

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052528.D
 Acq On : 28 Nov 2018 19:01
 Operator : MD\SY
 Sample : J6050-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 DTW-02

Quant Time: Nov 29 00:12:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1382010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2078092	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1768705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	674040	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	675839	44.91	ug/l	0.00
Spiked Amount			Recovery	=	89.82%	
35) Dibromofluoromethane	7.59	113	622351	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
50) Toluene-d8	10.09	98	2496146	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
62) 4-Bromofluorobenzene	12.40	95	775861	46.30	ug/l	0.00
Spiked Amount			Recovery	=	92.60%	

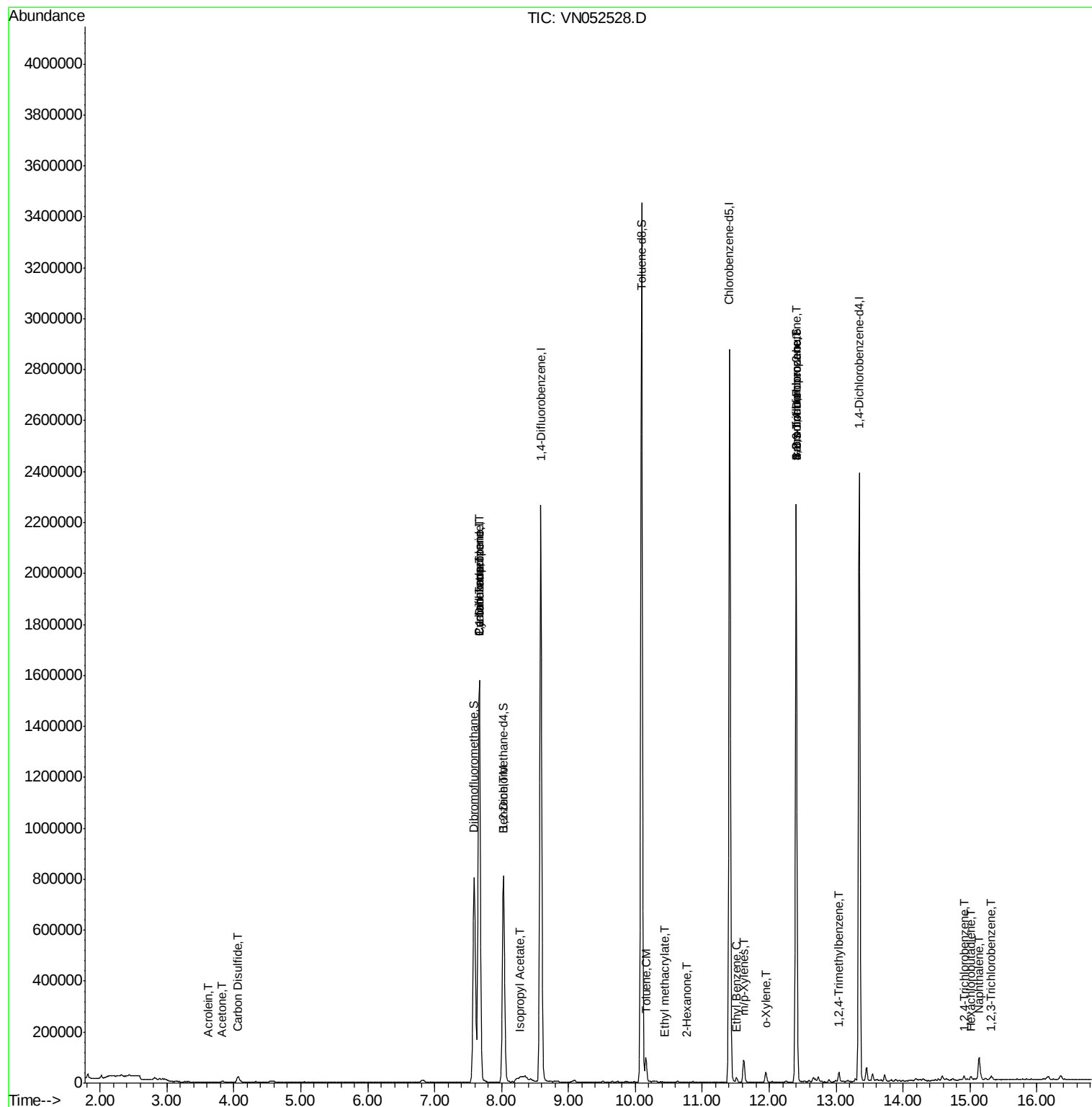
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.62	56	957	34.102	ug/l #	54
16) Acetone	3.83	43	6460	1.628	ug/l #	86
17) Carbon Disulfide	4.07	76	9127	0.224	ug/l #	93
31) Cyclohexane	7.66	56	26071	0.646	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	92638	4.721	ug/l #	50
38) Carbon Tetrachloride	7.66	117	123316	6.942	ug/l #	16
40) Benzene	8.04	78	18400	0.315	ug/l	100
43) Isopropyl Acetate	8.27	43	22891	1.129	ug/l #	51
52) Toluene	10.16	92	39963	1.150	ug/l	96
56) Ethyl methacrylate	10.44	69	117	2.700	ug/l #	1
59) 2-Hexanone	10.76	43	1656	0.217	ug/l #	47
67) Ethyl Benzene	11.51	91	14478	0.227	ug/l	94
68) m/p-Xylenes	11.62	106	29314	1.233	ug/l	99
69) o-Xylene	11.95	106	10621	0.460	ug/l	96
71) Bromoform	12.40	173	4316	0.514	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	372039	35.793	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	372039	119.533	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.04	105	23901	0.565	ug/l	99
93) 1,2,4-Trichlorobenzene	14.91	180	4954	3.220	ug/l	91
94) Hexachlorobutadiene	15.01	225	1883	0.268	ug/l	100
95) Naphthalene	15.14	128	76507	6.237	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	5181	3.172	ug/l	90

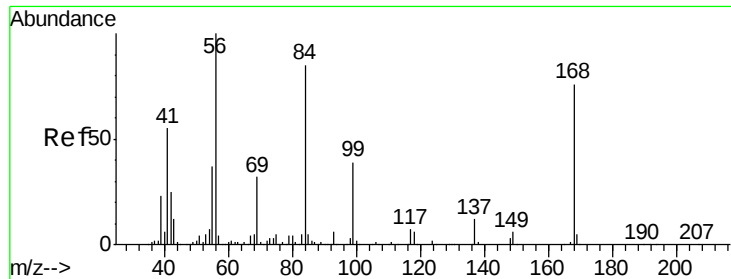
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112818\
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Quant Time: Nov 29 00:12:41 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

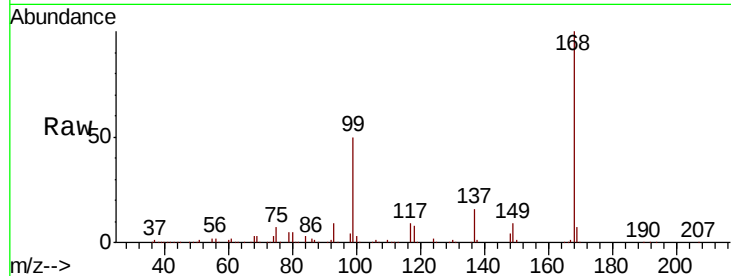




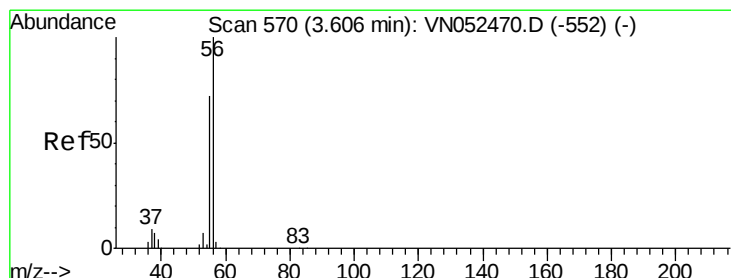
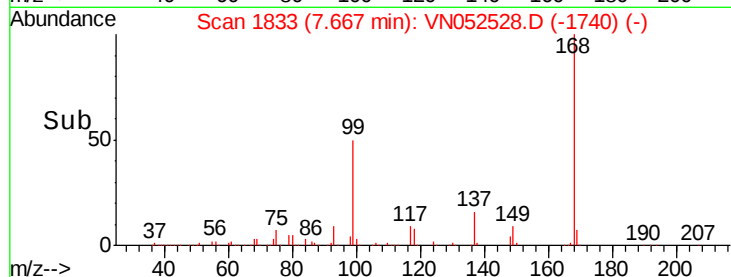
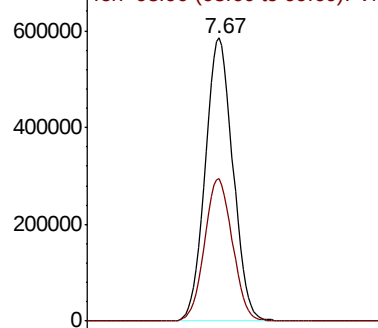
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VN052528.D
Acq: 28 Nov 2018 19:01

Instrument :
MSVOA_N
ClientSampleId :
DTW-02

Tot Ion:168 Resp: 1382010
Ion Ratio Lower Upper
168 100
99 50.3 41.7 62.5

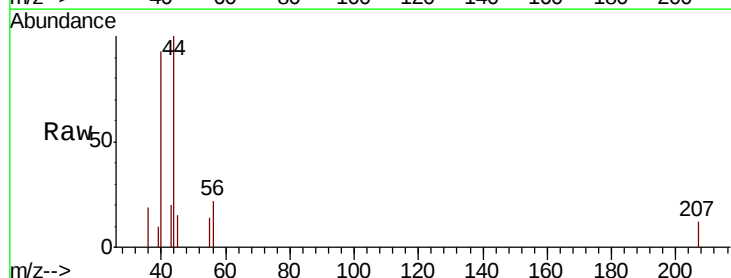


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VN

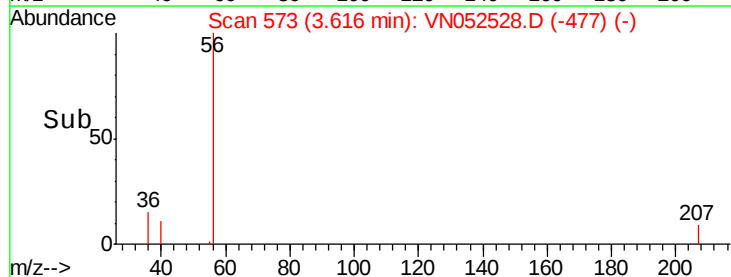
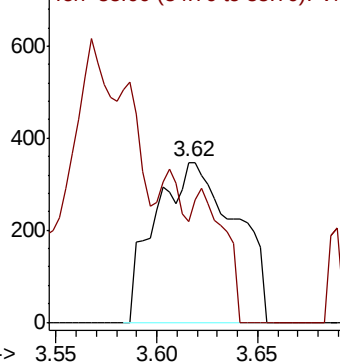


