

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040319\
 Data File : VN054932.D
 Acq On : 3 Apr 2019 18:39
 Operator : JC/SP
 Sample : K1696-03 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 04 01:13:30 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

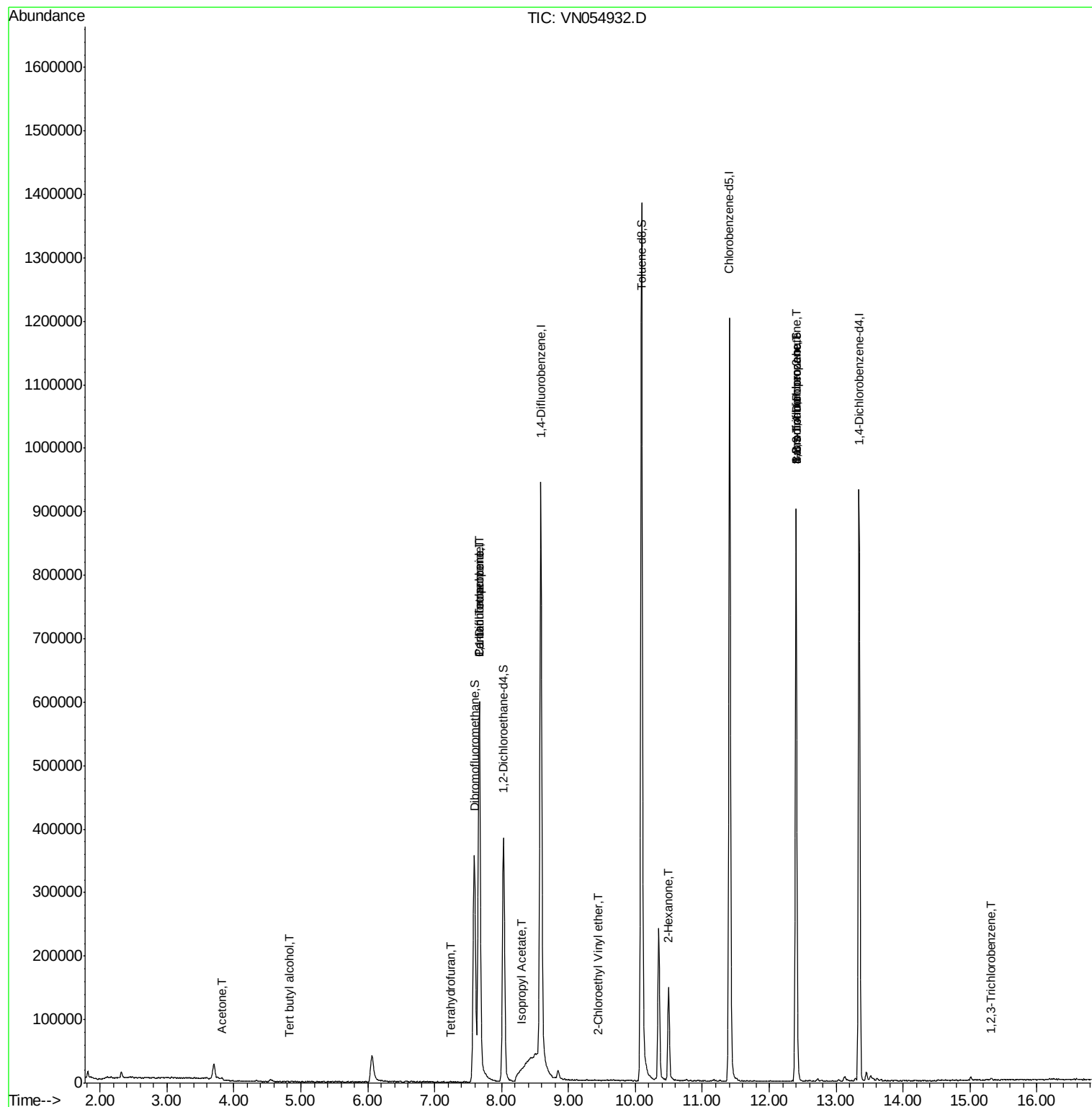
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	503466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	838820	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	711357	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	251599	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	329656	48.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.14%	
35) Dibromofluoromethane	7.59	113	273448	48.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.80%	
50) Toluene-d8	10.09	98	1006810	48.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.86%	
62) 4-Bromofluorobenzene	12.40	95	304510	44.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.08%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.58	94	61	Below Cal	#	11
11) Tert butyl alcohol	4.82	59	71	0.201 ug/l	#	70
16) Acetone	3.82	43	3834	2.369 ug/l		90
18) Methyl Acetate	4.34	43	1641	Below Cal	#	79
29) Tetrahydrofuran	7.23	42	752	0.453 ug/l	#	30
31) Cyclohexane	7.67	56	10685	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	38813	4.966 ug/l	#	47
38) Carbon Tetrachloride	7.67	117	47023	6.194 ug/l	#	16
43) Isopropyl Acetate	8.30	43	33992	3.650 ug/l	#	60
58) 2-Chloroethyl Vinyl ether	9.45	63	64	10.376 ug/l	#	44
59) 2-Hexanone	10.50	43	12864	3.838 ug/l		81
71) Bromoform	12.40	173	3003	0.983 ug/l	#	1
75) 1,1,2,2-Tetrachloroethane	12.50	83	168	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	158190	36.192 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.40	75	158190	140.778 ug/l	#	11
83) tert-Butylbenzene	13.05	119	29	Below Cal	#	1
94) Hexachlorobutadiene	15.01	225	1080	Below Cal		78
96) 1,2,3-Trichlorobenzene	15.31	180	958	0.235 ug/l	#	76

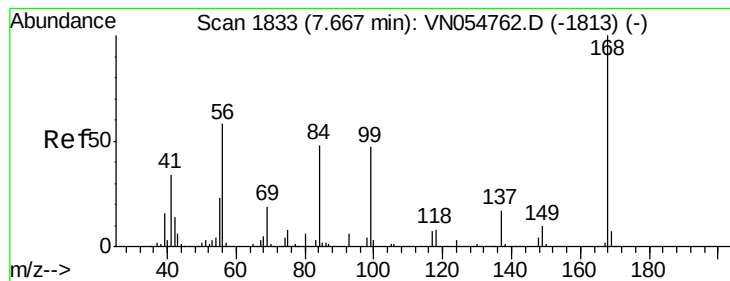
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Mar 30 00:48:18 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054932.D

Acq: 3 Apr 2019 18:39

Instrument :

MSVOA_N

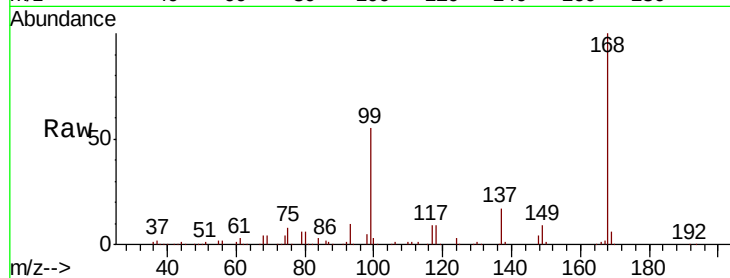
ClientSampleId :

Tot Ion:168 Resp: 503466

Ion Ratio Lower Upper

168 100

99 54.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054762.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN054762.D (-1813) (-)

7.67

200000

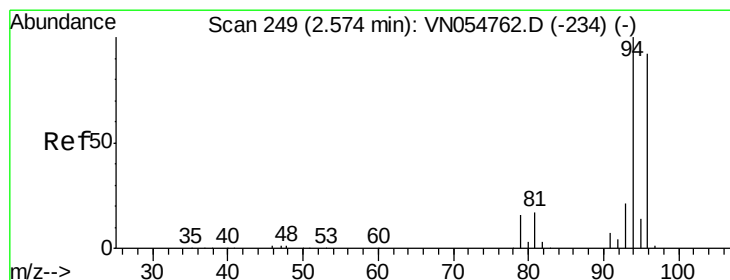
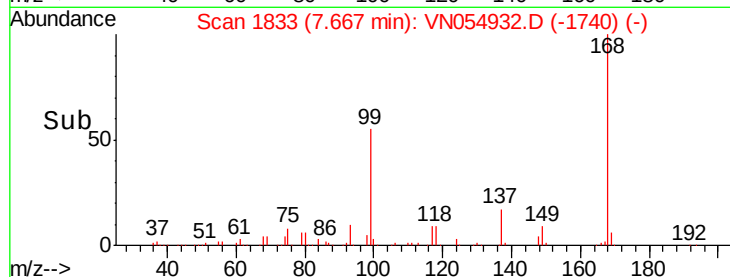
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054932.D

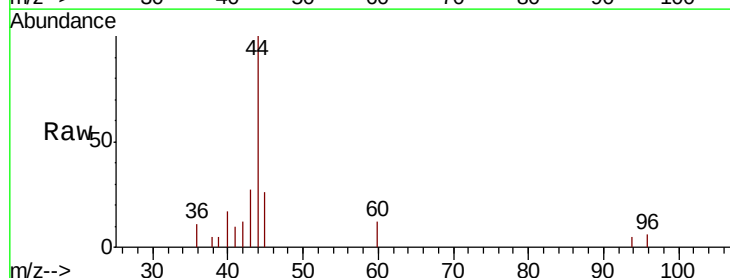
Acq: 3 Apr 2019 18:39

Tgt Ion: 94 Resp: 61

Ion Ratio Lower Upper

94 100

96 8.7 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN054762.D (-234) (-)

