cis-1,3-Dichloropropene

Concen: 3.23 ug/l

RT: 9.03 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VX002800.D

Acq: 21 Jun 2018 20:29

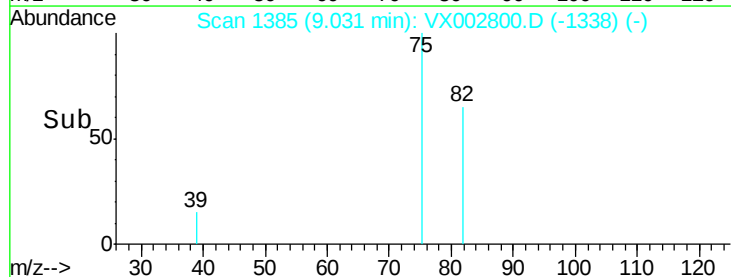
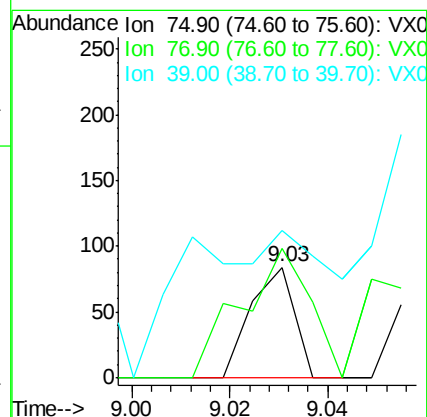
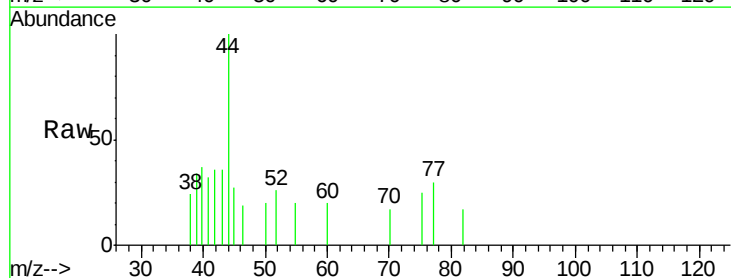
Tgt Ion: 75 Resp: 52

