

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091518\
 Data File : VN051240.D
 Acq On : 15 Sep 2018 23:17
 Operator : MD\SY
 Sample : VN0915WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 17 04:22:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	399724	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	617785	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	486072	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	126438	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	221508	49.80	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.60%	
35) Dibromofluoromethane	7.59	113	240808	51.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.74%	
50) Toluene-d8	10.09	98	792097	44.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.94%	
62) 4-Bromofluorobenzene	12.40	95	187545	32.19	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	64.38%	

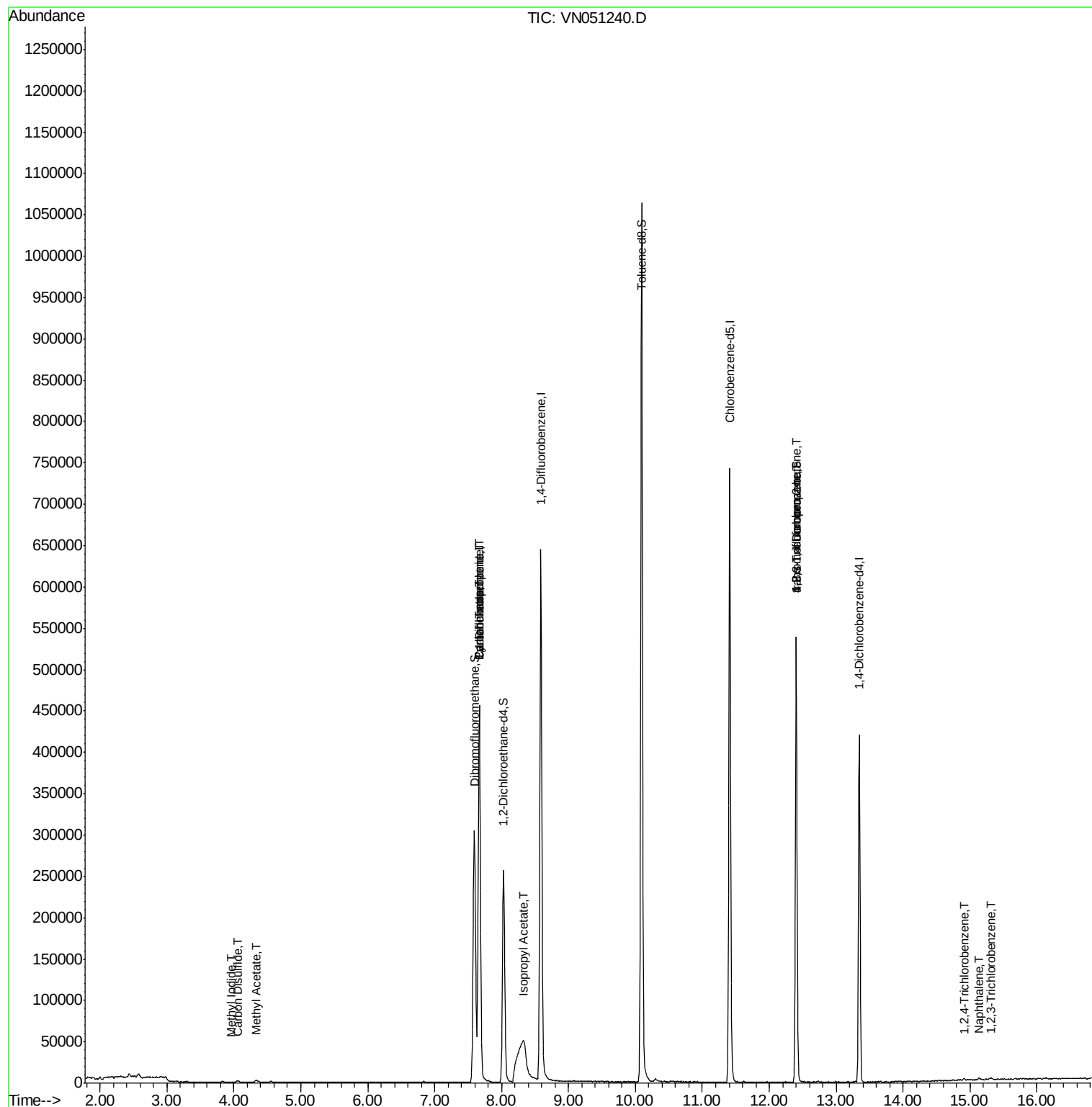
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	1550	Below Cal		99
5) Bromomethane	2.57	94	2638	Below Cal		95
10) Methyl Iodide	3.96	142	557	5.75 ug/l	#	44
16) Acetone	3.82	43	583	Below Cal		93
17) Carbon Disulfide	4.05	76	3334	0.38 ug/l	#	76
18) Methyl Acetate	4.34	43	5842	1.64 ug/l	#	87
31) Cyclohexane	7.67	56	6427	0.66 ug/l	#	1
36) 1,1-Dichloropropene	7.67	75	25494	3.76 ug/l	#	48
38) Carbon Tetrachloride	7.66	117	33823	5.07 ug/l	#	17
43) Isopropyl Acetate	8.33	43	145575	21.00 ug/l	#	50
76) 1,2,3-Trichloropropane	12.40	75	87085	44.25 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.40	75	87085	130.81 ug/l	#	15
93) 1,2,4-Trichlorobenzene	14.91	180	805	4.31 ug/l		89
94) Hexachlorobutadiene	15.00	225	395	Below Cal		88
95) Naphthalene	15.13	128	1816	5.68 ug/l	#	88
96) 1,2,3-Trichlorobenzene	15.32	180	866	3.32 ug/l		89

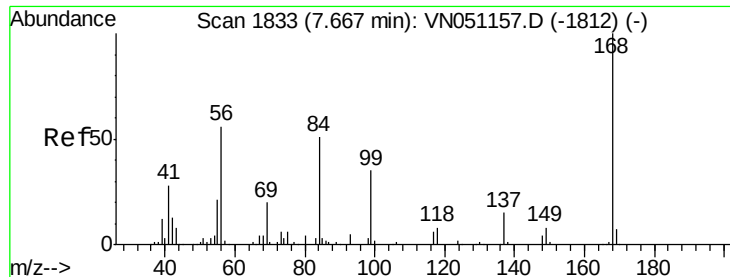
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051240.D

Acq: 15 Sep 2018 23:17

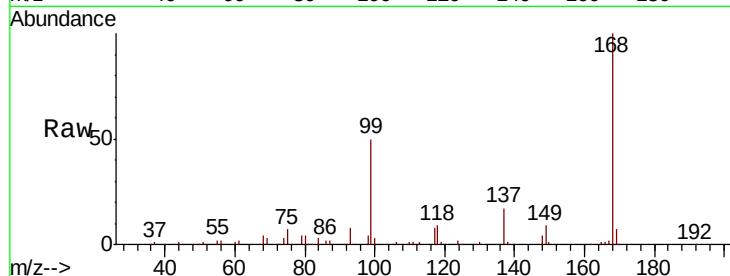
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 399724

Ion Ratio Lower Upper

168 100

99 50.3 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

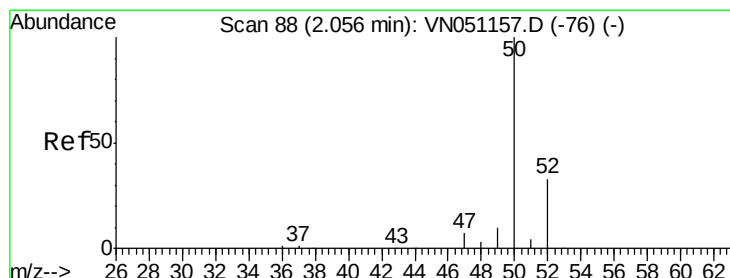
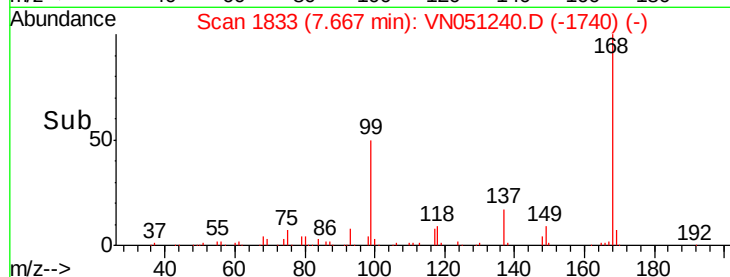
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051240.D

