

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032919\
 Data File : VN054774.D
 Acq On : 29 Mar 2019 17:06
 Operator : JC/SP
 Sample : K2107-17
 Misc : 9.18g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-9

Quant Time: Mar 30 03:09:31 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	452369	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	761381	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	653339	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	265014	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	302125	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
35) Dibromofluoromethane	7.59	113	233177	45.94	ug/l	0.00
Spiked Amount			Recovery	=	91.88%	
50) Toluene-d8	10.09	98	912839	48.37	ug/l	0.00
Spiked Amount			Recovery	=	96.74%	
62) 4-Bromofluorobenzene	12.40	95	295236	47.04	ug/l	0.00
Spiked Amount			Recovery	=	94.08%	

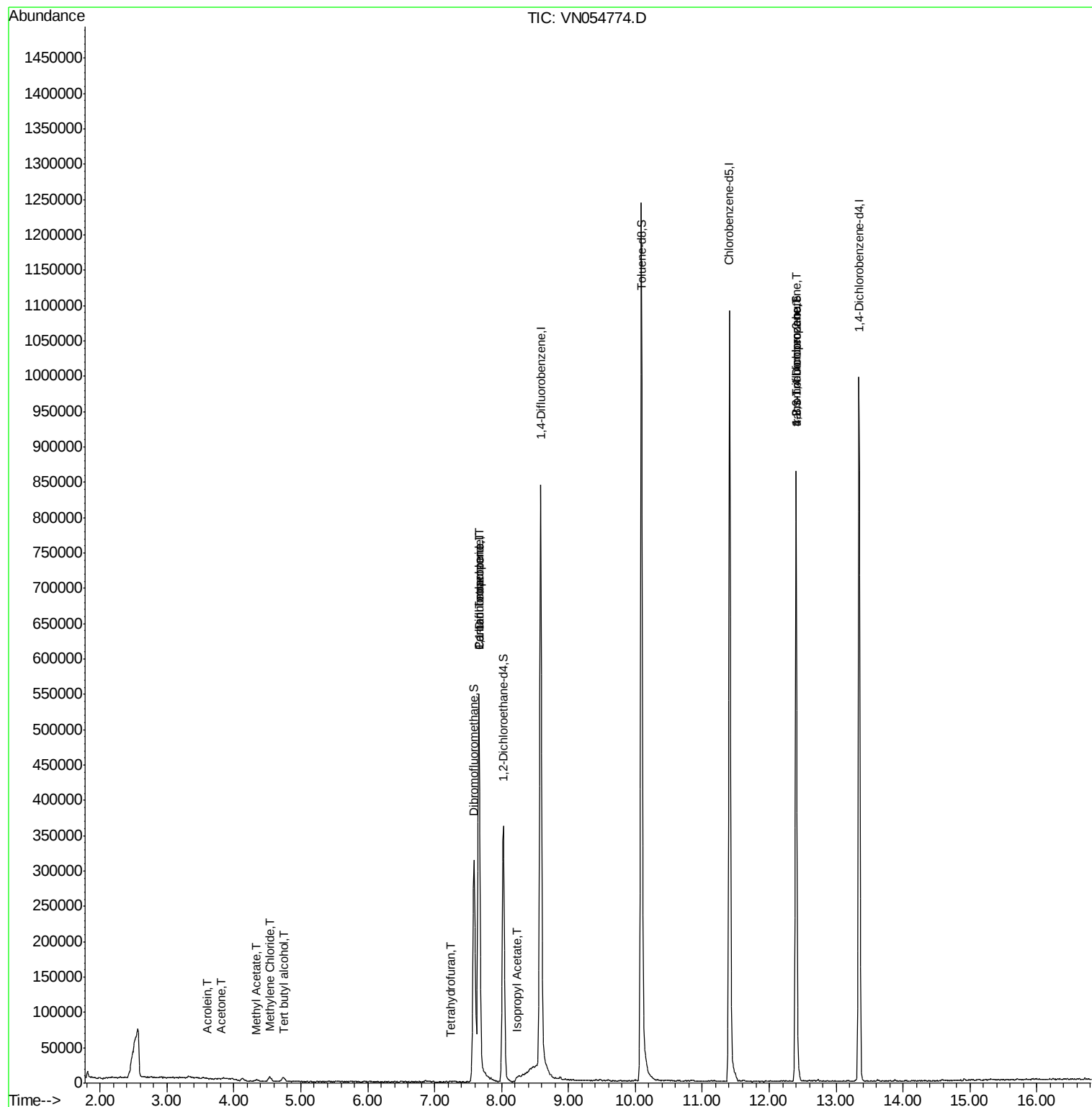
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	360	Below Cal	#	2
11) Tert butyl alcohol	4.74	59	5376	16.921	ug/l #	73
13) Acrolein	3.60	56	483	1.700	ug/l #	78
16) Acetone	3.82	43	547	0.376	ug/l #	38
18) Methyl Acetate	4.34	43	4493	0.272	ug/l #	63
20) Methylene Chloride	4.54	84	4442	0.866	ug/l	91
29) Tetrahydrofuran	7.23	42	322	0.216	ug/l #	30
31) Cyclohexane	7.66	56	10932	Below Cal	#	25
36) 1,1-Dichloropropene	7.66	75	34286	4.833	ug/l #	47
38) Carbon Tetrachloride	7.66	117	43476	6.309	ug/l #	16
43) Isopropyl Acetate	8.22	43	2224	0.263	ug/l #	60
75) 1,1,2,2-Tetrachloroethane	12.41	83	33	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	153552	33.353	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	153552	129.733	ug/l #	11
83) tert-Butylbenzene	12.99	119	174	Below Cal	#	44
94) Hexachlorobutadiene	15.01	225	34	Below Cal	#	19

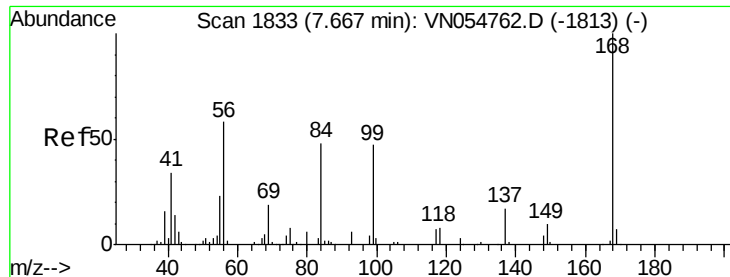
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VN054774.D

Acq: 29 Mar 2019 17:06

Instrument :

MSVOA_N

ClientSampled :

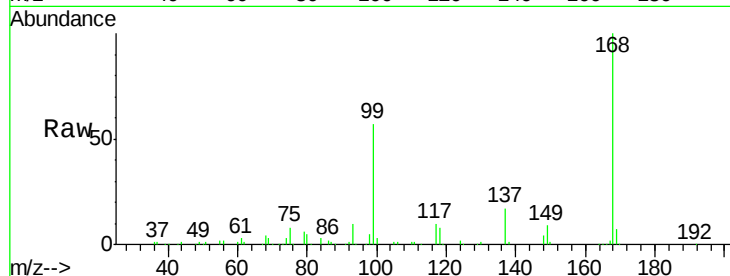
TP-9

Tgt Ion:168 Resp: 452369

Ion Ratio Lower Upper

168 100

99 56.6 37.1 55.7#



Abundance Ion 167.90 (167.60 to 168.60): VN054774.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN054774.D (-1740) (-)

7.66

200000

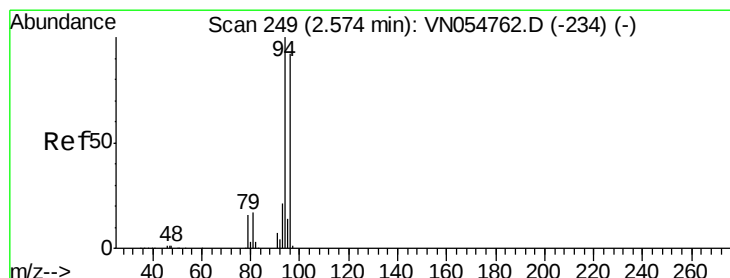
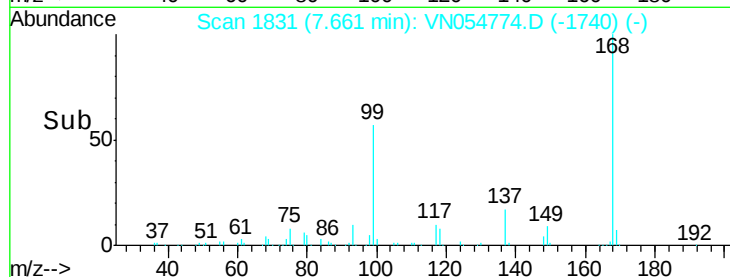
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054774.D

