

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081318\
 Data File : VN050559.D
 Acq On : 13 Aug 2018 11:27
 Operator : MD\SY
 Sample : VN0813WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBL01

Quant Time: Aug 14 00:56:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	584925	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	920743	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	802674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	277918	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	387012	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
35) Dibromofluoromethane	7.59	113	363912	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
50) Toluene-d8	10.09	98	1301411	46.85	ug/l	0.00
Spiked Amount			Recovery	=	93.70%	
62) 4-Bromofluorobenzene	12.40	95	352160	37.20	ug/l	0.00
Spiked Amount			Recovery	=	74.40%	

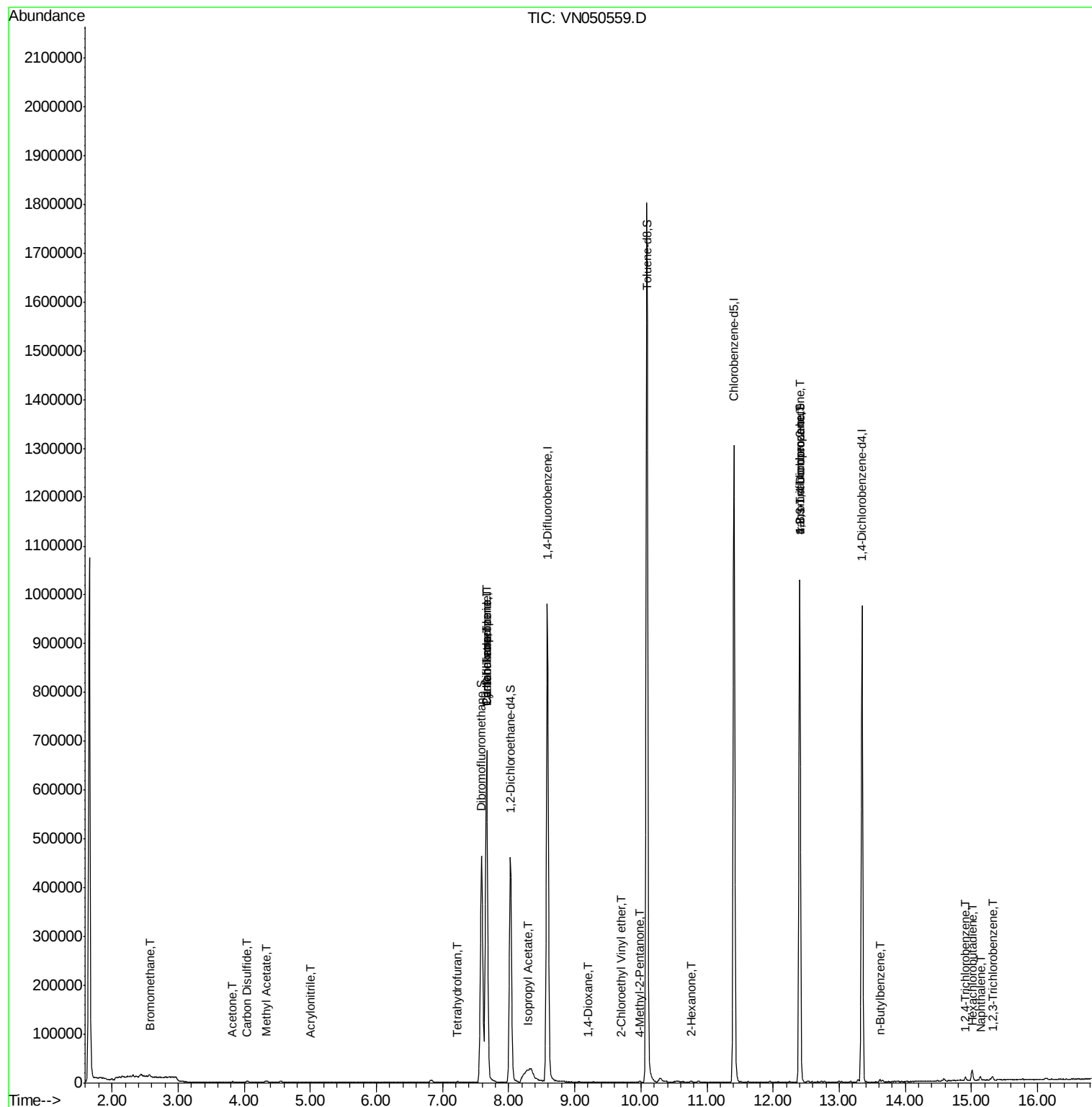
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2503	Below Cal		98
5) Bromomethane	2.57	94	3390	1.00	ug/l	88
15) Acrylonitrile	5.01	53	703	0.27	ug/l #	81
16) Acetone	3.82	43	1818	0.42	ug/l	92
17) Carbon Disulfide	4.04	76	5141	0.25	ug/l #	91
18) Methyl Acetate	4.33	43	2981	0.30	ug/l #	66
20) Methylene Chloride	4.55	84	1864	Below Cal	#	69
29) Tetrahydrofuran	7.22	42	1433	0.69	ug/l #	58
31) Cyclohexane	7.67	56	10379	0.30	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	41030	4.06	ug/l #	48
38) Carbon Tetrachloride	7.66	117	53321	5.05	ug/l #	17
43) Isopropyl Acetate	8.28	43	32795	2.61	ug/l #	61
49) 1,4-Dioxane	9.19	88	34	0.35	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	2484	0.27	ug/l #	35
58) 2-Chloroethyl Vinyl ether	9.70	63	98	7.41	ug/l #	48
59) 2-Hexanone	10.76	43	2791	0.44	ug/l	69
76) 1,2,3-Trichloropropane	12.40	75	170818	33.96	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	170818	119.31	ug/l #	13
89) n-Butylbenzene	13.62	91	3185	0.22	ug/l	86
93) 1,2,4-Trichlorobenzene	14.91	180	2121	0.42	ug/l	96
94) Hexachlorobutadiene	15.01	225	5203	0.24	ug/l	90
95) Naphthalene	15.14	128	6025	4.04	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	3293	0.64	ug/l	94

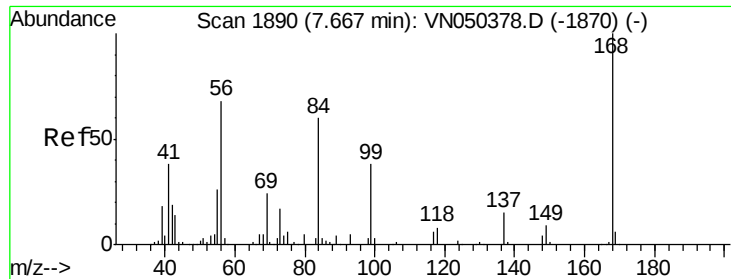
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081318\
Data File : VN050559.D
Acq On : 13 Aug 2018 11:27
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Aug 14 00:56:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050559.D

Acq: 13 Aug 2018 11:27

Instrument :

MSVOA_N

ClientSampled :

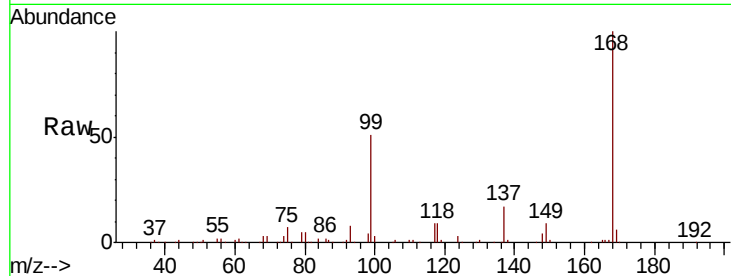
VN0813WBL01

Tot Ion:168 Resp: 584925

Ion Ratio Lower Upper

168 100

99 51.3 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

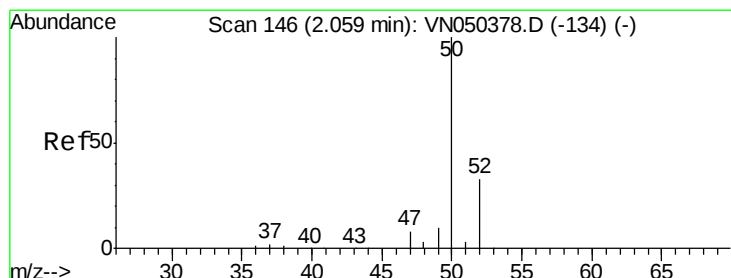
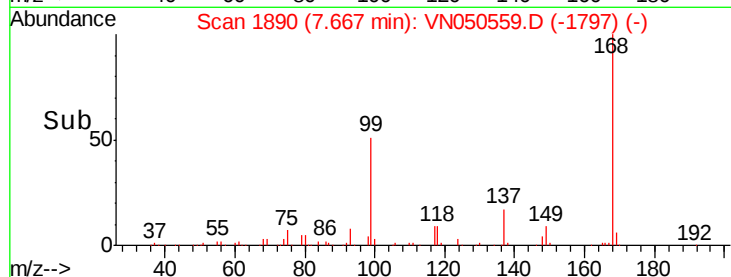
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050559.D

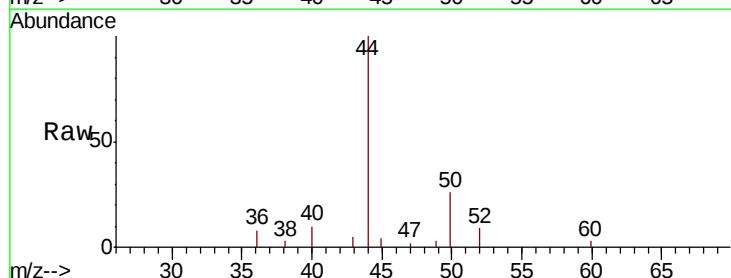
Acq: 13 Aug 2018 11:27

Tgt Ion: 50 Resp: 2503

Ion Ratio Lower Upper

50 100

52 33.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

2000

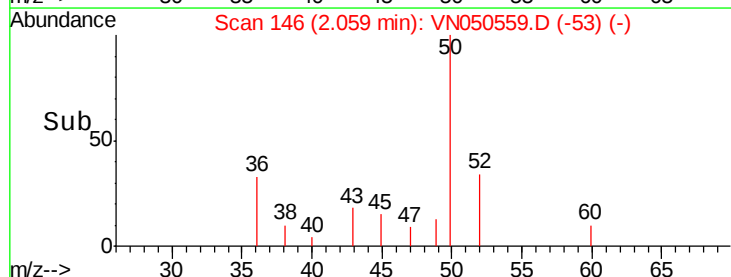
1500

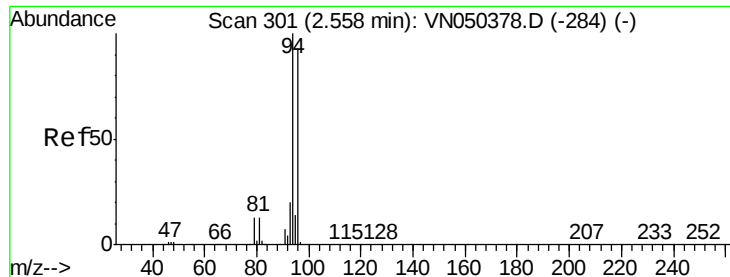
1000

500

0

Time-->





#5

Bromomethane

Concen: 1.00 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050559.D

Acq: 13 Aug 2018 11:27

Instrument :

MSVOA_N

ClientSampleId :

