

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
 Data File : VN051189.D
 Acq On : 14 Sep 2018 14:47
 Operator : MD\SY
 Sample : VN0914WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

Quant Time: Sep 15 08:23:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	562701	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	787737	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	704820	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	323857	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	305104	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
35) Dibromofluoromethane	7.59	113	302740	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
50) Toluene-d8	10.09	98	1111098	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
62) 4-Bromofluorobenzene	12.40	95	345043	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	92190	16.99	ug/l	99
3) Chloromethane	2.06	50	121939	17.05	ug/l	99
4) Vinyl Chloride	2.18	62	125506	16.85	ug/l	99
5) Bromomethane	2.56	94	72380	16.56	ug/l	99
6) Chloroethane	2.70	64	78176	17.00	ug/l	99
7) Trichlorofluoromethane	3.01	101	179454	18.18	ug/l	100
8) Diethyl Ether	3.41	74	62803	17.30	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	115411	18.14	ug/l	99
10) Methyl Iodide	3.95	142	80073	17.57	ug/l	97
11) Tert butyl alcohol	4.79	59	33420	69.87	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	102540	17.08	ug/l	100
13) Acrolein	3.61	56	38571	83.93	ug/l	98
14) Allyl chloride	4.33	41	150663	16.47	ug/l	98
15) Acrylonitrile	4.99	53	175939	83.01	ug/l	99
16) Acetone	3.82	43	126060	77.39	ug/l	99
17) Carbon Disulfide	4.05	76	283003	16.08	ug/l	98
18) Methyl Acetate	4.33	43	90537	18.05	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	266074	16.77	ug/l	98
20) Methylene Chloride	4.55	84	123522	17.86	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	110792	17.02	ug/l	99
22) Diisopropyl ether	5.96	45	339857	18.72	ug/l	97
23) Vinyl Acetate	5.90	43	1030027	83.85	ug/l	100
24) 1,1-Dichloroethane	5.86	63	210811	18.30	ug/l	99
25) 2-Butanone	6.84	43	185620	75.39	ug/l	100
26) 2,2-Dichloropropane	6.83	77	164173	17.42	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	124010	17.36	ug/l	98
28) Bromochloromethane	7.20	49	95201	18.57	ug/l	99
29) Tetrahydrofuran	7.22	42	122071	79.40	ug/l	99
30) Chloroform	7.37	83	214943	18.76	ug/l	99
31) Cyclohexane	7.66	56	175436	16.93	ug/l #	90
32) 1,1,1-Trichloroethane	7.57	97	181063	18.55	ug/l	99
36) 1,1-Dichloropropene	7.80	75	157692	18.23	ug/l	99
37) Ethyl Acetate	6.93	43	86799	17.33	ug/l	98
38) Carbon Tetrachloride	7.78	117	161854	19.01	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
 Data File : VN051189.D
 Acq On : 14 Sep 2018 14:47
 Operator : MD\SY
 Sample : VN0914WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

Quant Time: Sep 15 08:23:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	160110	16.78	ug/l	98
40) Benzene	8.04	78	486082	18.65	ug/l	99
41) Methacrylonitrile	7.17	41	40927	15.84	ug/l #	92
42) 1,2-Dichloroethane	8.13	62	143125	18.84	ug/l	100
43) Isopropyl Acetate	8.17	43	152357	17.24	ug/l #	87
44) Trichloroethene	8.84	130	129645	18.19	ug/l	98
45) 1,2-Dichloropropane	9.12	63	129579	19.24	ug/l	99
46) Dibromomethane	9.21	93	74096	18.03	ug/l	99
47) Bromodichloromethane	9.40	83	159983	19.15	ug/l	98
48) Methyl methacrylate	9.20	41	71765	16.66	ug/l	99
49) 1,4-Dioxane	9.20	88	20420	302.34	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	415730	85.06	ug/l	99
52) Toluene	10.16	92	303702	19.11	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	147321	17.62	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	179784	18.34	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	108930	18.87	ug/l	99
56) Ethyl methacrylate	10.43	69	117022	16.82	ug/l	100
57) 1,3-Dichloropropane	10.71	76	178293	18.63	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	236339	83.38	ug/l	99
59) 2-Hexanone	10.75	43	254840	76.88	ug/l	97
60) Dibromochloromethane	10.90	129	124139	19.08	ug/l	100
61) 1,2-Dibromoethane	11.01	107	101813	18.04	ug/l	99
64) Tetrachloroethene	10.63	164	120912	18.80	ug/l	98
65) Chlorobenzene	11.43	112	325543	18.32	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	125874	19.68	ug/l	99
67) Ethyl Benzene	11.51	91	520620	18.09	ug/l	99
68) m/p-Xylenes	11.62	106	417811	37.79	ug/l	99
69) o-Xylene	11.95	106	200240	18.71	ug/l	99
70) Styrene	11.96	104	310139	18.68	ug/l	98
71) Bromoform	12.13	173	83327	18.50	ug/l #	99
73) Isopropylbenzene	12.25	105	526862	19.40	ug/l	100
74) N-amyl acetate	12.07	43	103925	15.20	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	129478	19.82	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	146005	28.44	ug/l #	100
77) Bromobenzene	12.53	156	135610	18.59	ug/l	99
78) n-propylbenzene	12.59	91	569448	19.08	ug/l	100
79) 2-Chlorotoluene	12.67	91	357030	19.13	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	428760	19.53	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	26455	15.51	ug/l	93
82) 4-Chlorotoluene	12.77	91	343653	18.55	ug/l	100
83) tert-Butylbenzene	12.99	119	372525	19.22	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	424913	19.68	ug/l	100
85) sec-Butylbenzene	13.17	105	480006	19.31	ug/l	100
86) p-Isopropyltoluene	13.29	119	404624	19.19	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	222219	17.96	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	210398	18.52	ug/l	99
89) n-Butylbenzene	13.62	91	279332	17.03	ug/l	97
90) Hexachloroethane	13.88	117	78353	20.05	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	216760	17.97	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16461	18.17	ug/l	91

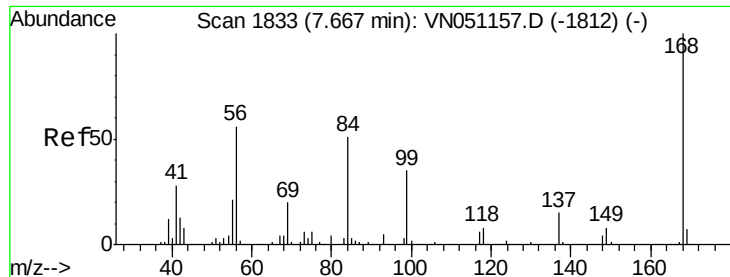
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
Data File : VN051189.D
Acq On : 14 Sep 2018 14:47
Operator : MD\SY
Sample : VN0914WBSD02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

Quant Time: Sep 15 08:23:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	74735	15.78	ug/l	99
94) Hexachlorobutadiene	15.01	225	73317	19.80	ug/l	99
95) Naphthalene	15.13	128	126141	14.59	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	78210	16.17	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

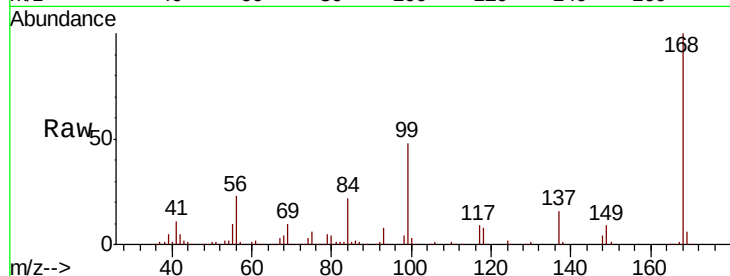
VN0914WBSD02

Tot Ion:168 Resp: 562701

Ion Ratio Lower Upper

168 100

99 47.9 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

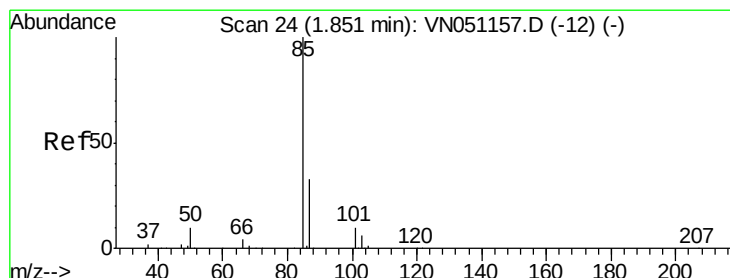
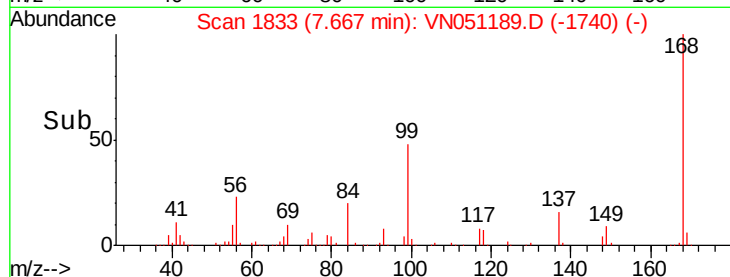
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.99 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051189.D

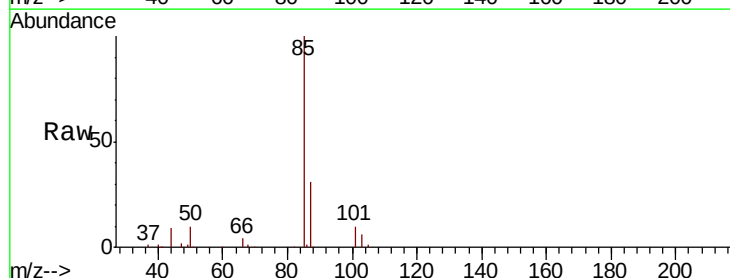
Acq: 14 Sep 2018 14:47

Tgt Ion: 85 Resp: 92190

Ion Ratio Lower Upper

85 100

87 31.1 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

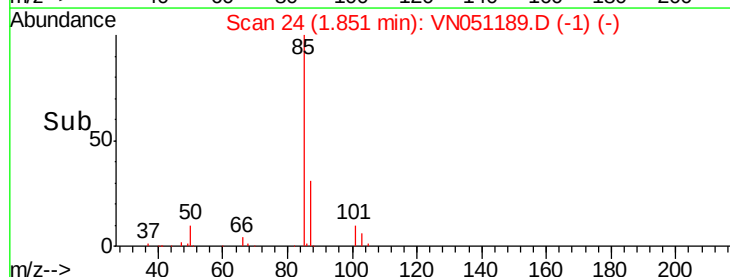
40000

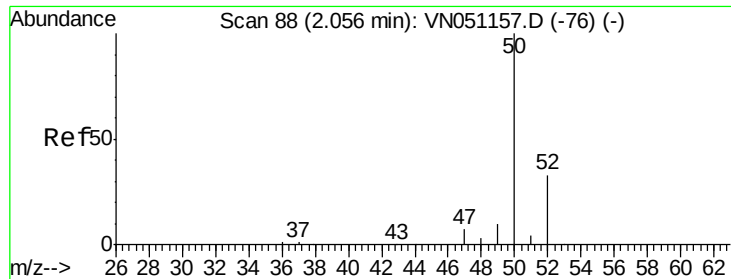
20000

0

1.80 1.85 1.90

Time-->

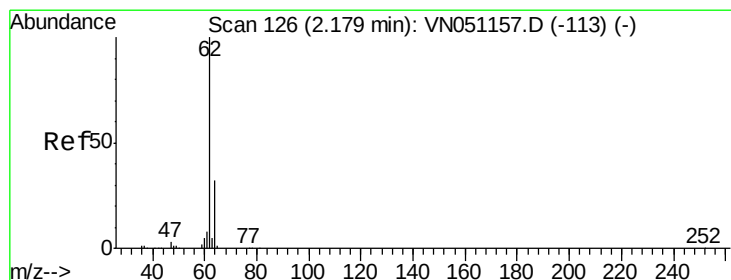
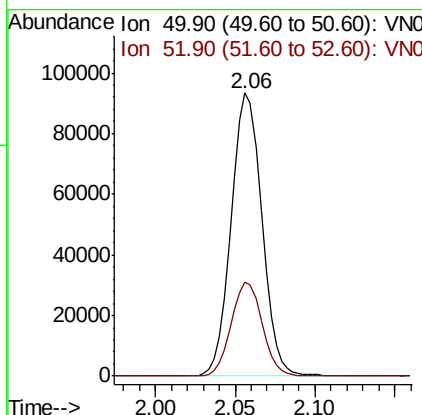
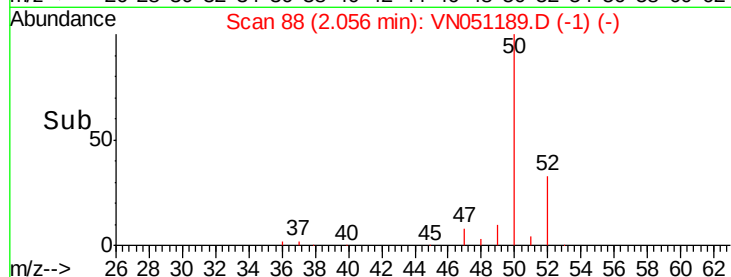
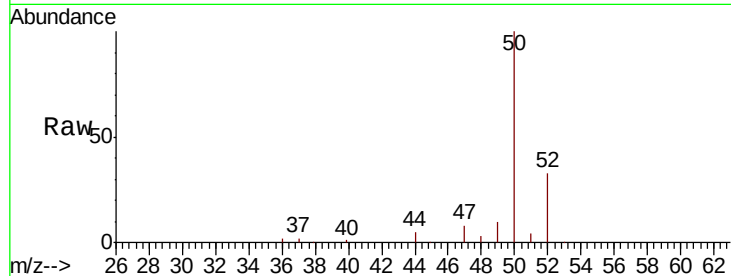




#3
 Chloromethane
 Concen: 17.05 ug/l
 RT: 2.06 min Scan# 88
 Delta R.T. 0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

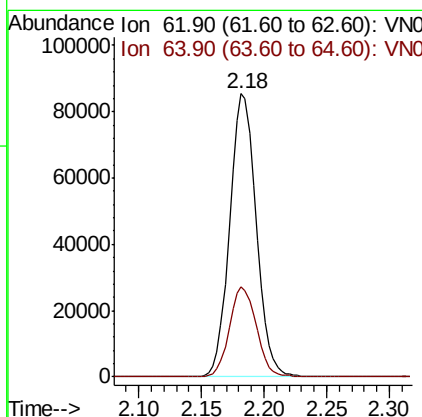
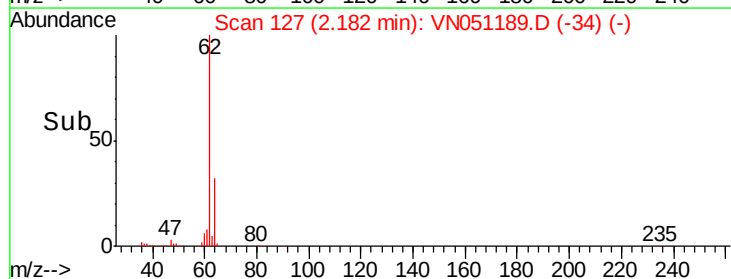
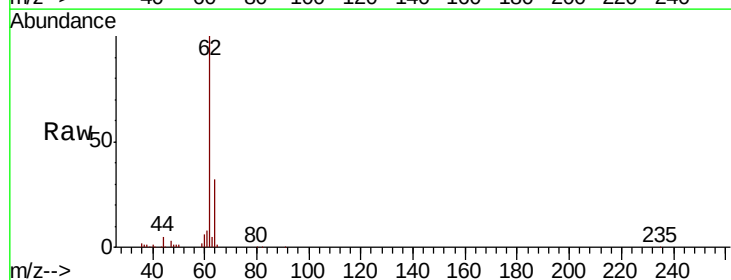
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

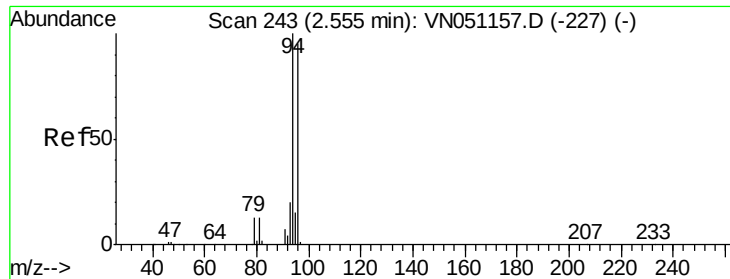
Tot Ion: 50 Resp: 121939
 Ion Ratio Lower Upper
 50 100
 52 33.1 26.0 39.0



#4
 Vinyl Chloride
 Concen: 16.85 ug/l
 RT: 2.18 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

Tgt Ion: 62 Resp: 125506
 Ion Ratio Lower Upper
 62 100
 64 32.0 26.2 39.4





#5

Bromomethane

Concen: 16.56 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

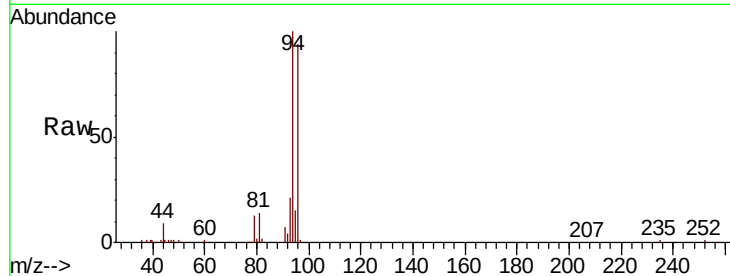
VN0914WBSD02

Tot Ion: 94 Resp: 72380

Ion Ratio Lower Upper

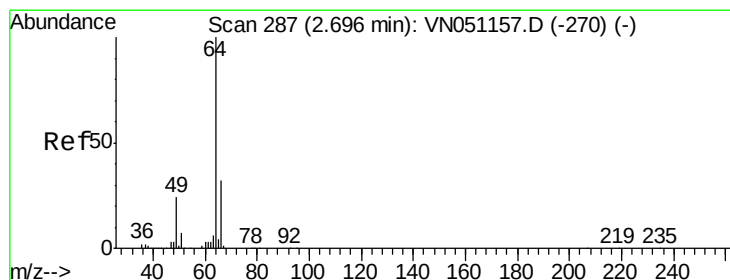
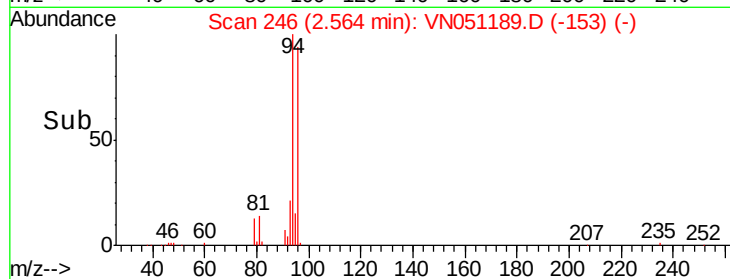
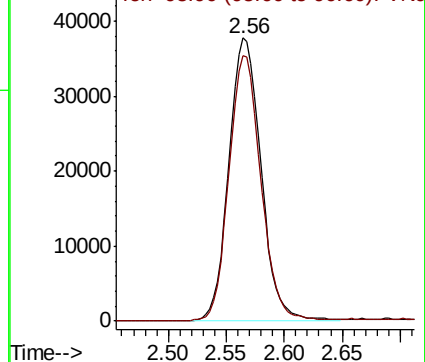
94 100

96 93.9 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.00 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051189.D

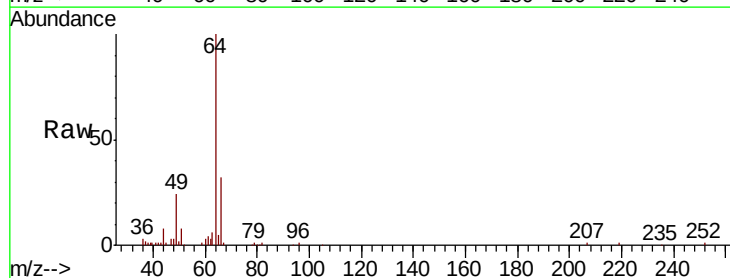
Acq: 14 Sep 2018 14:47

Tgt Ion: 64 Resp: 78176

Ion Ratio Lower Upper

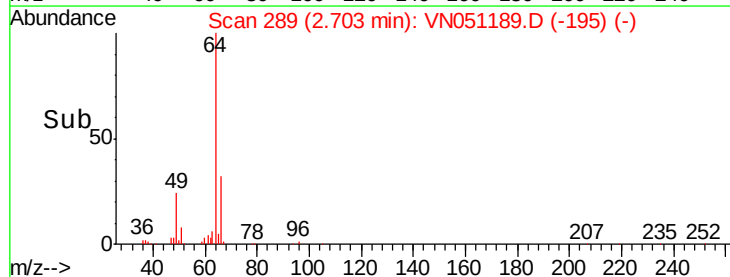
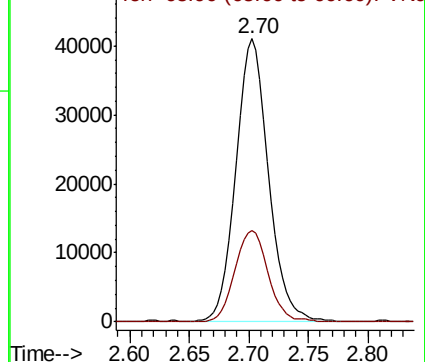
64 100

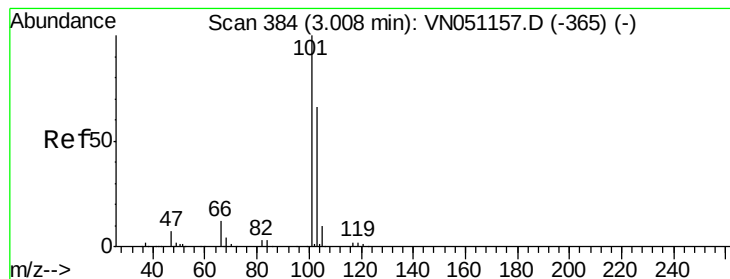
66 32.2 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



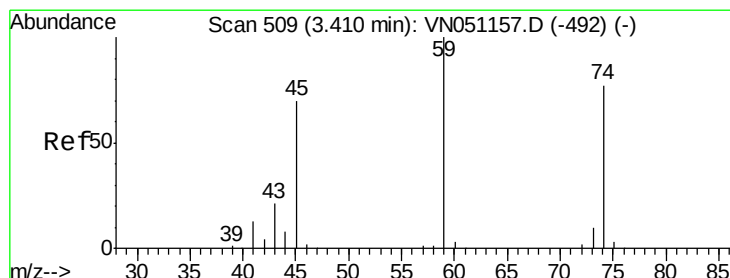
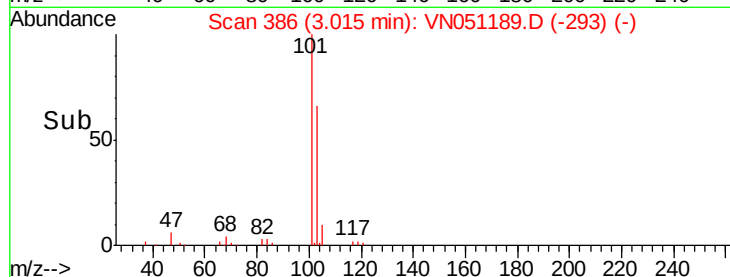
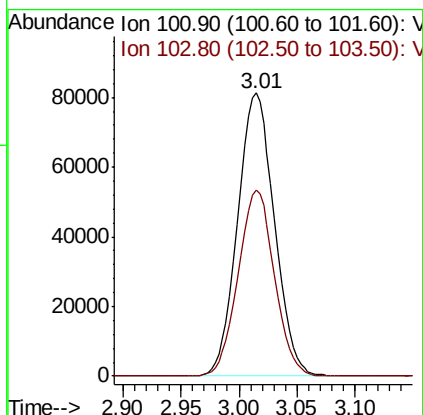
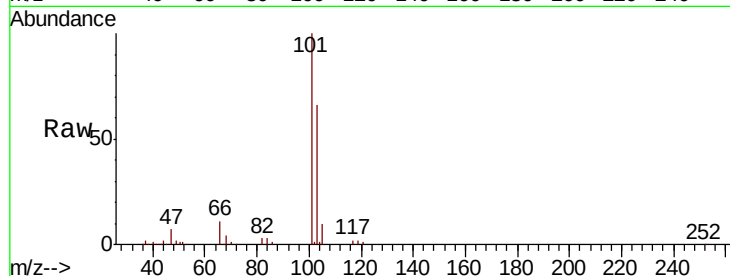


#7

Trichlorofluoromethane
 Concen: 18.18 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

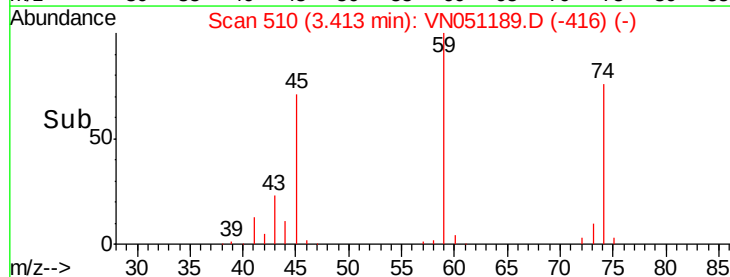
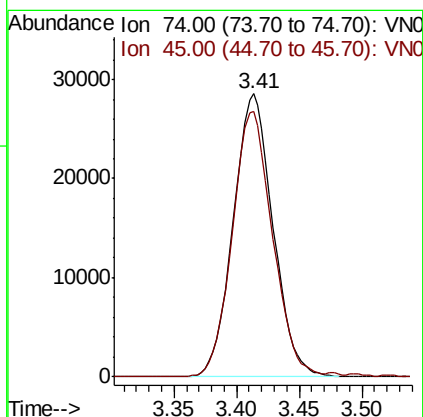
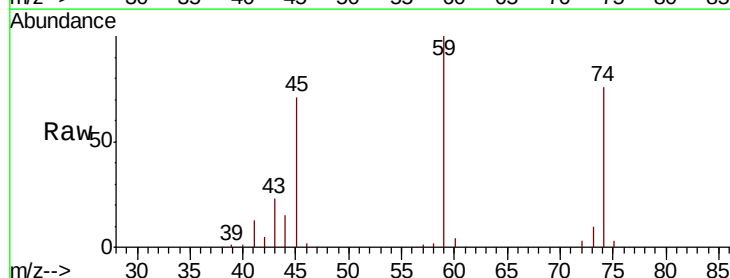
Tot Ion:101 Resp: 179454
 Ion Ratio Lower Upper
 101 100
 103 65.7 52.4 78.6

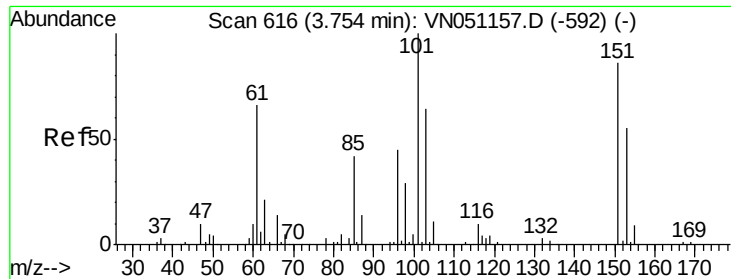


#8

Diethyl Ether
 Concen: 17.30 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

Tgt Ion: 74 Resp: 62803
 Ion Ratio Lower Upper
 74 100
 45 95.2 46.7 140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.14 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampled :

VN0914WBSD02

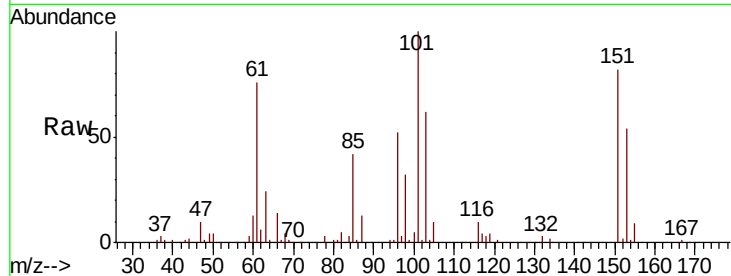
Tot Ion:101 Resp: 115411

Ion Ratio Lower Upper

101 100

85 42.2 33.3 49.9

151 85.6 68.2 102.2

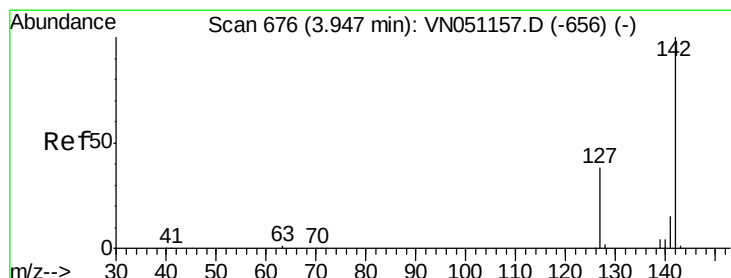
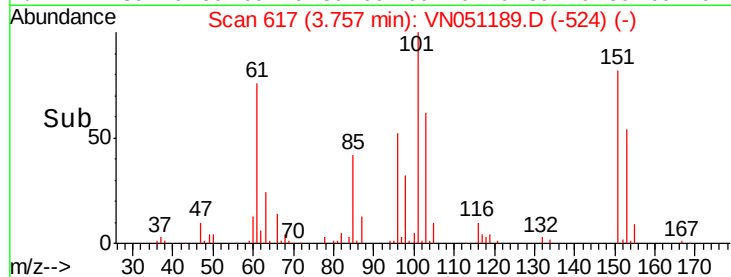
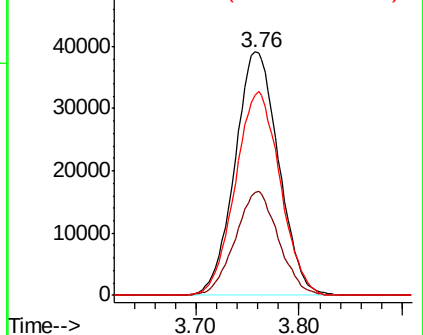


