

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062118\
 Data File : VX002795.D
 Acq On : 21 Jun 2018 18:16
 Operator : JC/MD
 Sample : J3603-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 26KV-TP-3

Quant Time: Jun 22 01:12:13 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	218675	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	309443	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	288221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	163069	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	151043	45.45	ug/l	0.00
Spiked Amount			Recovery	=	90.90%	
35) Dibromofluoromethane	5.51	113	120189	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
50) Toluene-d8	8.72	98	439074	46.82	ug/l	0.00
Spiked Amount			Recovery	=	93.64%	
62) 4-Bromofluorobenzene	11.14	95	152205	42.83	ug/l	0.00
Spiked Amount			Recovery	=	85.66%	

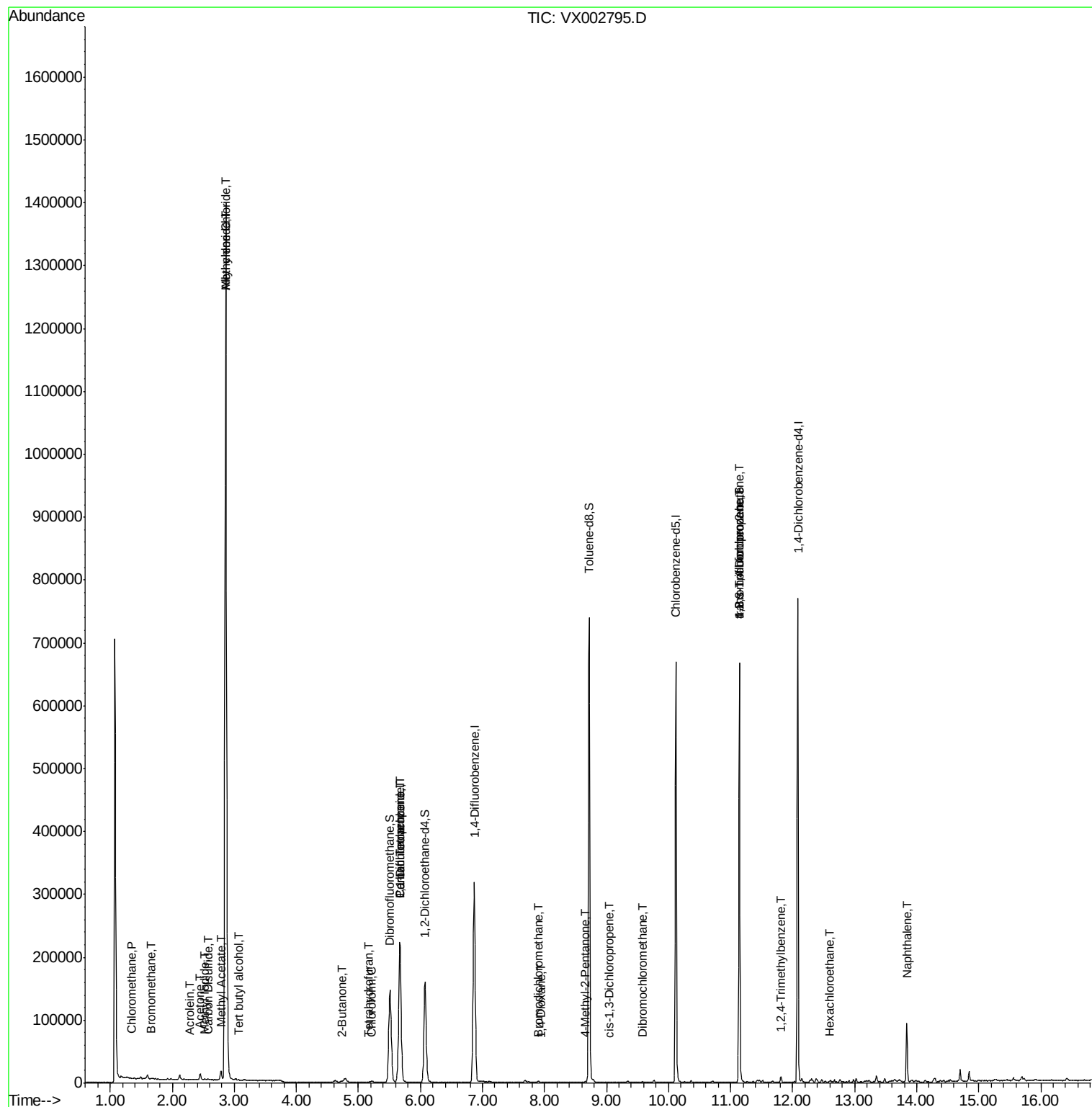
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.34	50	613	0.22	ug/l #	67
5) Bromomethane	1.65	94	831	0.48	ug/l #	33
10) Methyl Iodide	2.52	142	1116	5.47	ug/l #	87
11) Tert butyl alcohol	3.07	59	293	0.43	ug/l #	71
13) Acrolein	2.29	56	684	8.93	ug/l	94
14) Allyl chloride	2.86	41	23920	4.93	ug/l #	25
16) Acetone	2.45	43	11055	7.54	ug/l	98
17) Carbon Disulfide	2.57	76	1242	0.21	ug/l #	80
18) Methyl Acetate	2.78	43	16978	4.35	ug/l	98
20) Methylene Chloride	2.86	84	632833	210.52	ug/l	97
25) 2-Butanone	4.73	43	2405	1.25	ug/l	93
29) Tetrahydrofuran	5.17	42	855	0.68	ug/l #	45
30) Chloroform	5.21	83	1811	0.39	ug/l	98
36) 1,1-Dichloropropene	5.67	75	14679	4.47	ug/l #	52
38) Carbon Tetrachloride	5.67	117	20097	6.14	ug/l #	15
47) Bromodichloromethane	7.90	83	770	0.25	ug/l #	87
49) 1,4-Dioxane	7.95	88	19	0.32	ug/l #	1
51) 4-Methyl-2-Pentanone	8.66	43	804	0.20	ug/l	100
54) cis-1,3-Dichloropropene	9.06	75	90	3.23	ug/l #	1
60) Dibromochloromethane	9.59	129	274	3.85	ug/l	92
76) 1,2,3-Trichloropropane	11.14	75	81529	26.50	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	81529	81.87	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.81	105	3529	0.38	ug/l	99
90) Hexachloroethane	12.60	117	165	2.73	ug/l #	1
95) Naphthalene	13.84	128	58473	5.34	ug/l	100

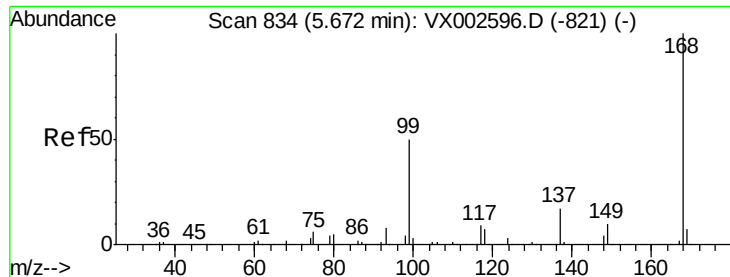
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002795.D

Acq: 21 Jun 2018 18:16

Instrument :

MSVOA_X

ClientSampleId :

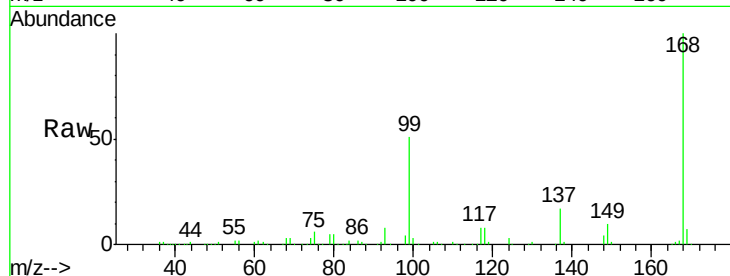
26KV-TP-3

Tot Ion:168 Resp: 218675

Ion Ratio Lower Upper

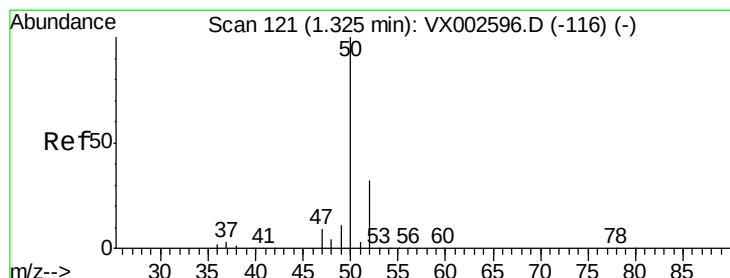
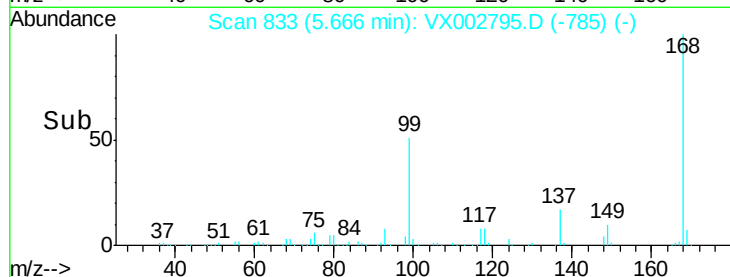
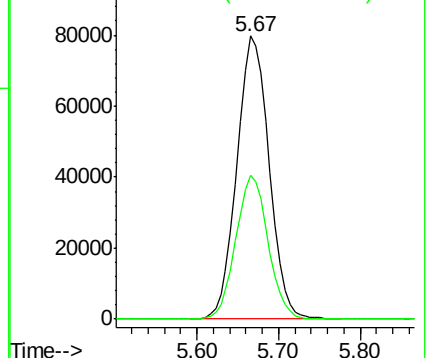
168 100

99 50.6 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.22 ug/l

RT: 1.34 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX002795.D

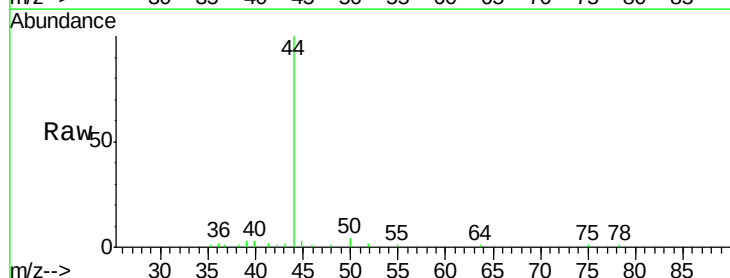
Acq: 21 Jun 2018 18:16

Tgt Ion: 50 Resp: 613

Ion Ratio Lower Upper

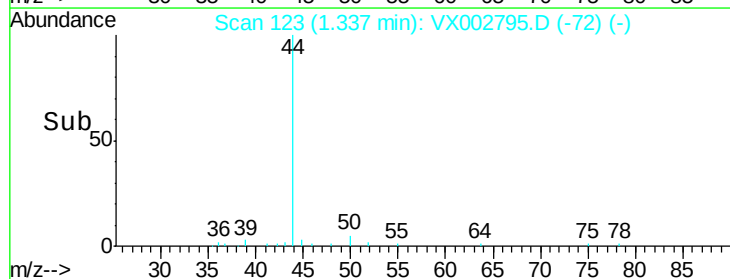
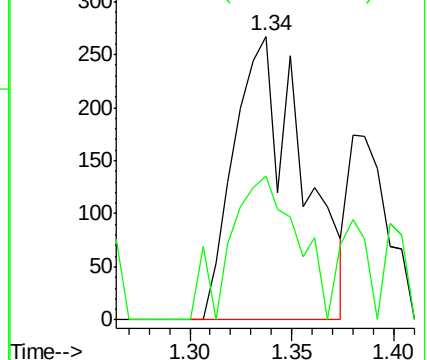
50 100

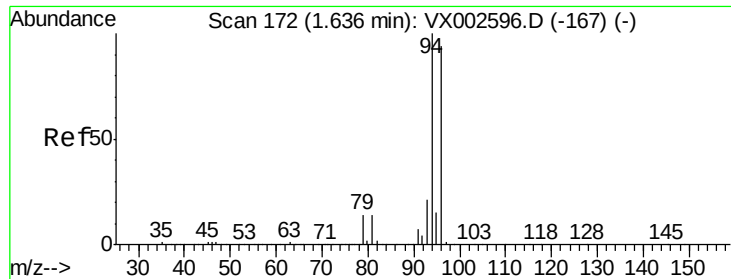
52 50.6 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.48 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX002795.D