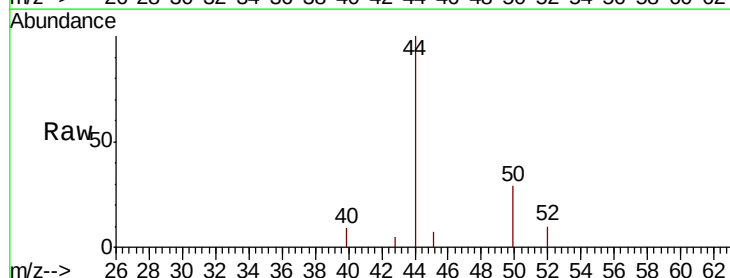
Acq: 15 Sep 2018 23:17

Tgt Ion: 50 Resp: 1550

Ion Ratio Lower Upper

50 100

52 33.1 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

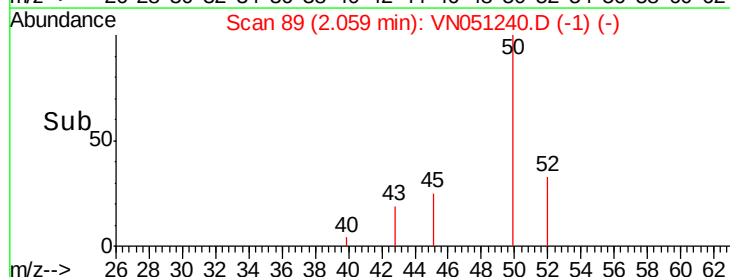
2.06

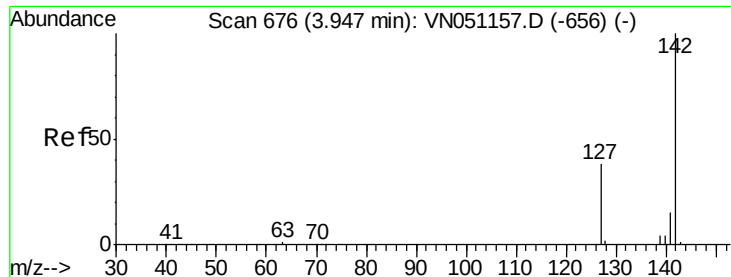
1000

500

0

Time-->

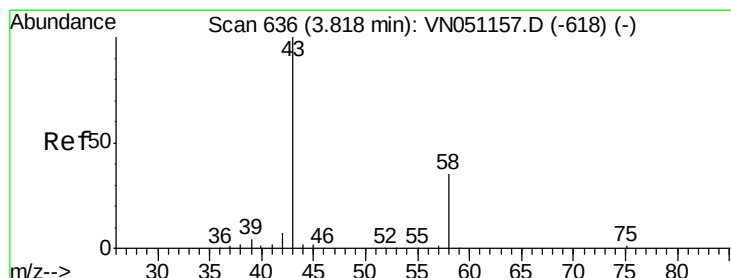
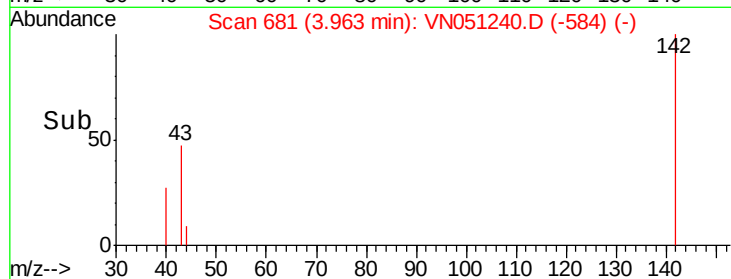
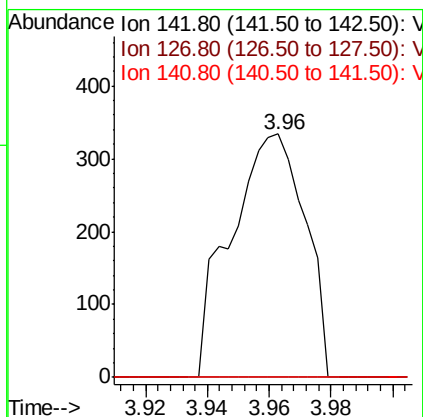
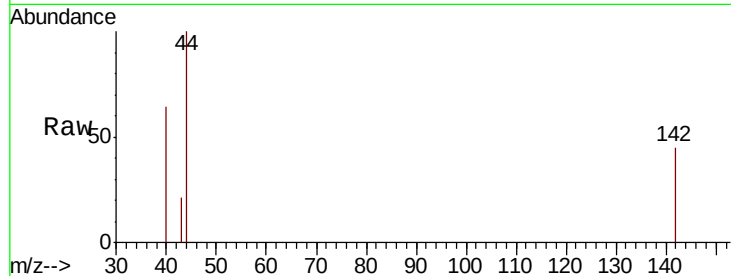




#10
Methvl Iodide
Concen: 5.75 ua/l
RT: 3.96 min Scan# 681
Delta R.T. 0.01 min
Lab File: VN051240.D
Acq: 15 Sep 2018 23:17

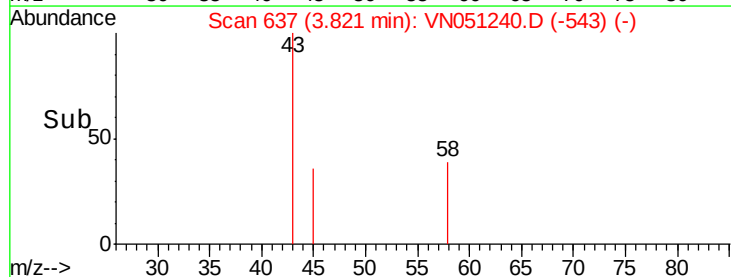
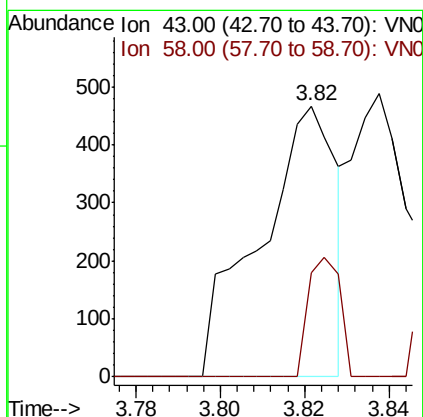
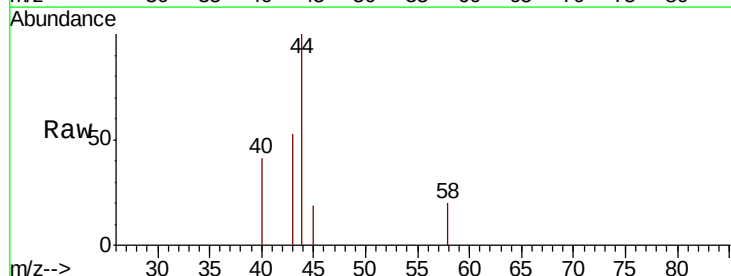
Instrument :
MSVOA_N
ClientSampleId :

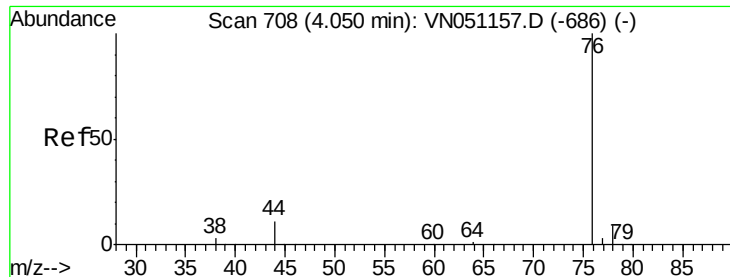
Tot Ion:142 Resp: 557
Ion Ratio Lower Upper
142 100
127 0.0 31.0 46.4#
141 0.0 11.3 16.9#



#16
Acetone
Concen: Below Cal
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN051240.D
Acq: 15 Sep 2018 23:17

Tgt Ion: 43 Resp: 583
Ion Ratio Lower Upper
43 100
58 38.5 27.8 41.6





#17

Carbon Disulfide

Concen: 0.38 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN051240.D

Acq: 15 Sep 2018 23:17

Instrument :

