

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032919\
 Data File : VN054776.D
 Acq On : 29 Mar 2019 17:59
 Operator : JC/SP
 Sample : K2107-11
 Misc : 1.77g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-6

Quant Time: Mar 30 03:09:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	475765	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	779400	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	675401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	271991	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	317564	49.52	ug/l	0.00
Spiked Amount						
			Recovery	=	99.04%	
35) Dibromofluoromethane	7.59	113	240455	46.28	ug/l	0.00
Spiked Amount						
			Recovery	=	92.56%	
50) Toluene-d8	10.09	98	951010	49.23	ug/l	0.00
Spiked Amount						
			Recovery	=	98.46%	
62) 4-Bromofluorobenzene	12.40	95	304003	47.32	ug/l	0.00
Spiked Amount						
			Recovery	=	94.64%	

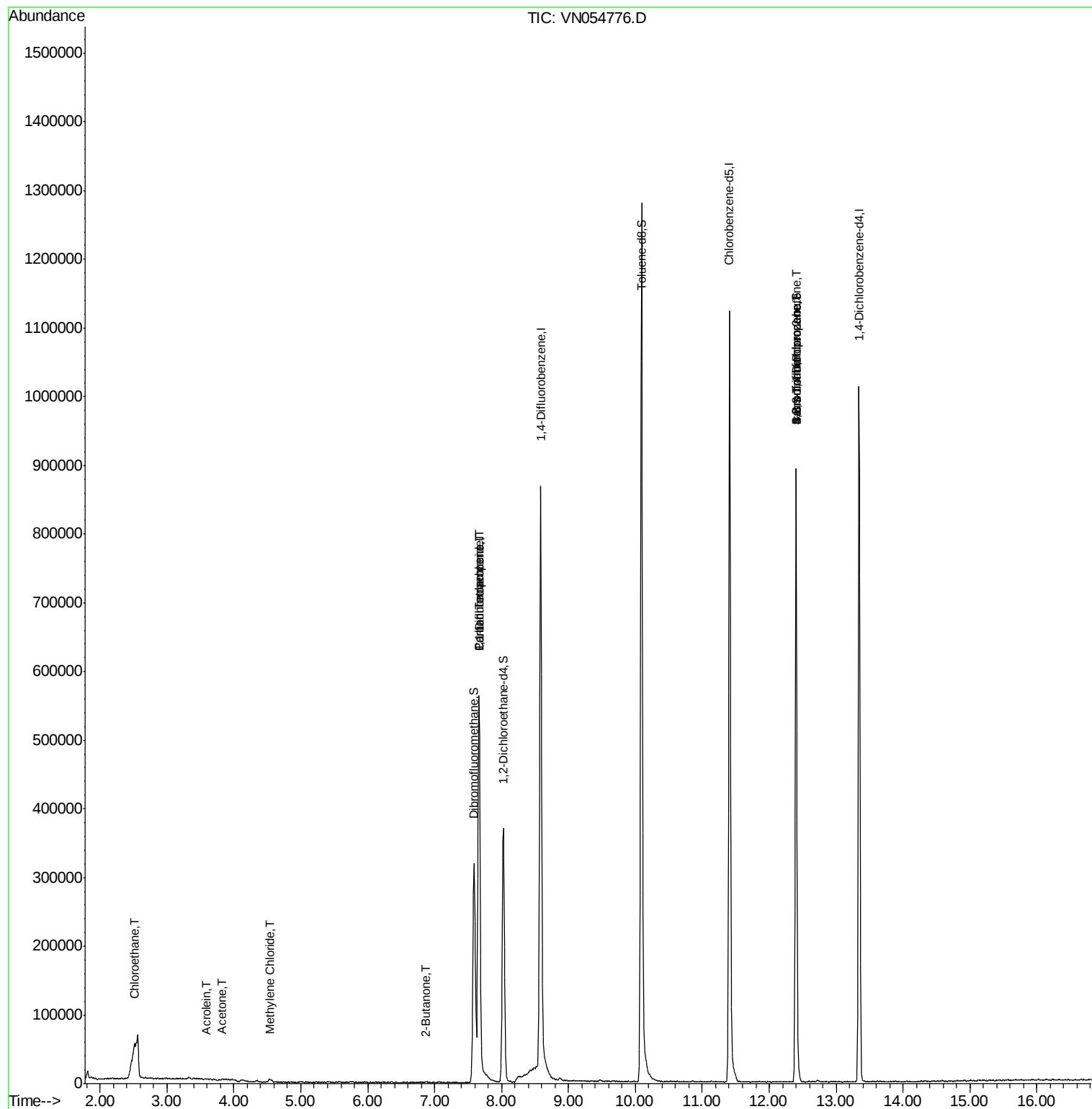
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	67	Below Cal		93
6) Chloroethane	2.52	64	679	0.203 ug/l #		43
13) Acrolein	3.60	56	225	0.753 ug/l		100
16) Acetone	3.82	43	452	0.296 ug/l #		38
18) Methyl Acetate	4.34	43	2919	Below Cal #		74
20) Methylene Chloride	4.53	84	1286	0.238 ug/l #		89
25) 2-Butanone	6.87	43	928	0.410 ug/l #		46
31) Cyclohexane	7.66	56	10643	Below Cal #		13
36) 1,1-Dichloropropene	7.66	75	36641	5.045 ug/l #		48
38) Carbon Tetrachloride	7.66	117	44542	6.315 ug/l #		16
71) Bromoform	12.40	173	3747	1.292 ug/l #		1
75) 1,1,2,2-Tetrachloroethane	12.40	83	29	Below Cal #		1
76) 1,2,3-Trichloropropane	12.40	75	155838	32.981 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	155838	128.287 ug/l #		11
83) tert-Butylbenzene	12.99	119	59	Below Cal #		28
94) Hexachlorobutadiene	15.01	225	64	Below Cal #		40

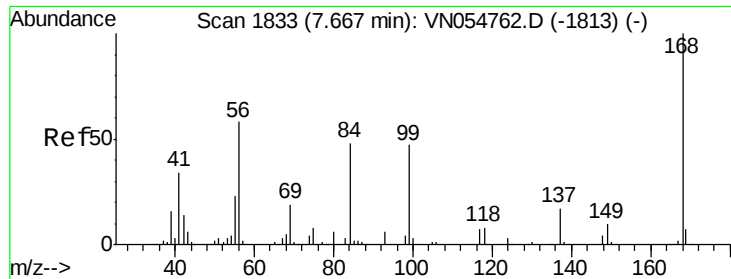
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054776.D

Acq: 29 Mar 2019 17:59

Instrument :

MSVOA_N

ClientSampled :

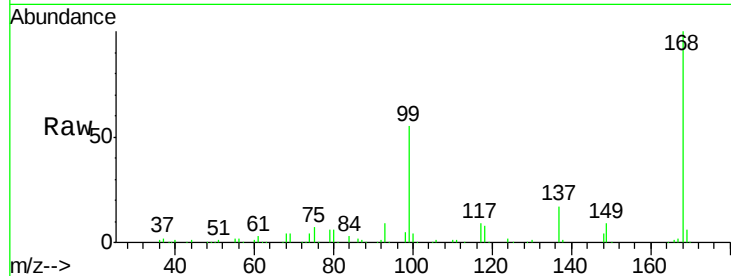
TP-6

Tgt Ion: 168 Resp: 475765

Ion Ratio Lower Upper

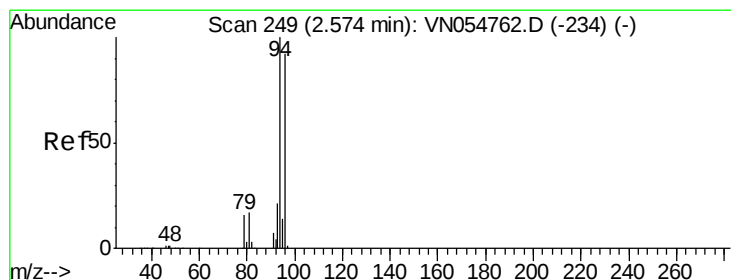
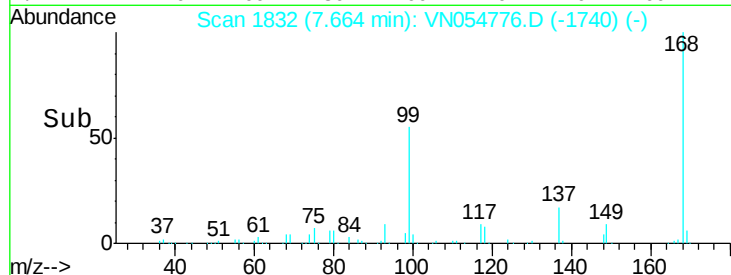
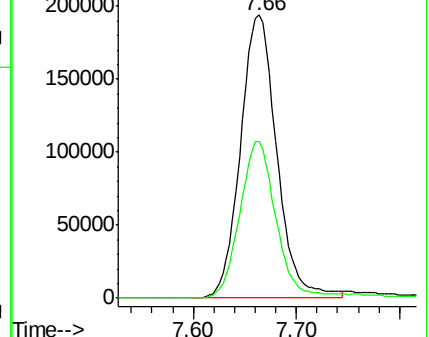
168 100