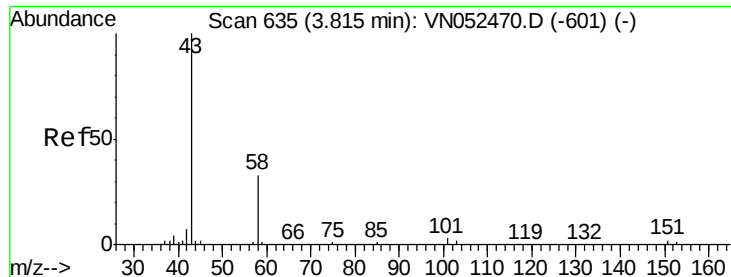
#13
Acrolein
Concen: 34.102 ug/l
RT: 3.62 min Scan# 573
Delta R.T. 0.01 min
Lab File: VN052528.D
Acq: 28 Nov 2018 19:01

Tgt Ion: 56 Resp: 957
Ion Ratio Lower Upper
56 100
55 32.6 56.8 85.2#



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 55.00 (54.70 to 55.70): VN





#16

Acetone

Concen: 1.628 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN052528.D

Acq: 28 Nov 2018 19:01

Instrument :

MSVOA_N

ClientSampled :

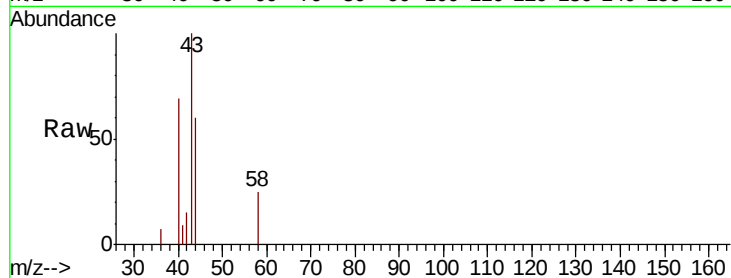
DTW-02

Tot Ion: 43 Resp: 6460

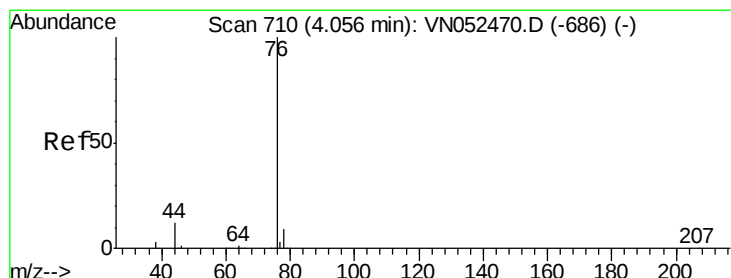
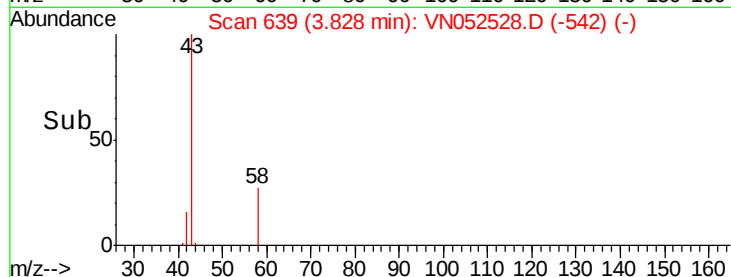
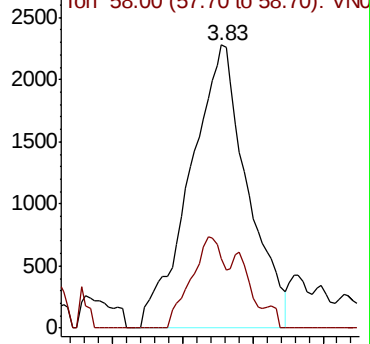
Ion Ratio Lower Upper

43 100

58 24.8 26.0 39.0#



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-601) (-)



#17

Carbon Disulfide

Concen: 0.224 ug/l

RT: 4.07 min Scan# 713

Delta R.T. 0.01 min

Lab File: VN052528.D

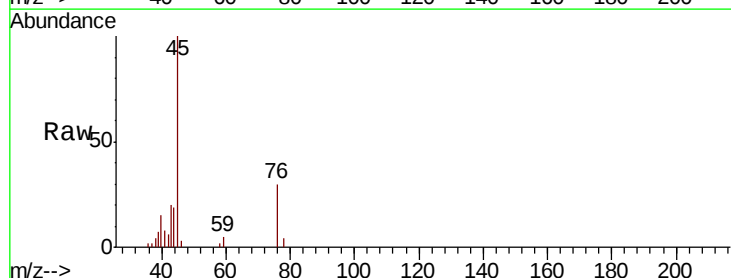
Acq: 28 Nov 2018 19:01

Tgt Ion: 76 Resp: 9127

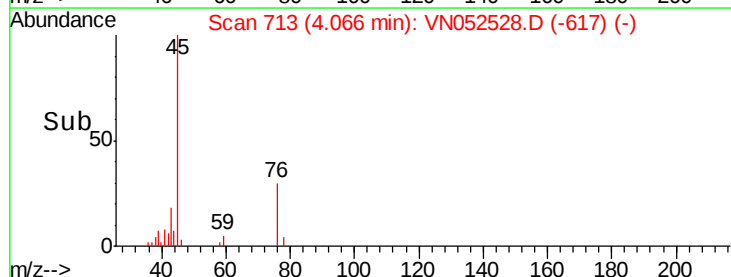
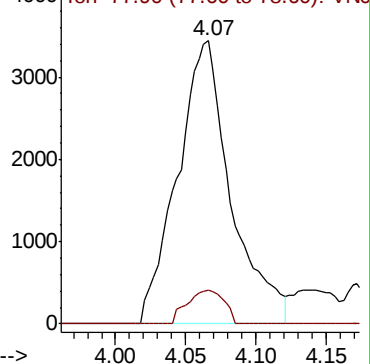
Ion Ratio Lower Upper

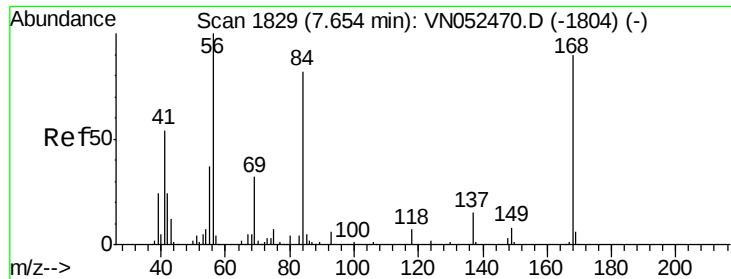
76 100

78 11.7 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN052470.D (-686) (-)





#31

Cyclohexane

Concen: 0.646 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN052528.D

Acq: 28 Nov 2018 19:01

Instrument :

MSVOA_N

ClientSampled :

DTW-02

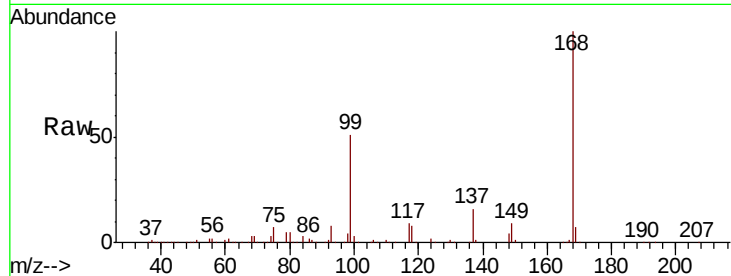
Tot Ion: 56 Resp: 26071

Ion Ratio Lower Upper

56 100

69 192.4 25.8 38.6#

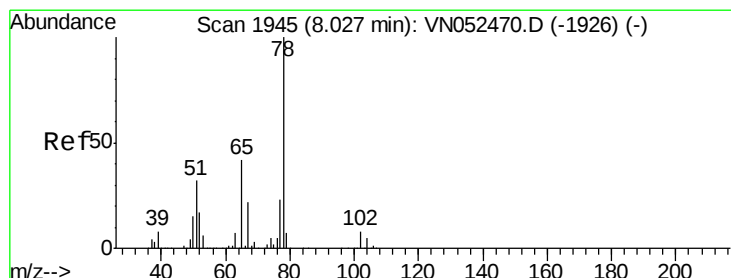
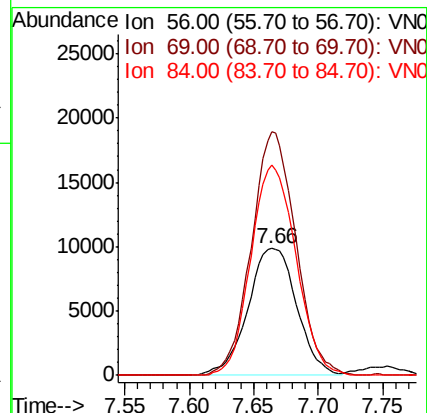
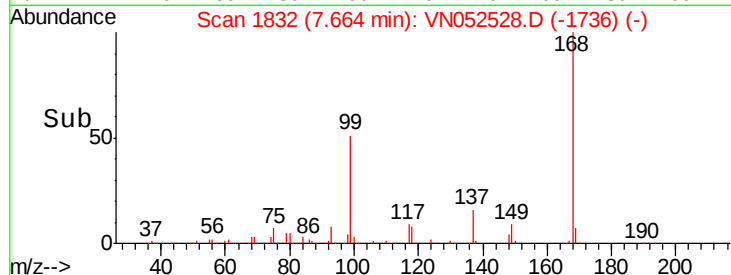
84 165.8 65.3 97.9#



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: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052528.D

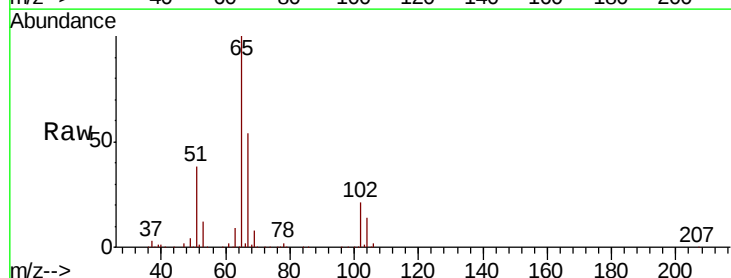
Acq: 28 Nov 2018 19:01

Tgt Ion: 65 Resp: 675839

Ion Ratio Lower Upper

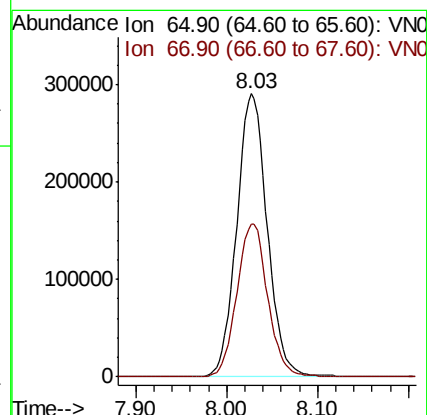
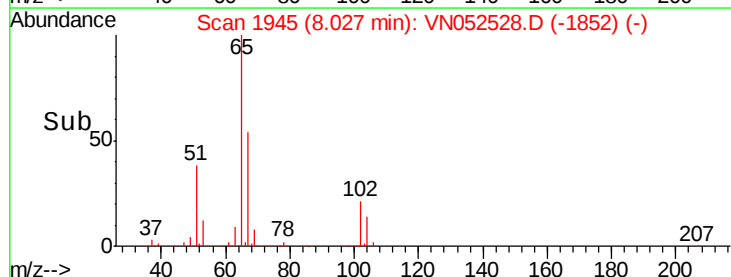
65 100