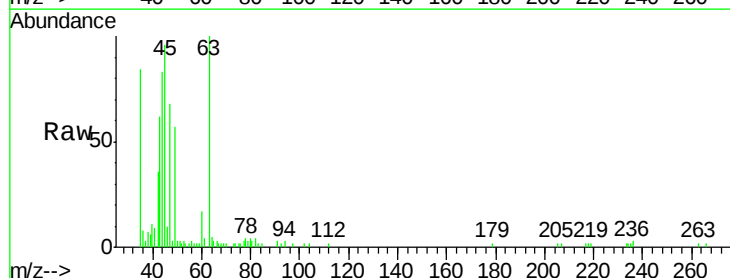
Acq: 29 Mar 2019 17:06

Tgt Ion: 94 Resp: 360

Ion Ratio Lower Upper

94 100

96 0.0 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN054774.D (-156) (-)

Ion 95.90 (95.60 to 96.60): VN054774.D (-156) (-)

2.57

400

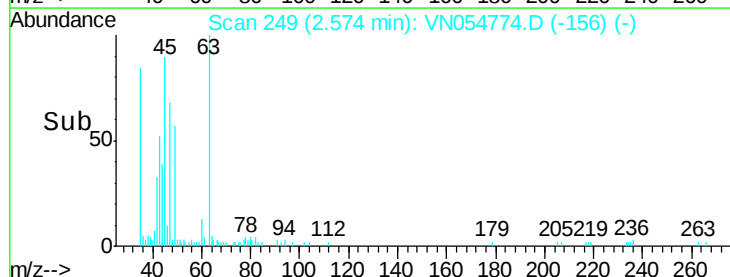
300

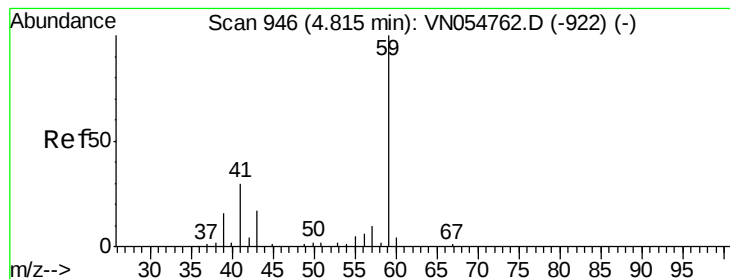
200

100

0

Time--> 2.56 2.58 2.60



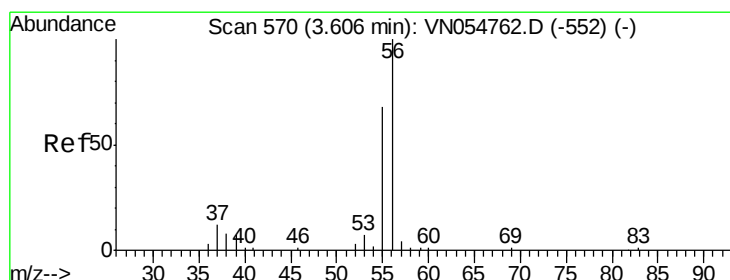
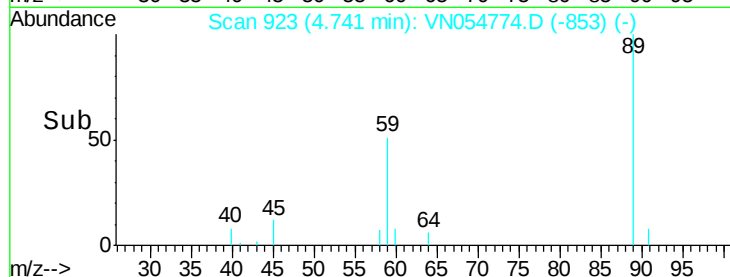
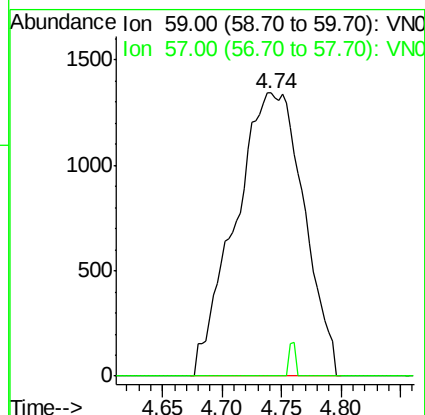
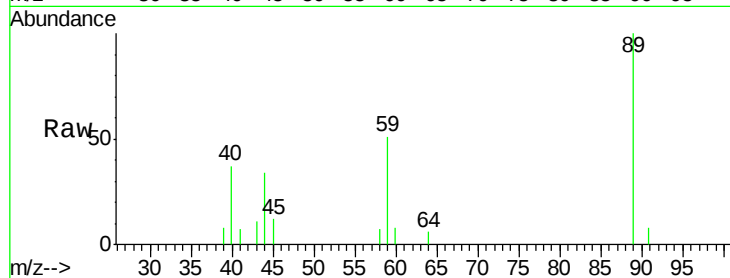


#11

Tert butyl alcohol
 Concen: 16.921 ug/l
 RT: 4.74 min Scan# 923
 Delta R.T. -0.07 min
 Lab File: VN054774.D
 Acq: 29 Mar 2019 17:06

Instrument :
 MSVOA_N
 ClientSampled :
 TP-9

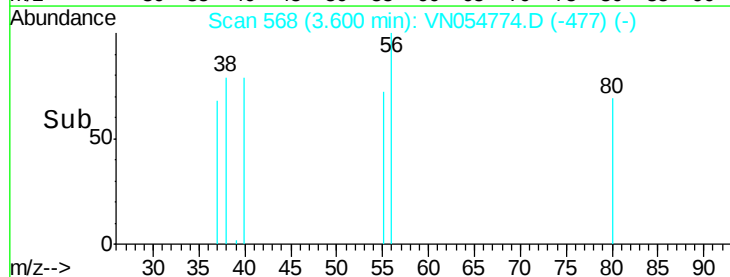
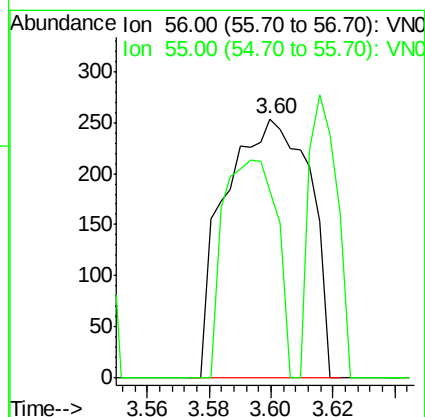
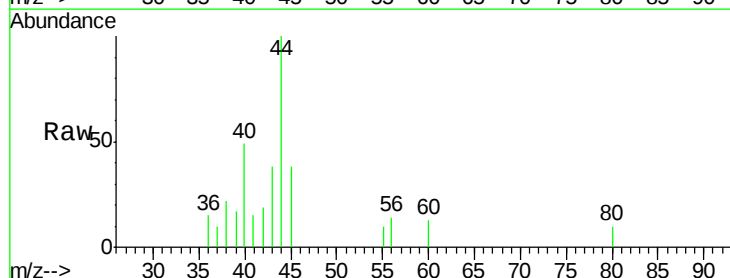
Tgt Ion: 59 Resp: 5376
 Ion Ratio Lower Upper
 59 100
 57 1.2 9.0 13.6#

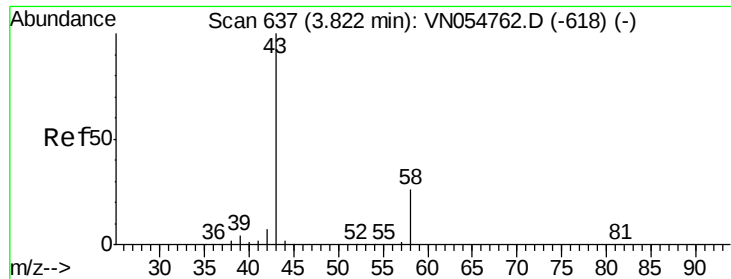


#13

Acrolein
 Concen: 1.700 ug/l
 RT: 3.60 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: VN054774.D
 Acq: 29 Mar 2019 17:06

Tgt Ion: 56 Resp: 483
 Ion Ratio Lower Upper
 56 100
 55 53.0 56.7 85.1#





#16

Acetone

Concen: 0.376 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN054774.D

Acq: 29 Mar 2019 17:06

Instrument :

MSVOA_N

ClientSampled :