Acq: 21 Jun 2018 18:16

Instrument :

MSVOA_X

ClientSampled :

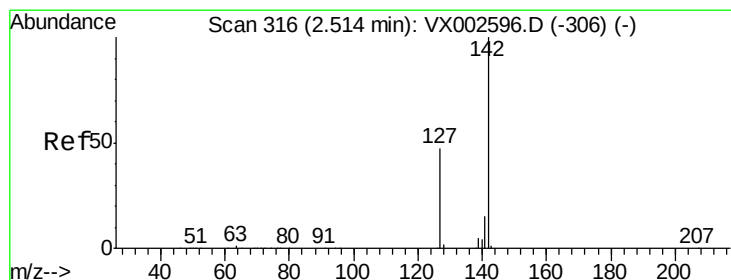
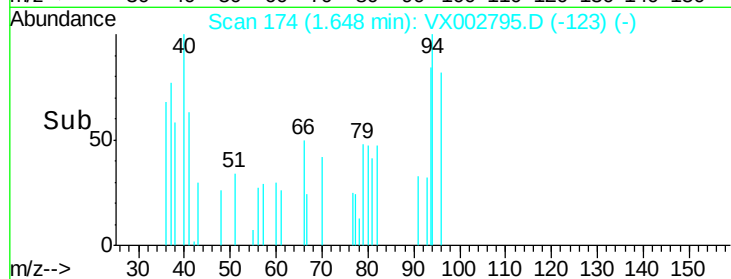
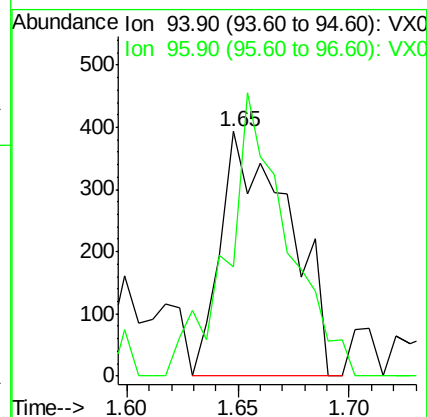
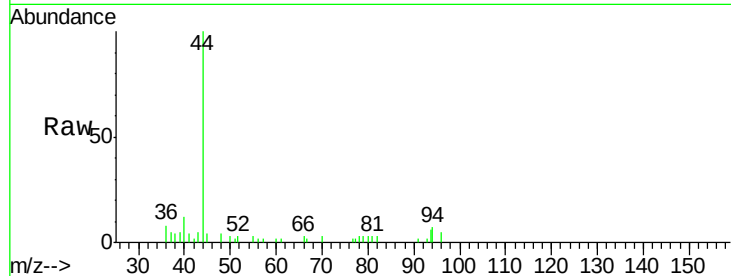
26KV-TP-3

Tot Ion: 94 Resp: 831

Ion Ratio Lower Upper

94 100

96 29.5 74.9 112.3#



#10

Methyl Iodide

Concen: 5.47 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002795.D

Acq: 21 Jun 2018 18:16

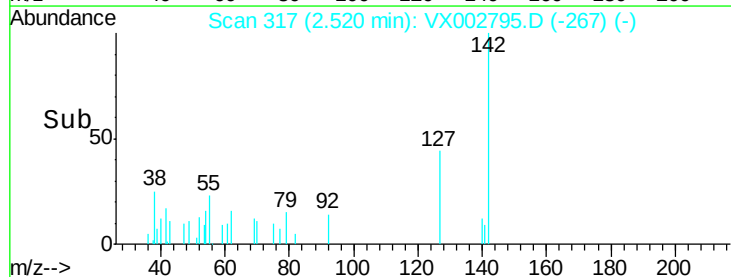
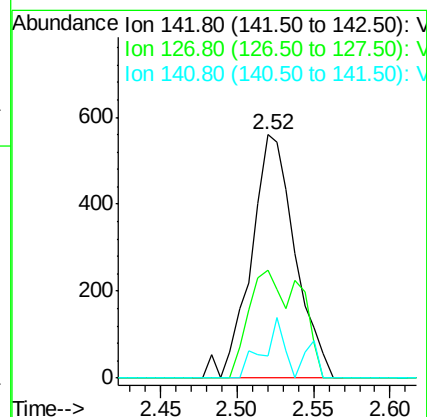
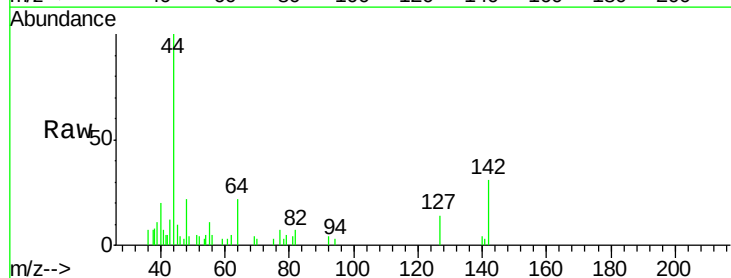
Tgt Ion:142 Resp: 1116

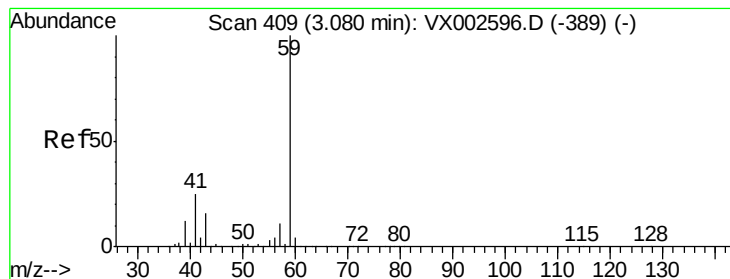
Ion Ratio Lower Upper

142 100

127 35.1 36.6 55.0#

141 12.2 11.3 16.9



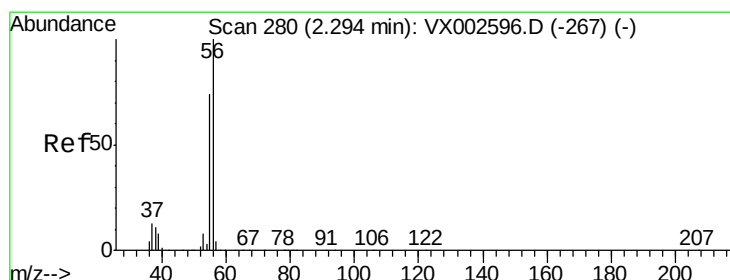
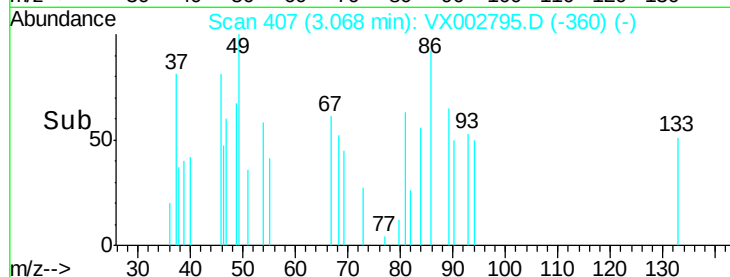
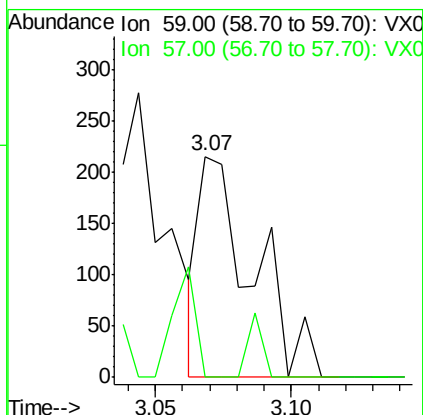
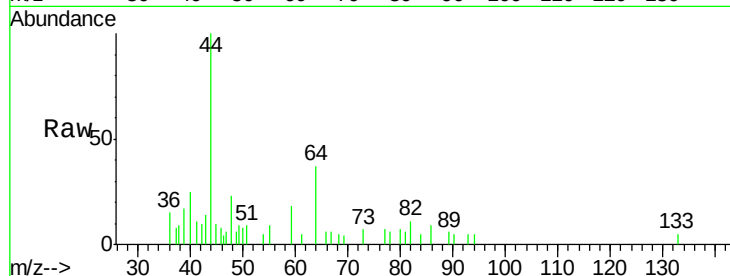


#11

Tert butyl alcohol
Concen: 0.43 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX002795.D
Acq: 21 Jun 2018 18:16

Instrument :
MSVOA_X
ClientSampled :
26KV-TP-3

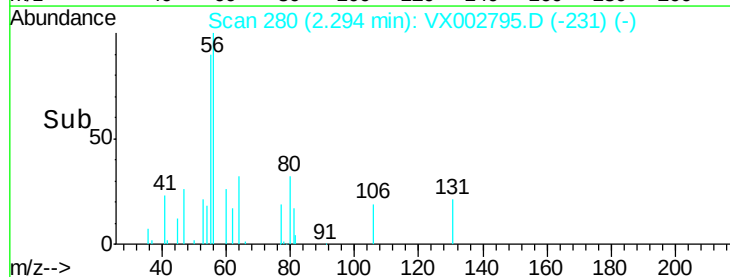
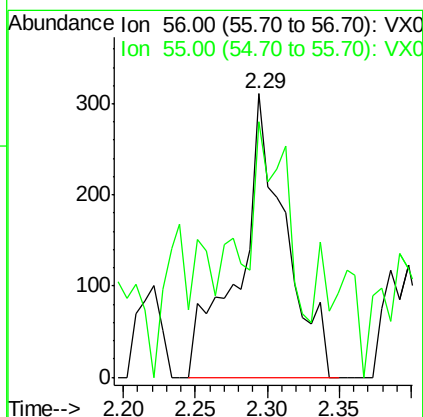
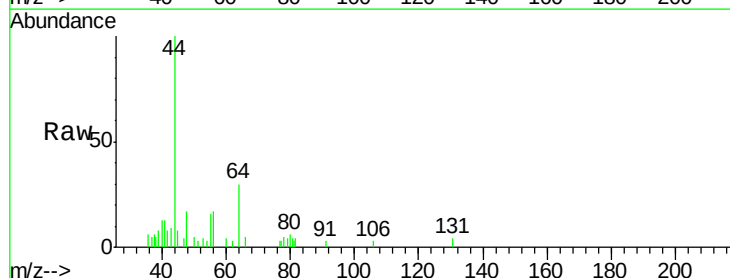
Tot Ion: 59 Resp: 293
Ion Ratio Lower Upper
59 100
57 20.8 8.2 12.2#

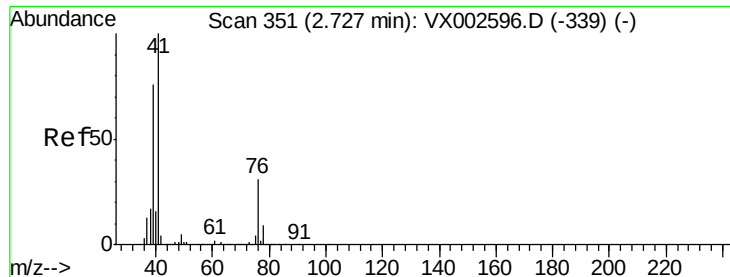


#13

Acrolein
Concen: 8.93 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX002795.D
Acq: 21 Jun 2018 18:16

