

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN021819\
 Data File : VN053831.D
 Acq On : 18 Feb 2019 9:44
 Operator : JC/SP
 Sample : VN0218WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218WBL01

Quant Time: Feb 19 02:58:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	613545	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1012522	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	956708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	369569	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	323755	52.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.20%	
35) Dibromofluoromethane	7.59	113	330097	51.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.20%	
50) Toluene-d8	10.09	98	1236628	51.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.96%	
62) 4-Bromofluorobenzene	12.40	95	406020	50.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.36%	

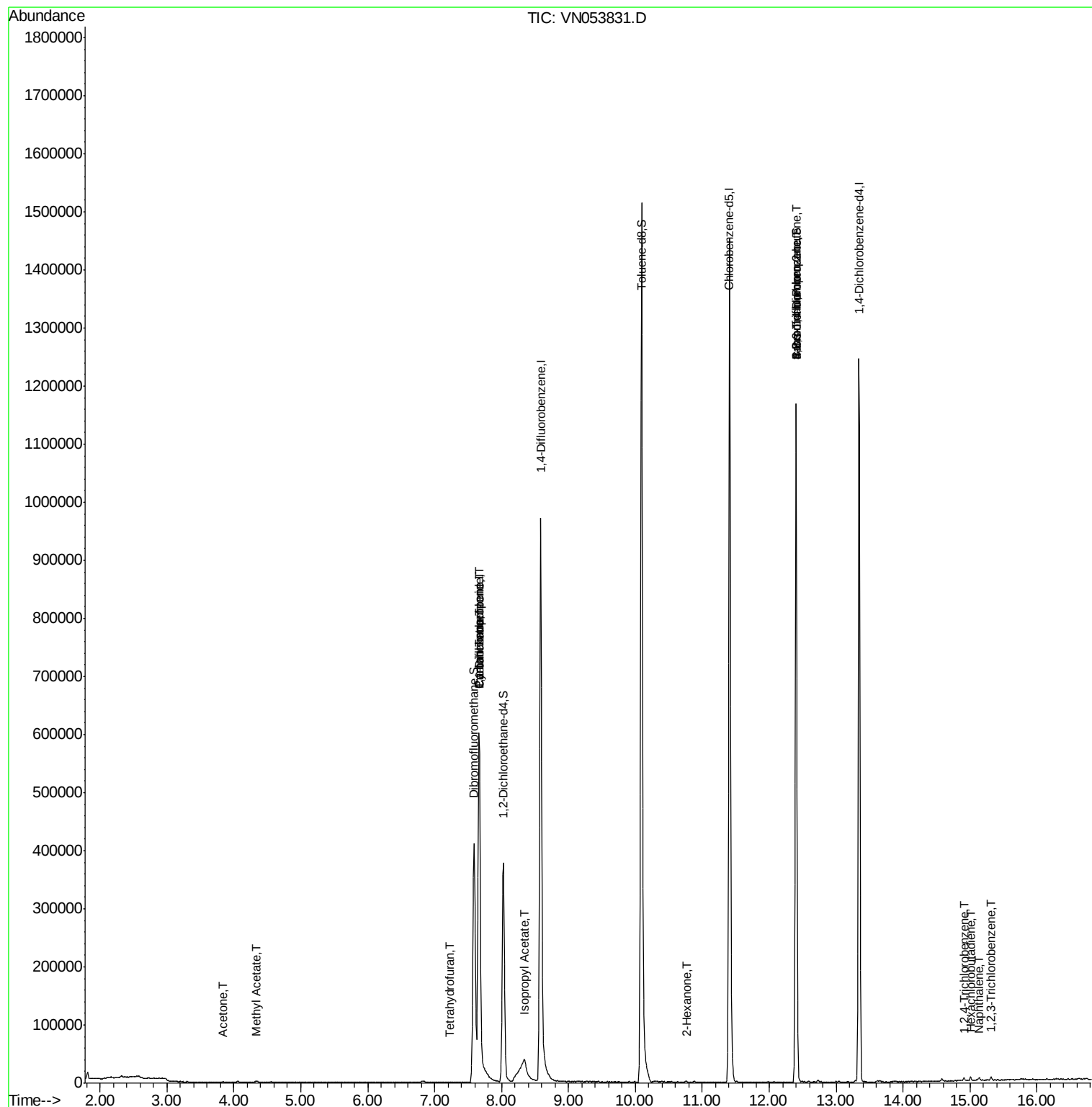
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.83	43	1356	0.859	ug/l #	87
18) Methyl Acetate	4.33	43	5006	1.071	ug/l #	88
29) Tetrahydrofuran	7.22	42	579	0.400	ug/l #	33
31) Cyclohexane	7.66	56	8758	0.674	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	35052	3.840	ug/l #	48
38) Carbon Tetrachloride	7.67	117	48029	5.224	ug/l #	17
43) Isopropyl Acetate	8.34	43	105802	10.747	ug/l #	52
59) 2-Hexanone	10.76	43	1338	0.407	ug/l	91
71) Bromoform	12.40	173	3111	0.639	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	186449	39.278	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	186449	110.447	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	2195	0.318	ug/l	99
94) Hexachlorobutadiene	15.00	225	1521	0.353	ug/l	92
95) Naphthalene	15.13	128	5029	2.035	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.32	180	2849	0.444	ug/l	83

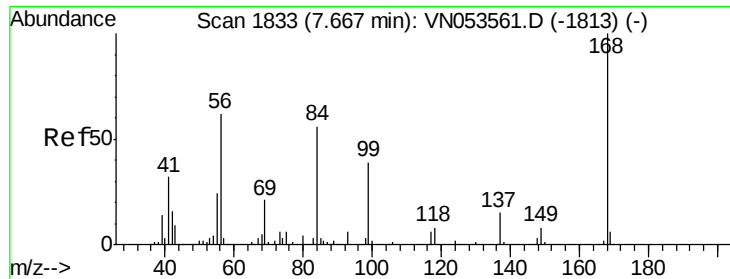
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN021819\
Data File : VN053831.D
Acq On : 18 Feb 2019 9:44
Operator : JC/SP
Sample : VN0218WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBL01

Quant Time: Feb 19 02:58:10 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 2019
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: VN053831.D

Acq: 18 Feb 2019 9:44

Instrument :

MSVOA_N

ClientSampled :

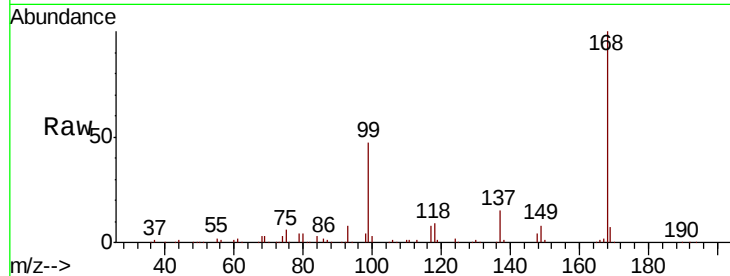
VN0218WBL01

Tgt Ion:168 Resp: 613545

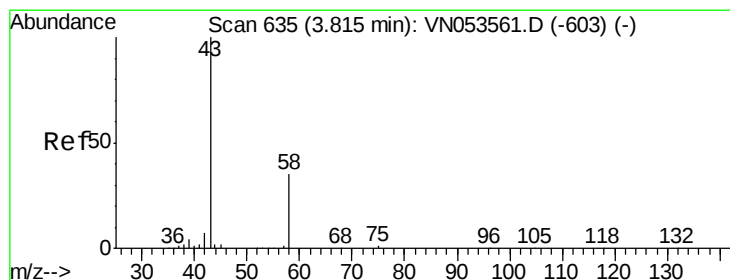
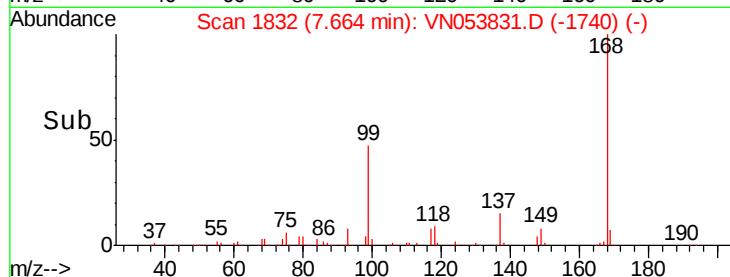
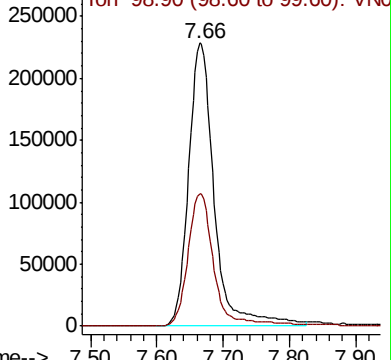
Ion Ratio Lower Upper