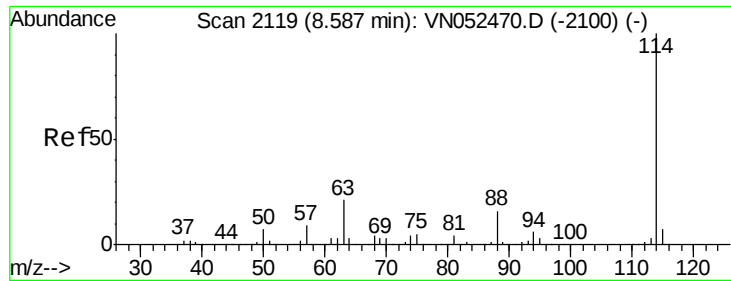
67 54.6 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



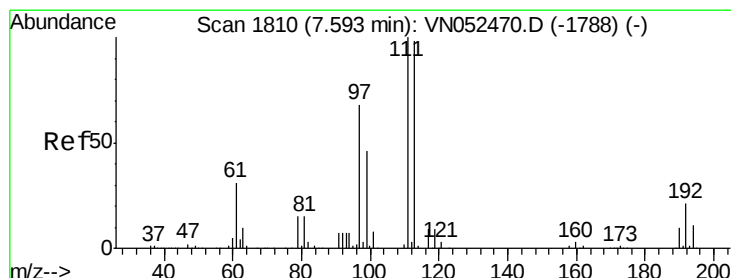
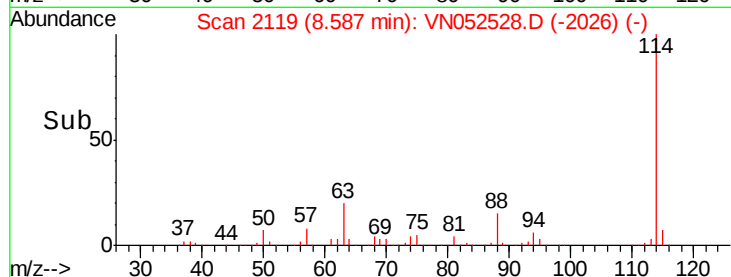
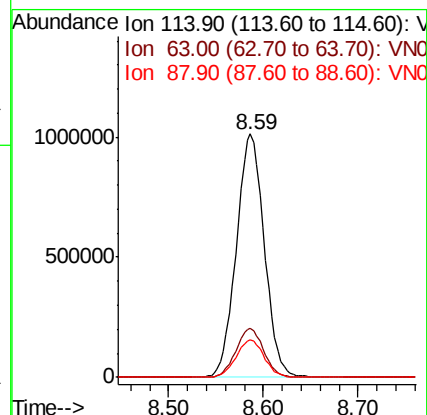
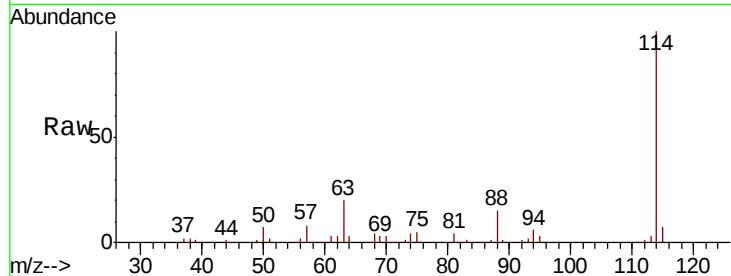


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052528.D
 Acq: 28 Nov 2018 19:01

Instrument :
 MSVOA_N
 ClientSampleId :
 DTW-02

Tot Ion:114 Resp: 2078092

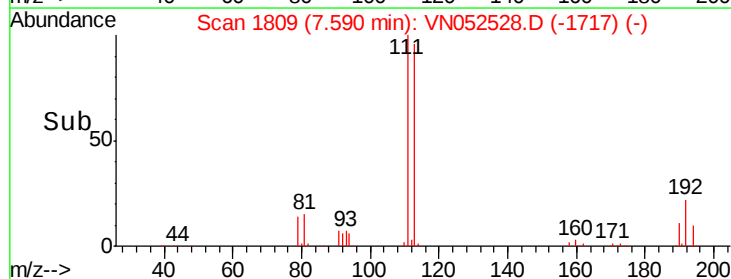
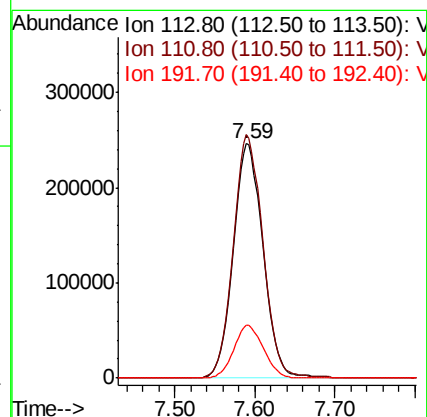
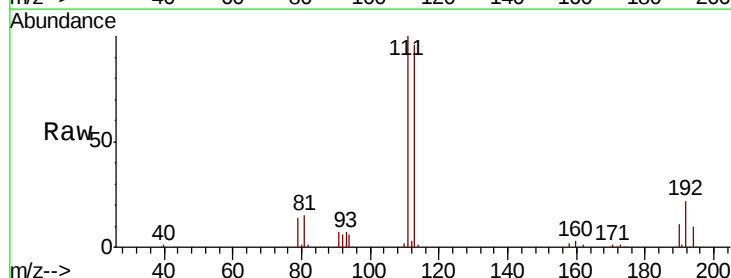
Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	41.8
88	15.5	0.0	31.6

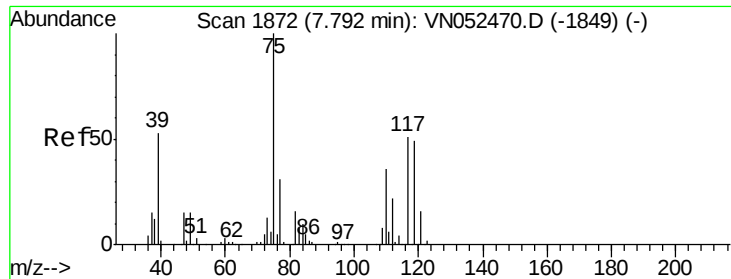


#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052528.D
 Acq: 28 Nov 2018 19:01

Tgt Ion:113 Resp: 622351

Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.0	123.0
192	22.5	17.0	25.6

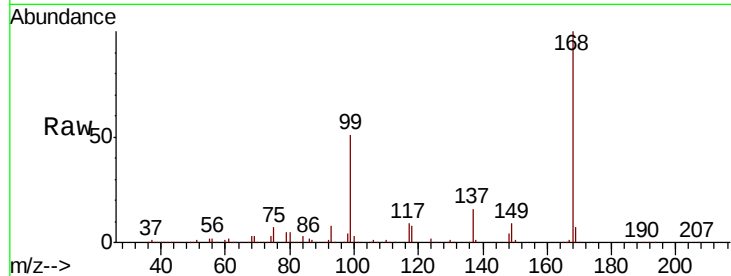




#36
 1,1-Dichloropropene
 Concen: 4.721 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN052528.D
 Acq: 28 Nov 2018 19:01

Instrument :
 MSVOA_N
 ClientSampled :
 DTW-02

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.5	52.6#
77	0.0	24.5	36.7#

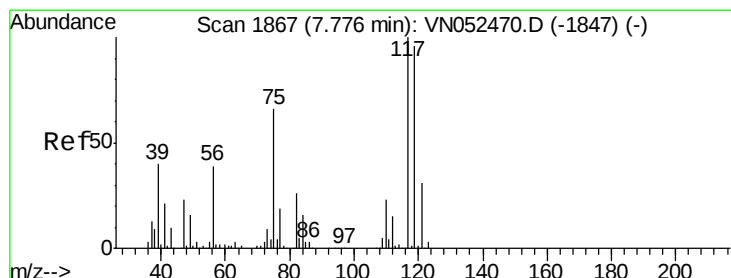
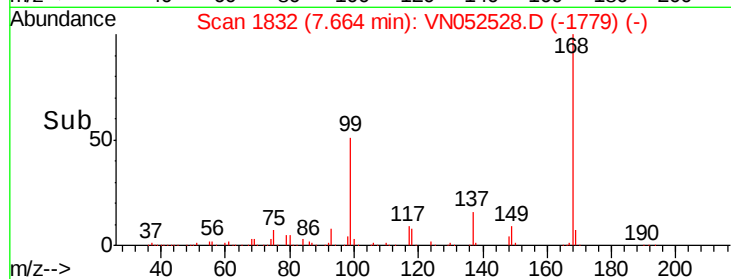
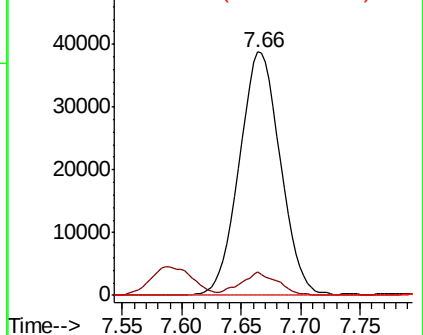


Abundance

Ion 74.90 (74.60 to 75.60): VN052470.D (-1849) (-)

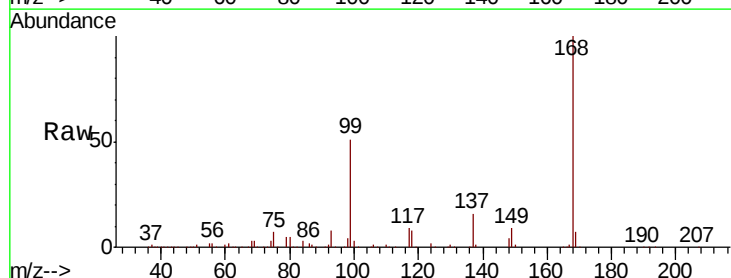
Ion 109.90 (109.60 to 110.60): VN052470.D (-1849) (-)

Ion 76.90 (76.60 to 77.60): VN052470.D (-1849) (-)



#38
 Carbon Tetrachloride
 Concen: 6.942 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN052528.D
 Acq: 28 Nov 2018 19:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	76.8	115.2#
121	0.0	24.9	37.3#

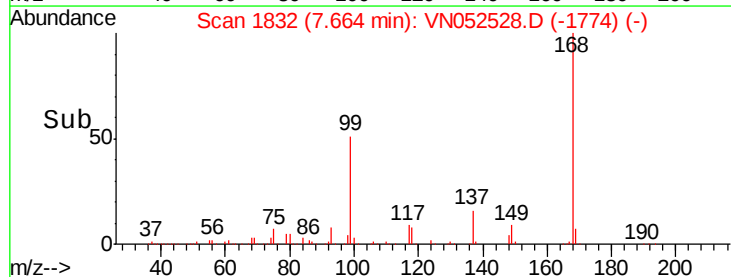
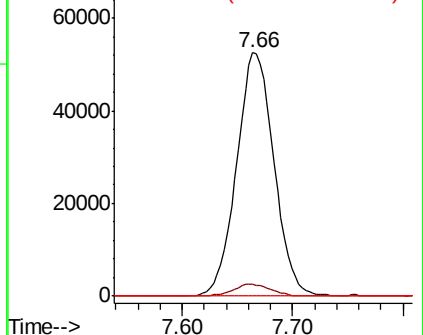