99 55.4 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 246

Delta R.T. -0.01 min

Lab File: VN054776.D

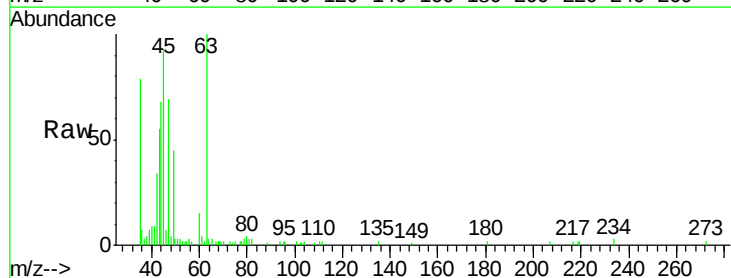
Acq: 29 Mar 2019 17:59

Tgt Ion: 94 Resp: 67

Ion Ratio Lower Upper

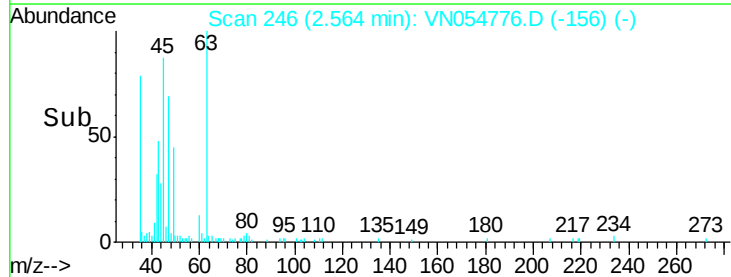
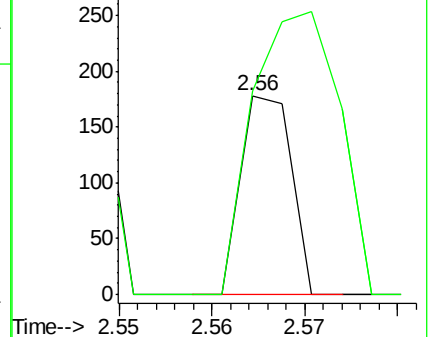
94 100

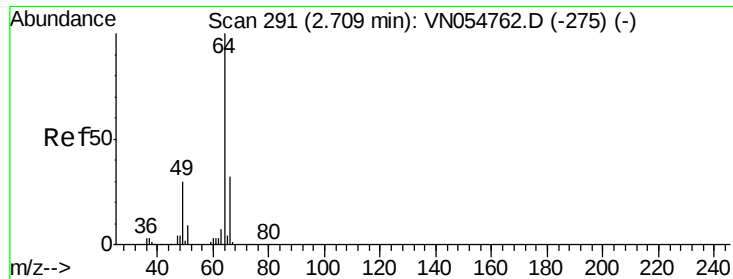
96 102.8 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO





#6

Chloroethane

Concen: 0.203 ug/l

RT: 2.52 min Scan# 231

Delta R.T. -0.19 min

Lab File: VN054776.D

Acq: 29 Mar 2019 17:59

Instrument :

MSVOA_N

ClientSampled :

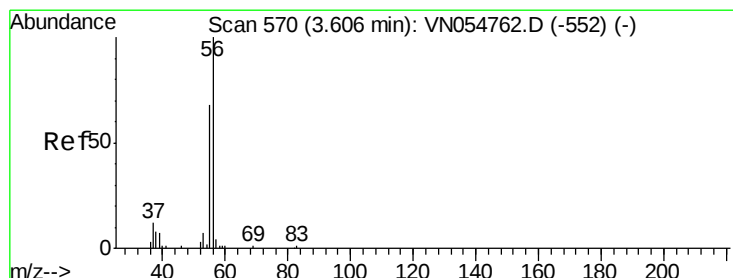
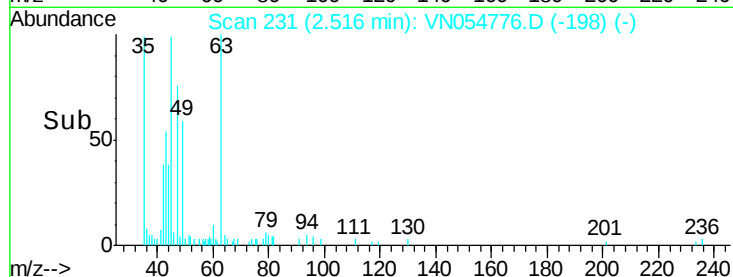
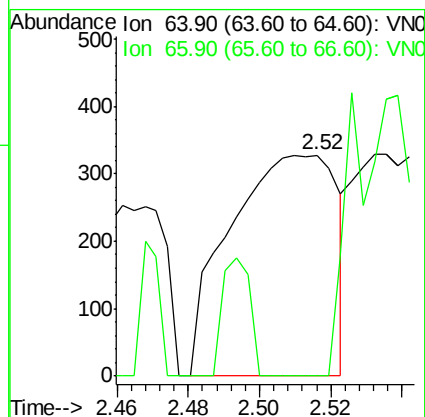
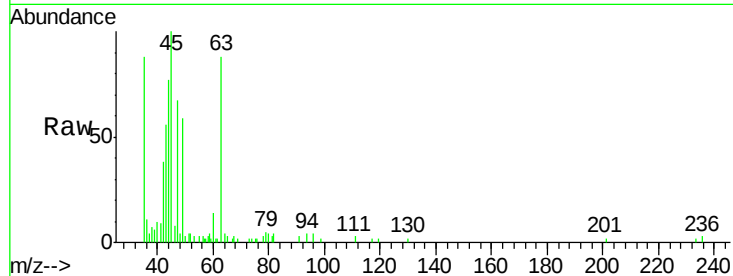
TP-6

Tgt Ion: 64 Resp: 679

Ion Ratio Lower Upper

64 100

66 0.0 25.7 38.5#



#13

Acrolein

Concen: 0.753 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN054776.D

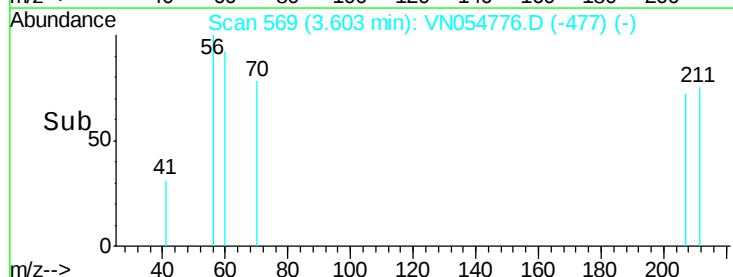
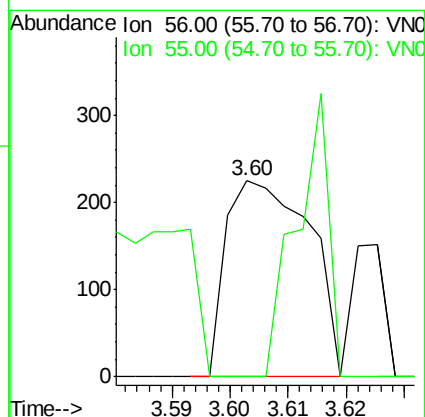
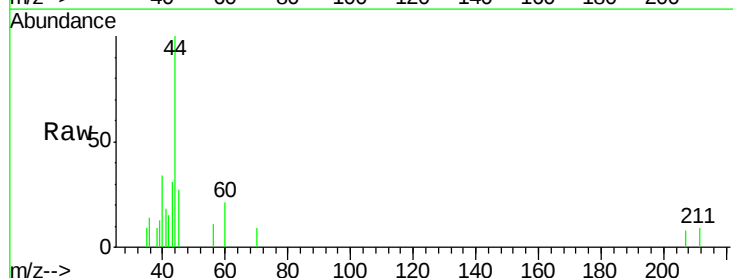
Acq: 29 Mar 2019 17:59