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.57 ug/l

RT: 3.95 min Scan# 677

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

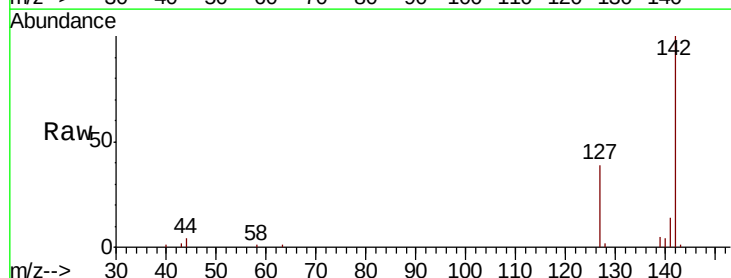
Tgt Ion:142 Resp: 80073

Ion Ratio Lower Upper

142 100

127 40.8 31.0 46.4

141 14.2 11.3 16.9

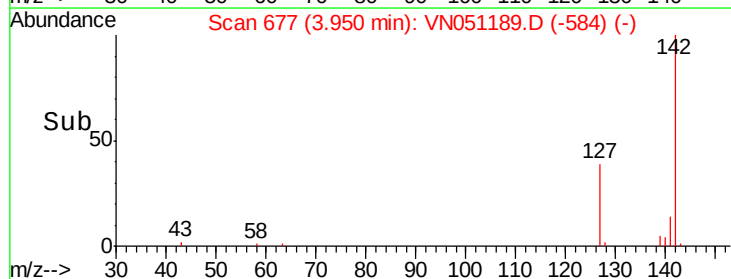
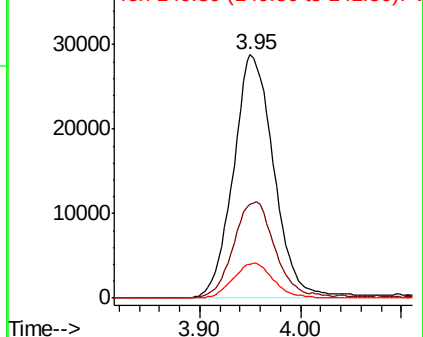


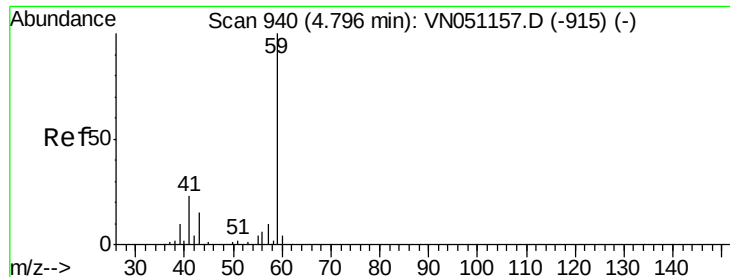
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

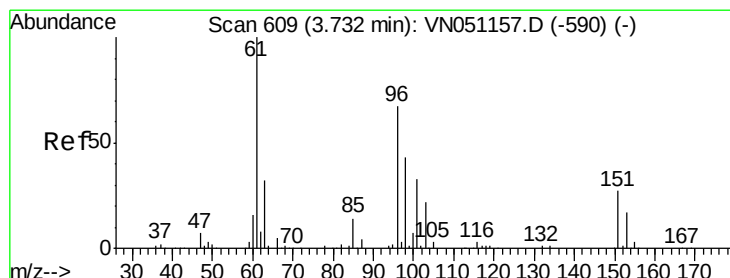
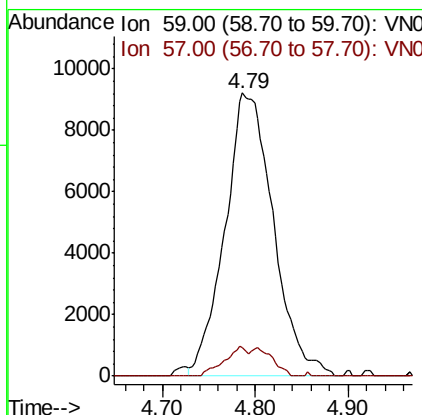
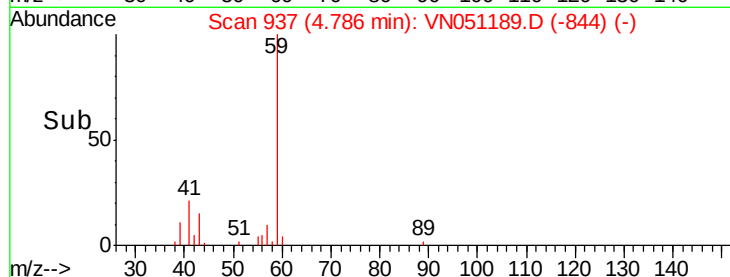
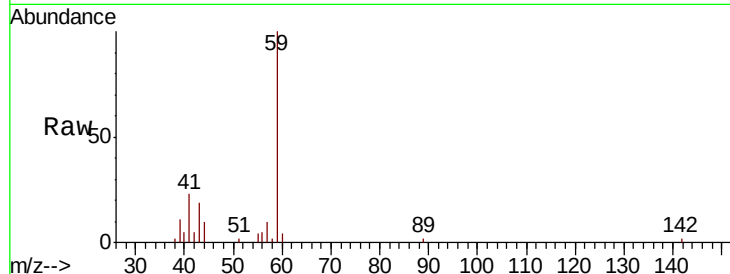




#11
Tert butyl alcohol
Concen: 69.87 ug/l
RT: 4.79 min Scan# 937
Delta R.T. -0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

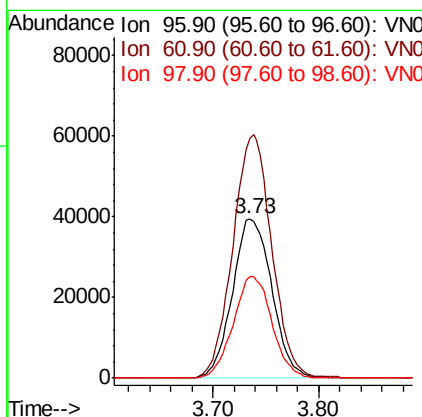
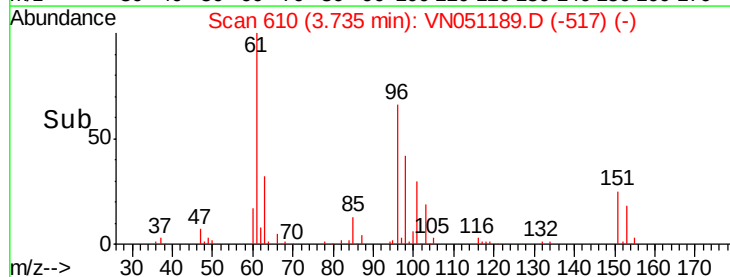
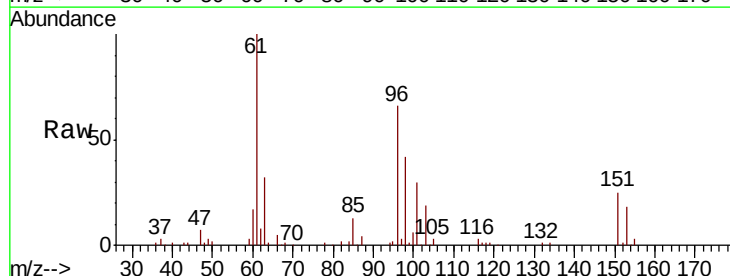
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

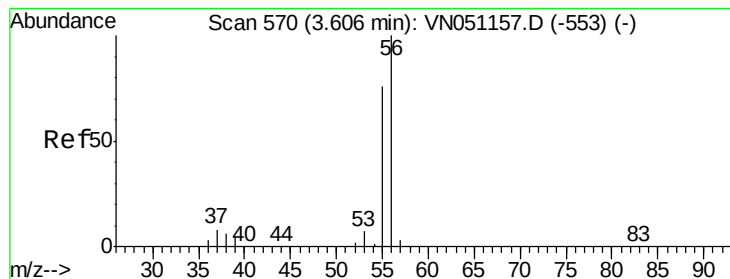
Tot Ion: 59 Resp: 33420
Ion Ratio Lower Upper
59 100
57 5.0 8.1 12.1#



#12
1,1-Dichloroethene
Concen: 17.08 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

Tgt Ion: 96 Resp: 102540
Ion Ratio Lower Upper
96 100
61 150.7 120.3 180.5
98 63.7 50.8 76.2





#13

Acrolein

Concen: 83.93 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

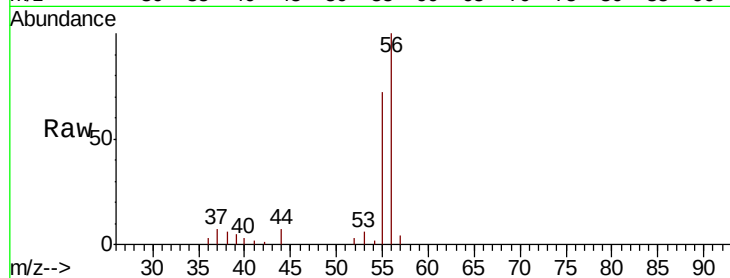
VN0914WBSD02

Tot Ion: 56 Resp: 38571

Ion Ratio Lower Upper

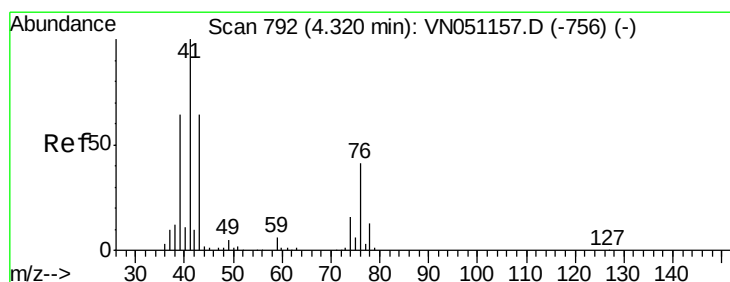
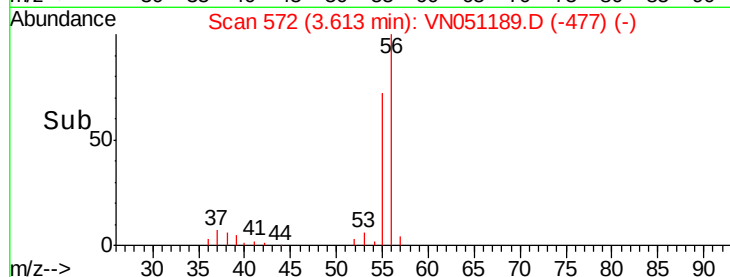
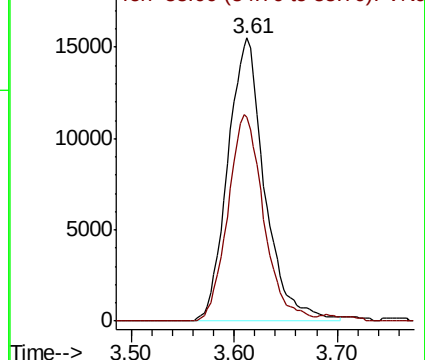
56 100

55 70.9 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 16.47 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

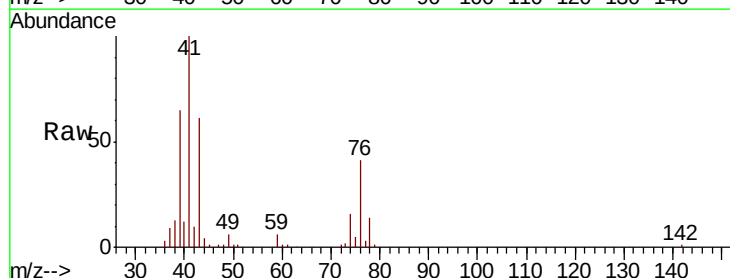
Tgt Ion: 41 Resp: 150663

Ion Ratio Lower Upper

41 100

39 62.7 48.8 73.2

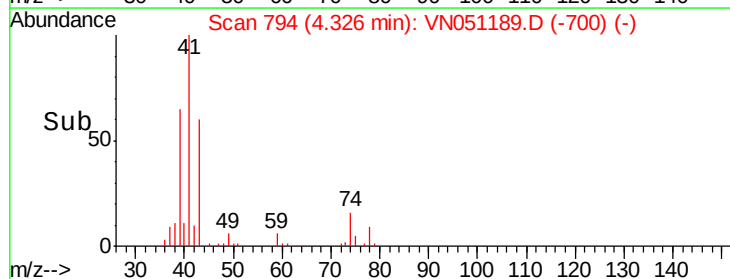
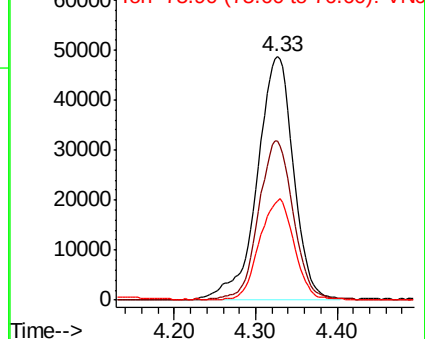
76 38.6 30.6 45.8

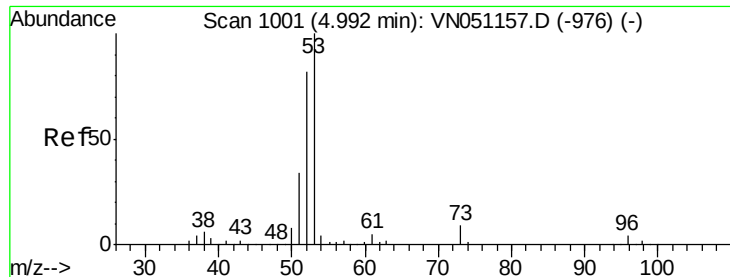


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 83.01 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

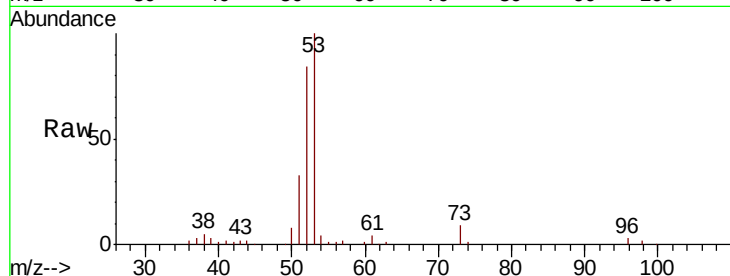
Tot Ion: 53 Resp: 175939

Ion Ratio Lower Upper

53 100

52 82.2 65.3 97.9

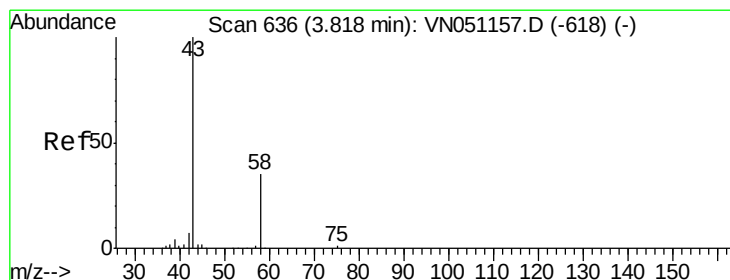
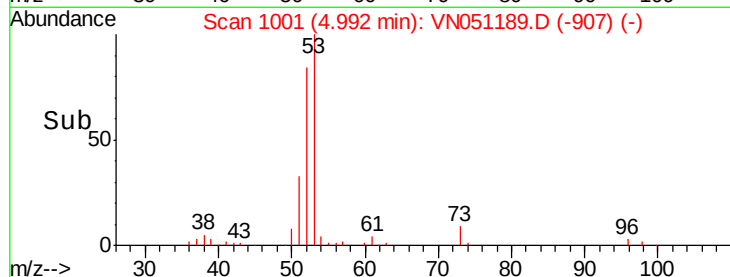
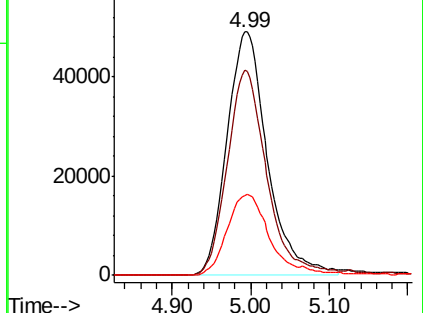
51 35.3 28.2 42.2



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: 77.39 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051189.D

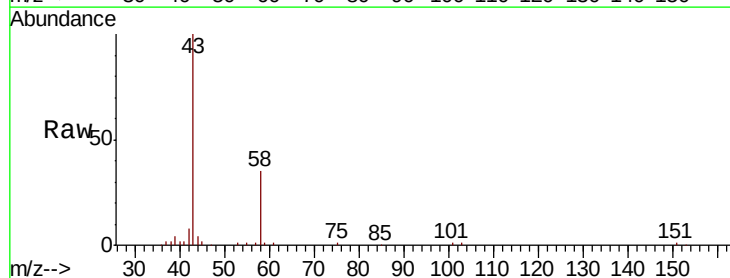
Acq: 14 Sep 2018 14:47

Tgt Ion: 43 Resp: 126060

Ion Ratio Lower Upper

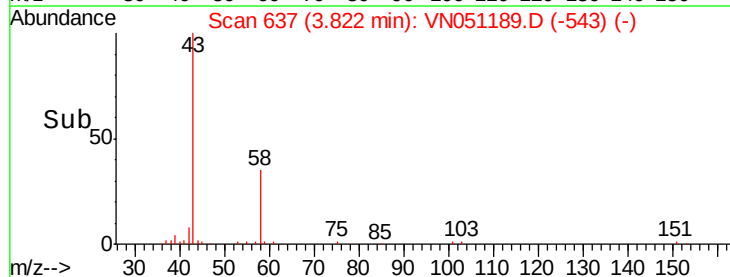
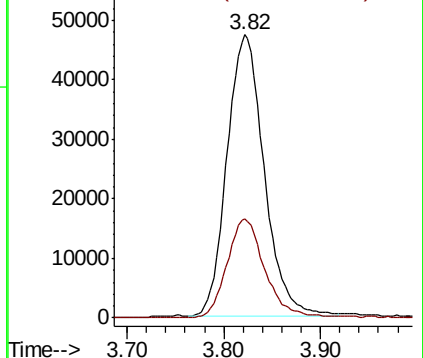
43 100

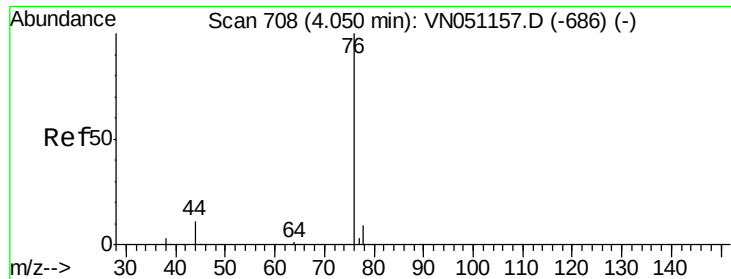
58 35.1 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

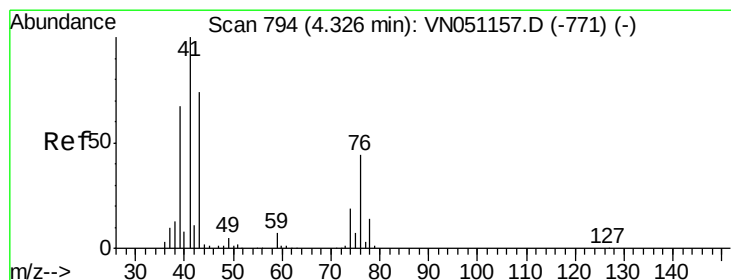
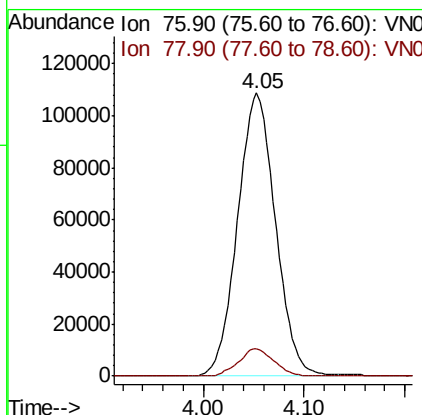
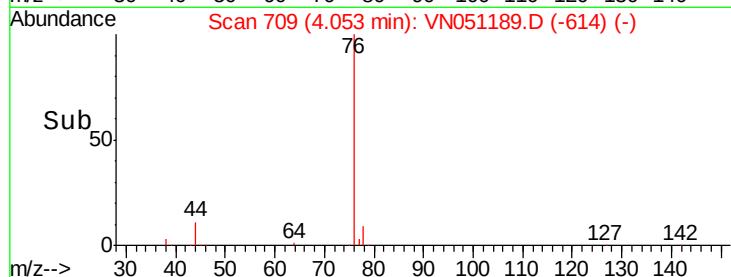
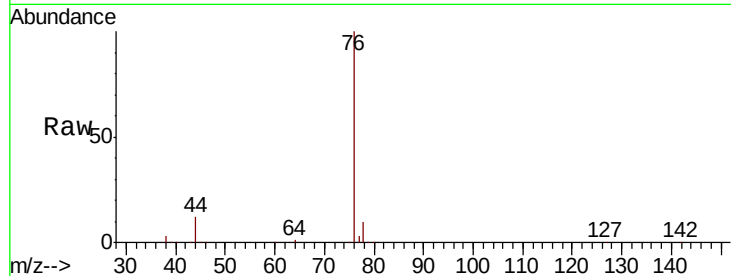




#17
Carbon Disulfide
Concen: 16.08 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

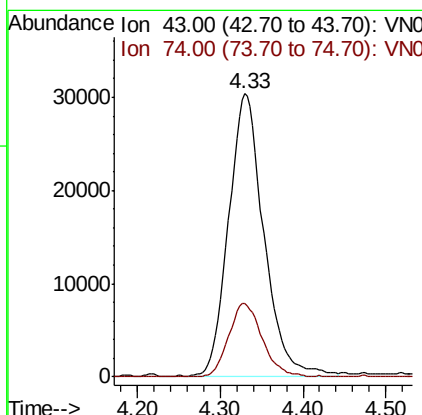
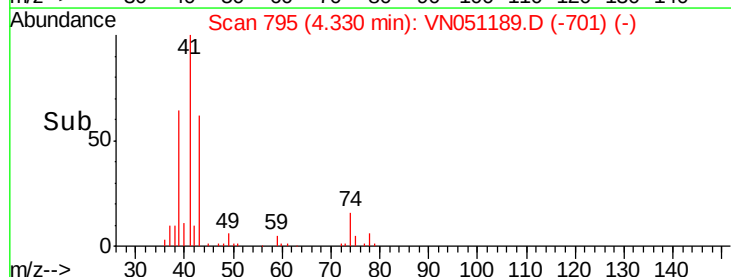
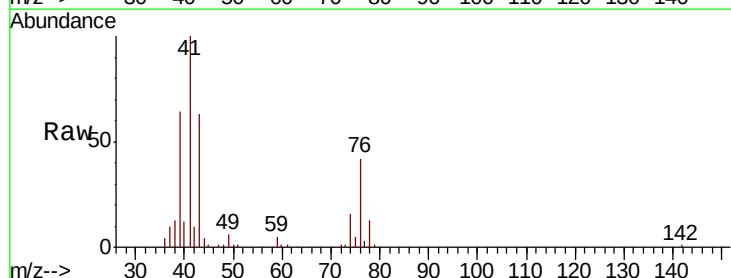
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

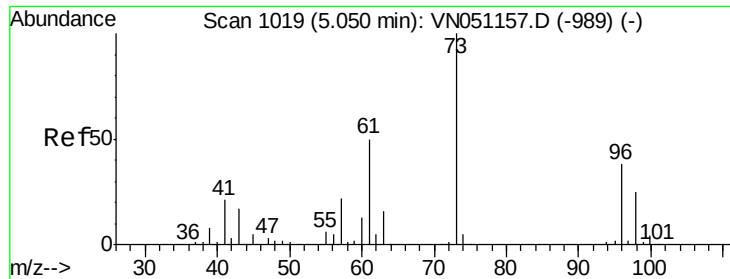
Tot Ion: 76 Resp: 283003
Ion Ratio Lower Upper
76 100
78 9.7 7.0 10.6



#18
Methyl Acetate
Concen: 18.05 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

Tgt Ion: 43 Resp: 90537
Ion Ratio Lower Upper
43 100
74 24.6 20.7 31.1

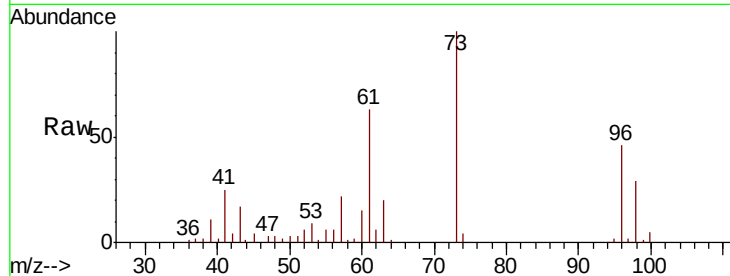




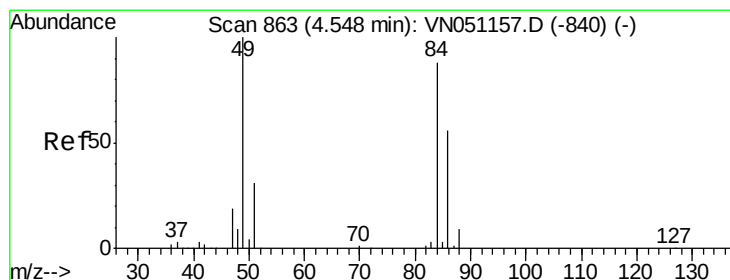
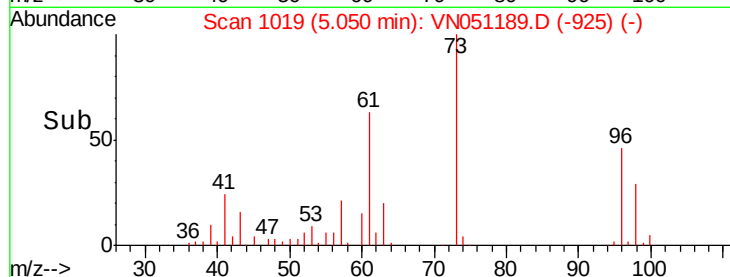
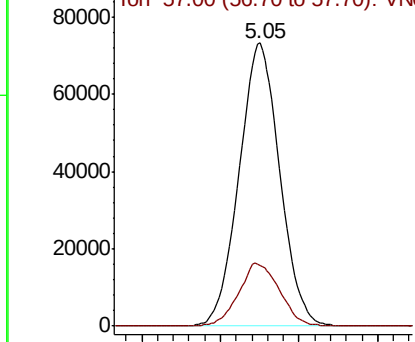
#19
Methyl tert-butyl Ether
Concen: 16.77 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

Tot Ion: 73 Resp: 266074
Ion Ratio Lower Upper
73 100
57 21.5 17.9 26.9

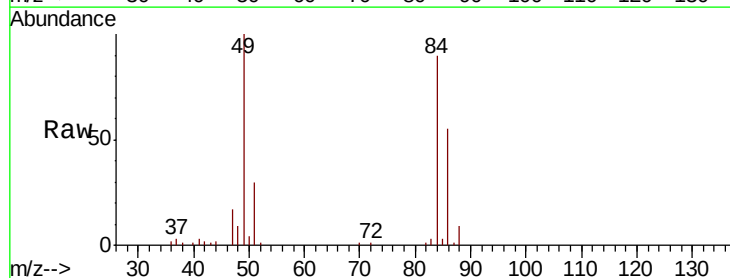


Abundance Ion 73.00 (72.70 to 73.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

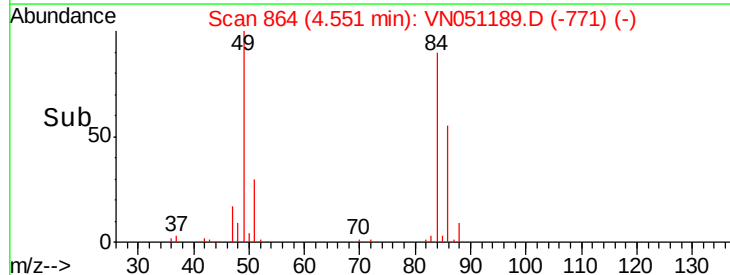
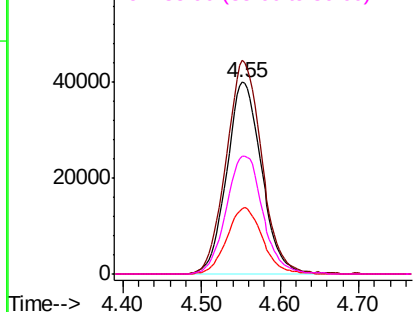