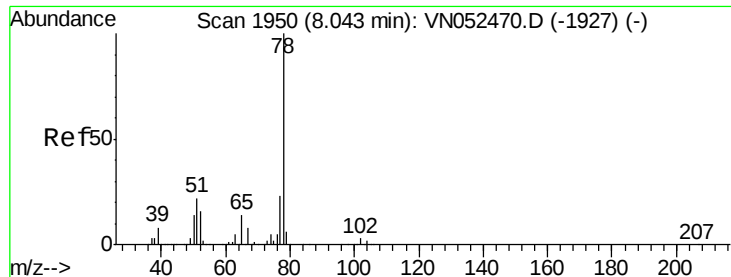
Abundance

Ion 116.80 (116.50 to 117.50): VN052470.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN052470.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN052470.D (-1847) (-)





#40

Benzene

Concen: 0.315 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN052528.D

Acq: 28 Nov 2018 19:01

Instrument :

MSVOA_N

ClientSampleId :

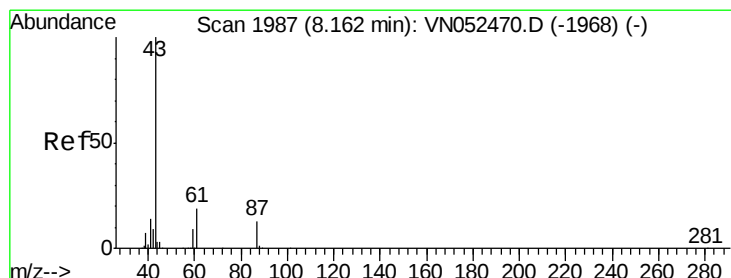
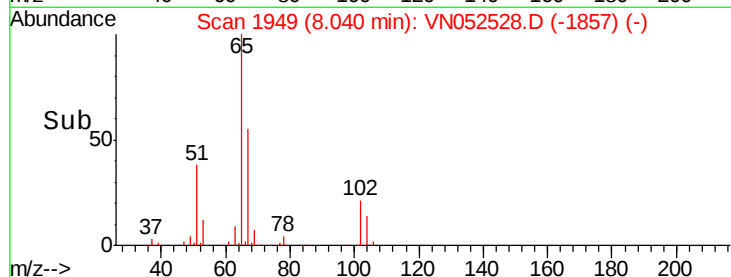
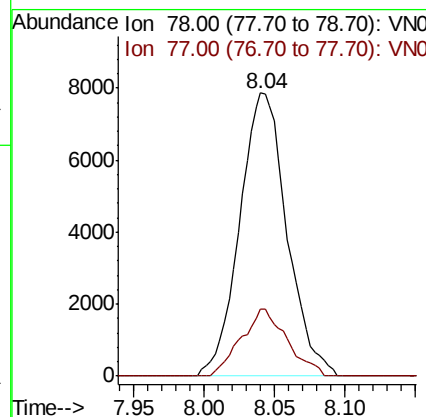
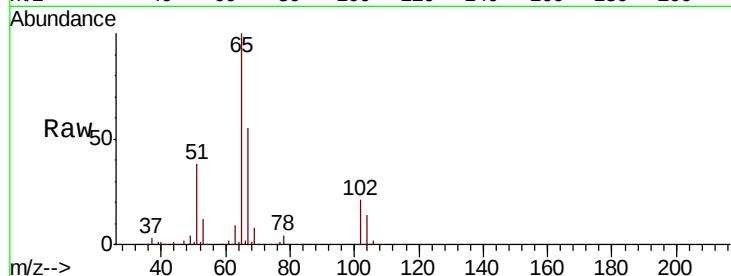
DTW-02

Tot Ion: 78 Resp: 18400

Ion Ratio Lower Upper

78 100

77 23.6 18.8 28.2



#43

Isopropyl Acetate

Concen: 1.129 ug/l

RT: 8.27 min Scan# 2020

Delta R.T. 0.11 min

Lab File: VN052528.D

Acq: 28 Nov 2018 19:01

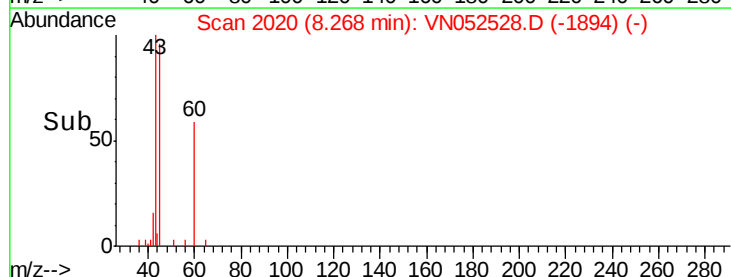
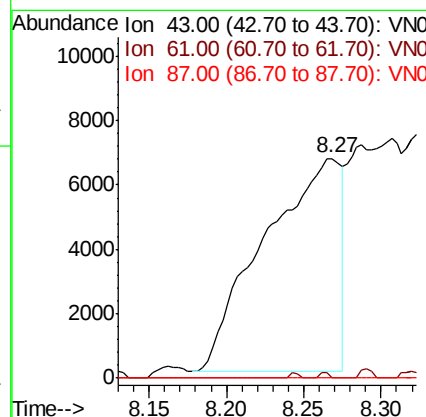
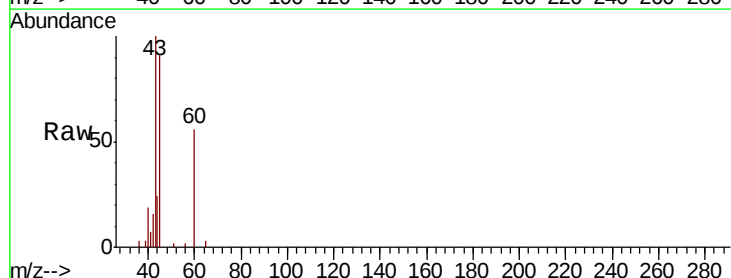
Tgt Ion: 43 Resp: 22891

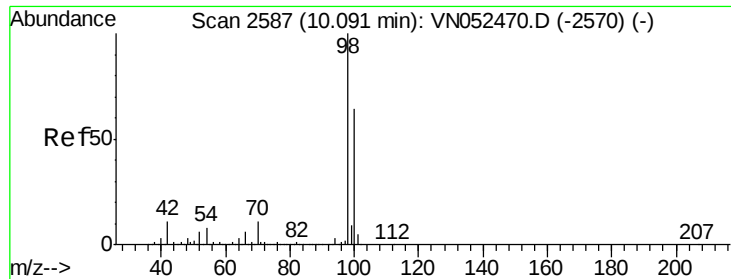
Ion Ratio Lower Upper

43 100

61 0.0 24.1 36.1#

87 0.0 10.6 15.8#

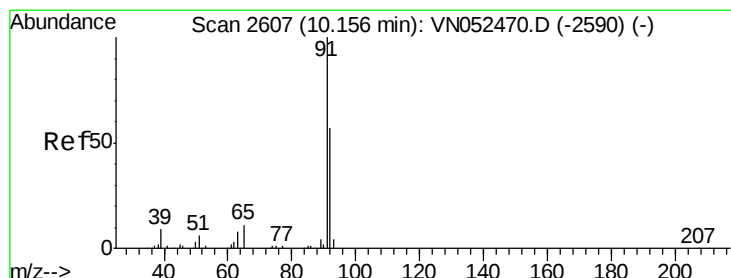
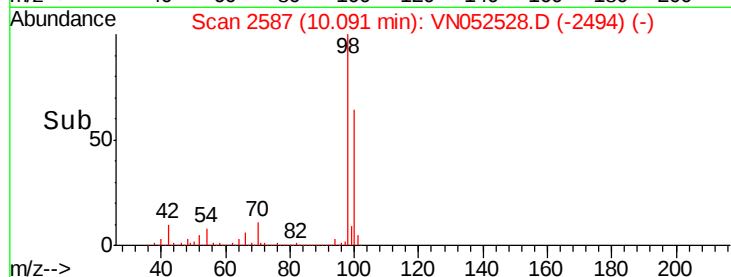
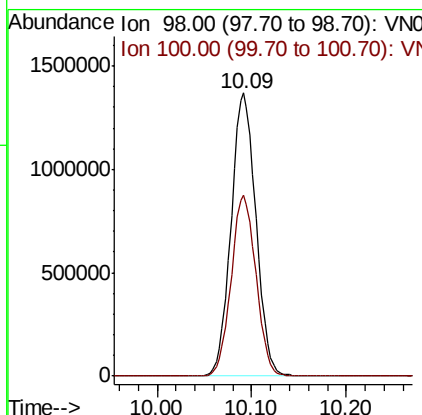
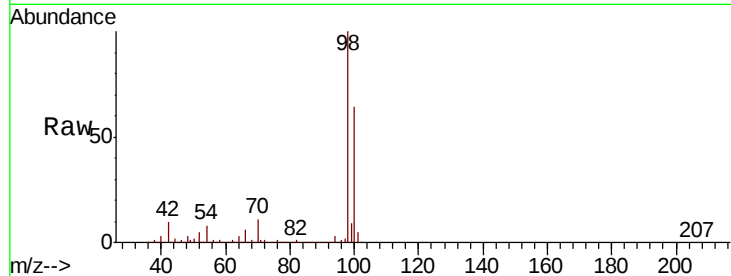




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052528.D
Acq: 28 Nov 2018 19:01

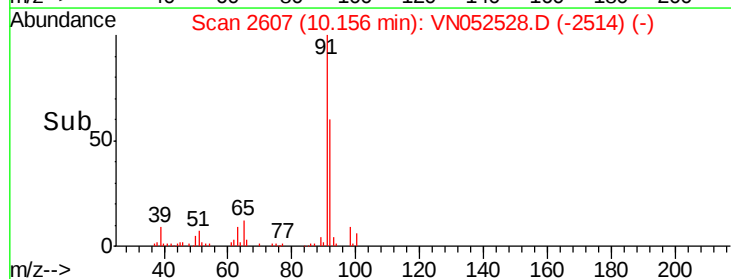
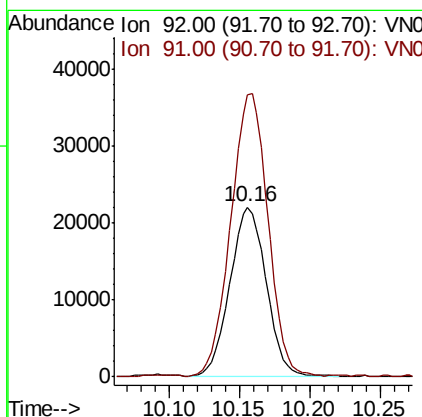
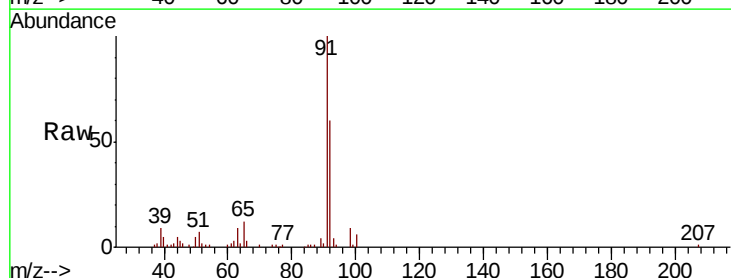
Instrument :
MSVOA_N
ClientSampleId :
DTW-02