Ion 95.90 (95.60 to 96.60): VN054762.D (-234) (-)

250

200

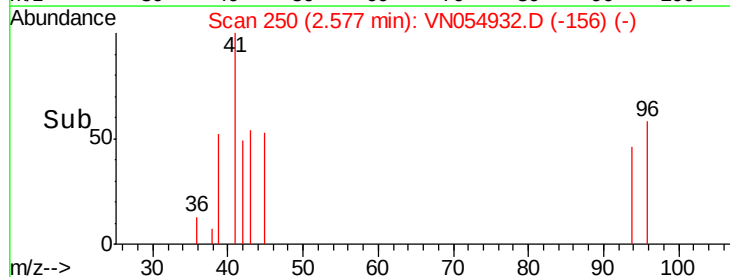
150

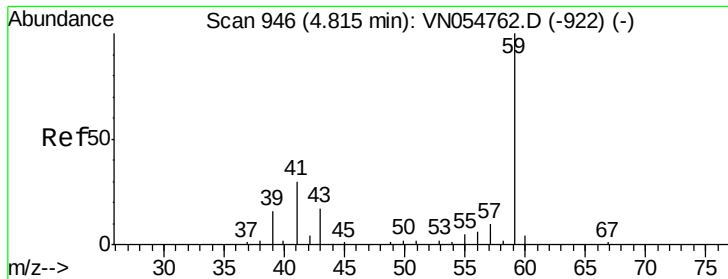
100

50

0

Time-->



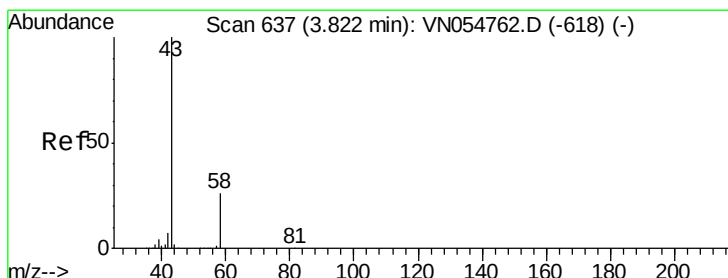
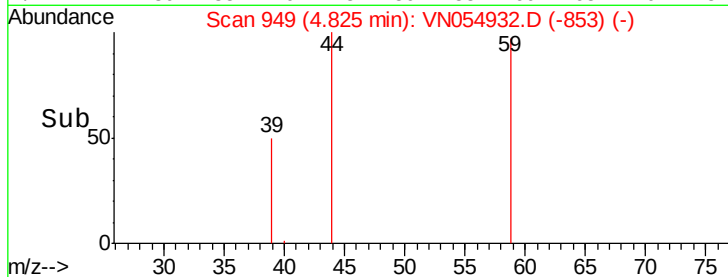
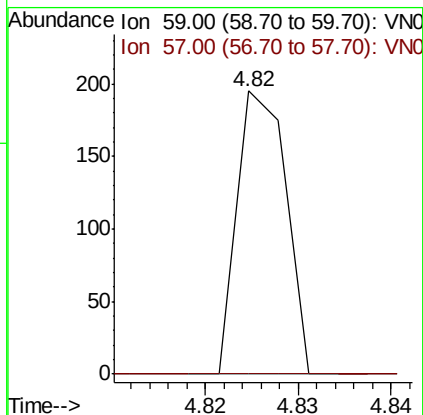
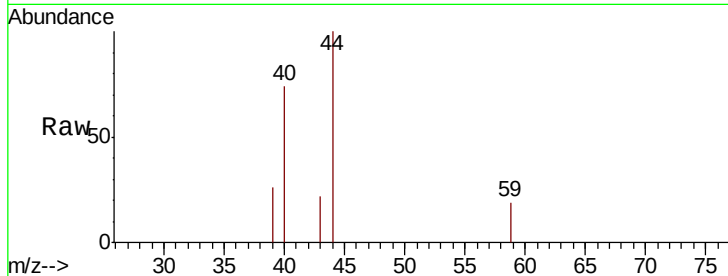


#11

Tert butyl alcohol
 Concen: 0.201 ug/l
 RT: 4.82 min Scan# 949
 Delta R.T. 0.01 min
 Lab File: VN054932.D
 Acq: 3 Apr 2019 18:39

Instrument :
 MSVOA_N
 ClientSampled :

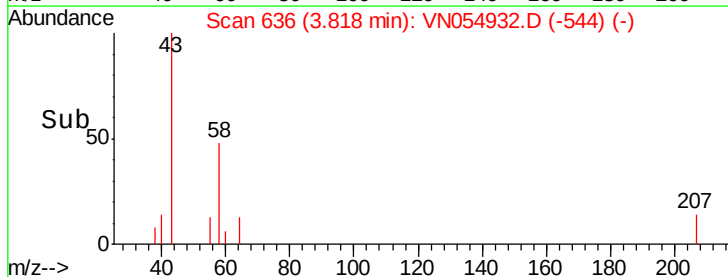
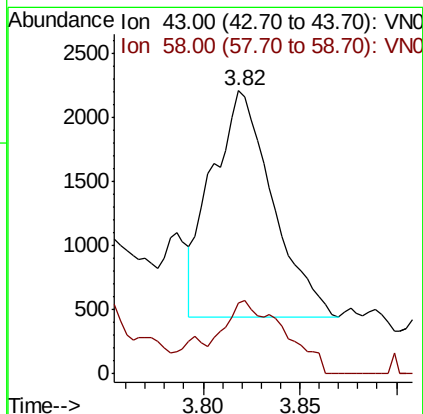
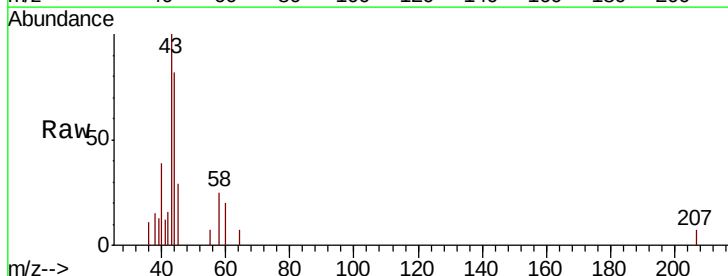
Tot Ion: 59 Resp: 71
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

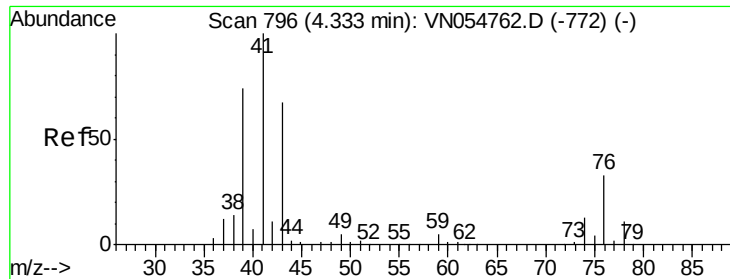


#16

Acetone
 Concen: 2.369 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VN054932.D
 Acq: 3 Apr 2019 18:39

Tgt Ion: 43 Resp: 3834
 Ion Ratio Lower Upper
 43 100
 58 31.4 29.9 44.9

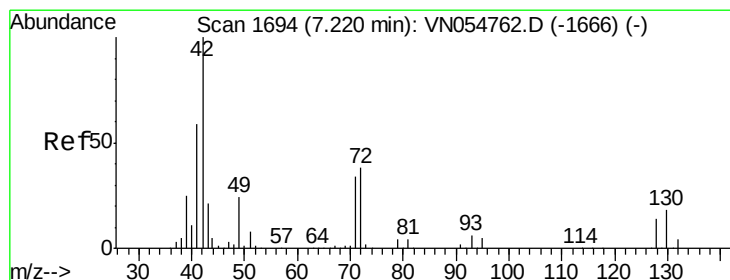
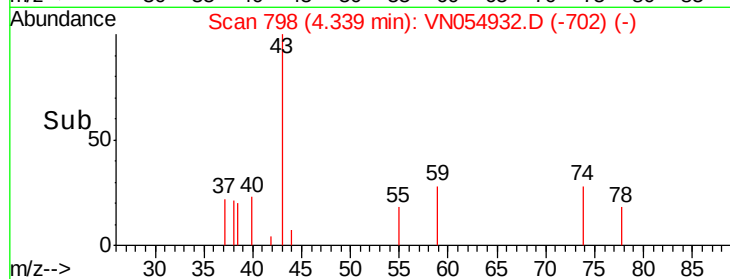
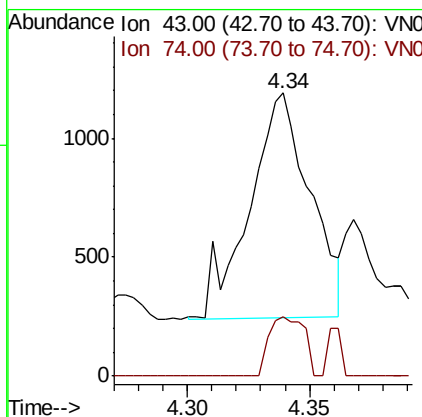
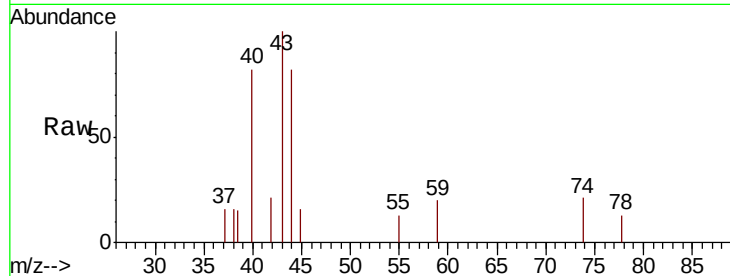