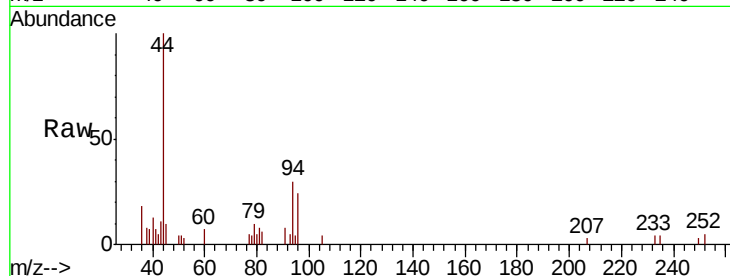
VN0813WBL01

Tot Ion: 94 Resp: 3390

Ion Ratio Lower Upper

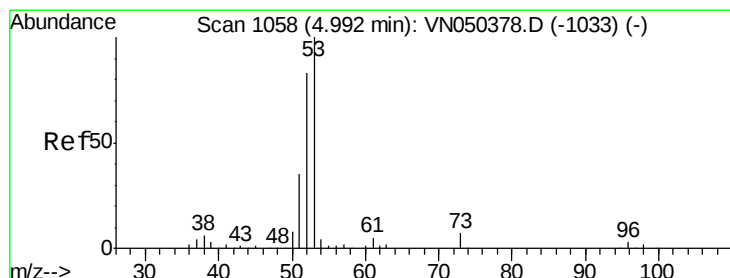
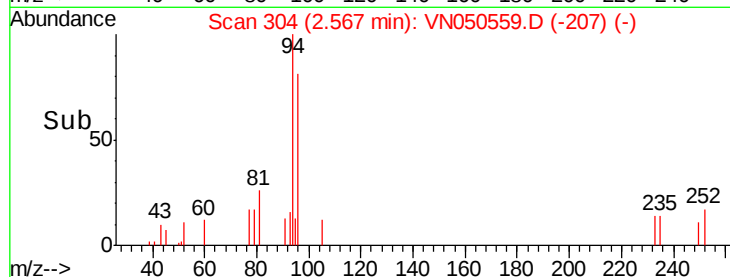
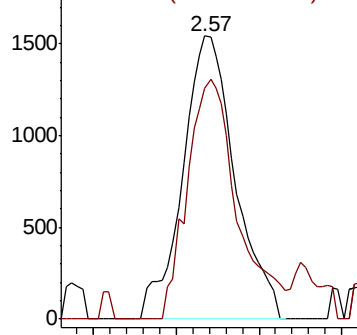
94 100

96 81.4 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#15

Acrylonitrile

Concen: 0.27 ug/l

RT: 5.01 min Scan# 1064

Delta R.T. 0.02 min

Lab File: VN050559.D

Acq: 13 Aug 2018 11:27

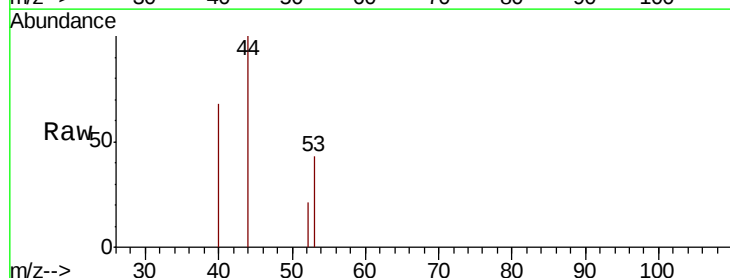
Tgt Ion: 53 Resp: 703

Ion Ratio Lower Upper

53 100

52 72.1 66.2 99.2

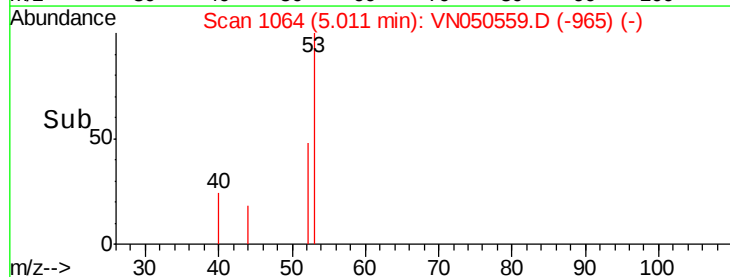
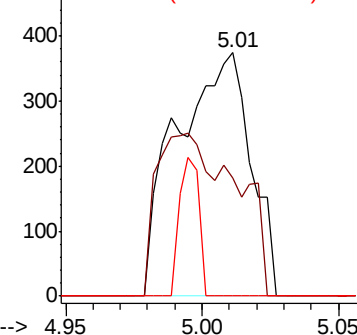
51 15.5 29.3 43.9#

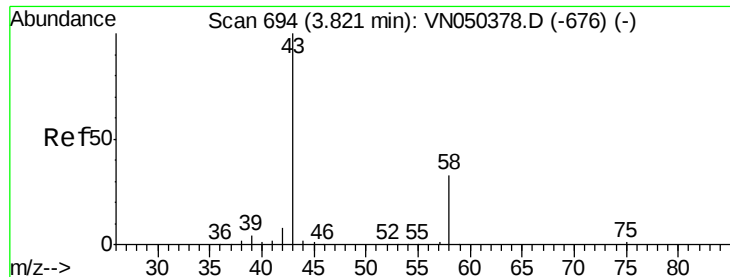


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#16

Acetone

Concen: 0.42 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050559.D

Acq: 13 Aug 2018 11:27

Instrument :

MSVOA_N

ClientSampled :

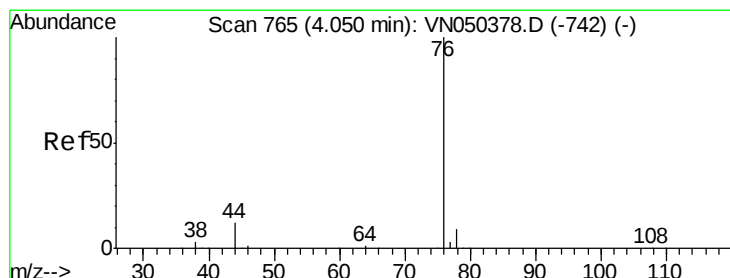
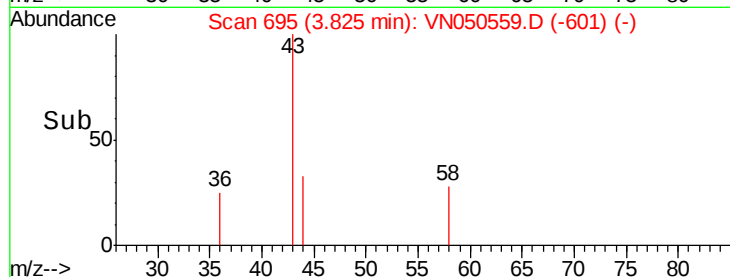
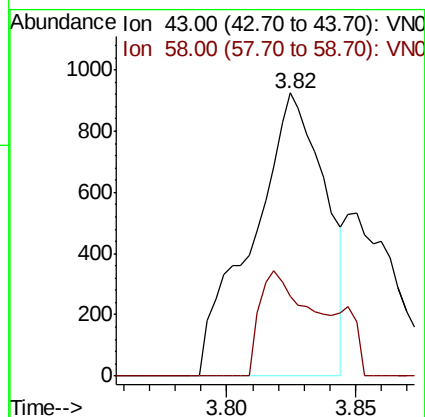
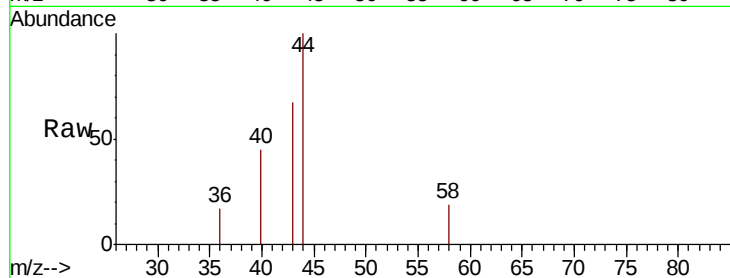
VN0813WBL01

Tot Ion: 43 Resp: 1818

Ion Ratio Lower Upper

43 100

58 28.0 25.8 38.8



#17

Carbon Disulfide

Concen: 0.25 ug/l

RT: 4.04 min Scan# 763

Delta R.T. -0.01 min

Lab File: VN050559.D

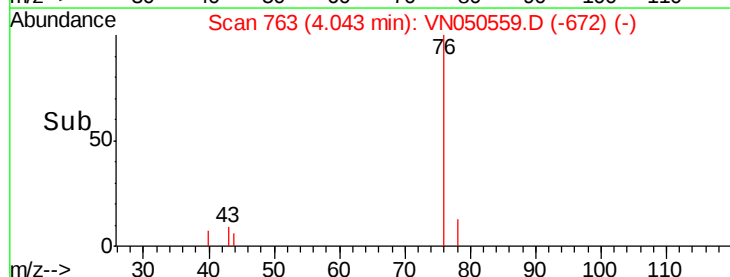
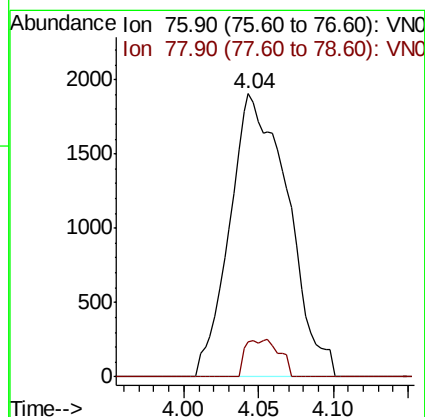
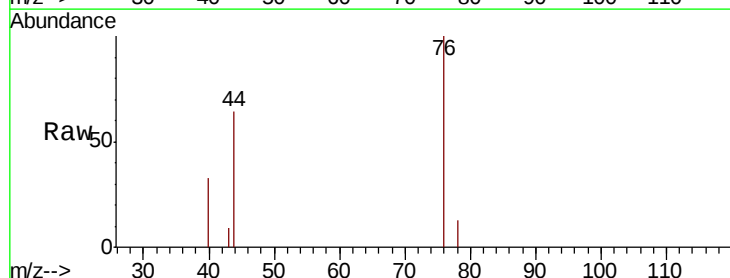
Acq: 13 Aug 2018 11:27