168 100

99 47.0 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VN053831.D (-1740) (-)



#16

Acetone

Concen: 0.859 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN053831.D

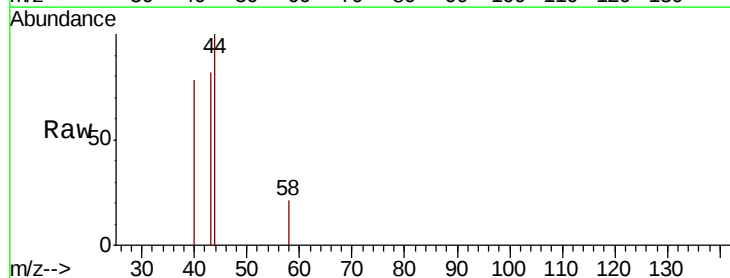
Acq: 18 Feb 2019 9:44

Tgt Ion: 43 Resp: 1356

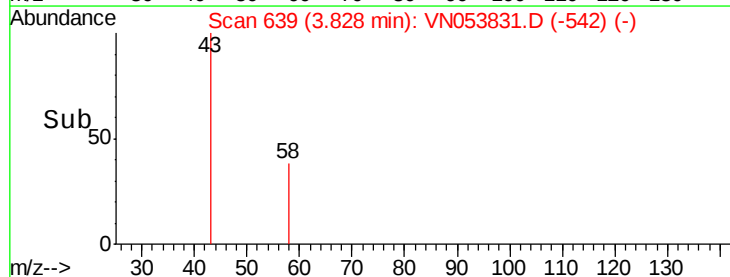
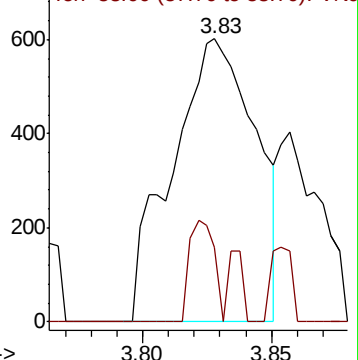
Ion Ratio Lower Upper

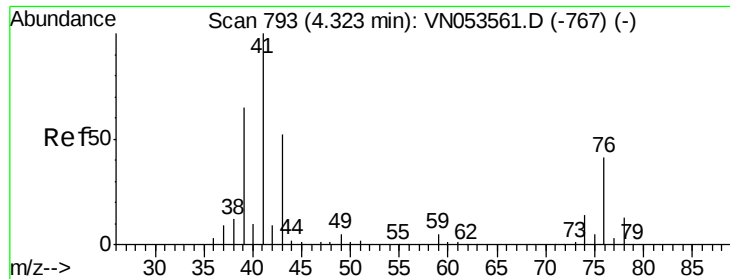
43 100

58 26.2 27.1 40.7#



Abundance Ion 43.00 (42.70 to 43.70): VN053831.D (-542) (-)

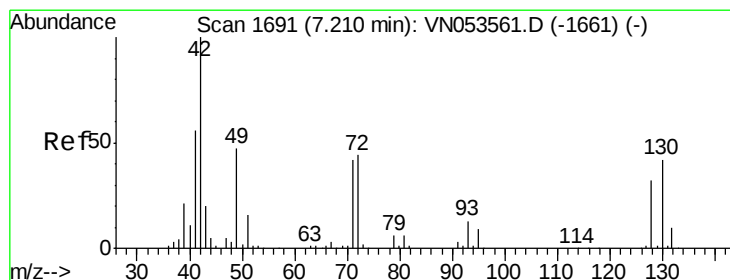
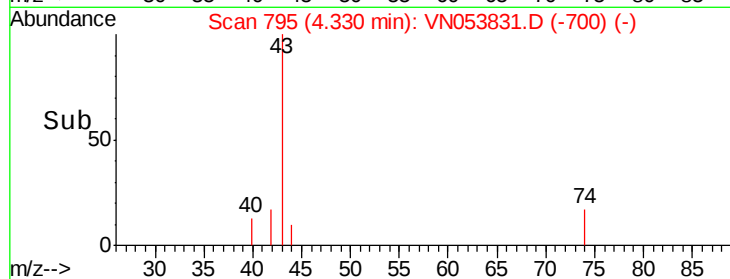
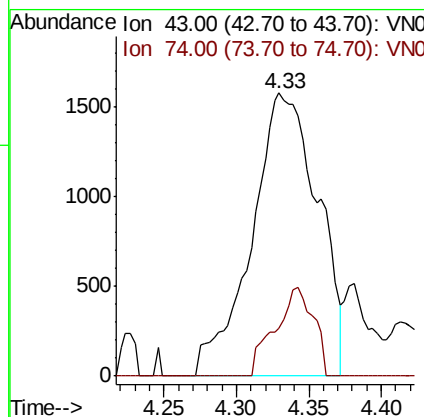
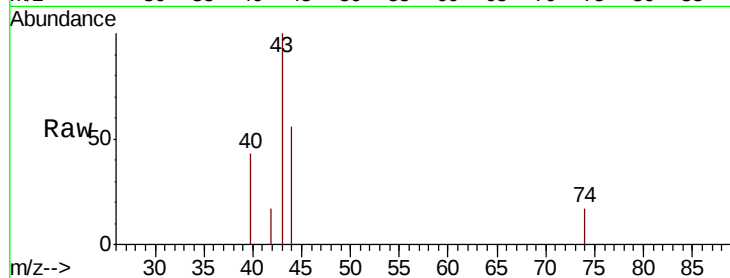




#18
Methyl Acetate
Concen: 1.071 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN053831.D
Acq: 18 Feb 2019 9:44

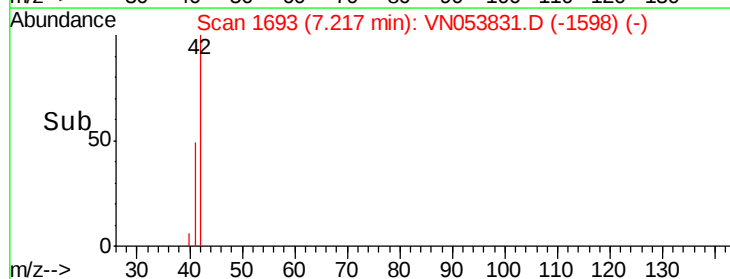
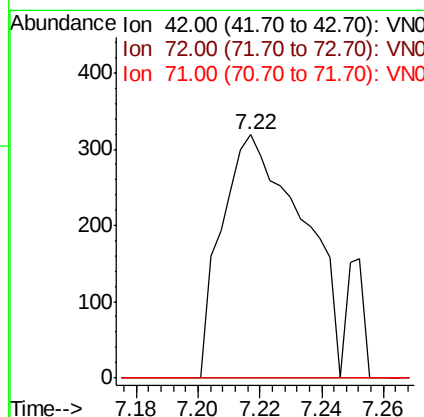
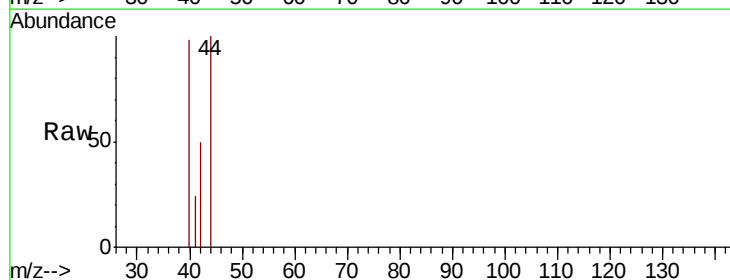
Instrument :
MSVOA_N
ClientSampleId :
VN0218WBL01

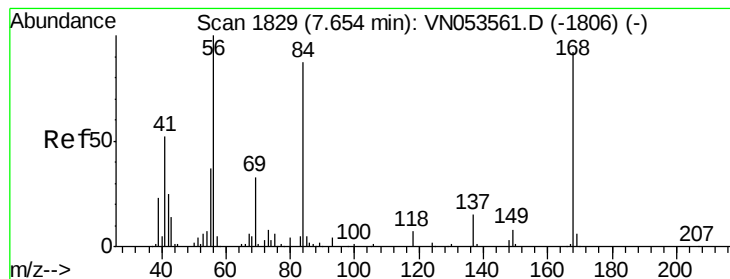
Tgt Ion: 43 Resp: 5006
Ion Ratio Lower Upper
43 100
74 18.1 19.4 29.2#



#29
Tetrahydrofuran
Concen: 0.400 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN053831.D
Acq: 18 Feb 2019 9:44