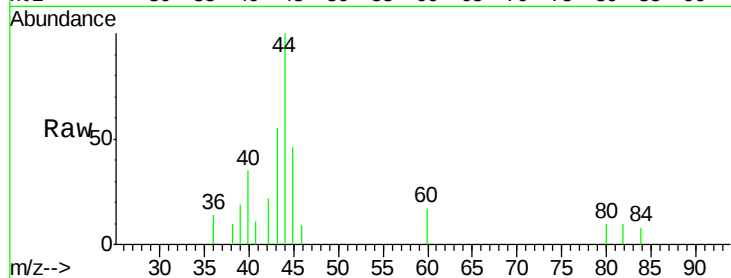
TP-9

Tgt Ion: 43 Resp: 547

Ion Ratio Lower Upper

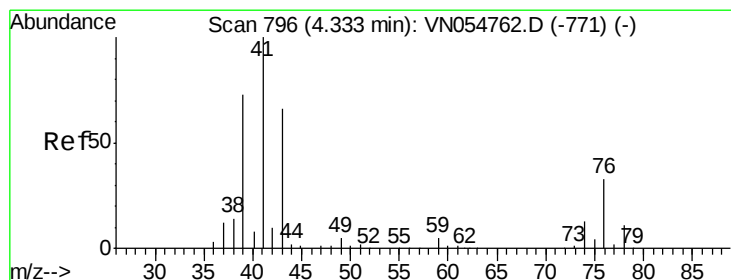
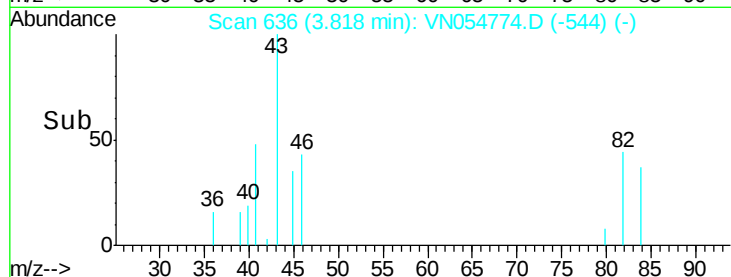
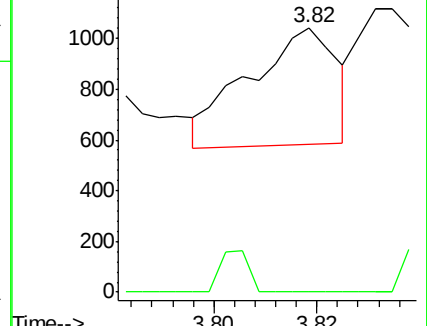
43 100

58 0.0 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.272 ug/l

RT: 4.34 min Scan# 798

Delta R.T. 0.01 min

Lab File: VN054774.D

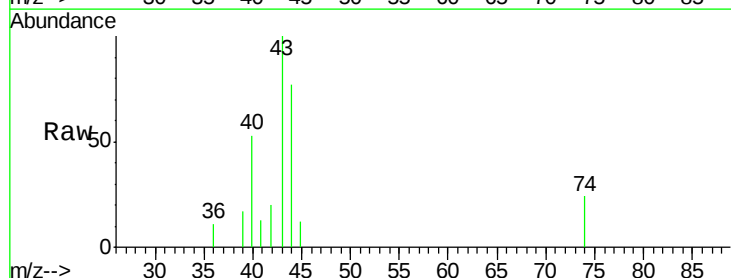
Acq: 29 Mar 2019 17:06

Tgt Ion: 43 Resp: 4493

Ion Ratio Lower Upper

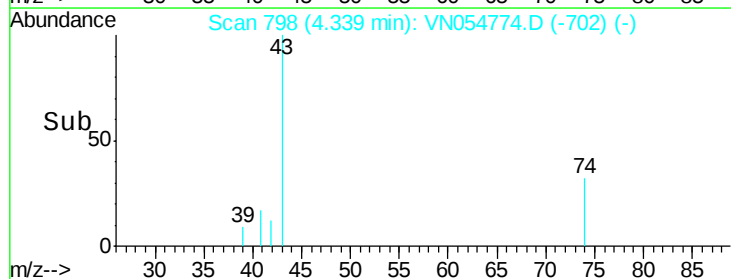
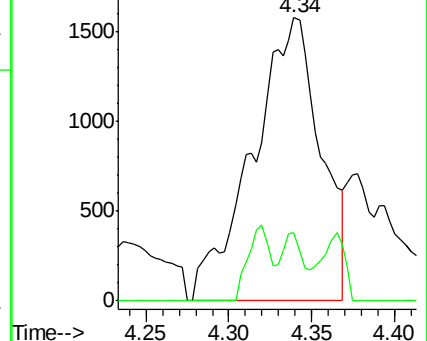
43 100

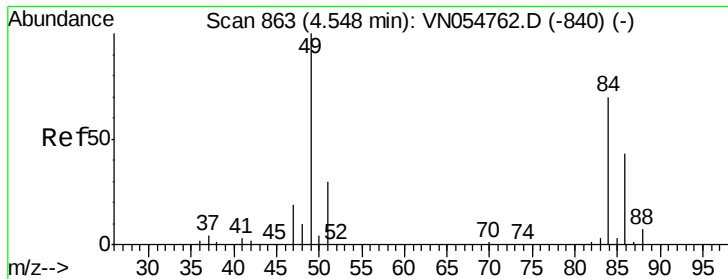
74 7.1 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

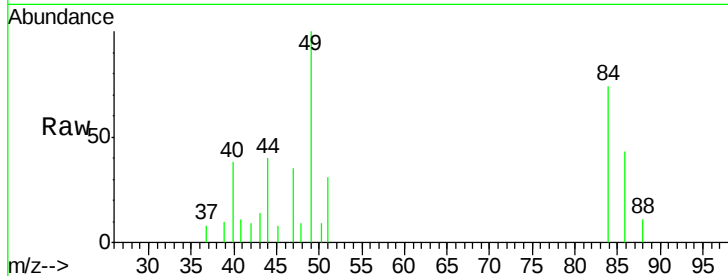




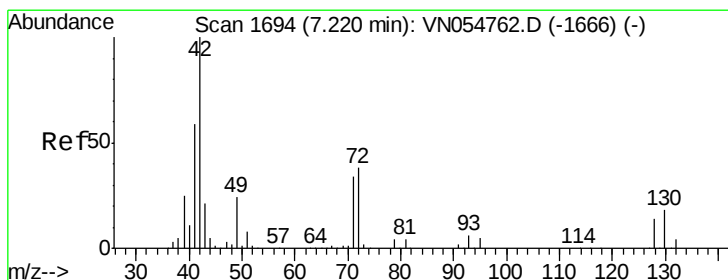
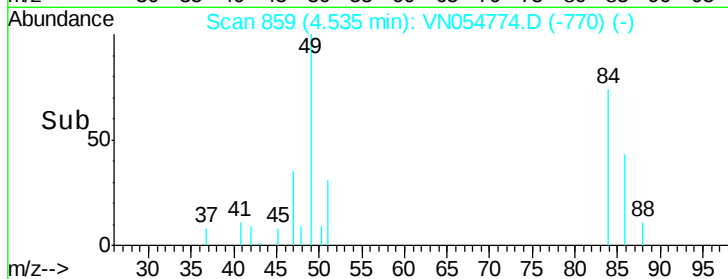
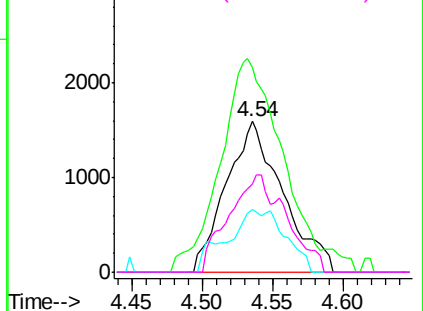
#20
Methylene Chloride
Concen: 0.866 ug/l
RT: 4.54 min Scan# 859
Delta R.T. -0.01 min
Lab File: VN054774.D
Acq: 29 Mar 2019 17:06

Instrument :
MSVOA_N
ClientSampled :
TP-9

Tgt Ion:	84	Resp:	4442
Ion	Ratio	Lower	Upper
84	100		
49	123.5	89.7	134.5
51	41.4	28.2	42.4
86	59.0	50.8	76.2

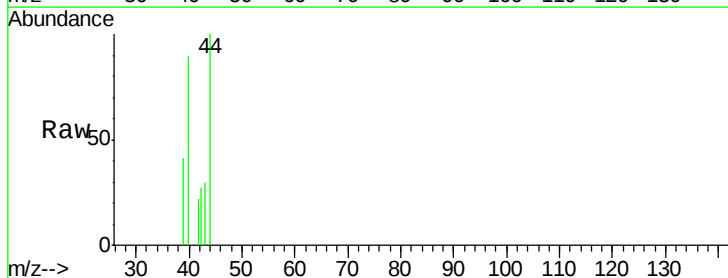


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

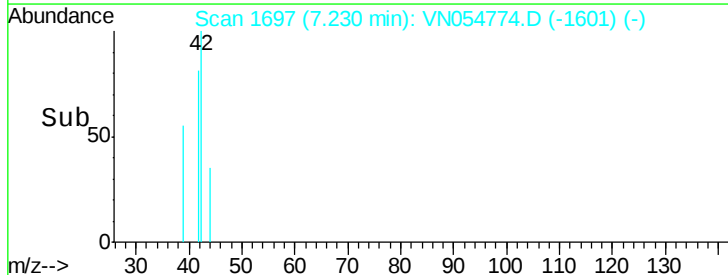
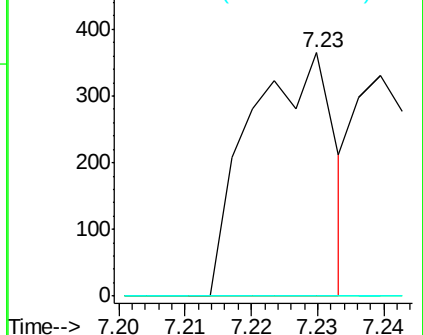