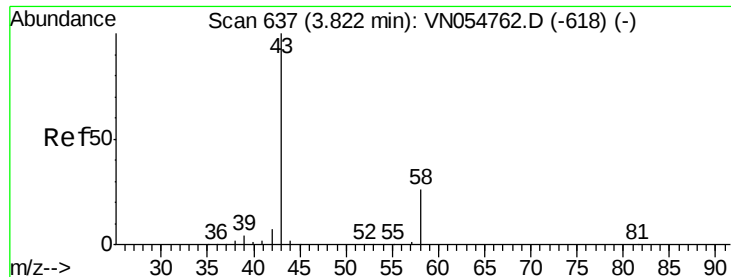
Tgt Ion: 56 Resp: 225

Ion Ratio Lower Upper

56 100

55 70.7 56.7 85.1





#16

Acetone

Concen: 0.296 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN054776.D

Acq: 29 Mar 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

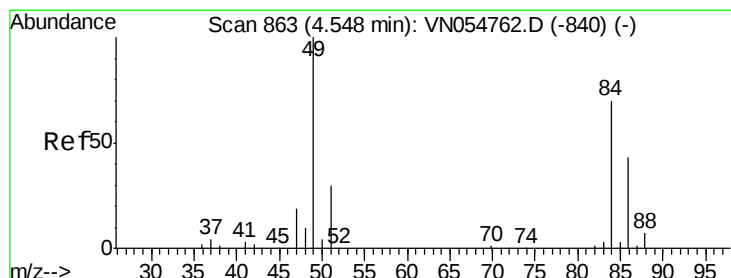
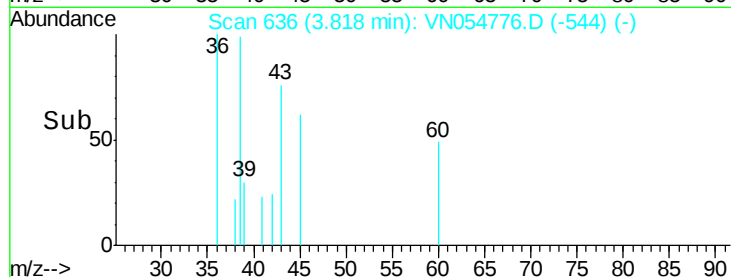
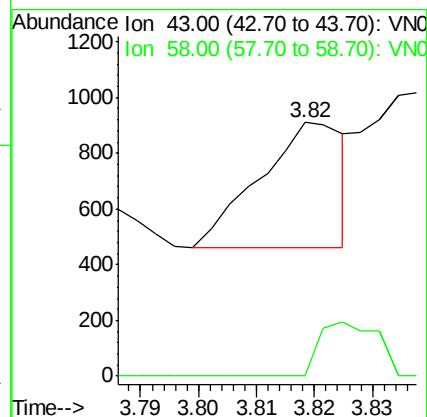
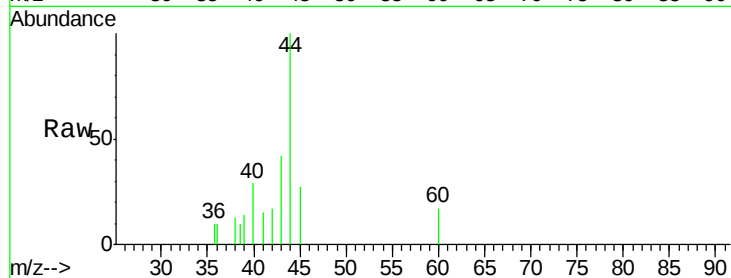
TP-6

Tgt Ion: 43 Resp: 452

Ion Ratio Lower Upper

43 100

58 0.0 29.9 44.9#



#20

Methylene Chloride

Concen: 0.238 ug/l

RT: 4.53 min Scan# 857

Delta R.T. -0.02 min

Lab File: VN054776.D

Acq: 29 Mar 2019 17:59

Tgt Ion: 84 Resp: 1286

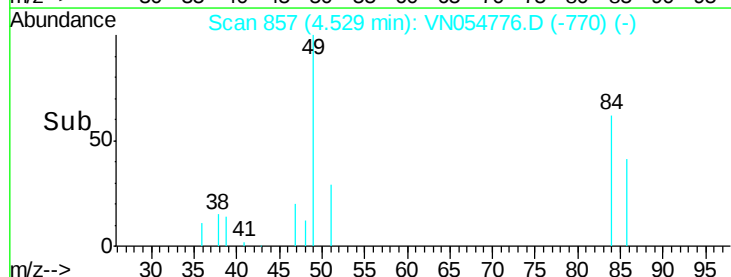
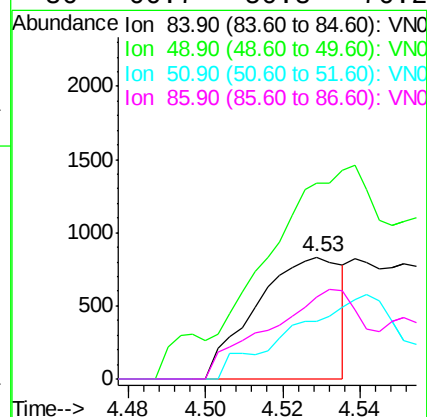
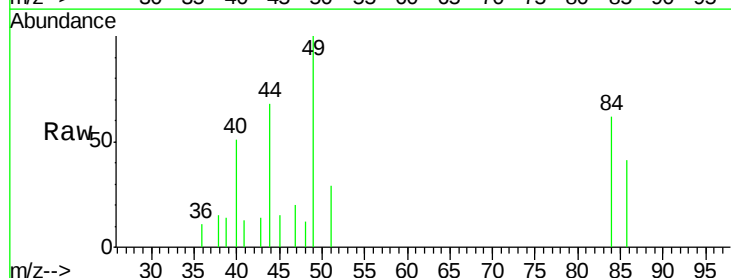
Ion Ratio Lower Upper

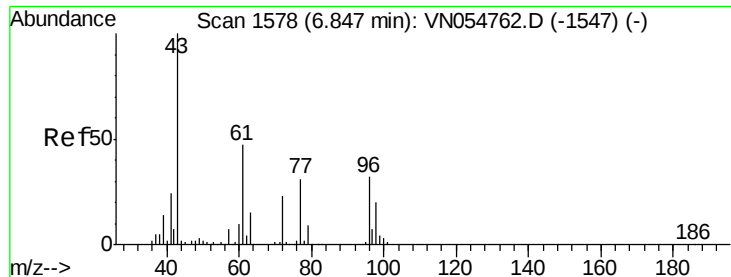
84 100

49 124.7 89.7 134.5

51 46.9 28.2 42.4#

86 66.7 50.8 76.2

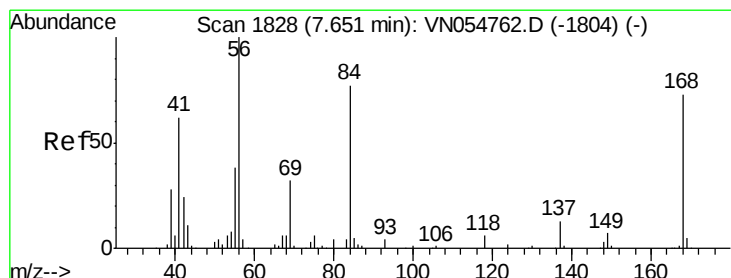
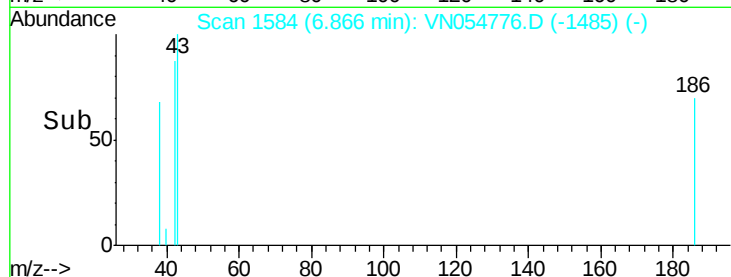
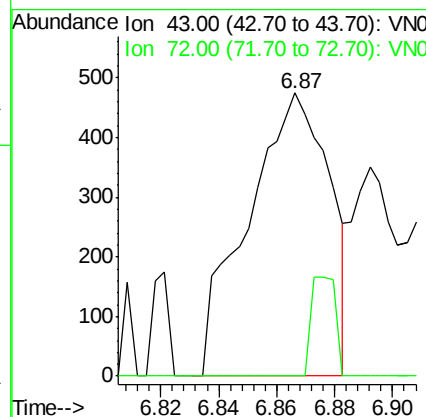
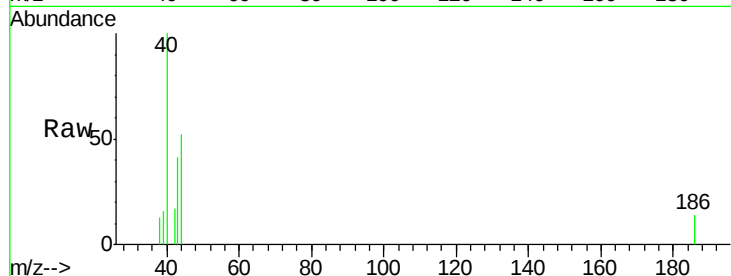