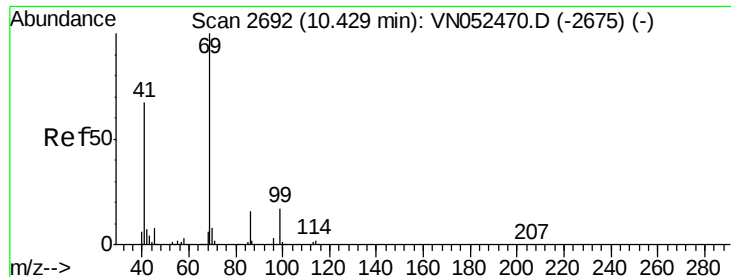
Tot Ion: 98 Resp: 2496146
Ion Ratio Lower Upper
98 100
100 63.8 51.3 76.9



#52
Toluene
Concen: 1.150 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN052528.D
Acq: 28 Nov 2018 19:01

Tgt Ion: 92 Resp: 39963
Ion Ratio Lower Upper
92 100
91 170.4 141.0 211.4





#56

Ethyl methacrylate

Concen: 2.700 ug/l

RT: 10.44 min Scan# 2695

Delta R.T. 0.01 min

Lab File: VN052528.D

Acq: 28 Nov 2018 19:01

Instrument :

MSVOA_N

ClientSampled :

DTW-02

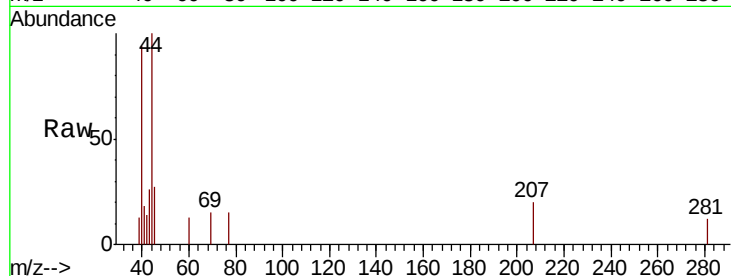
Tot Ion: 69 Resp: 117

Ion Ratio Lower Upper

69 100

41 368.4 52.6 79.0#

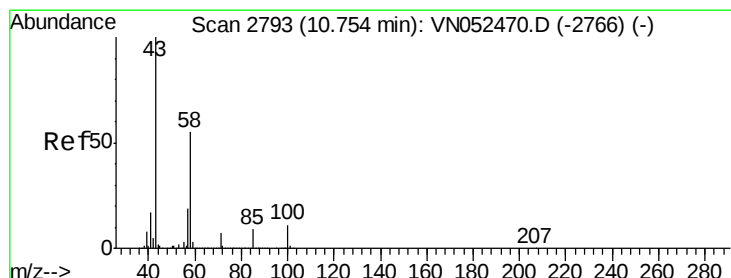
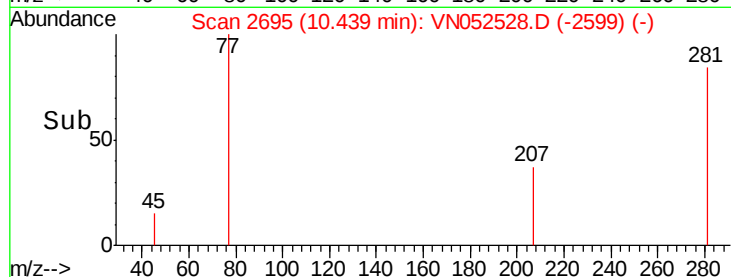
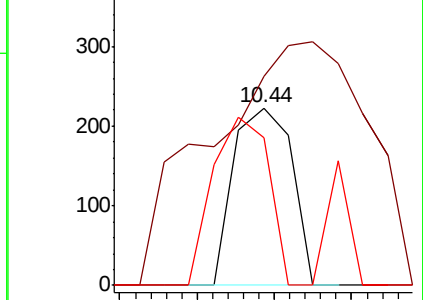
39 0.0 25.9 38.9#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 0.217 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VN052528.D

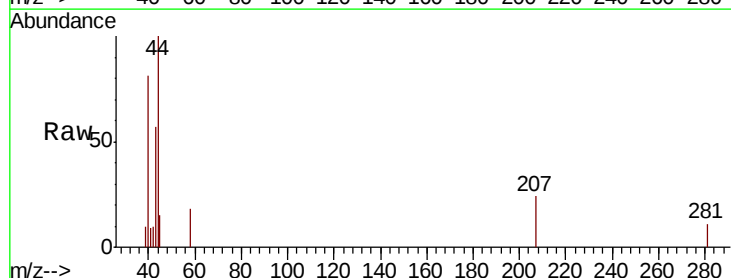
Acq: 28 Nov 2018 19:01

Tgt Ion: 43 Resp: 1656

Ion Ratio Lower Upper

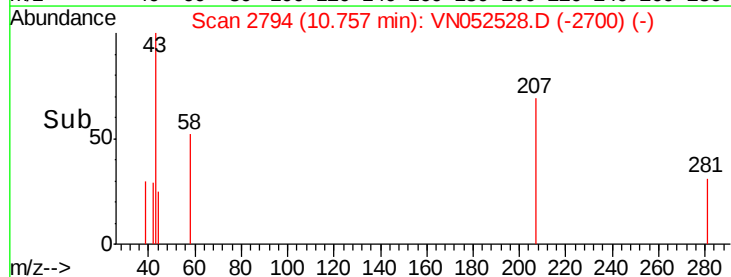
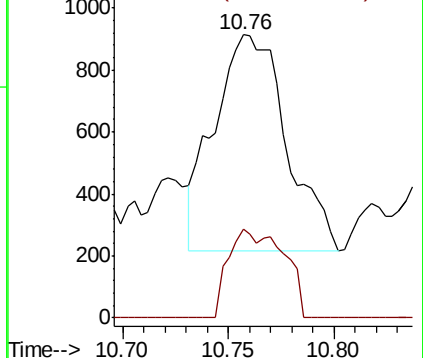
43 100

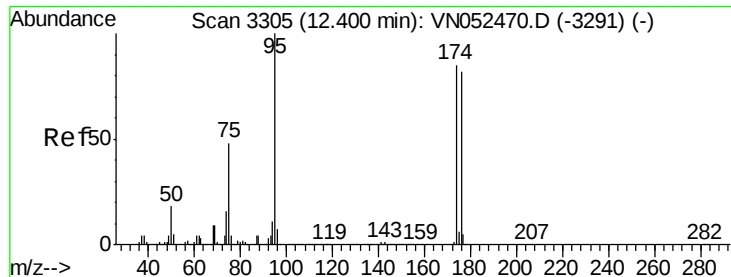
58 16.4 27.4 82.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

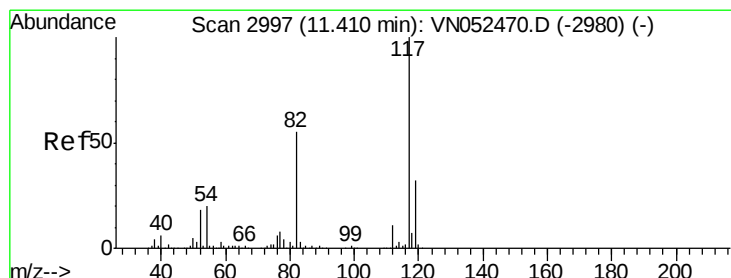
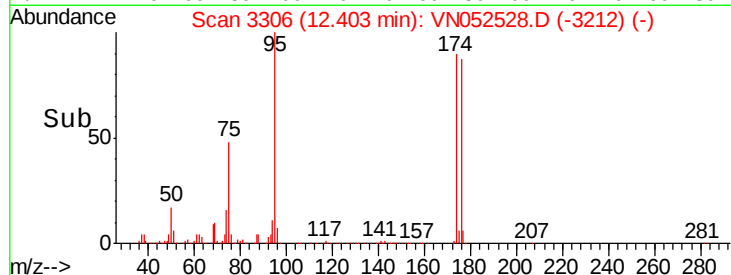
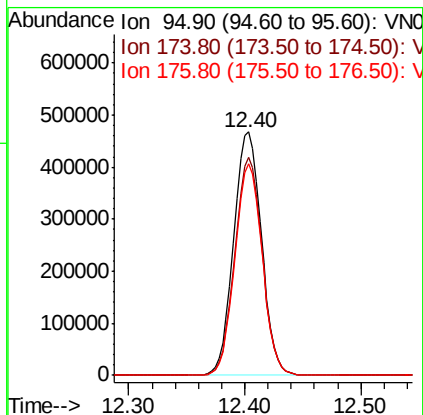
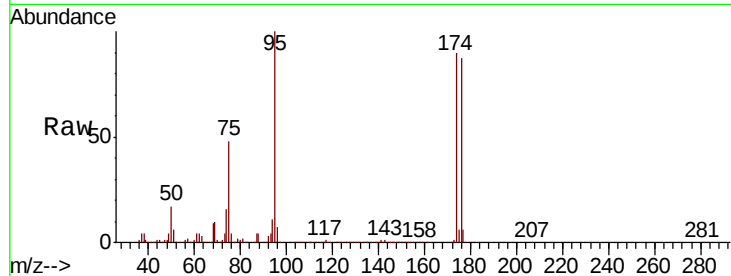




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052528.D
Acq: 28 Nov 2018 19:01

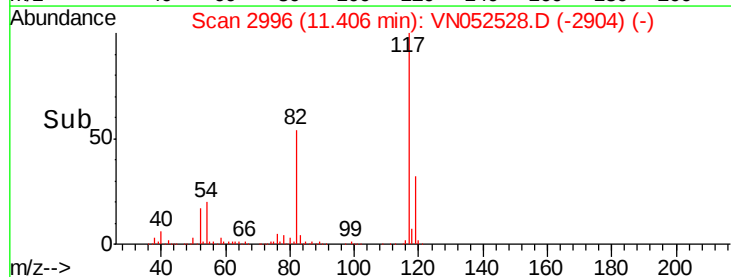
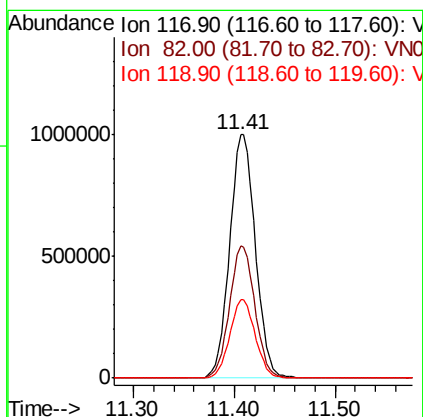
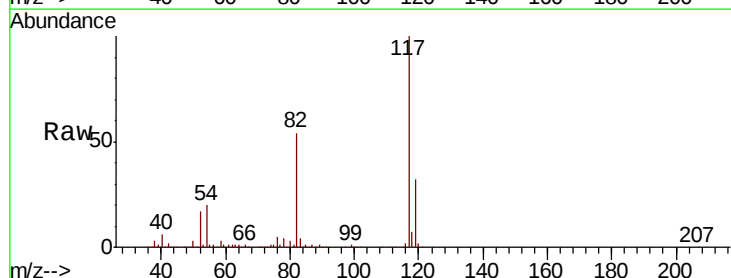
Instrument :
MSVOA_N
ClientSampleId :
DTW-02