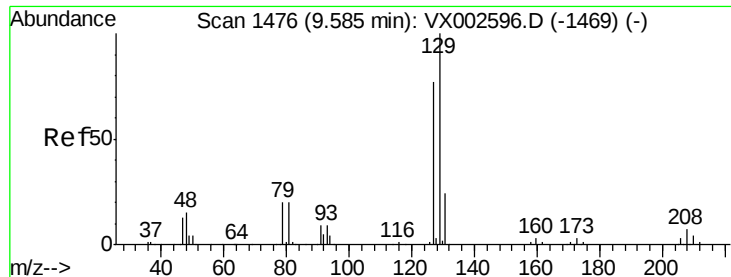
Ion Ratio Lower Upper

75 100

77 116.7 24.8 37.2#

39 44.0 42.4 63.6

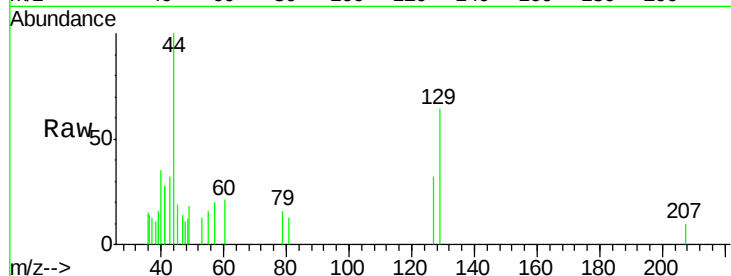




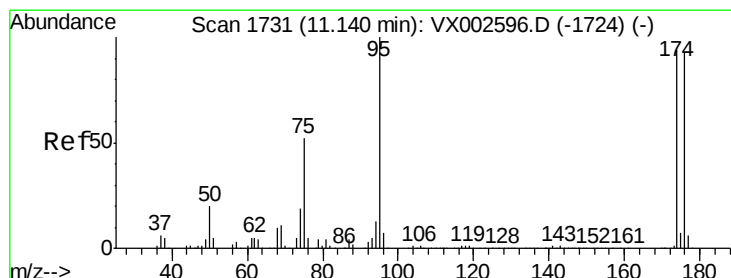
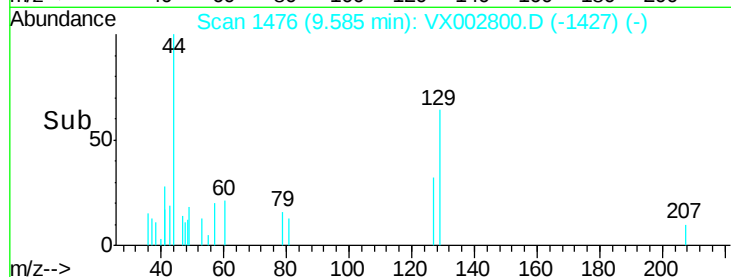
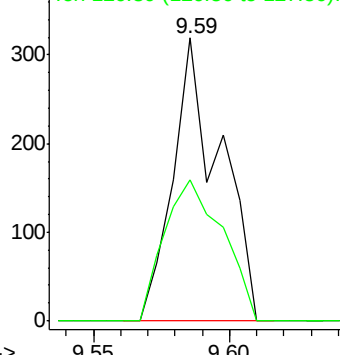
#60
Dibromochloromethane
Concen: 3.88 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX002800.D
Acq: 21 Jun 2018 20:29

Instrument :
MSVOA_X
ClientSampleId :
26KV-TP-9

Tot Ion:129 Resp: 382
Ion Ratio Lower Upper
129 100
127 62.0 38.5 115.3

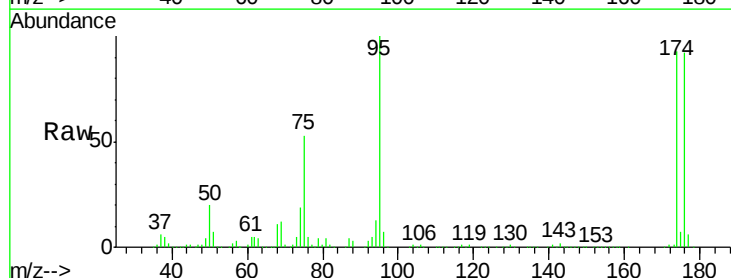


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

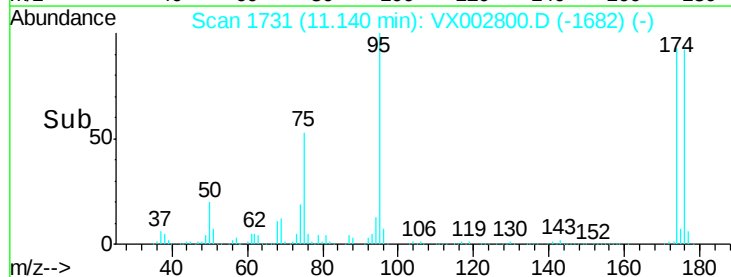
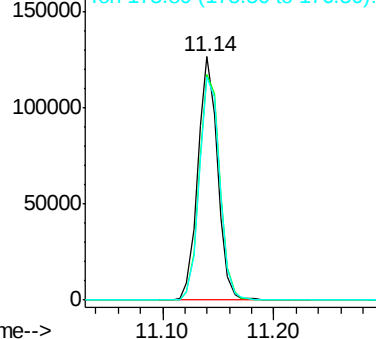