#25
2-Butanone
Concen: 0.410 ug/l
RT: 6.87 min Scan# 1584
Delta R.T. 0.02 min
Lab File: VN054776.D
Acq: 29 Mar 2019 17:59

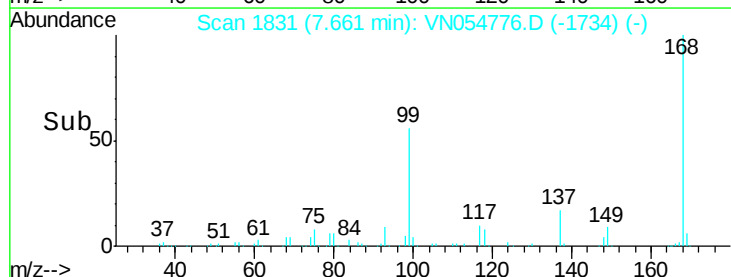
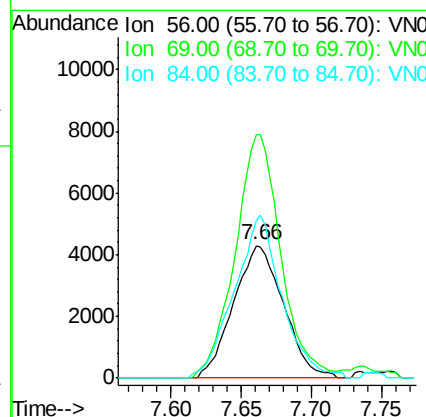
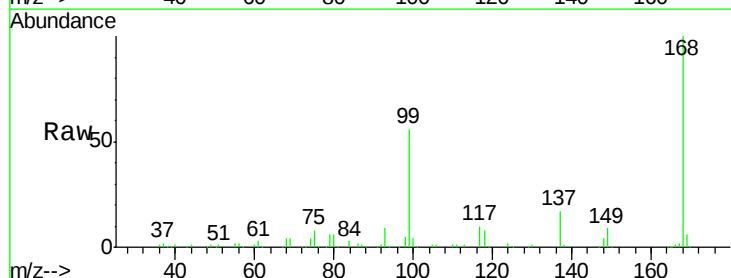
Instrument :
MSVOA_N
ClientSampleId :
TP-6

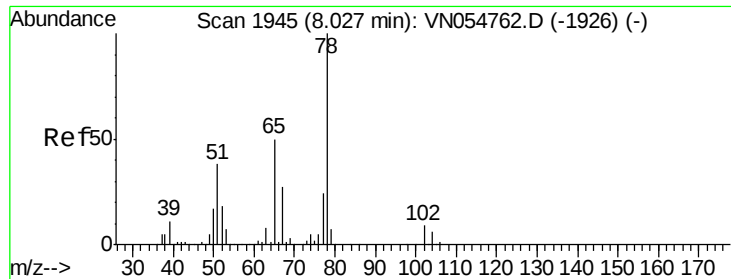
Tgt Ion: 43 Resp: 928
Ion Ratio Lower Upper
43 100
72 0.0 23.0 34.6#



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN054776.D
Acq: 29 Mar 2019 17:59

Tgt Ion: 56 Resp: 10643
Ion Ratio Lower Upper
56 100
69 183.6 27.8 41.6#
84 116.1 74.6 111.8#

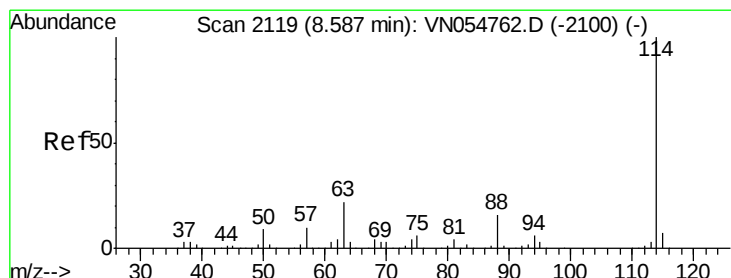
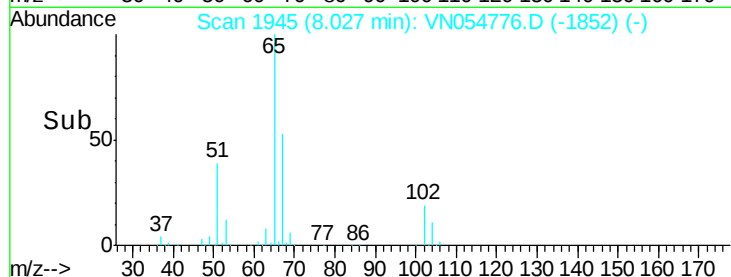
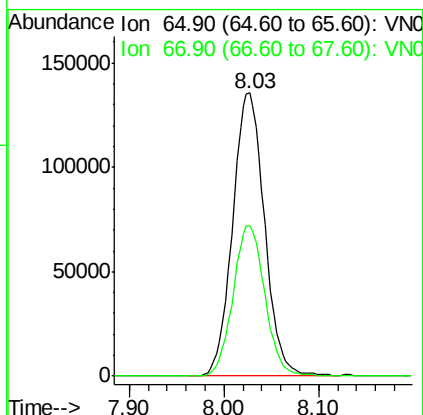
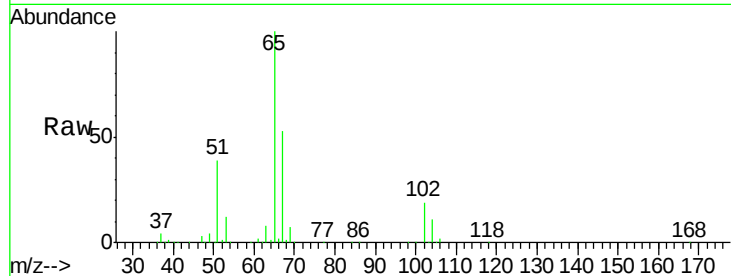




#33
 1,2-Dichloroethane-d4
 Concen: 49.515 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054776.D
 Acq: 29 Mar 2019 17:59

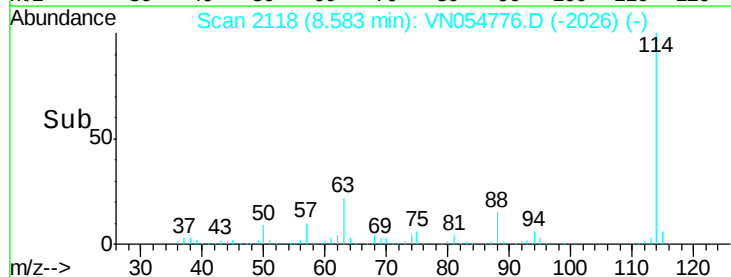
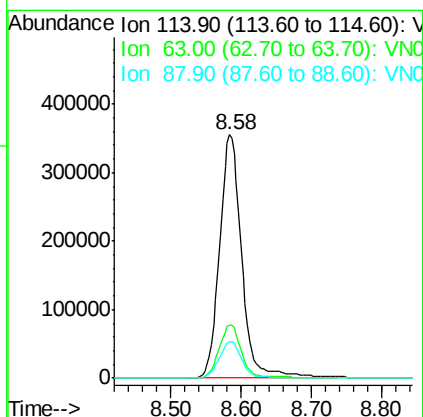
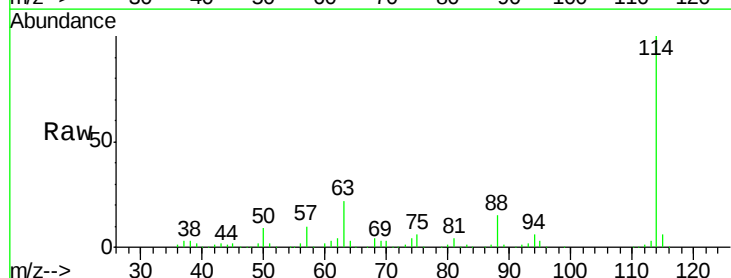
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-6

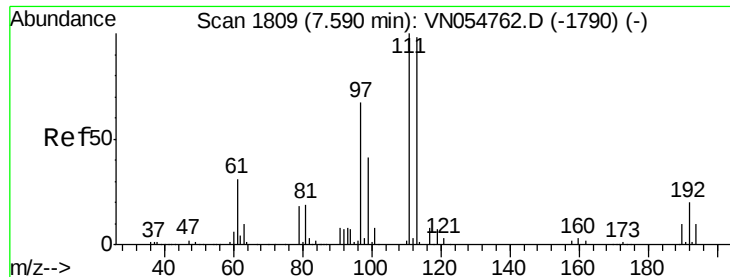
Tgt Ion: 65 Resp: 317564
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054776.D
 Acq: 29 Mar 2019 17:59