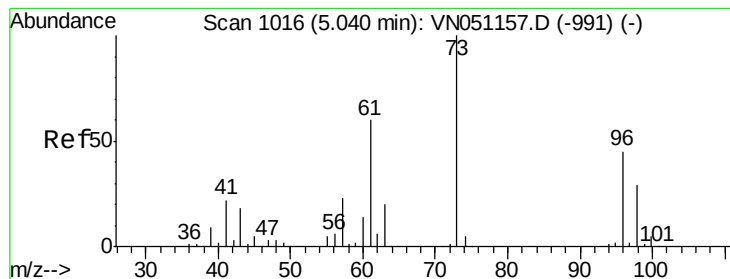
#20
Methylene Chloride
Concen: 17.86 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

Tgt Ion: 84 Resp: 123522
Ion Ratio Lower Upper
84 100
49 111.6 90.2 135.2
51 33.9 28.4 42.6
86 61.6 51.8 77.8



Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0





#21

trans-1,2-Dichloroethene

Concen: 17.02 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

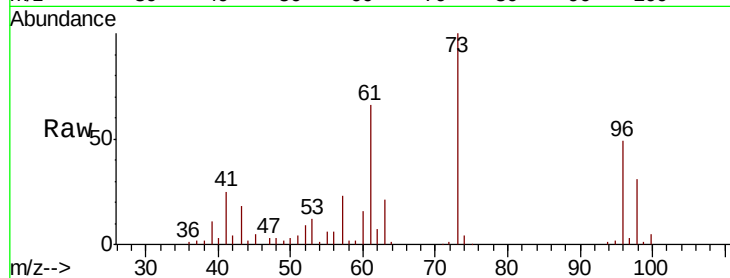
Tot Ion: 96 Resp: 110792

Ion Ratio Lower Upper

96 100

61 134.8 106.5 159.7

98 62.8 50.4 75.6

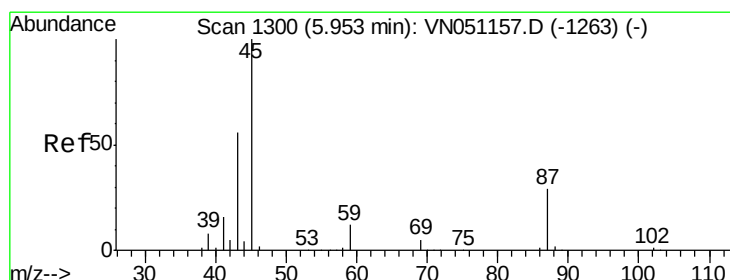
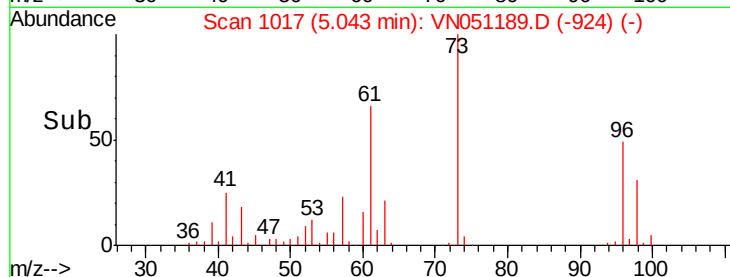
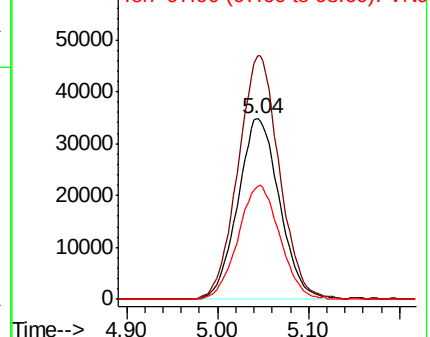


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 18.72 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.01 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Tgt Ion: 45 Resp: 339857

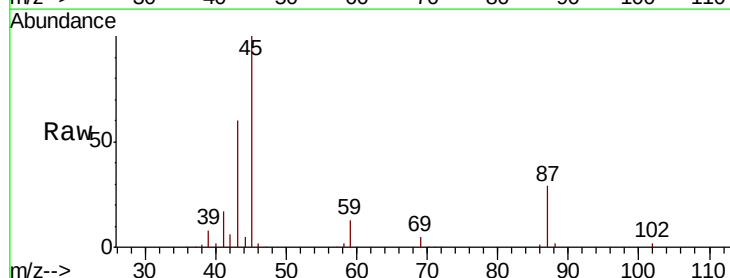
Ion Ratio Lower Upper

45 100

43 57.5 48.8 73.2

87 29.0 23.8 35.8

59 12.9 9.6 14.4



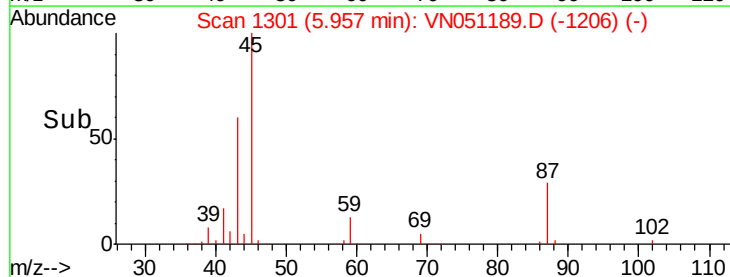
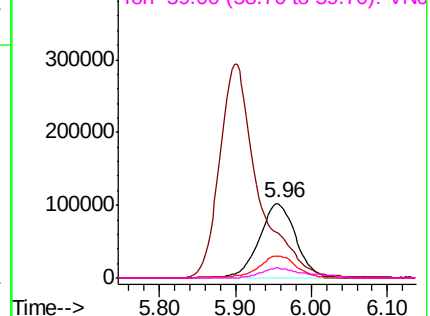
Abundance

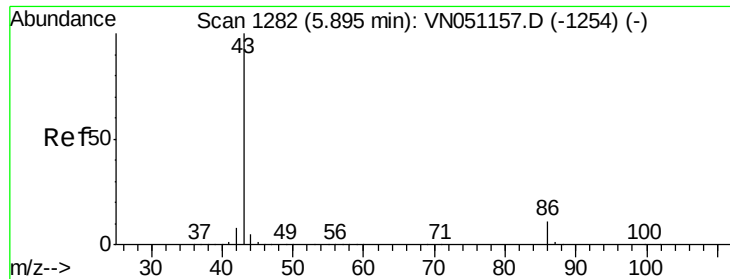
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 83.85 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

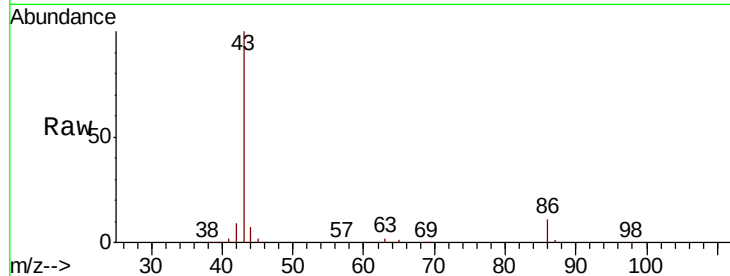
VN0914WBSD02

Tot Ion: 43 Resp: 1030027

Ion Ratio Lower Upper

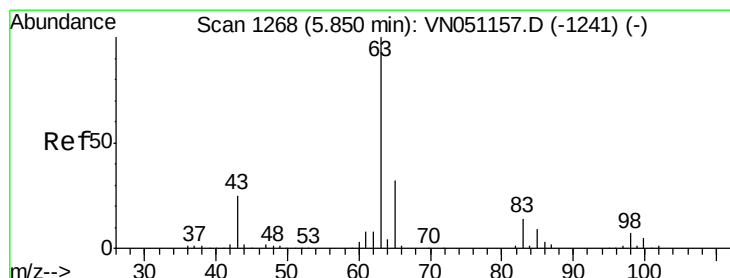
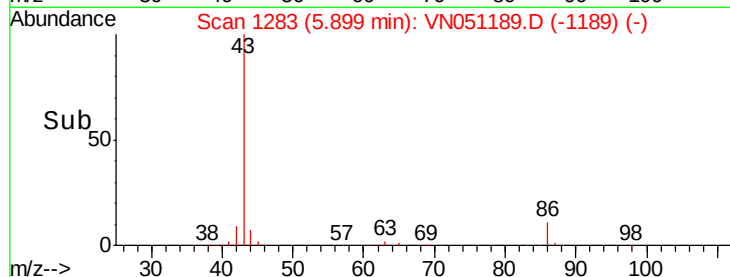
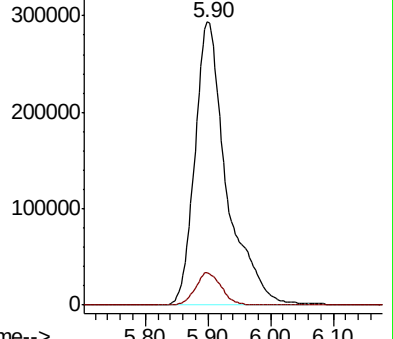
43 100

86 11.4 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.30 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

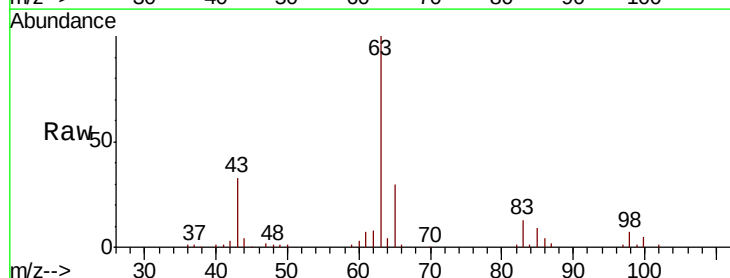
Tgt Ion: 63 Resp: 210811

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.1

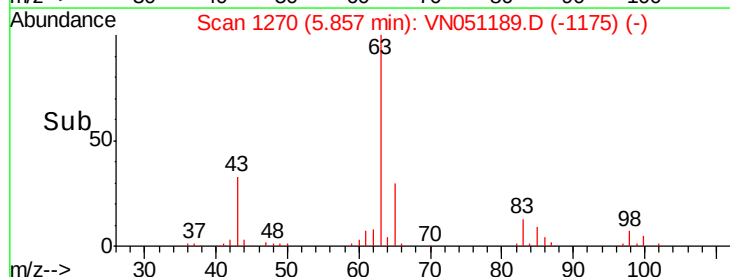
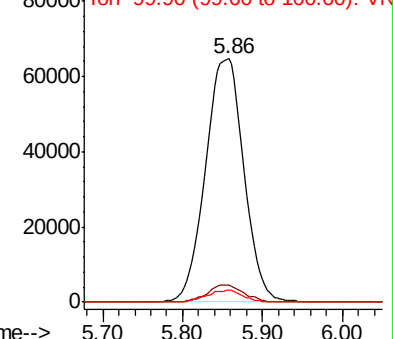
100 5.0 2.1 6.3

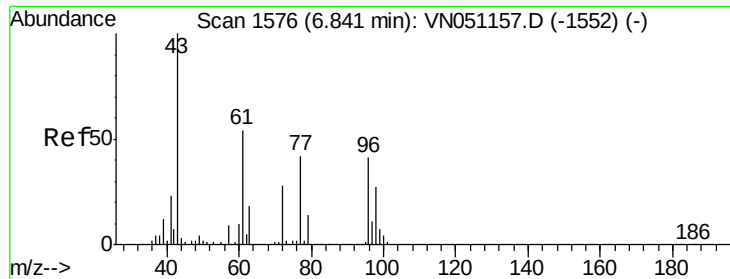


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

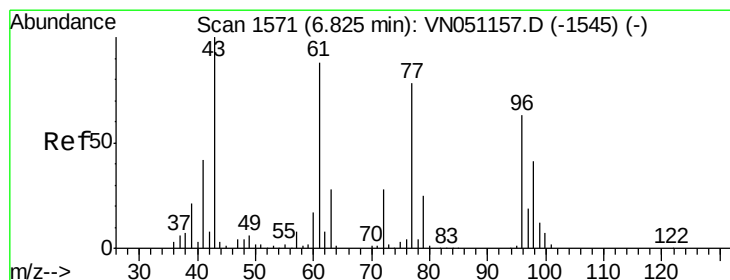
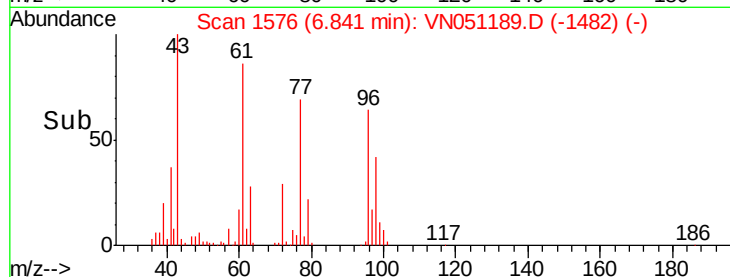
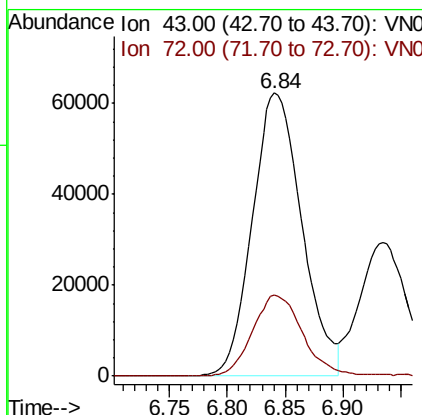
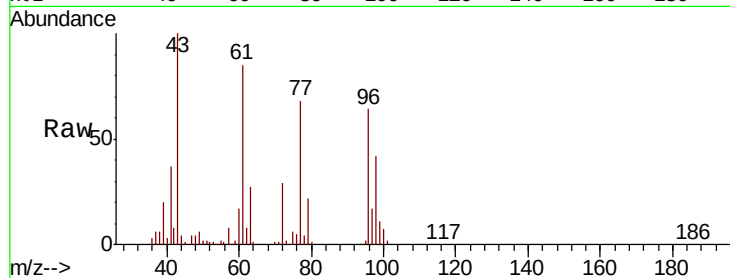




#25
2-Butanone
Concen: 75.39 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

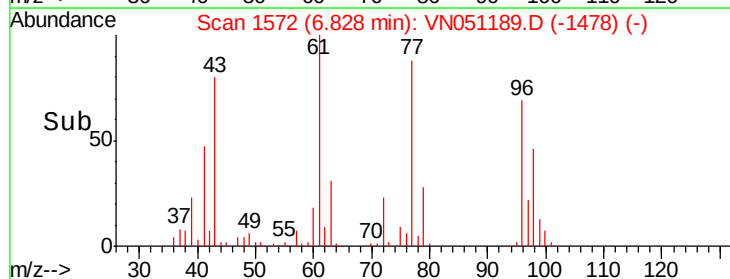
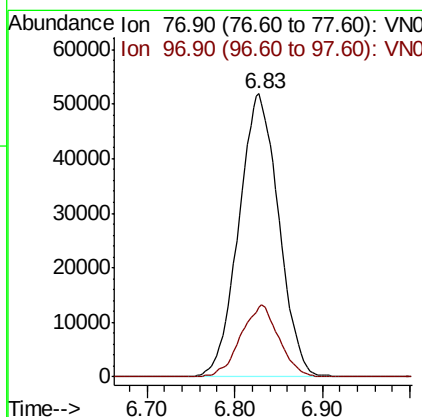
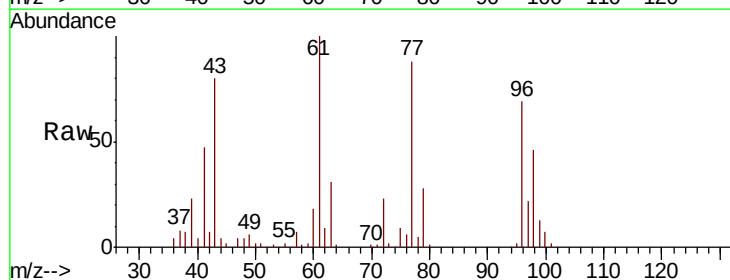
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

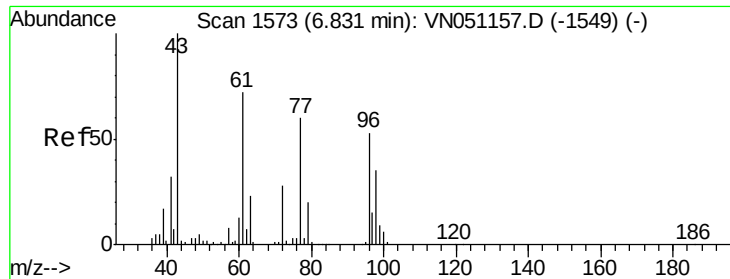
Tot Ion: 43 Resp: 185620
Ion Ratio Lower Upper
43 100
72 28.7 23.0 34.6



#26
2,2-Dichloropropane
Concen: 17.42 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

Tgt Ion: 77 Resp: 164173
Ion Ratio Lower Upper
77 100
97 24.2 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 17.36 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

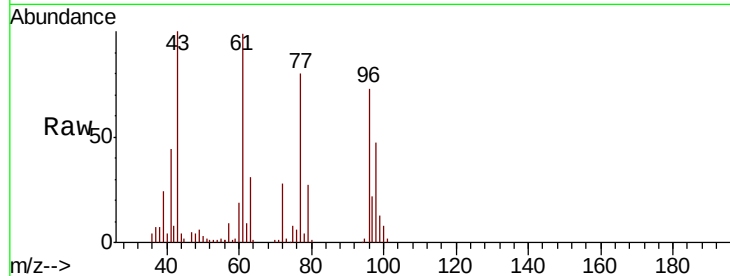
Tot Ion: 96 Resp: 124010

Ion Ratio Lower Upper

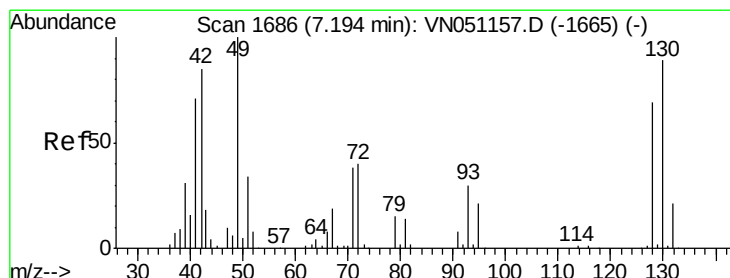
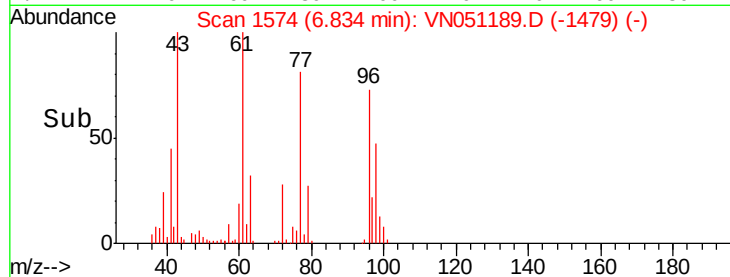
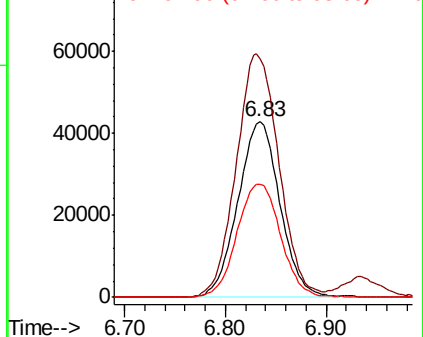
96 100

61 140.8 0.0 278.2

98 66.9 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 18.57 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

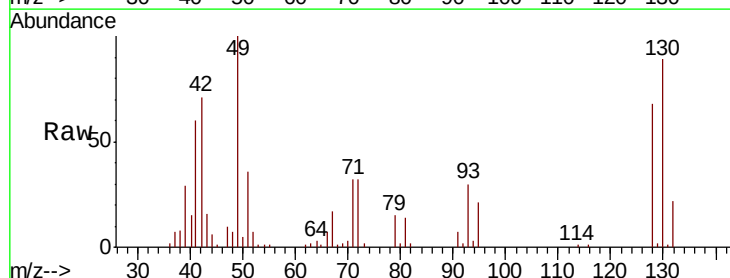
Tgt Ion: 49 Resp: 95201

Ion Ratio Lower Upper

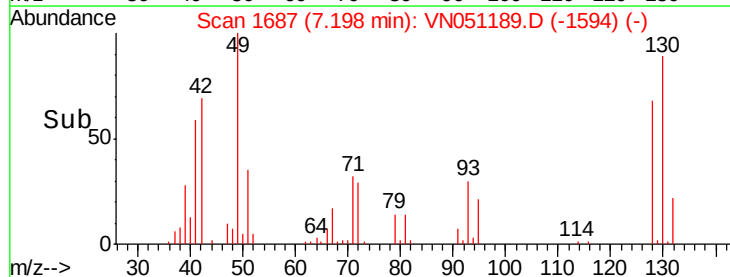
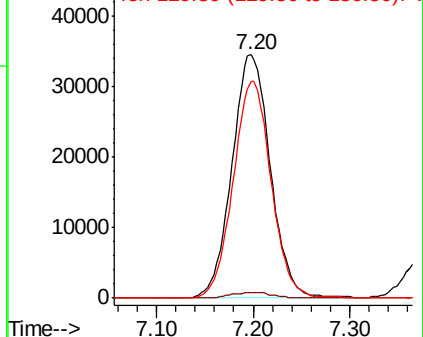
49 100

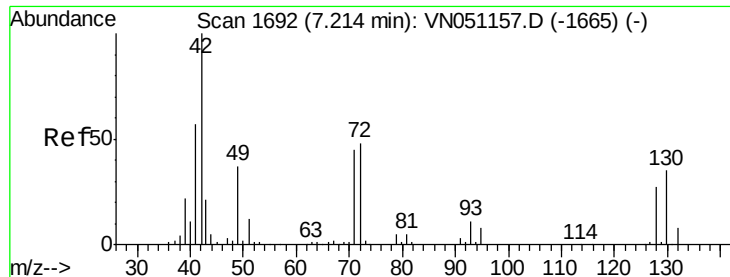
129 1.4 0.0 4.4

130 87.8 70.7 106.1



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 79.40 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

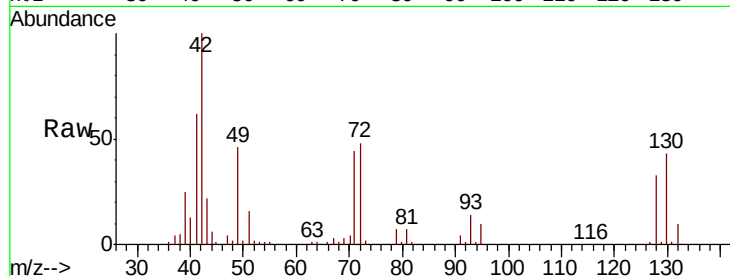
Tot Ion: 42 Resp: 122071

Ion Ratio Lower Upper

42 100

72 46.6 37.4 56.0

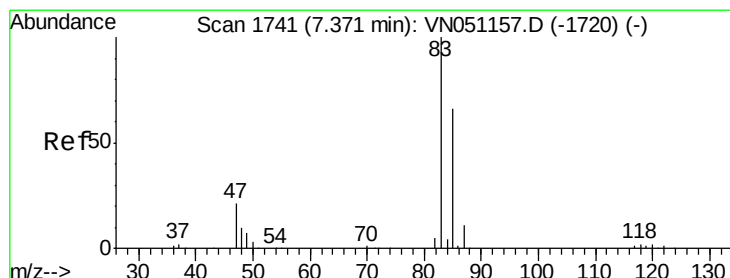
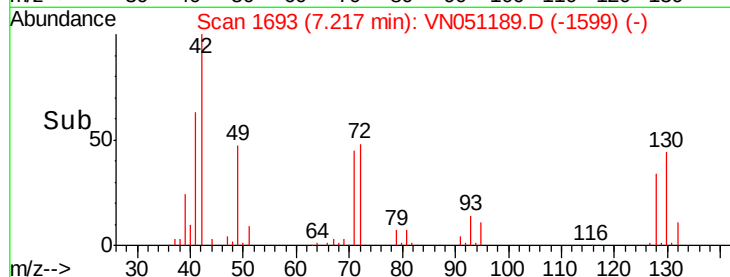
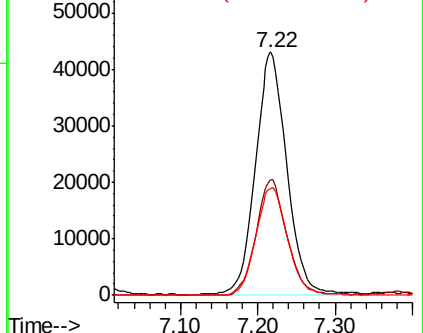
71 44.3 34.7 52.1



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 18.76 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN051189.D

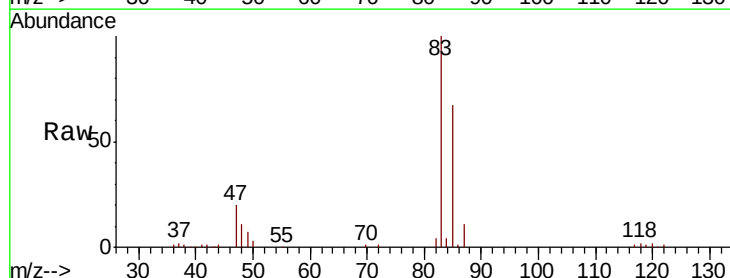
Acq: 14 Sep 2018 14:47

Tgt Ion: 83 Resp: 214943

Ion Ratio Lower Upper

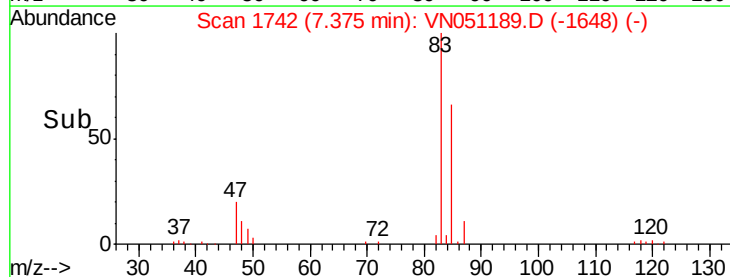
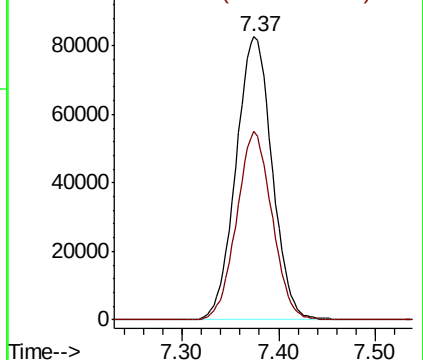
83 100

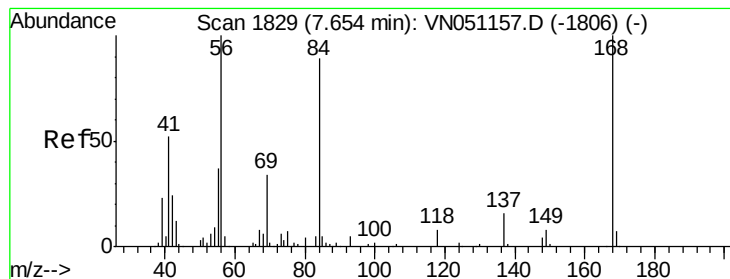
85 66.5 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 16.93 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

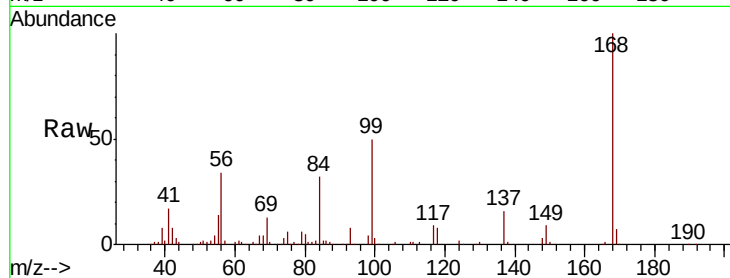
Tot Ion: 56 Resp: 175436

Ion Ratio Lower Upper

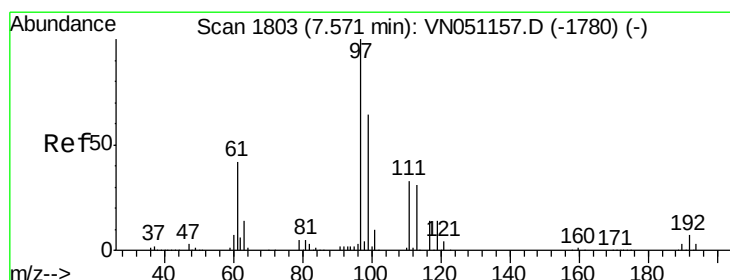
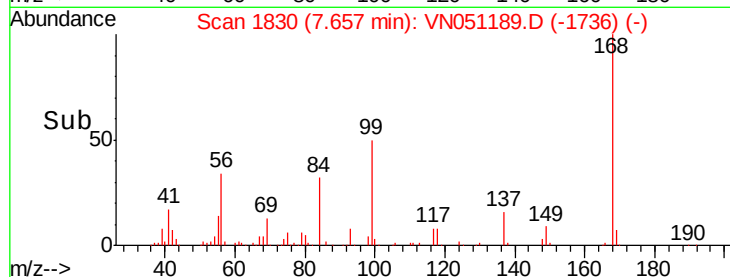
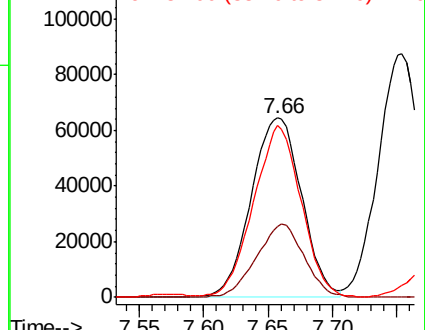
56 100