Tgt Ion: 56 Resp: 684
Ion Ratio Lower Upper
56 100
55 76.0 57.0 85.4

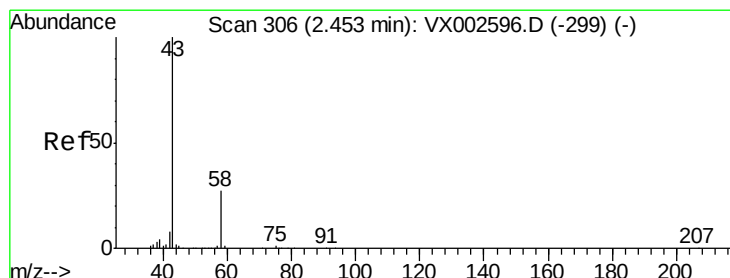
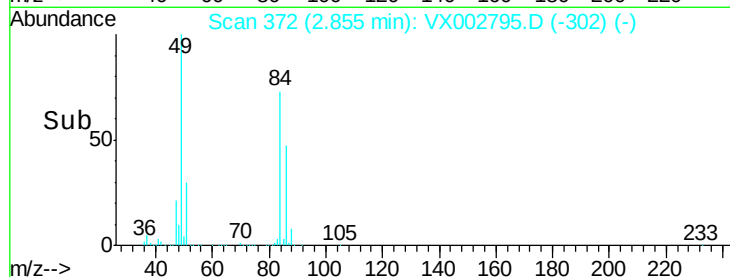
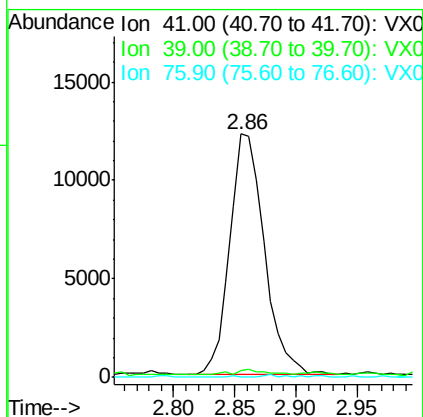
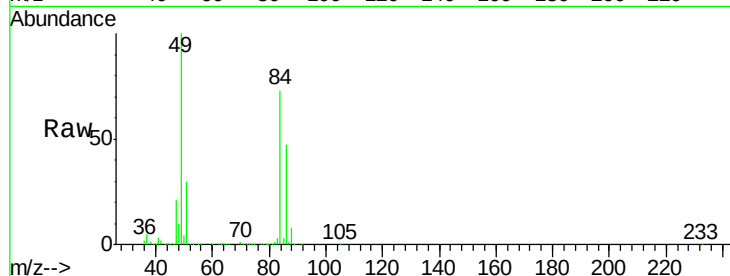




#14
Allvl chloride
Concen: 4.93 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.13 min
Lab File: VX002795.D
Acq: 21 Jun 2018 18:16

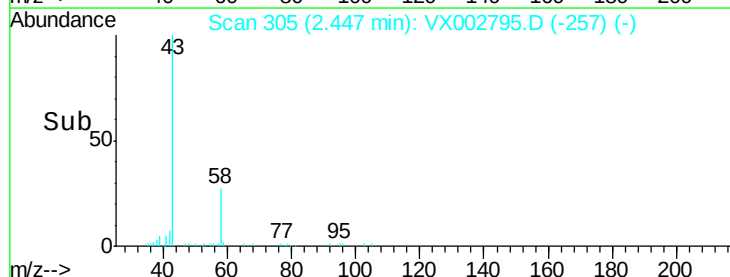
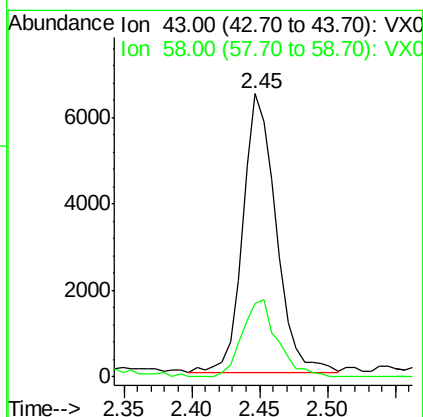
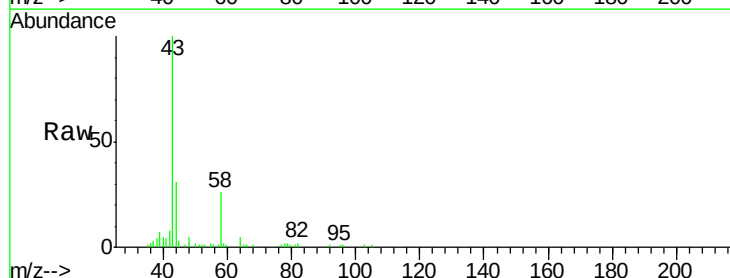
Instrument :
MSVOA_X
ClientSampleId :
26KV-TP-3

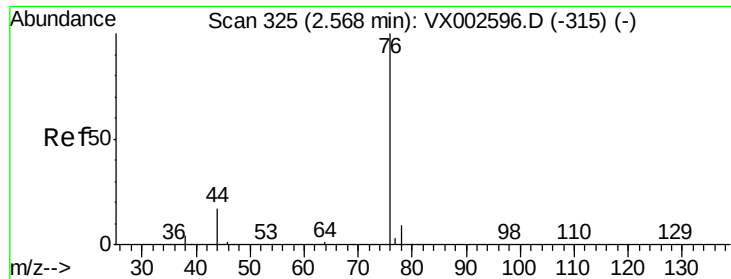
Tot Ion: 41 Resp: 23920
Ion Ratio Lower Upper
41 100
39 1.9 56.8 85.2#
76 0.0 23.8 35.8#



#16
Acetone
Concen: 7.54 ug/l
RT: 2.45 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX002795.D
Acq: 21 Jun 2018 18:16

Tgt Ion: 43 Resp: 11055
Ion Ratio Lower Upper
43 100
58 26.5 22.1 33.1

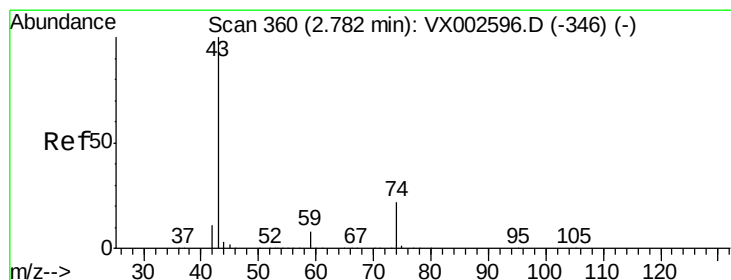
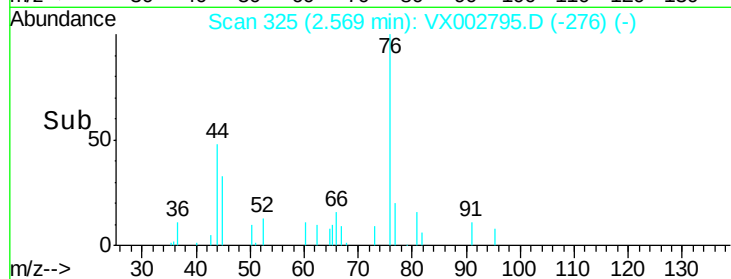
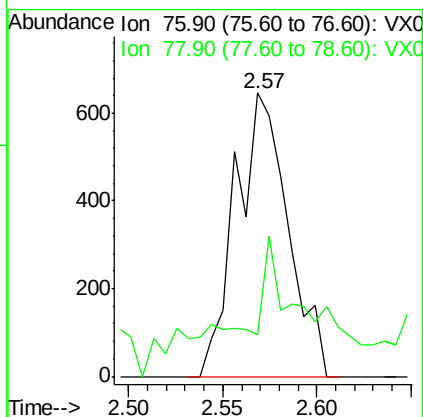
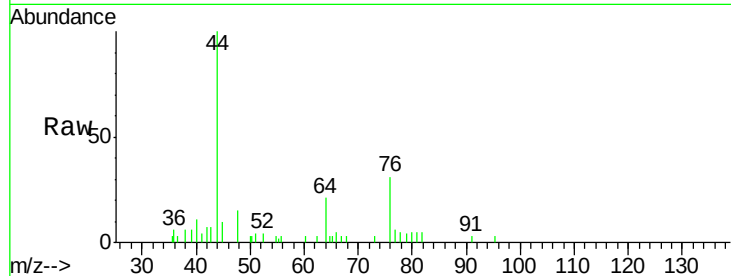




#17
Carbon Disulfide
Concen: 0.21 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX002795.D
Acq: 21 Jun 2018 18:16

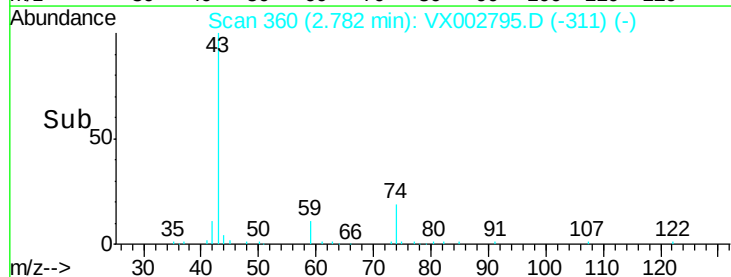
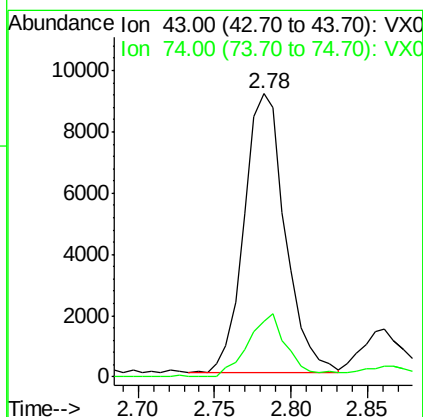
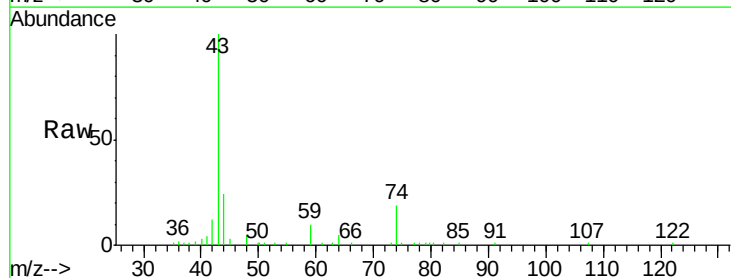
Instrument :
MSVOA_X
ClientSampleId :
26KV-TP-3

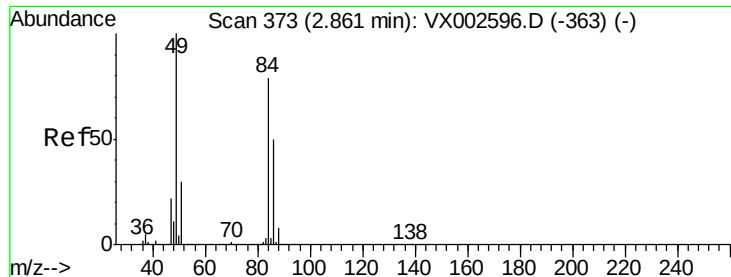
Tot Ion: 76 Resp: 1242
Ion Ratio Lower Upper
76 100
78 1.4 6.9 10.3#



#18
Methyl Acetate
Concen: 4.35 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002795.D
Acq: 21 Jun 2018 18:16

Tgt Ion: 43 Resp: 16978
Ion Ratio Lower Upper
43 100
74 21.7 16.7 25.1

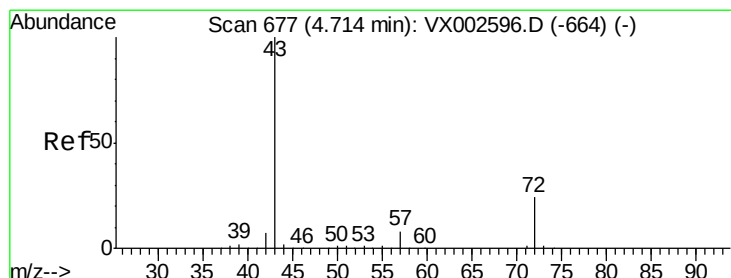
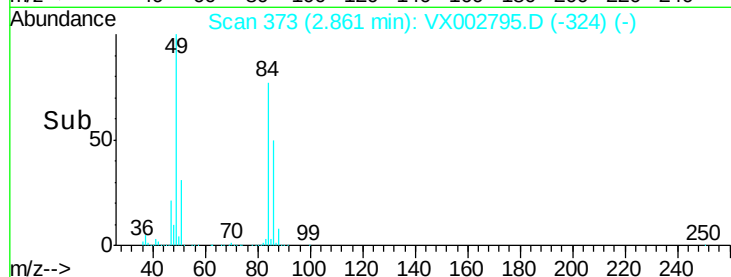
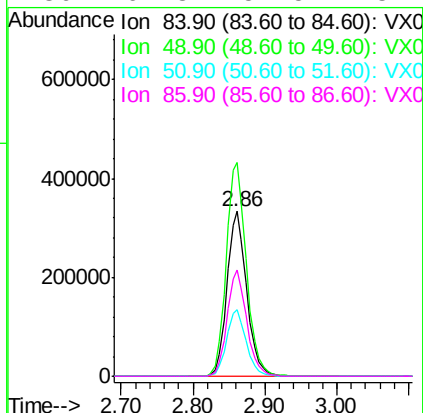
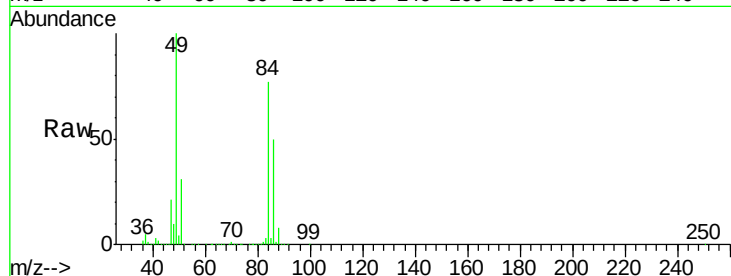