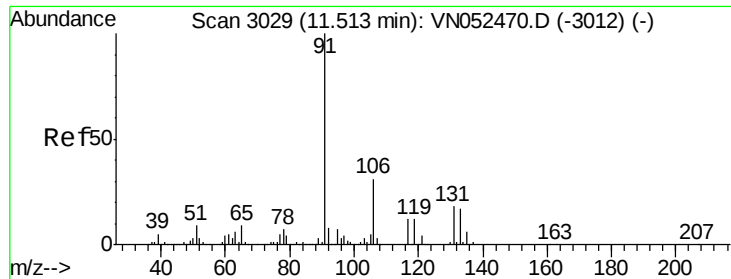
Tot Ion: 95 Resp: 775861
Ion Ratio Lower Upper
95 100
174 88.2 0.0 173.0
176 85.5 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052528.D
Acq: 28 Nov 2018 19:01

Tgt Ion: 117 Resp: 1768705
Ion Ratio Lower Upper
117 100
82 54.5 43.6 65.4
119 32.1 25.4 38.2

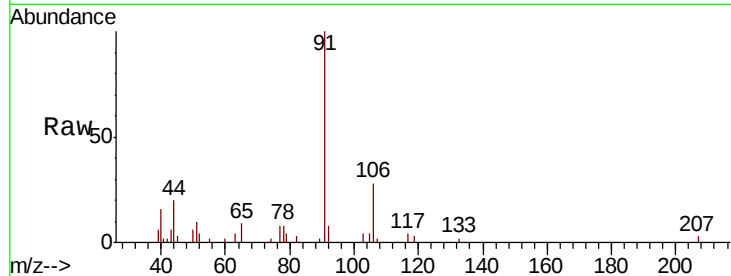




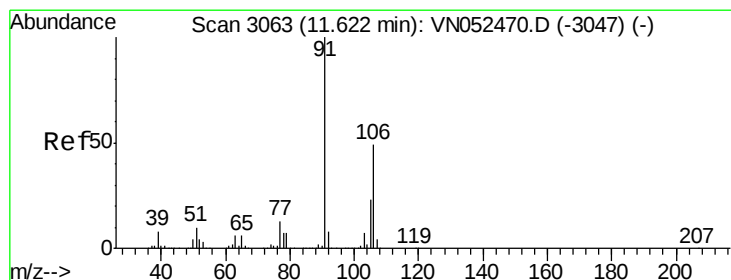
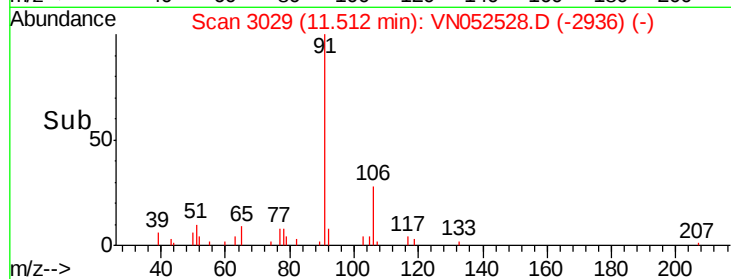
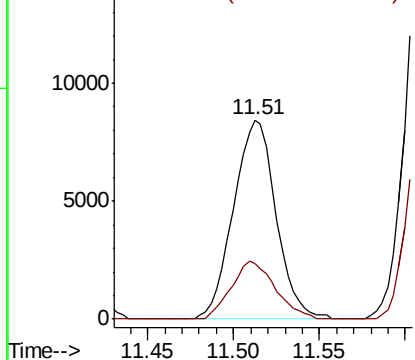
#67
Ethyl Benzene
Concen: 0.227 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052528.D
Acq: 28 Nov 2018 19:01

Instrument :
MSVOA_N
ClientSampled :
DTW-02

Tot Ion: 91 Resp: 14478
Ion Ratio Lower Upper
91 100
106 27.9 24.9 37.3

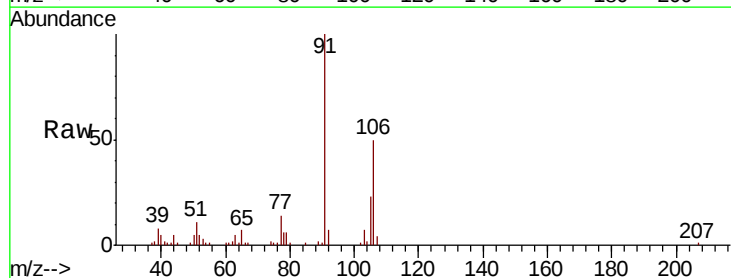


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 106.00 (105.70 to 106.70): V

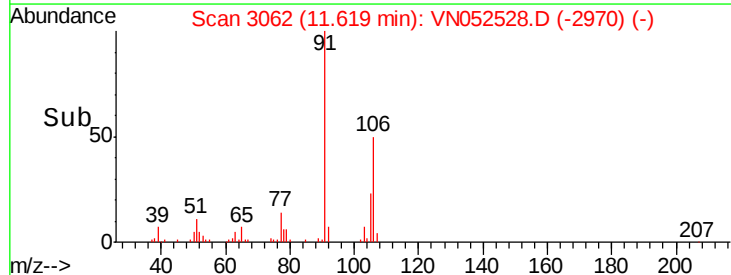
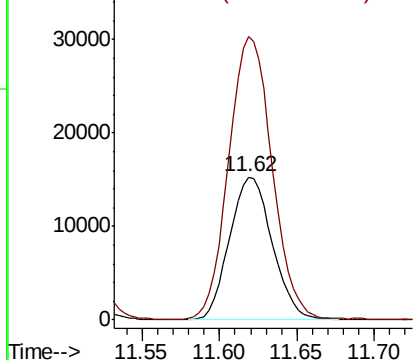


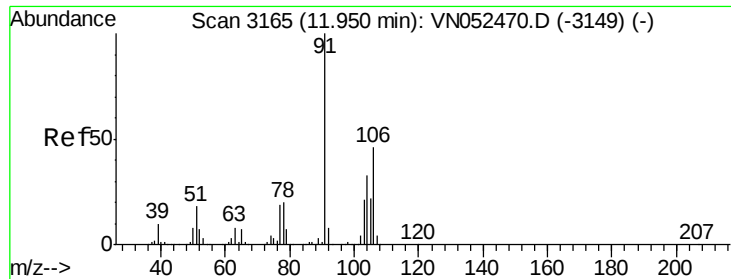
#68
m/p-Xylenes
Concen: 1.233 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052528.D
Acq: 28 Nov 2018 19:01

Tgt Ion: 106 Resp: 29314
Ion Ratio Lower Upper
106 100
91 201.9 163.2 244.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

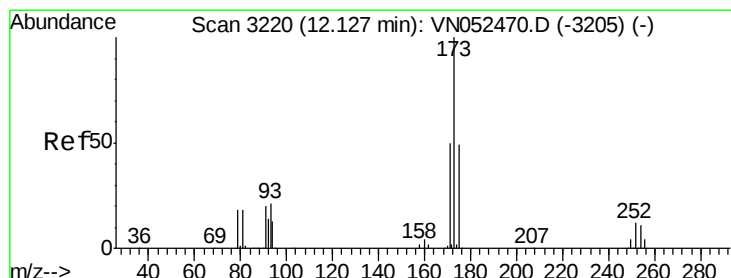
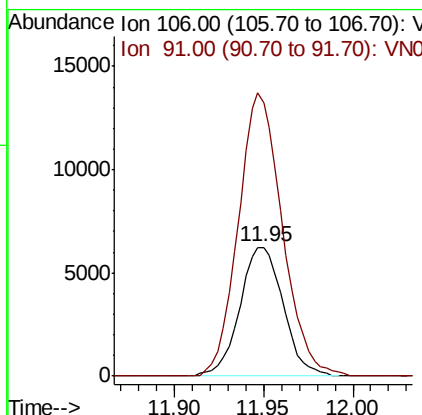
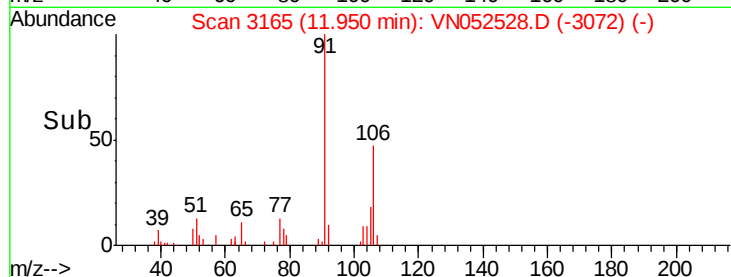
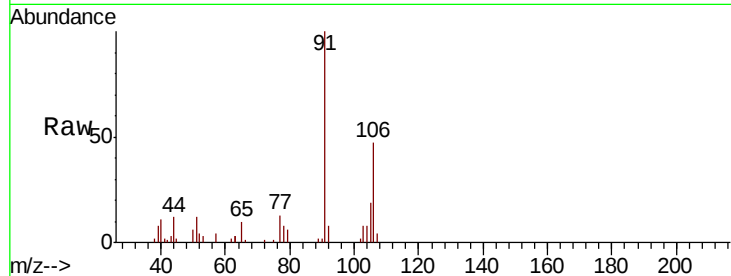




#69
o-Xylene
Concen: 0.460 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN052528.D
Acq: 28 Nov 2018 19:01

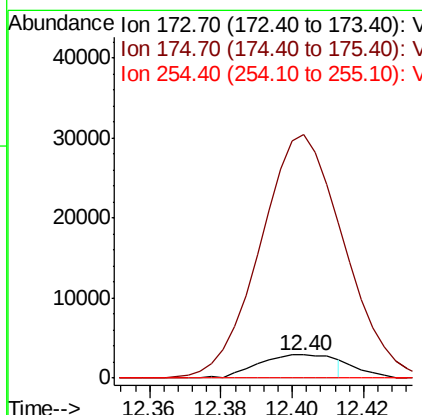
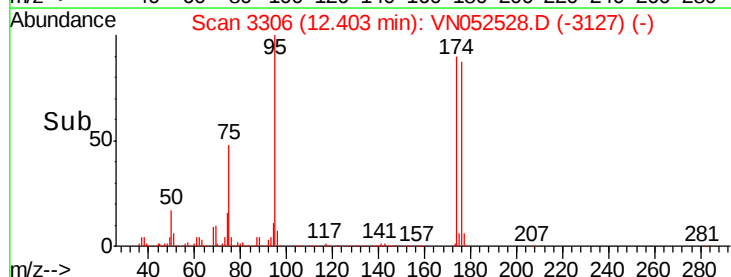
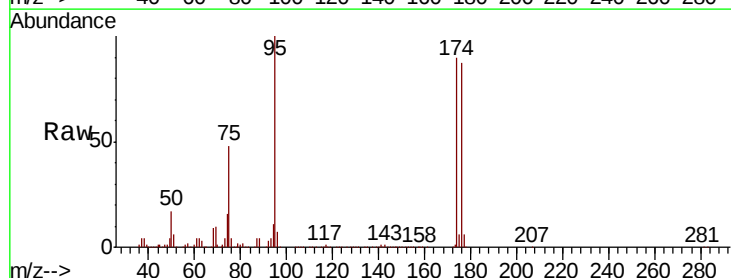
Instrument :
MSVOA_N
ClientSampled :
DTW-02