MSVOA_N

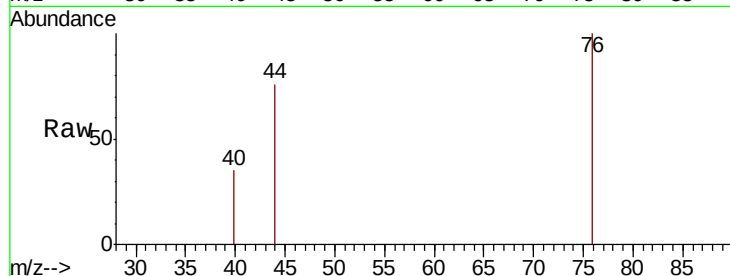
ClientSampled :

Tot Ion: 76 Resp: 3334

Ion Ratio Lower Upper

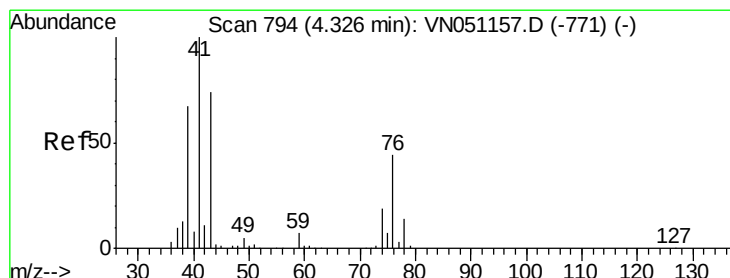
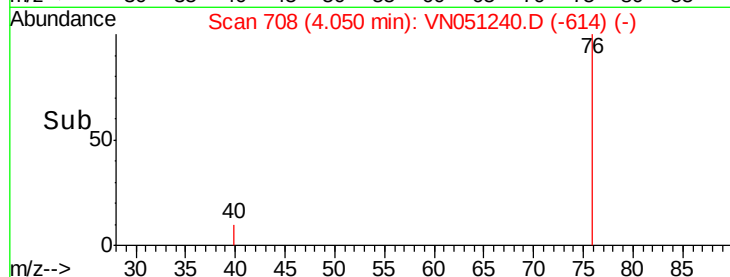
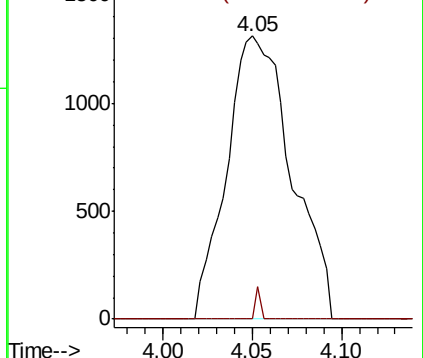
76 100

78 0.0 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 1.64 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN051240.D

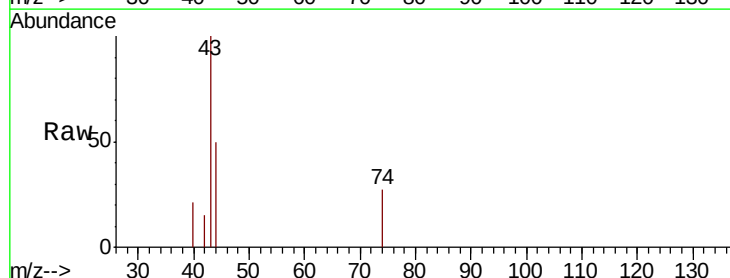
Acq: 15 Sep 2018 23:17

Tgt Ion: 43 Resp: 5842

Ion Ratio Lower Upper

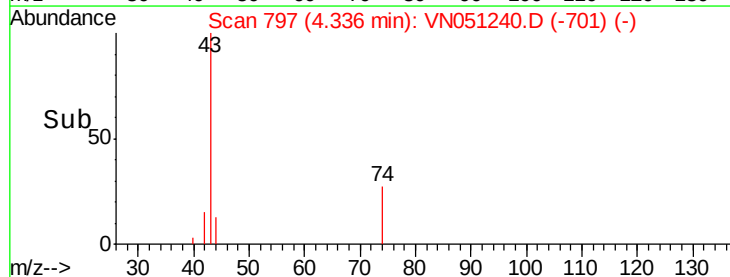
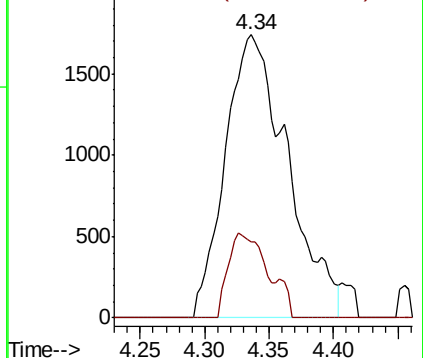
43 100

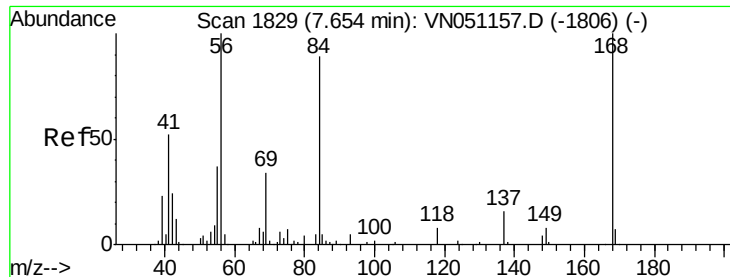
74 19.3 20.7 31.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

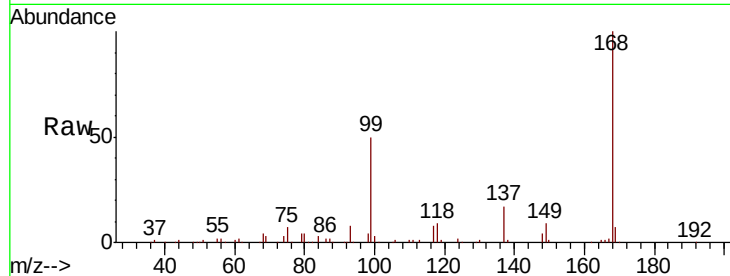




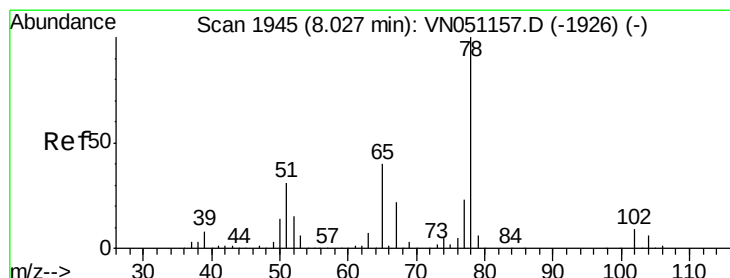
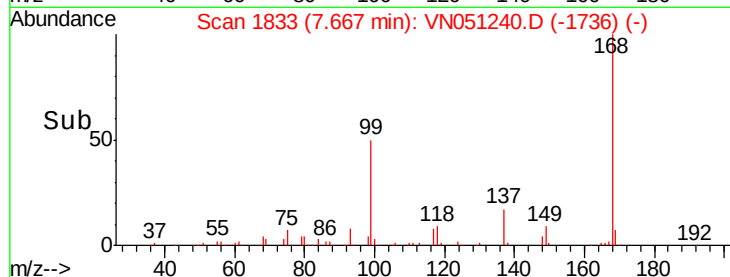
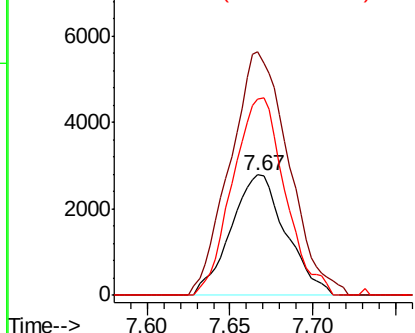
#31
Cyclohexane
Concen: 0.66 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN051240.D
Acq: 15 Sep 2018 23:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 6427
Ion Ratio Lower Upper
56 100
69 201.9 26.3 39.5#
84 163.1 69.4 104.0#