69 39.7 26.3 39.5#

84 94.6 69.4 104.0



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



#32

1,1,1-Trichloroethane

Concen: 18.55 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

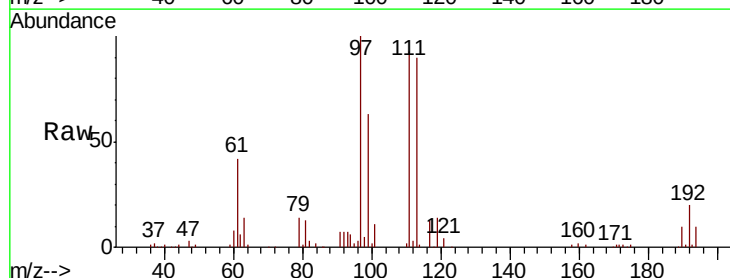
Tgt Ion: 97 Resp: 181063

Ion Ratio Lower Upper

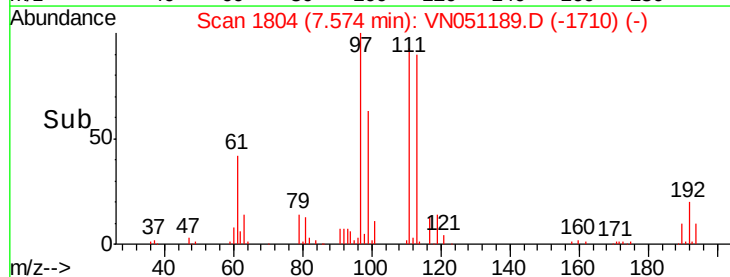
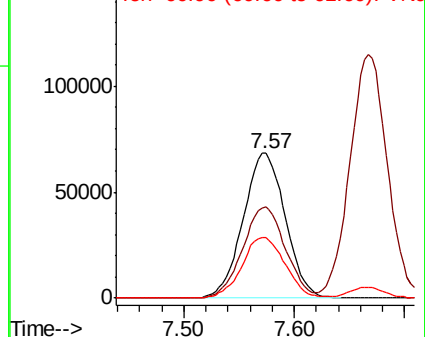
97 100

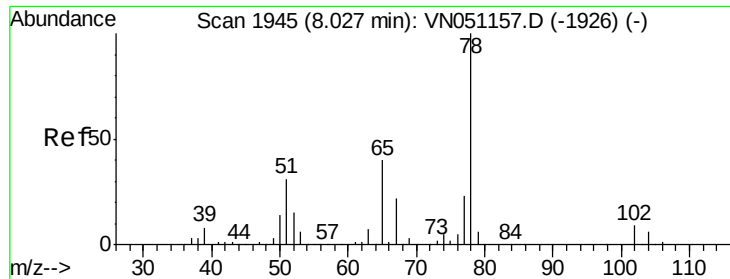
99 63.8 51.6 77.4

61 42.8 33.8 50.6



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

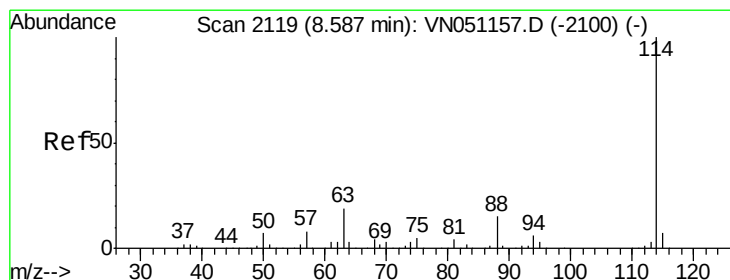
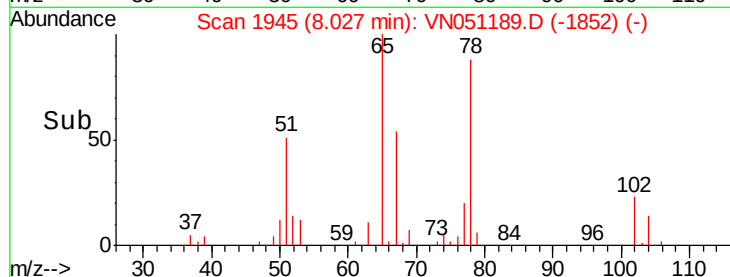
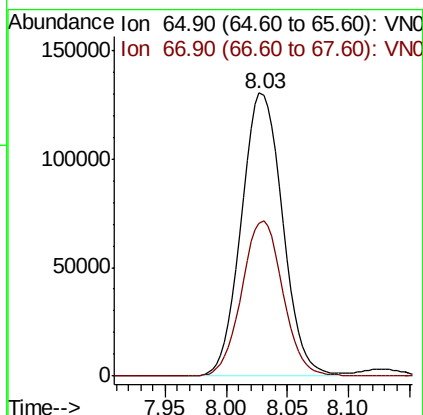
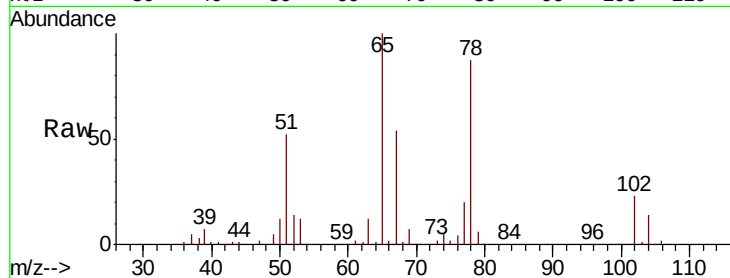




#33
 1,2-Dichloroethane-d4
 Concen: 48.72 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

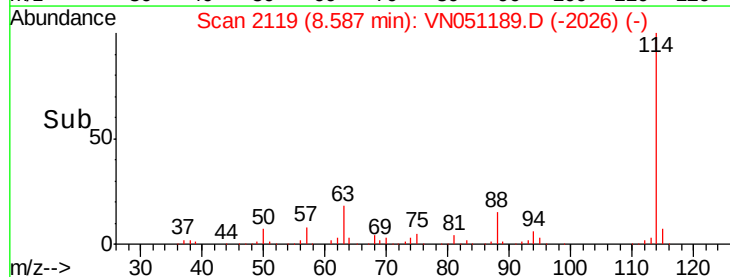
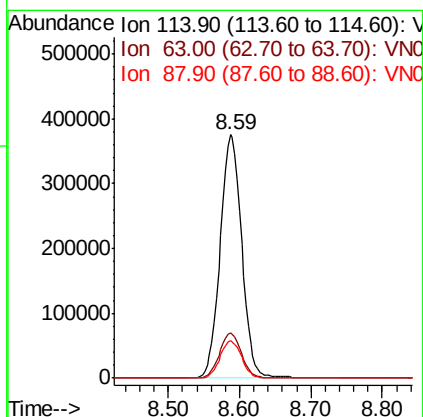
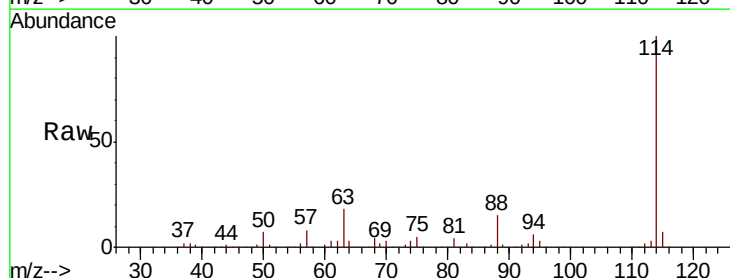
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

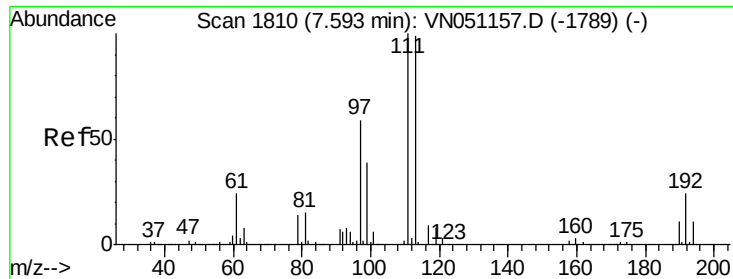
Tot Ion: 65 Resp: 305104
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

Tgt Ion:114 Resp: 787737
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 37.8
 88 15.3 0.0 30.8

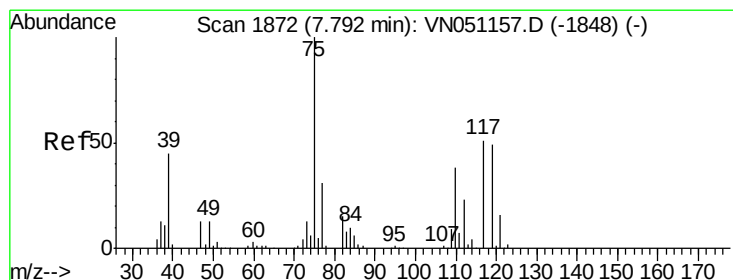
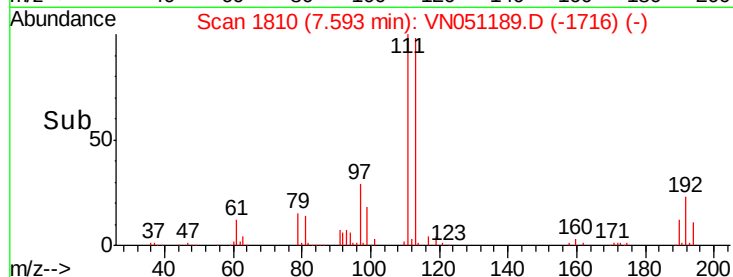
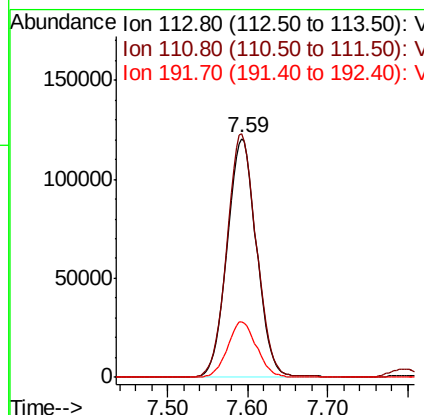
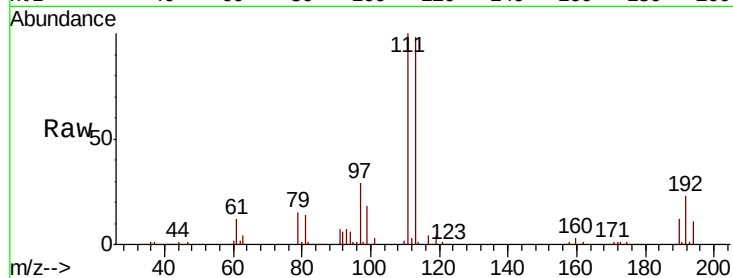




#35
 Dibromofluoromethane
 Concen: 51.15 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

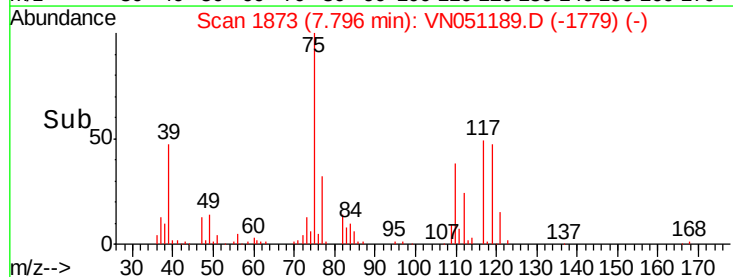
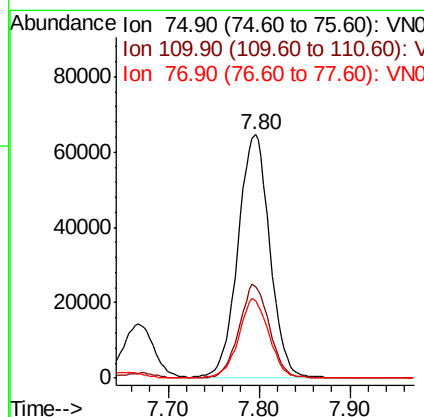
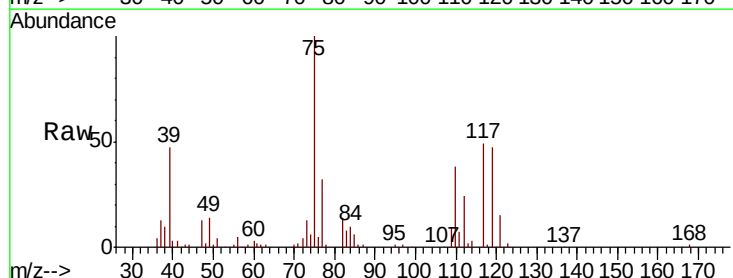
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

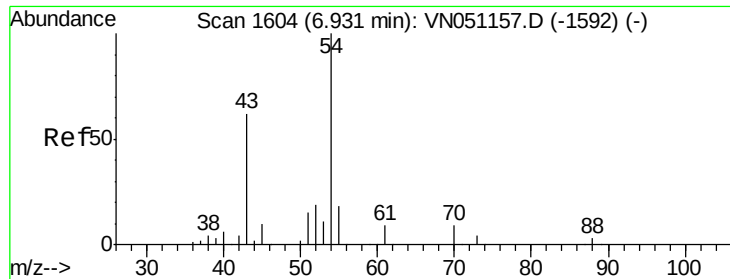
Tot Ion:113 Resp: 302740
 Ion Ratio Lower Upper
 113 100
 111 101.9 83.0 124.6
 192 23.1 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 18.23 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

Tgt Ion: 75 Resp: 157692
 Ion Ratio Lower Upper
 75 100
 110 36.6 18.6 55.8
 77 31.0 25.2 37.8

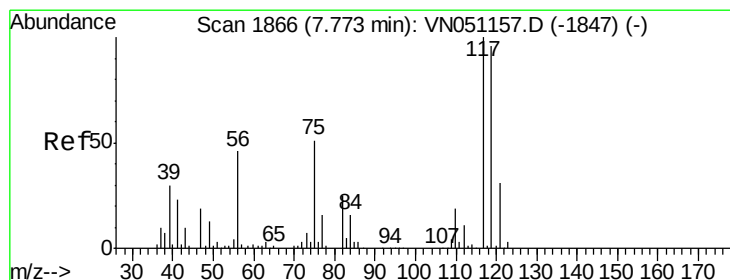
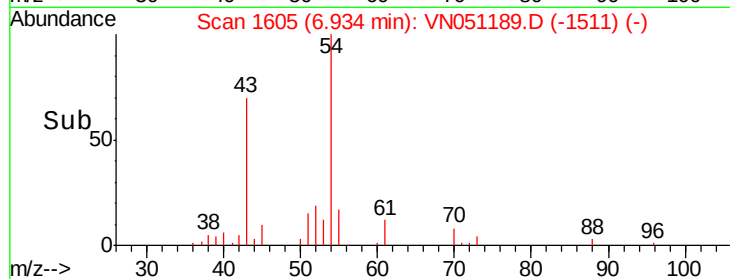
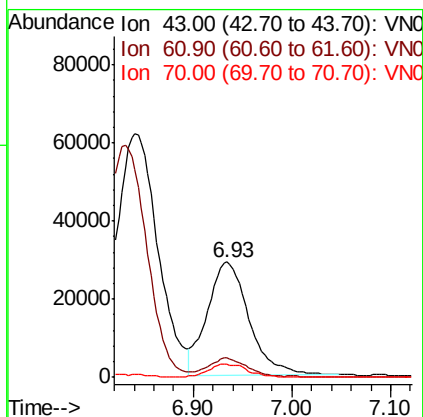
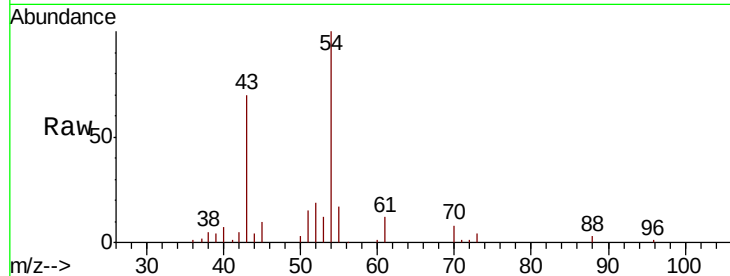




#37
Ethyl Acetate
Concen: 17.33 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

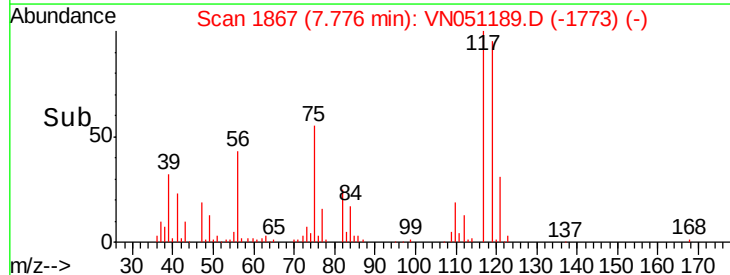
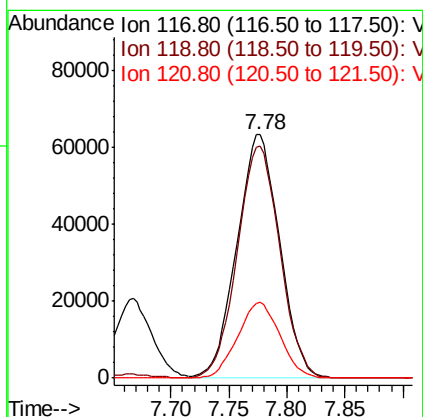
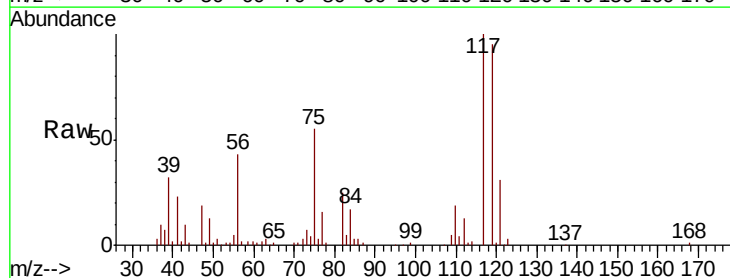
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

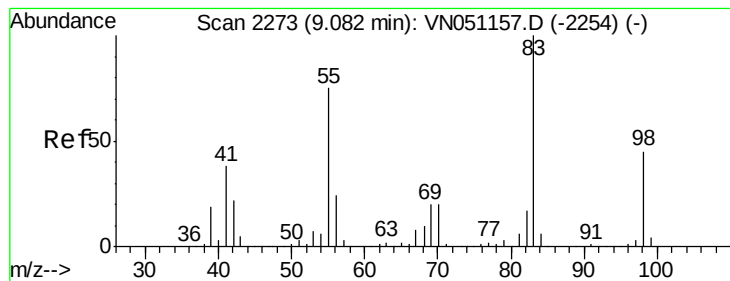
Tot Ion: 43 Resp: 86799
Ion Ratio Lower Upper
43 100
61 14.5 12.4 18.6
70 10.9 9.3 13.9



#38
Carbon Tetrachloride
Concen: 19.01 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

Tgt Ion: 117 Resp: 161854
Ion Ratio Lower Upper
117 100
119 95.1 76.8 115.2
121 31.2 24.6 36.8





#39

Methylvlcyclohexane

Concen: 16.78 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

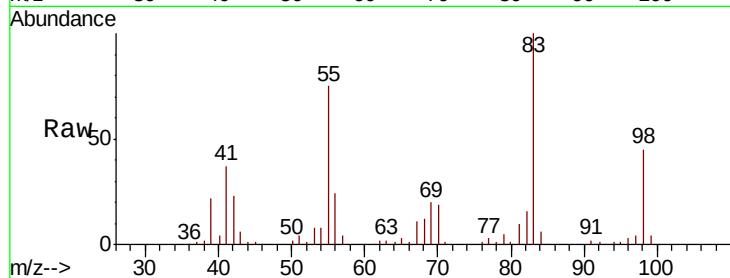
Tot Ion: 83 Resp: 160110

Ion Ratio Lower Upper

83 100

55 75.2 58.4 87.6

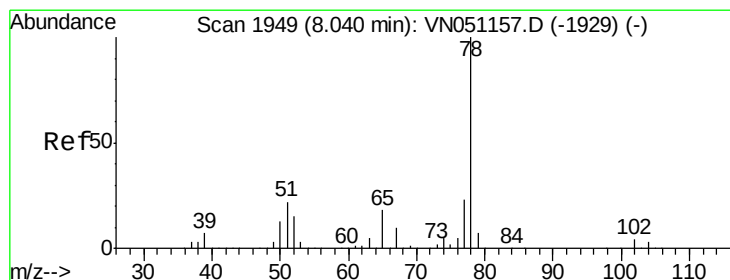
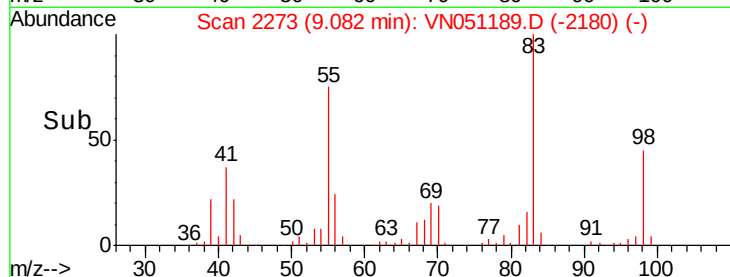
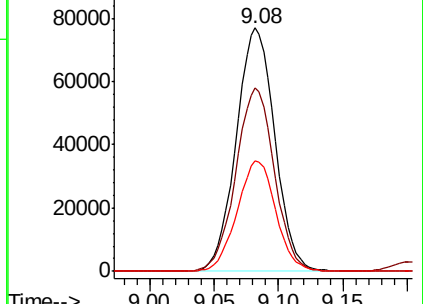
98 45.3 37.3 55.9



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 18.65 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. -0.00 min

Lab File: VN051189.D

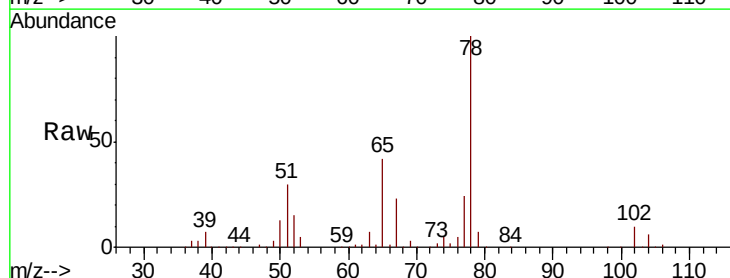
Acq: 14 Sep 2018 14:47

Tgt Ion: 78 Resp: 486082

Ion Ratio Lower Upper

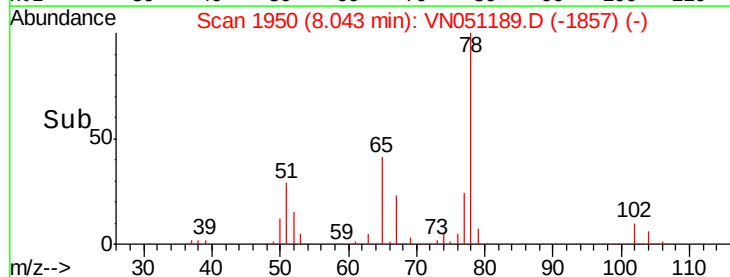
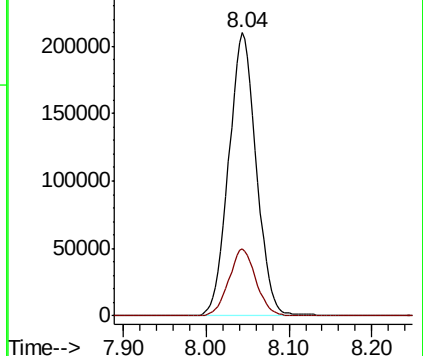
78 100

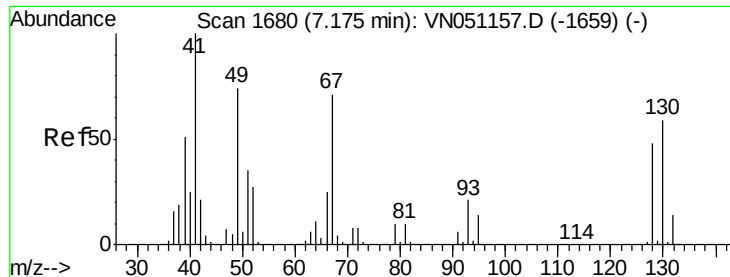
77 23.7 18.6 27.8



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

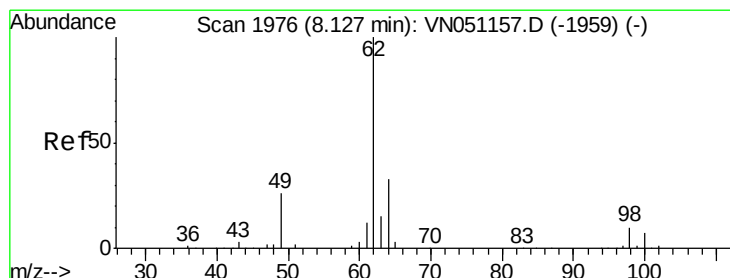
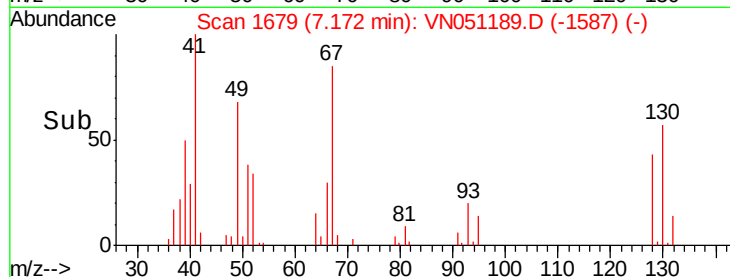
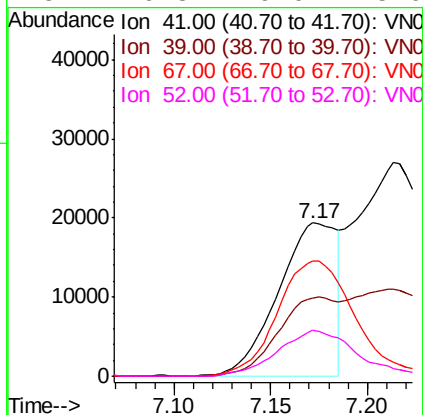
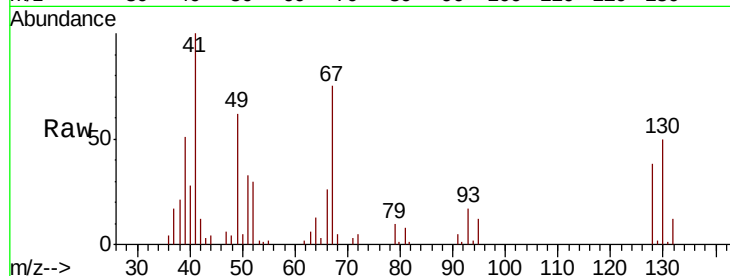




#41
Methacrylonitrile
Concen: 15.84 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

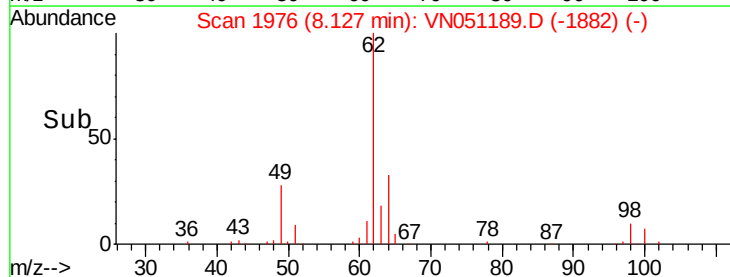
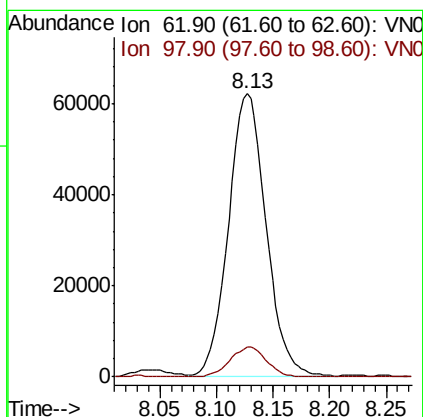
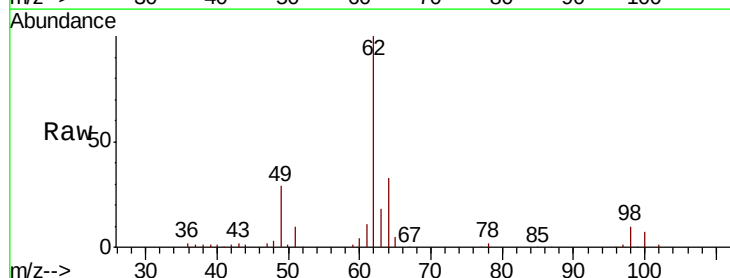
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