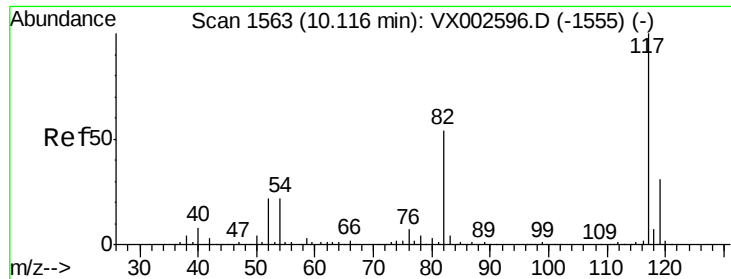
#62
4-Bromofluorobenzene
Concen: 43.40 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002800.D
Acq: 21 Jun 2018 20:29

Tgt Ion: 95 Resp: 154584
Ion Ratio Lower Upper
95 100
174 96.7 0.0 187.4
176 94.8 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

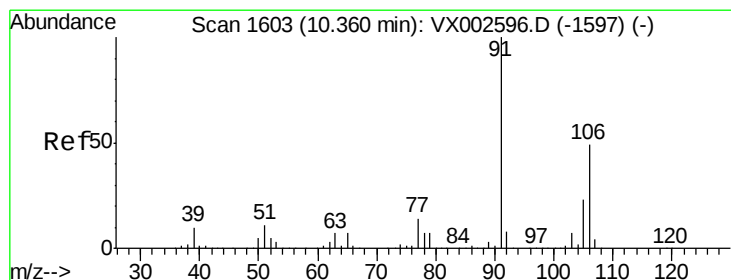
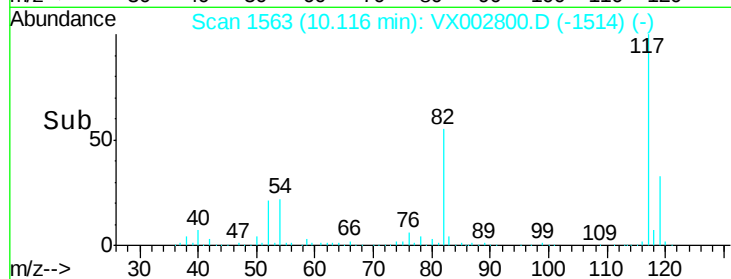
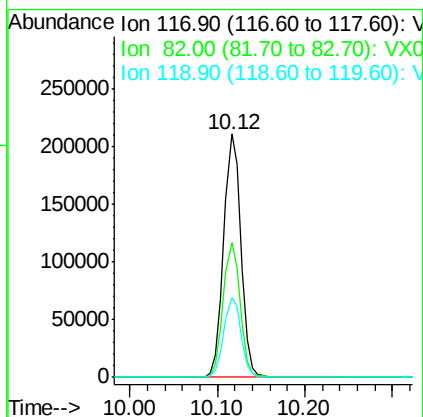
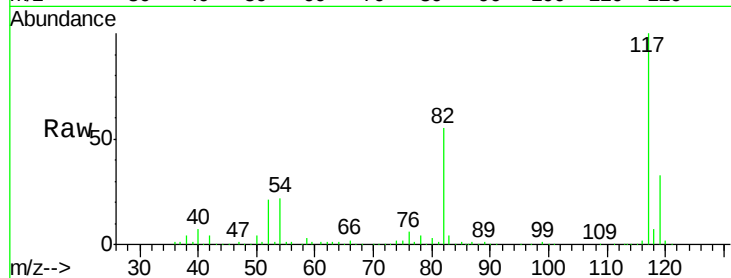




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002800.D
Acq: 21 Jun 2018 20:29