#18
Methvl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 798
Delta R.T. 0.01 min
Lab File: VN054932.D
Acq: 3 Apr 2019 18:39

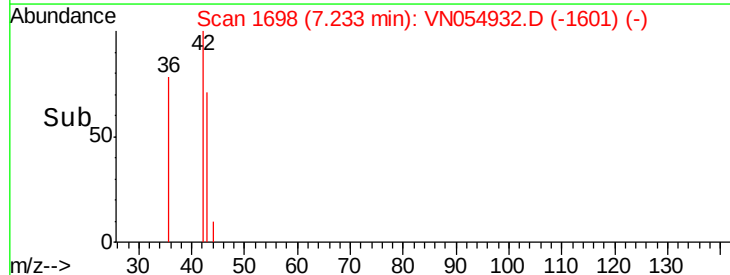
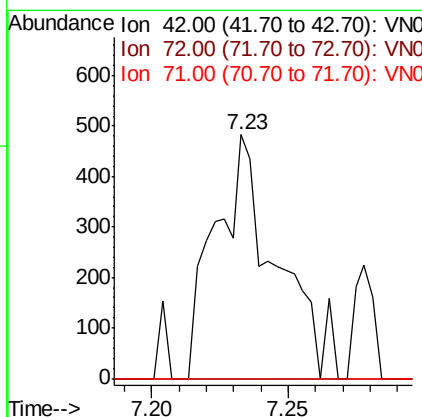
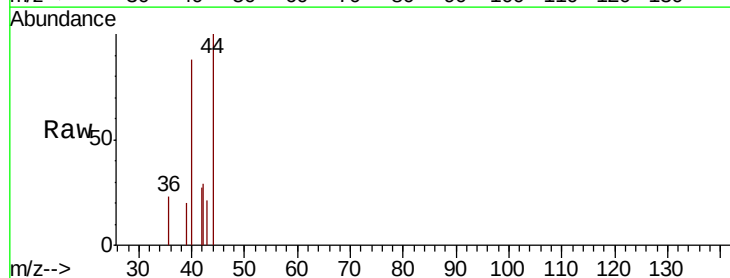
Instrument :
MSVOA_N
ClientSampled :

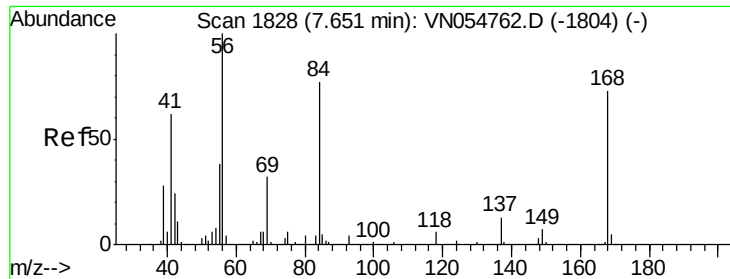
Tot Ion: 43 Resp: 1641
Ion Ratio Lower Upper
43 100
74 15.3 20.8 31.2#



#29
Tetrahydrofuran
Concen: 0.453 ug/l
RT: 7.23 min Scan# 1698
Delta R.T. 0.01 min
Lab File: VN054932.D
Acq: 3 Apr 2019 18:39

Tgt Ion: 42 Resp: 752
Ion Ratio Lower Upper
42 100
72 0.0 37.8 56.6#
71 0.0 36.2 54.2#

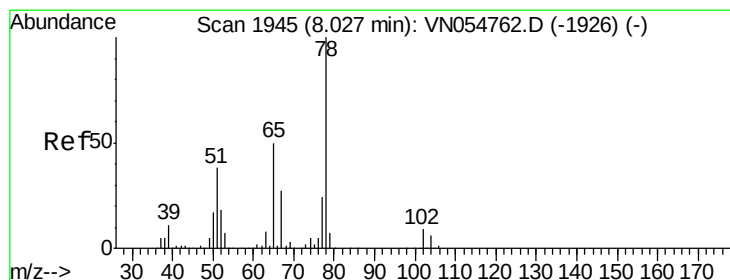
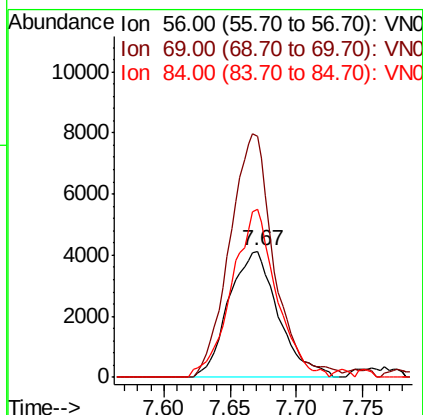
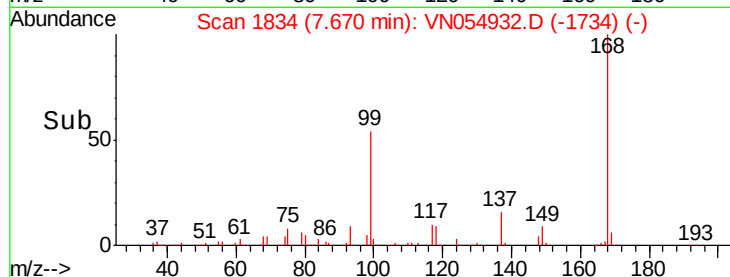
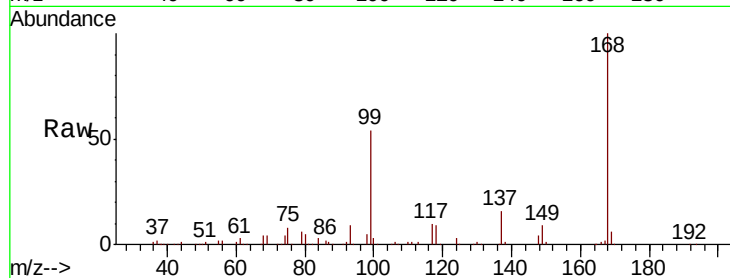




#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1834
Delta R.T. 0.02 min
Lab File: VN054932.D
Acq: 3 Apr 2019 18:39

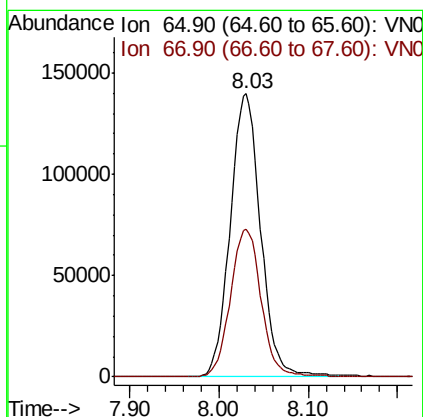
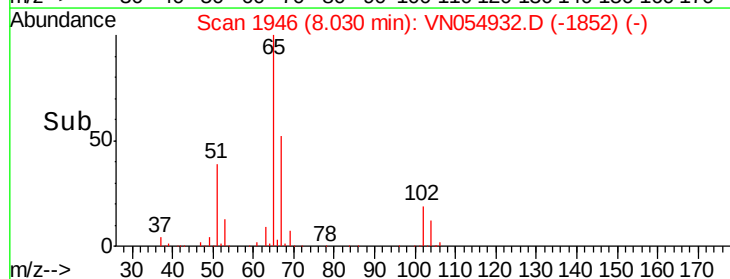
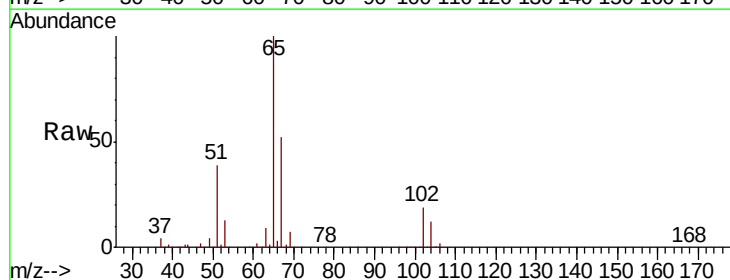
Instrument :
MSVOA_N
ClientSampled :

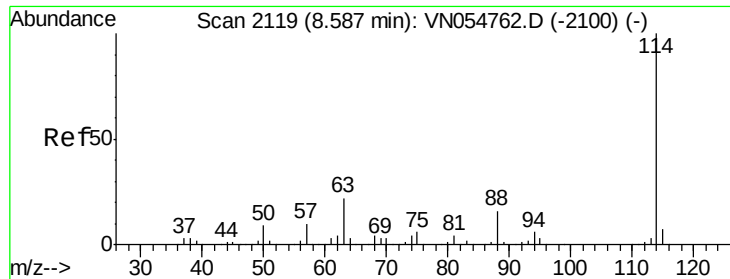
Tot Ion: 56 Resp: 10685
Ion Ratio Lower Upper
56 100
69 191.5 27.8 41.6#
84 133.4 74.6 111.8#



#33
1,2-Dichloroethane-d4
Concen: 48.573 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN054932.D
Acq: 3 Apr 2019 18:39