Tgt Ion: 42 Resp: 579
Ion Ratio Lower Upper
42 100
72 0.0 35.2 52.8#
71 0.0 33.0 49.4#





#31

Cyclohexane

Concen: 0.674 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053831.D

Acq: 18 Feb 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VN0218WBL01

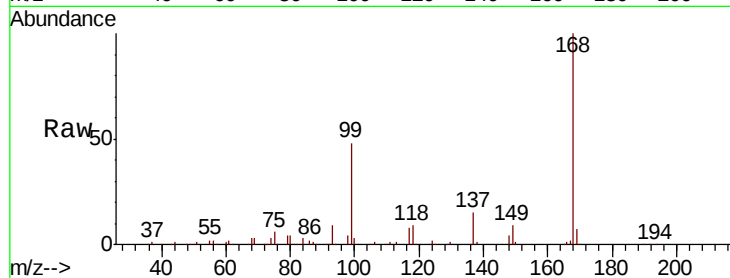
Tgt Ion: 56 Resp: 8758

Ion Ratio Lower Upper

56 100

69 166.8 26.4 39.6#

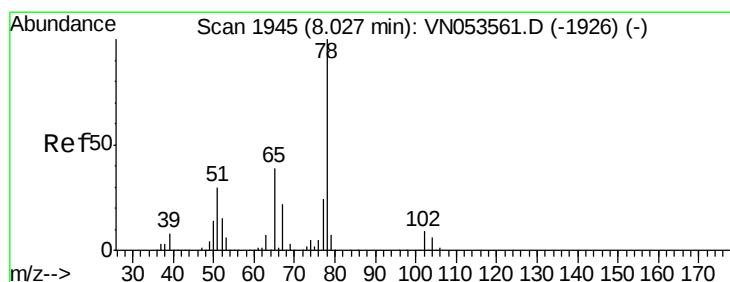
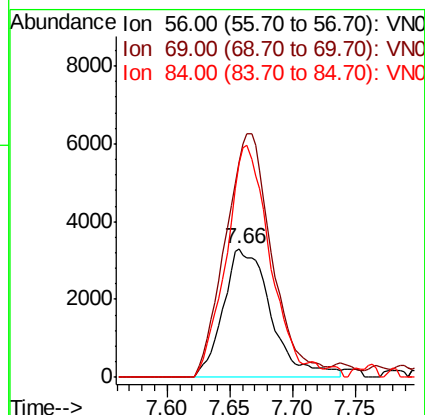
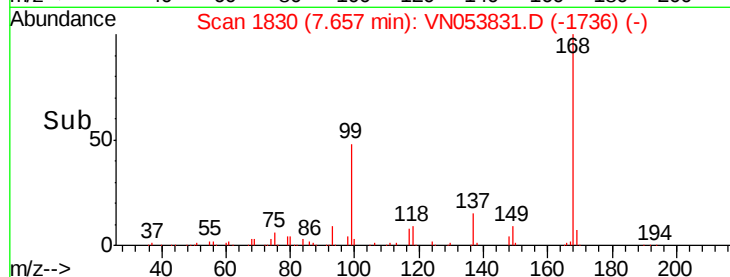
84 166.4 67.9 101.9#



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: 52.600 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN053831.D

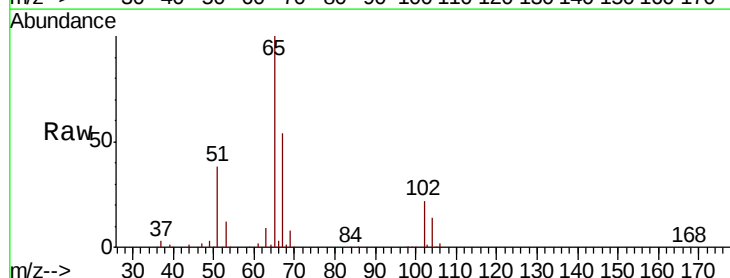
Acq: 18 Feb 2019 9:44

Tgt Ion: 65 Resp: 323755

Ion Ratio Lower Upper

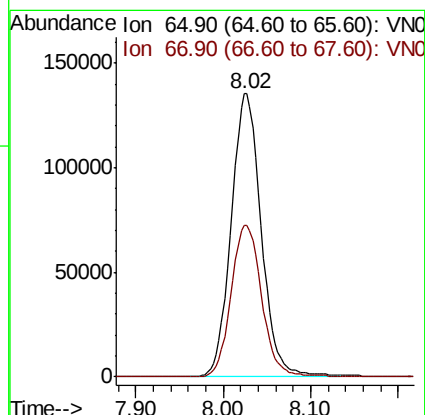
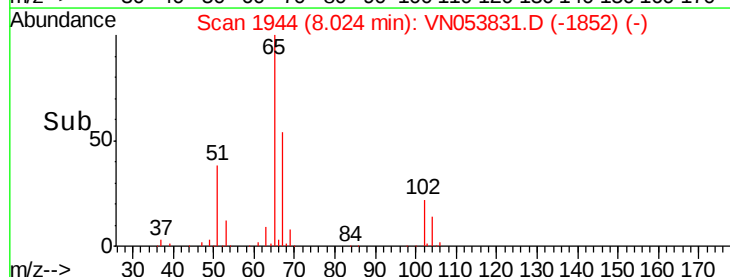
65 100

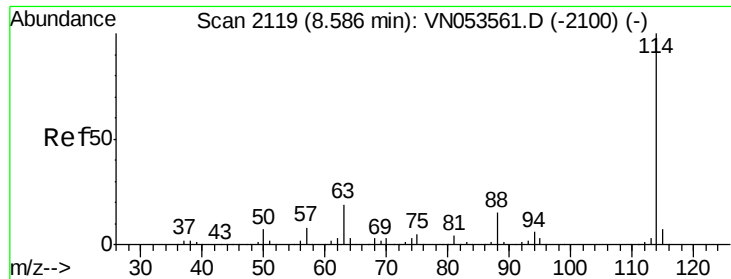
67 54.6 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

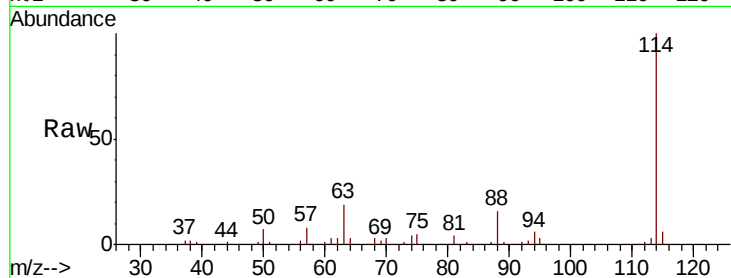




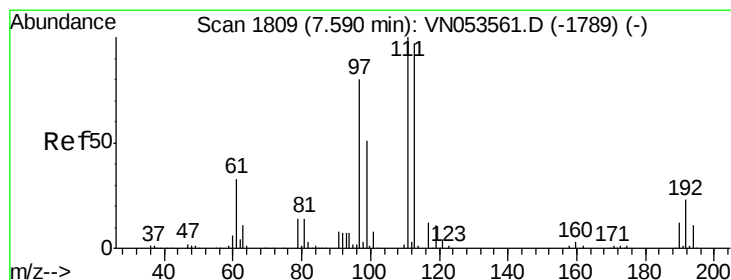
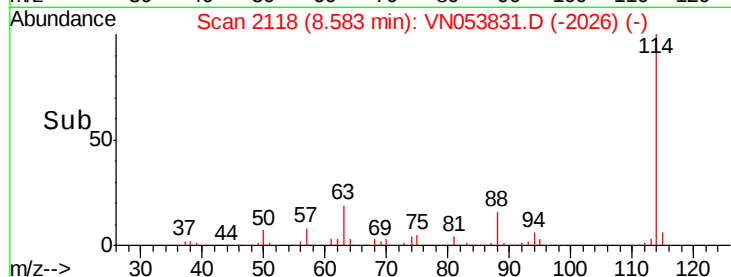
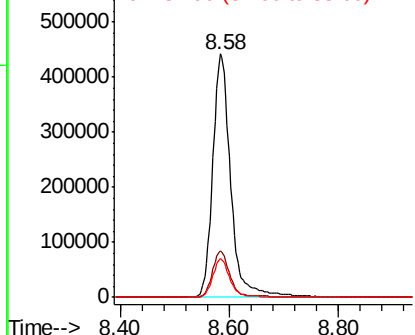
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN053831.D
Acq: 18 Feb 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBL01

Tgt Ion:114 Resp: 1012522
Ion Ratio Lower Upper
114 100
63 19.1 0.0 38.6
88 15.7 0.0 30.4