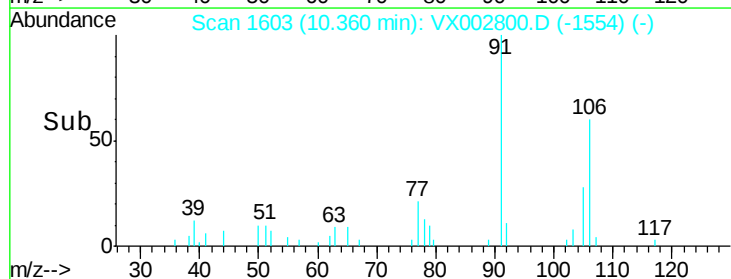
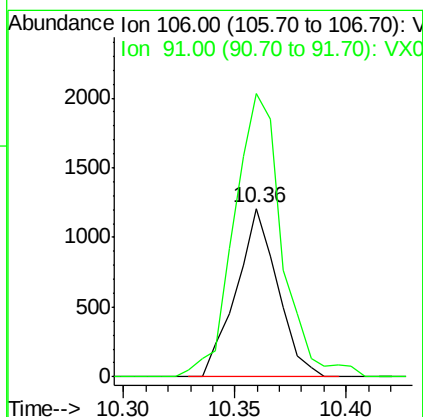
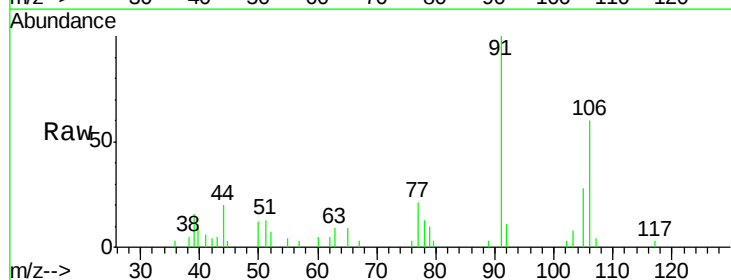
Instrument :
MSVOA_X
ClientSampled :
26KV-TP-9

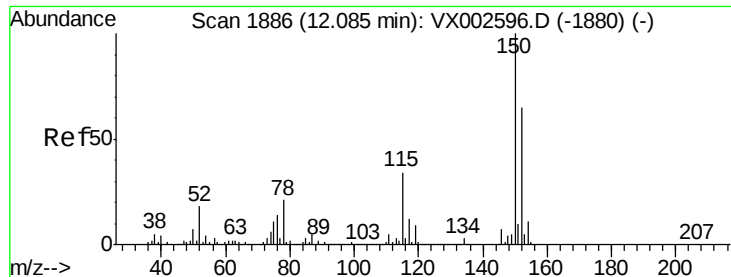
Tot Ion:117 Resp: 286945
Ion Ratio Lower Upper
117 100
82 55.2 45.0 67.4
119 32.7 25.8 38.6



#68
m/p-Xylenes
Concen: 0.34 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX002800.D
Acq: 21 Jun 2018 20:29

Tgt Ion:106 Resp: 1570
Ion Ratio Lower Upper
106 100
91 194.6 163.4 245.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002800.D

Acq: 21 Jun 2018 20:29

Instrument :

MSVOA_X

ClientSampled :