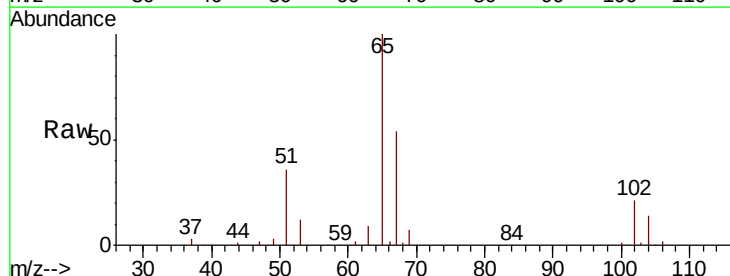


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

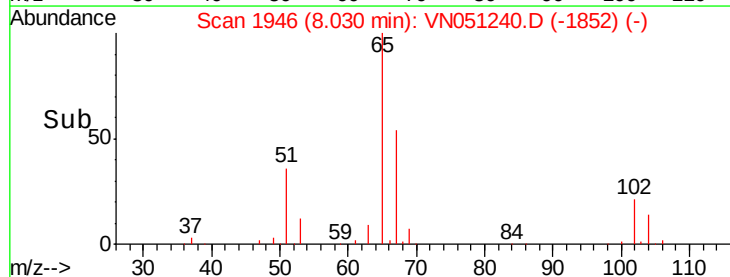
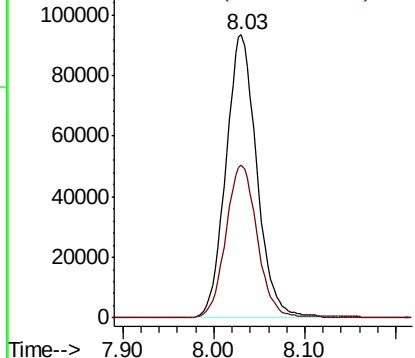


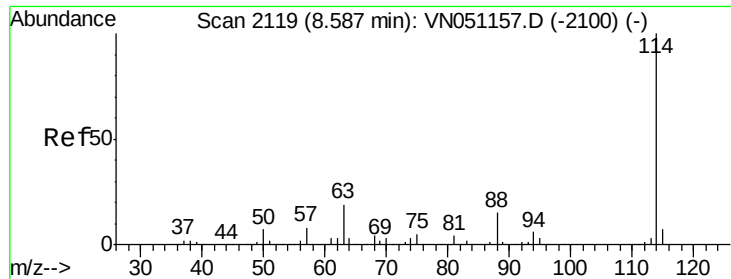
#33
1,2-Dichloroethane-d4
Concen: 49.80 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN051240.D
Acq: 15 Sep 2018 23:17

Tgt Ion: 65 Resp: 221508
Ion Ratio Lower Upper
65 100
67 55.0 0.0 112.0



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

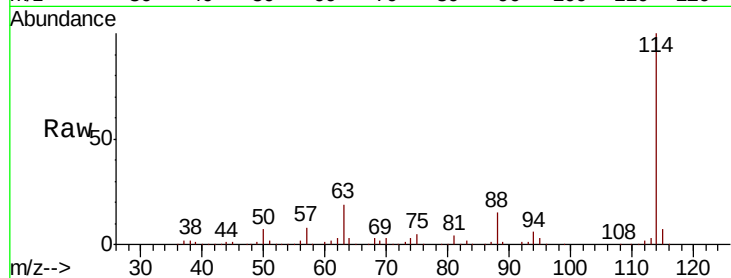




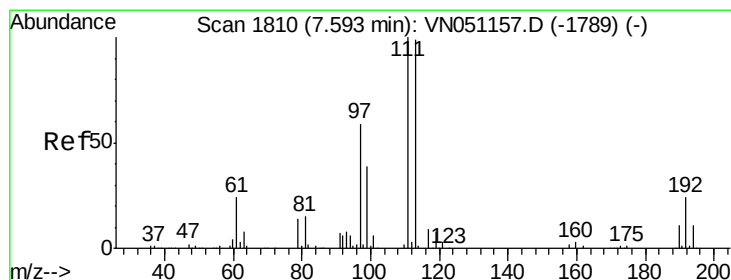
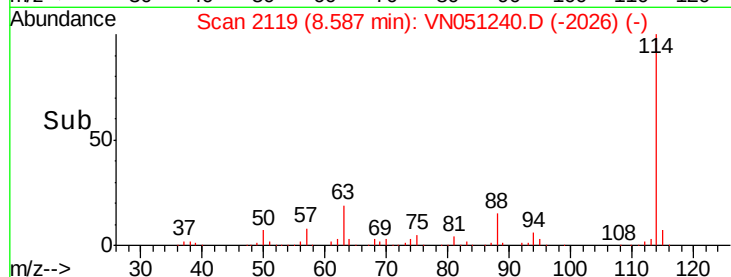
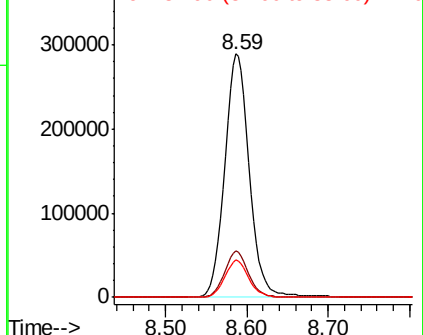
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051240.D
 Acq: 15 Sep 2018 23:17

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	37.8
88	15.2	0.0	30.8

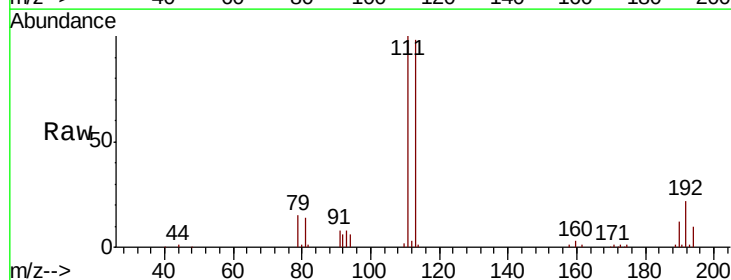


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VNO
 Ion 87.90 (87.60 to 88.60): VNO

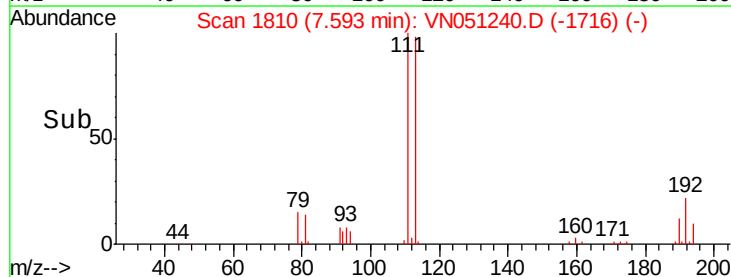
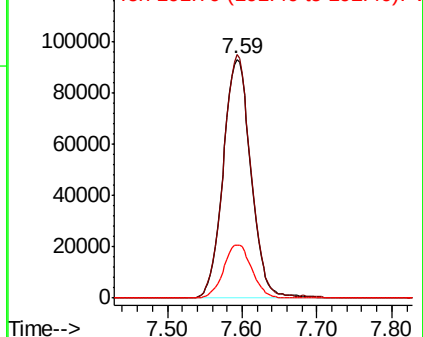


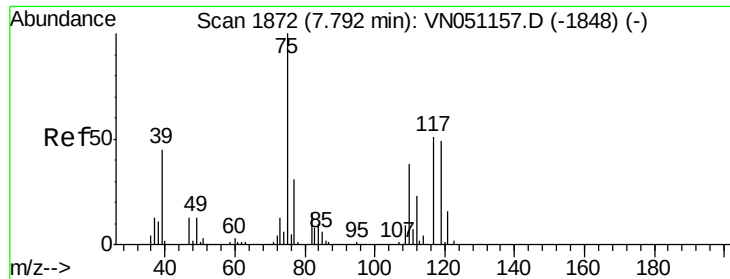
#35
 Dibromofluoromethane
 Concen: 51.87 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051240.D
 Acq: 15 Sep 2018 23:17

Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.9	83.0	124.6
192	22.5	18.7	28.1