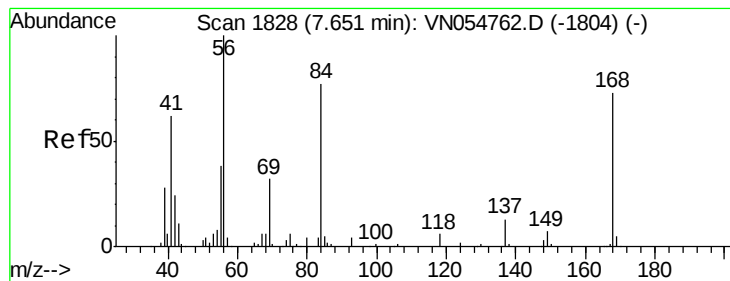
#29
Tetrahydrofuran
Concen: 0.216 ug/l
RT: 7.23 min Scan# 1697
Delta R.T. 0.01 min
Lab File: VN054774.D
Acq: 29 Mar 2019 17:06

Tgt Ion:	42	Resp:	322
Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.8	56.6#
71	0.0	36.2	54.2#



Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN054774.D

Acq: 29 Mar 2019 17:06

Instrument :
MSVOA_N
ClientSampleId :
TP-9

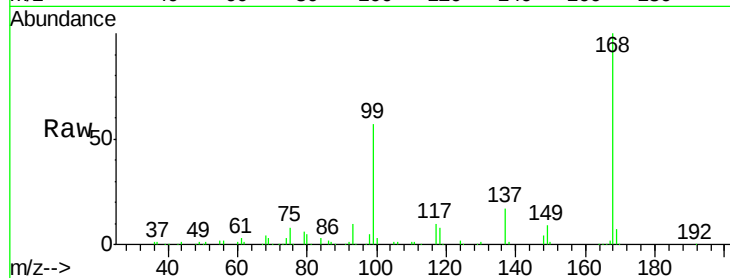
Tgt Ion: 56 Resp: 10932

Ion Ratio Lower Upper

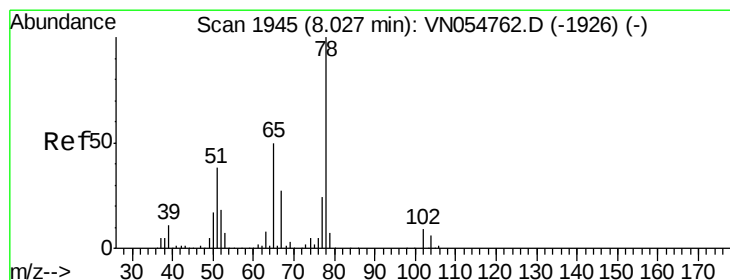
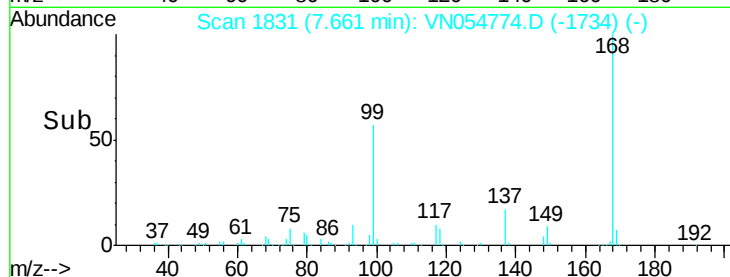
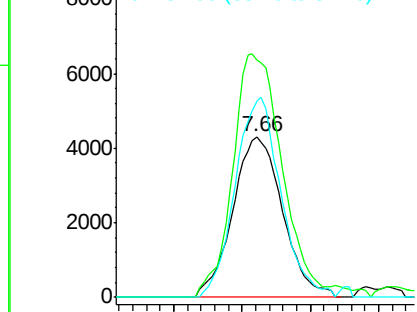
56 100

69 148.1 27.8 41.6#

84 122.3 74.6 111.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 49.545 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054774.D

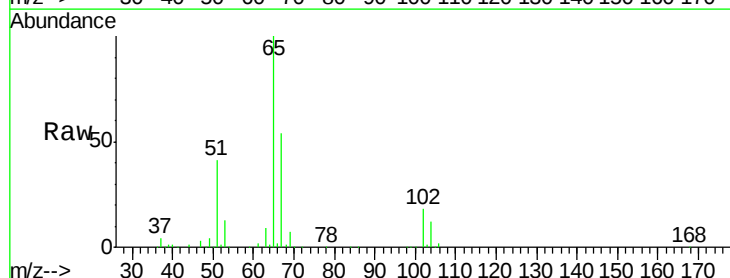
Acq: 29 Mar 2019 17:06

Tgt Ion: 65 Resp: 302125

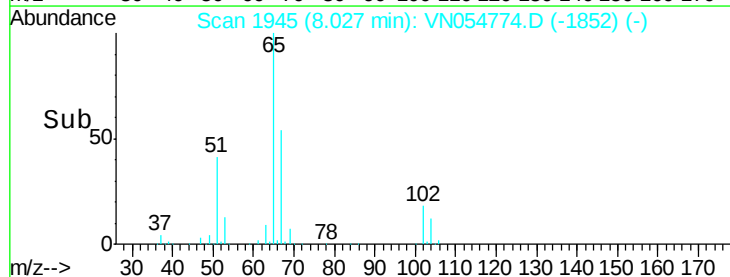
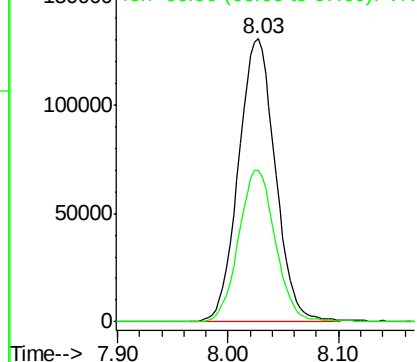
Ion Ratio Lower Upper

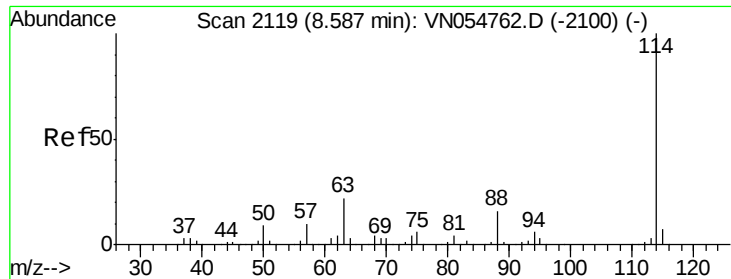
65 100

67 53.4 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

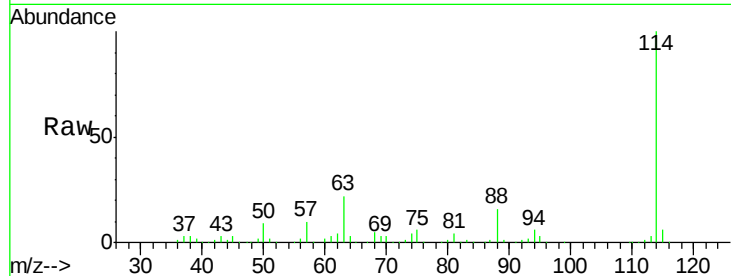




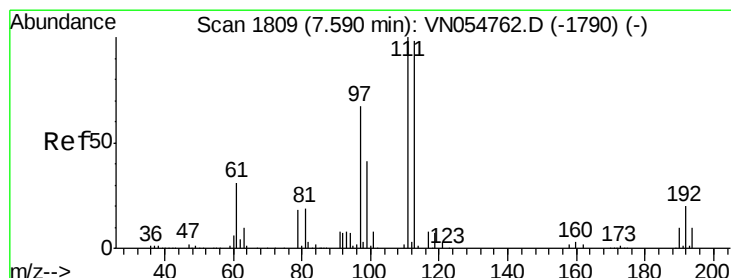
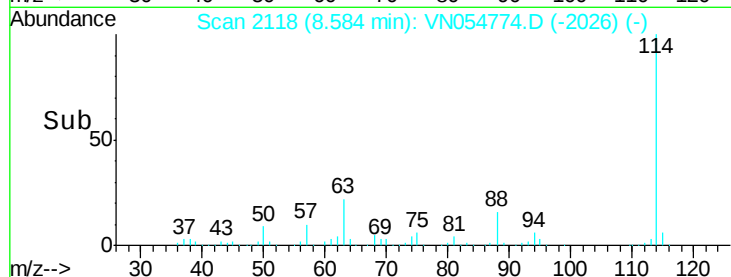
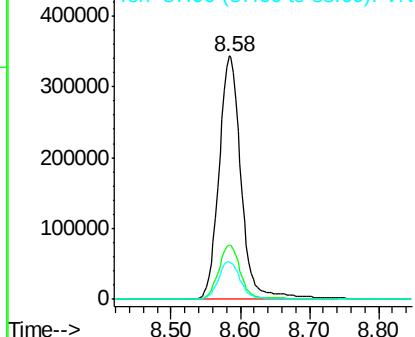
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VN054774.D
Acq: 29 Mar 2019 17:06