26KV-TP-9

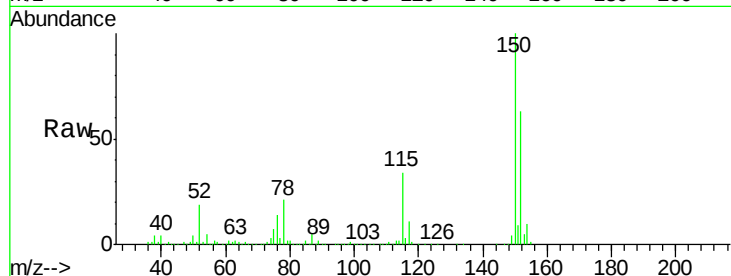
Tot Ion:152 Resp: 163592

Ion Ratio Lower Upper

152 100

115 54.7 40.1 120.2

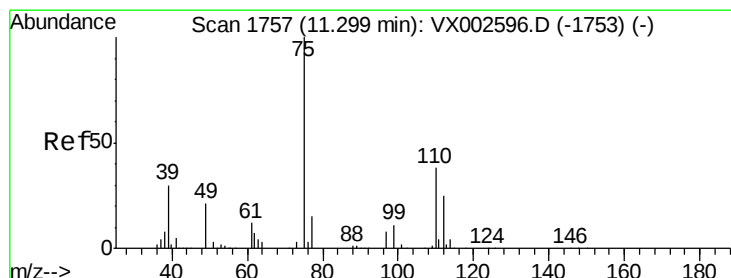
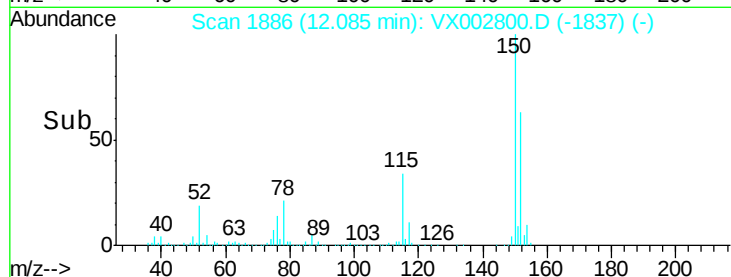
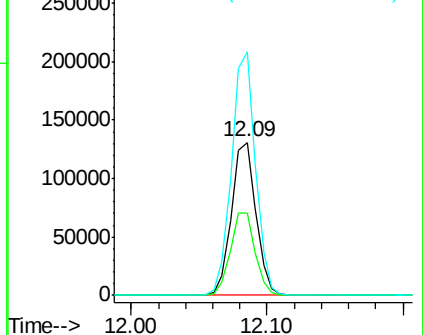
150 156.2 0.0 347.2



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



#76

1,2,3-Trichloropropane

Concen: 26.72 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002800.D

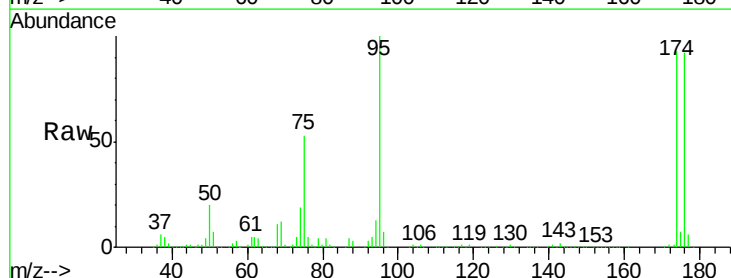
Acq: 21 Jun 2018 20:29

Tgt Ion: 75 Resp: 82471

Ion Ratio Lower Upper

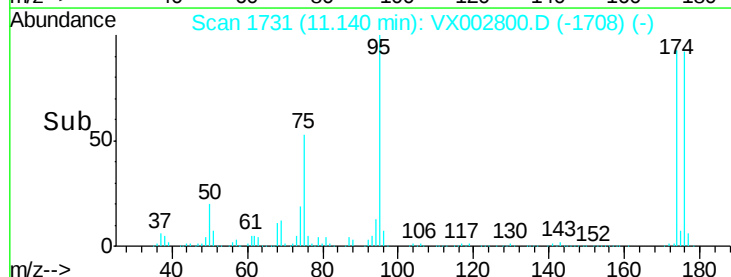
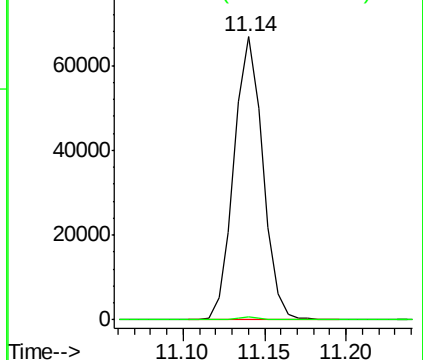
75 100

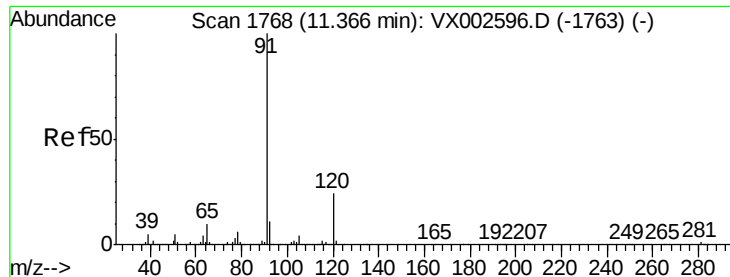
77 1.0 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 0.25 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002800.D