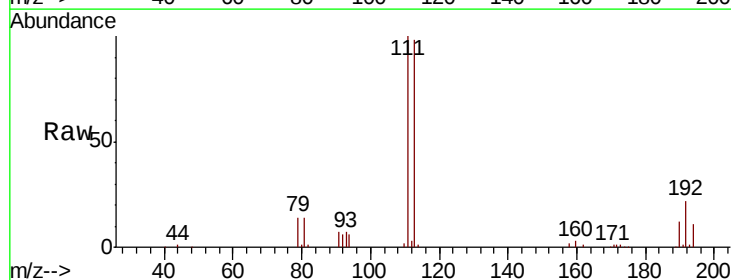


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

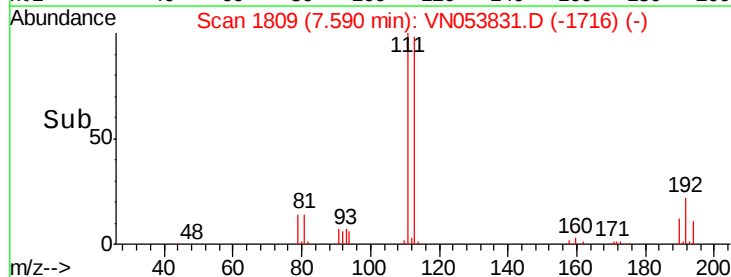
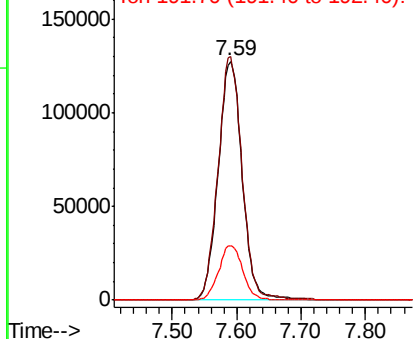


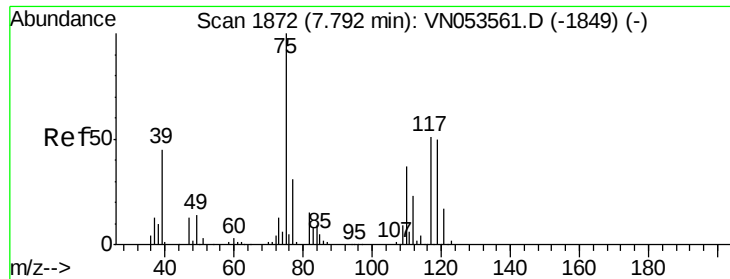
#35
Dibromofluoromethane
Concen: 51.595 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053831.D
Acq: 18 Feb 2019 9:44

Tgt Ion:113 Resp: 330097
Ion Ratio Lower Upper
113 100
111 101.5 81.1 121.7
192 23.0 18.2 27.2



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

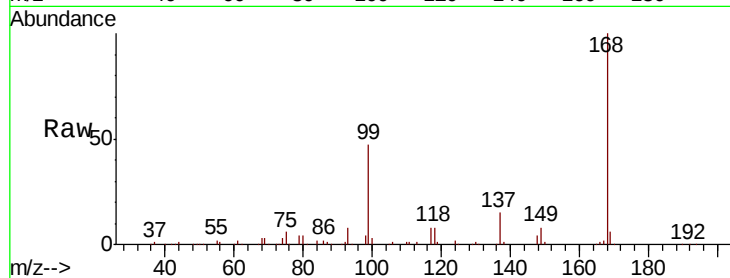




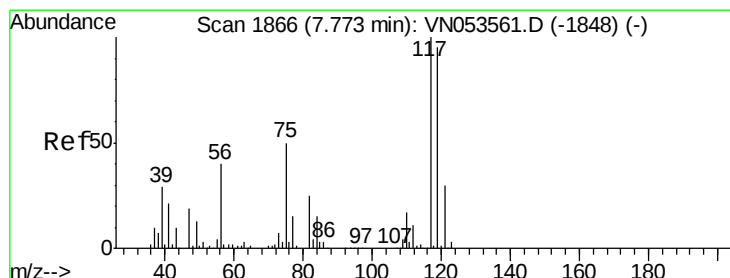
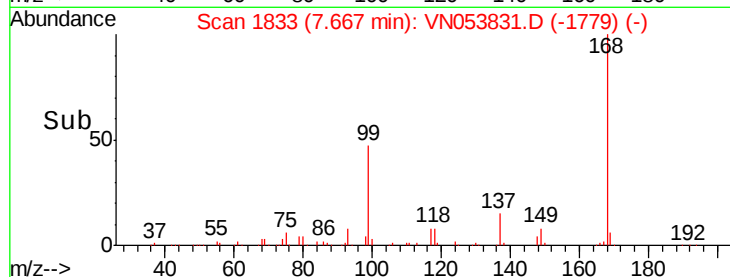
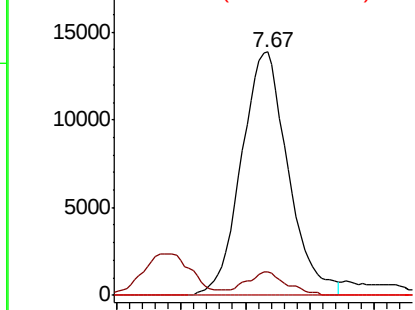
#36
 1,1-Dichloropropene
 Concen: 3.840 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053831.D
 Acq: 18 Feb 2019 9:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218WBL01

Tgt Ion: 75 Resp: 35052
 Ion Ratio Lower Upper
 75 100
 110 8.3 18.1 54.3#
 77 0.0 25.1 37.7#

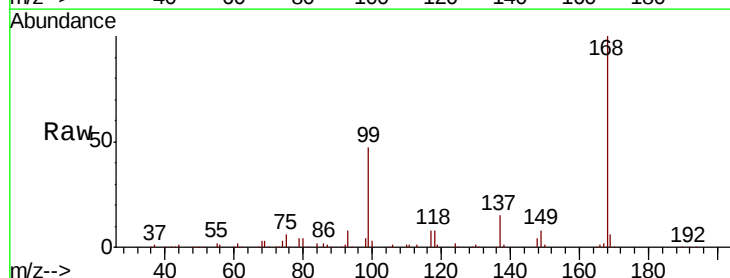


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

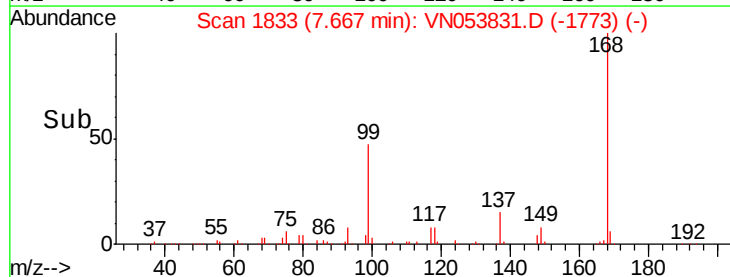
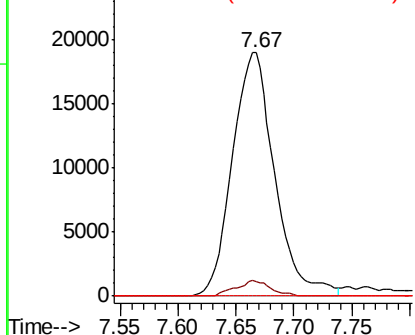


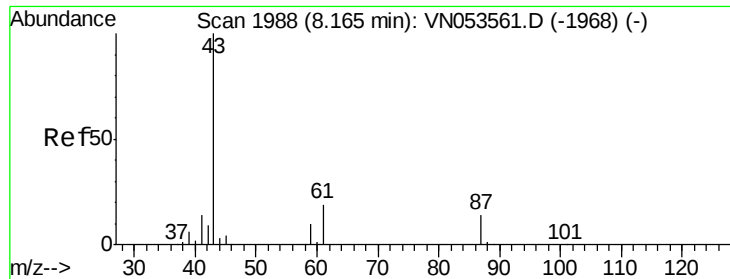
#38
 Carbon Tetrachloride
 Concen: 5.224 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053831.D
 Acq: 18 Feb 2019 9:44

Tgt Ion: 117 Resp: 48029
 Ion Ratio Lower Upper
 117 100
 119 6.2 77.2 115.8#
 121 0.0 24.6 37.0#