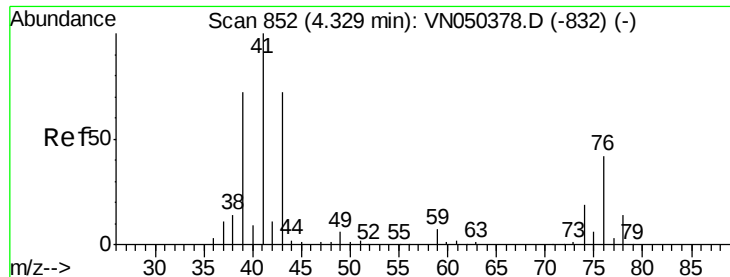
Tgt Ion: 76 Resp: 5141

Ion Ratio Lower Upper

76 100

78 12.5 7.3 10.9#

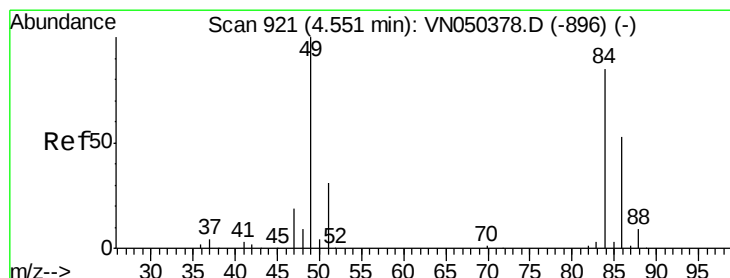
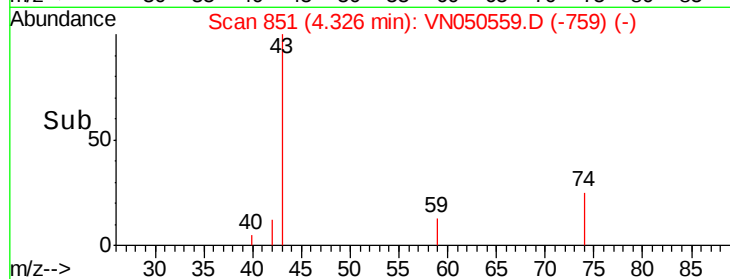
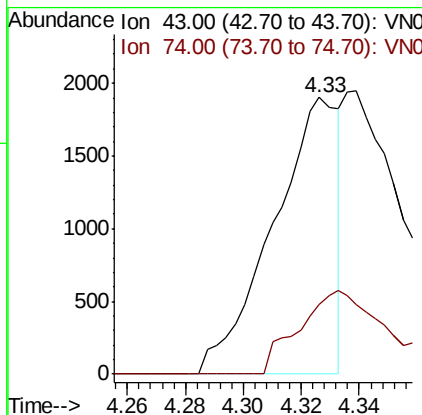
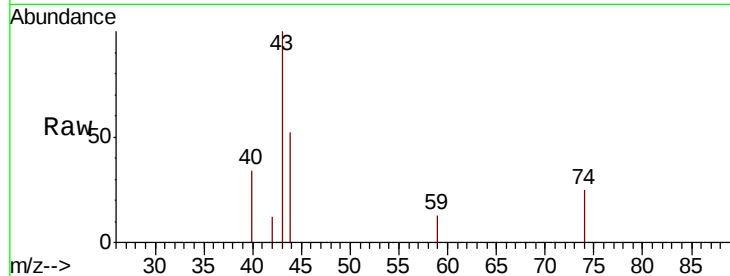




#18
Methyl Acetate
Concen: 0.30 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.00 min
Lab File: VN050559.D
Acq: 13 Aug 2018 11:27

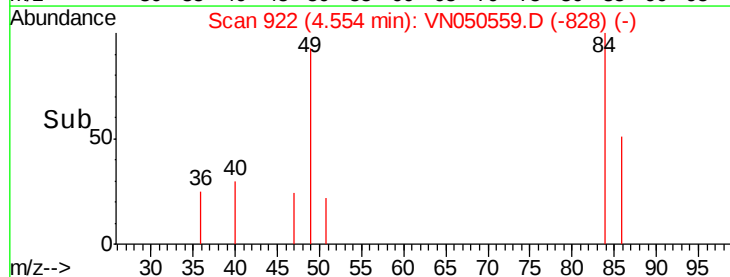
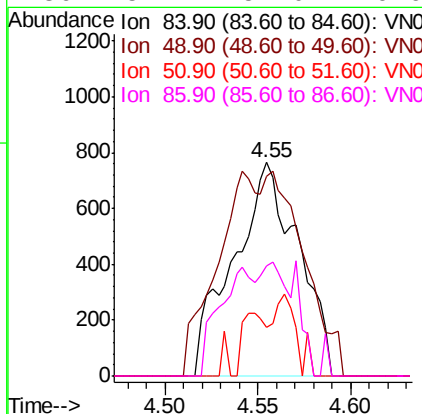
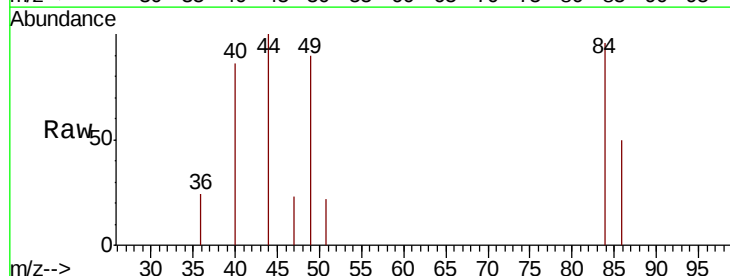
Instrument :
MSVOA_N
ClientSampled :
VN0813WBL01

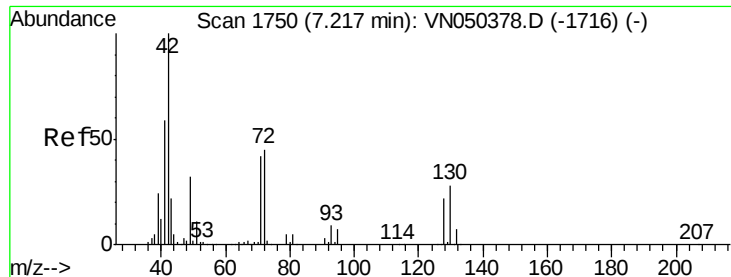
Tot Ion: 43 Resp: 2981
Ion Ratio Lower Upper
43 100
74 40.6 19.2 28.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050559.D
Acq: 13 Aug 2018 11:27

Tgt Ion: 84 Resp: 1864
Ion Ratio Lower Upper
84 100
49 72.2 94.8 142.2#
51 22.5 28.3 42.5#
86 51.4 51.0 76.6





#29

Tetrahydrofuran

Concen: 0.69 ug/l

RT: 7.22 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VN050559.D

Acq: 13 Aug 2018 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBL01

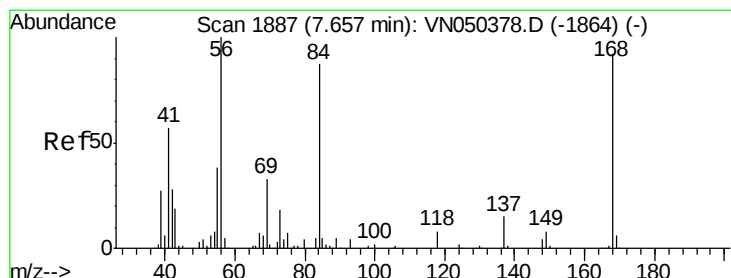
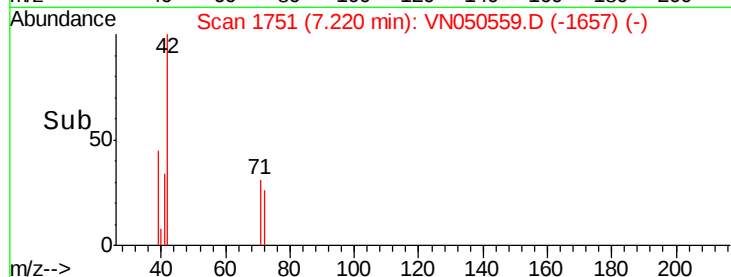
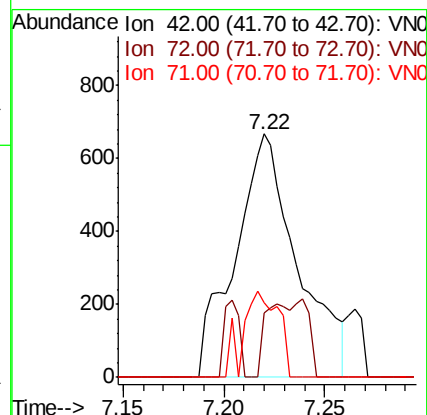
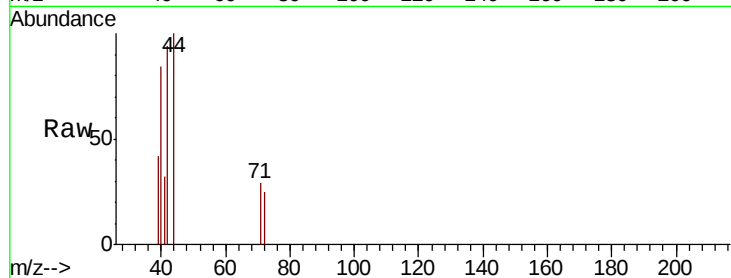
Tot Ion: 42 Resp: 1433

Ion Ratio Lower Upper

42 100

72 12.7 35.9 53.9#

71 20.3 33.7 50.5#



#31

Cyclohexane

Concen: 0.30 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VN050559.D

Acq: 13 Aug 2018 11:27

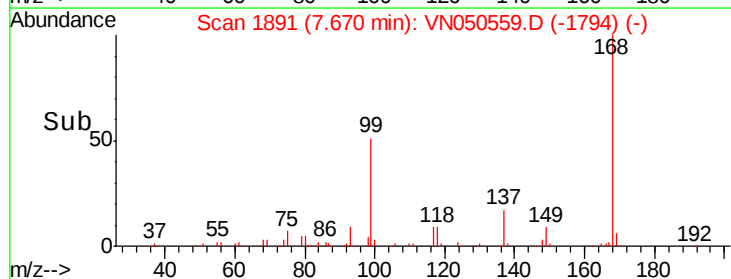
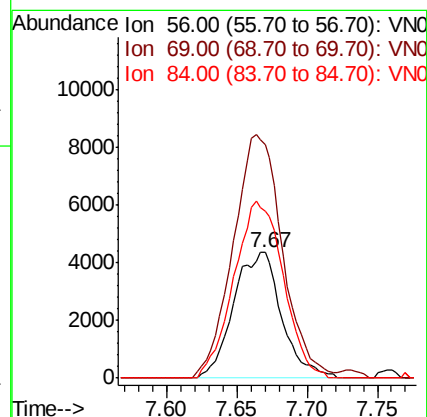
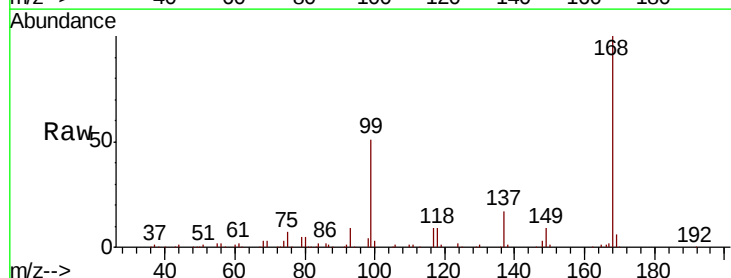
Tgt Ion: 56 Resp: 10379