Acq: 21 Jun 2018 20:29

Instrument :

MSVOA_X

ClientSampled :

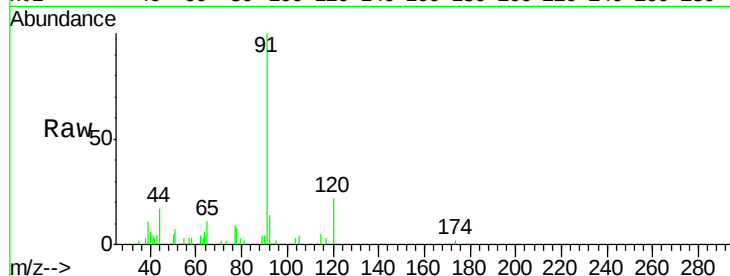
26KV-TP-9

Tot Ion: 91 Resp: 3179

Ion Ratio Lower Upper

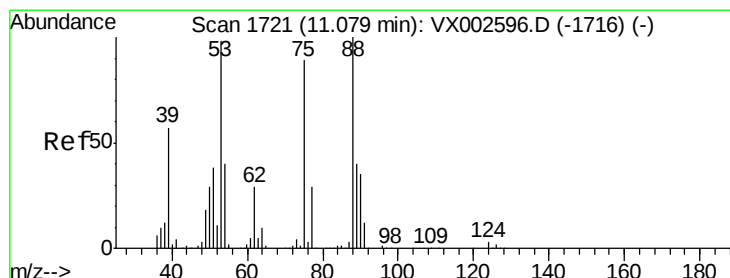
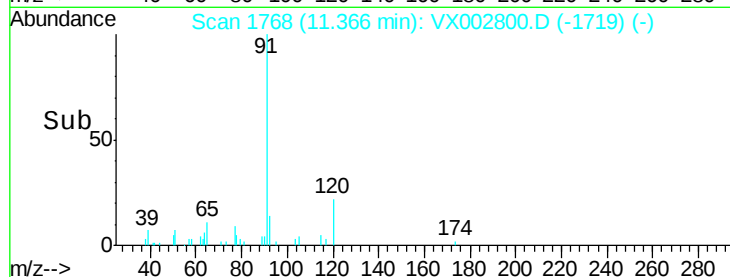
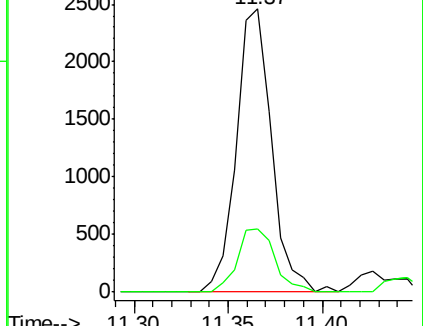
91 100

120 24.2 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 82.52 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002800.D