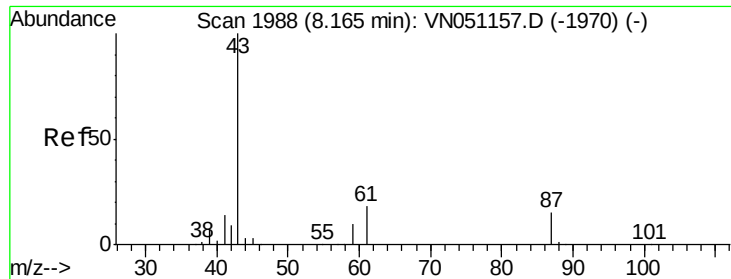
Tot Ion: 41 Resp: 40927
Ion Ratio Lower Upper
41 100
39 51.2 51.3 76.9#
67 100.6 78.5 117.7
52 40.8 29.0 43.6



#42
1,2-Dichloroethane
Concen: 18.84 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

Tgt Ion: 62 Resp: 143125
Ion Ratio Lower Upper
62 100
98 10.3 0.0 21.0





#43

Isopropyl Acetate

Concen: 17.24 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

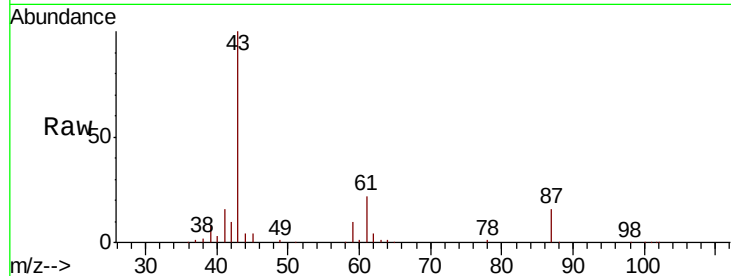
Tot Ion: 43 Resp: 152357

Ion Ratio Lower Upper

43 100

61 21.0 25.0 37.6#

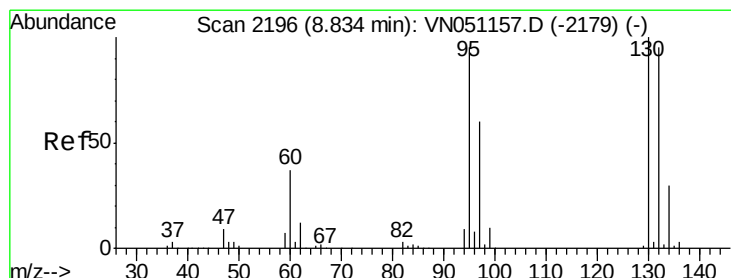
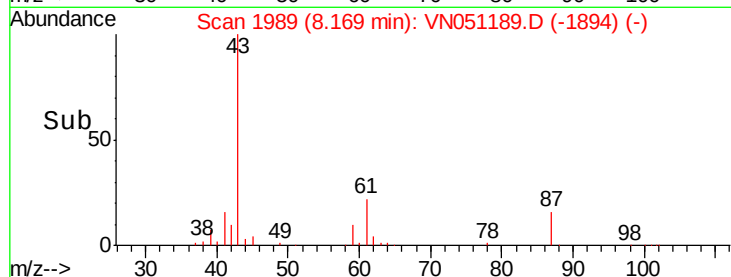
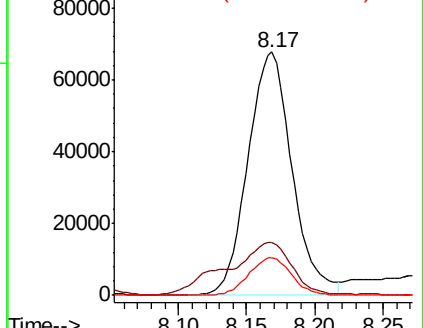
87 14.9 11.8 17.8



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

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

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



#44

Trichloroethene

Concen: 18.19 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051189.D

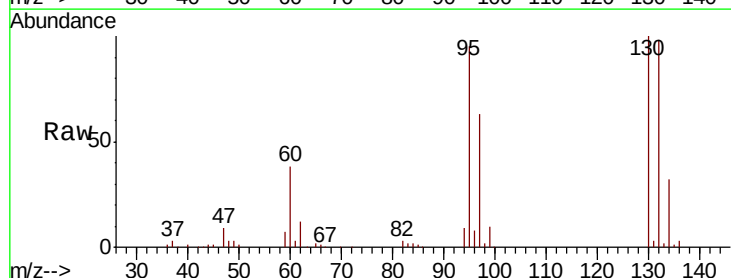
Acq: 14 Sep 2018 14:47

Tgt Ion:130 Resp: 129645

Ion Ratio Lower Upper

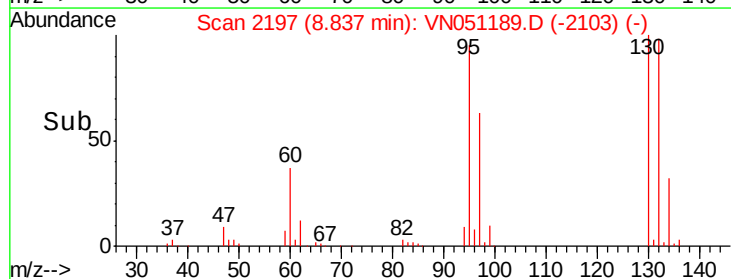
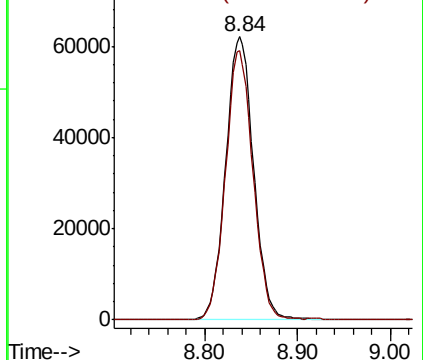
130 100

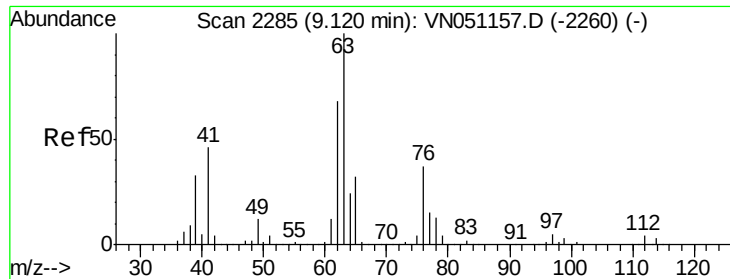
95 95.2 0.0 186.2



Abundance Ion 129.80 (129.50 to 130.50): VN051157.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN051157.D (-2179) (-)

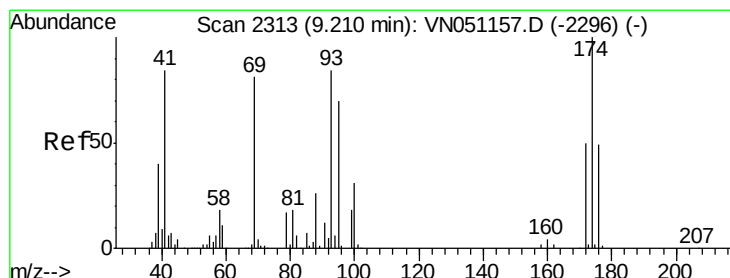
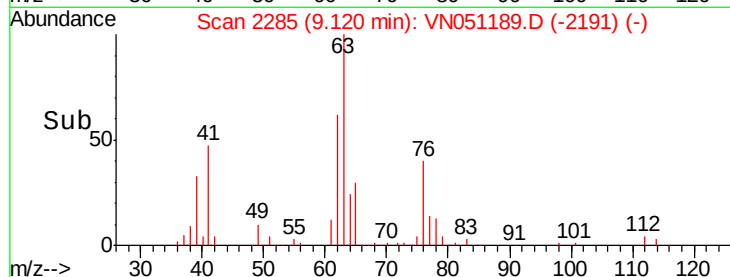
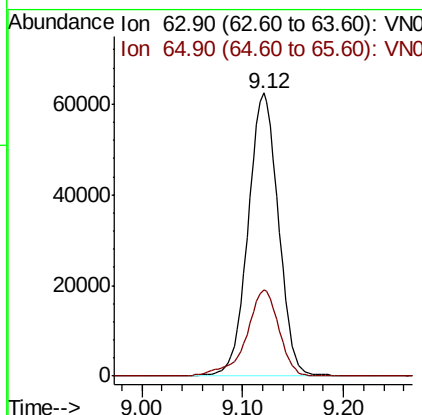
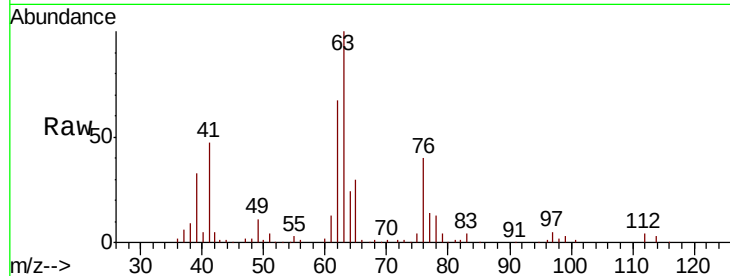




#45
 1,2-Dichloropropane
 Concen: 19.24 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

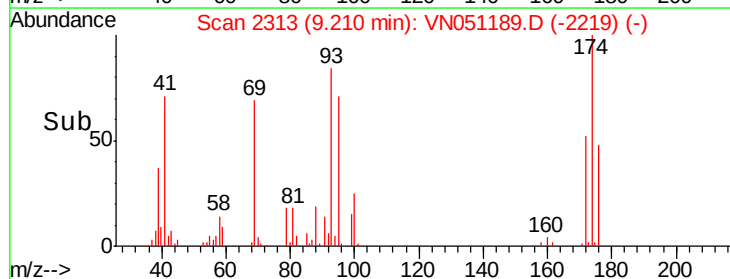
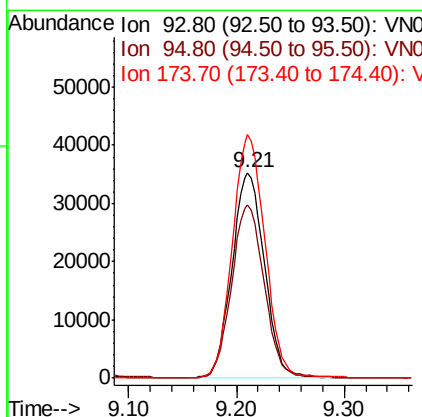
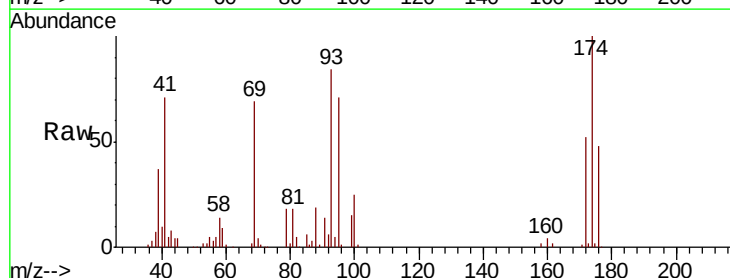
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

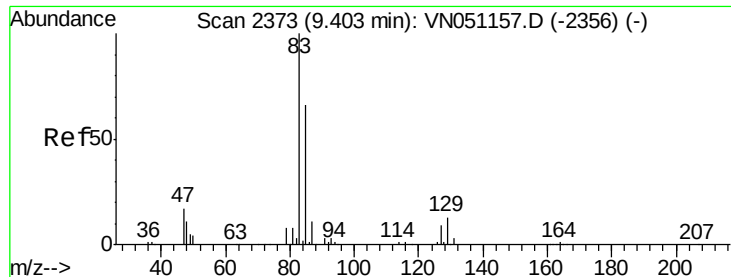
Tot Ion: 63 Resp: 129579
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.7 37.1



#46
 Dibromomethane
 Concen: 18.03 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

Tgt Ion: 93 Resp: 74096
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.8 100.2
 174 118.6 93.3 139.9

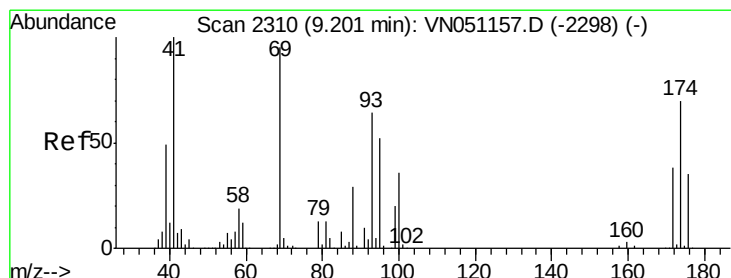
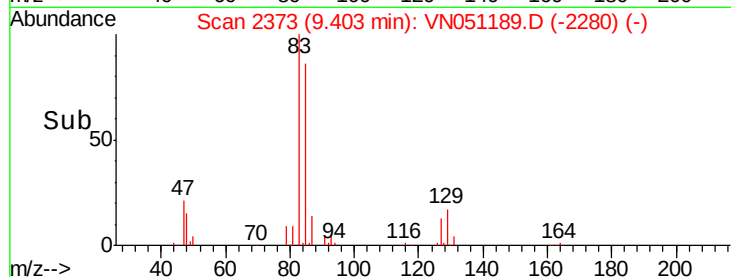
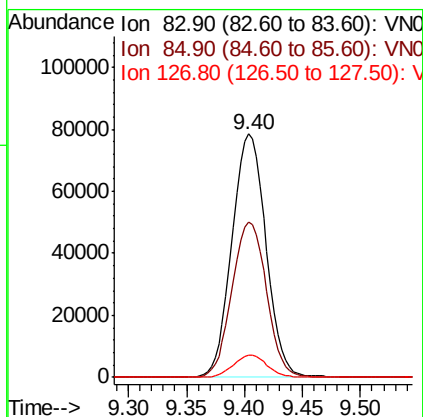
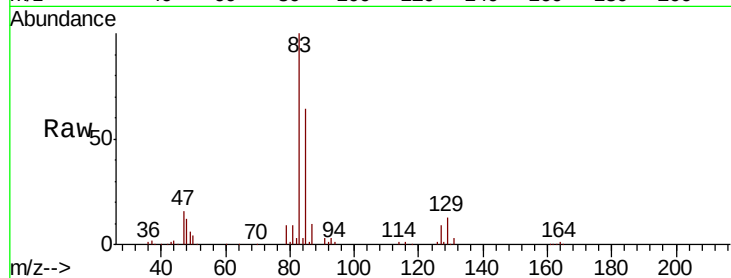




#47
Bromodichloromethane
Concen: 19.15 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

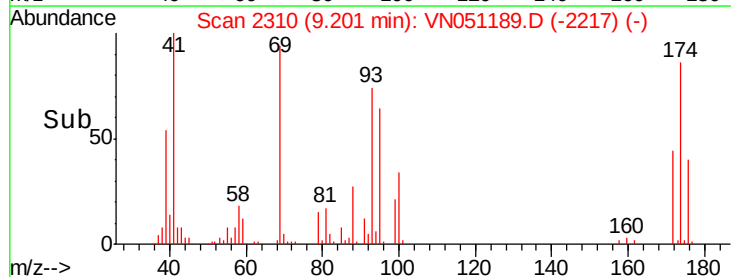
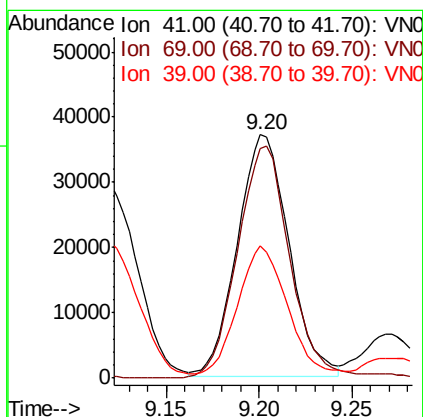
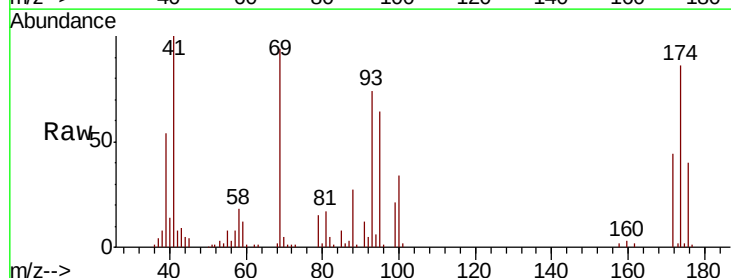
Instrument :
MSVOA_N
ClientSampled :
VN0914WBSD02

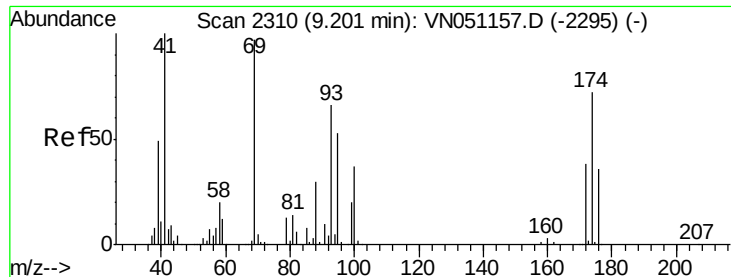
Tot Ion: 83 Resp: 159983
Ion Ratio Lower Upper
83 100
85 64.0 52.3 78.5
127 9.2 7.5 11.3



#48
Methyl methacrylate
Concen: 16.66 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

Tgt Ion: 41 Resp: 71765
Ion Ratio Lower Upper
41 100
69 96.8 77.7 116.5
39 53.3 41.6 62.4





#49

1,4-Dioxane

Concen: 302.34 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

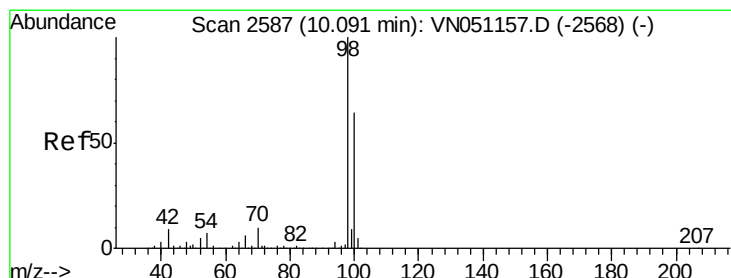
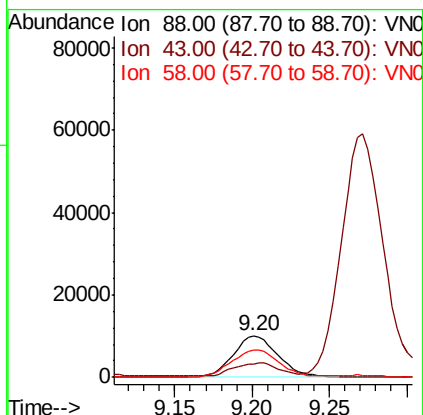
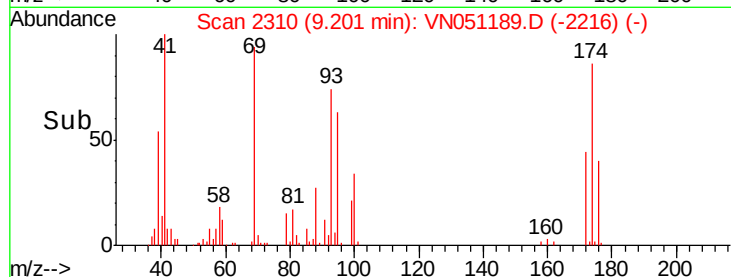
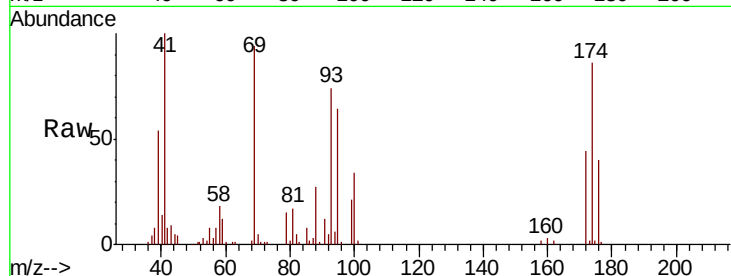
Tot Ion: 88 Resp: 20420

Ion Ratio Lower Upper

88 100

43 30.0 23.7 35.5

58 70.9 54.6 82.0



#50

Toluene-d8

Concen: 49.47 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051189.D

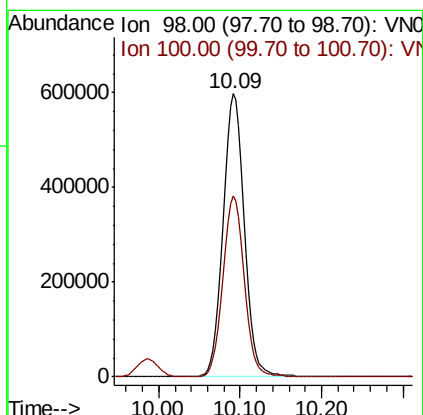
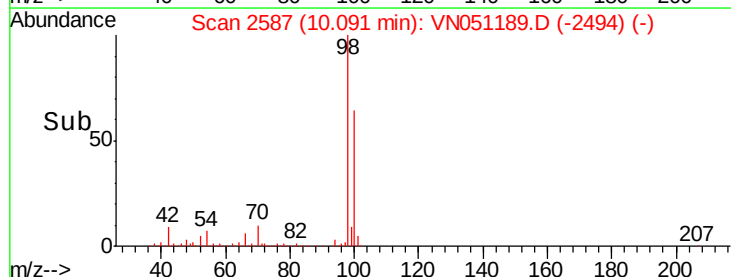
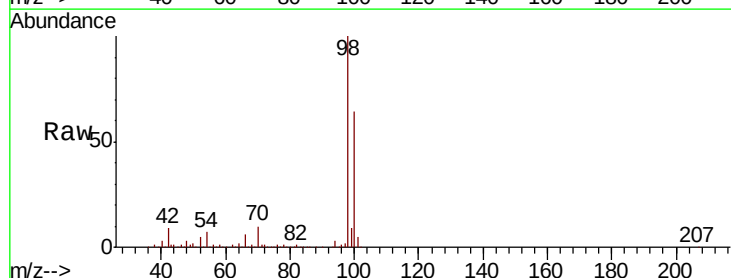
Acq: 14 Sep 2018 14:47

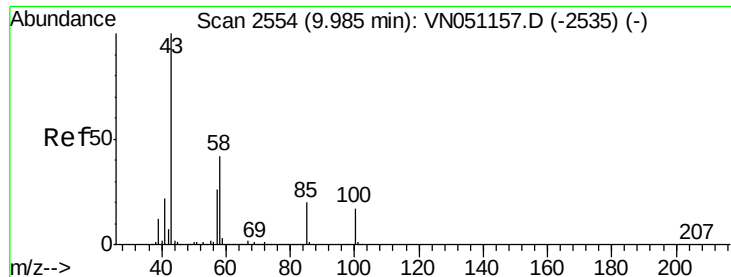
Tgt Ion: 98 Resp: 1111098

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0

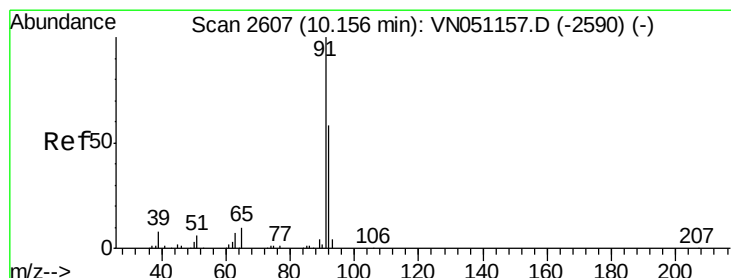
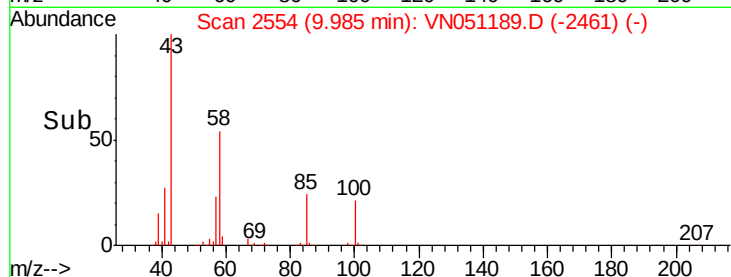
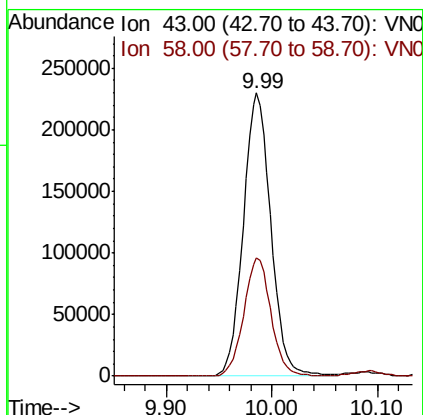
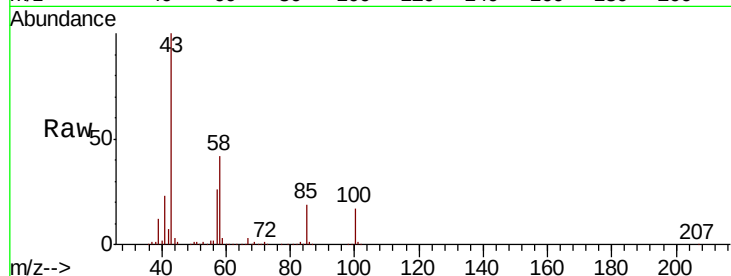




#51
 4-Methyl-2-Pentanone
 Concen: 85.06 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

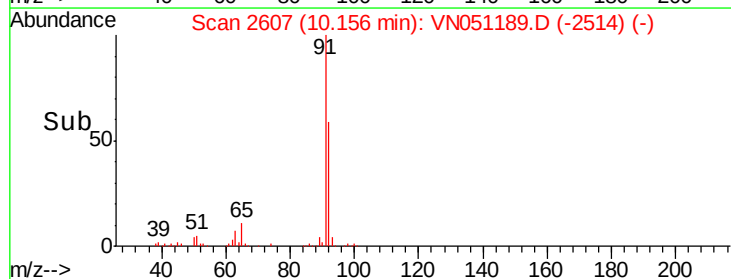
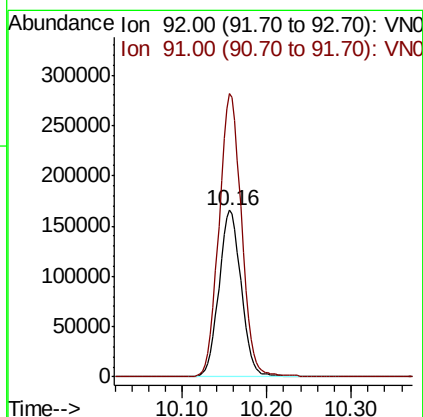
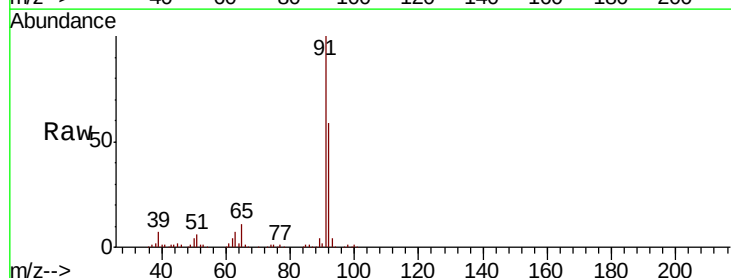
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

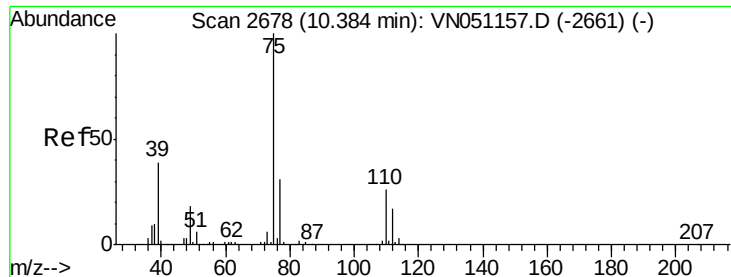
Tot Ion: 43 Resp: 415730
 Ion Ratio Lower Upper
 43 100
 58 41.5 33.5 50.3



#52
 Toluene
 Concen: 19.11 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

Tgt Ion: 92 Resp: 303702
 Ion Ratio Lower Upper
 92 100
 91 172.0 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 17.62 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