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion:114 Resp: 761381
Ion Ratio Lower Upper
114 100
63 22.2 0.0 35.2
88 15.6 0.0 30.2

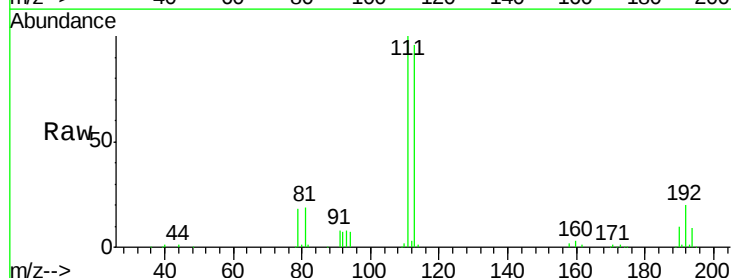


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

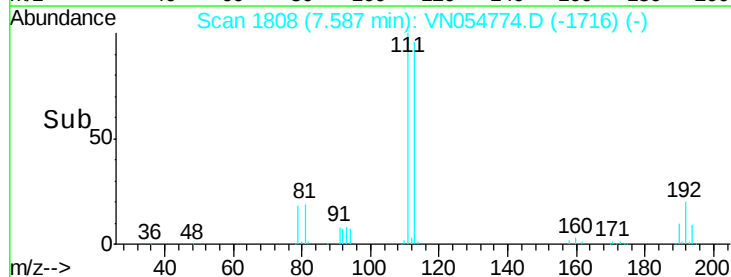
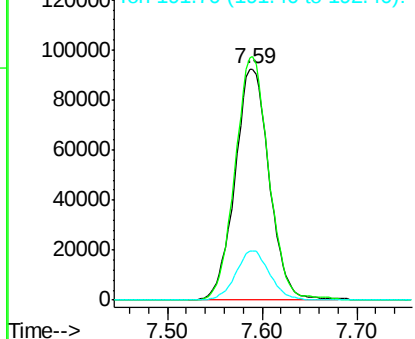


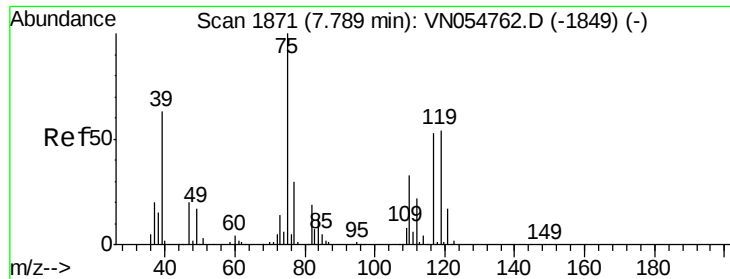
#35
Dibromofluoromethane
Concen: 45.937 ug/l
RT: 7.59 min Scan# 1808
Delta R.T. -0.00 min
Lab File: VN054774.D
Acq: 29 Mar 2019 17:06

Tgt Ion:113 Resp: 233177
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.4
192 21.0 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

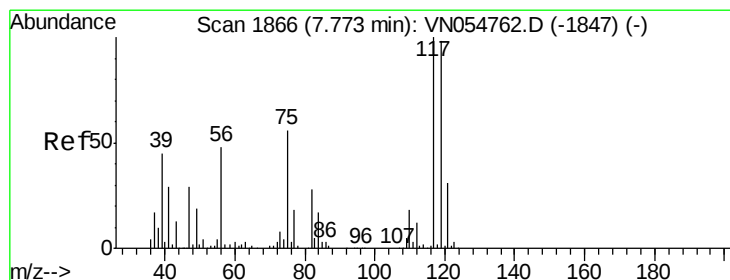
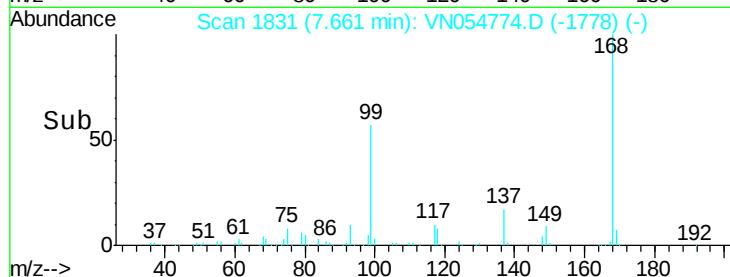
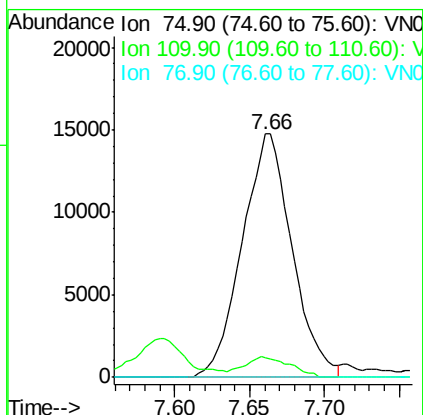
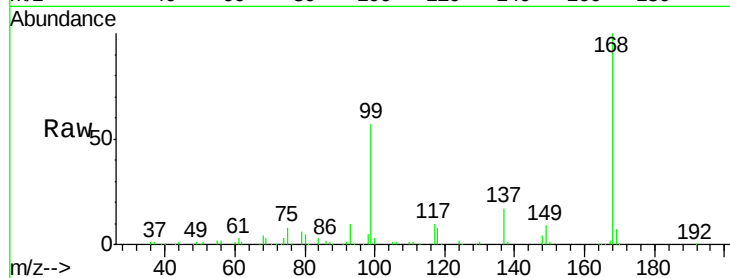




#36
 1,1-Dichloropropene
 Concen: 4.833 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN054774.D
 Acq: 29 Mar 2019 17:06

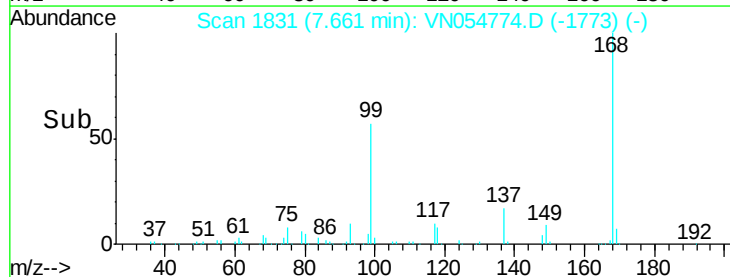
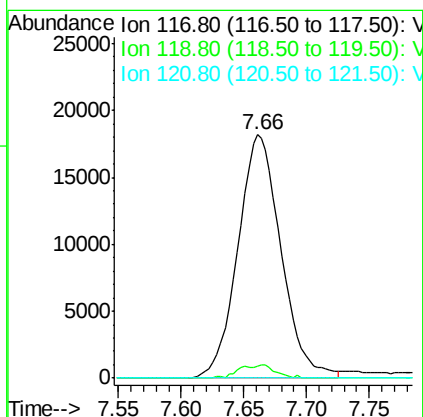
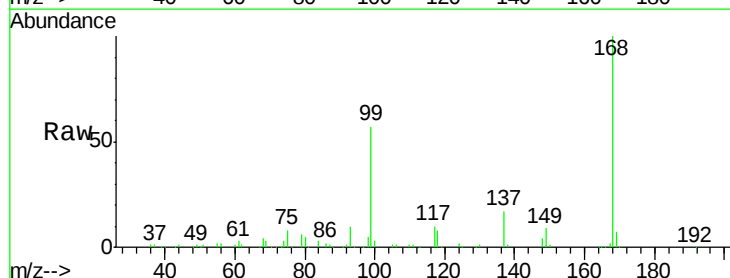
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-9