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

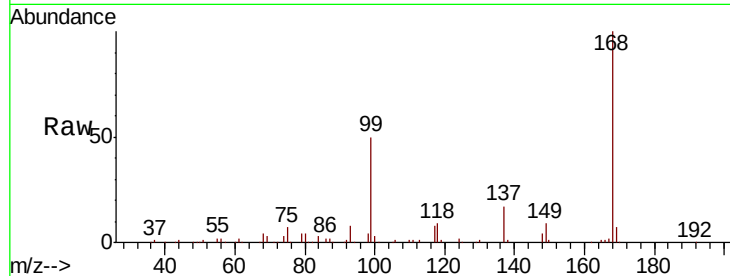




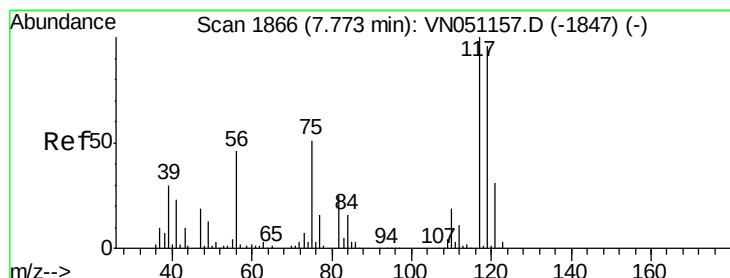
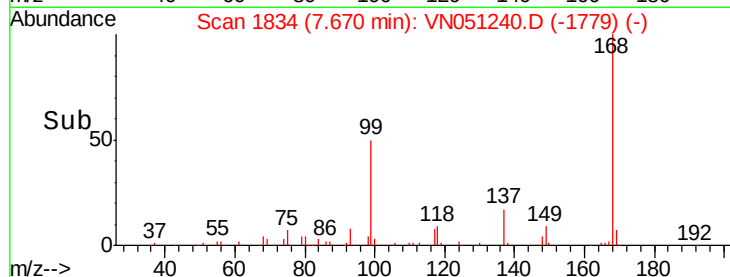
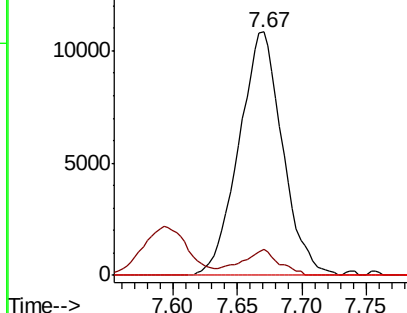
#36
 1,1-Dichloropropene
 Concen: 3.76 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.12 min
 Lab File: VN051240.D
 Acq: 15 Sep 2018 23:17

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.6	55.8#
77	0.0	25.2	37.8#

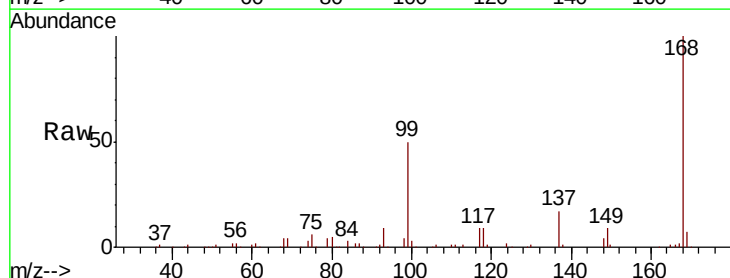


Abundance Ion 74.90 (74.60 to 75.60): VN051157.D (-1848) (-)
 Ion 109.90 (109.60 to 110.60): VN051157.D (-1848) (-)
 Ion 76.90 (76.60 to 77.60): VN051157.D (-1848) (-)

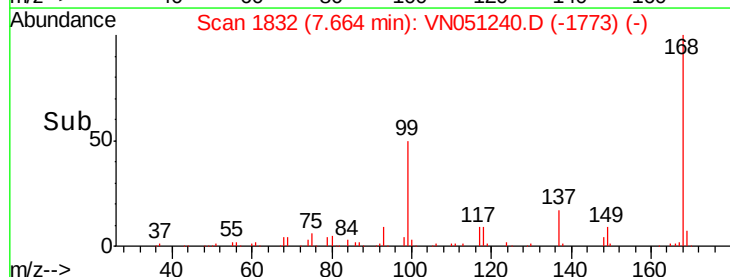
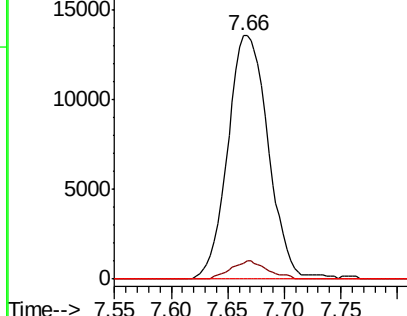


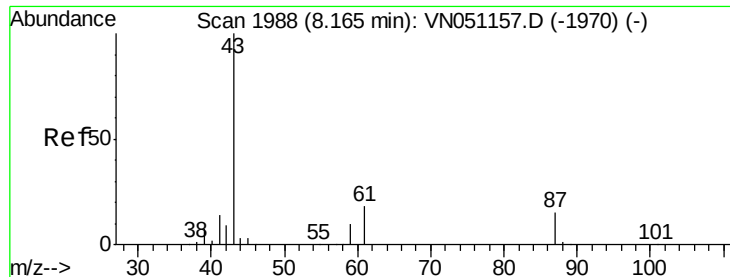
#38
 Carbon Tetrachloride
 Concen: 5.07 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN051240.D
 Acq: 15 Sep 2018 23:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.6	76.8	115.2#
121	0.0	24.6	36.8#



Abundance Ion 116.80 (116.50 to 117.50): VN051157.D (-1847) (-)
 Ion 118.80 (118.50 to 119.50): VN051157.D (-1847) (-)
 Ion 120.80 (120.50 to 121.50): VN051157.D (-1847) (-)





#43

Isopropyl Acetate

Concen: 21.00 ug/l

RT: 8.33 min Scan# 2039

Delta R.T. 0.17 min

Lab File: VN051240.D

Acq: 15 Sep 2018 23:17

Instrument :

MSVOA_N

ClientSampleId :

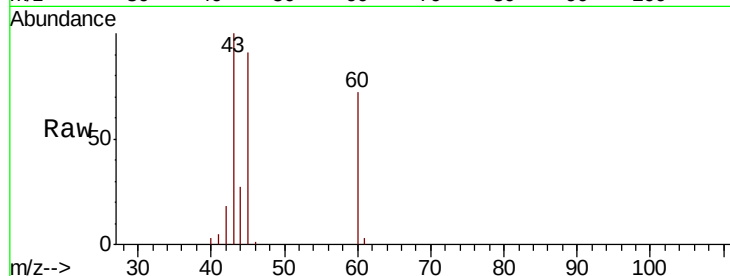
Tot Ion: 43 Resp: 145575

Ion Ratio Lower Upper

43 100

61 0.3 25.0 37.6#

87 0.0 11.8 17.8#

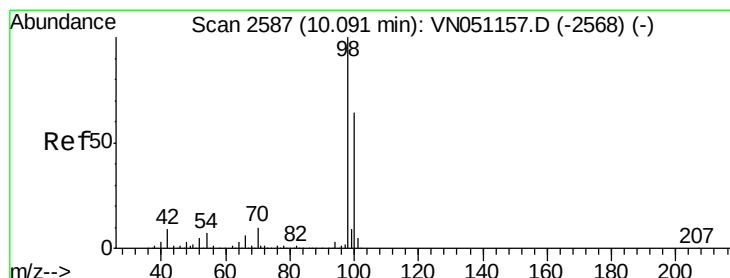
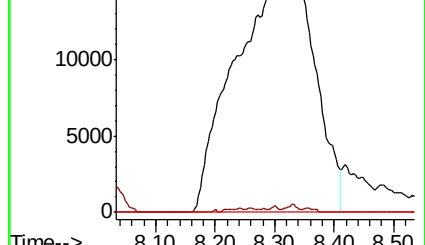
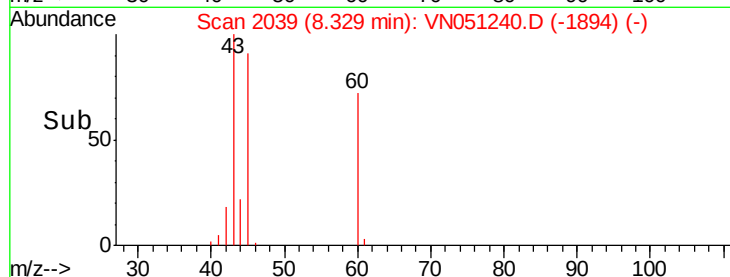


Abundance Ion 43.00 (42.70 to 43.70): VN051157.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN051157.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN051157.D (-1970) (-)