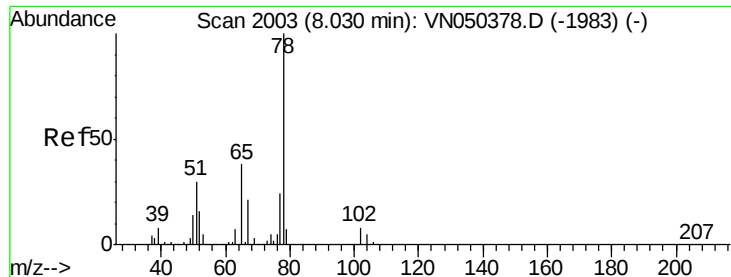
Ion Ratio Lower Upper

56 100

69 186.2 26.2 39.4#

84 132.9 67.4 101.0#

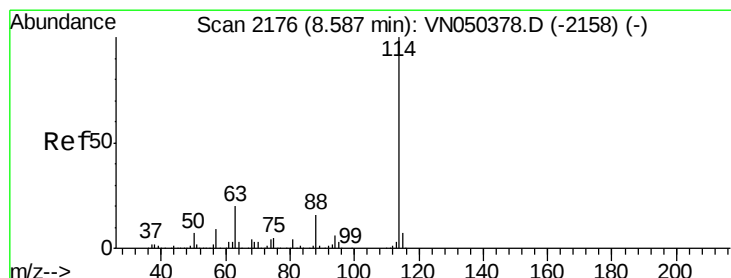
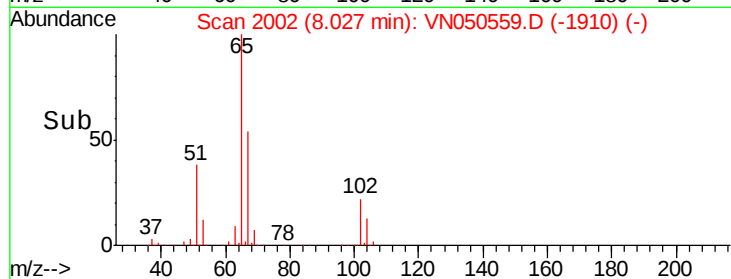
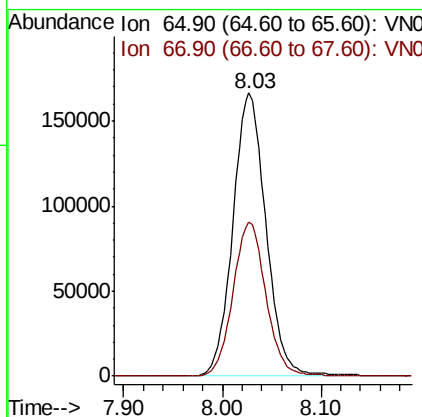
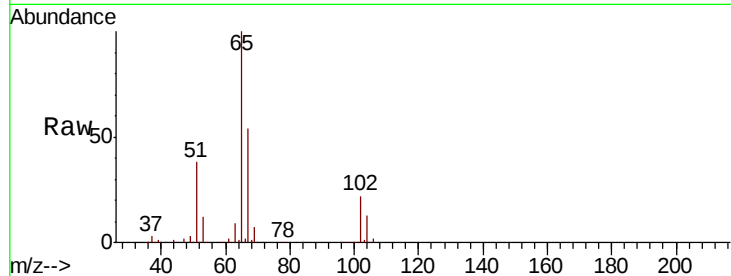




#33
 1,2-Dichloroethane-d4
 Concen: 49.52 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050559.D
 Acq: 13 Aug 2018 11:27

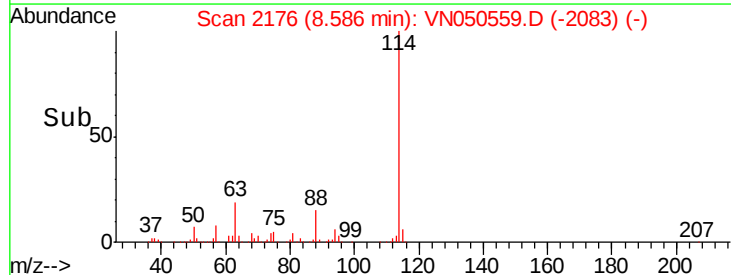
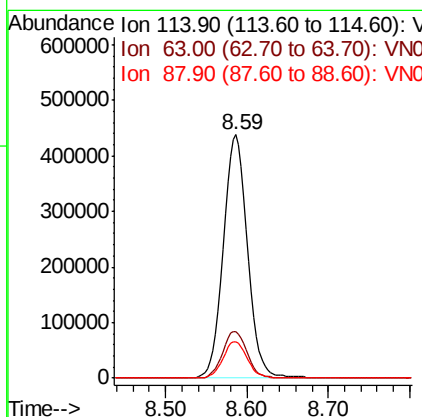
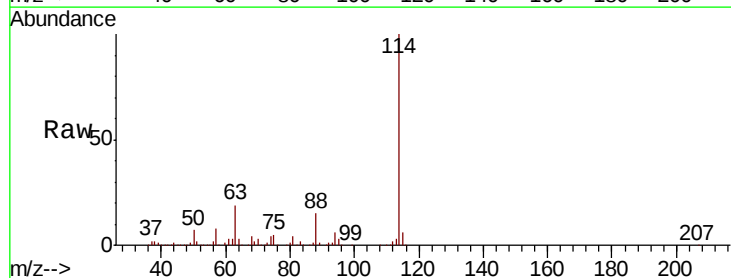
Instrument :
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 ClientSampleId :
 VN0813WBL01

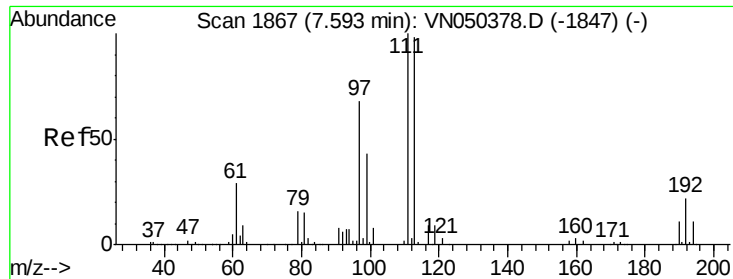
Tot Ion: 65 Resp: 387012
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050559.D
 Acq: 13 Aug 2018 11:27

Tgt Ion: 114 Resp: 920743
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.0
 88 15.0 0.0 31.2

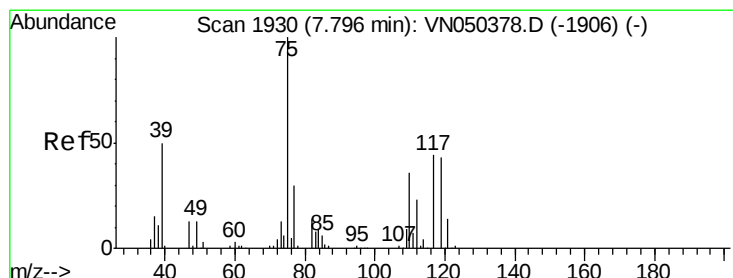
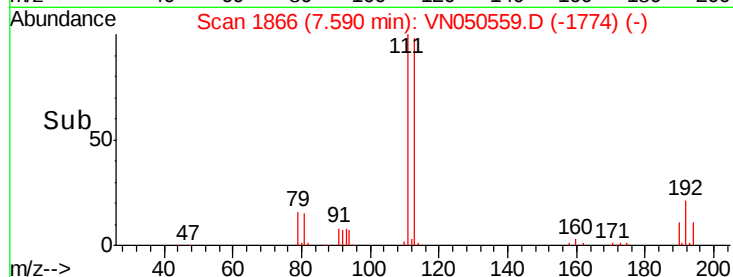
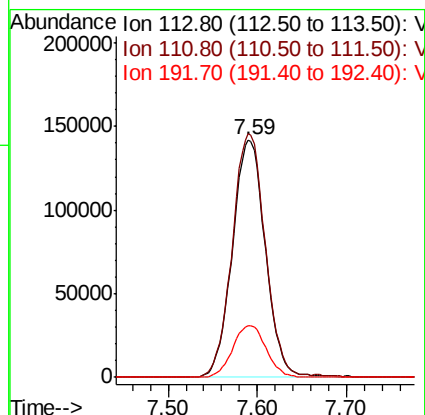
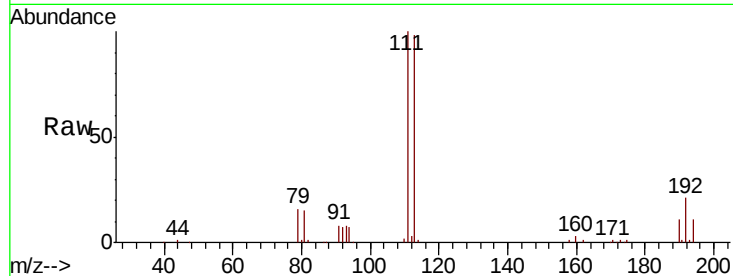




#35
 Dibromofluoromethane
 Concen: 49.26 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050559.D
 Acq: 13 Aug 2018 11:27

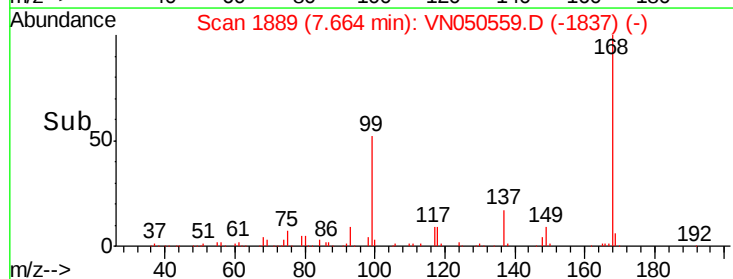
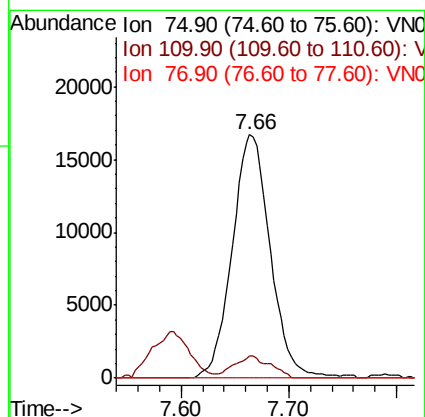
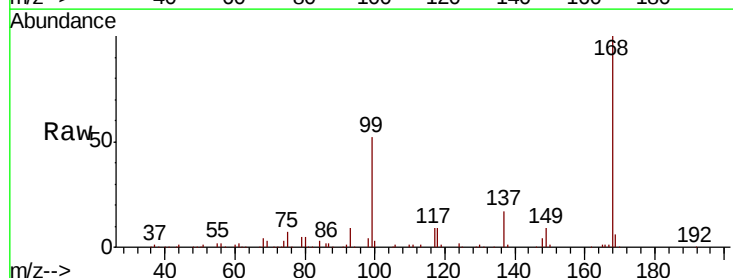
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 ClientSampleId :
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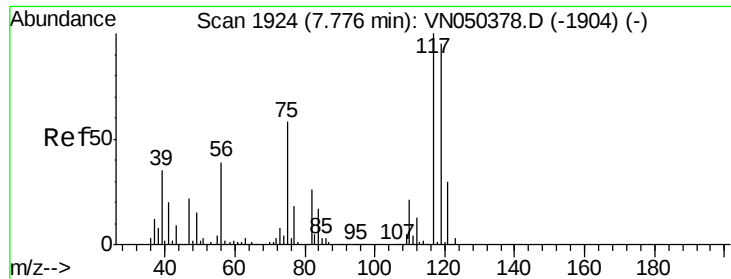
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.7	121.1
192	22.3	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 4.06 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. -0.13 min
 Lab File: VN050559.D
 Acq: 13 Aug 2018 11:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.4	55.2#
77	0.0	25.3	37.9#