Tgt Ion: 65 Resp: 329656
Ion Ratio Lower Upper
65 100
67 52.9 0.0 104.6

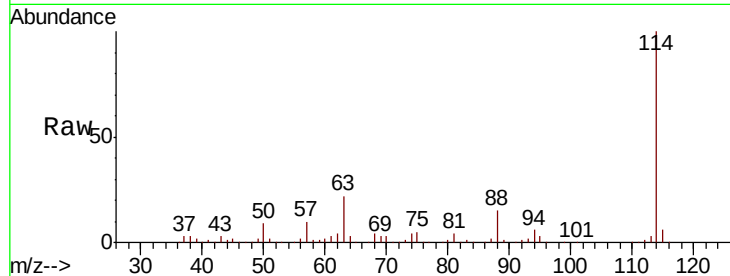




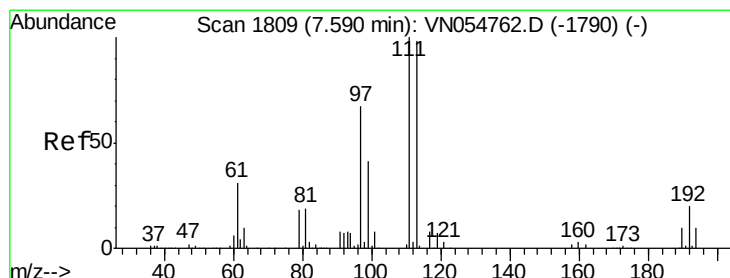
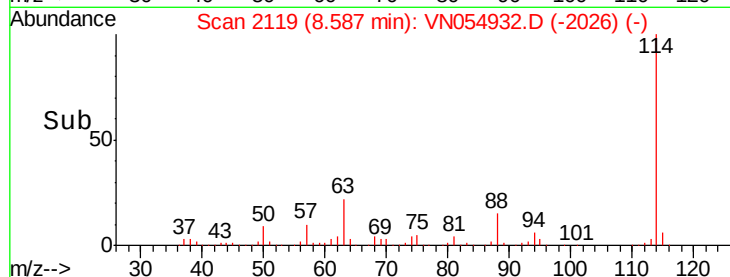
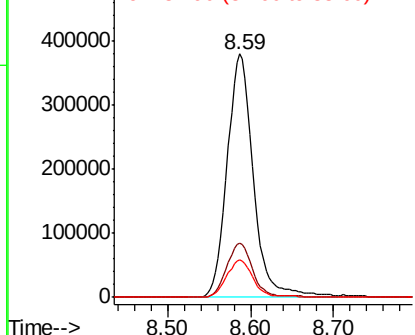
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054932.D
 Acq: 3 Apr 2019 18:39

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 838820
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 35.2
 88 15.4 0.0 30.2

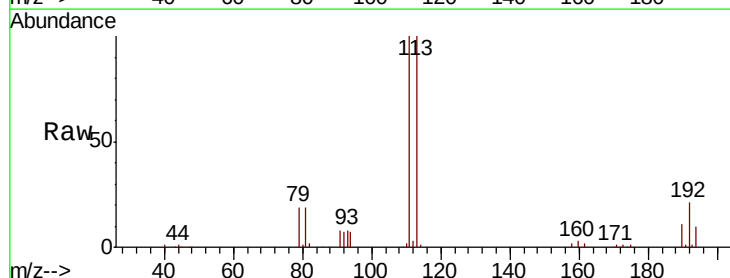


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

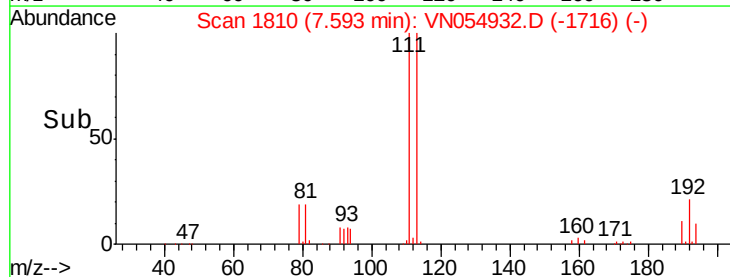
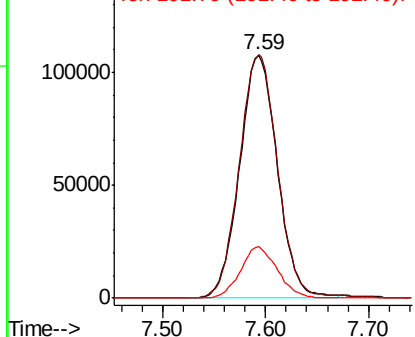


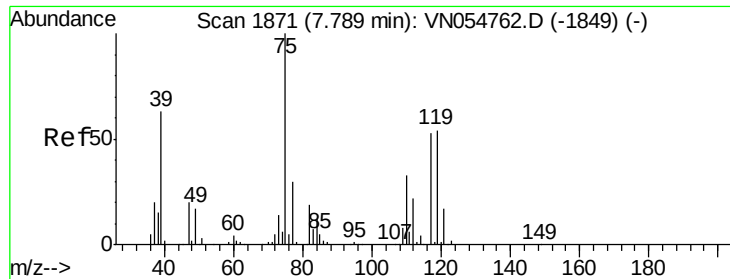
#35
 Dibromofluoromethane
 Concen: 48.897 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054932.D
 Acq: 3 Apr 2019 18:39

Tgt Ion:113 Resp: 273448
 Ion Ratio Lower Upper
 113 100
 111 101.3 82.2 123.4
 192 20.7 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

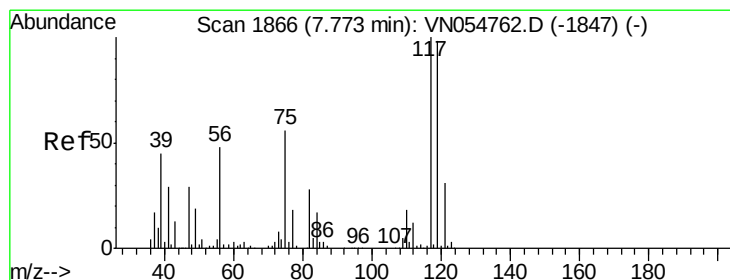
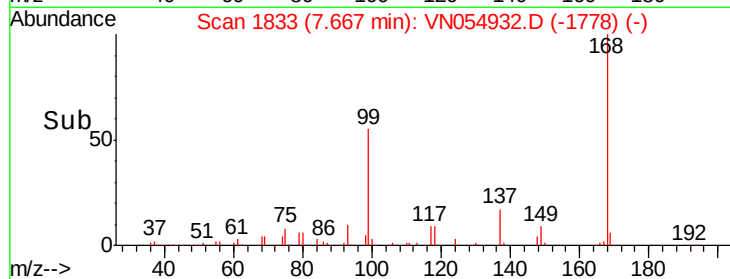
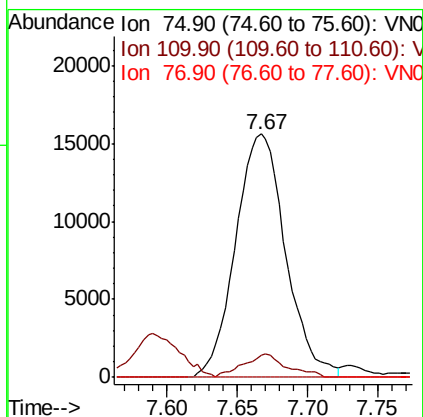
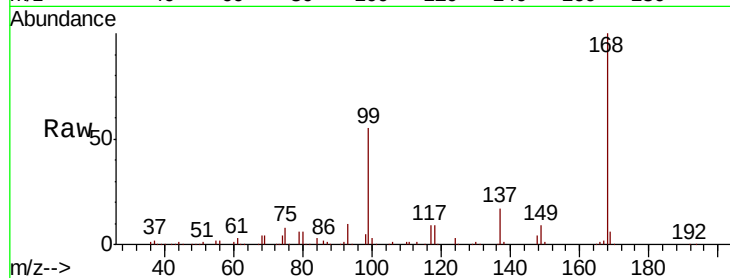




#36
 1,1-Dichloropropene
 Concen: 4.966 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN054932.D
 Acq: 3 Apr 2019 18:39

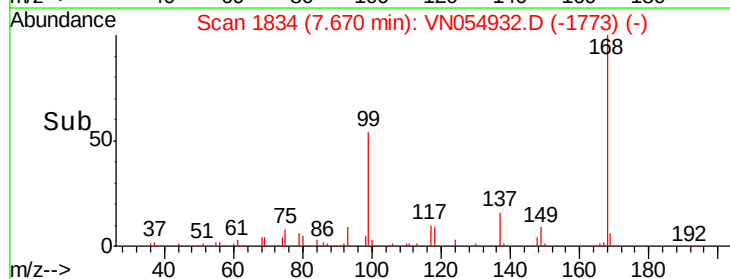
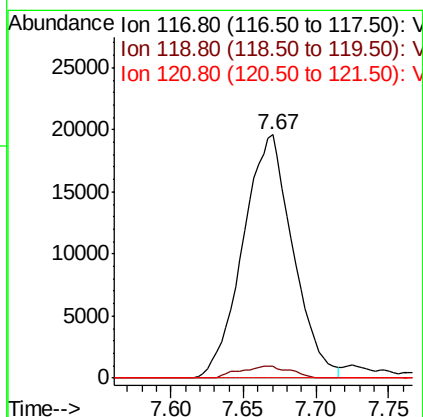
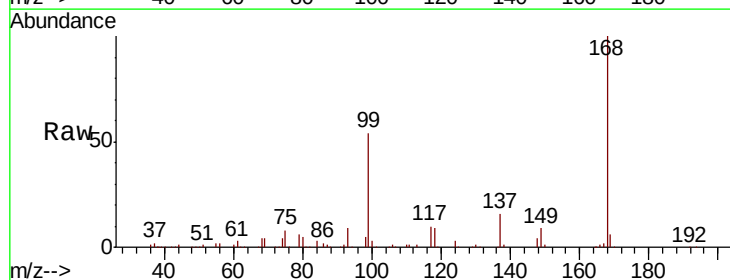
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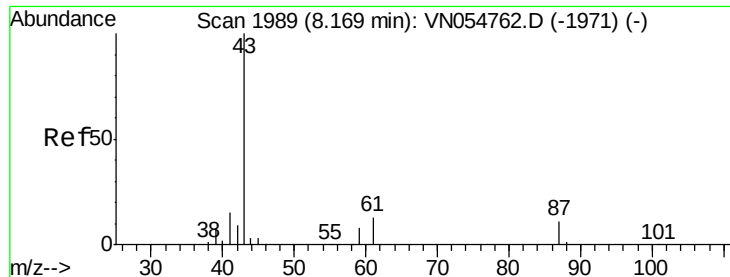
Tot Ion	75	Resp	38813
Ion Ratio	Lower	Upper	
75	100		
110	8.4	19.1	57.5#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.194 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.10 min
 Lab File: VN054932.D
 Acq: 3 Apr 2019 18:39