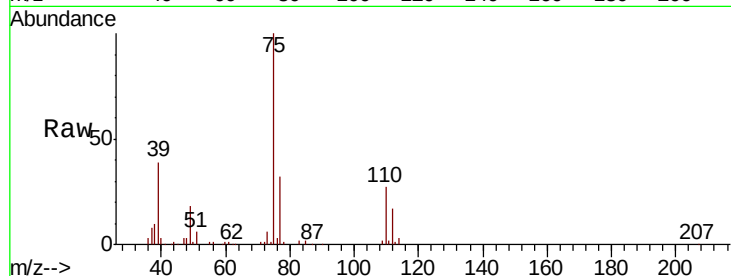
VN0914WBSD02

Tot Ion: 75 Resp: 147321

Ion Ratio Lower Upper

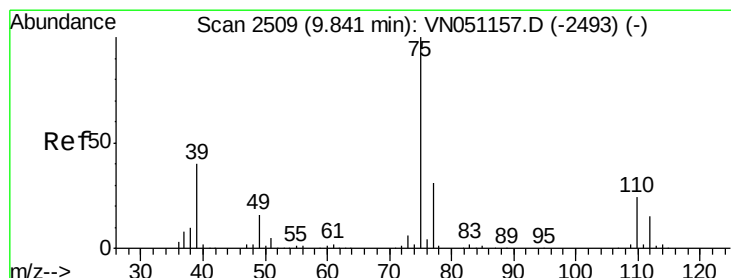
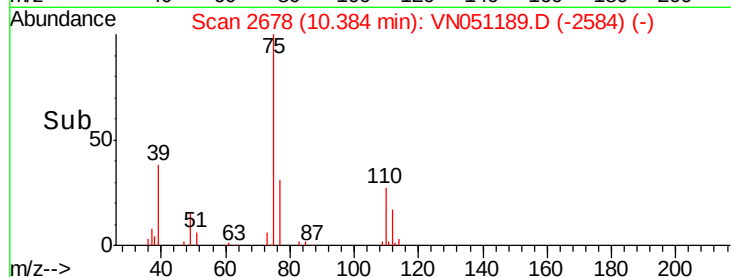
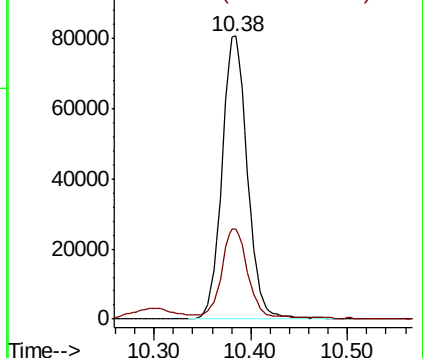
75 100

77 31.4 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.34 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

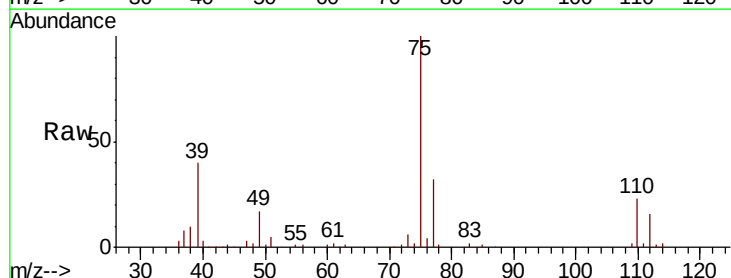
Tgt Ion: 75 Resp: 179784

Ion Ratio Lower Upper

75 100

77 31.8 25.7 38.5

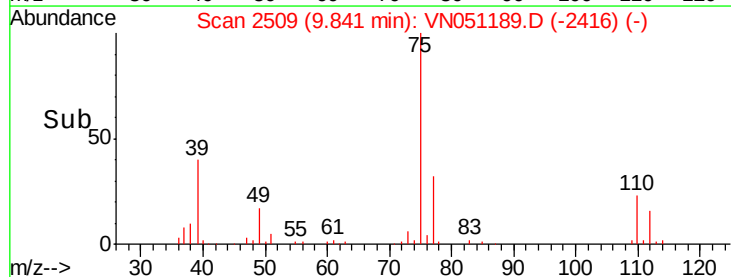
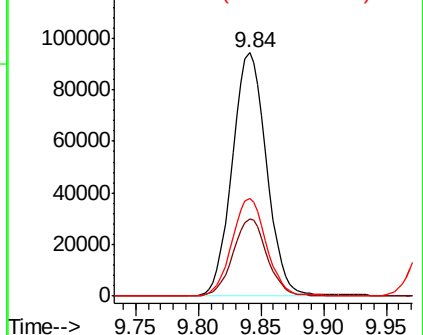
39 40.3 31.9 47.9

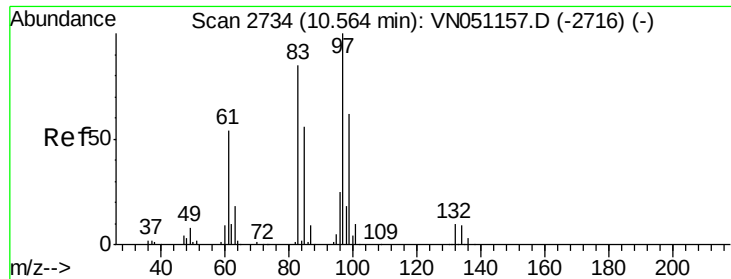


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

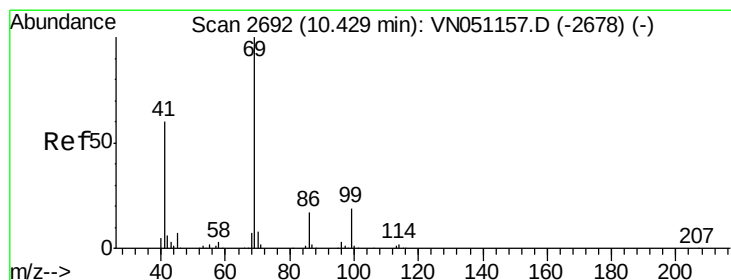
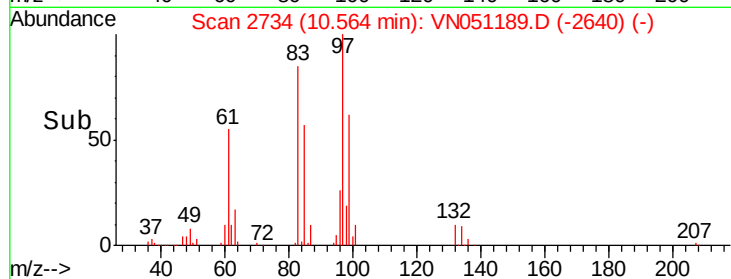
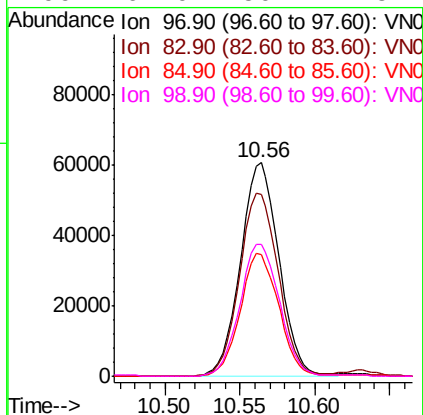
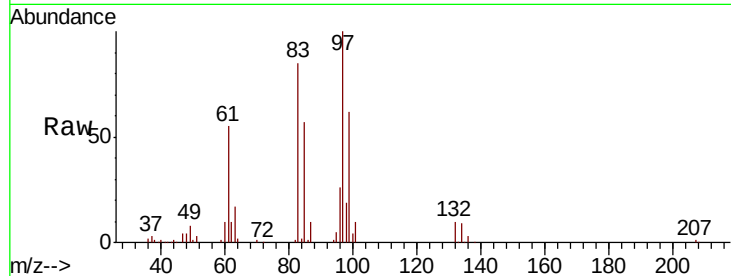




#55
 1,1,2-Trichloroethane
 Concen: 18.87 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

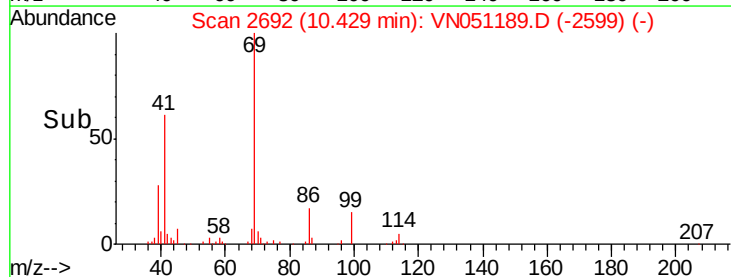
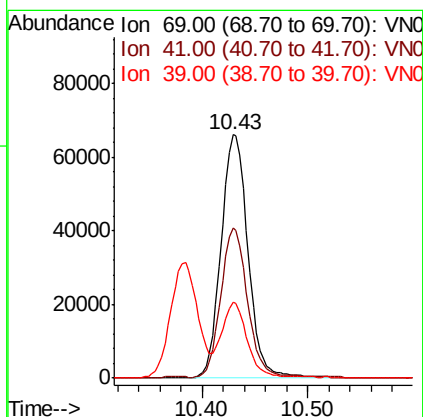
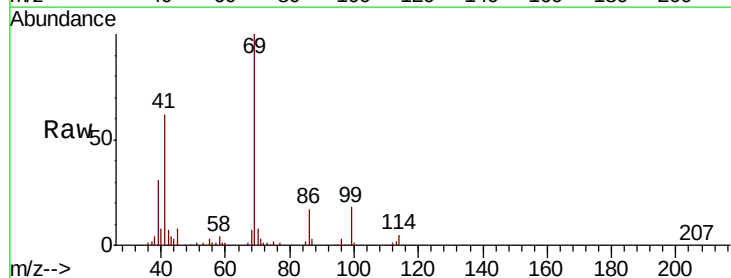
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

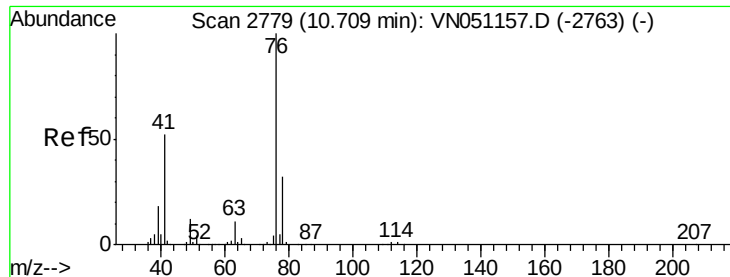
Tot Ion:	97	Resp:	108930
Ion	Ratio	Lower	Upper
97	100		
83	85.4	68.2	102.2
85	56.9	44.8	67.2
99	62.0	50.2	75.4



#56
 Ethyl methacrylate
 Concen: 16.82 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

Tgt Ion:	69	Resp:	117022
Ion	Ratio	Lower	Upper
69	100		
41	59.7	47.8	71.8
39	29.2	23.0	34.4





#57

1,3-Dichloropropane

Concen: 18.63 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampled :

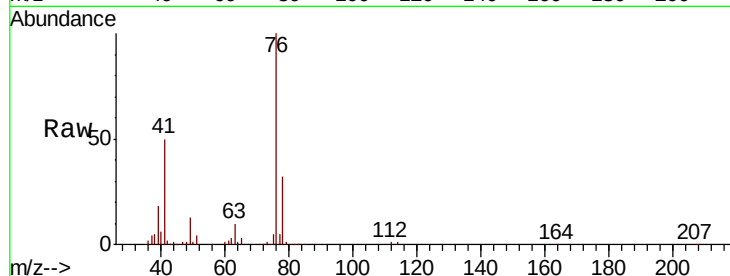
VN0914WBSD02

Tot Ion: 76 Resp: 178293

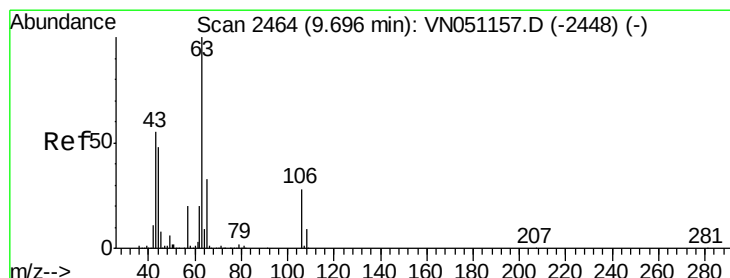
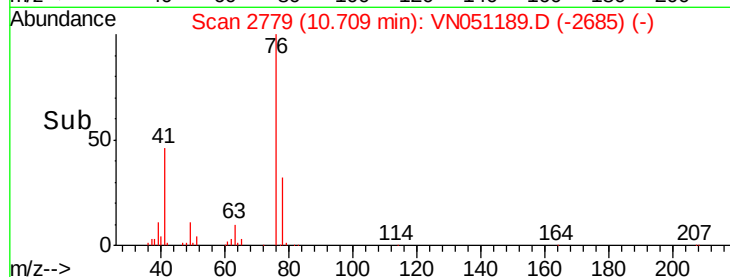
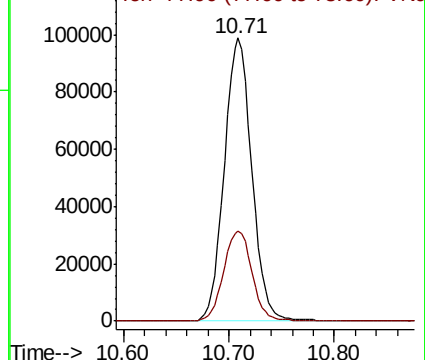
Ion Ratio Lower Upper

76 100

78 32.6 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VN0
Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 83.38 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051189.D

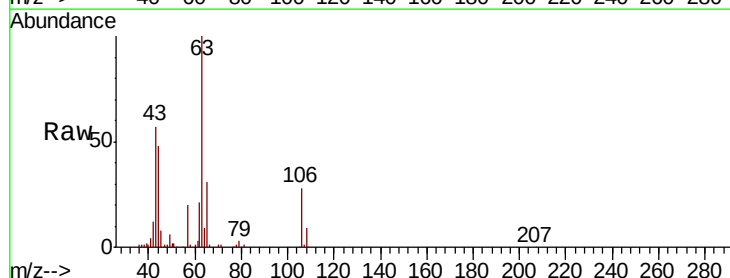
Acq: 14 Sep 2018 14:47

Tgt Ion: 63 Resp: 236339

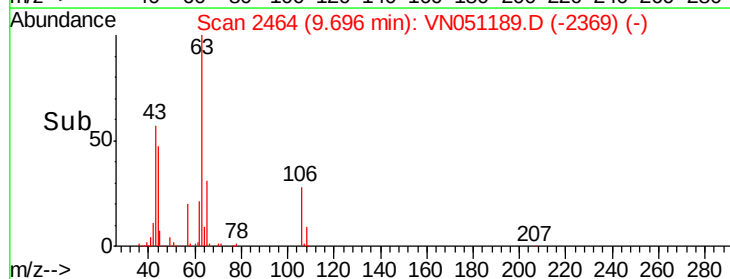
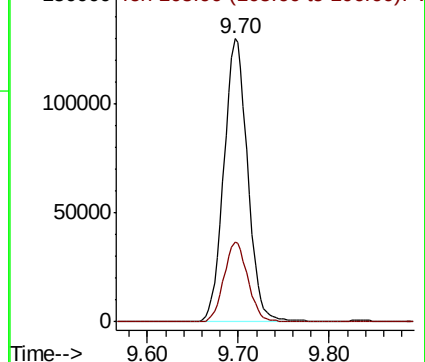
Ion Ratio Lower Upper

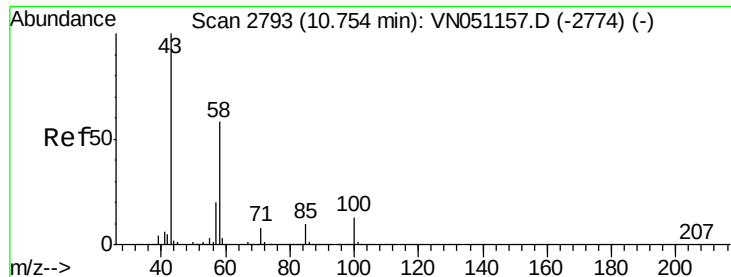
63 100

106 28.4 22.5 33.7



Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 105.90 (105.60 to 106.60): V

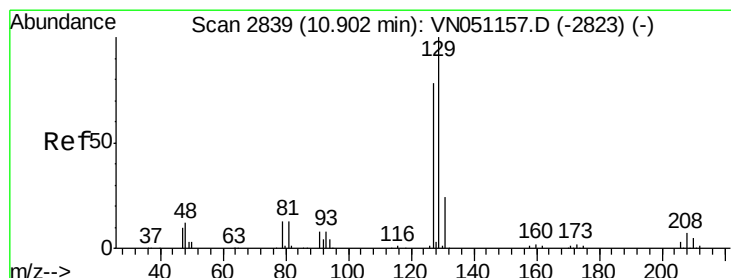
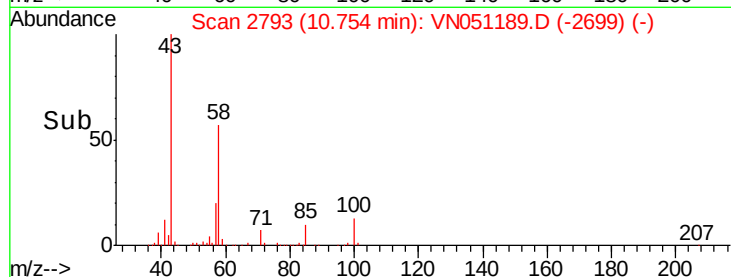
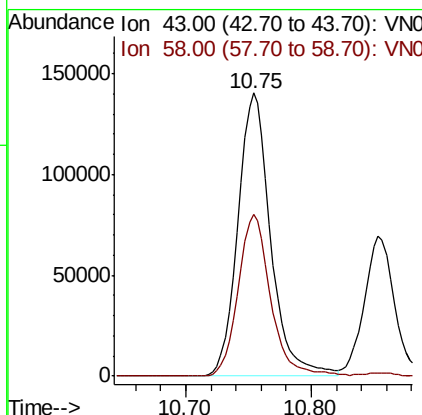
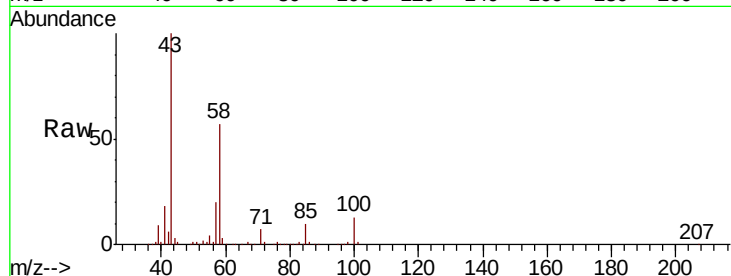




#59
2-Hexanone
Concen: 76.88 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

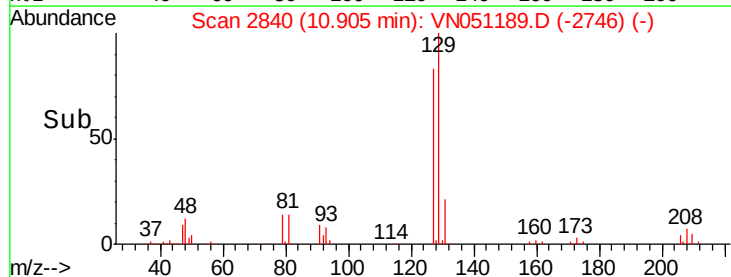
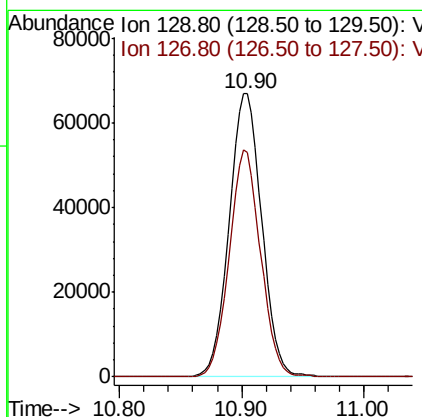
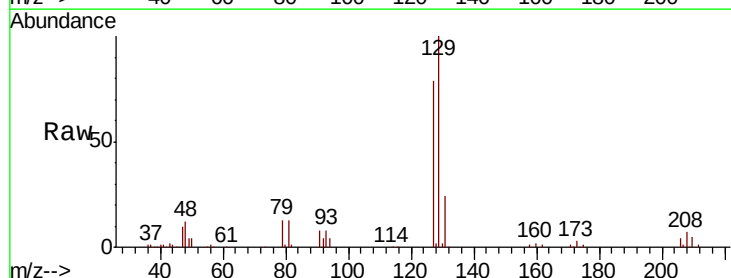
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

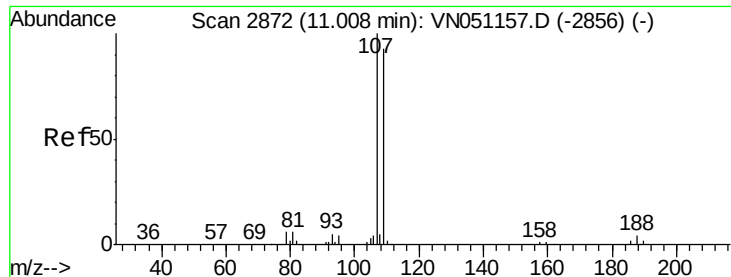
Tot Ion: 43 Resp: 254840
Ion Ratio Lower Upper
43 100
58 56.5 29.3 88.0



#60
Dibromochloromethane
Concen: 19.08 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

Tgt Ion: 129 Resp: 124139
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5





#61

1,2-Dibromoethane

Concen: 18.04 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

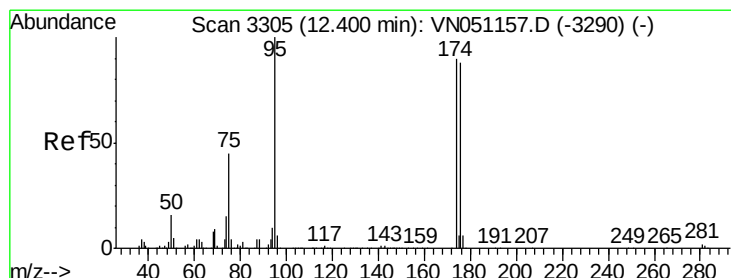
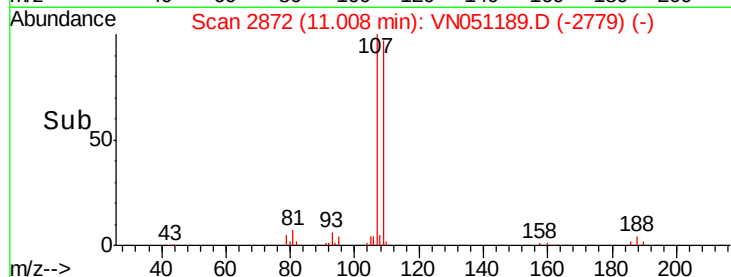
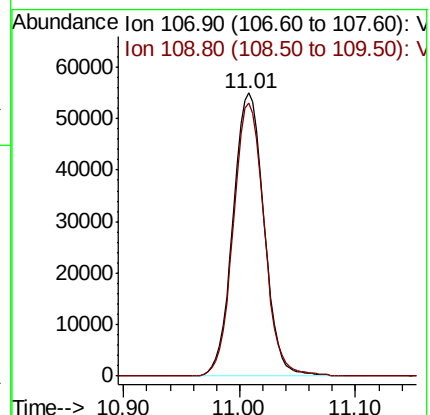
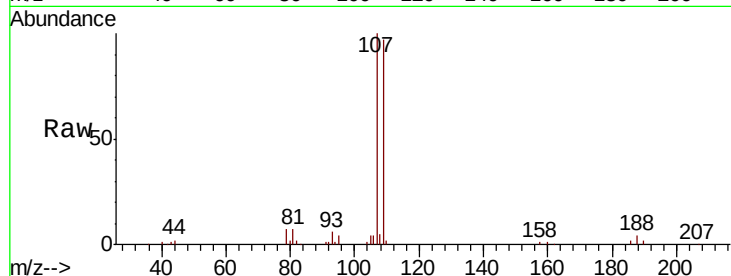
VN0914WBSD02

Tot Ion:107 Resp: 101813

Ion Ratio Lower Upper

107 100

109 96.0 76.0 114.0



#62

4-Bromofluorobenzene

Concen: 46.44 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

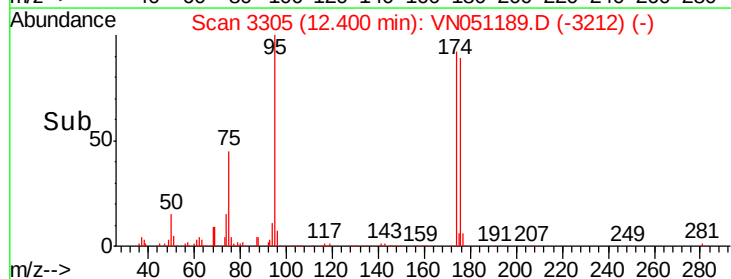
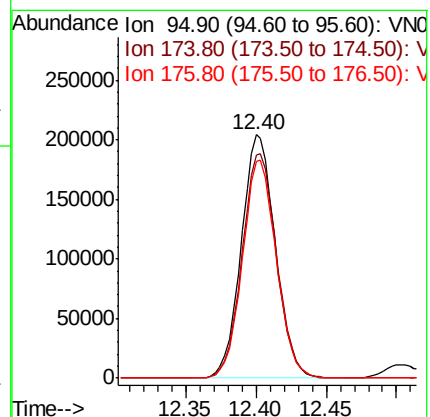
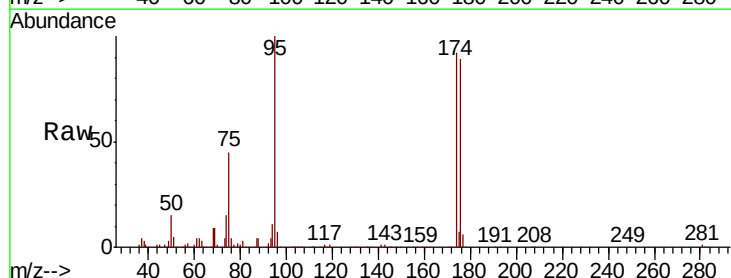
Tgt Ion: 95 Resp: 345043

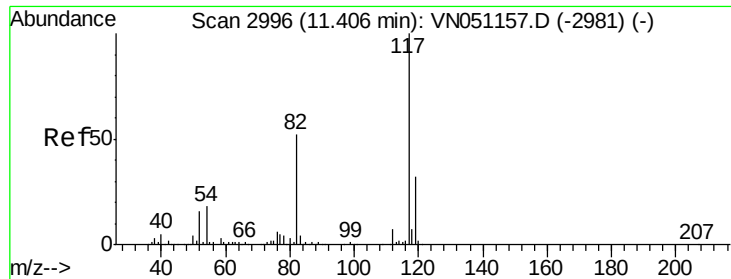
Ion Ratio Lower Upper

95 100

174 93.6 0.0 184.8

176 89.2 0.0 178.6

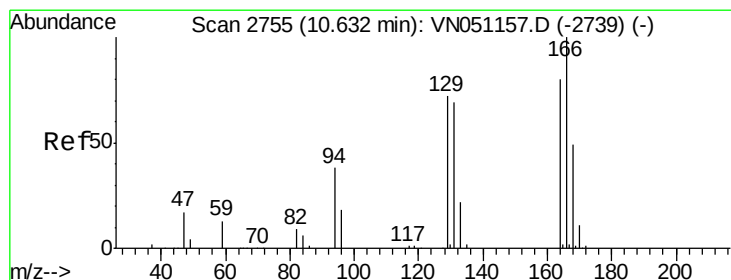
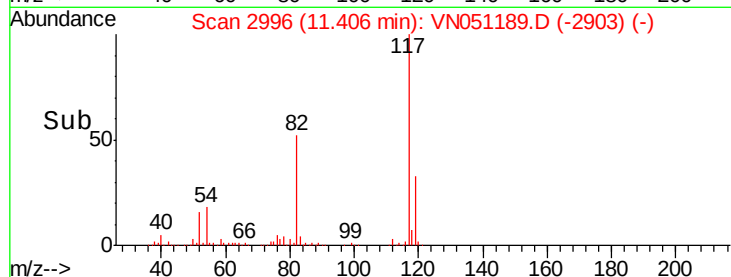
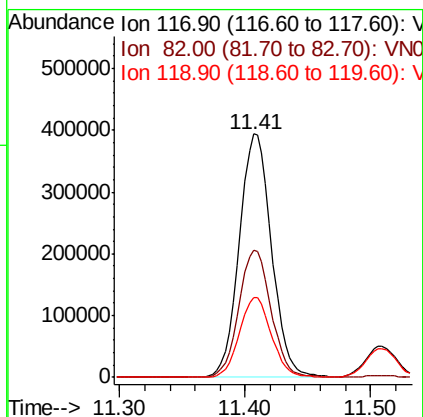
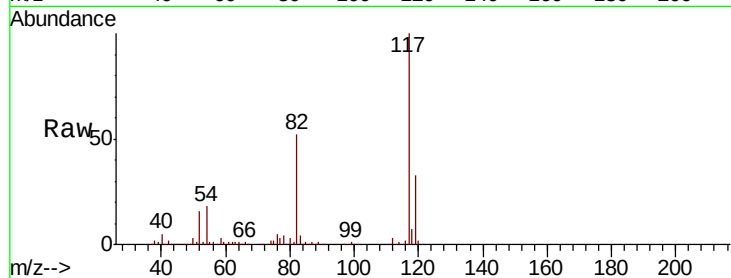