Time-->



#50

Toluene-d8

Concen: 44.97 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051240.D

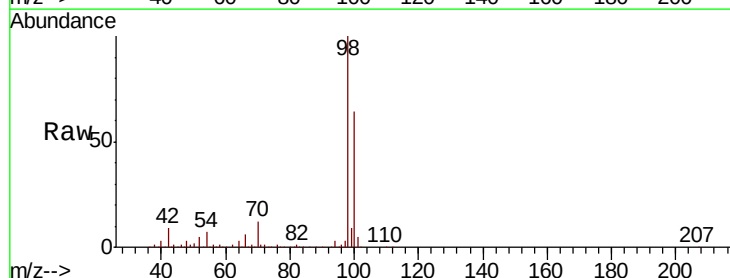
Acq: 15 Sep 2018 23:17

Tgt Ion: 98 Resp: 792097

Ion Ratio Lower Upper

98 100

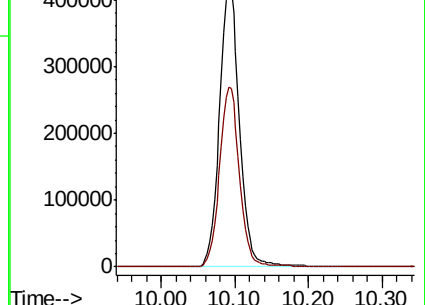
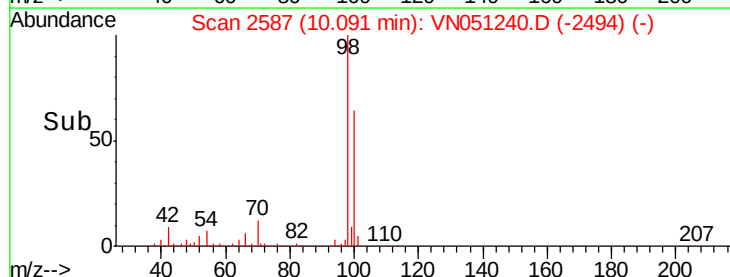
100 63.5 52.0 78.0

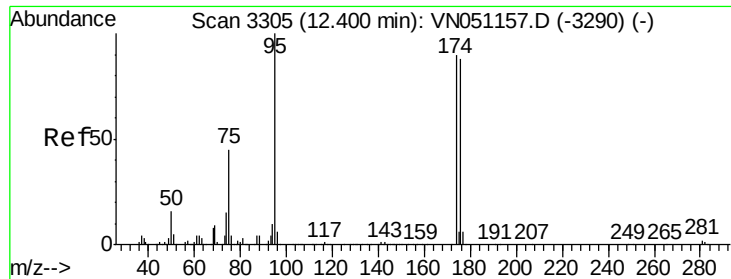


Abundance Ion 98.00 (97.70 to 98.70): VN051157.D (-2568) (-)

Ion 100.00 (99.70 to 100.70): VN051157.D (-2568) (-)

Time-->





#62

4-Bromofluorobenzene

Concen: 32.19 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051240.D

Acq: 15 Sep 2018 23:17

Instrument :

MSVOA_N

ClientSampled :

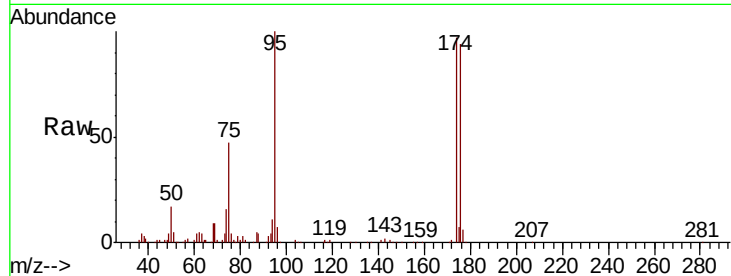
Tot Ion: 95 Resp: 187545

Ion Ratio Lower Upper

95 100

174 96.7 0.0 184.8

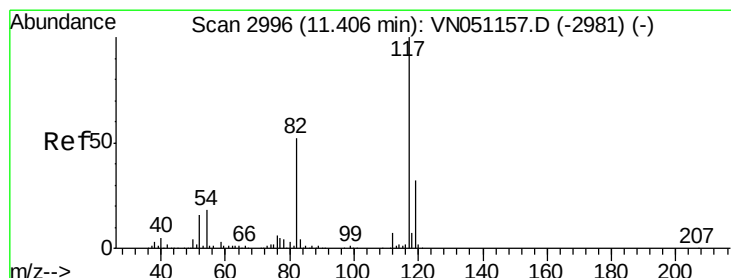
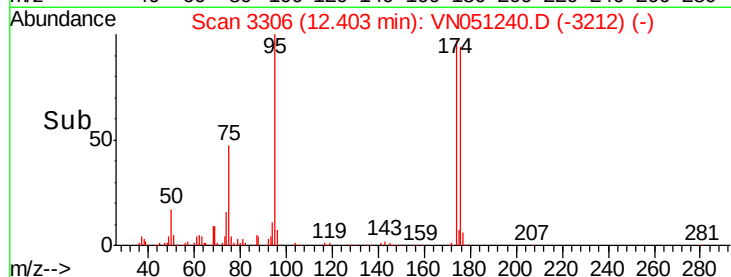
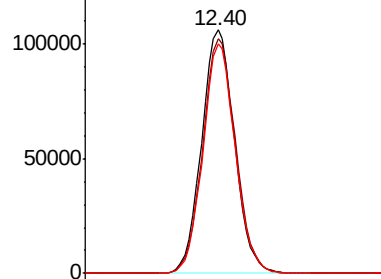
176 92.4 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VN051157.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN051157.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN051157.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051240.D

Acq: 15 Sep 2018 23:17

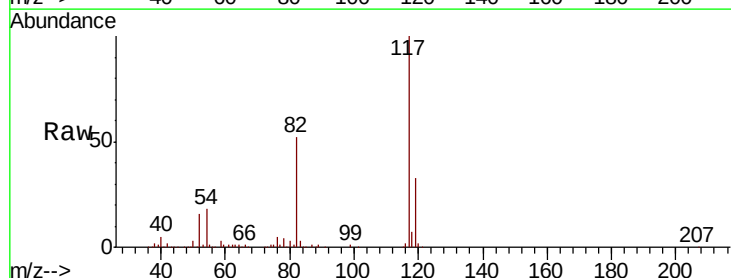
Tgt Ion: 117 Resp: 486072

Ion Ratio Lower Upper

117 100

82 51.9 41.8 62.6

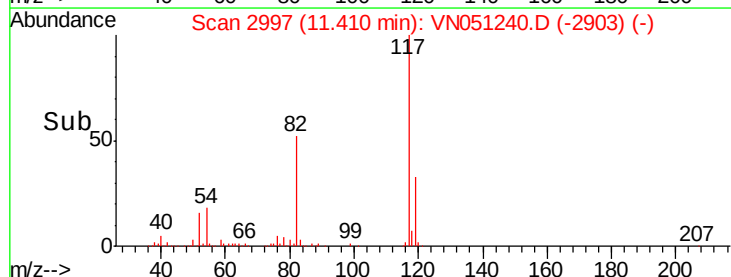
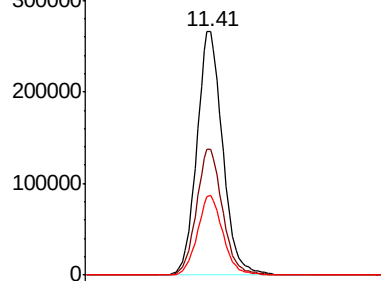
119 32.8 26.2 39.2

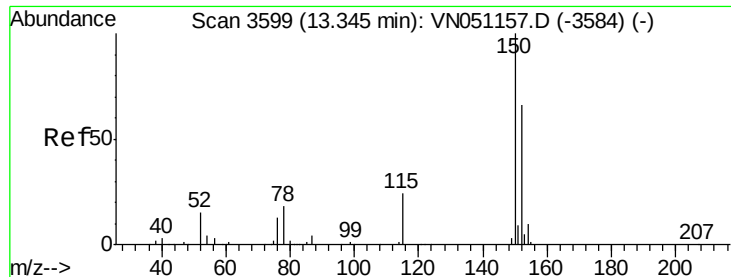


Abundance Ion 116.90 (116.60 to 117.60): VN051157.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN051157.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN051157.D (-2981) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051240.D

Acq: 15 Sep 2018 23:17

Instrument :

MSVOA_N

ClientSampled :