Tgt Ion	117	Resp	47023
Ion Ratio	Lower	Upper	
117	100		
119	4.8	76.3	114.5#
121	0.0	24.6	36.8#





#43

Isopropyl Acetate

Concen: 3.650 ug/l

RT: 8.30 min Scan# 2031

Delta R.T. 0.13 min

Lab File: VN054932.D

Acq: 3 Apr 2019 18:39

Instrument :

MSVOA_N

ClientSampled :

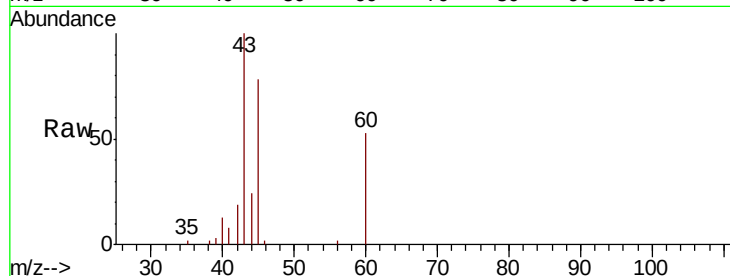
Tot Ion: 43 Resp: 33992

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

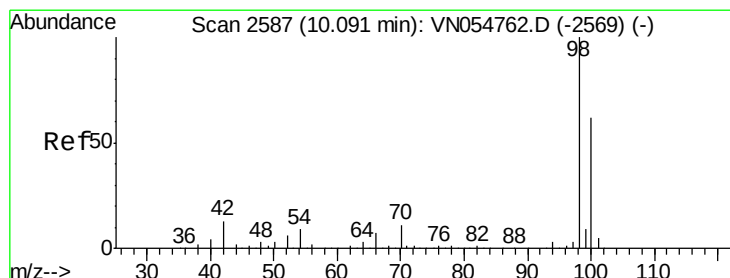
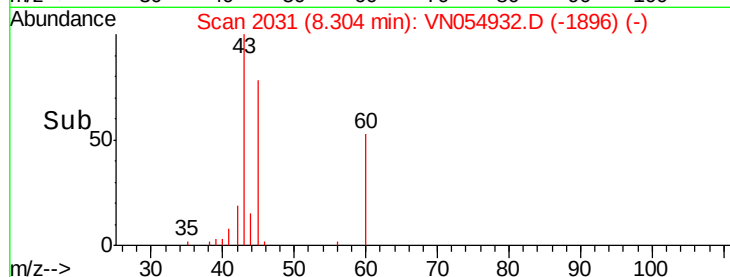
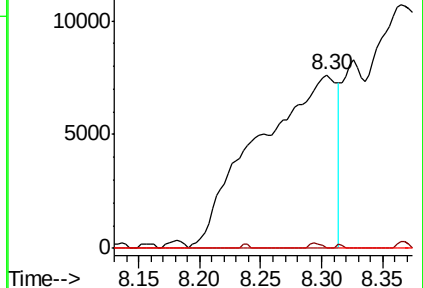
87 0.0 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 48.425 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054932.D

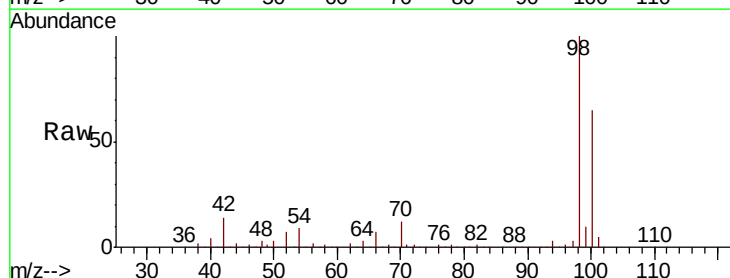
Acq: 3 Apr 2019 18:39

Tgt Ion: 98 Resp: 1006810

Ion Ratio Lower Upper

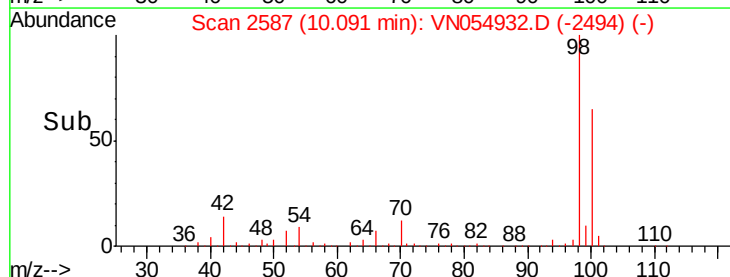
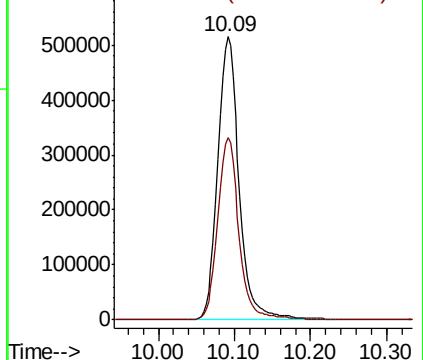
98 100

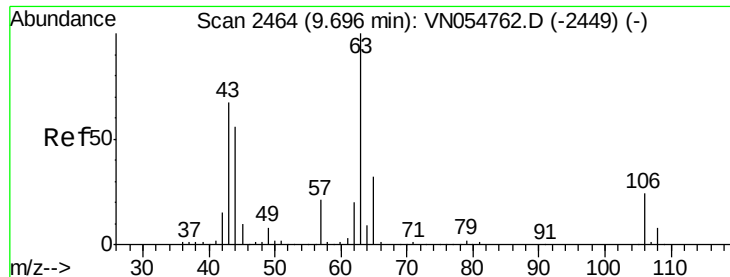
100 64.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

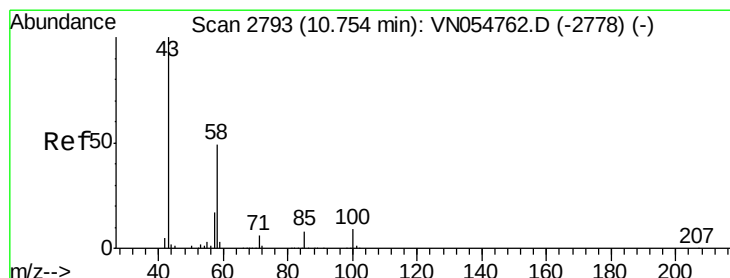
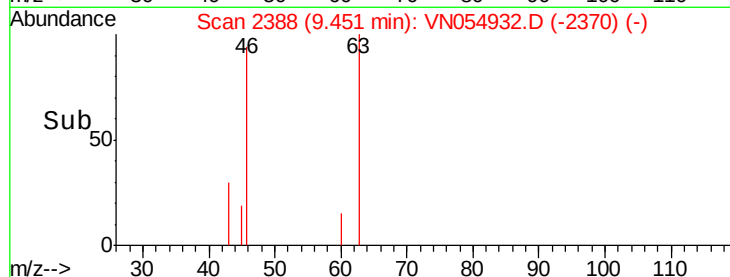
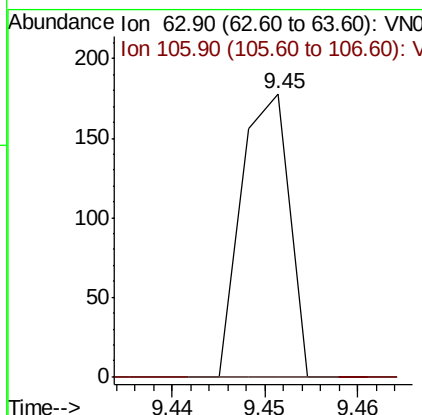
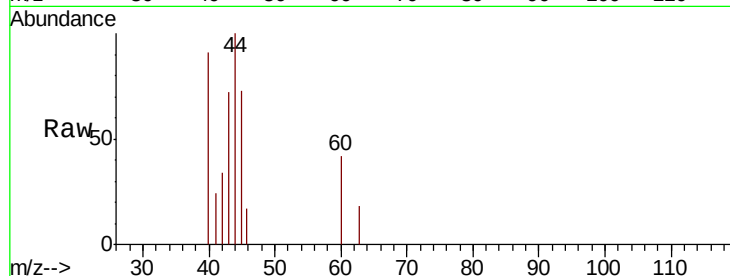




#58
 2-Chloroethyl Vinyl ether
 Concen: 10.376 ug/l
 RT: 9.45 min Scan# 2388
 Delta R.T. -0.24 min
 Lab File: VN054932.D
 Acq: 3 Apr 2019 18:39