#38

Carbon Tetrachloride

Concen: 5.05 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.11 min

Lab File: VN050559.D

Acq: 13 Aug 2018 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBL01

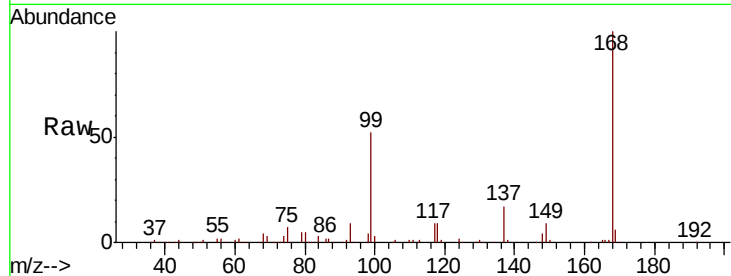
Tot Ion:117 Resp: 53321

Ion Ratio Lower Upper

117 100

119 7.0 77.4 116.0#

121 0.0 23.9 35.9#

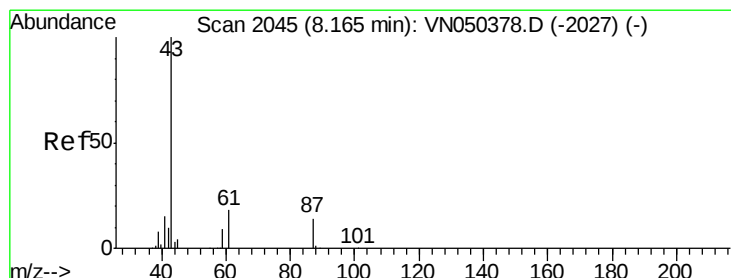
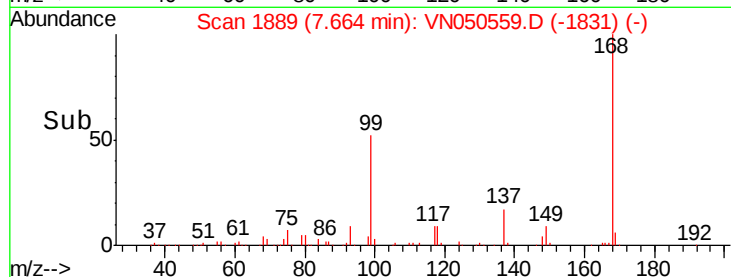
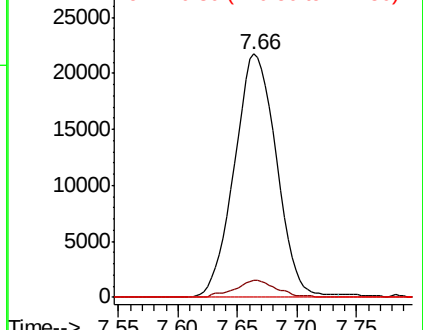


Abundance

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: 2.61 ug/l

RT: 8.28 min Scan# 2080

Delta R.T. 0.11 min

Lab File: VN050559.D

Acq: 13 Aug 2018 11:27

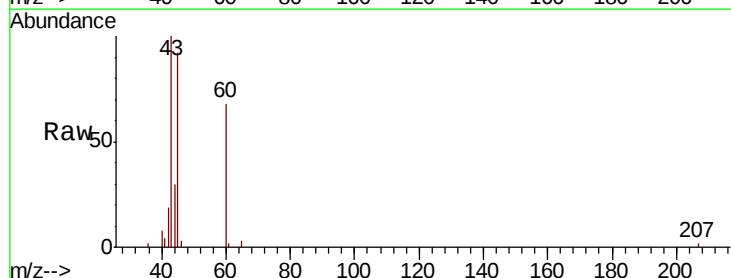
Tgt Ion: 43 Resp: 32795

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.6#

87 0.0 10.3 15.5#

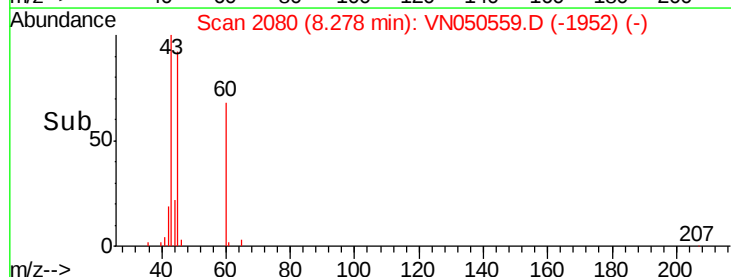
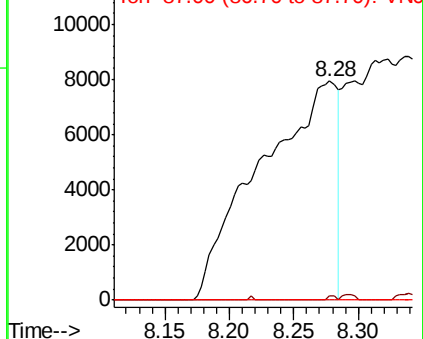


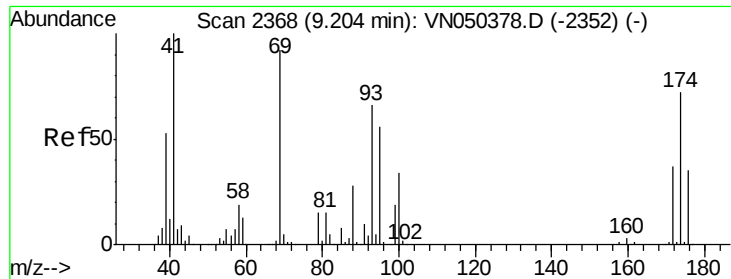
Abundance

Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

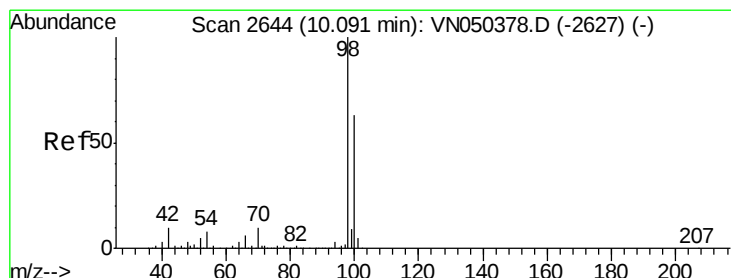
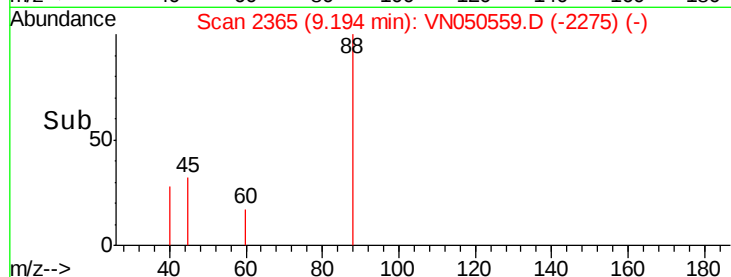
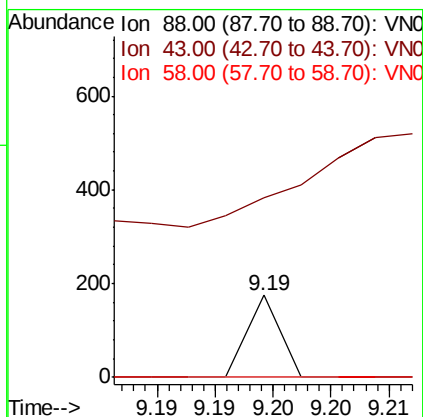
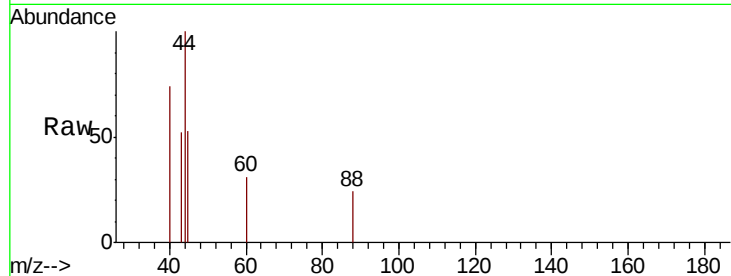




#49
 1,4-Dioxane
 Concen: 0.35 ug/l
 RT: 9.19 min Scan# 2365
 Delta R.T. -0.01 min
 Lab File: VN050559.D
 Acq: 13 Aug 2018 11:27

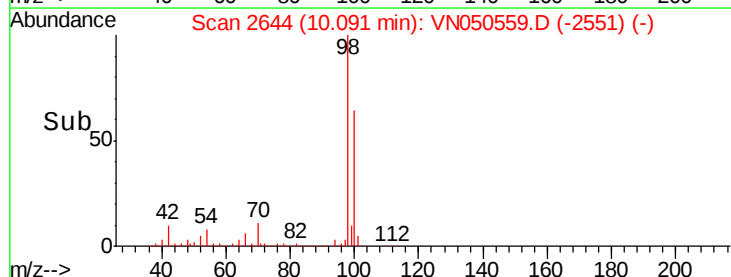
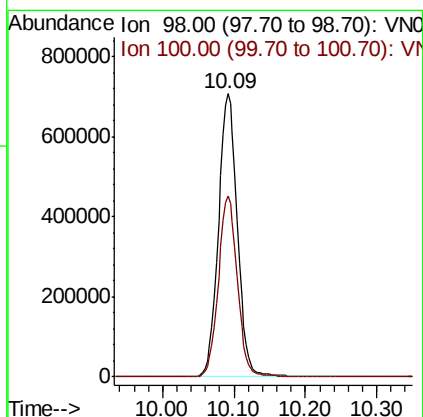
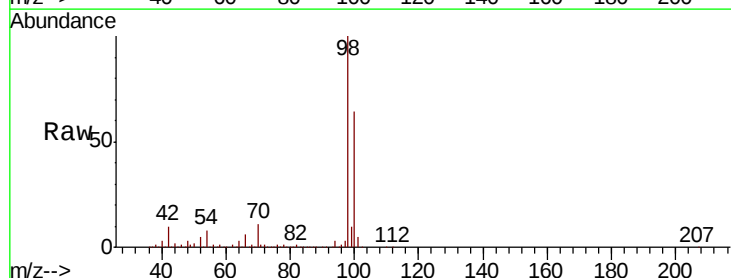
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBL01

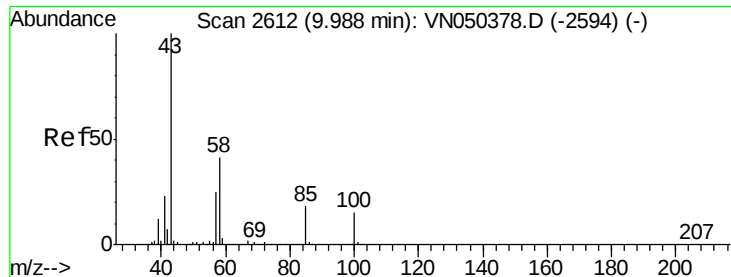
Tot Ion: 88 Resp: 34
 Ion Ratio Lower Upper
 88 100
 43 1276.5 26.9 40.3#
 58 0.0 57.3 85.9#



#50
 Toluene-d8
 Concen: 46.85 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050559.D
 Acq: 13 Aug 2018 11:27