#20
Methylene Chloride
Concen: 210.52 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002795.D
Acq: 21 Jun 2018 18:16

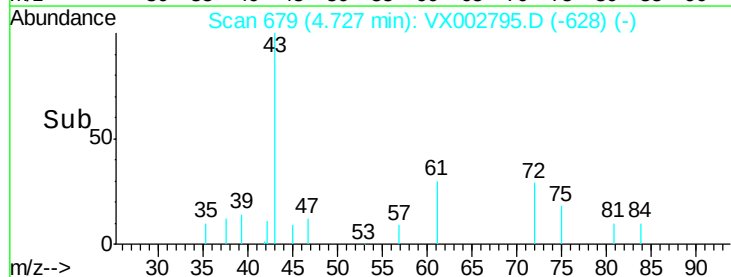
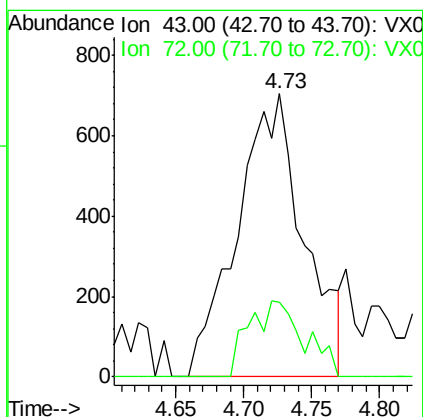
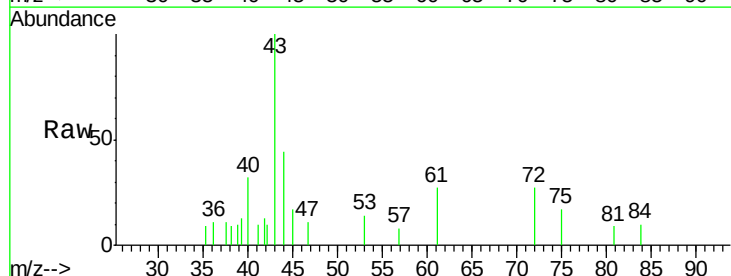
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26KV-TP-3

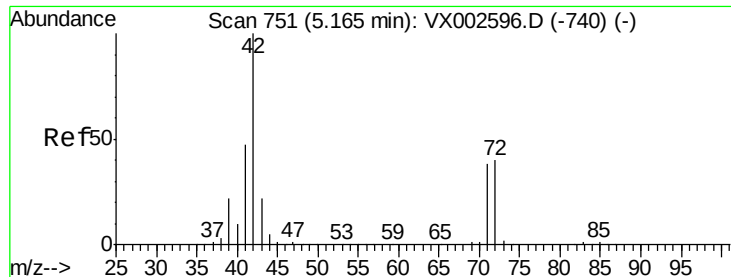
Tot Ion: 84 Resp: 632833
Ion Ratio Lower Upper
84 100
49 129.7 107.8 161.6
51 40.2 32.8 49.2
86 64.8 52.5 78.7



#25
2-Butanone
Concen: 1.25 ug/l
RT: 4.73 min Scan# 679
Delta R.T. 0.01 min
Lab File: VX002795.D
Acq: 21 Jun 2018 18:16

Tgt Ion: 43 Resp: 2405
Ion Ratio Lower Upper
43 100
72 26.6 18.5 27.7

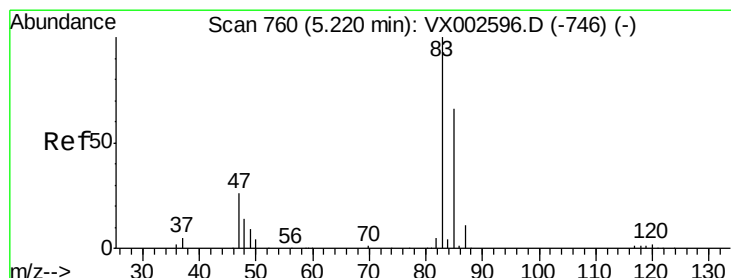
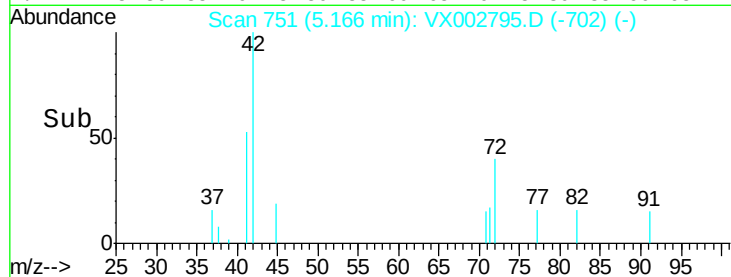
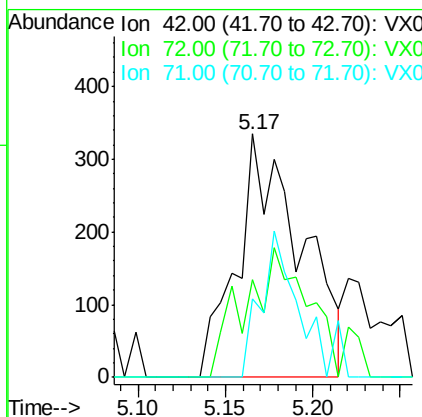
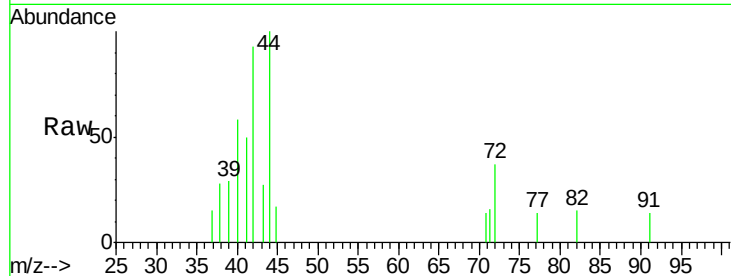




#29
Tetrahydrofuran
Concen: 0.68 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX002795.D
Acq: 21 Jun 2018 18:16

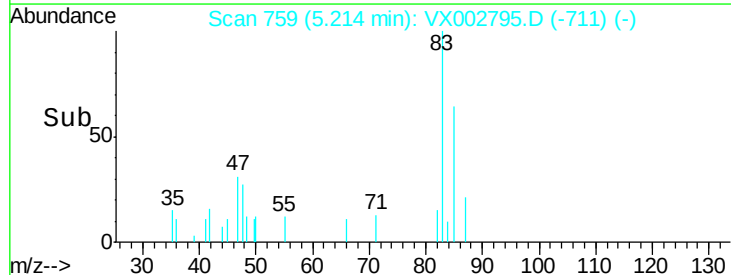
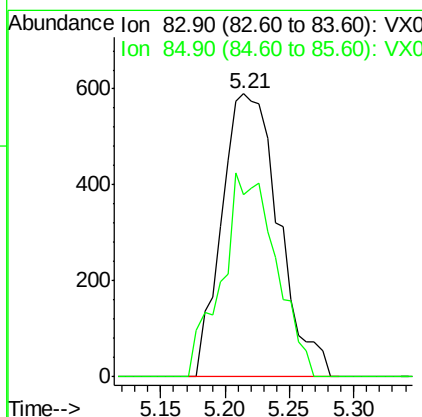
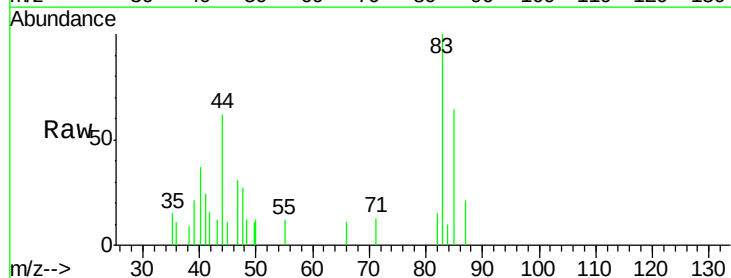
Instrument :
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ClientSampled :
26KV-TP-3

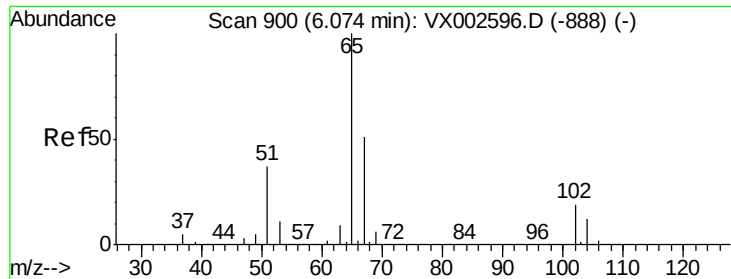
Tot Ion: 42 Resp: 855
Ion Ratio Lower Upper
42 100
72 10.5 32.0 48.0#
71 0.0 30.1 45.1#



#30
Chloroform
Concen: 0.39 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX002795.D
Acq: 21 Jun 2018 18:16

Tgt Ion: 83 Resp: 1811
Ion Ratio Lower Upper
83 100
85 64.4 50.4 75.6

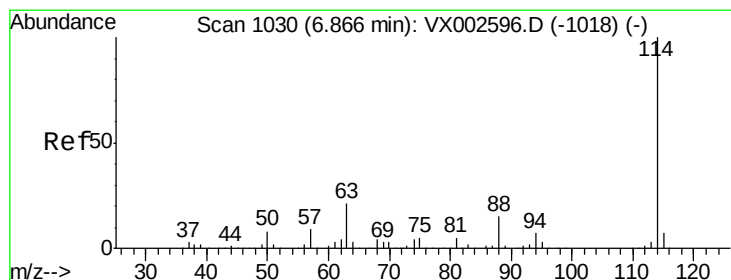
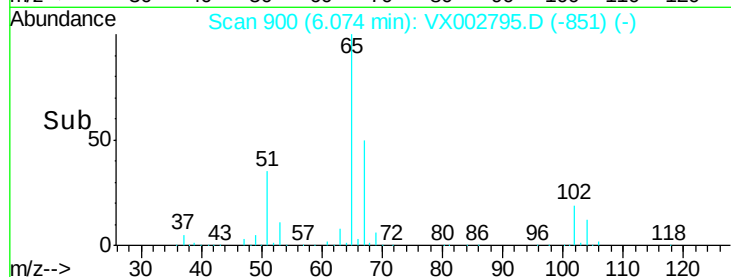
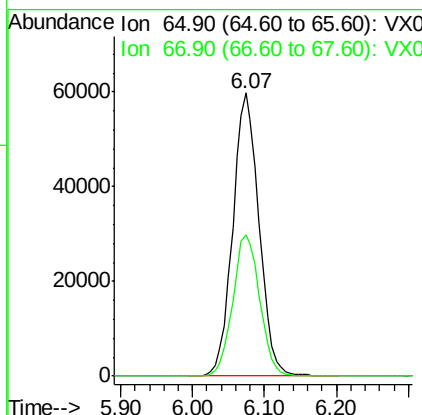
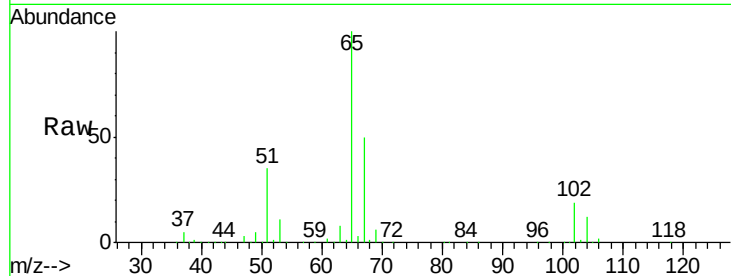