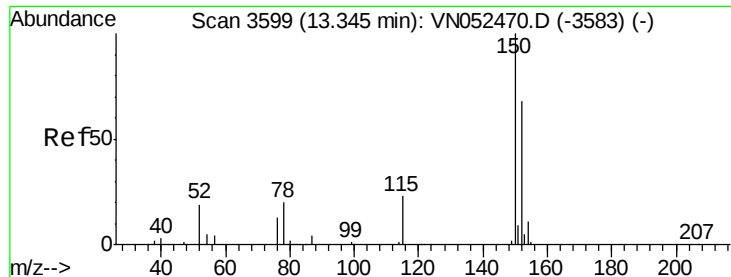
Tot Ion:106 Resp: 10621
Ion Ratio Lower Upper
106 100
91 222.2 107.7 323.1



#71
Bromoform
Concen: 0.514 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052528.D
Acq: 28 Nov 2018 19:01

Tgt Ion:173 Resp: 4316
Ion Ratio Lower Upper
173 100
175 973.2 24.4 73.2#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN052528.D

Acq: 28 Nov 2018 19:01

Instrument :

MSVOA_N

ClientSampleId :

DTW-02

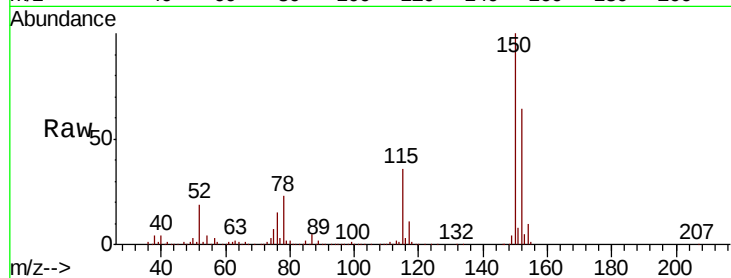
Tot Ion:152 Resp: 674040

Ion Ratio Lower Upper

152 100

115 56.7 28.4 85.2

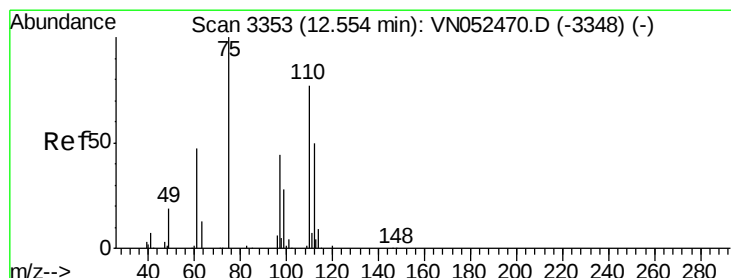
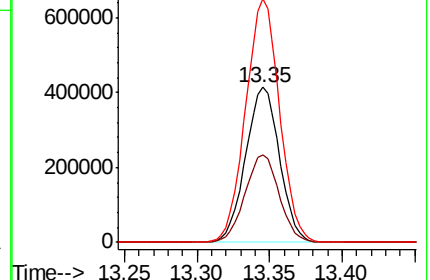
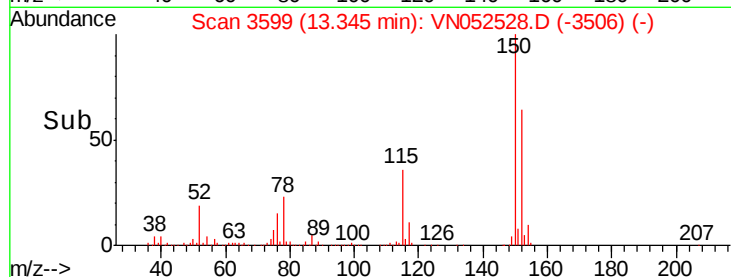
150 157.1 0.0 346.0



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: 35.793 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052528.D

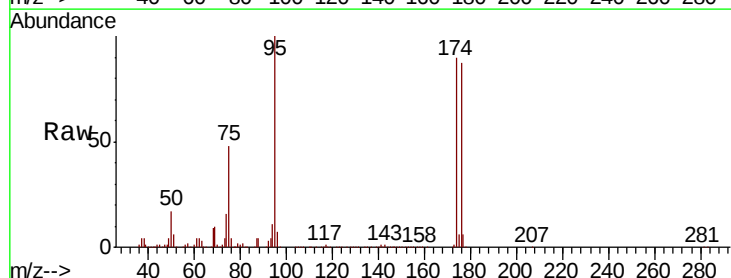
Acq: 28 Nov 2018 19:01

Tgt Ion: 75 Resp: 372039

Ion Ratio Lower Upper

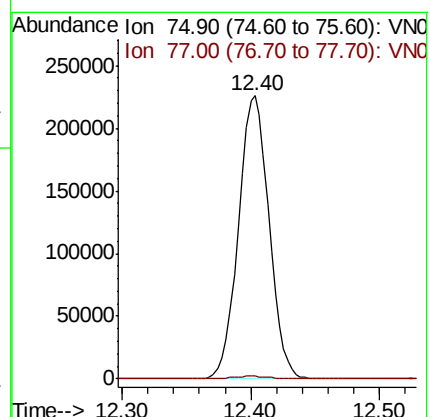
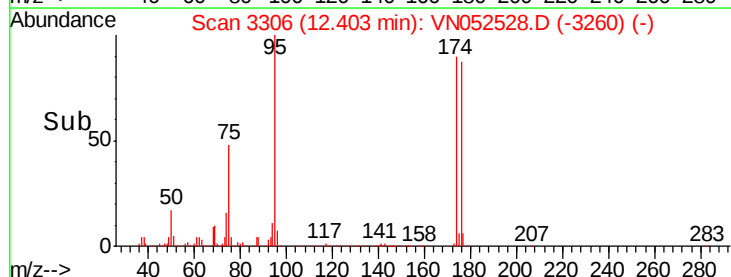
75 100

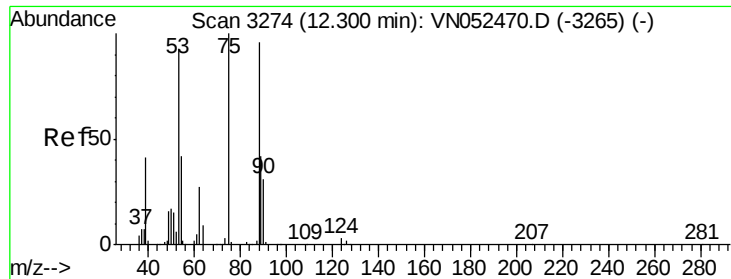
77 1.1 0.0 0.0#



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: 119.533 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052528.D

Acq: 28 Nov 2018 19:01

Instrument :

MSVOA_N

ClientSampleId :

DTW-02

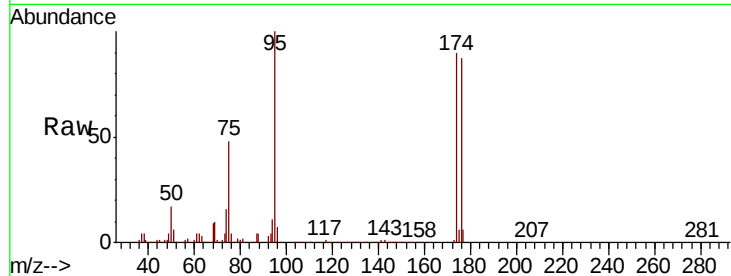
Tot Ion: 75 Resp: 372039

Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

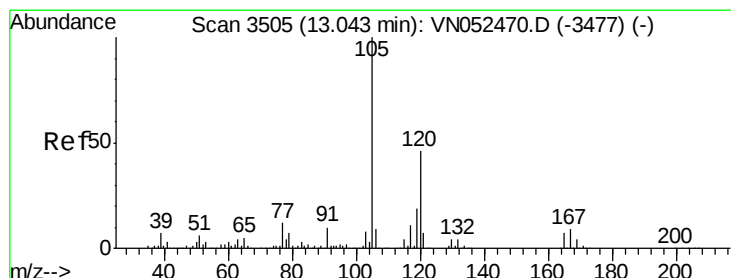
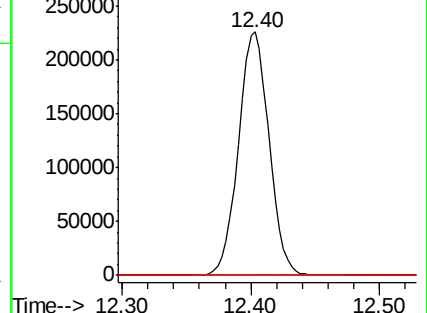
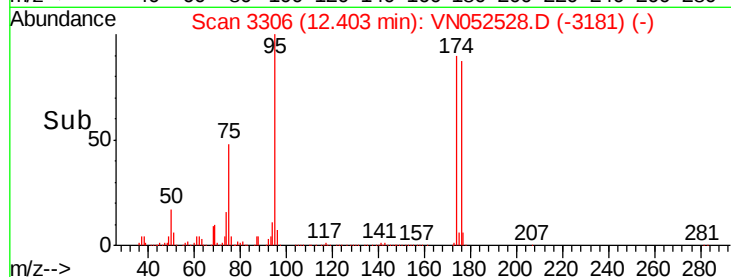
89 0.0 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VN052470.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN052470.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN052470.D (-3265) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.565 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN052528.D