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

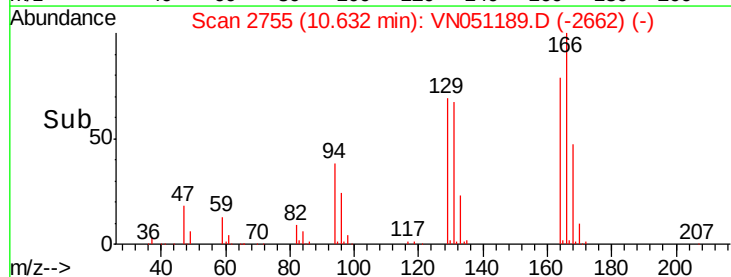
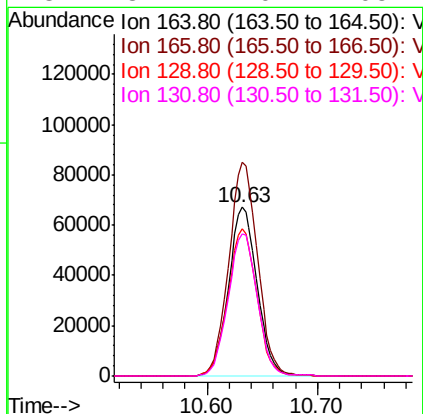
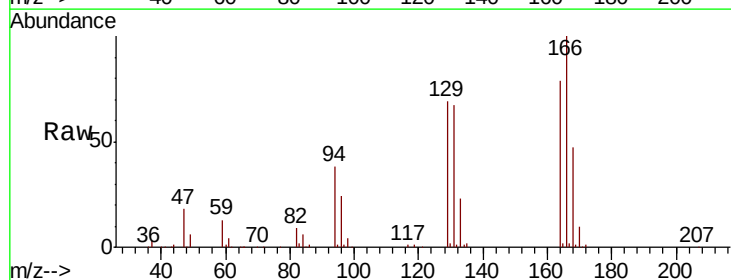
Instrument :
MSVOA_N
ClientSampled :
VN0914WBSD02

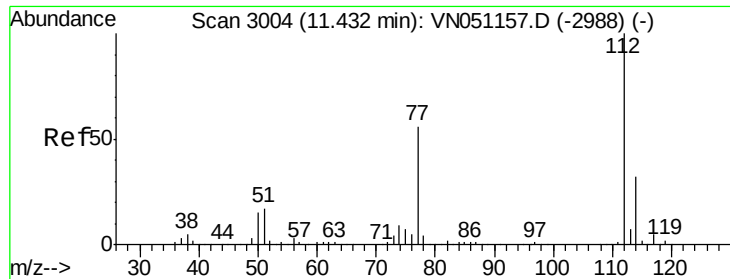
Tot Ion:117 Resp: 704820
Ion Ratio Lower Upper
117 100
82 52.5 41.8 62.6
119 33.0 26.2 39.2



#64
Tetrachloroethene
Concen: 18.80 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

Tgt Ion:164 Resp: 120912
Ion Ratio Lower Upper
164 100
166 126.7 101.3 151.9
129 87.2 72.2 108.2
131 84.7 70.2 105.2

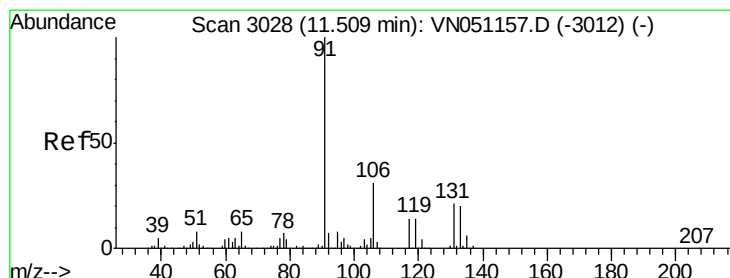
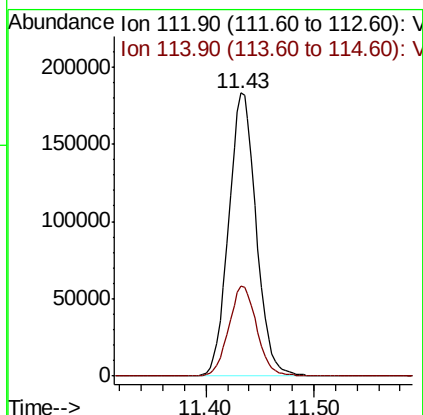
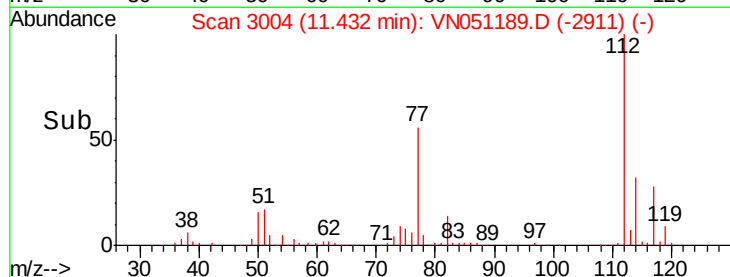
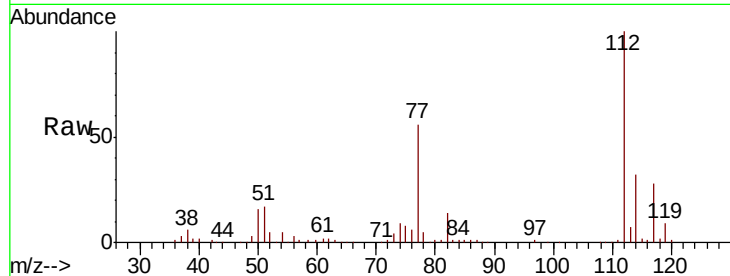




#65
Chlorobenzene
Concen: 18.32 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

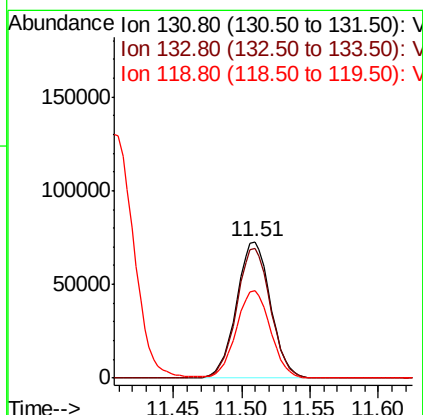
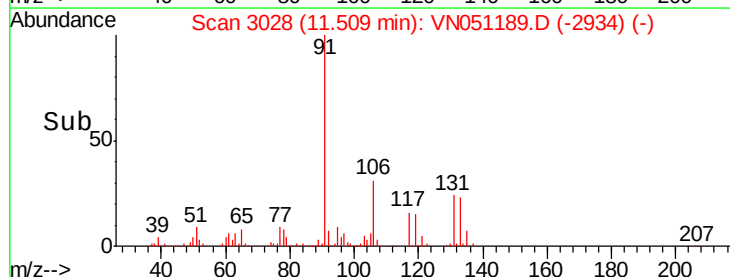
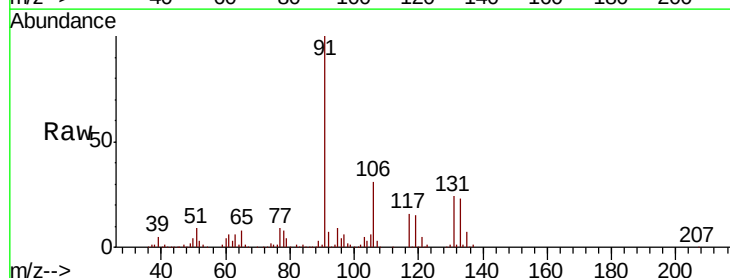
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

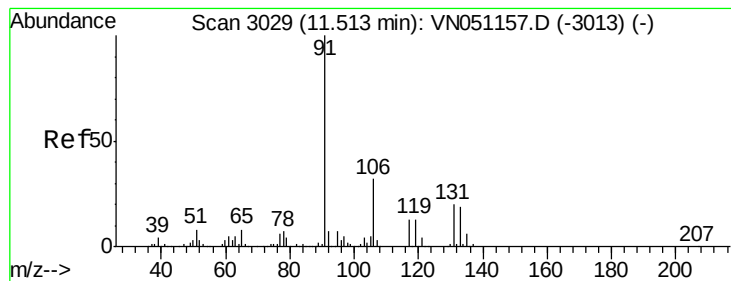
Tot Ion:112 Resp: 325543
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.68 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

Tgt Ion:131 Resp: 125874
Ion Ratio Lower Upper
131 100
133 95.2 47.5 142.6
119 64.7 33.2 99.6





#67

Ethyl Benzene

Concen: 18.09 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

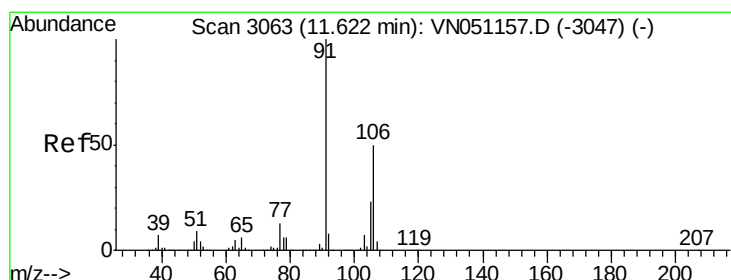
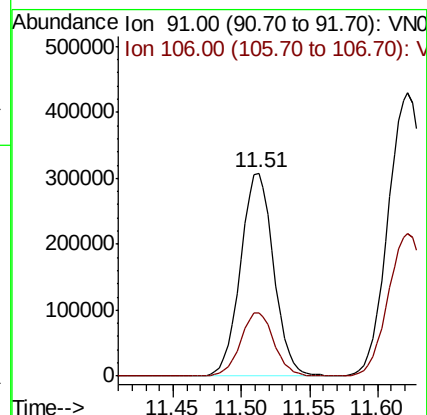
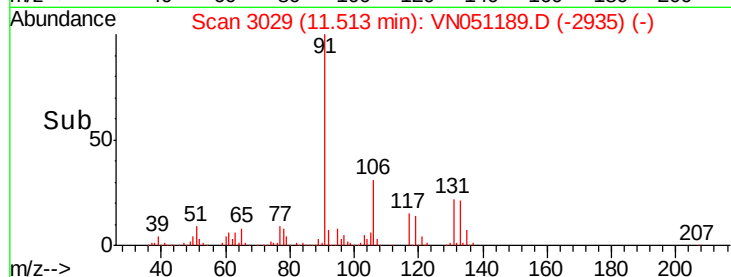
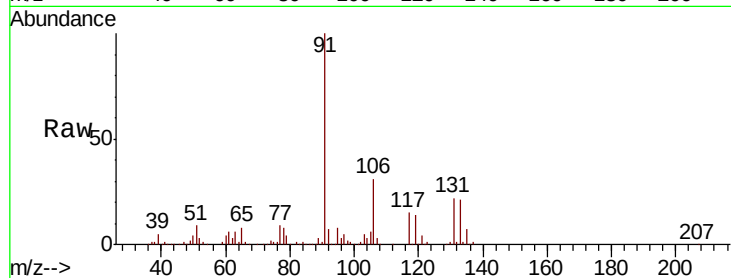
VN0914WBSD02

Tot Ion: 91 Resp: 520620

Ion Ratio Lower Upper

91 100

106 31.4 25.4 38.2



#68

m/p-Xylenes

Concen: 37.79 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN051189.D

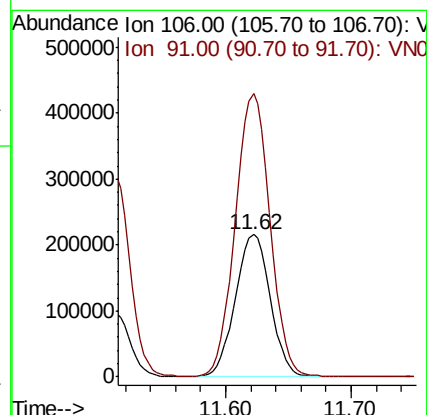
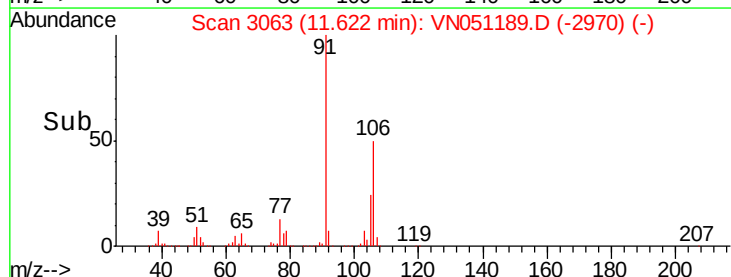
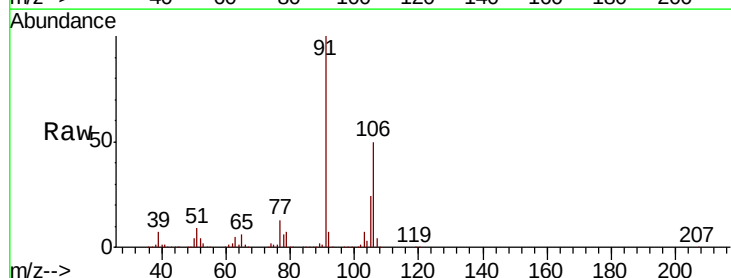
Acq: 14 Sep 2018 14:47

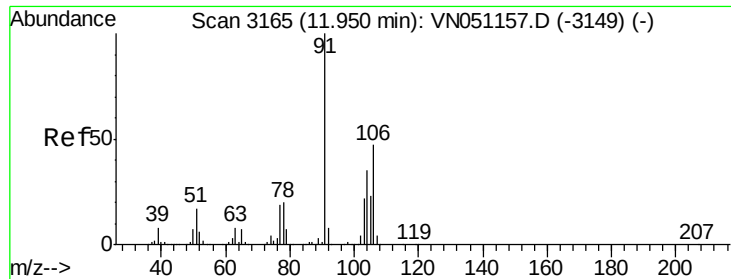
Tgt Ion: 106 Resp: 417811

Ion Ratio Lower Upper

106 100

91 198.0 159.8 239.6

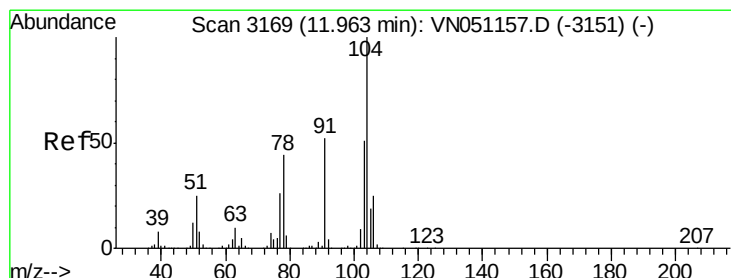
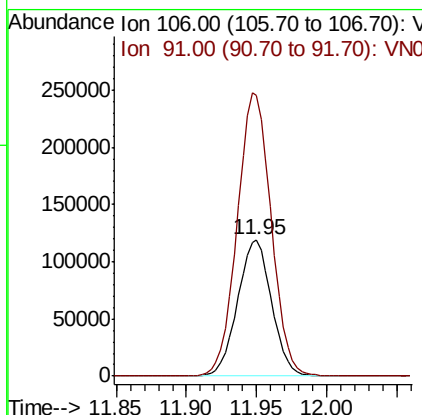
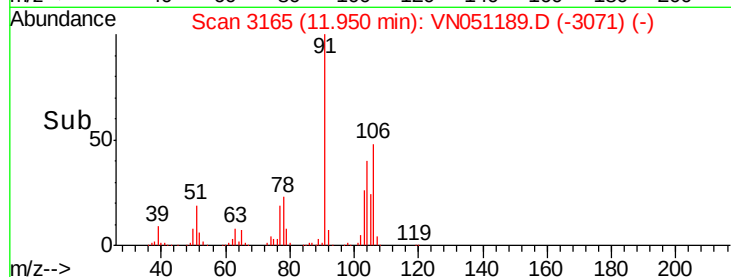
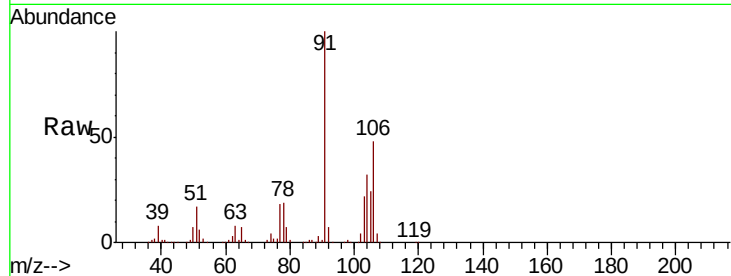




#69
o-Xylene
Concen: 18.71 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

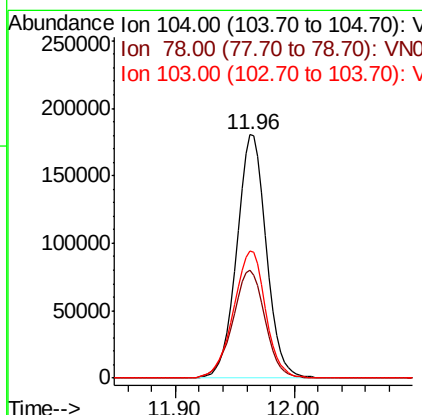
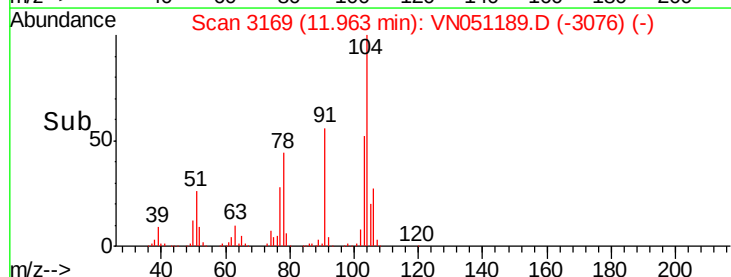
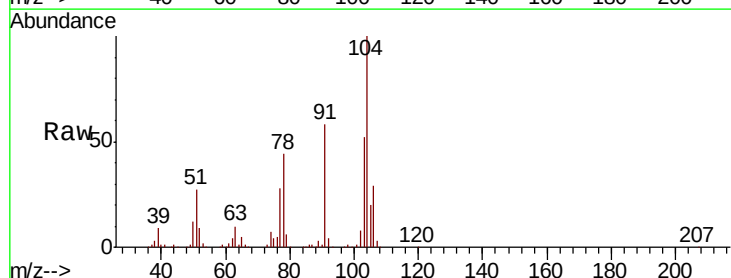
Instrument :
MSVOA_N
ClientSampled :
VN0914WBSD02

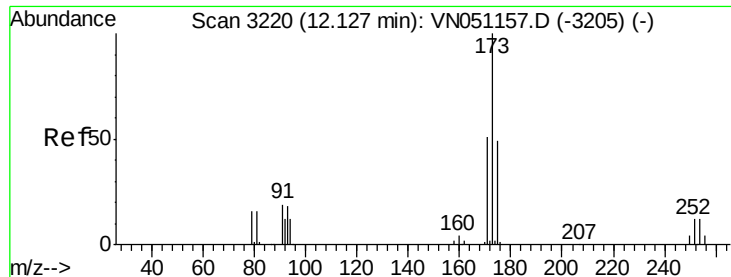
Tot Ion:106 Resp: 200240
Ion Ratio Lower Upper
106 100
91 208.5 105.1 315.1



#70
Styrene
Concen: 18.68 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

Tgt Ion:104 Resp: 310139
Ion Ratio Lower Upper
104 100
78 48.7 37.7 56.5
103 56.9 44.6 67.0





#71

Bromoform

Concen: 18.50 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

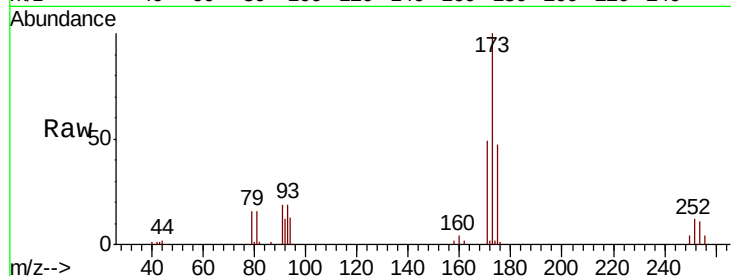
Tot Ion:173 Resp: 83327

Ion Ratio Lower Upper

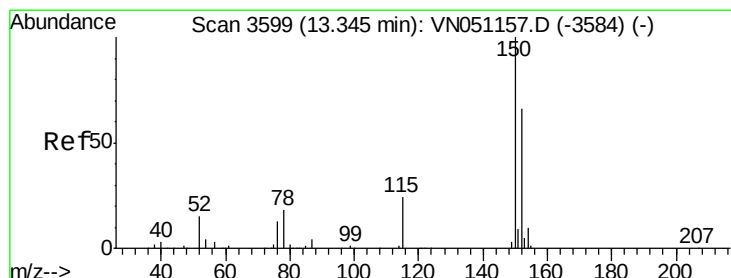
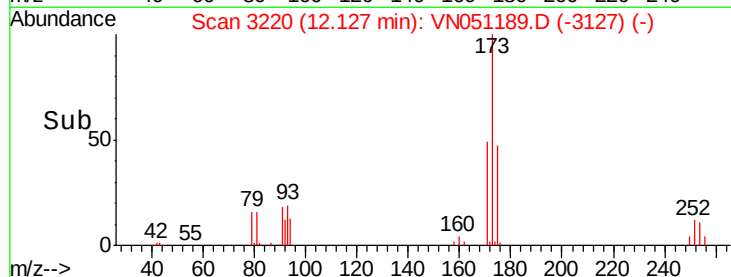
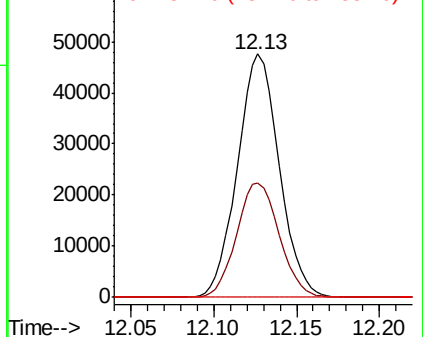
173 100

175 48.0 24.3 72.9

254 0.0 0.0 0.0



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: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

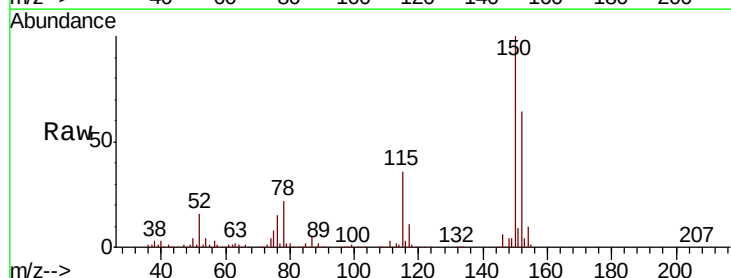
Tgt Ion:152 Resp: 323857

Ion Ratio Lower Upper

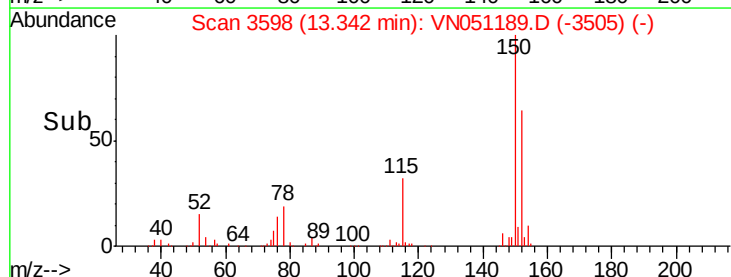
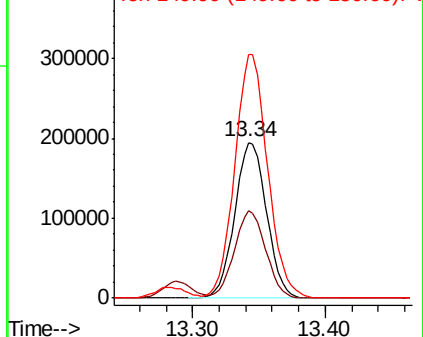
152 100

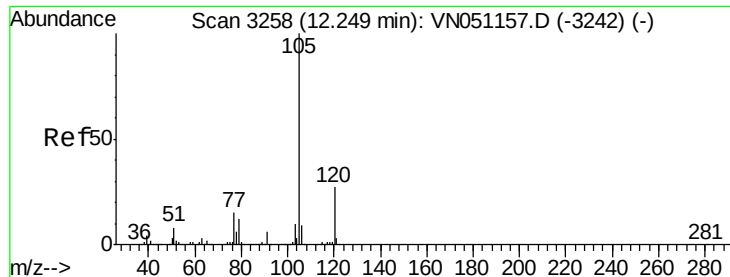
115 55.4 28.2 84.7

150 161.5 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





#73

Isopropylbenzene

Concen: 19.40 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

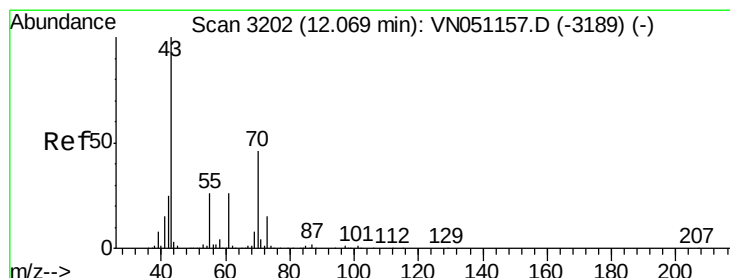
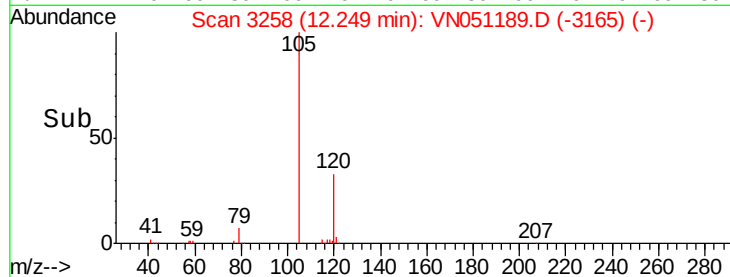
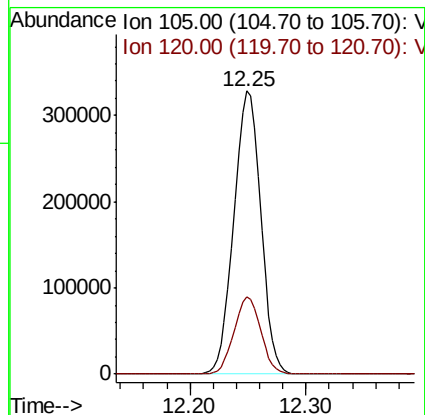
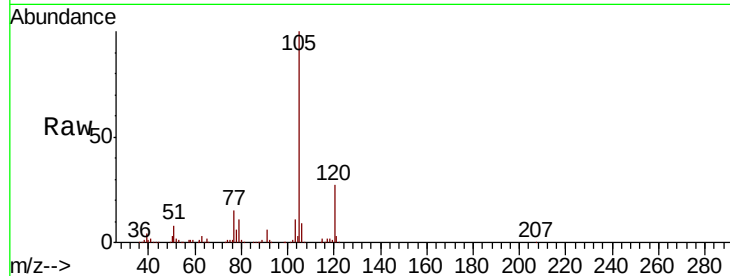
VN0914WBSD02

Tot Ion:105 Resp: 526862

Ion Ratio Lower Upper

105 100

120 26.9 13.6 40.7



#74

N-ethyl acetate

Concen: 15.20 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Tgt Ion: 43 Resp: 103925

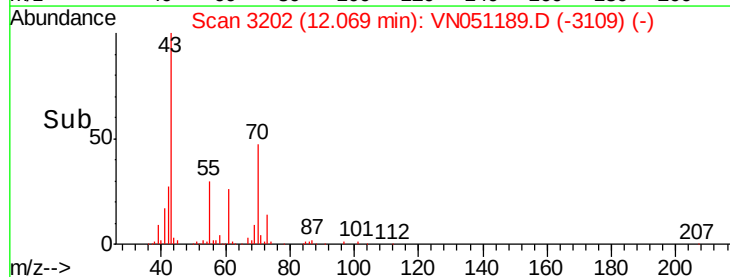
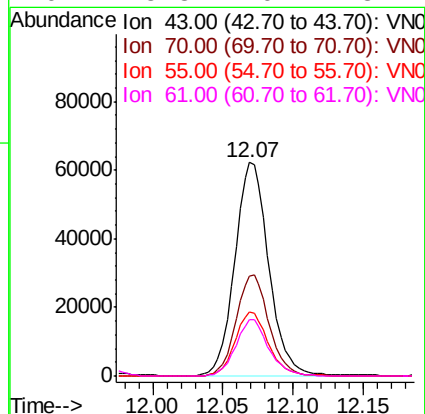
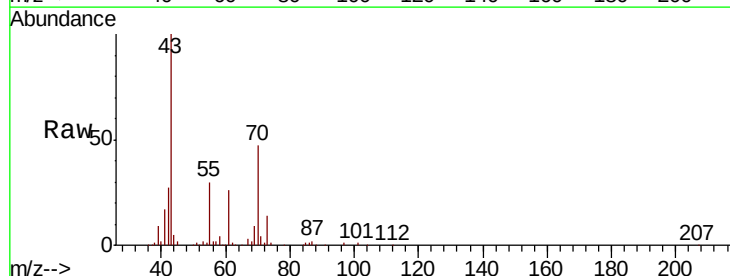
Ion Ratio Lower Upper