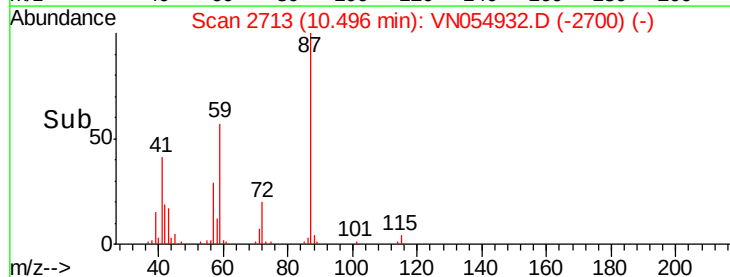
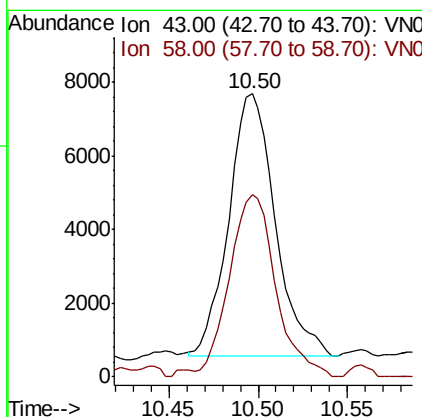
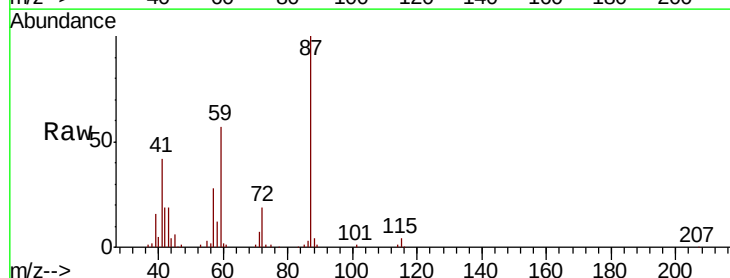
Instrument :
 MSVOA_N
 ClientSampleId :

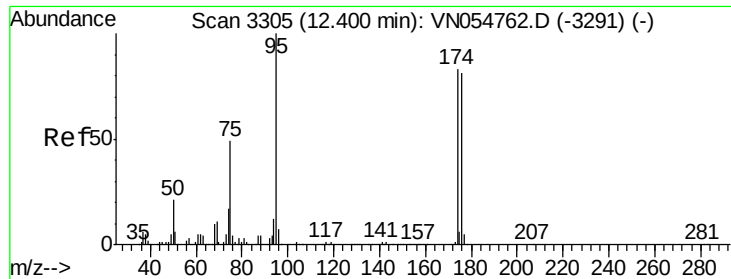
Tot Ion: 63 Resp: 64
 Ion Ratio Lower Upper
 63 100
 106 0.0 24.4 36.6#



#59
 2-Hexanone
 Concen: 3.838 ug/l
 RT: 10.50 min Scan# 2713
 Delta R.T. -0.26 min
 Lab File: VN054932.D
 Acq: 3 Apr 2019 18:39

Tgt Ion: 43 Resp: 12864
 Ion Ratio Lower Upper
 43 100
 58 69.6 28.0 83.9

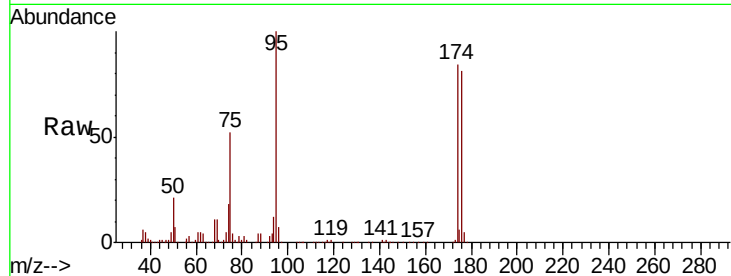




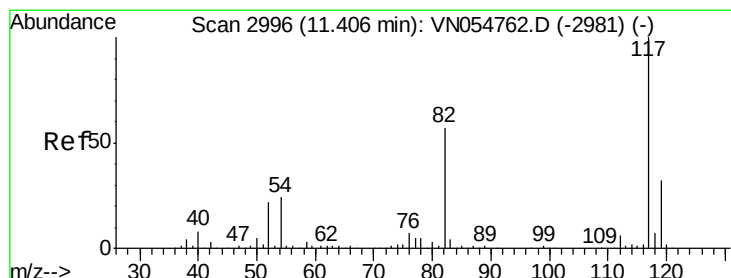
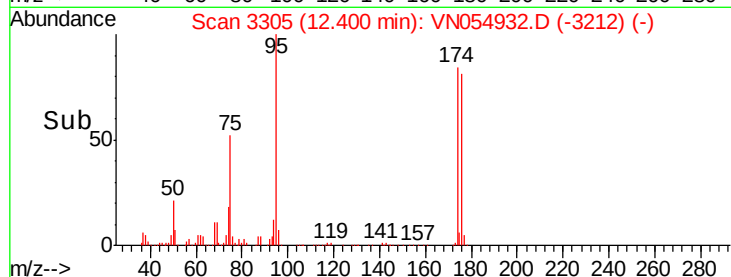
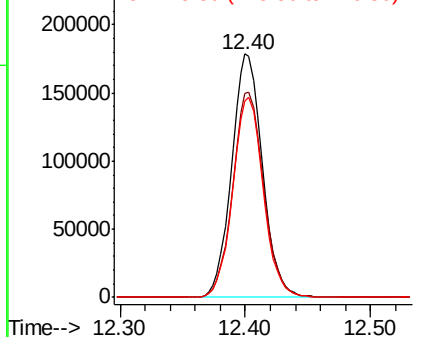
#62
4-Bromofluorobenzene
Concen: 44.039 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054932.D
Acq: 3 Apr 2019 18:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	95	Resp	304510
Ion Ratio	Lower	Upper	
95	100		
174	84.8	0.0	191.0
176	81.7	0.0	187.4

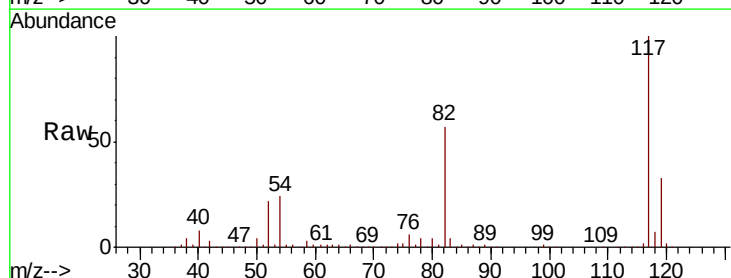


Abundance Ion 94.90 (94.60 to 95.60): VN054762.D (-3291) (-)
Ion 173.80 (173.50 to 174.50): VN054762.D (-3291) (-)
Ion 175.80 (175.50 to 176.50): VN054762.D (-3291) (-)

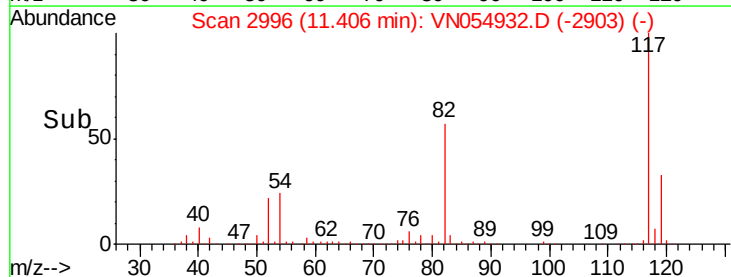
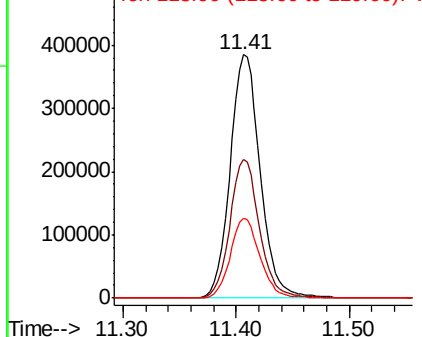


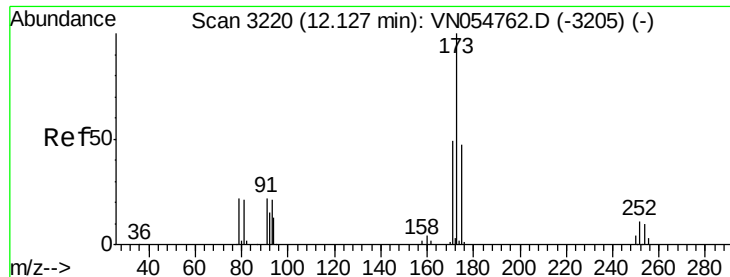
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054932.D
Acq: 3 Apr 2019 18:39

Tgt Ion	117	Resp	711357
Ion Ratio	Lower	Upper	
117	100		
82	56.9	40.0	60.0
119	32.9	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) (-)





#71

Bromoform

Concen: 0.983 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN054932.D

Acq: 3 Apr 2019 18:39

Instrument :

MSVOA_N

ClientSampled :