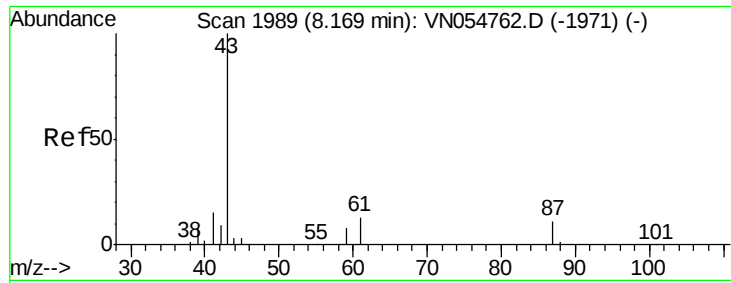
Tgt Ion: 75 Resp: 34286
 Ion Ratio Lower Upper
 75 100
 110 7.8 19.1 57.5#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.309 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN054774.D
 Acq: 29 Mar 2019 17:06

Tgt Ion: 117 Resp: 43476
 Ion Ratio Lower Upper
 117 100
 119 4.8 76.3 114.5#
 121 0.0 24.6 36.8#

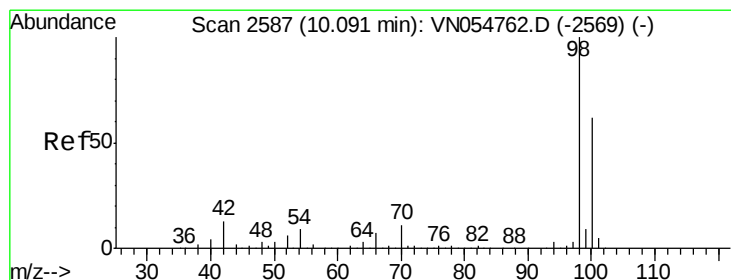
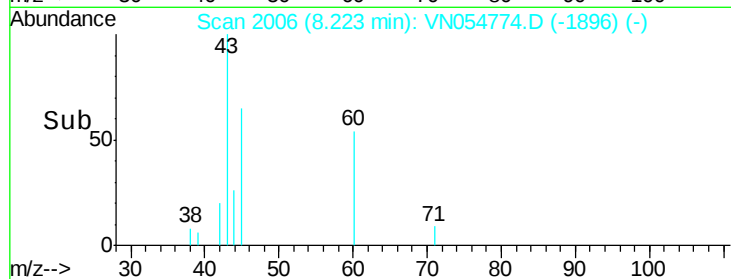
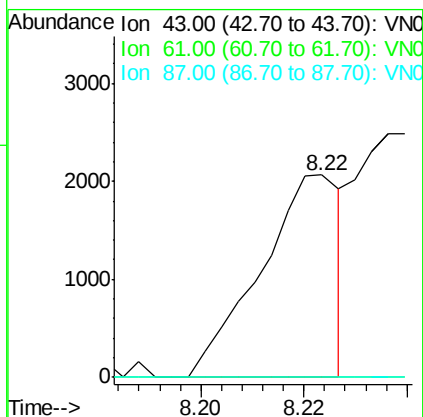
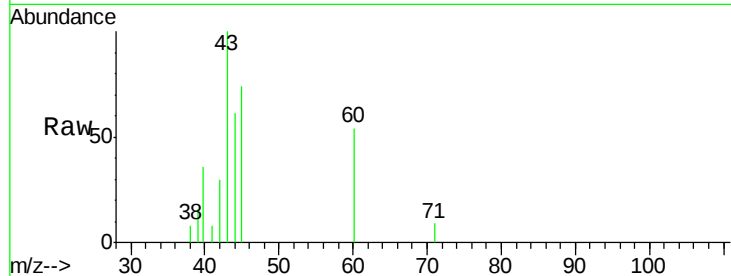




#43
Isopropyl Acetate
Concen: 0.263 ug/l
RT: 8.22 min Scan# 2006
Delta R.T. 0.05 min
Lab File: VN054774.D
Acq: 29 Mar 2019 17:06

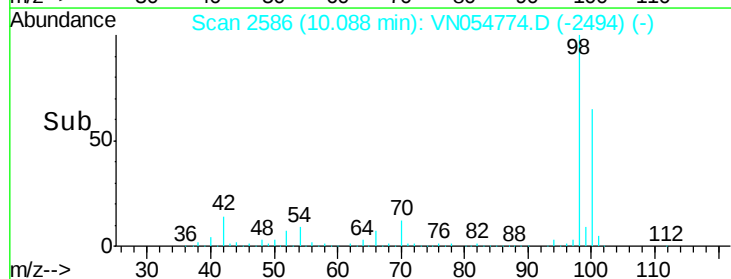
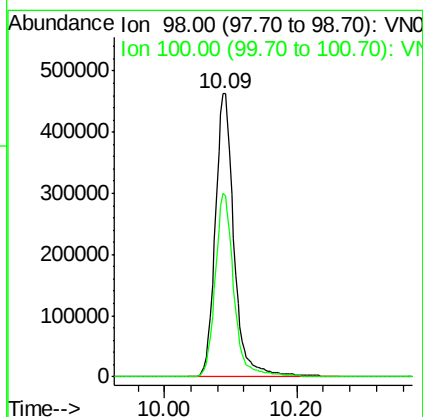
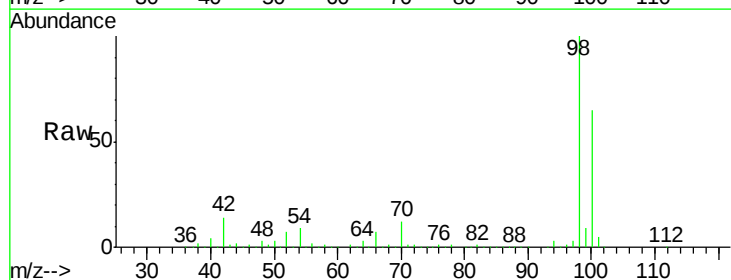
Instrument :
MSVOA_N
ClientSampleId :
TP-9

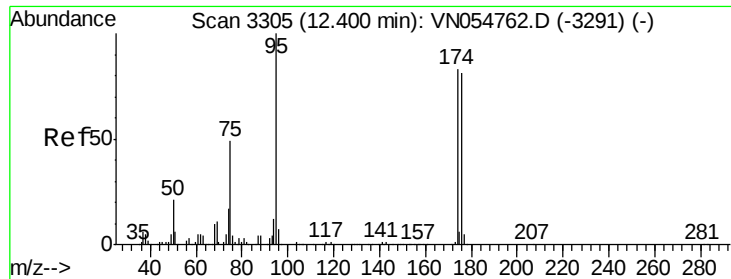
Tgt Ion: 43 Resp: 2224
Ion Ratio Lower Upper
43 100
61 0.0 15.8 23.8#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 48.371 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN054774.D
Acq: 29 Mar 2019 17:06

Tgt Ion: 98 Resp: 912839
Ion Ratio Lower Upper
98 100
100 64.1 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 47.040 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054774.D

Acq: 29 Mar 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

TP-9

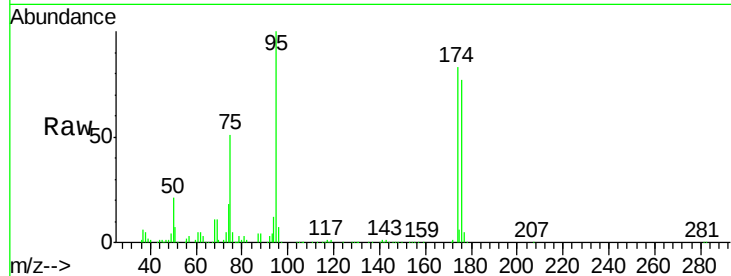
Tgt Ion: 95 Resp: 295236

Ion Ratio Lower Upper

95 100

174 84.4 0.0 191.0

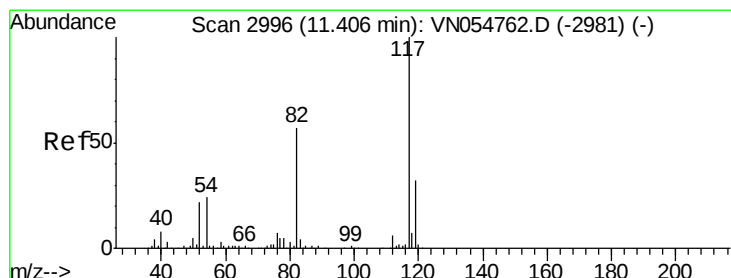
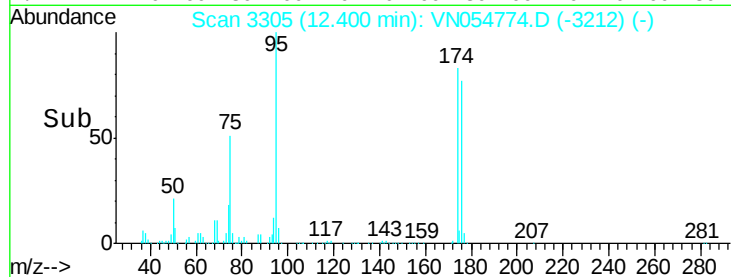
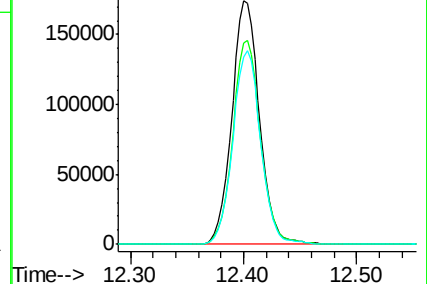
176 80.7 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054762.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN054762.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN054762.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054774.D