Tgt Ion: 98 Resp: 1301411
 Ion Ratio Lower Upper
 98 100
 100 63.9 50.7 76.1

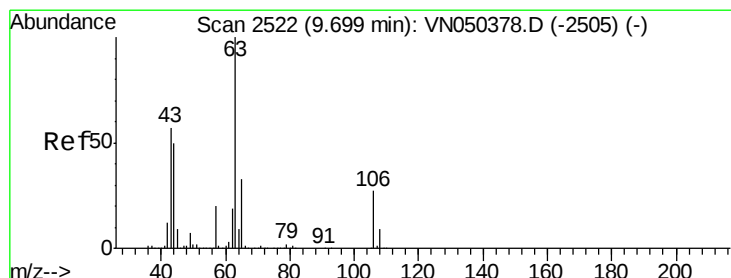
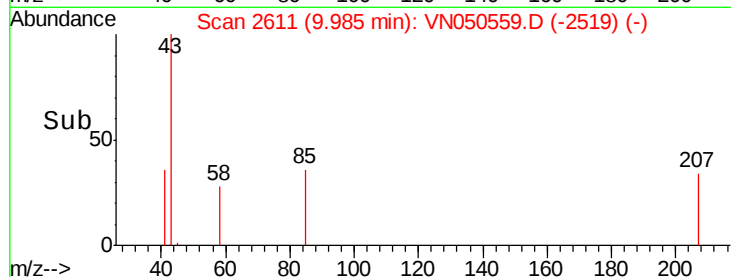
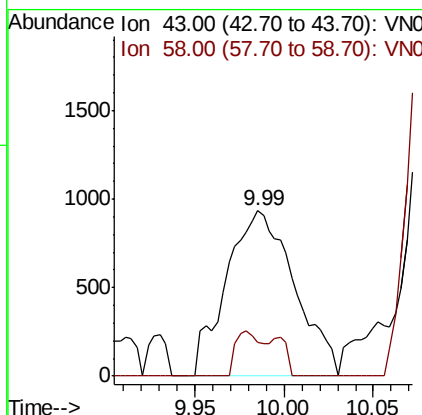
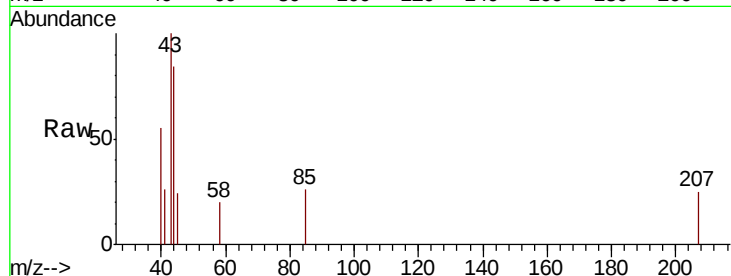




#51
 4-Methyl-2-Pentanone
 Concen: 0.27 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN050559.D
 Acq: 13 Aug 2018 11:27

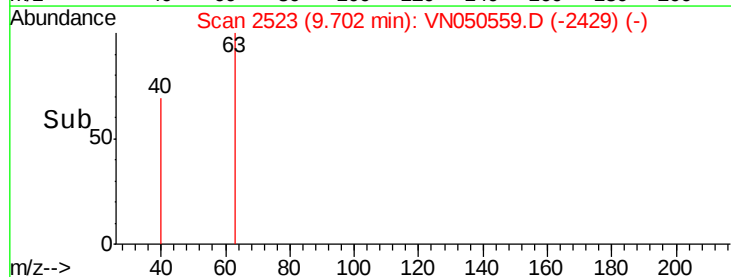
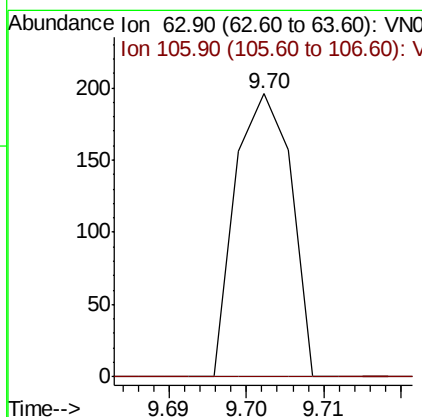
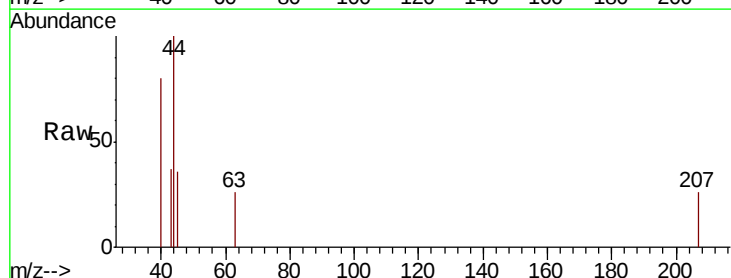
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBL01

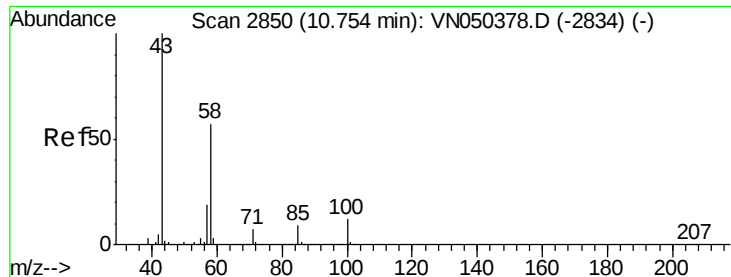
Tot Ion: 43 Resp: 2484
 Ion Ratio Lower Upper
 43 100
 58 0.0 31.9 47.9#



#58
 2-Chloroethyl Vinyl ether
 Concen: 7.41 ug/l
 RT: 9.70 min Scan# 2523
 Delta R.T. 0.00 min
 Lab File: VN050559.D
 Acq: 13 Aug 2018 11:27

Tgt Ion: 63 Resp: 98
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.7 32.5#

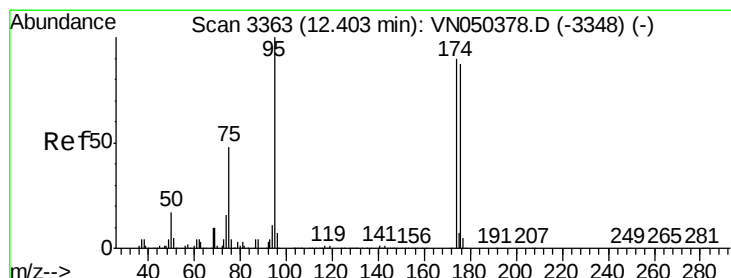
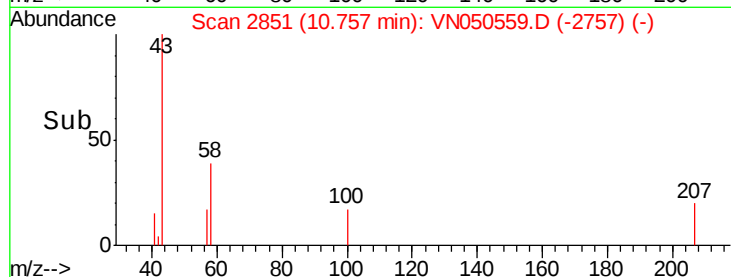
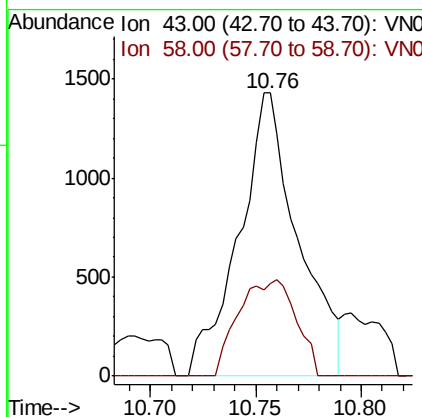
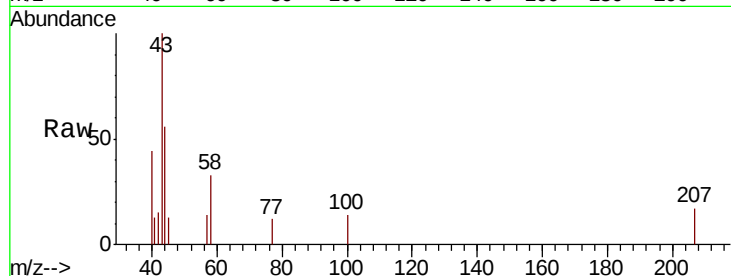




#59
2-Hexanone
Concen: 0.44 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN050559.D
Acq: 13 Aug 2018 11:27

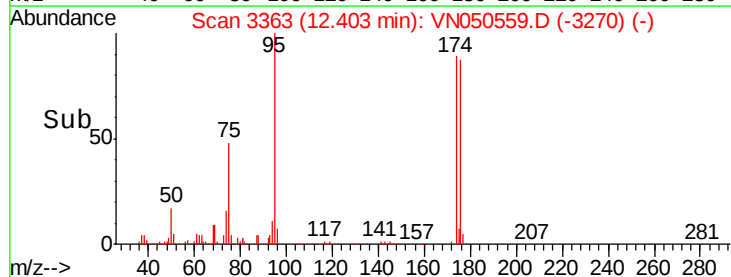
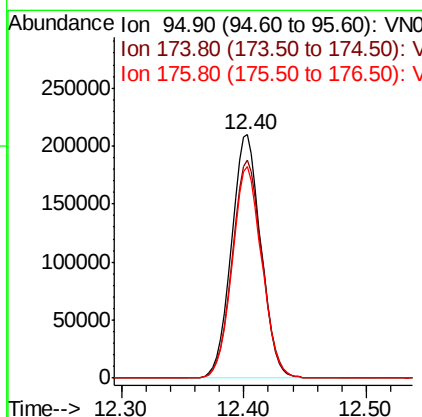
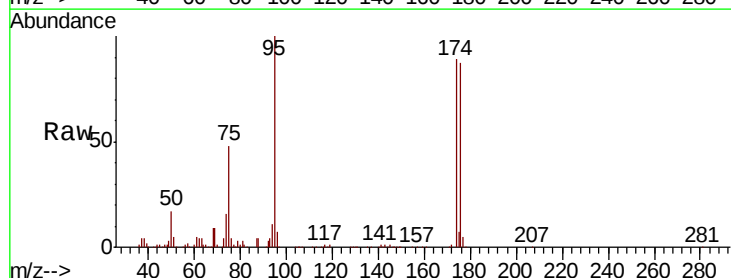
Instrument :
MSVOA_N
ClientSampleId :
VN0813WBL01

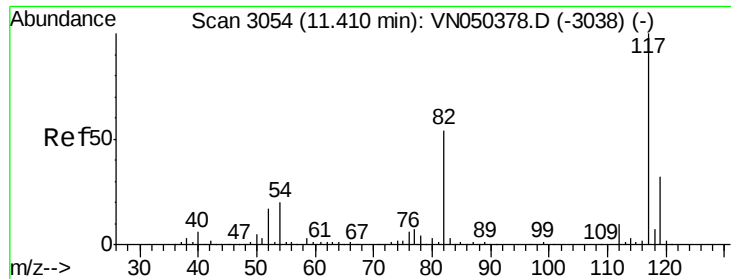
Tot Ion: 43 Resp: 2791
Ion Ratio Lower Upper
43 100
58 33.0 27.6 82.7



#62
4-Bromofluorobenzene
Concen: 37.20 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050559.D
Acq: 13 Aug 2018 11:27

Tgt Ion: 95 Resp: 352160
Ion Ratio Lower Upper
95 100
174 90.6 0.0 178.2
176 86.9 0.0 173.4