#33
 1,2-Dichloroethane-d4
 Concen: 45.45 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002795.D
 Acq: 21 Jun 2018 18:16

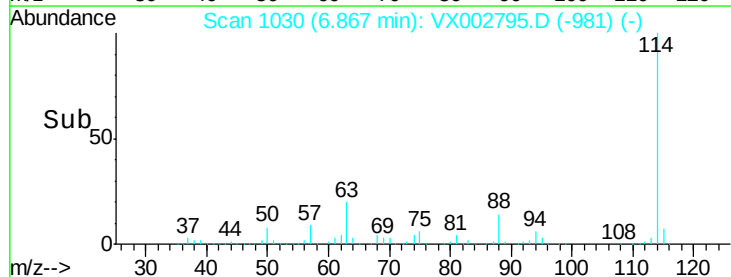
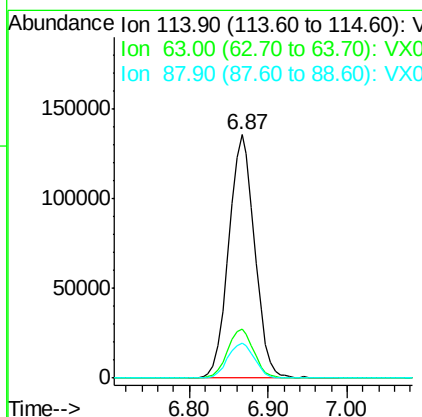
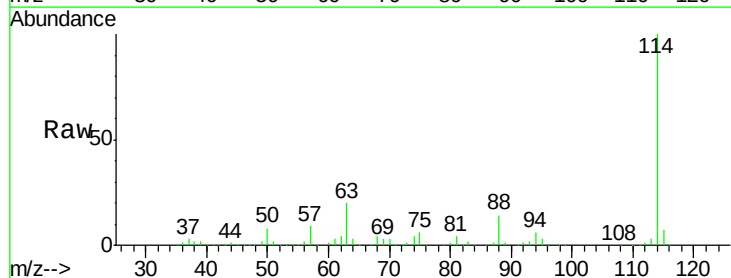
Instrument :
 MSVOA_X
 ClientSampleId :
 26KV-TP-3

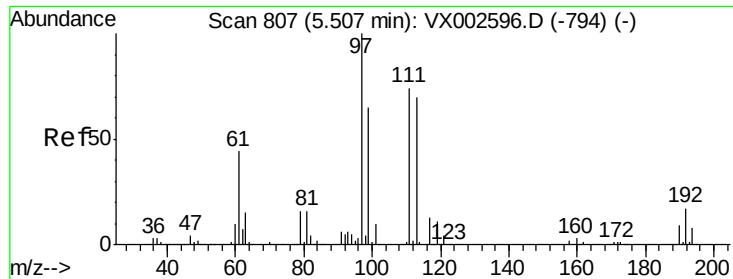
Tot Ion: 65 Resp: 151043
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002795.D
 Acq: 21 Jun 2018 18:16

Tgt Ion: 114 Resp: 309443
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.4
 88 14.4 0.0 30.0

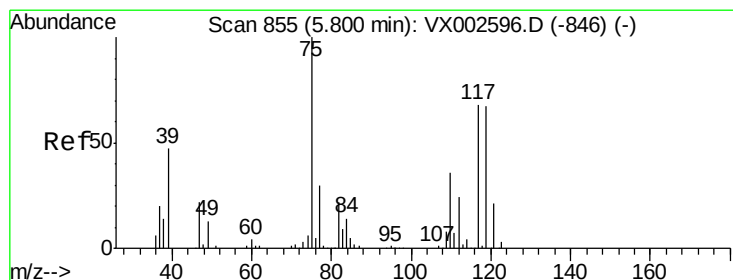
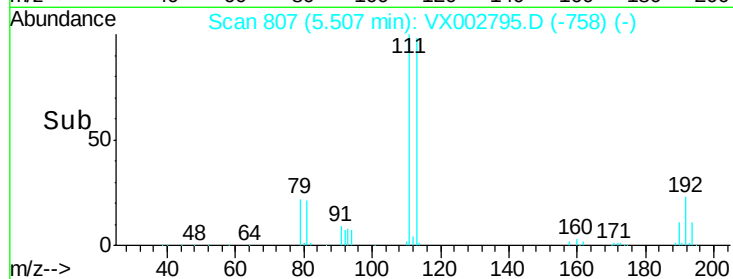
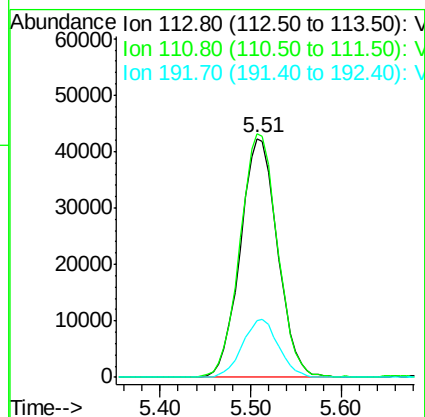
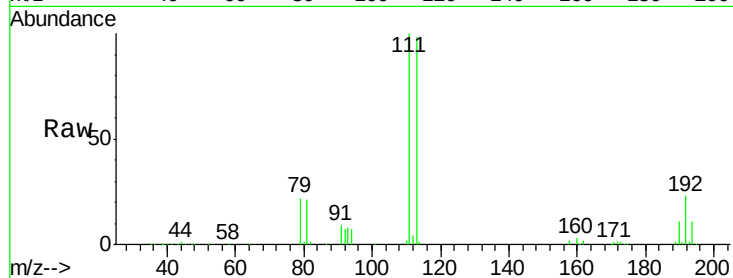




#35
Dibromofluoromethane
Concen: 48.67 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX002795.D
Acq: 21 Jun 2018 18:16

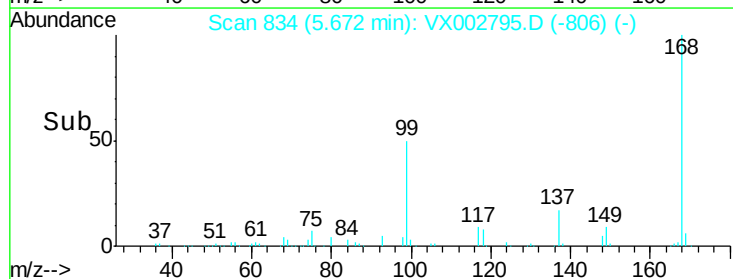
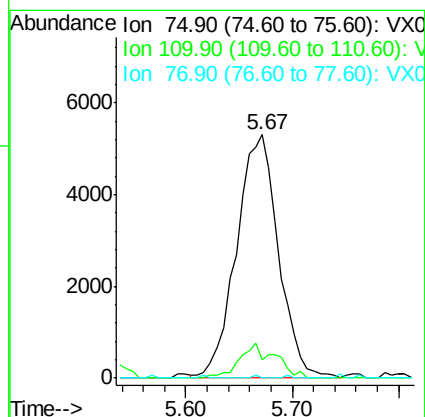
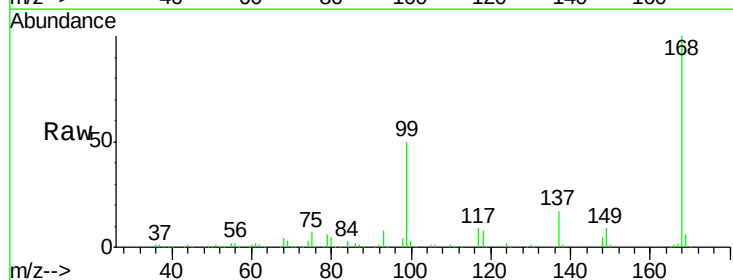
Instrument :
MSVOA_X
ClientSampleId :
26KV-TP-3

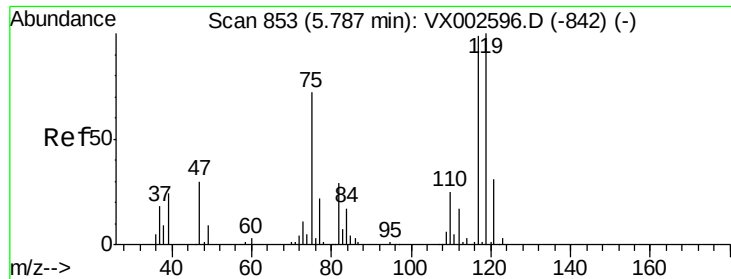
Tot Ion:113 Resp: 120189
Ion Ratio Lower Upper
113 100
111 102.5 81.4 122.0
192 23.7 19.1 28.7



#36
1,1-Dichloropropene
Concen: 4.47 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.13 min
Lab File: VX002795.D
Acq: 21 Jun 2018 18:16

Tgt Ion: 75 Resp: 14679
Ion Ratio Lower Upper
75 100
110 12.1 18.1 54.4#
77 0.1 24.3 36.5#

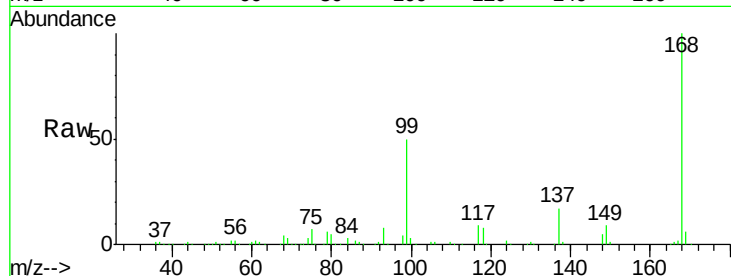




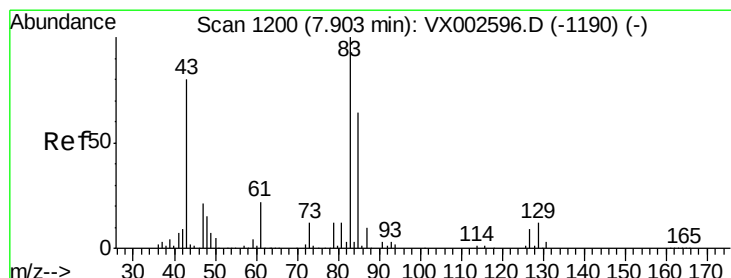
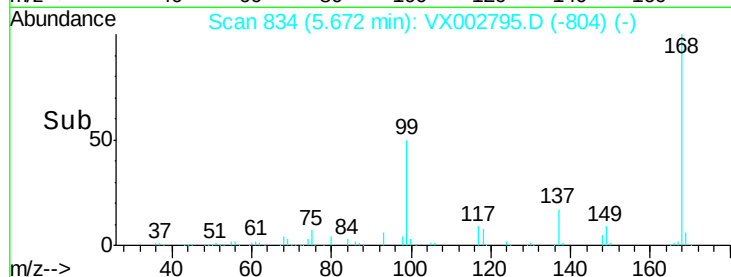
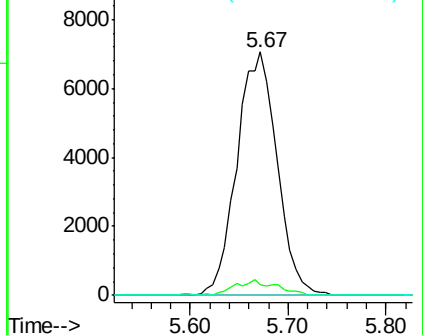
#38
Carbon Tetrachloride
Concen: 6.14 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX002795.D
Acq: 21 Jun 2018 18:16

Instrument :
MSVOA_X
ClientSampleId :
26KV-TP-3

Tot Ion:117 Resp: 20097
Ion Ratio Lower Upper
117 100
119 4.2 77.4 116.0#
121 0.0 24.4 36.6#