Tgt Ion: 114 Resp: 779400
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 35.2
 88 15.1 0.0 30.2





#35

Dibromofluoromethane

Concen: 46.275 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054776.D

Acq: 29 Mar 2019 17:59

Instrument :

MSVOA_N

ClientSampled :

TP-6

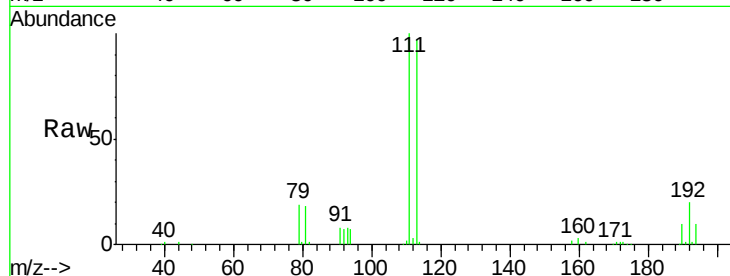
Tgt Ion:113 Resp: 240455

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

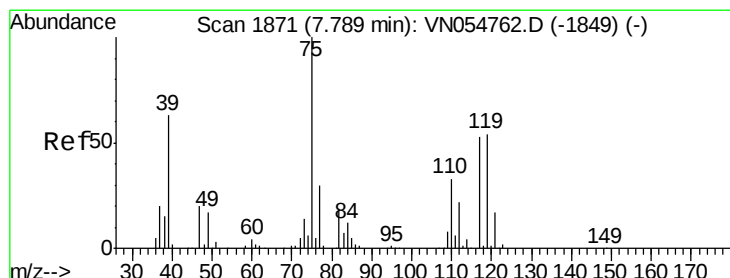
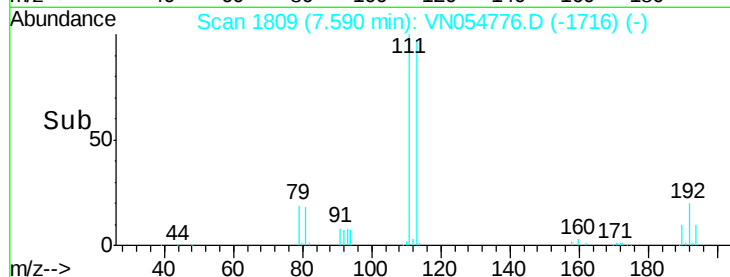
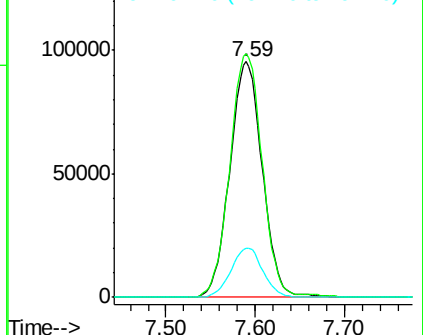
192 20.5 19.2 28.8



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: 5.045 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN054776.D

Acq: 29 Mar 2019 17:59

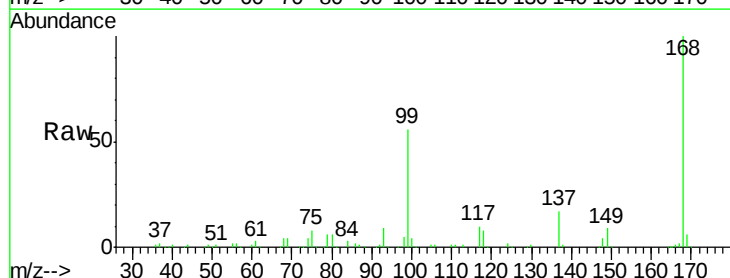
Tgt Ion: 75 Resp: 36641

Ion Ratio Lower Upper

75 100

110 9.6 19.1 57.5#

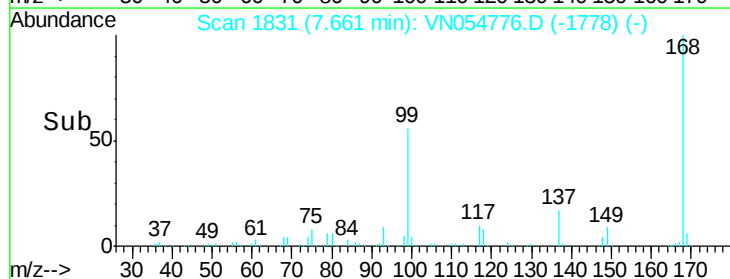
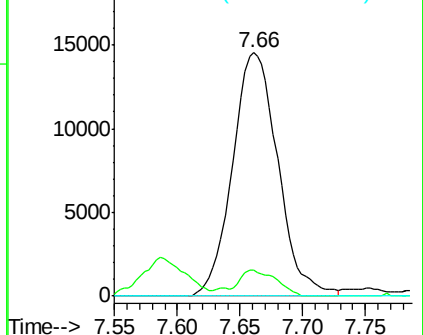
77 0.0 25.0 37.4#

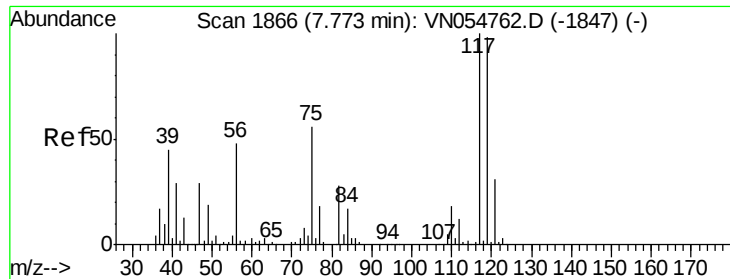


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.315 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN054776.D

Acq: 29 Mar 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

TP-6

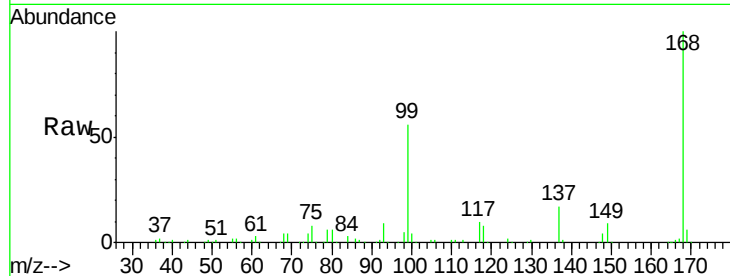
Tgt Ion:117 Resp: 44542

Ion Ratio Lower Upper

117 100

119 4.5 76.3 114.5#

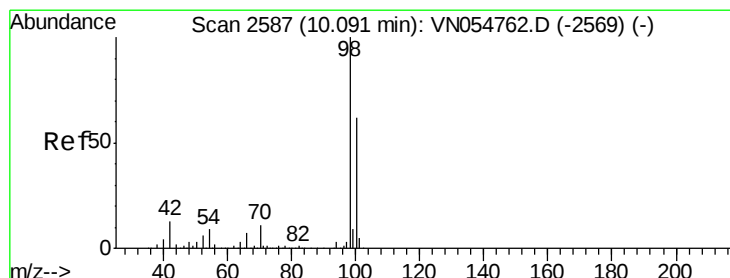
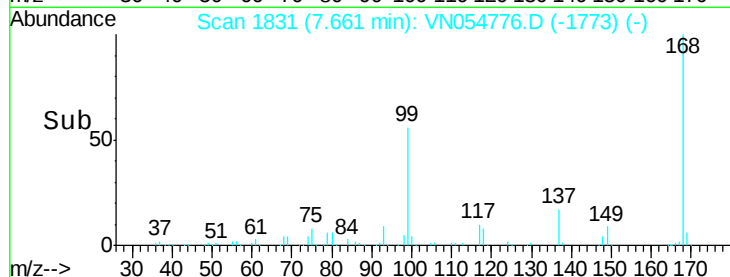
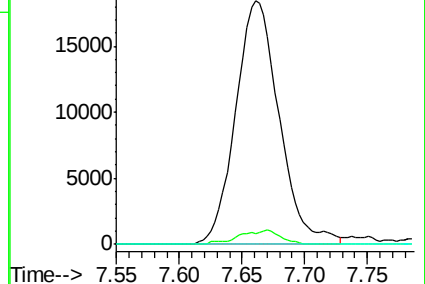
121 0.0 24.6 36.8#