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





#43

Isopropyl Acetate

Concen: 10.747 ug/l

RT: 8.34 min Scan# 2043

Delta R.T. 0.18 min

Lab File: VN053831.D

Acq: 18 Feb 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VN0218WBL01

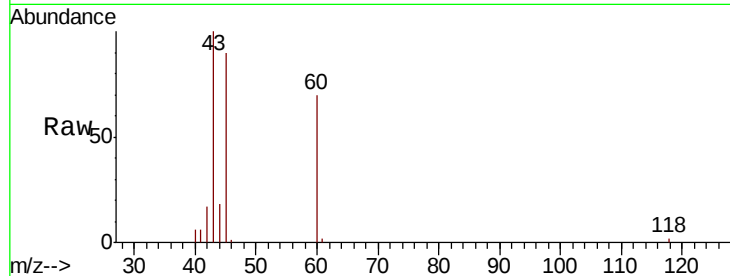
Tgt Ion: 43 Resp: 105802

Ion Ratio Lower Upper

43 100

61 0.4 23.9 35.9#

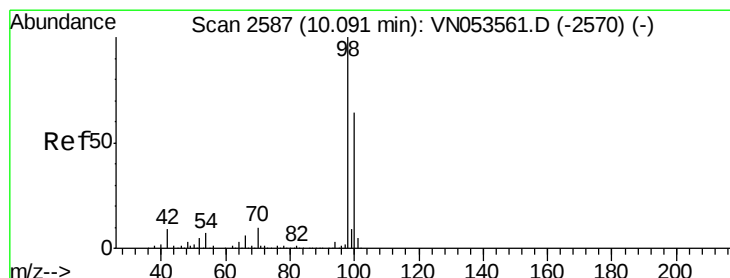
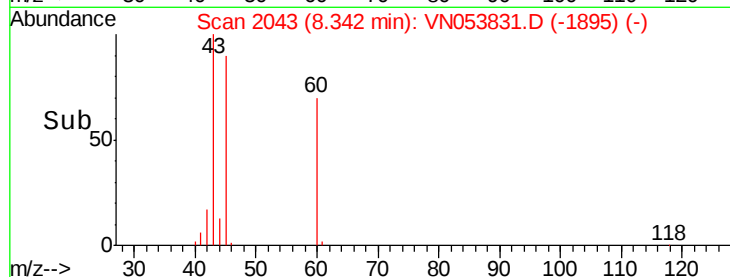
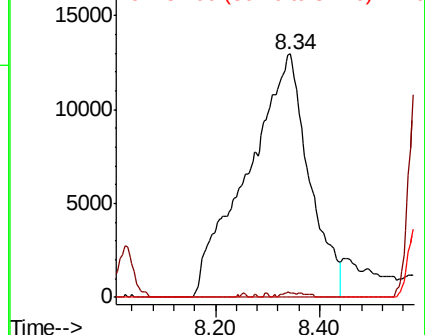
87 0.0 11.0 16.6#



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: 51.478 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053831.D

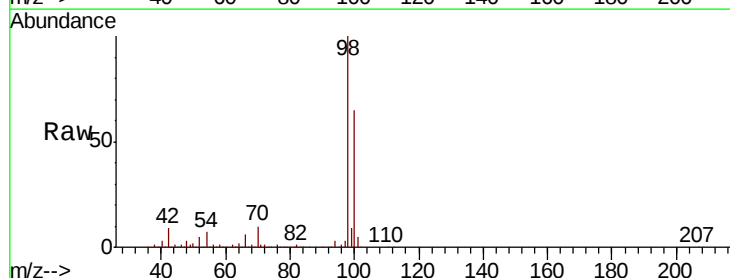
Acq: 18 Feb 2019 9:44

Tgt Ion: 98 Resp: 1236628

Ion Ratio Lower Upper

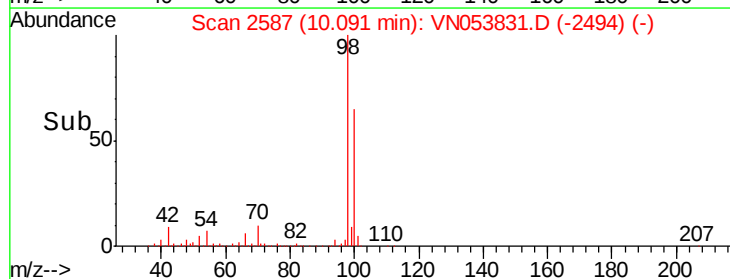
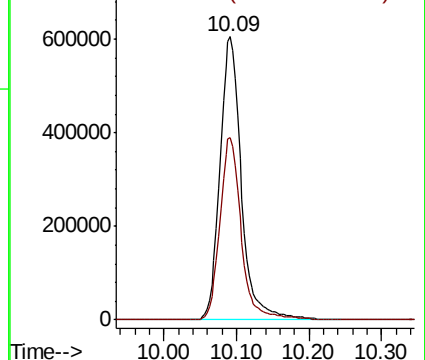
98 100

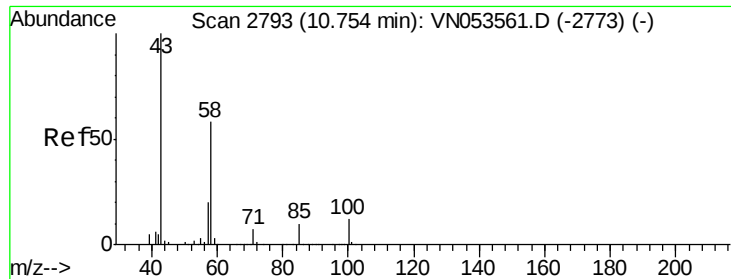
100 64.3 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

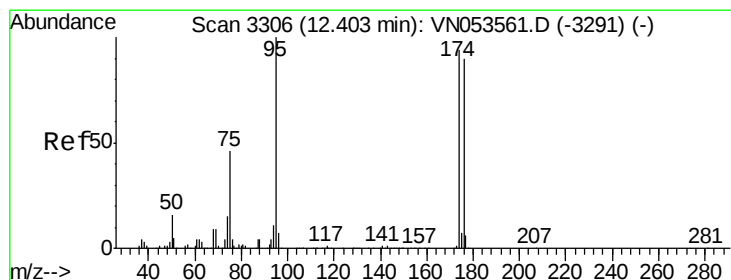
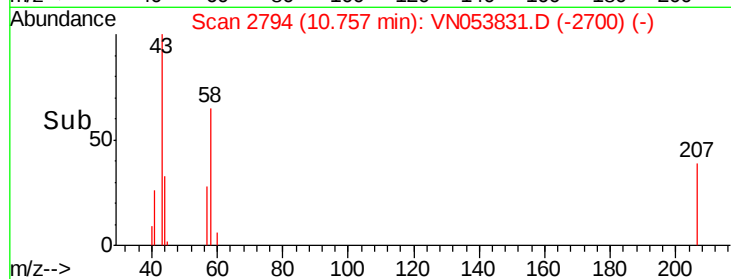
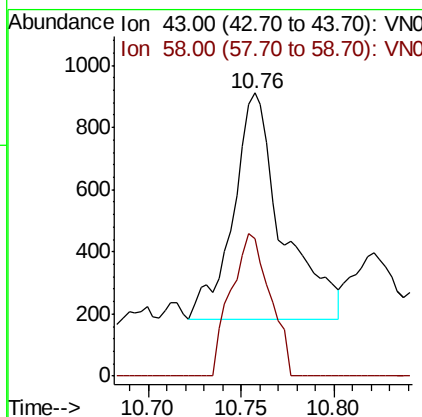
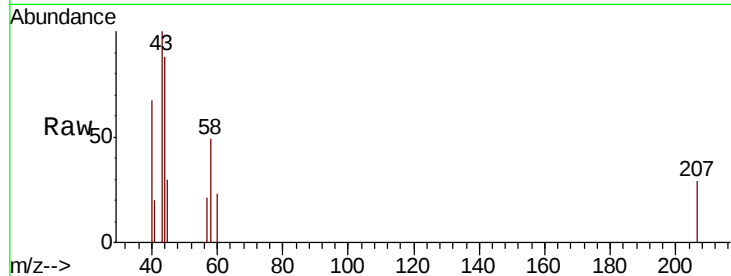




#59
2-Hexanone
Concen: 0.407 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN053831.D
Acq: 18 Feb 2019 9:44