Acq: 29 Mar 2019 17:06

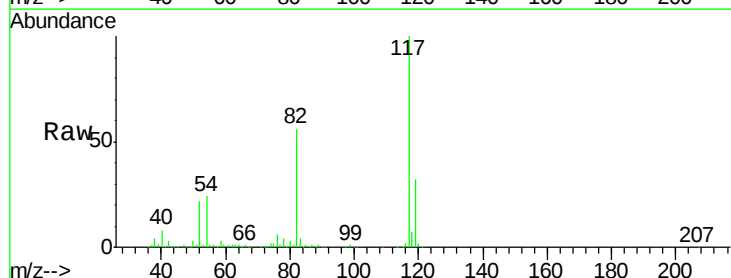
Tgt Ion: 117 Resp: 653339

Ion Ratio Lower Upper

117 100

82 56.4 40.0 60.0

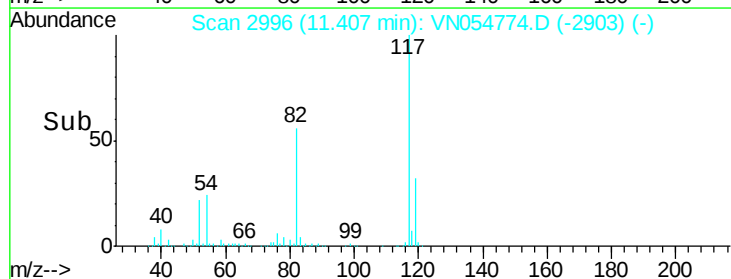
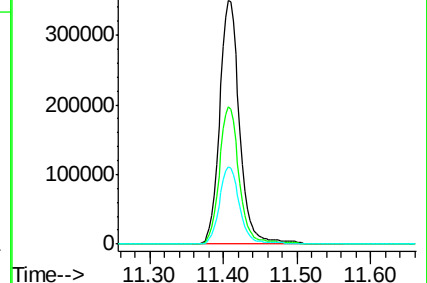
119 31.9 25.8 38.6

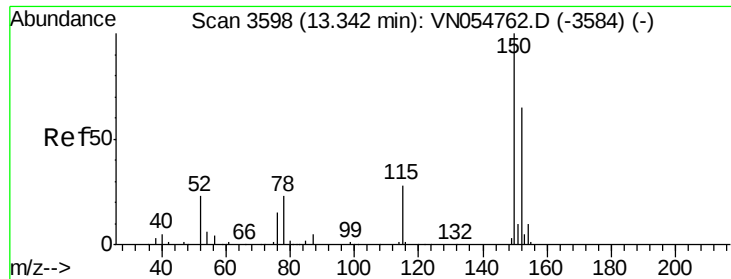


Abundance Ion 116.90 (116.60 to 117.60): VN054762.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN054762.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN054762.D (-2981) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054774.D

Acq: 29 Mar 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

TP-9

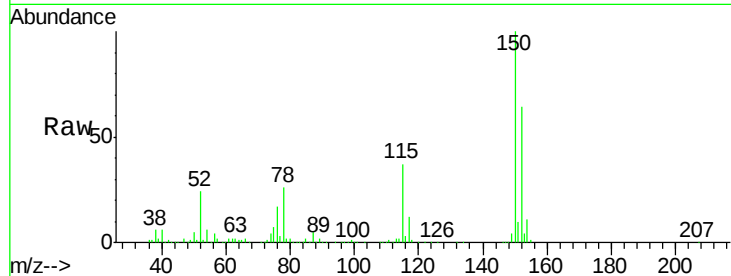
Tgt Ion:152 Resp: 265014

Ion Ratio Lower Upper

152 100

115 57.9 27.2 81.6

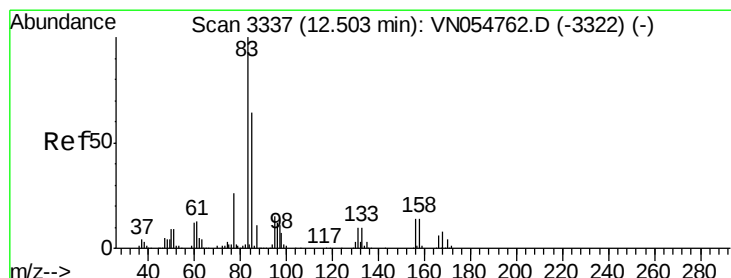
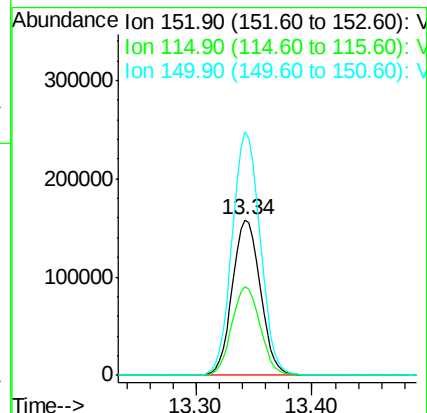
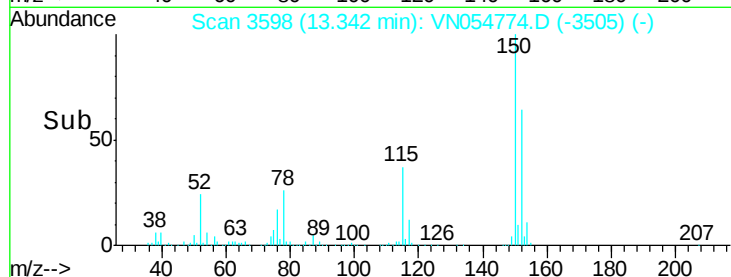
150 156.8 0.0 349.2



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: 12.41 min Scan# 3308

Delta R.T. -0.09 min

Lab File: VN054774.D

Acq: 29 Mar 2019 17:06

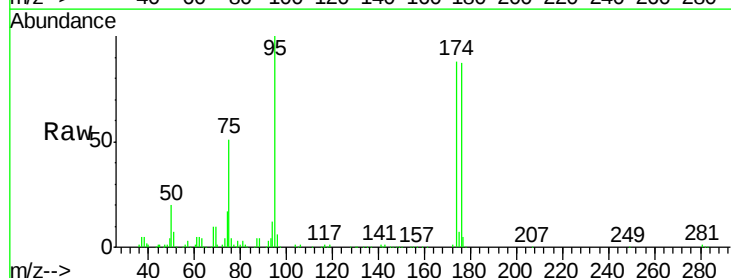
Tgt Ion: 83 Resp: 33

Ion Ratio Lower Upper

83 100

131 178.8 5.8 17.4#

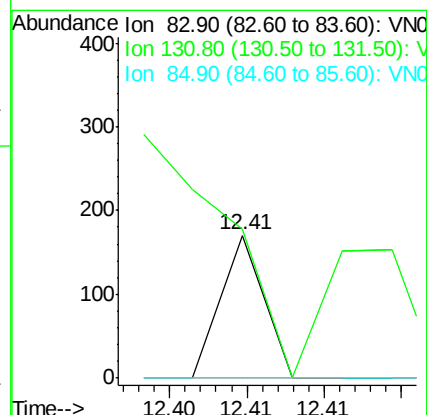
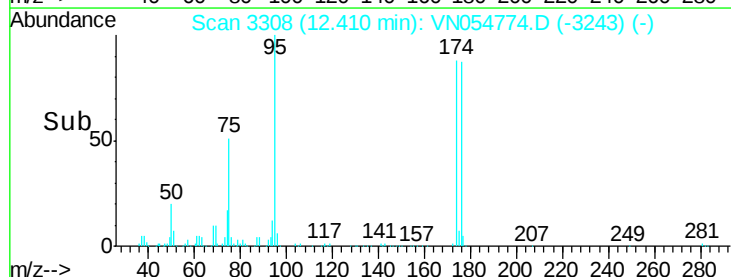
85 0.0 32.2 96.6#