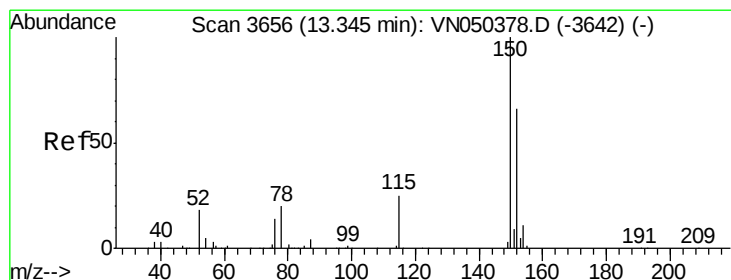
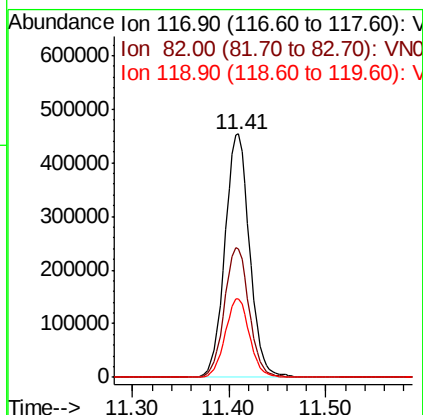
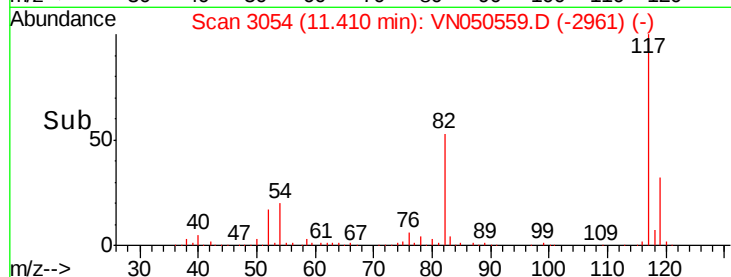
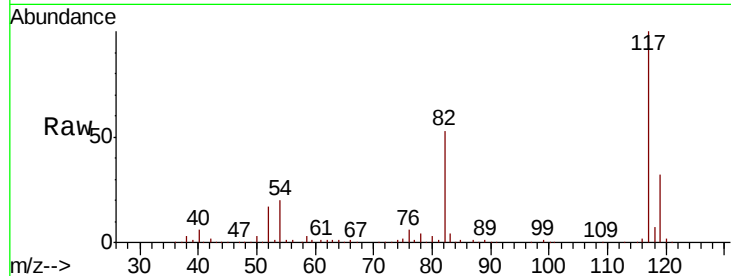




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050559.D
Acq: 13 Aug 2018 11:27

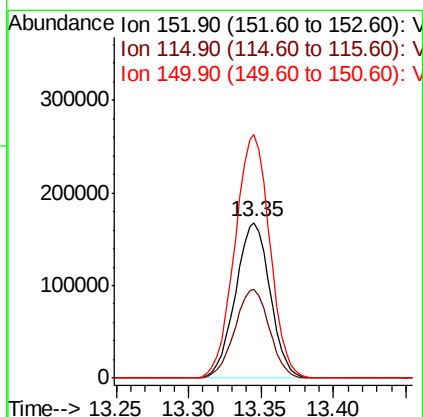
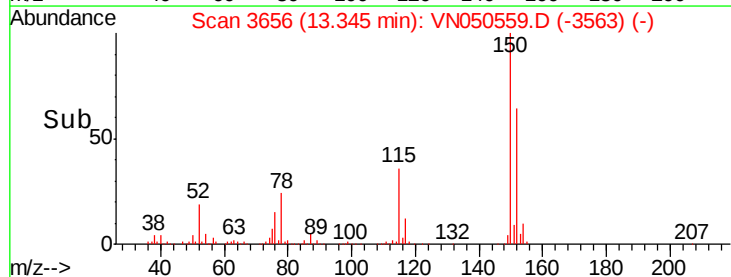
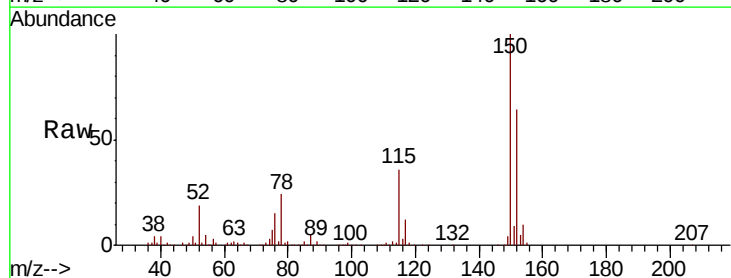
Instrument :
MSVOA_N
ClientSampleId :
VN0813WBL01

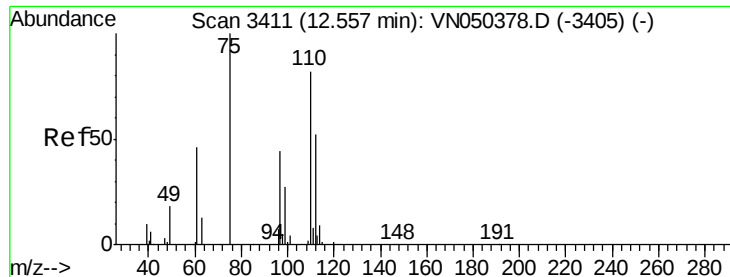
Tot Ion:117 Resp: 802674
Ion Ratio Lower Upper
117 100
82 53.0 43.7 65.5
119 32.3 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN050559.D
Acq: 13 Aug 2018 11:27

Tgt Ion:152 Resp: 277918
Ion Ratio Lower Upper
152 100
115 57.3 27.8 83.3
150 157.9 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 33.96 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. -0.16 min

Lab File: VN050559.D

Acq: 13 Aug 2018 11:27

Instrument :

MSVOA_N

ClientSampleId :

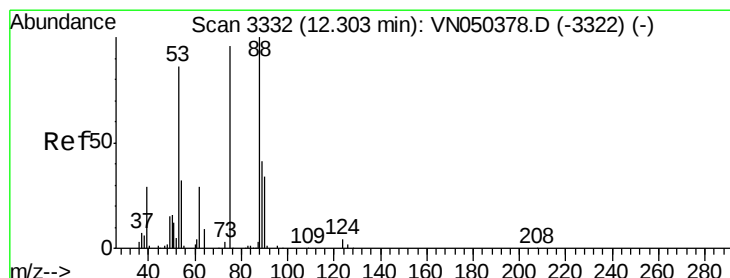
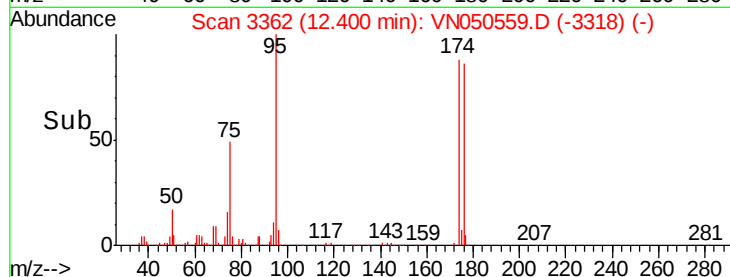
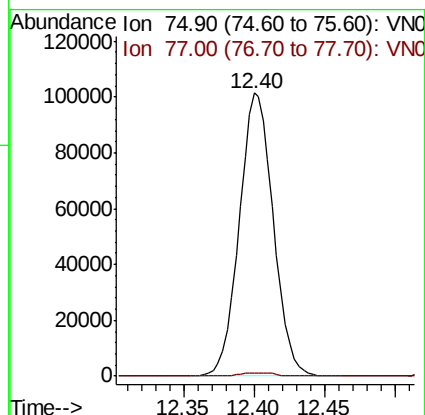
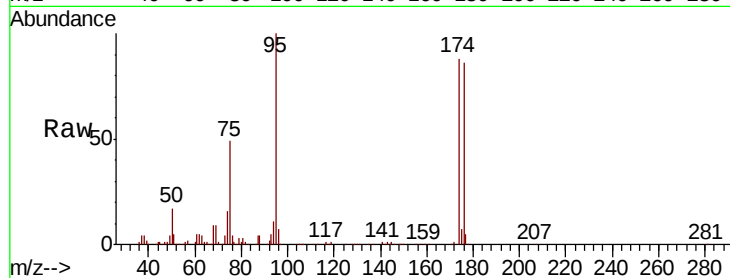
VN0813WBL01

Tot Ion: 75 Resp: 170818

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 119.31 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.10 min

Lab File: VN050559.D

Acq: 13 Aug 2018 11:27

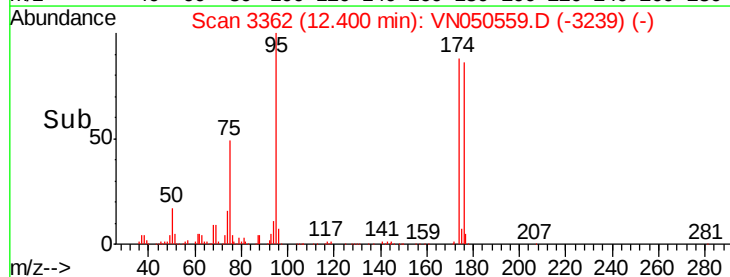
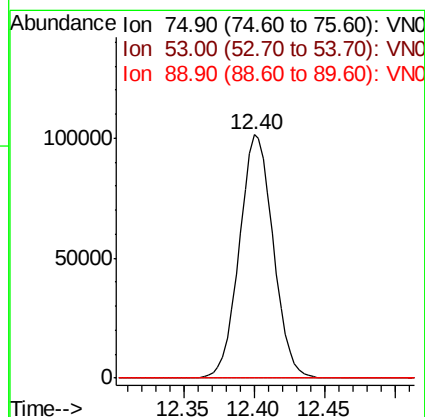
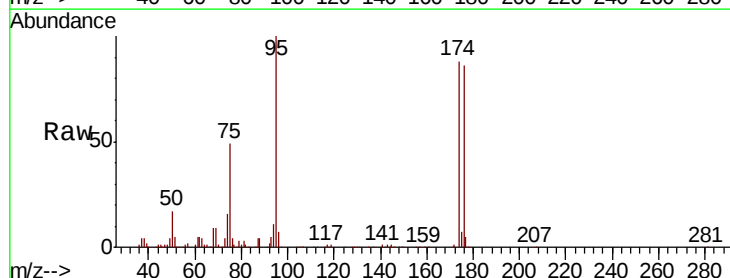
Tgt Ion: 75 Resp: 170818

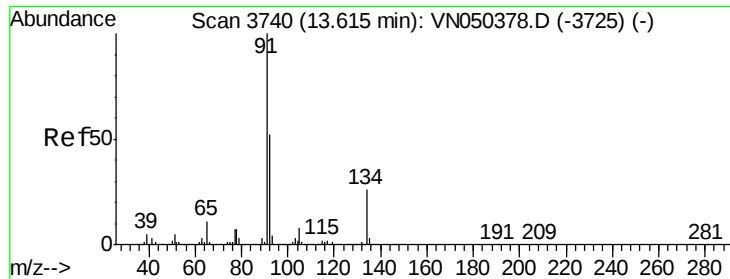
Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