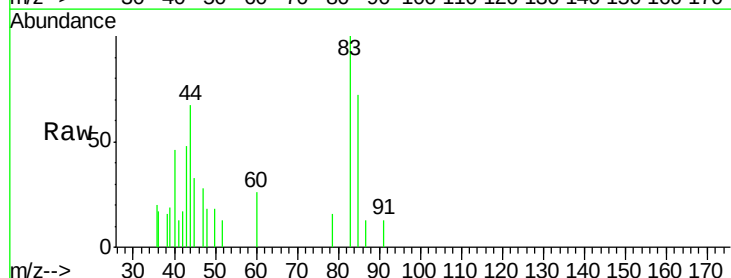


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

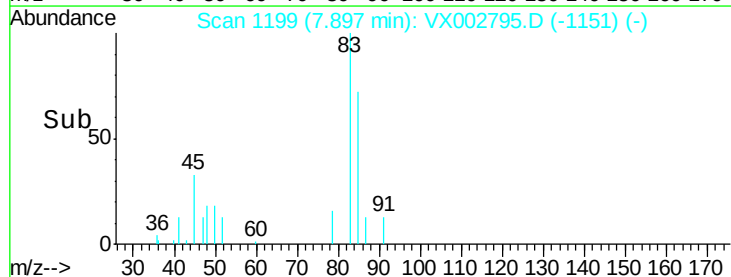
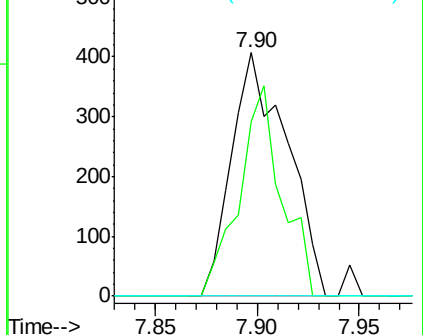


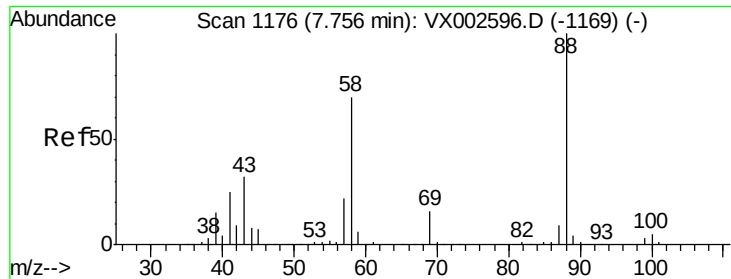
#47
Bromodichloromethane
Concen: 0.25 ug/l
RT: 7.90 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VX002795.D
Acq: 21 Jun 2018 18:16

Tgt Ion: 83 Resp: 770
Ion Ratio Lower Upper
83 100
85 71.7 50.3 75.5
127 0.0 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

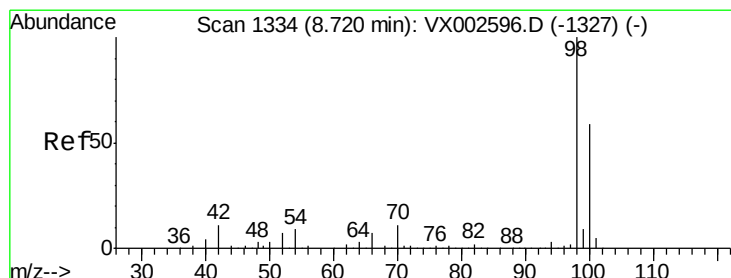
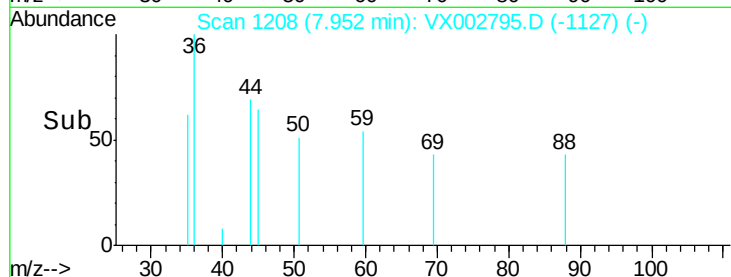
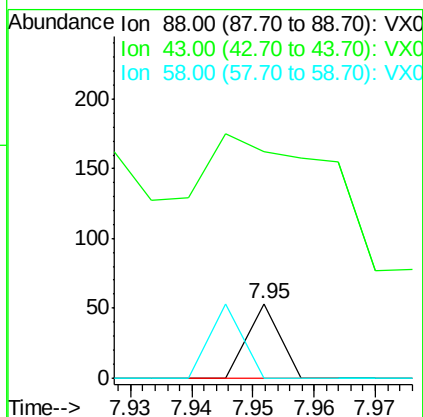
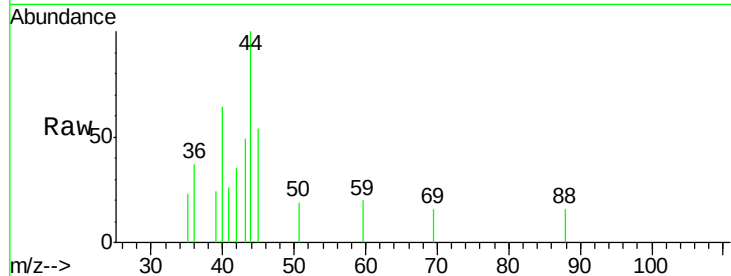




#49
1,4-Dioxane
Concen: 0.32 ug/l
RT: 7.95 min Scan# 1208
Delta R.T. 0.20 min
Lab File: VX002795.D
Acq: 21 Jun 2018 18:16

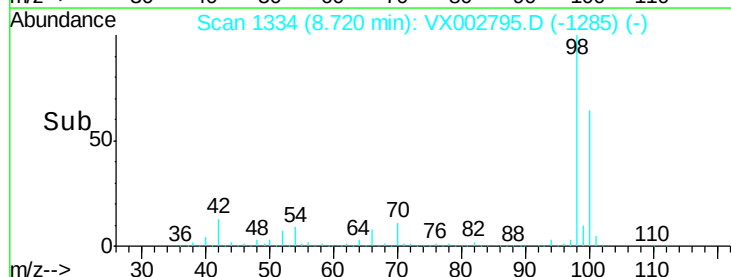
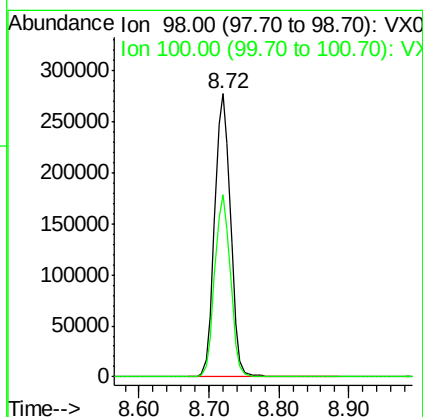
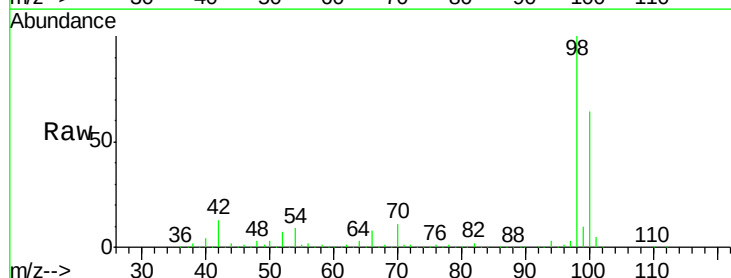
Instrument :
MSVOA_X
ClientSampleId :
26KV-TP-3

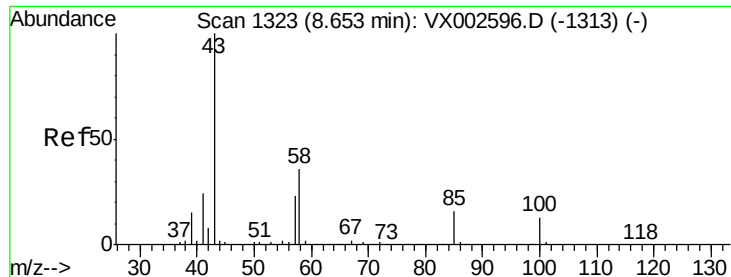
Tot Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 757.9 29.8 44.6#
58 100.0 57.1 85.7#



#50
Toluene-d8
Concen: 46.82 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002795.D
Acq: 21 Jun 2018 18:16

Tgt Ion: 98 Resp: 439074
Ion Ratio Lower Upper
98 100
100 63.9 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 0.20 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VX002795.D

Acq: 21 Jun 2018 18:16

Instrument :

MSVOA_X

ClientSampled :

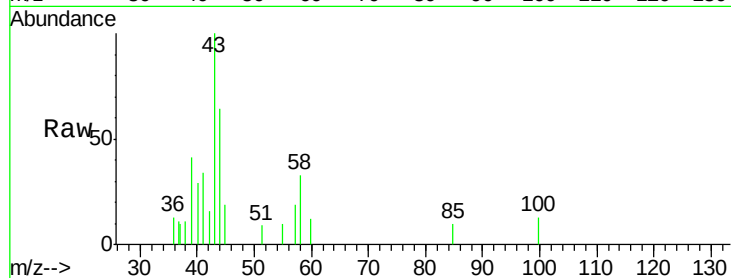
26KV-TP-3

Tot Ion: 43 Resp: 804

Ion Ratio Lower Upper

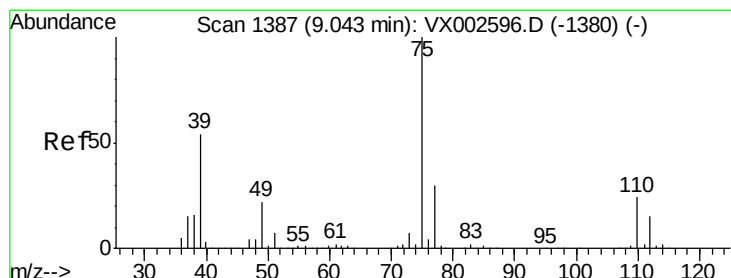
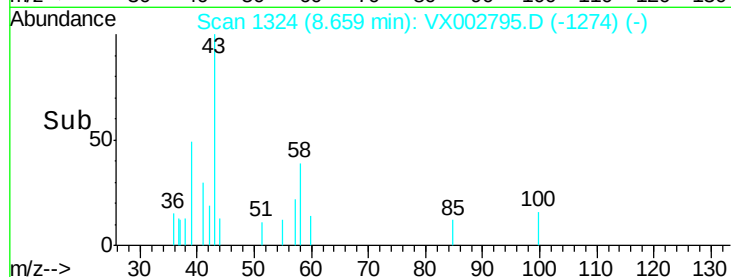
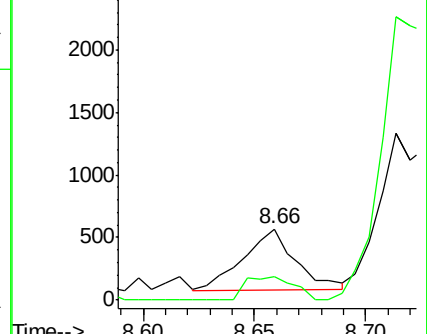
43 100