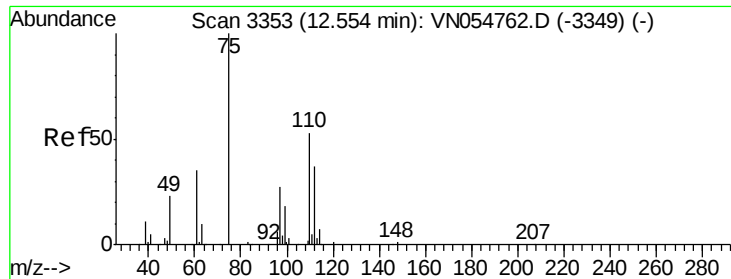


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V

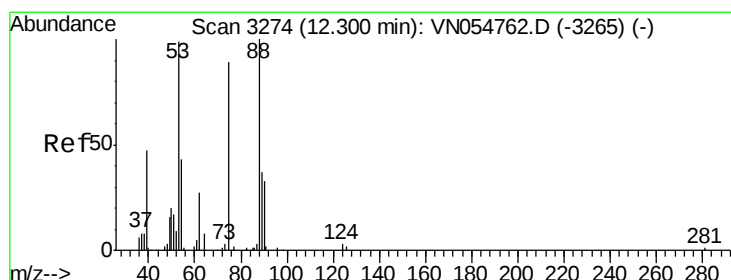
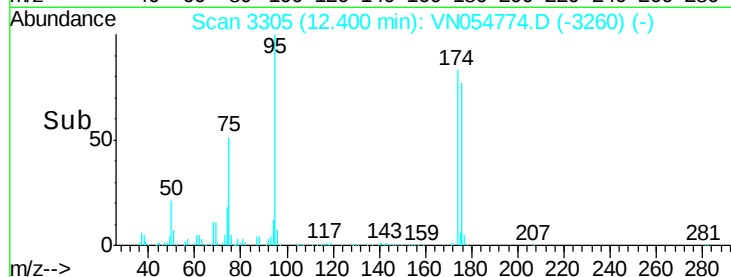
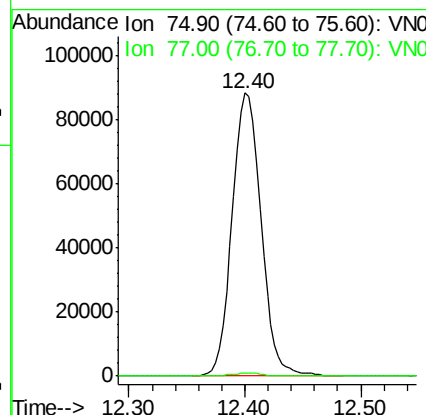
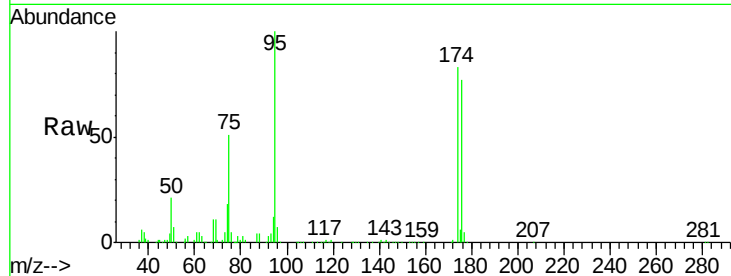




#76
 1,2,3-Trichloropropane
 Concen: 33.353 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN054774.D
 Acq: 29 Mar 2019 17:06

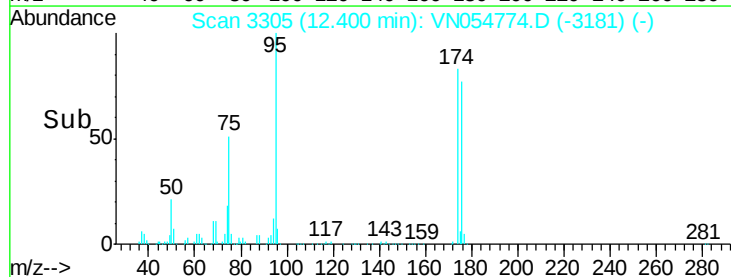
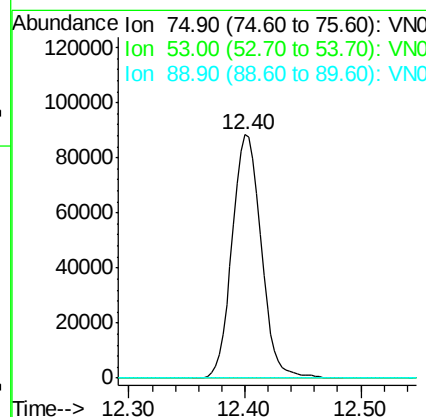
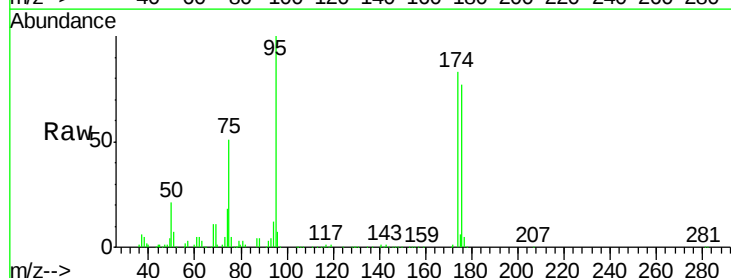
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-9

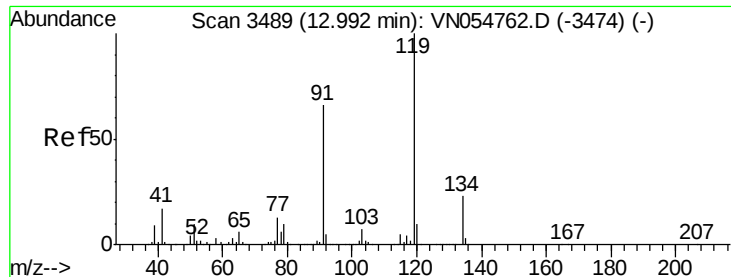
Tgt Ion: 75 Resp: 153552
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.733 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN054774.D
 Acq: 29 Mar 2019 17:06

Tgt Ion: 75 Resp: 153552
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.2 114.2#
 89 0.0 39.2 58.8#

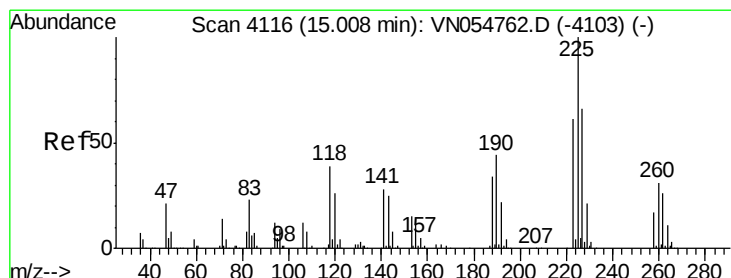
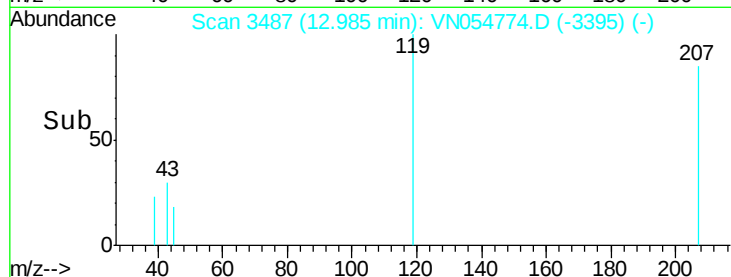
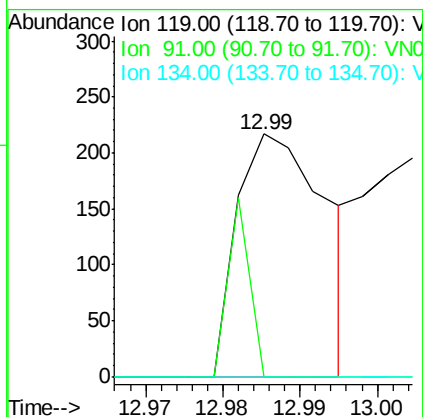
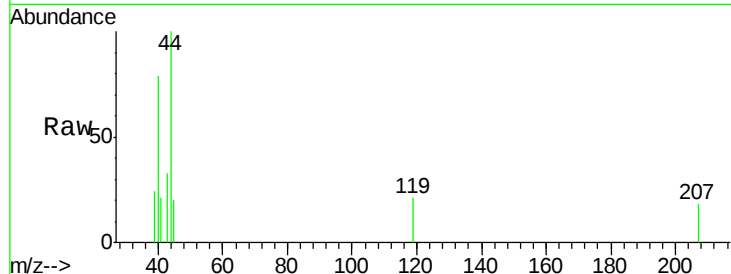




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3487
 Delta R.T. -0.01 min
 Lab File: VN054774.D
 Acq: 29 Mar 2019 17:06

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-9

Tgt Ion:119 Resp: 174
 Ion Ratio Lower Upper
 119 100
 91 17.8 30.9 92.8#
 134 0.0 13.2 39.6#



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.01 min
 Lab File: VN054774.D
 Acq: 29 Mar 2019 17:06

Tgt Ion:225 Resp: 34
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.1 93.5#
 227 0.0 31.9 95.9#