Acq: 21 Jun 2018 20:29

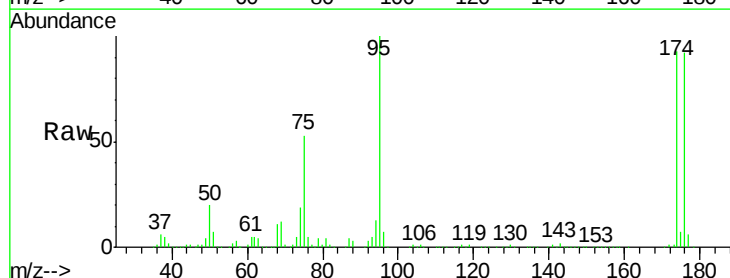
Tgt Ion: 75 Resp: 82471

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

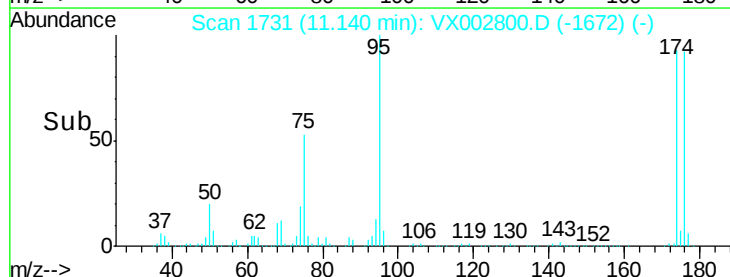
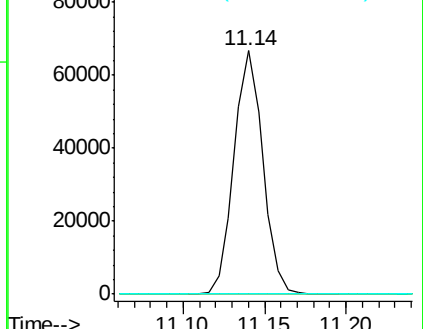
89 0.0 38.2 57.2#

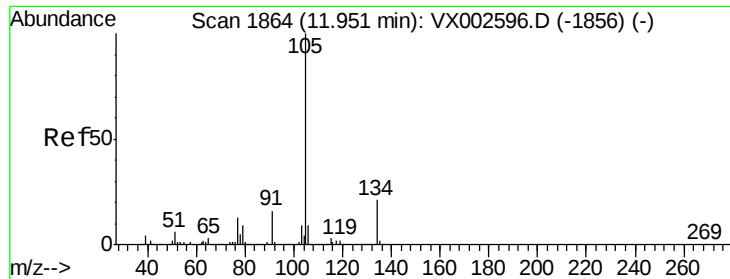


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#85

sec-Butylbenzene

Concen: 0.26 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002800.D

Acq: 21 Jun 2018 20:29

Instrument :

MSVOA_X

ClientSampleId :

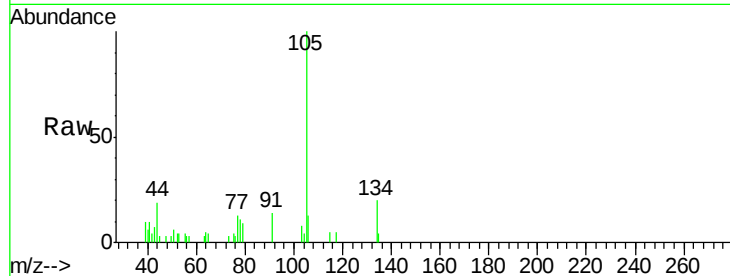
26KV-TP-9

Tot Ion:105 Resp: 2843

Ion Ratio Lower Upper

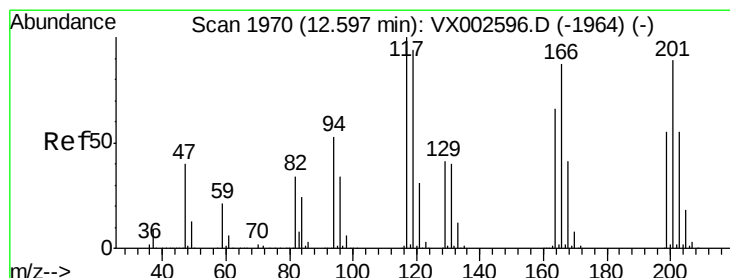
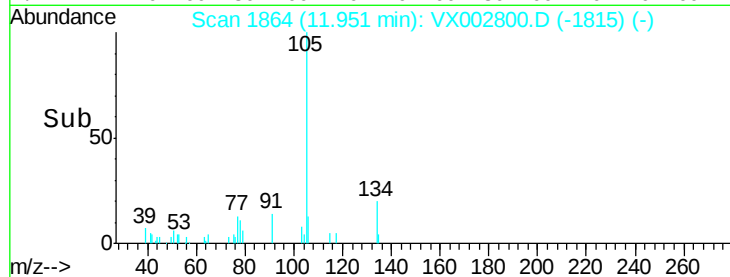
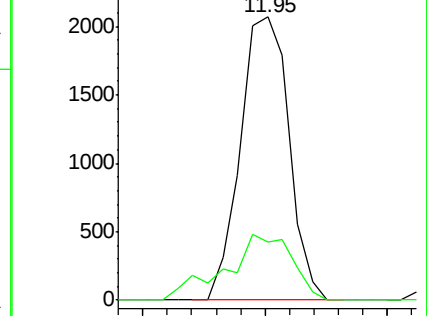
105 100