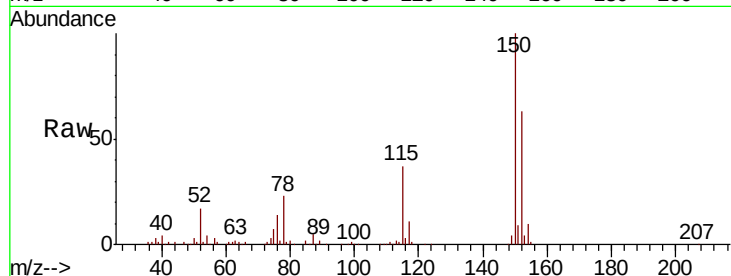
Tot Ion:152 Resp: 126438

Ion Ratio Lower Upper

152 100

115 55.5 28.2 84.7

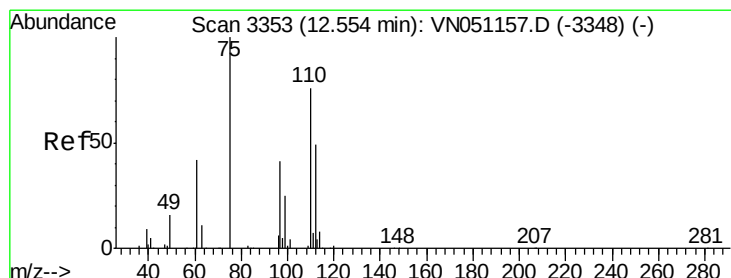
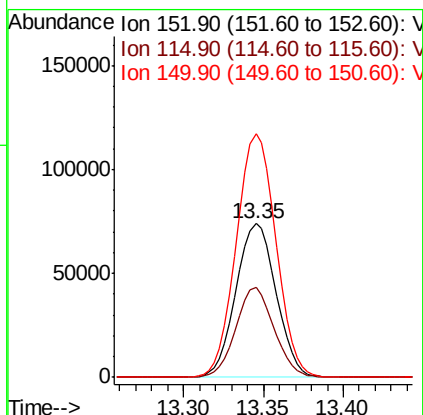
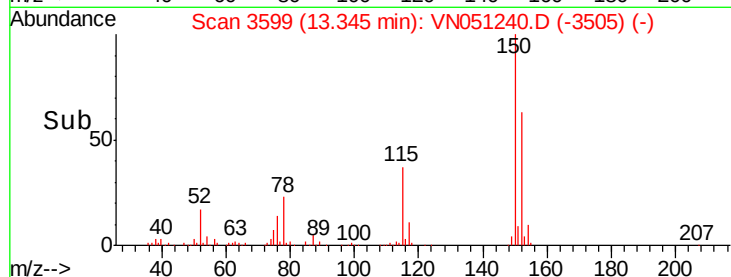
150 156.1 0.0 349.0



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: 44.25 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051240.D

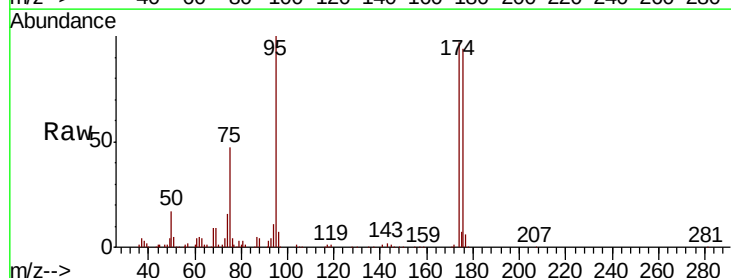
Acq: 15 Sep 2018 23:17

Tgt Ion: 75 Resp: 87085

Ion Ratio Lower Upper

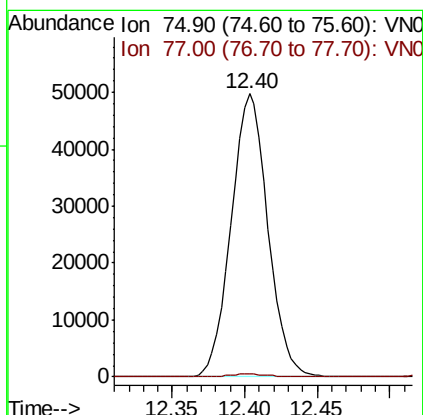
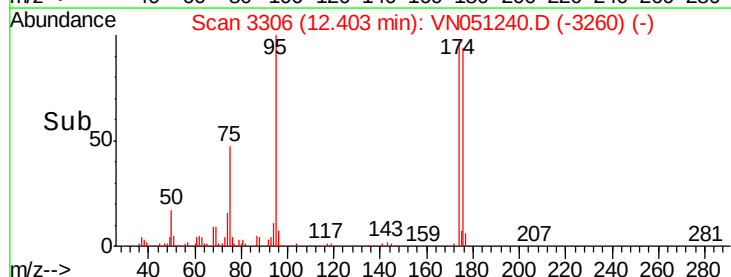
75 100

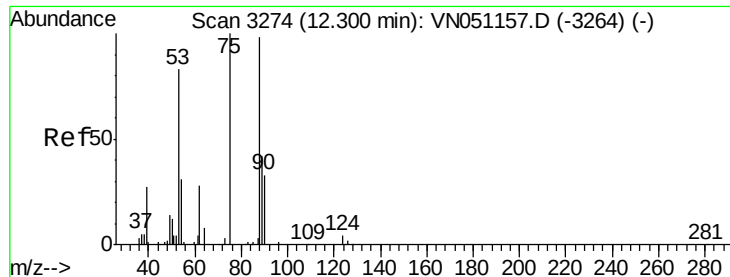
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

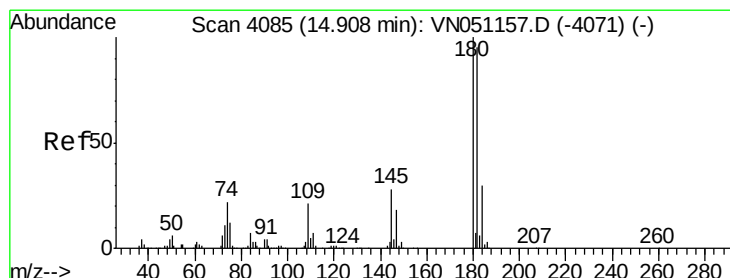
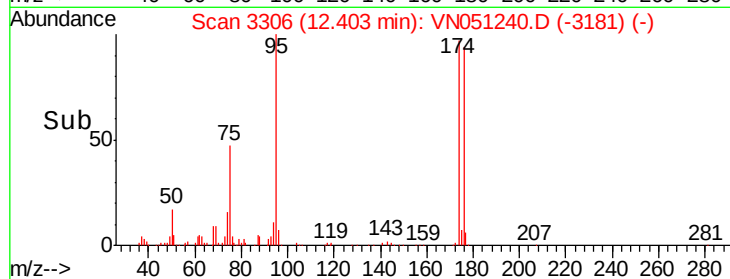
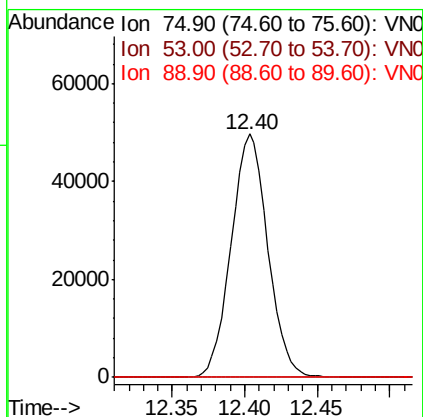
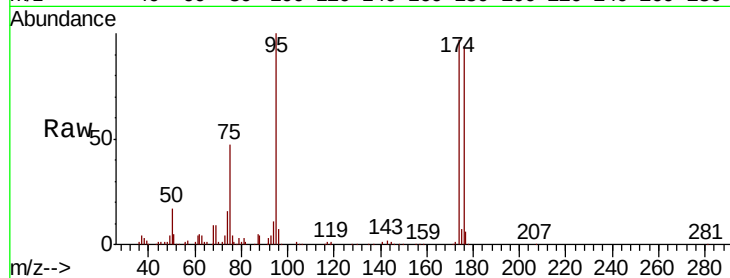




#81
trans-1,4-Dichloro-2-butene
Concen: 130.81 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN051240.D
Acq: 15 Sep 2018 23:17