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



#50

Toluene-d8

Concen: 49.228 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054776.D

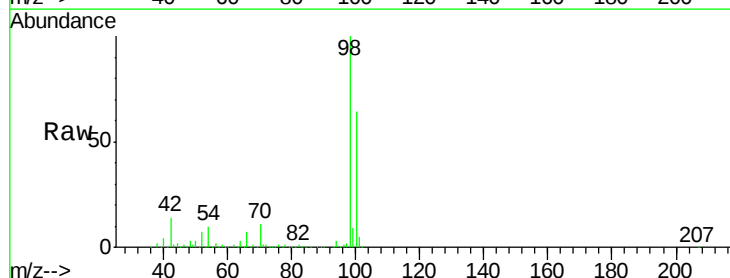
Acq: 29 Mar 2019 17:59

Tgt Ion: 98 Resp: 951010

Ion Ratio Lower Upper

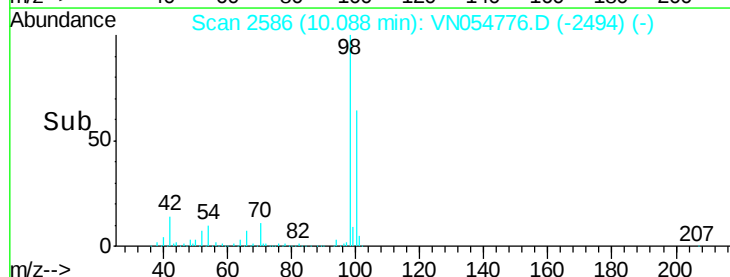
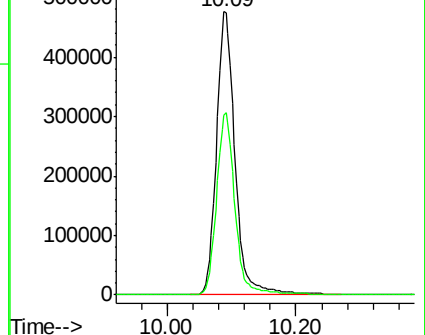
98 100

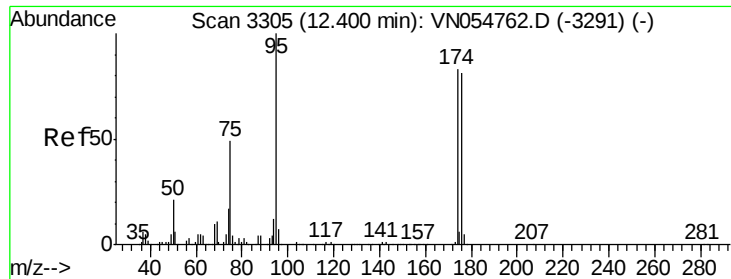
100 63.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

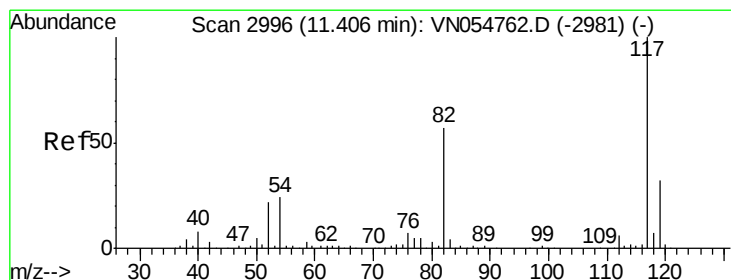
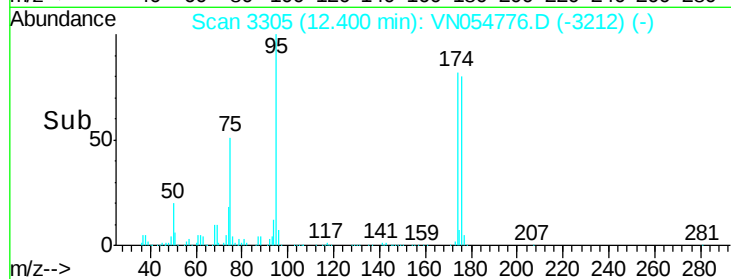
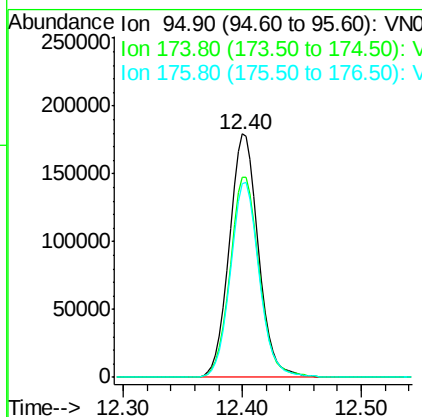
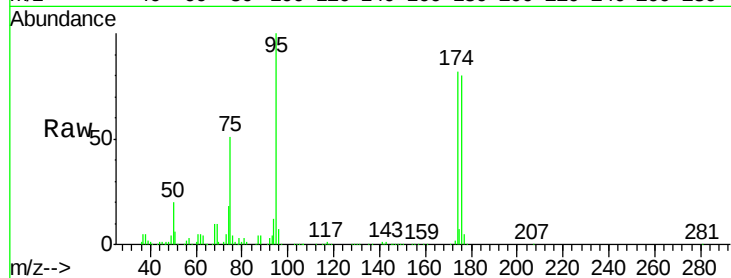




#62
4-Bromofluorobenzene
Concen: 47.317 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054776.D
Acq: 29 Mar 2019 17:59

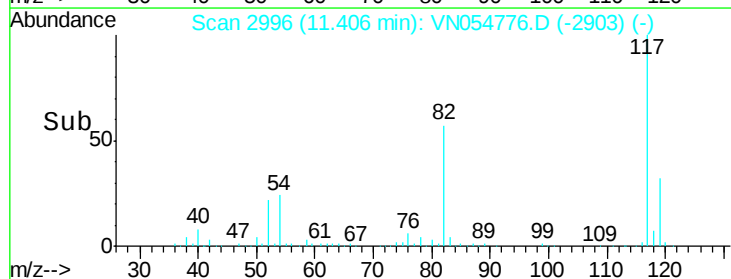
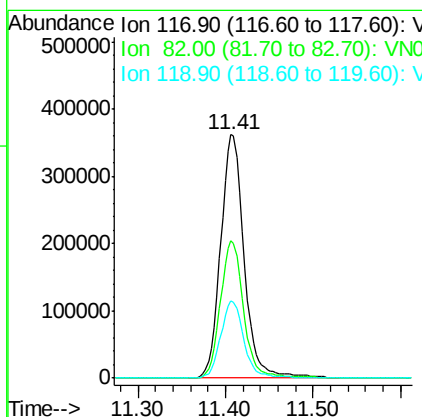
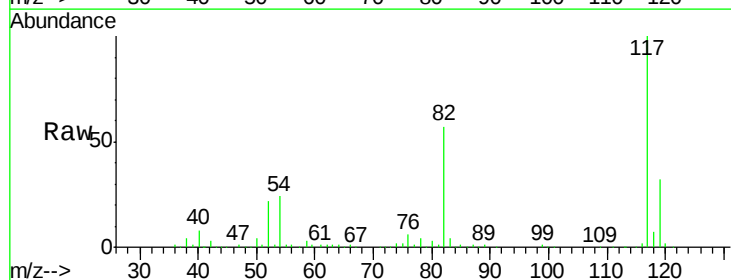
Instrument :
MSVOA_N
ClientSampleId :
TP-6

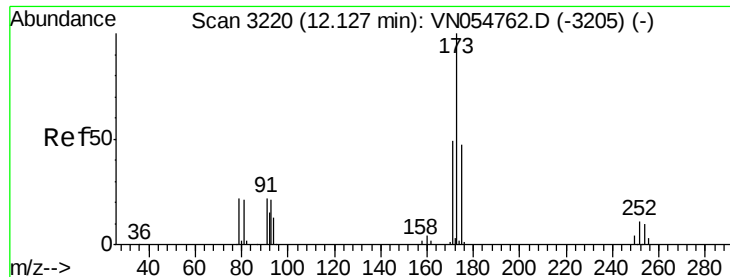
Tgt Ion: 95 Resp: 304003
Ion Ratio Lower Upper
95 100
174 82.6 0.0 191.0
176 79.4 0.0 187.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054776.D
Acq: 29 Mar 2019 17:59

Tgt Ion: 117 Resp: 675401
Ion Ratio Lower Upper
117 100
82 56.6 40.0 60.0
119 31.8 25.8 38.6





#71

Bromoform

Concen: 1.292 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN054776.D

Acq: 29 Mar 2019 17:59

Instrument :

MSVOA_N

ClientSampled :