58 35.6 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#54

cis-1,3-Dichloropropene

Concen: 3.23 ug/l

RT: 9.06 min Scan# 1389

Delta R.T. 0.01 min

Lab File: VX002795.D

Acq: 21 Jun 2018 18:16

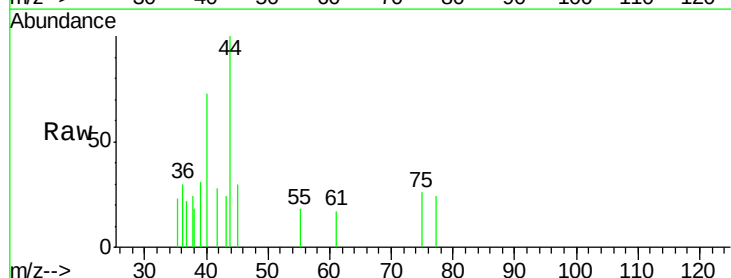
Tgt Ion: 75 Resp: 90

Ion Ratio Lower Upper

75 100

77 94.0 24.8 37.2#

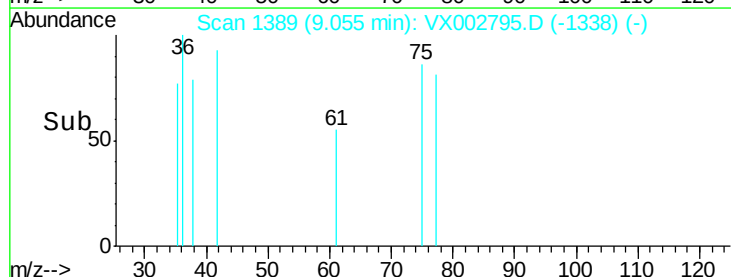
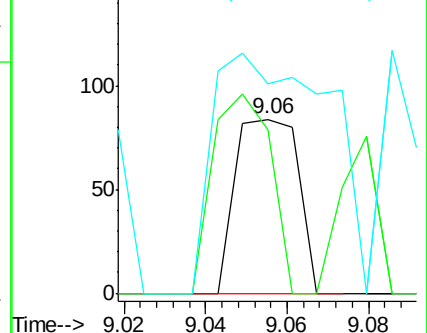
39 120.2 42.4 63.6#

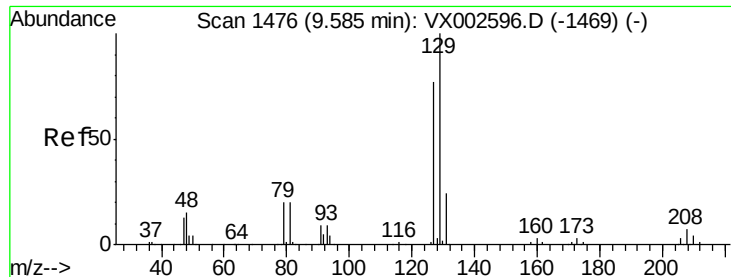


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#60

Dibromochloromethane

Concen: 3.85 ug/l

RT: 9.59 min Scan# 1477

Delta R.T. 0.01 min

Lab File: VX002795.D

Acq: 21 Jun 2018 18:16

Instrument :

MSVOA_X

ClientSampleId :

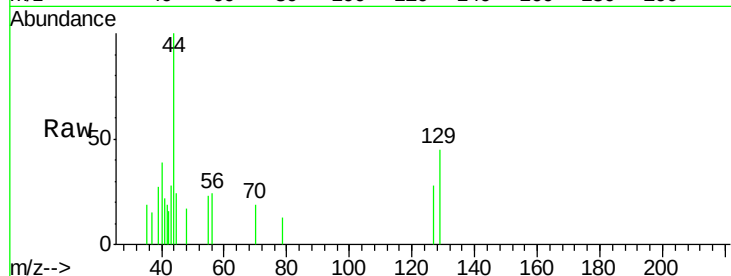
26KV-TP-3

Tot Ion:129 Resp: 274

Ion Ratio Lower Upper

129 100

127 83.6 38.5 115.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.59

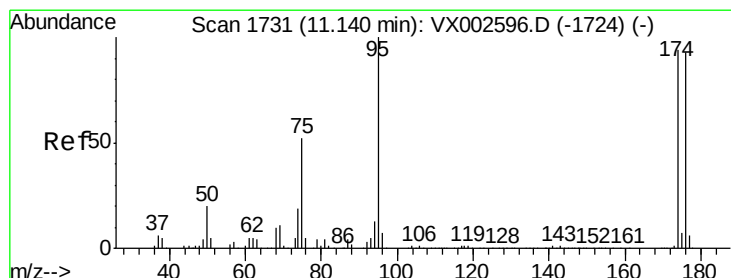
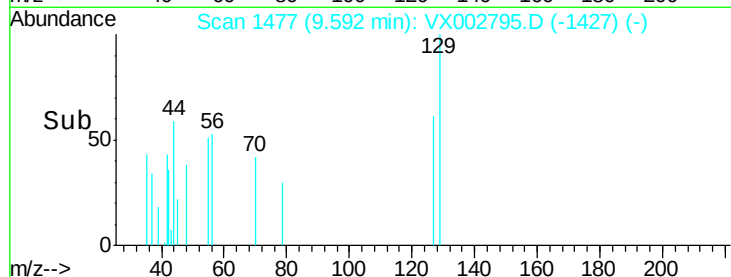
150

100

50

0

Time-->



#62

4-Bromofluorobenzene

Concen: 42.83 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002795.D

Acq: 21 Jun 2018 18:16

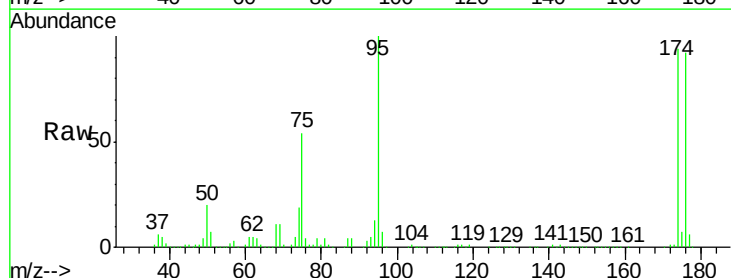
Tgt Ion: 95 Resp: 152205

Ion Ratio Lower Upper

95 100

174 97.8 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

11.14

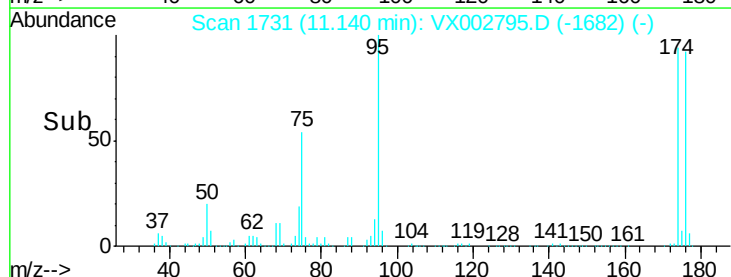
150000

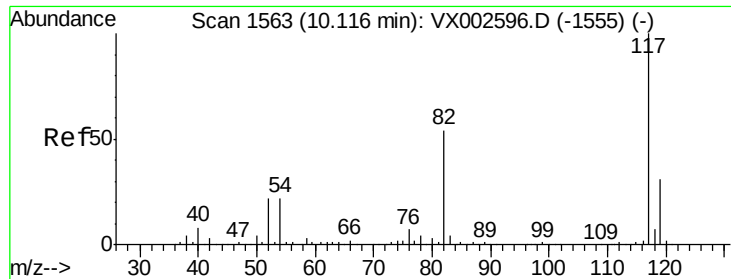
100000

50000

0

Time-->

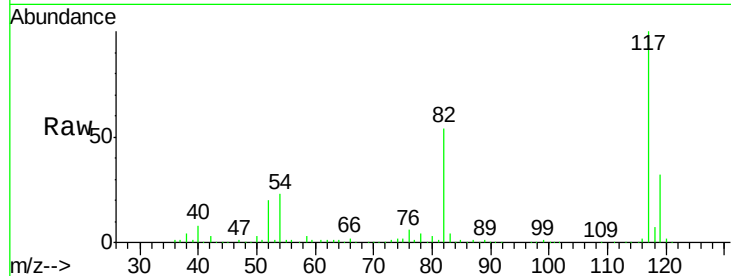




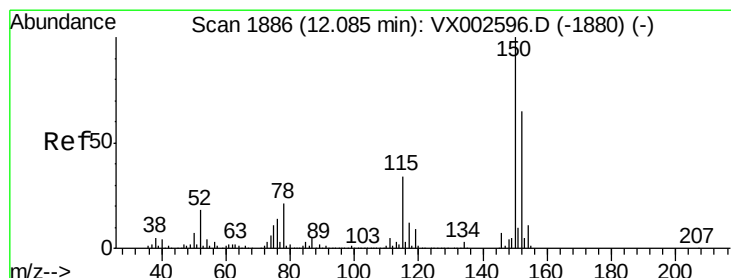
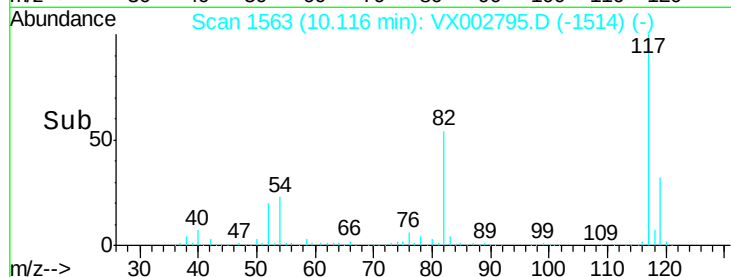
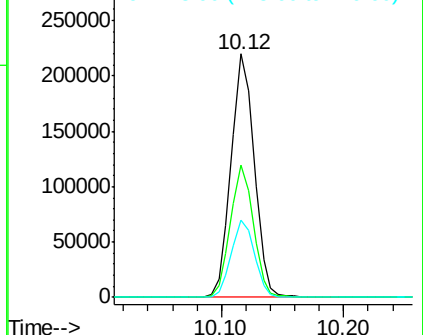
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002795.D
Acq: 21 Jun 2018 18:16

Instrument :
MSVOA_X
ClientSampleId :
26KV-TP-3

Tot Ion:117 Resp: 288221
Ion Ratio Lower Upper
117 100
82 54.1 45.0 67.4
119 31.5 25.8 38.6

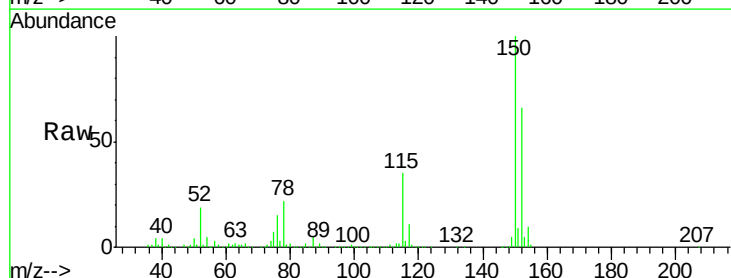


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

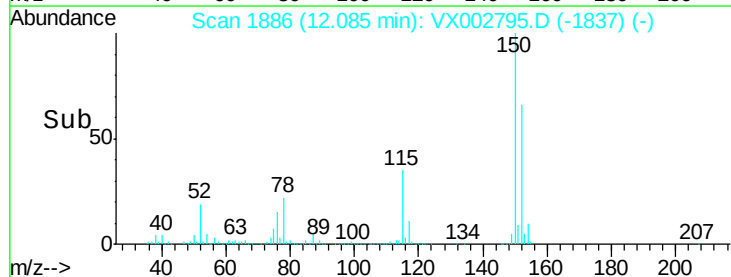
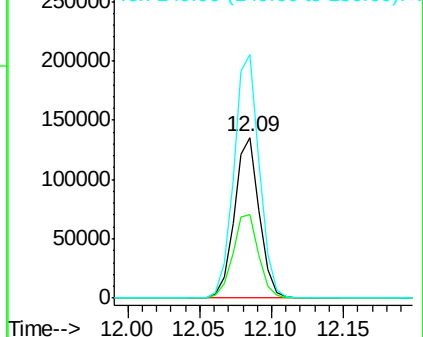


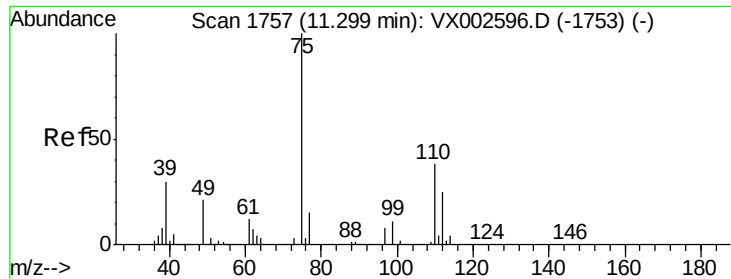
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX002795.D
Acq: 21 Jun 2018 18:16

Tgt Ion:152 Resp: 163069
Ion Ratio Lower Upper
152 100
115 54.1 40.1 120.2
150 155.7 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