134 31.9 10.4 31.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 3.37 ug/l

RT: 12.67 min Scan# 1982

Delta R.T. 0.07 min

Lab File: VX002800.D

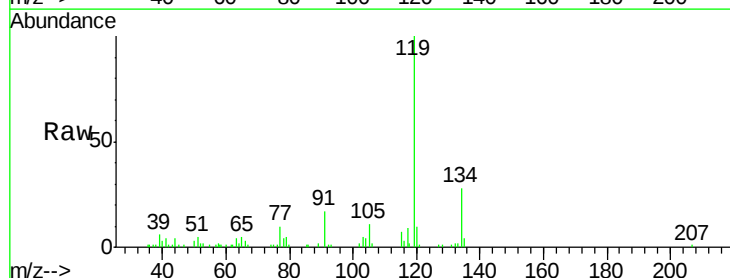
Acq: 21 Jun 2018 20:29

Tgt Ion:117 Resp: 1236

Ion Ratio Lower Upper

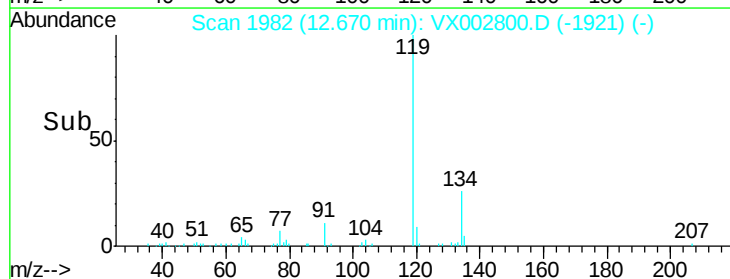
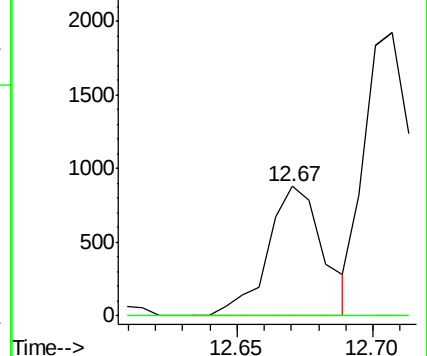
117 100

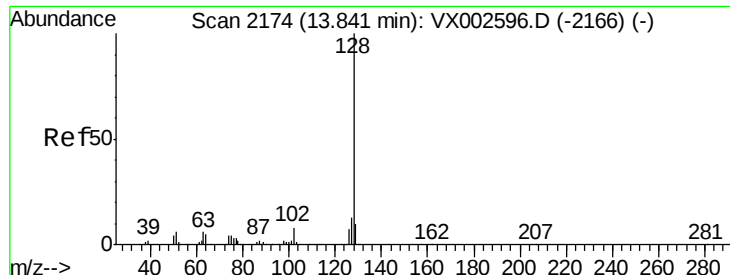
201 0.0 49.0 147.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#95
Naphthalene
Concen: 0.94 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX002800.D
Acq: 21 Jun 2018 20:29

Instrument :
MSVOA_X
ClientSampleId :
26KV-TP-9

Tot Ion:128 Resp: 10327
Ion Ratio Lower Upper
128 100
127 15.2 10.4 15.6
129 16.8 8.6 13.0#