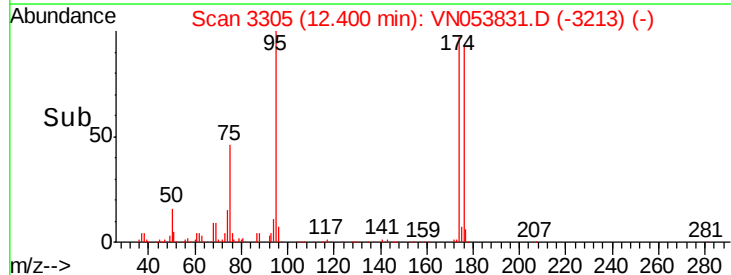
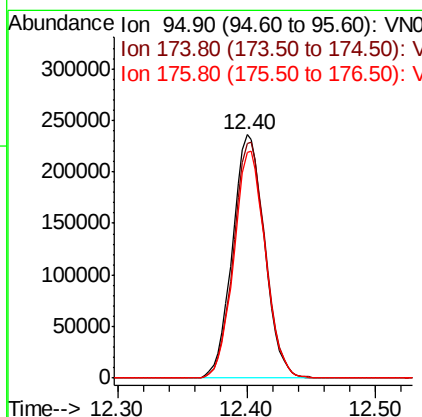
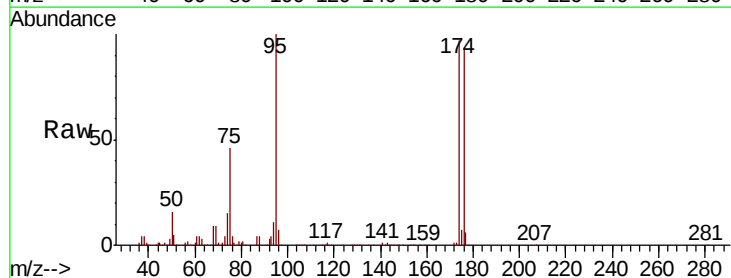
Instrument :
MSVOA_N
ClientSampled :
VN0218WBL01

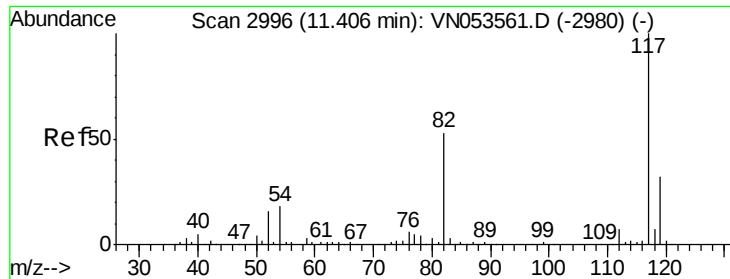
Tgt Ion: 43 Resp: 1338
Ion Ratio Lower Upper
43 100
58 50.4 28.6 85.8



#62
4-Bromofluorobenzene
Concen: 50.677 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053831.D
Acq: 18 Feb 2019 9:44

Tgt Ion: 95 Resp: 406020
Ion Ratio Lower Upper
95 100
174 96.7 0.0 183.2
176 92.1 0.0 177.4

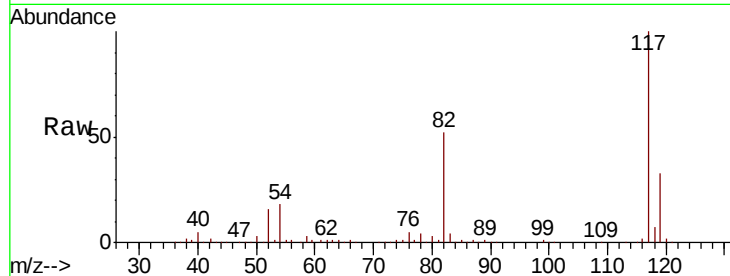




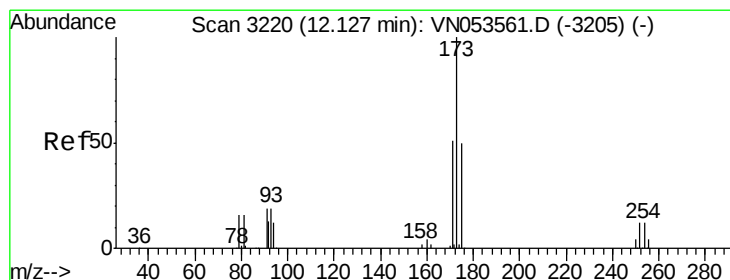
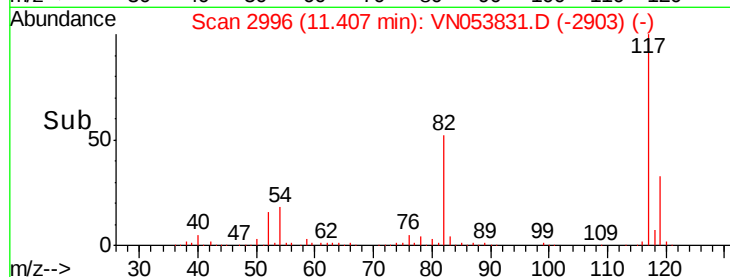
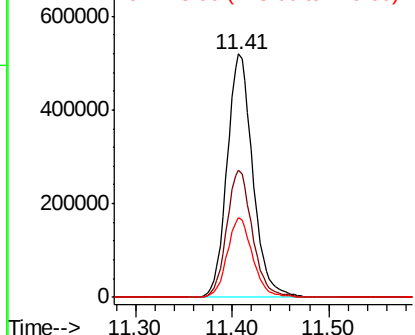
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053831.D
Acq: 18 Feb 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBL01

Tgt Ion:117 Resp: 956708
Ion Ratio Lower Upper
117 100
82 52.3 42.9 64.3
119 32.5 26.0 39.0

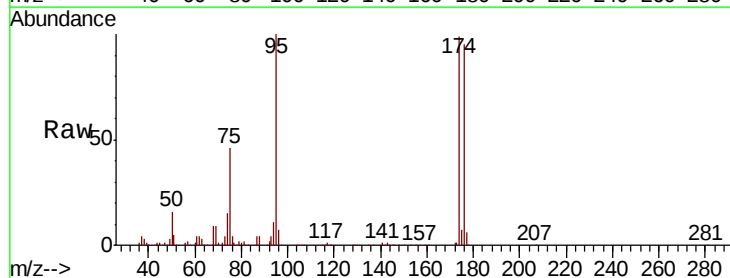


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

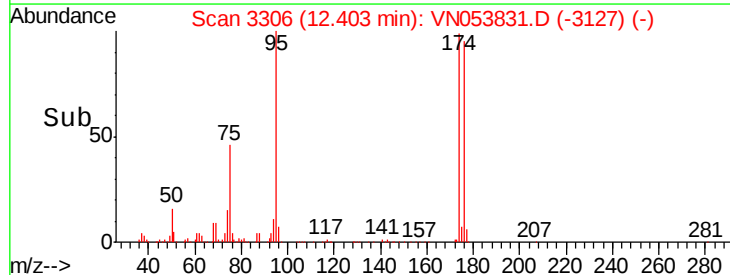
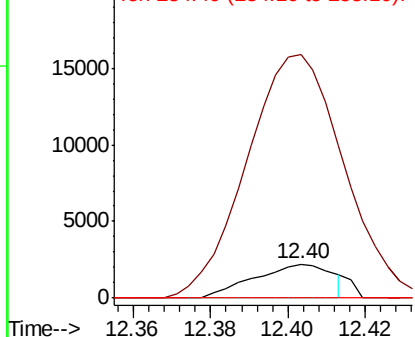


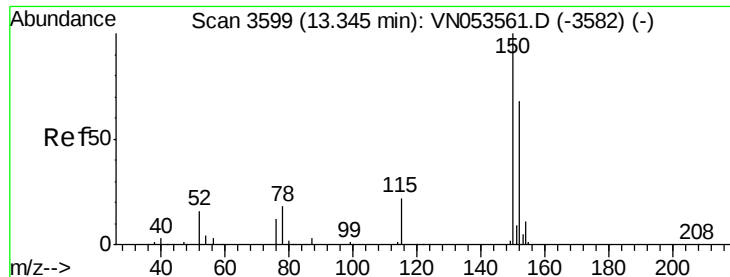
#71
Bromoform
Concen: 0.639 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053831.D
Acq: 18 Feb 2019 9:44

Tgt Ion:173 Resp: 3111
Ion Ratio Lower Upper
173 100
175 767.3 24.6 74.0#
254 0.0 0.2 0.2#