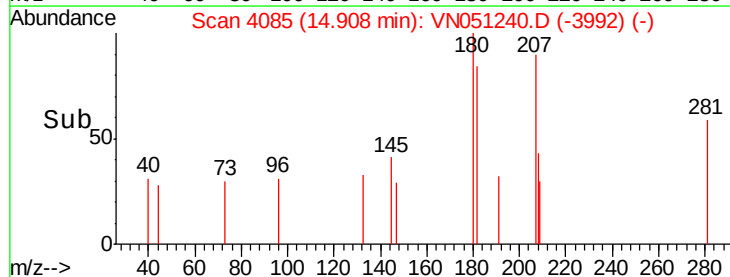
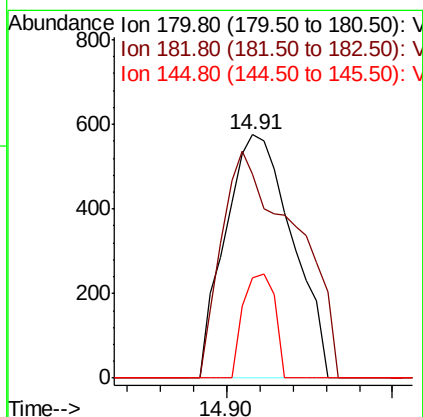
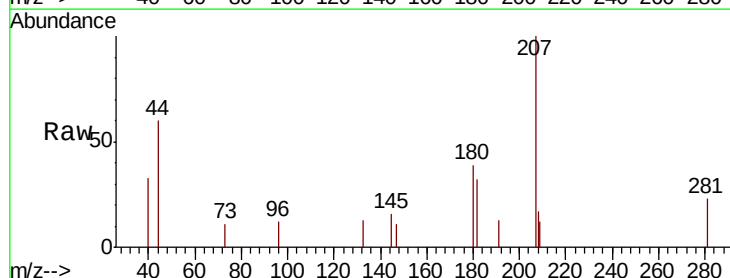
Instrument :
MSVOA_N
ClientSampleId :

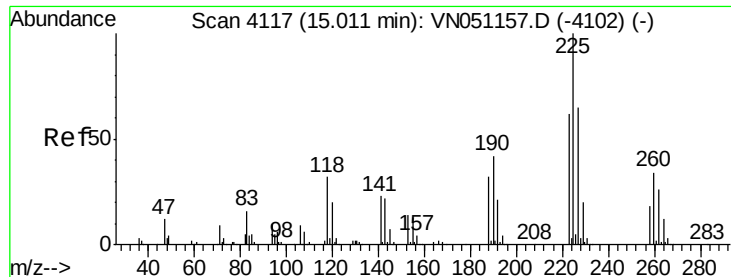
Tot Ion: 75 Resp: 87085
Ion Ratio Lower Upper
75 100
53 0.1 67.8 101.8#
89 0.0 36.0 54.0#



#93
1,2,4-Trichlorobenzene
Concen: 4.31 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. -0.00 min
Lab File: VN051240.D
Acq: 15 Sep 2018 23:17

Tgt Ion: 180 Resp: 805
Ion Ratio Lower Upper
180 100
182 103.4 47.3 141.8
145 20.4 14.2 42.6





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.00 min Scan# 4115

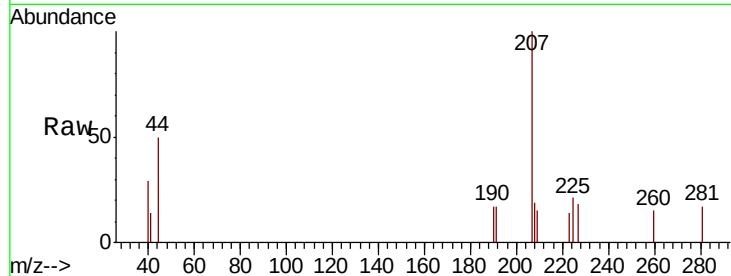
Delta R.T. -0.00 min

Lab File: VN051240.D

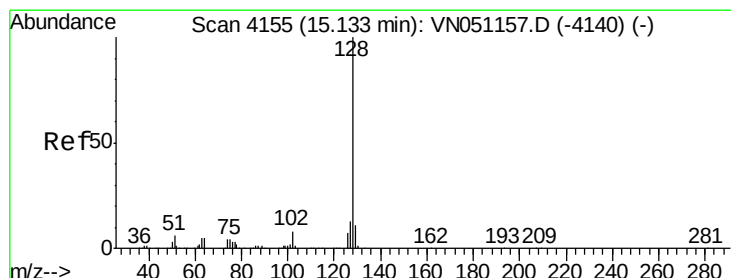
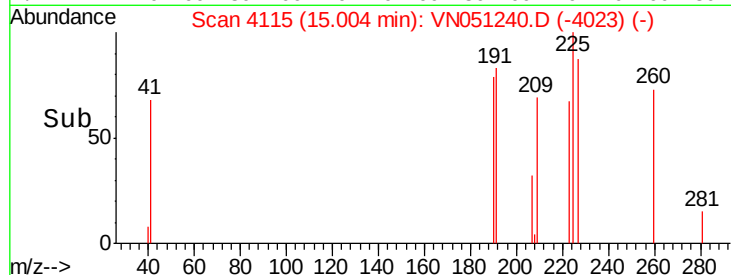
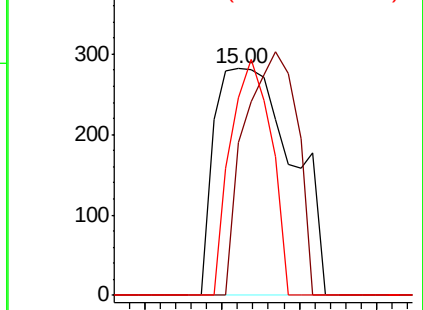
Acq: 15 Sep 2018 23:17

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	225	Resp:	395
Ion	Ratio	Lower	Upper
225	100		
223	72.2	31.4	94.0
227	54.4	32.1	96.3



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



#95

Naphthalene

Concen: 5.68 ug/l

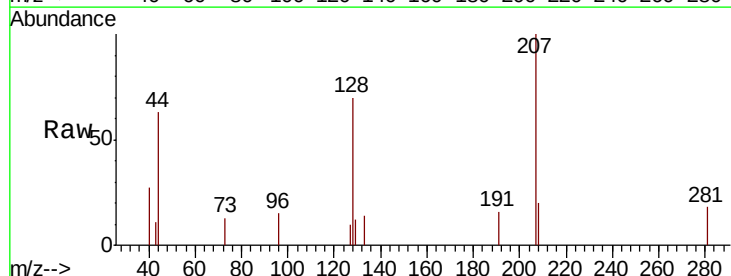
RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

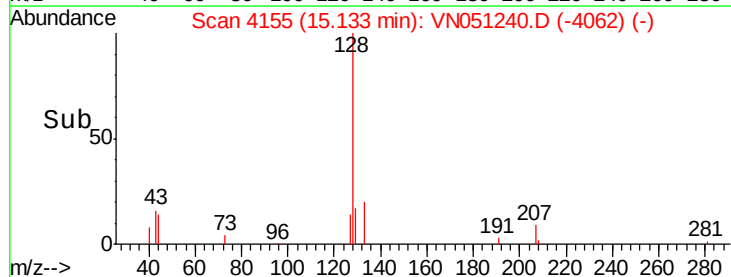
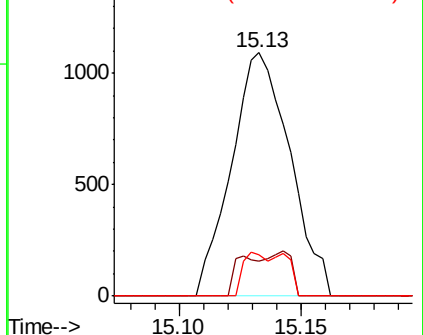
Lab File: VN051240.D

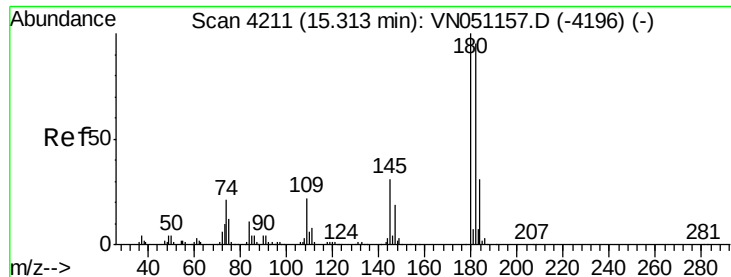
Acq: 15 Sep 2018 23:17

Tgt Ion:	128	Resp:	1816
Ion	Ratio	Lower	Upper
128	100		
127	7.1	10.6	15.8#
129	7.4	8.6	12.8#



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





#96
 1,2,3-Trichlorobenzene
 Concen: 3.32 ug/l
 RT: 15.32 min Scan# 4213
 Delta R.T. 0.01 min
 Lab File: VN051240.D
 Acq: 15 Sep 2018 23:17

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	85.8	47.8	143.3
145	36.3	14.6	43.8