TP-6

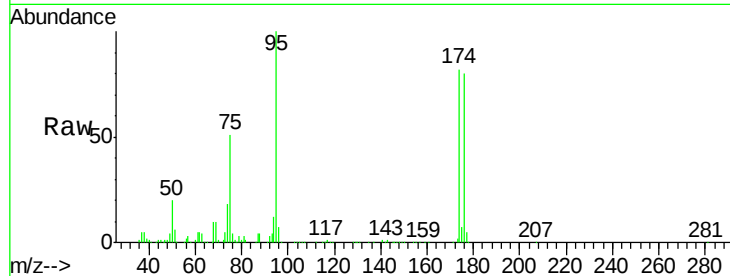
Tgt Ion:173 Resp: 3747

Ion Ratio Lower Upper

173 100

175 452.3 24.4 73.2#

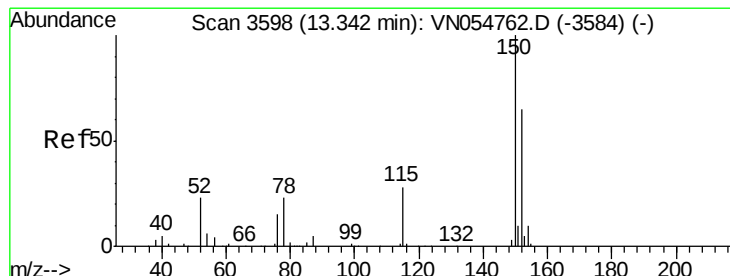
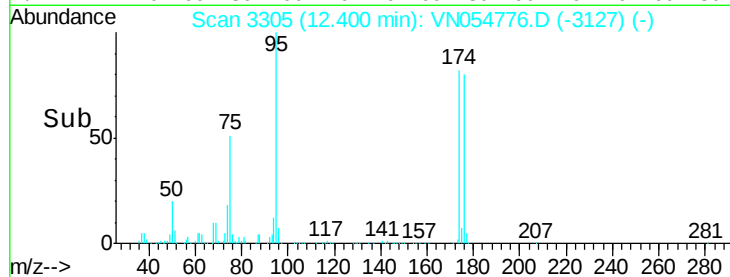
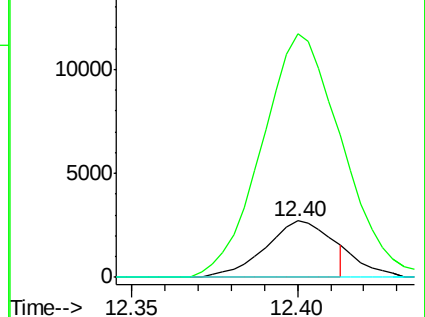
254 0.0 0.1 0.1#



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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054776.D

Acq: 29 Mar 2019 17:59

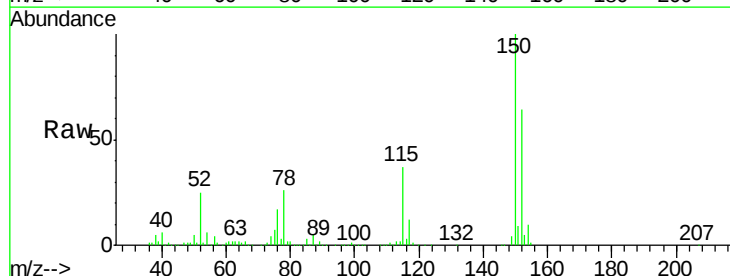
Tgt Ion:152 Resp: 271991

Ion Ratio Lower Upper

152 100

115 57.7 27.2 81.6

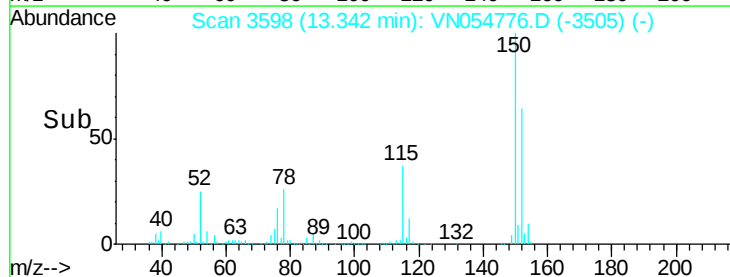
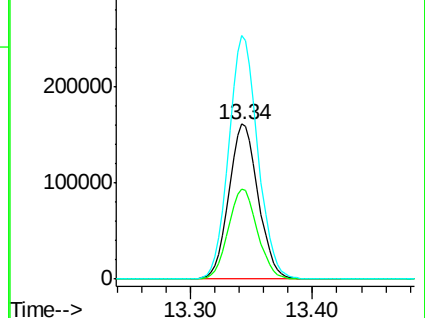
150 155.4 0.0 349.2

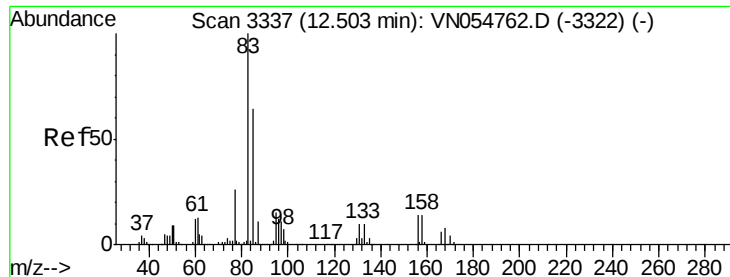


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3306

Delta R.T. -0.10 min

Lab File: VN054776.D

Acq: 29 Mar 2019 17:59

Instrument :

MSVOA_N

ClientSampled :

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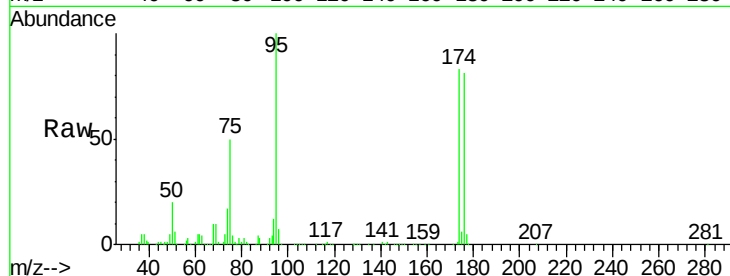
Tgt Ion: 83 Resp: 29

Ion Ratio Lower Upper

83 100

131 1413.8 5.8 17.4#

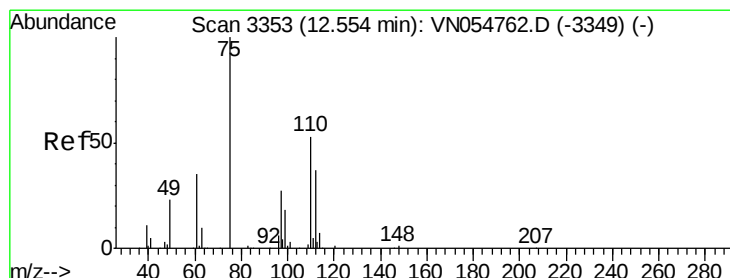
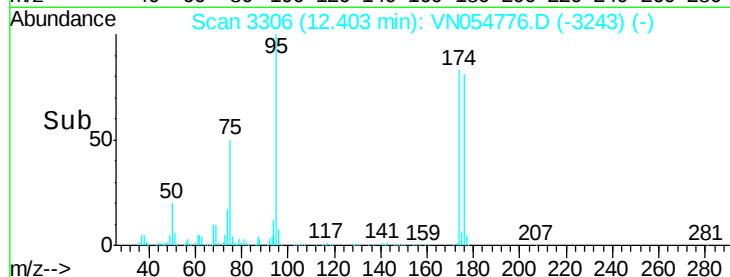
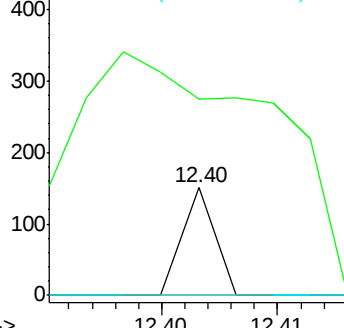
85 0.0 32.2 96.6#



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 32.981 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054776.D

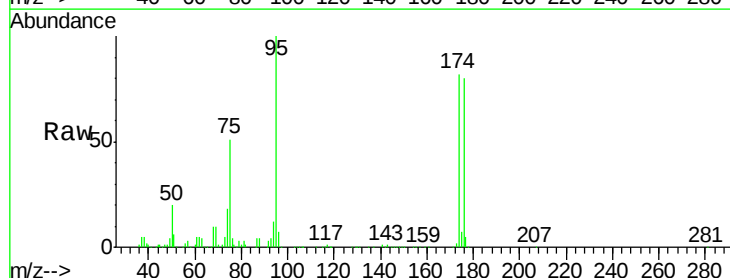
Acq: 29 Mar 2019 17:59

Tgt Ion: 75 Resp: 155838

Ion Ratio Lower Upper

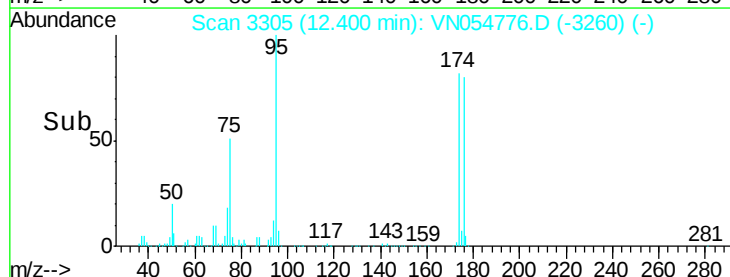
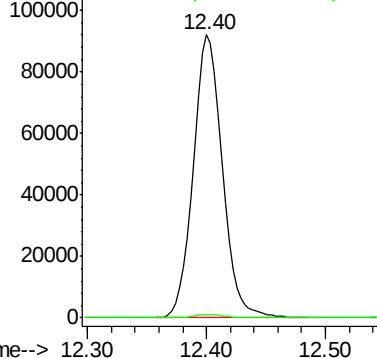
75 100