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: VN053831.D

Acq: 18 Feb 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VN0218WBL01

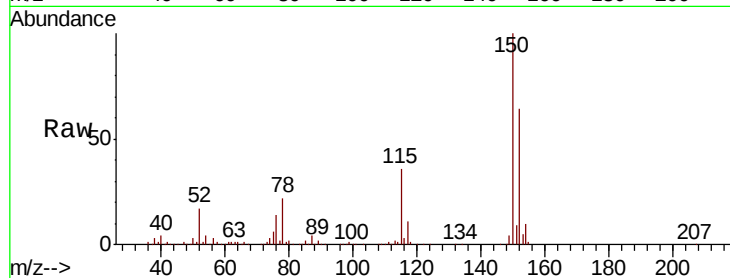
Tgt Ion:152 Resp: 369569

Ion Ratio Lower Upper

152 100

115 55.3 27.8 83.4

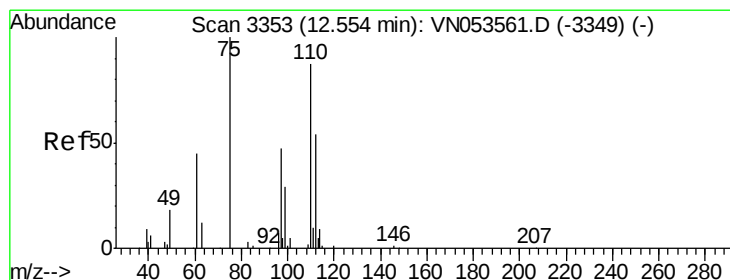
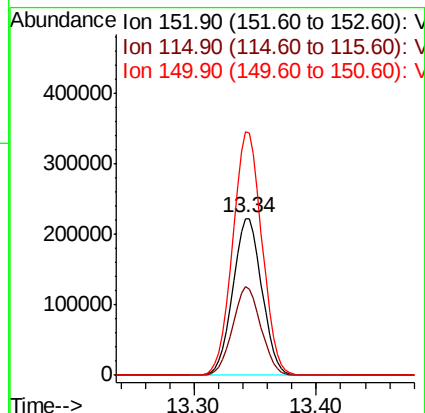
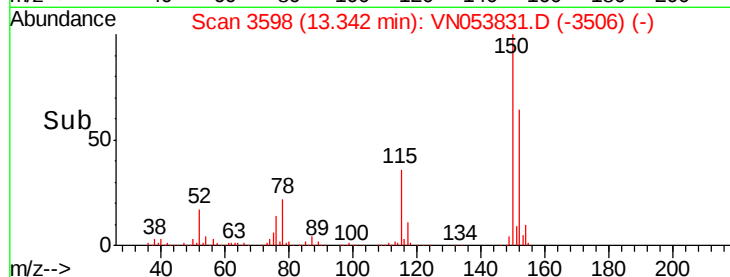
150 156.0 0.0 349.0



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: 39.278 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053831.D

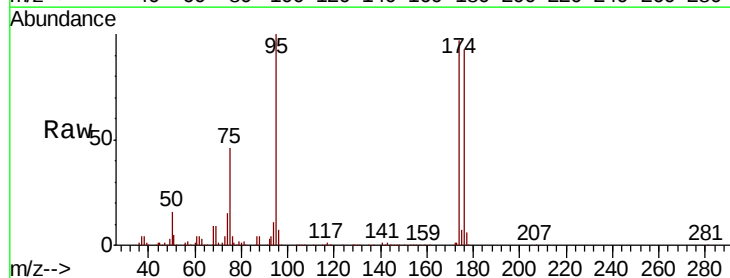
Acq: 18 Feb 2019 9:44

Tgt Ion: 75 Resp: 186449

Ion Ratio Lower Upper

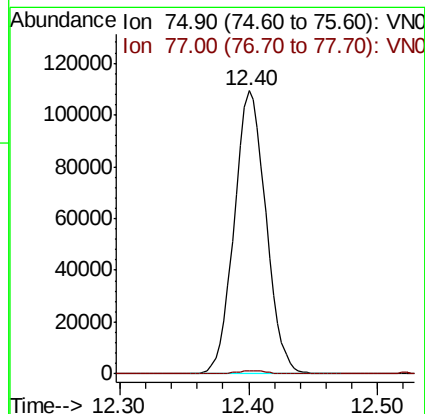
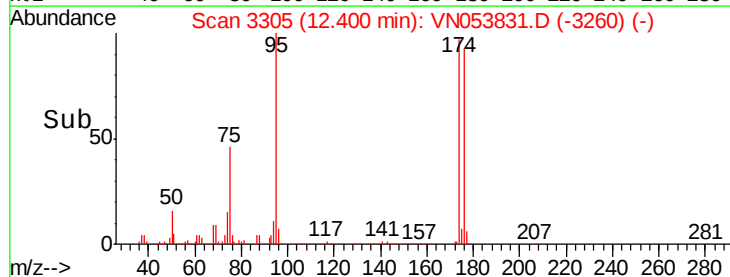
75 100

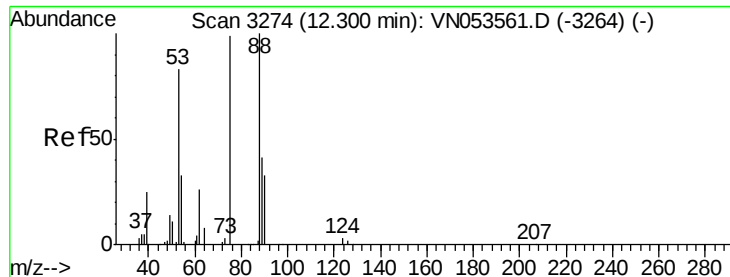
77 1.2 0.0 0.0#



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: 110.447 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053831.D

Acq: 18 Feb 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VN0218WBL01

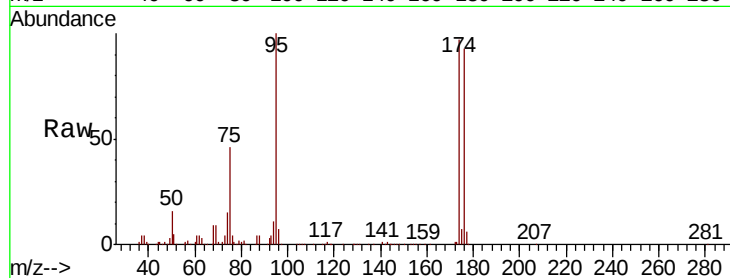
Tgt Ion: 75 Resp: 186449

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

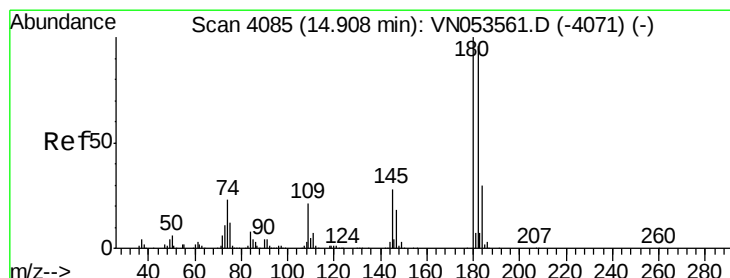
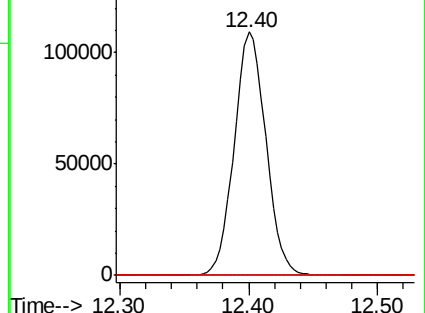
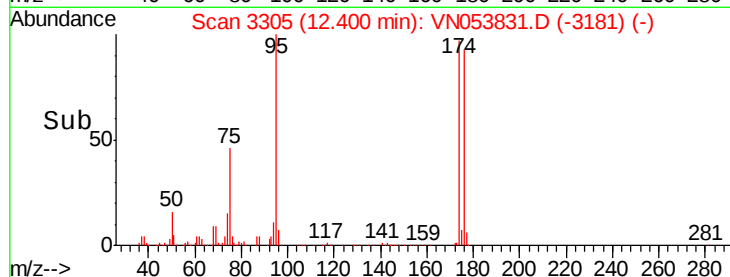
89 0.0 35.6 53.4#



Abundance Ion 74.90 (74.60 to 75.60): VN053831.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN053831.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN053831.D (-3181) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.318 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN053831.D