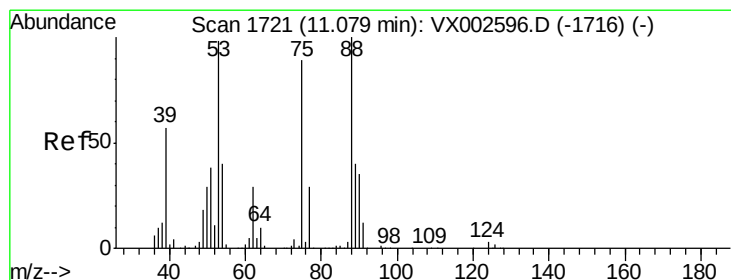
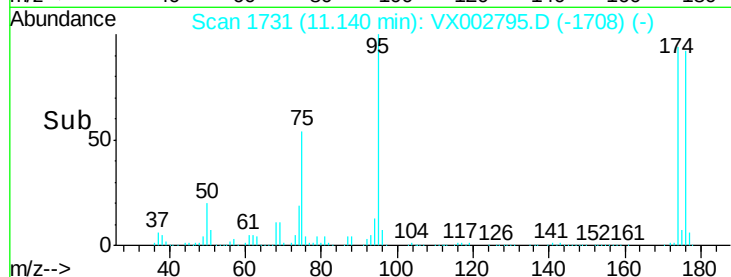
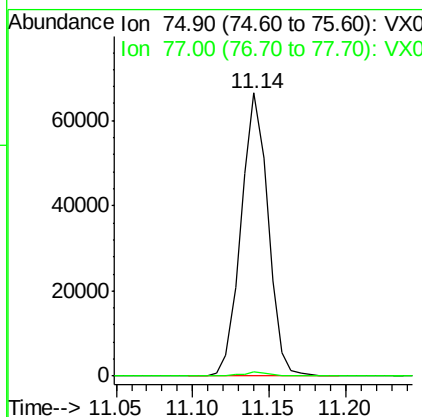
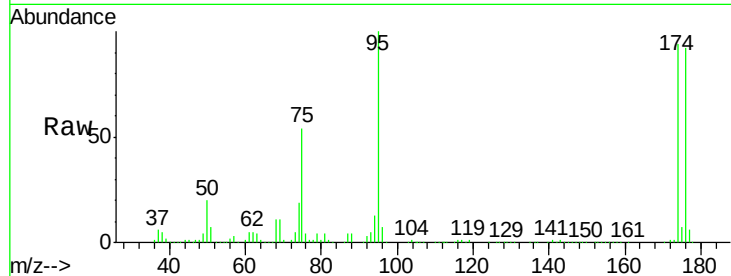




#76
 1,2,3-Trichloropropane
 Concen: 26.50 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002795.D
 Acq: 21 Jun 2018 18:16

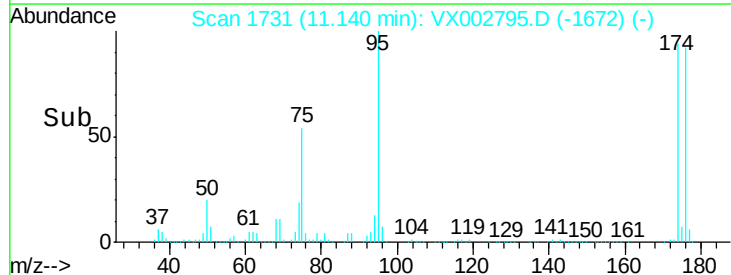
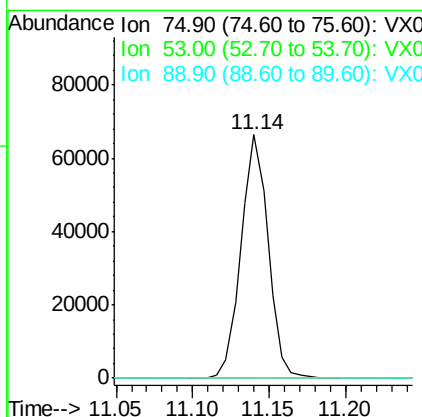
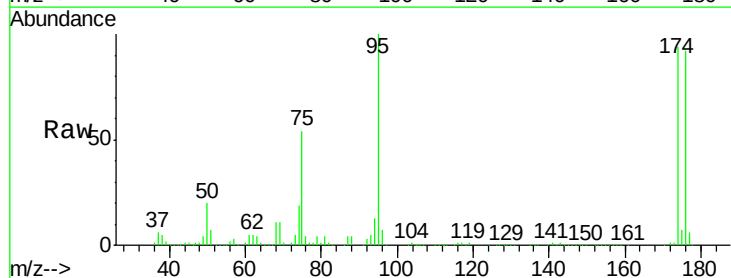
Instrument :
 MSVOA_X
 ClientSampled :
 26KV-TP-3

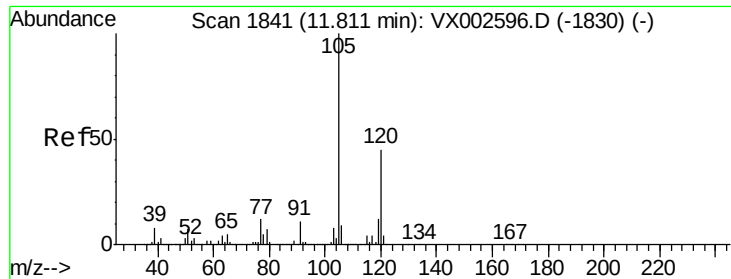
Tot Ion: 75 Resp: 81529
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.87 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002795.D
 Acq: 21 Jun 2018 18:16

Tgt Ion: 75 Resp: 81529
 Ion Ratio Lower Upper
 75 100
 53 0.3 86.8 130.2#
 89 0.0 38.2 57.2#

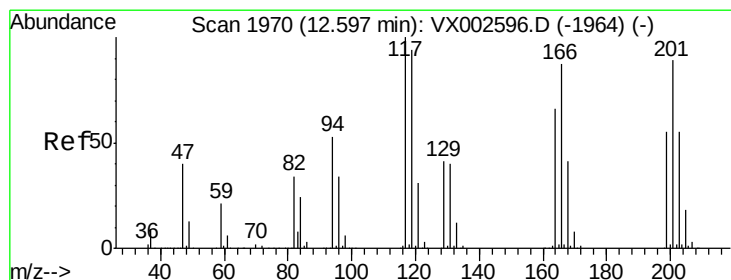
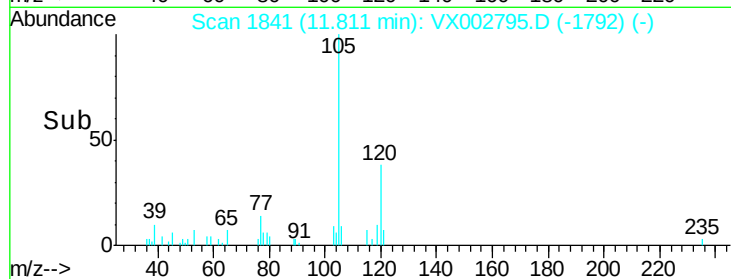
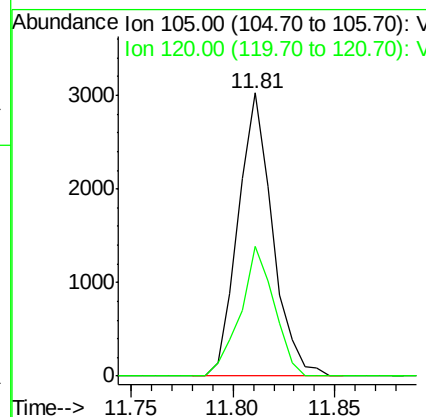
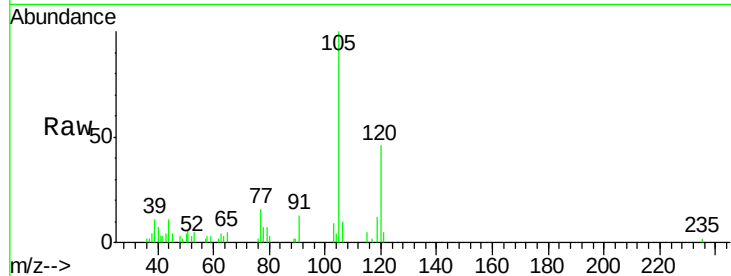




#84
 1,2,4-Trimethylbenzene
 Concen: 0.38 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002795.D
 Acq: 21 Jun 2018 18:16

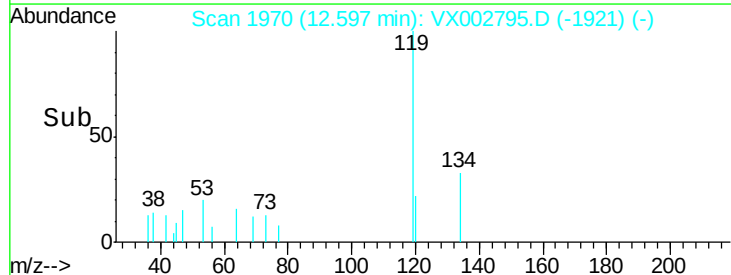
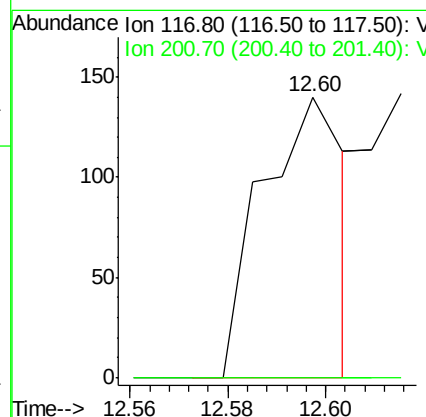
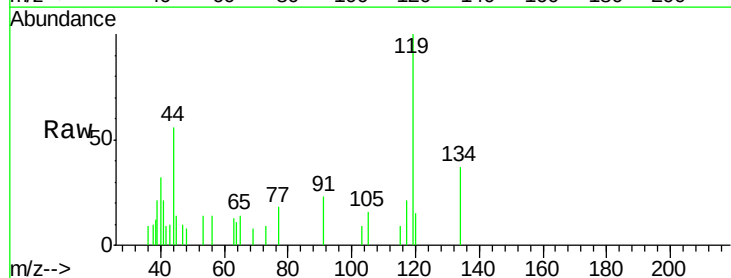
Instrument :
 MSVOA_X
 ClientSampled :
 26KV-TP-3

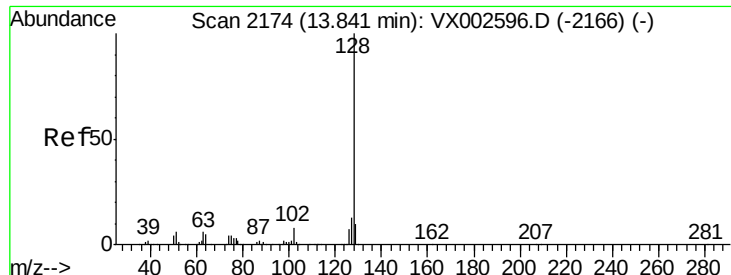
Tot Ion:105 Resp: 3529
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.3 66.8



#90
 Hexachloroethane
 Concen: 2.73 ug/l
 RT: 12.60 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VX002795.D
 Acq: 21 Jun 2018 18:16

Tgt Ion:117 Resp: 165
 Ion Ratio Lower Upper
 117 100
 201 0.0 49.0 147.0#

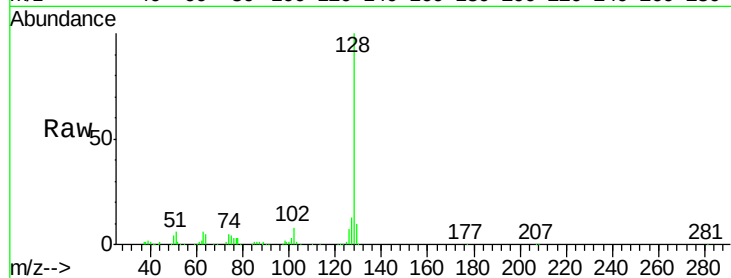




#95
Naphthalene
Concen: 5.34 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX002795.D
Acq: 21 Jun 2018 18:16

Instrument :
MSVOA_X
ClientSampleId :
26KV-TP-3

Tot Ion:128 Resp: 58473
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