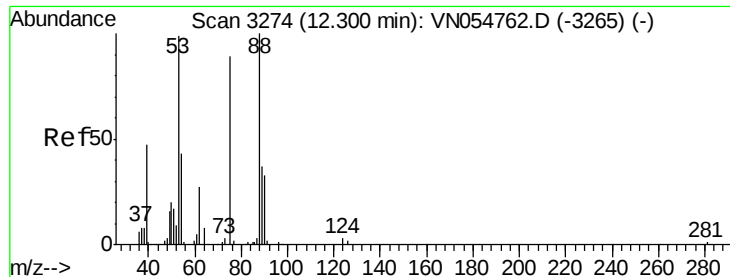
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#81

trans-1,4-Dichloro-2-butene

Concen: 128.287 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054776.D

Acq: 29 Mar 2019 17:59

Instrument :

MSVOA_N

ClientSampled :

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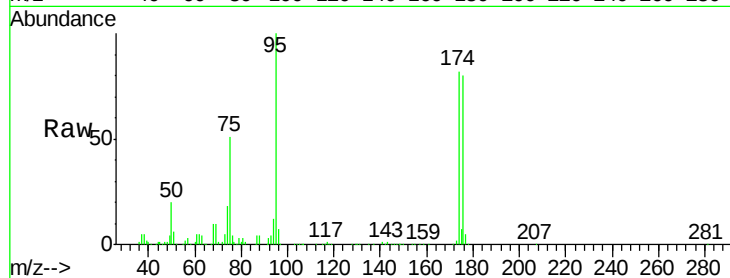
Tgt Ion: 75 Resp: 155838

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

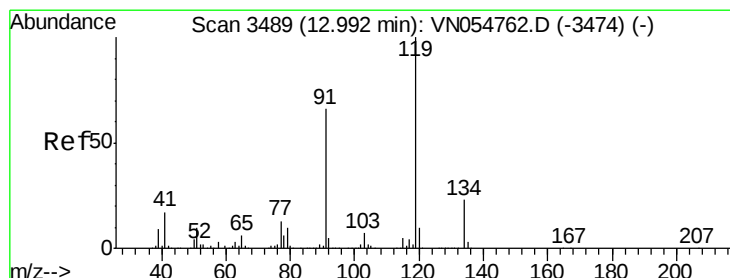
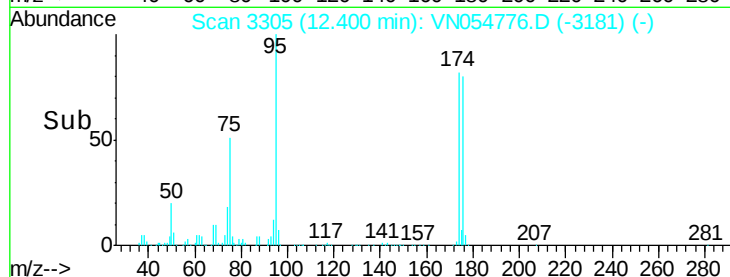
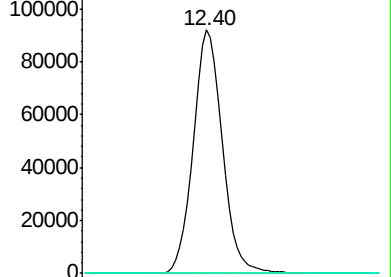
89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VN054776.D (-3305) (-)

Ion 53.00 (52.70 to 53.70): VN054776.D (-3305) (-)

Ion 88.90 (88.60 to 89.60): VN054776.D (-3305) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN054776.D

Acq: 29 Mar 2019 17:59

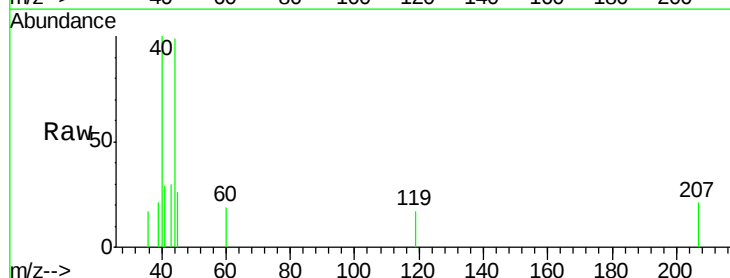
Tgt Ion: 119 Resp: 59

Ion Ratio Lower Upper

119 100

91 0.0 30.9 92.8#

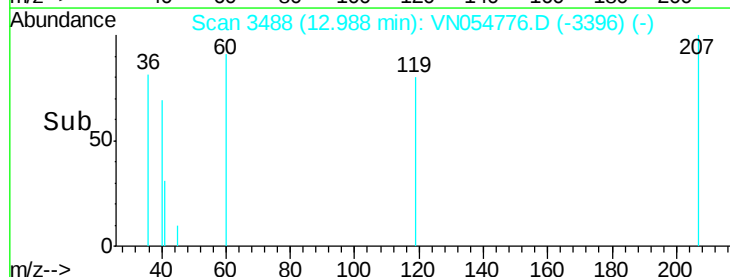
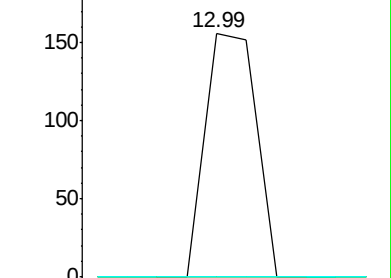
134 0.0 13.2 39.6#

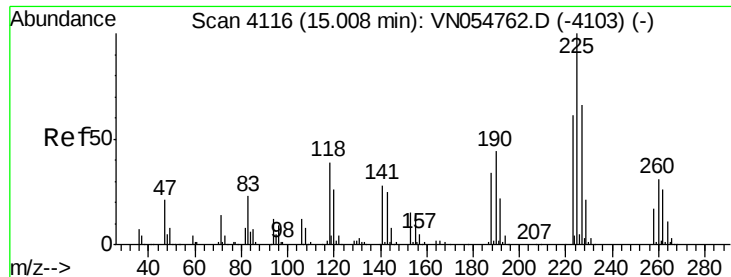


Abundance Ion 119.00 (118.70 to 119.70): VN054776.D (-3488) (-)

Ion 91.00 (90.70 to 91.70): VN054776.D (-3488) (-)

Ion 134.00 (133.70 to 134.70): VN054776.D (-3488) (-)





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4118

Delta R.T. 0.01 min

Lab File: VN054776.D

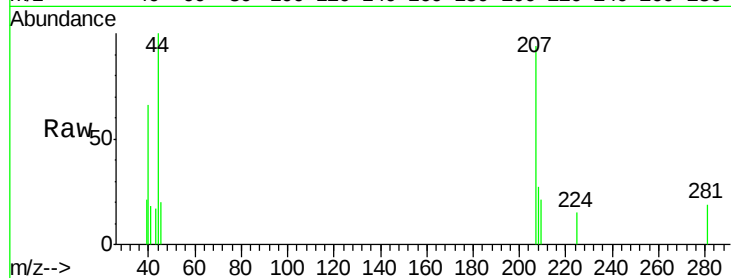
Acq: 29 Mar 2019 17:59

Instrument :

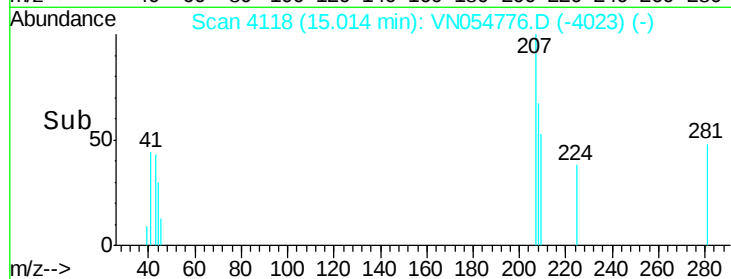
MSVOA_N

ClientSampleId :

TP-6



Tgt Ion:	225	Resp:	64
Ion	Ratio	Lower	Upper
225	100		
223	90.6	31.1	93.5
227	0.0	31.9	95.9#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