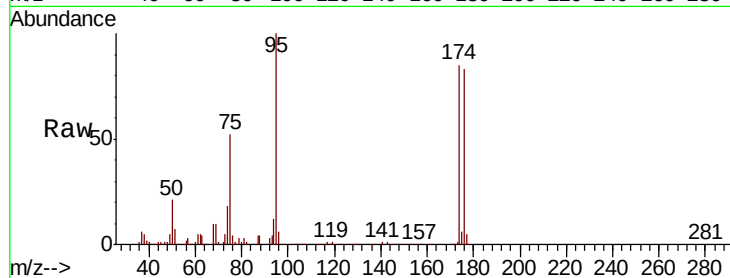
Tot Ion:173 Resp: 3003

Ion Ratio Lower Upper

173 100

175 569.5 24.4 73.2#

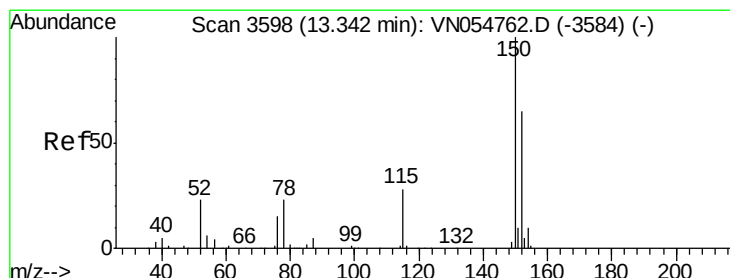
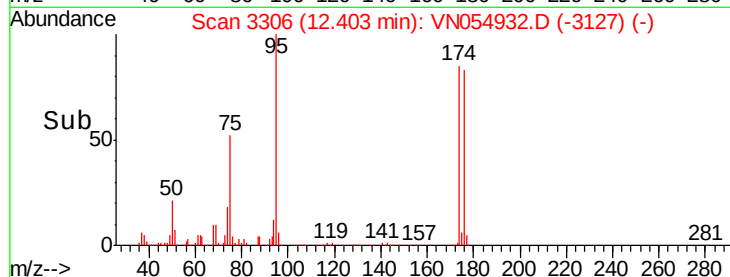
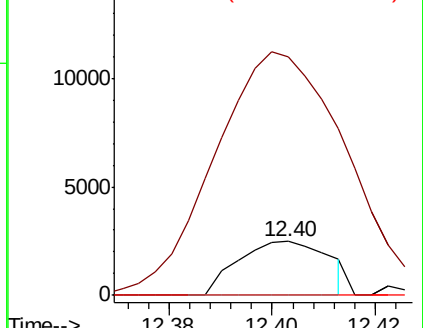
254 0.0 0.1 0.1#



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: VN054932.D

Acq: 3 Apr 2019 18:39

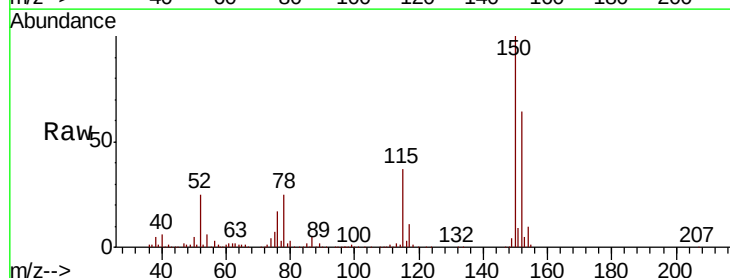
Tgt Ion:152 Resp: 251599

Ion Ratio Lower Upper

152 100

115 58.1 27.2 81.6

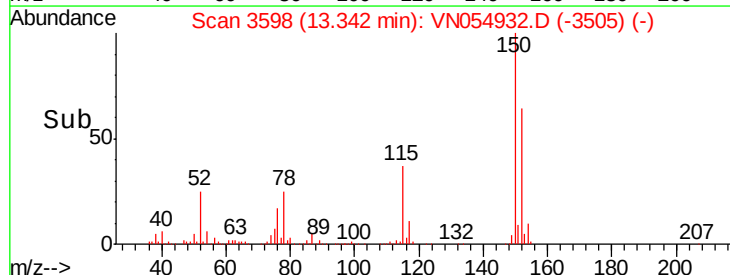
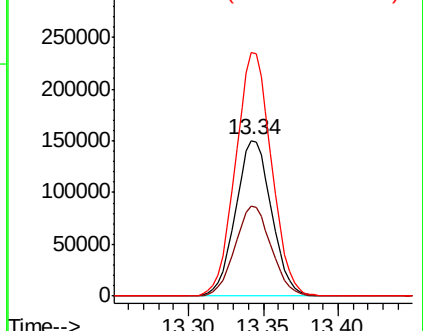
150 156.5 0.0 349.2

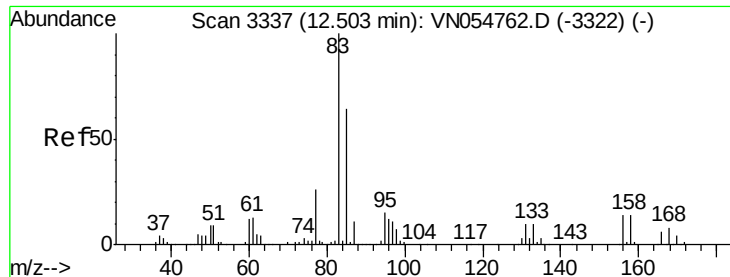


Abundance Ion 151.90 (151.60 to 152.60): V

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: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN054932.D

Acq: 3 Apr 2019 18:39

Instrument :

MSVOA_N

ClientSampleId :

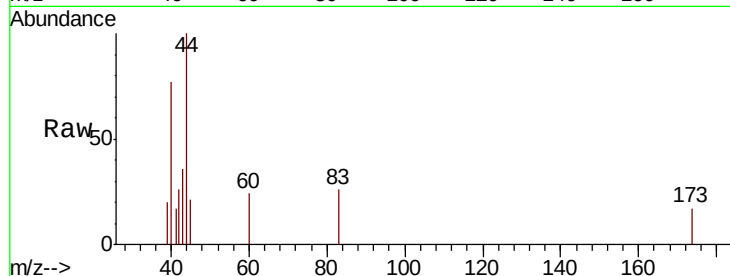
Tot Ion: 83 Resp: 168

Ion Ratio Lower Upper

83 100

131 0.0 5.8 17.4#

85 0.0 32.2 96.6#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

12.50

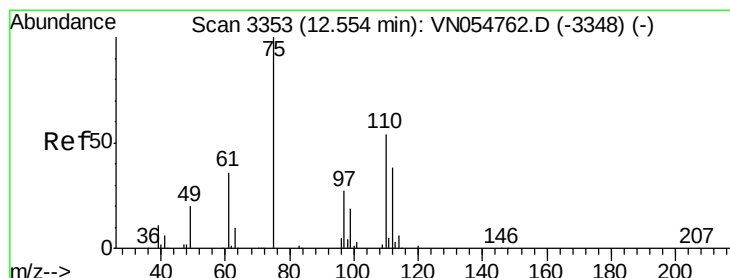
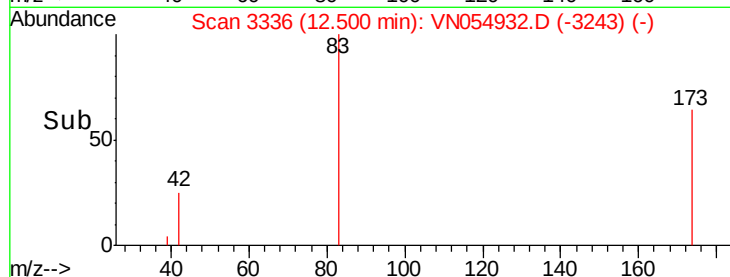
200