Acq: 18 Feb 2019 9:44

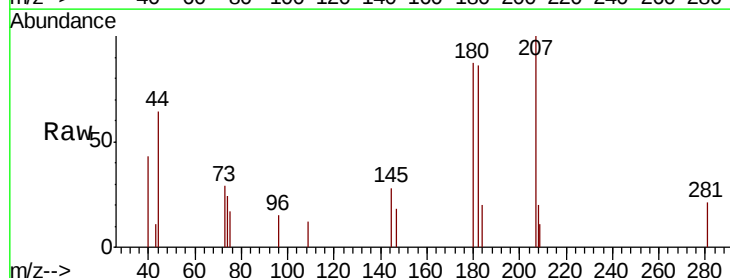
Tgt Ion: 180 Resp: 2195

Ion Ratio Lower Upper

180 100

182 96.1 48.1 144.3

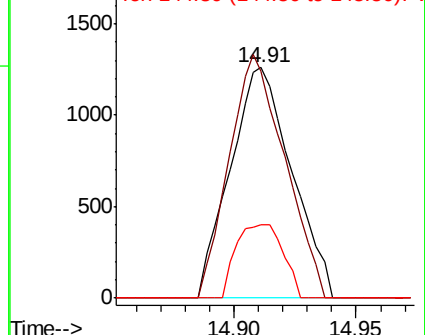
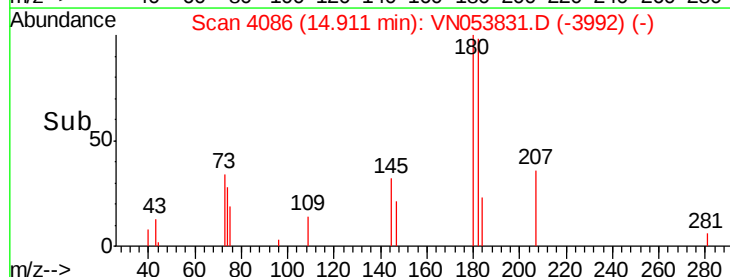
145 24.4 13.9 41.6

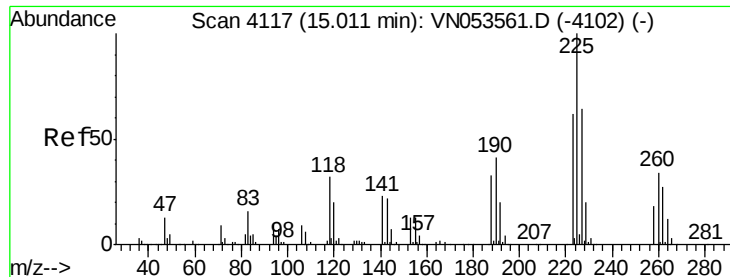


Abundance Ion 179.80 (179.50 to 180.50): VN053831.D (-3992) (-)

Ion 181.80 (181.50 to 182.50): VN053831.D (-3992) (-)

Ion 144.80 (144.50 to 145.50): VN053831.D (-3992) (-)





#94

Hexachlorobutadiene

Concen: 0.353 ug/l

RT: 15.00 min Scan# 4115

Delta R.T. -0.01 min

Lab File: VN053831.D

Acq: 18 Feb 2019 9:44

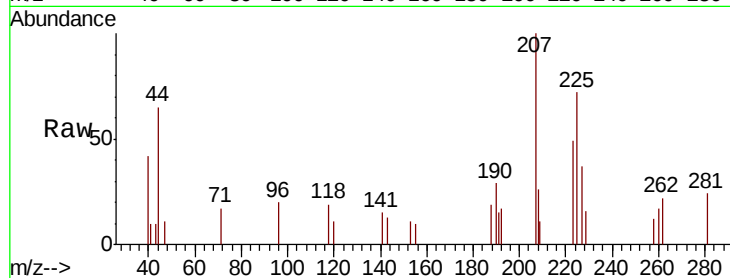
Instrument :

MSVOA_N

ClientSampled :

VN0218WBL01

Tgt Ion:	225	Resp:	1521
Ion	Ratio	Lower	Upper
225	100		
223	74.0	31.1	93.2
227	63.6	32.0	96.2

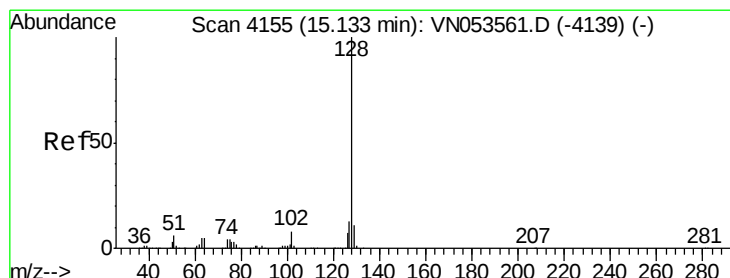
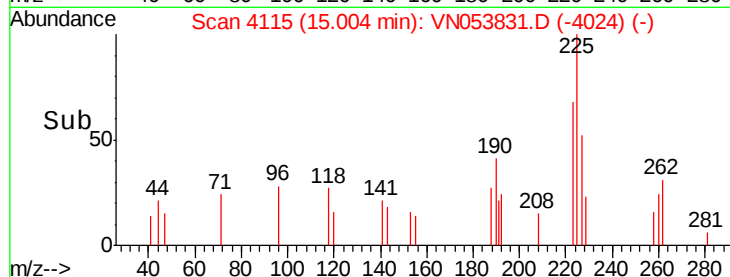
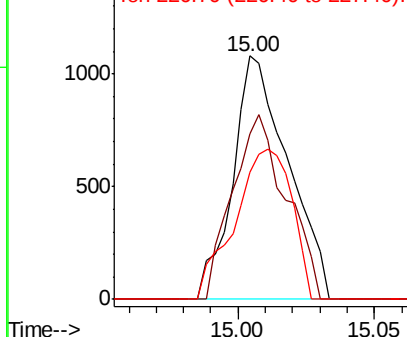


Abundance

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: 2.035 ug/l

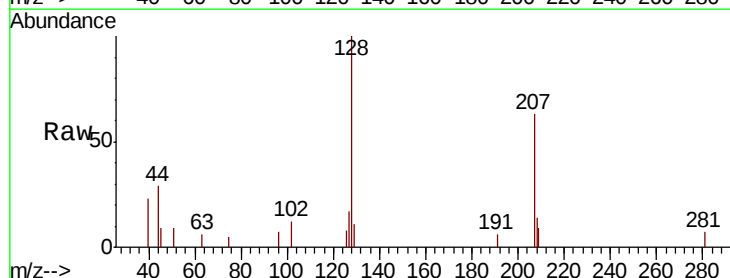
RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053831.D

Acq: 18 Feb 2019 9:44

Tgt Ion:	128	Resp:	5029
Ion	Ratio	Lower	Upper
128	100		
127	10.3	10.3	15.5#
129	8.6	8.6	13.0#

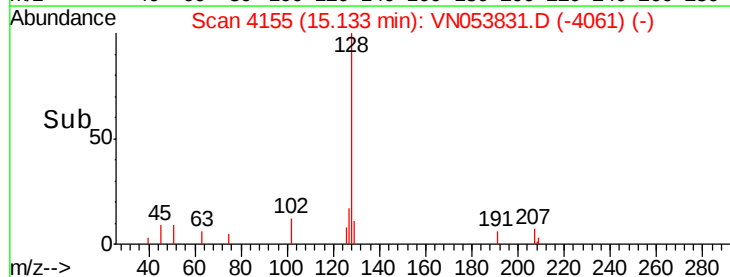
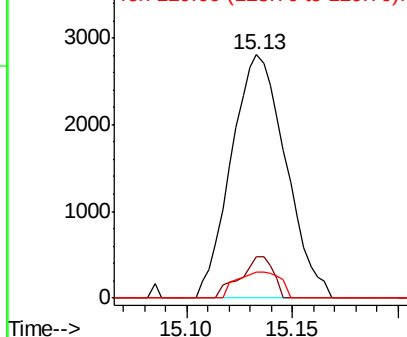


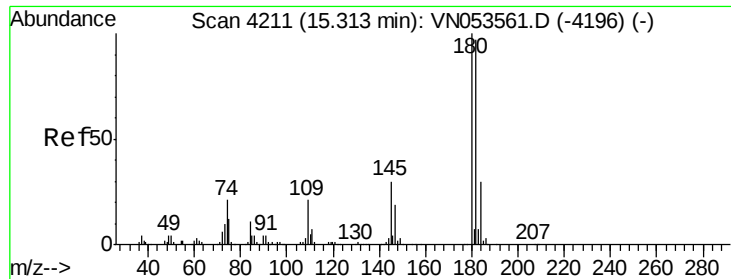
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

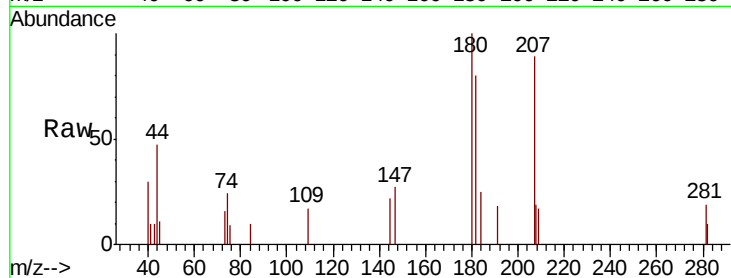




#96
 1,2,3-Trichlorobenzene
 Concen: 0.444 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN053831.D
 Acq: 18 Feb 2019 9:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	81.5	47.9	143.8
145	15.4	14.7	44.1



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