89 0.0 36.0 54.0#

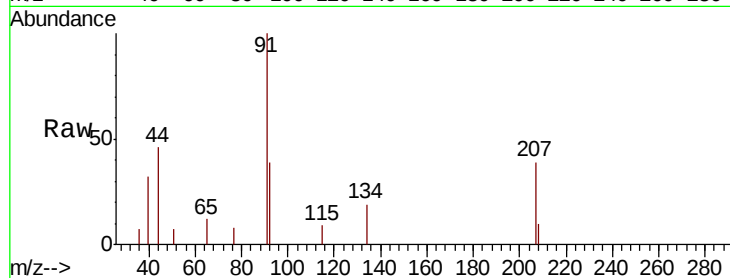




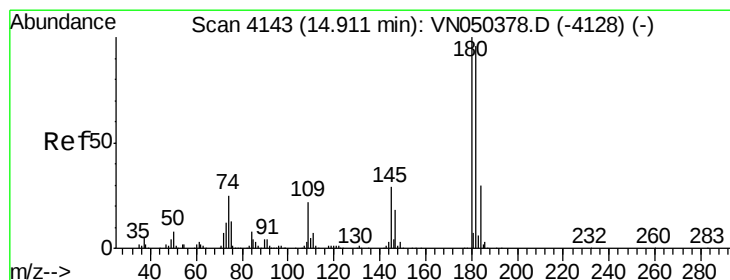
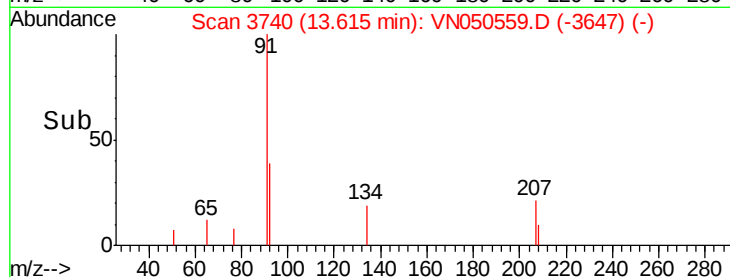
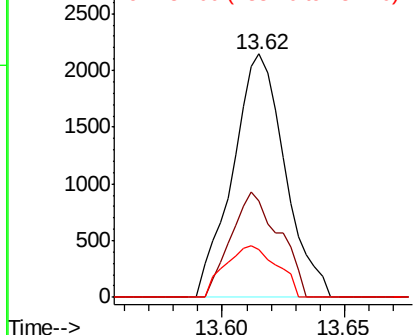
#89
n-Butylbenzene
Concen: 0.22 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050559.D
Acq: 13 Aug 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBL01

Tot Ion	Ratio	Lower	Upper
91	100		
92	40.2	25.8	77.4
134	21.1	12.8	38.4

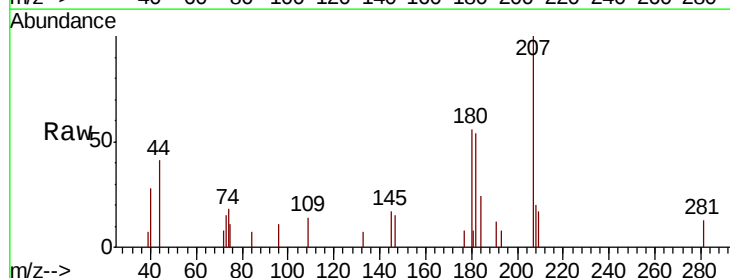


Abundance Ion 91.00 (90.70 to 91.70): VN050378.D (-3725) (-)
Ion 92.00 (91.70 to 92.70): VN050378.D (-3725) (-)
Ion 134.00 (133.70 to 134.70): VN050378.D (-3725) (-)

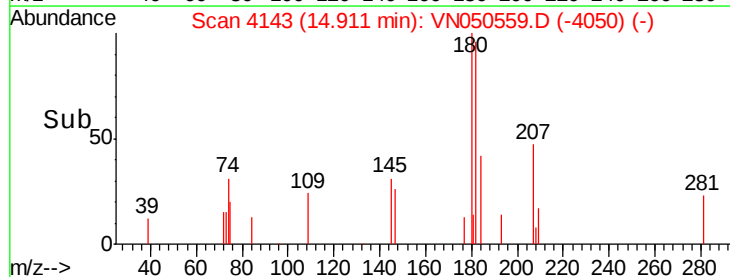
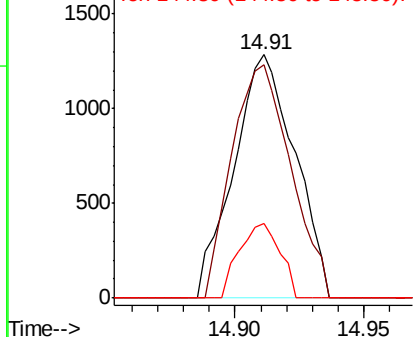


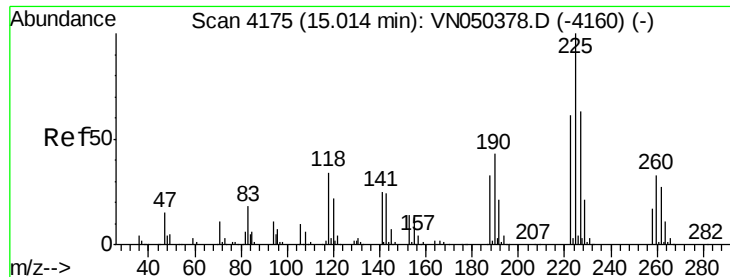
#93
1,2,4-Trichlorobenzene
Concen: 0.42 ug/l
RT: 14.91 min Scan# 4143
Delta R.T. -0.00 min
Lab File: VN050559.D
Acq: 13 Aug 2018 11:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.6	46.7	140.1
145	20.4	13.8	41.4



Abundance Ion 179.80 (179.50 to 180.50): VN050378.D (-4128) (-)
Ion 181.80 (181.50 to 182.50): VN050378.D (-4128) (-)
Ion 144.80 (144.50 to 145.50): VN050378.D (-4128) (-)





#94

Hexachlorobutadiene

Concen: 0.24 ug/l

RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

Lab File: VN050559.D

Acq: 13 Aug 2018 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBL01

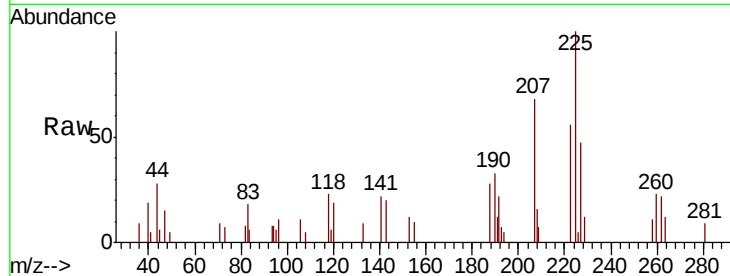
Tot Ion:225 Resp: 5203

Ion Ratio Lower Upper

225 100

223 57.2 31.4 94.2

227 53.8 32.1 96.5

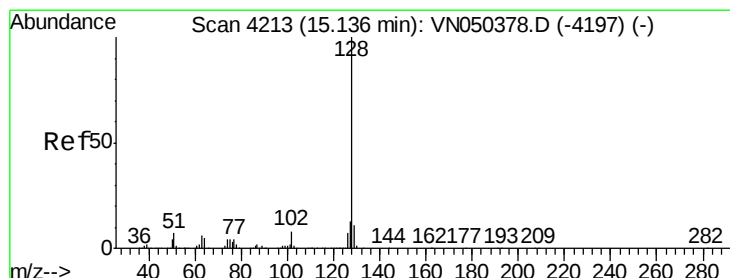
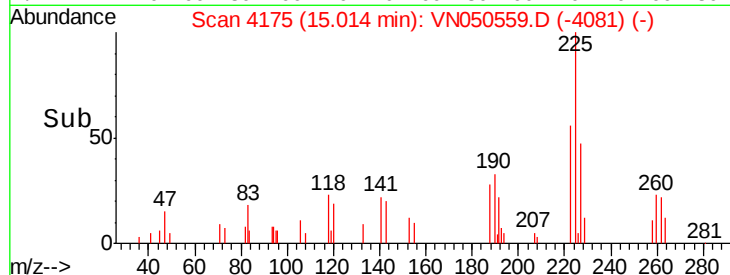
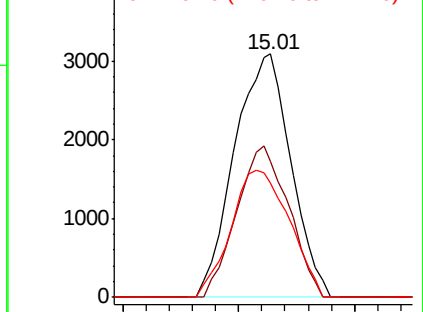


Abundance

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: 4.04 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050559.D

Acq: 13 Aug 2018 11:27

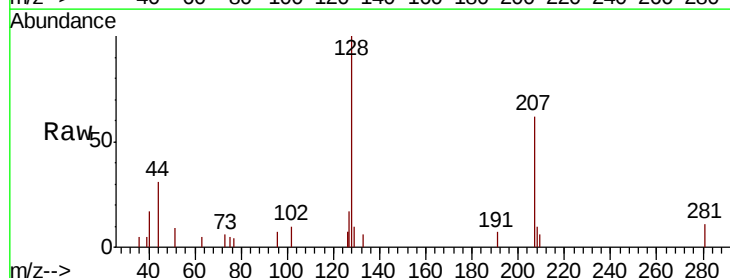
Tgt Ion:128 Resp: 6025

Ion Ratio Lower Upper

128 100

127 13.8 10.4 15.6

129 10.7 8.8 13.2

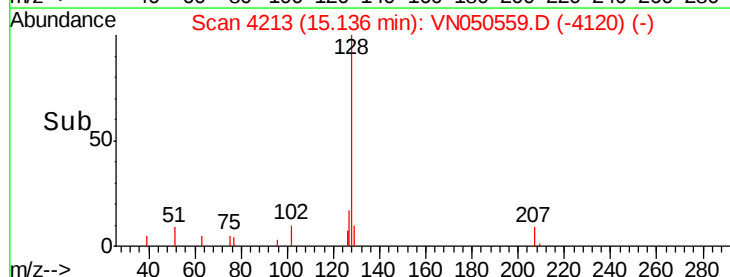
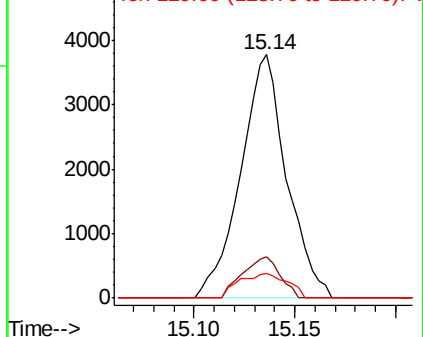


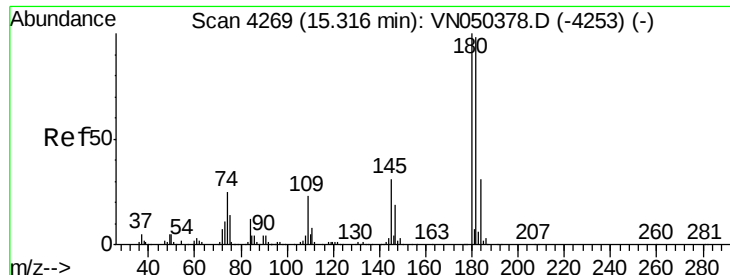
Abundance

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: 0.64 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. 0.00 min
 Lab File: VN050559.D
 Acq: 13 Aug 2018 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.1	48.1	144.4
145	21.8	15.3	45.9