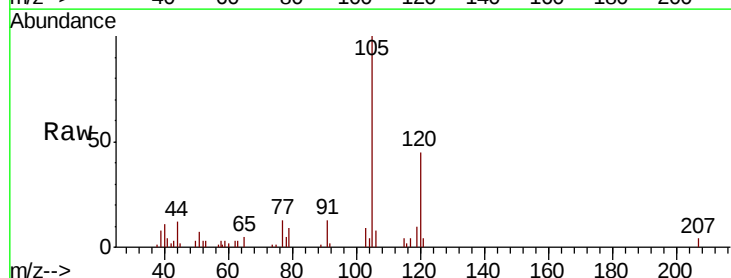
Acq: 28 Nov 2018 19:01

Tgt Ion: 105 Resp: 23901

Ion Ratio Lower Upper

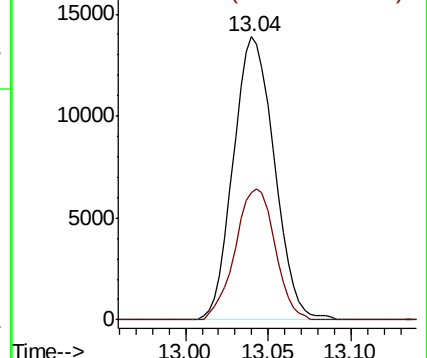
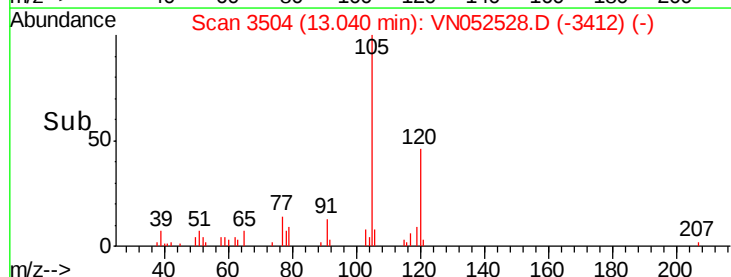
105 100

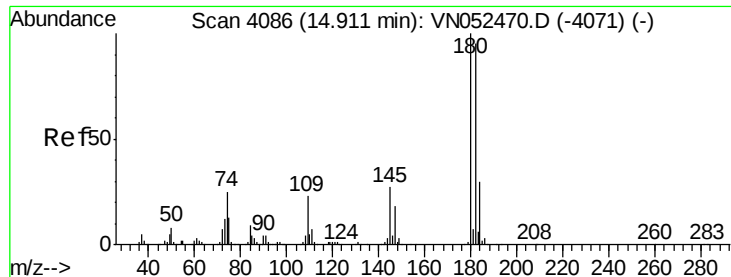
120 44.9 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): VN052470.D (-3477) (-)

Ion 120.00 (119.70 to 120.70): VN052470.D (-3477) (-)

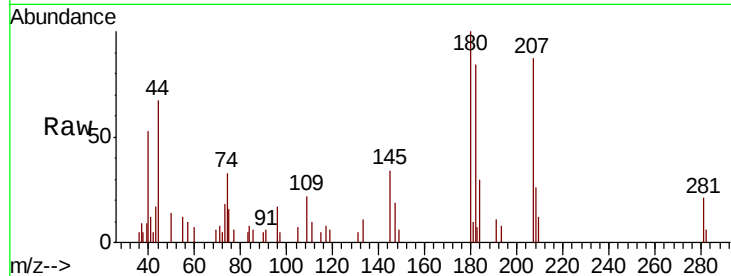




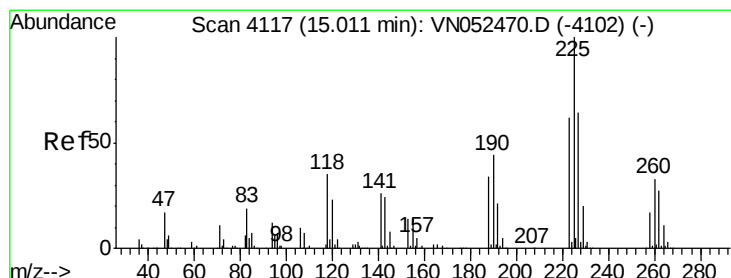
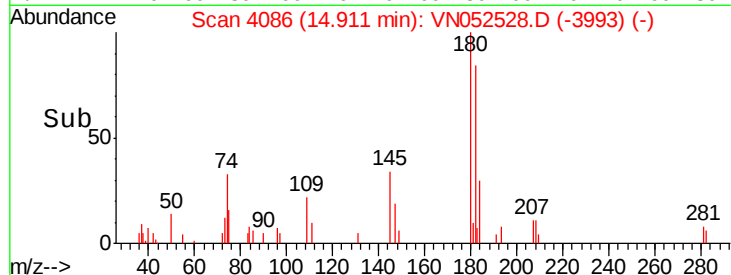
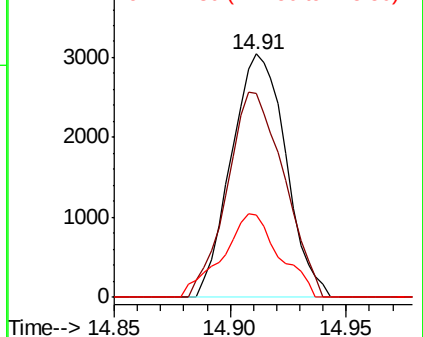
#93
 1,2,4-Trichlorobenzene
 Concen: 3.220 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052528.D
 Acq: 28 Nov 2018 19:01

Instrument :
 MSVOA_N
 ClientSampled :
 DTW-02

Tot Ion:180 Resp: 4954
 Ion Ratio Lower Upper
 180 100
 182 88.1 47.8 143.4
 145 35.8 14.1 42.3

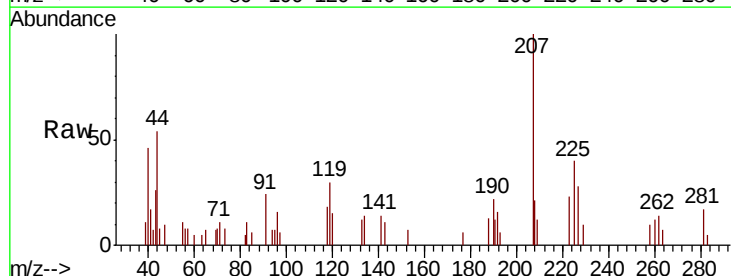


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

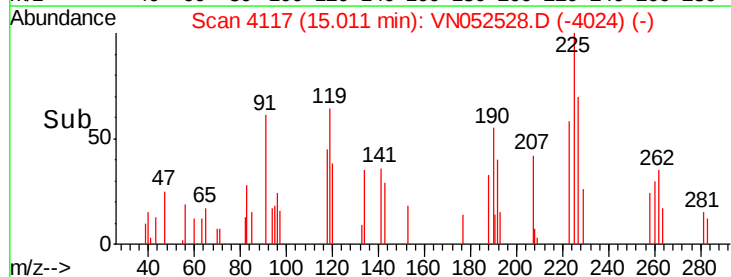
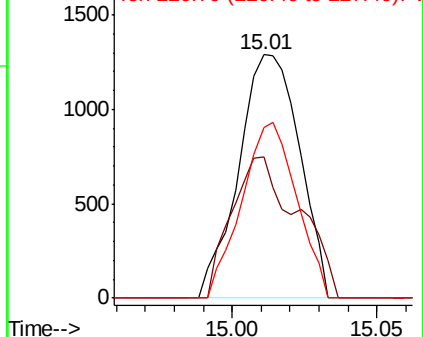


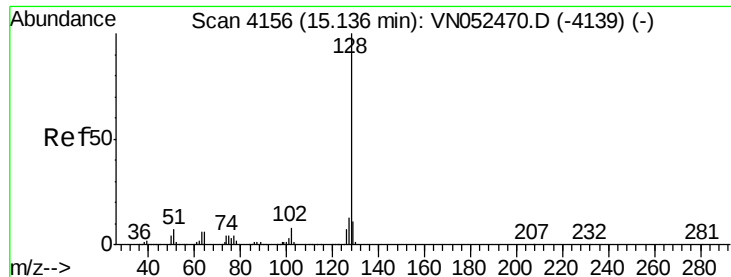
#94
 Hexachlorobutadiene
 Concen: 0.268 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052528.D
 Acq: 28 Nov 2018 19:01

Tgt Ion:225 Resp: 1883
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.4 94.2
 227 65.1 32.5 97.4



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: 6.237 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052528.D

Acq: 28 Nov 2018 19:01

Instrument :

MSVOA_N

ClientSampled :

DTW-02

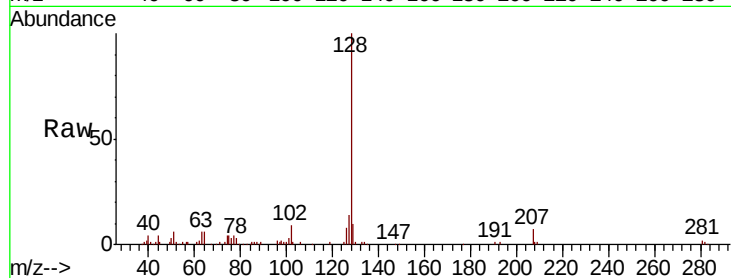
Tot Ion:128 Resp: 76507

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.2

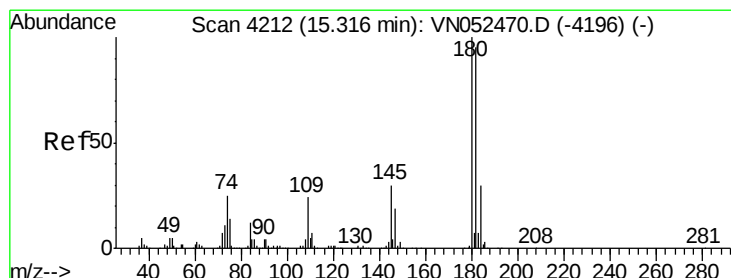
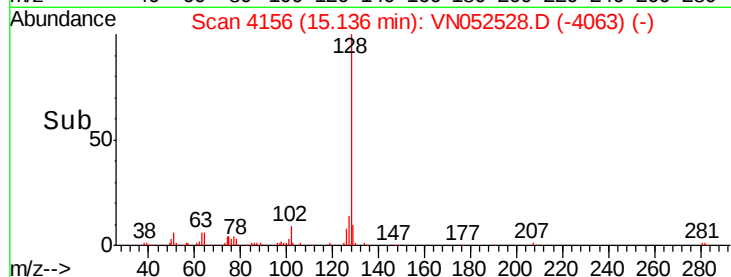
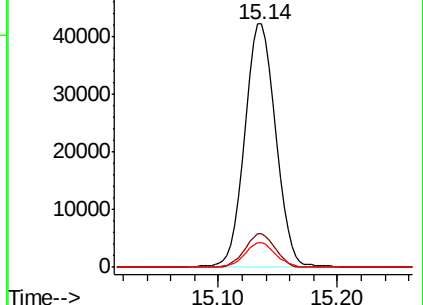
129 10.0 8.7 13.1



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: 3.172 ug/l

RT: 15.32 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN052528.D

Acq: 28 Nov 2018 19:01

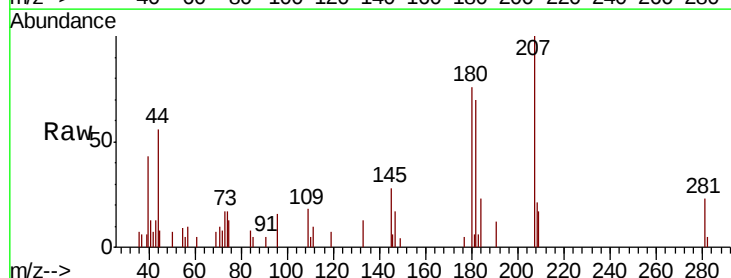
Tgt Ion:180 Resp: 5181

Ion Ratio Lower Upper

180 100

182 91.2 47.8 143.3

145 44.7 15.2 45.5



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