100

0

12.49 12.50 12.51

Time-->



#76

1,2,3-Trichloropropane

Concen: 36.192 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054932.D

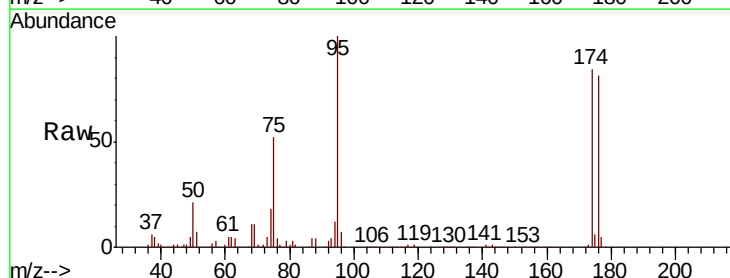
Acq: 3 Apr 2019 18:39

Tgt Ion: 75 Resp: 158190

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

100000

80000

60000

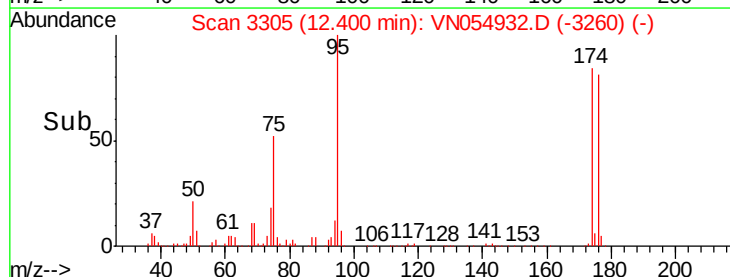
40000

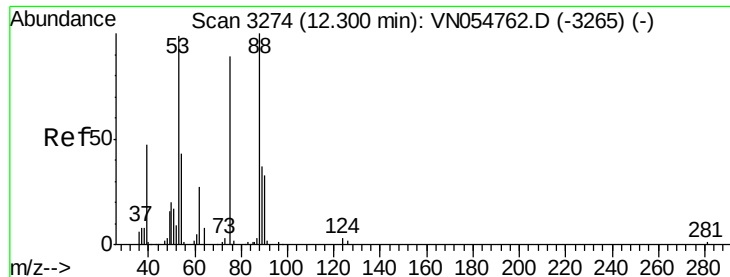
20000

0

12.30 12.40 12.50

Time-->

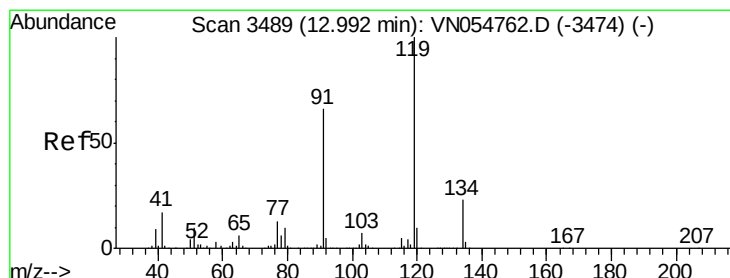
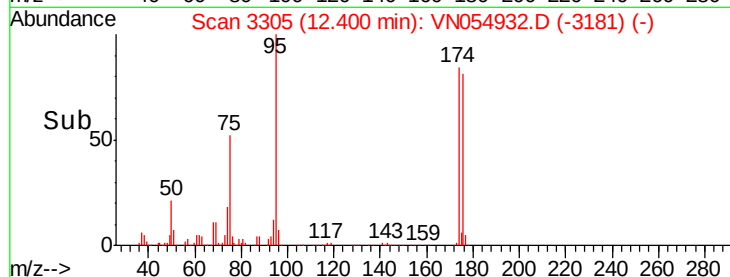
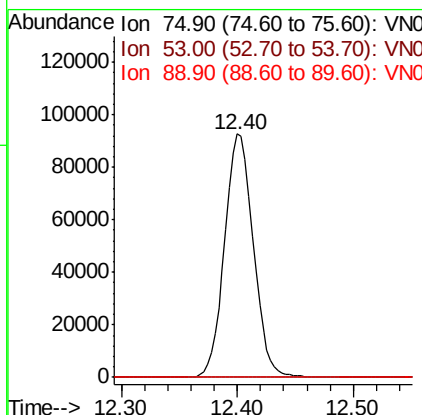
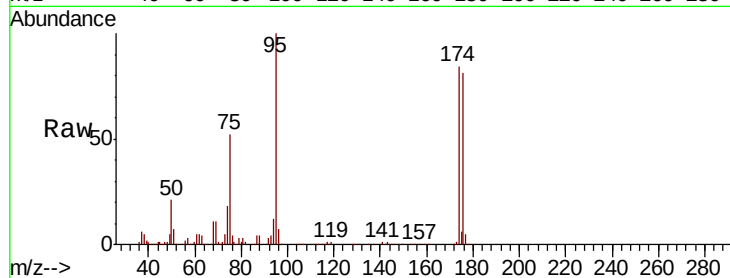




#81
 trans-1,4-Dichloro-2-butene
 Concen: 140.778 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN054932.D
 Acq: 3 Apr 2019 18:39

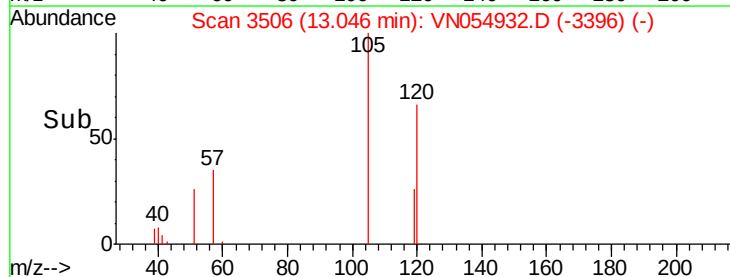
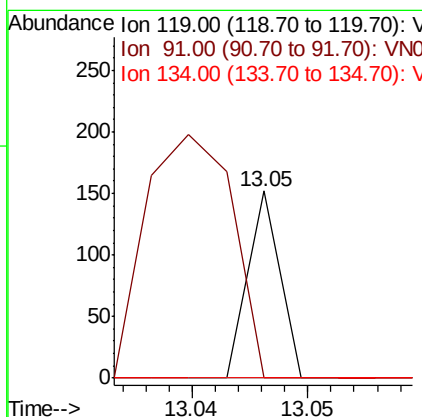
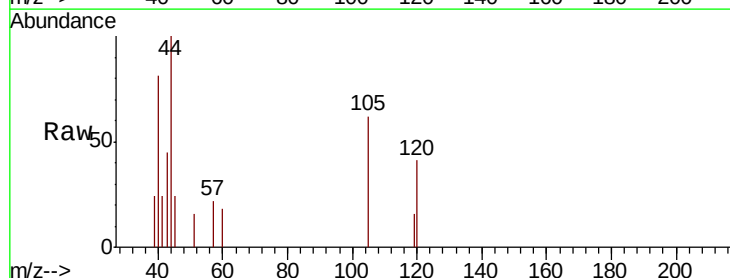
Instrument :
 MSVOA_N
 ClientSampled :

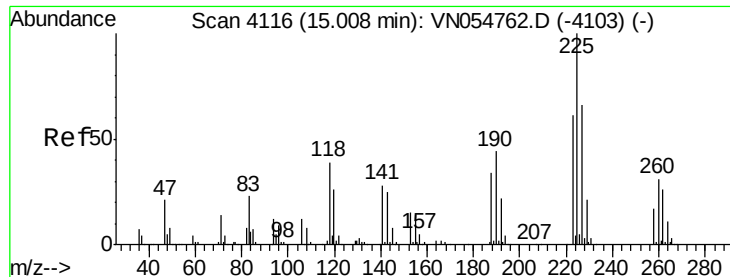
Tot Ion: 75 Resp: 158190
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.2 114.2#
 89 0.0 39.2 58.8#



#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.06 min
 Lab File: VN054932.D
 Acq: 3 Apr 2019 18:39

Tgt Ion: 119 Resp: 29
 Ion Ratio Lower Upper
 119 100
 91 351.7 30.9 92.8#
 134 0.0 13.2 39.6#





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN054932.D

Acq: 3 Apr 2019 18:39

Instrument :

MSVOA_N

ClientSampled :

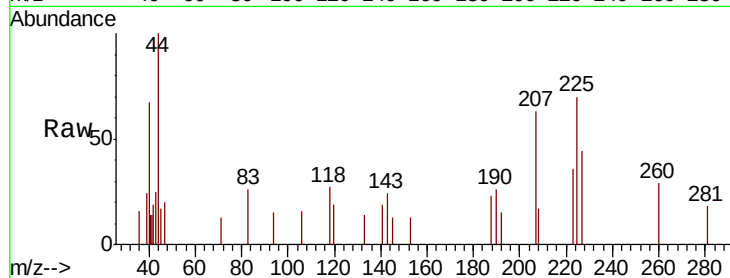
Tot Ion:225 Resp: 1080

Ion Ratio Lower Upper

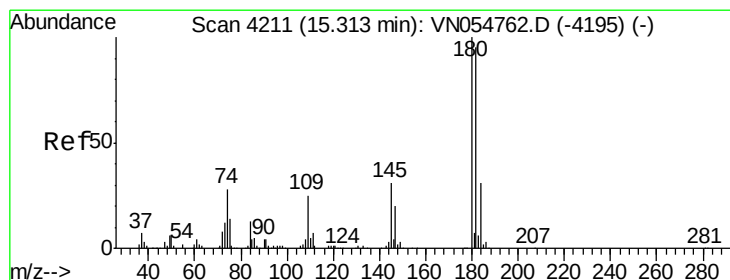
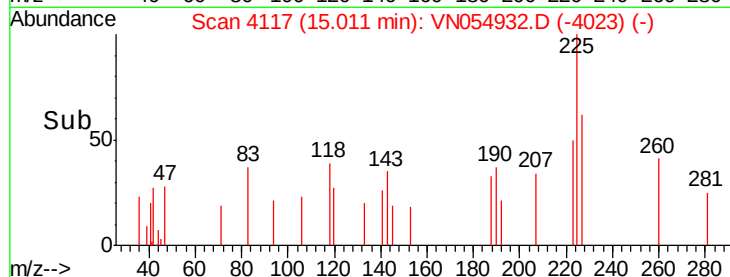
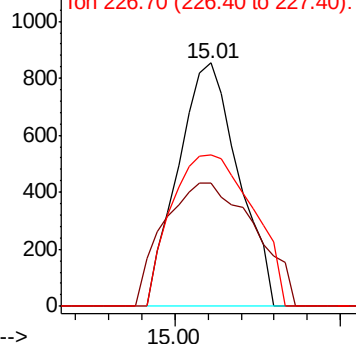
225 100

223 76.7 31.1 93.5

227 84.2 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



#96

1,2,3-Trichlorobenzene

Concen: 0.235 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054932.D

Acq: 3 Apr 2019 18:39

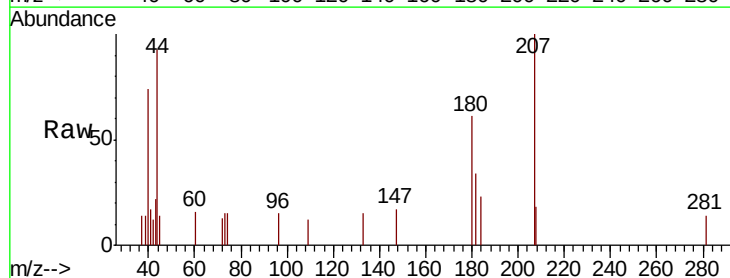
Tgt Ion:180 Resp: 958

Ion Ratio Lower Upper

180 100

182 77.1 47.5 142.6

145 6.6 14.8 44.3#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