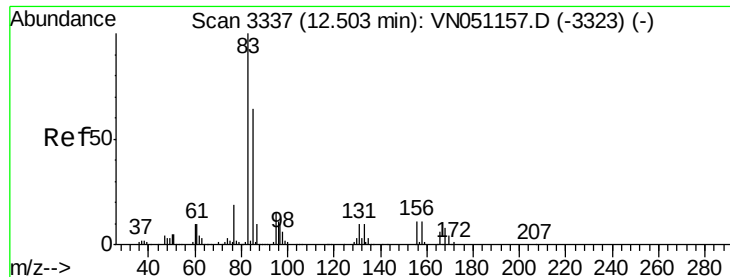
43 100

70 46.4 37.0 55.4

55 29.7 21.3 31.9

61 25.8 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.82 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

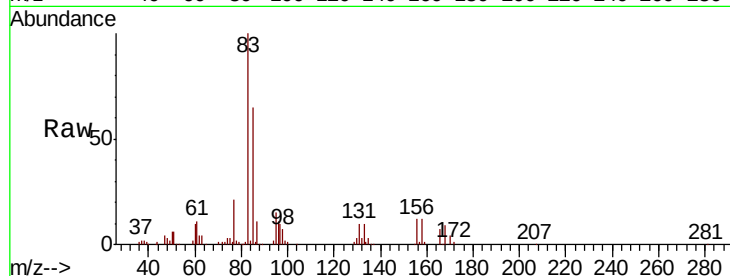
Tot Ion: 83 Resp: 129478

Ion Ratio Lower Upper

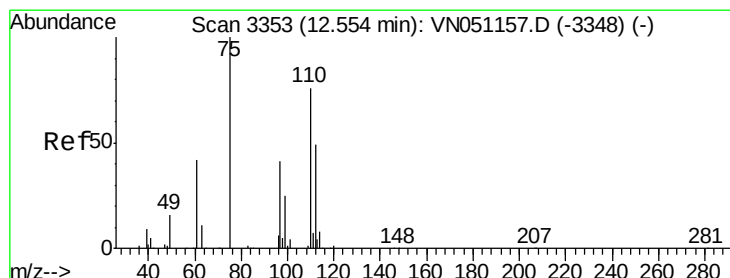
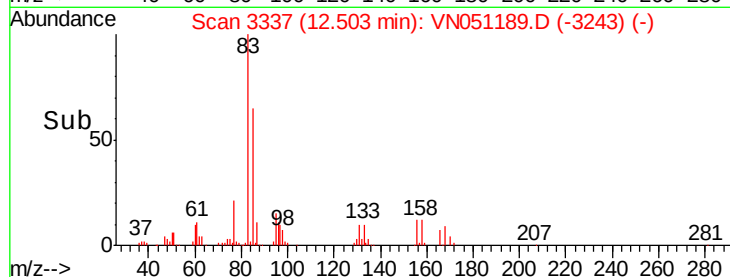
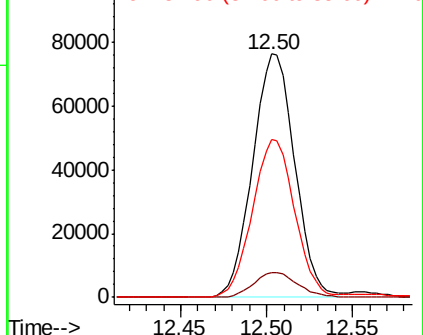
83 100

131 10.6 5.3 16.1

85 64.9 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 28.44 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051189.D

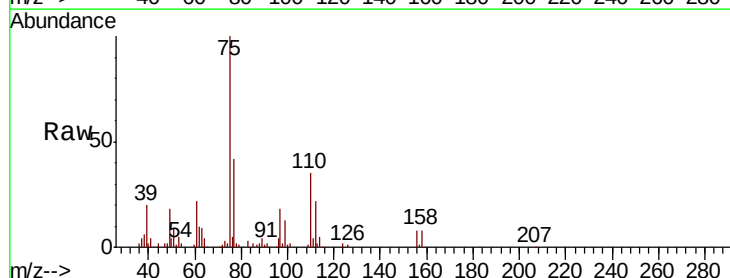
Acq: 14 Sep 2018 14:47

Tgt Ion: 75 Resp: 146005

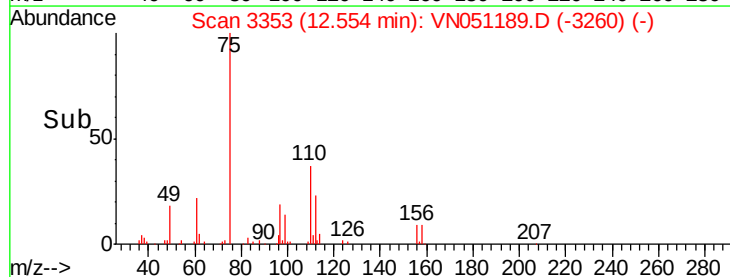
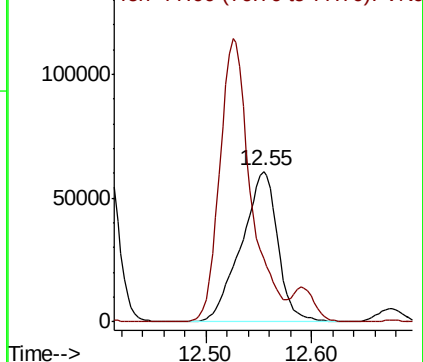
Ion Ratio Lower Upper

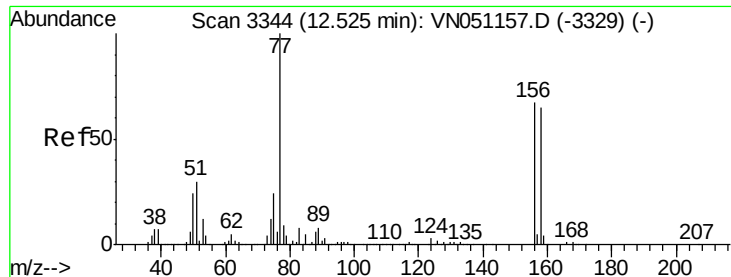
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 18.59 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

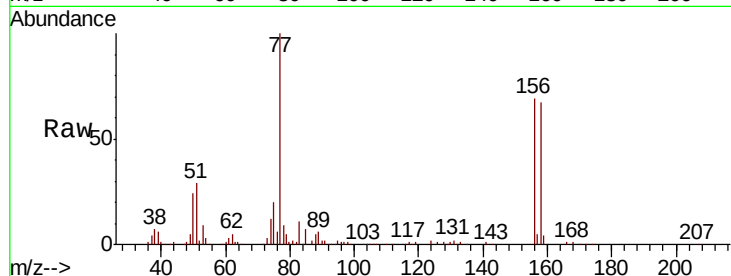
Tot Ion:156 Resp: 135610

Ion Ratio Lower Upper

156 100

77 172.7 87.5 262.6

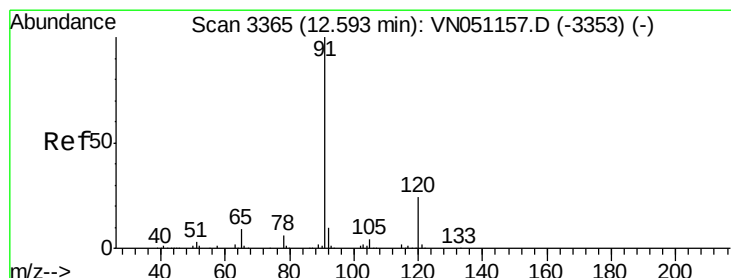
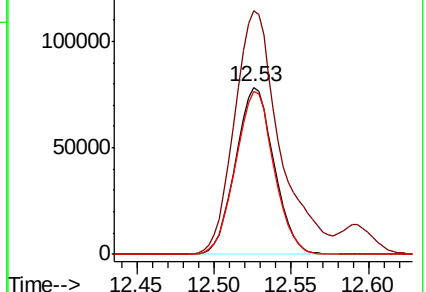
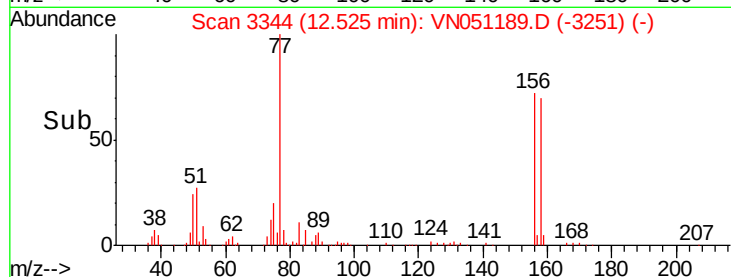
158 97.0 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.08 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051189.D

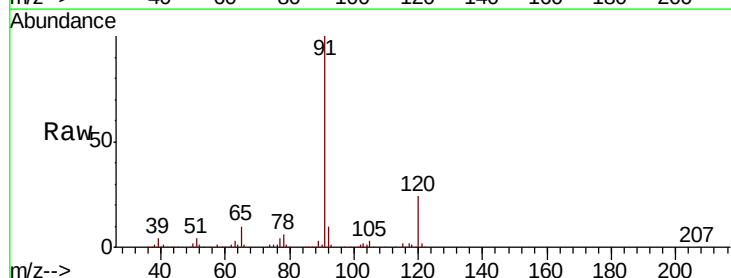
Acq: 14 Sep 2018 14:47

Tgt Ion: 91 Resp: 569448

Ion Ratio Lower Upper

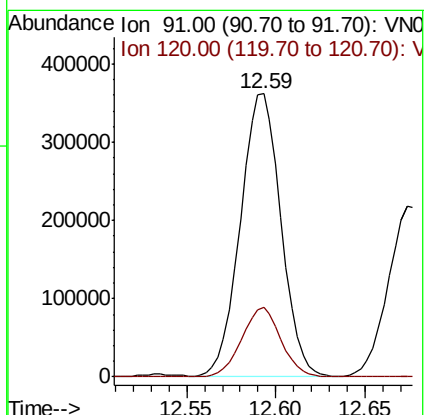
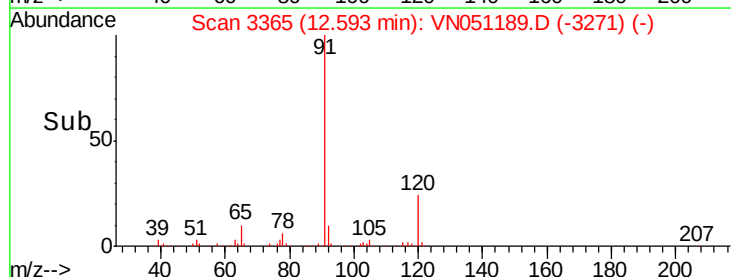
91 100

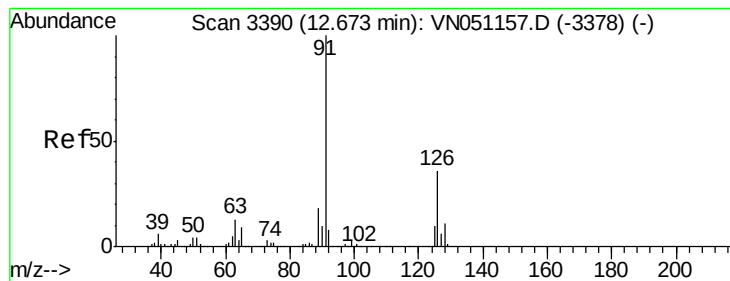
120 23.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.13 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

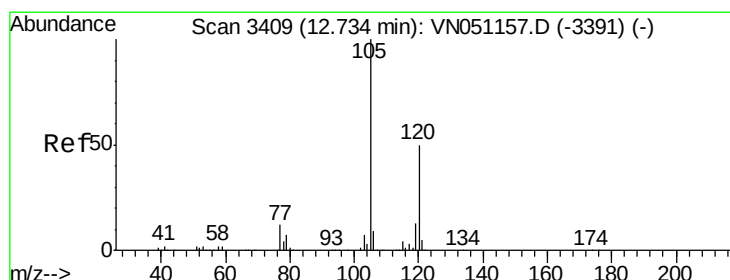
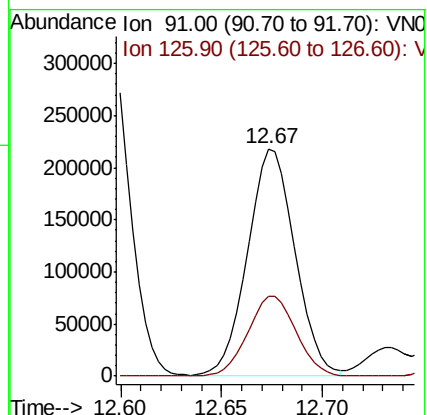
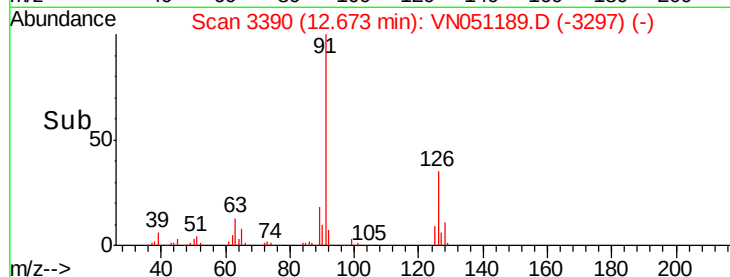
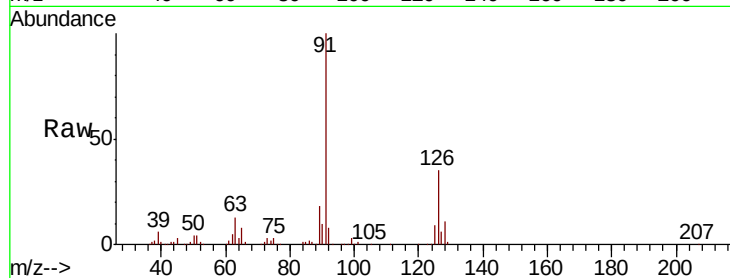
VN0914WBSD02

Tot Ion: 91 Resp: 357030

Ion Ratio Lower Upper

91 100

126 36.1 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 19.53 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051189.D

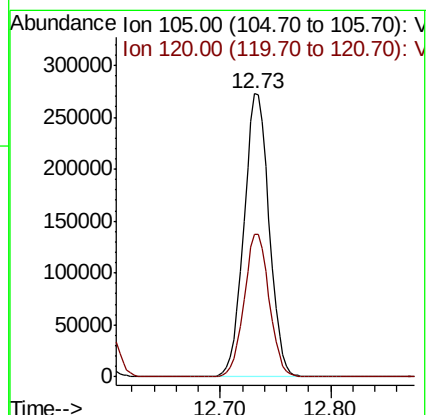
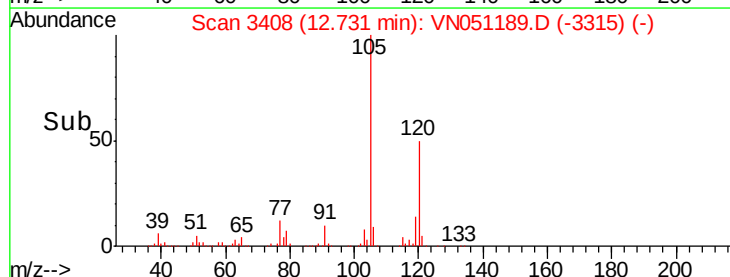
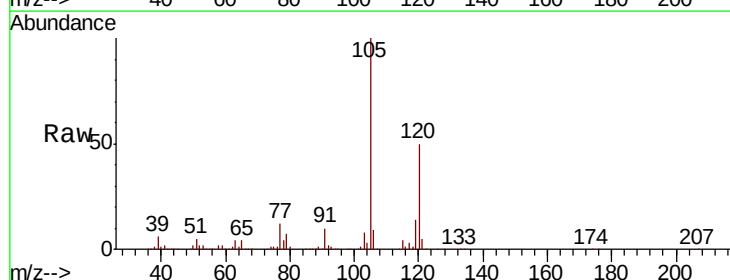
Acq: 14 Sep 2018 14:47

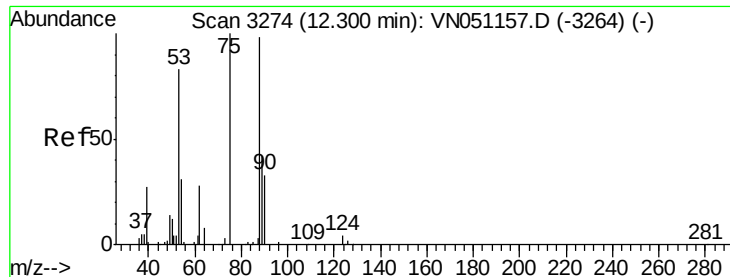
Tgt Ion: 105 Resp: 428760

Ion Ratio Lower Upper

105 100

120 50.3 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 15.51 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

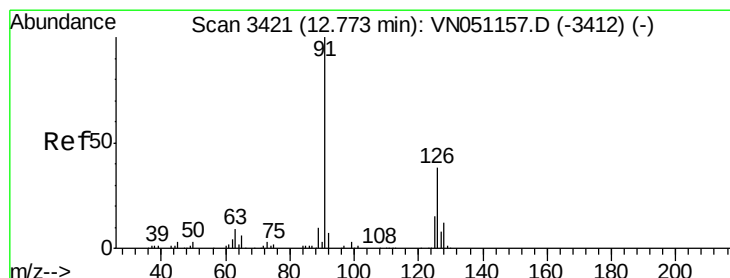
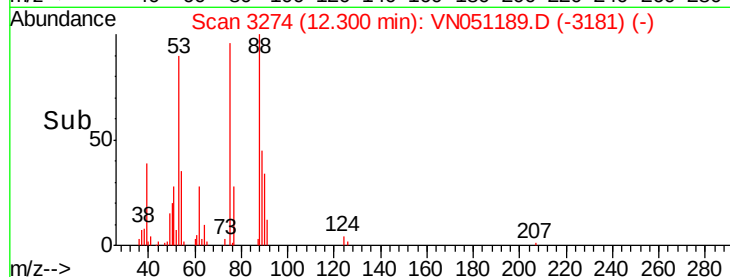
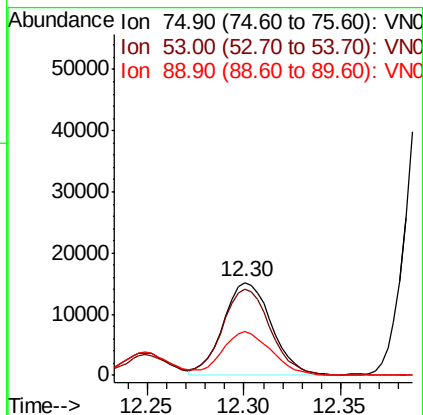
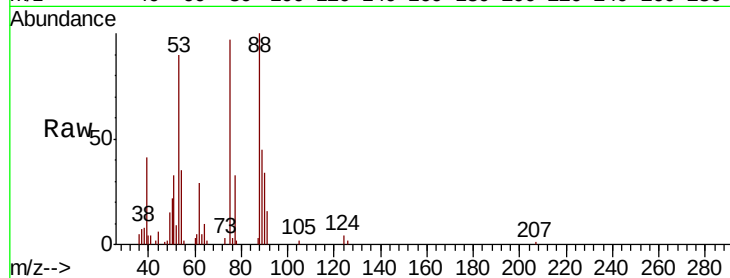
Tot Ion: 75 Resp: 26455

Ion Ratio Lower Upper

75 100

53 92.4 67.8 101.8

89 47.4 36.0 54.0



#82

4-Chlorotoluene

Concen: 18.55 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051189.D

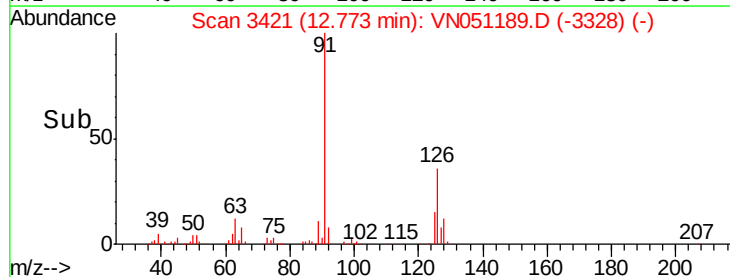
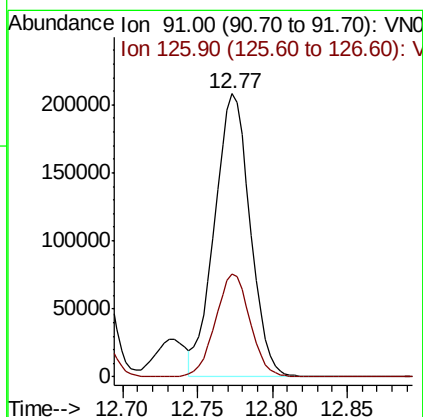
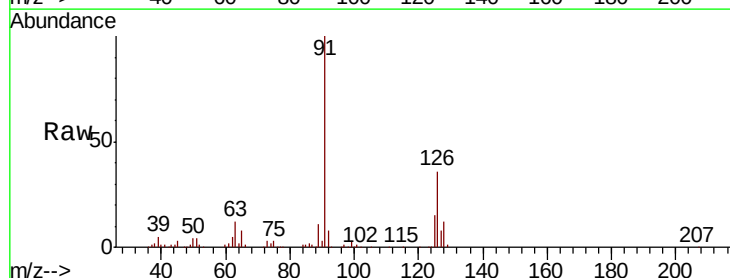
Acq: 14 Sep 2018 14:47

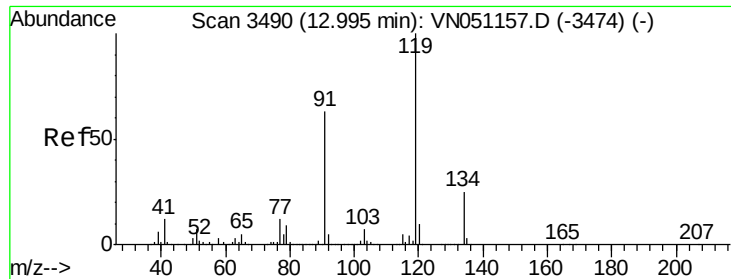
Tgt Ion: 91 Resp: 343653

Ion Ratio Lower Upper

91 100

126 35.4 17.6 52.8

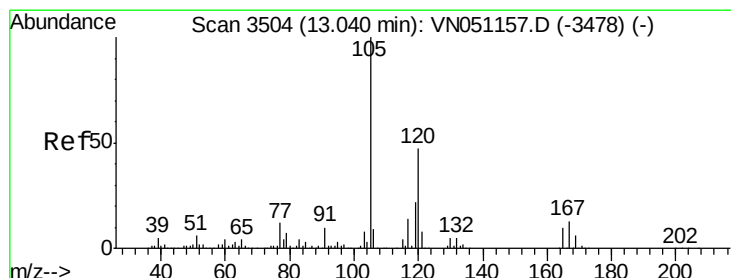
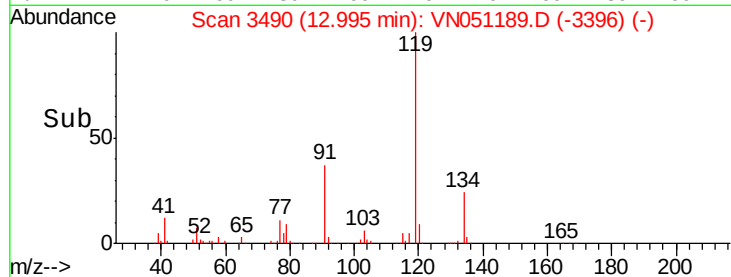
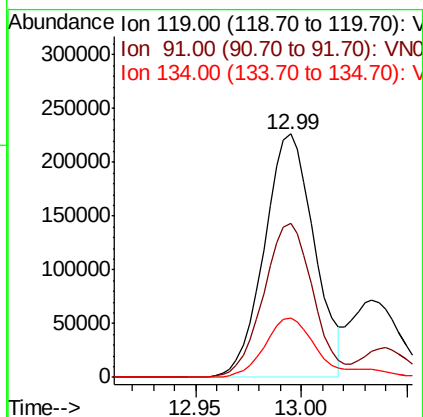
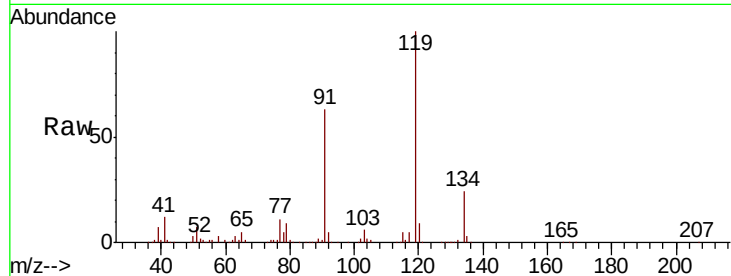




#83
 tert-Butylbenzene
 Concen: 19.22 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

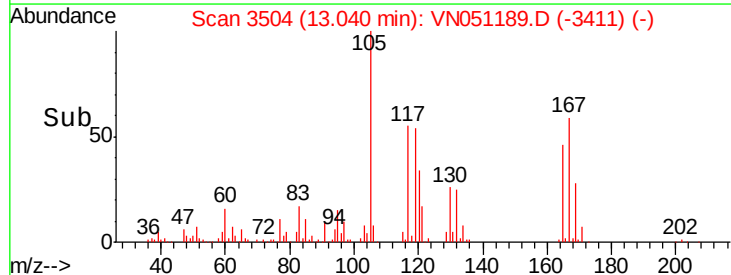
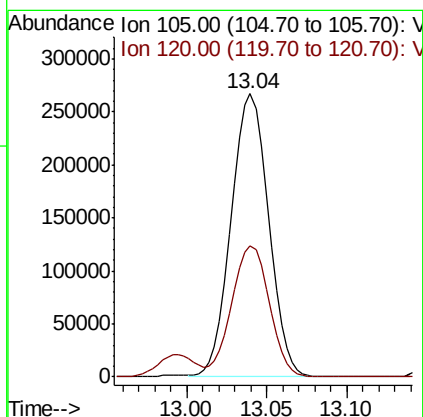
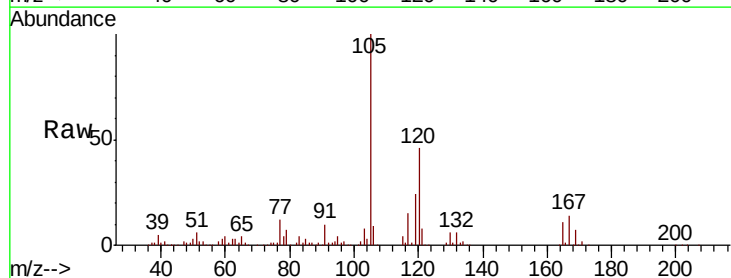
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

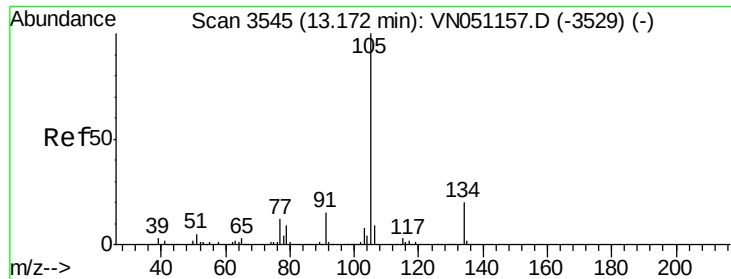
Tot Ion:119 Resp: 372525
 Ion Ratio Lower Upper
 119 100
 91 62.5 30.8 92.3
 134 24.6 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 19.68 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

Tgt Ion:105 Resp: 424913
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.3 69.8





#85

sec-Butylbenzene

Concen: 19.31 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

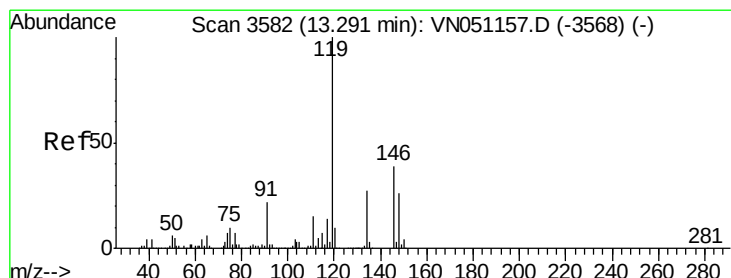
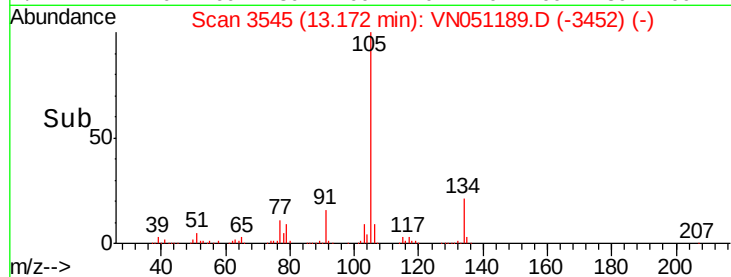
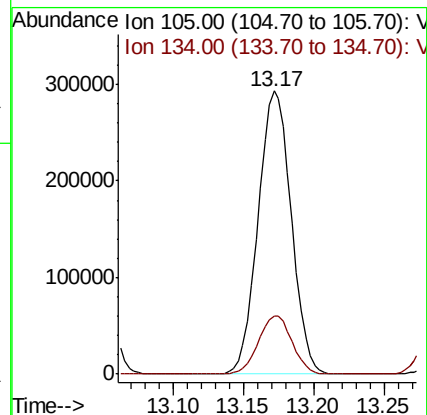
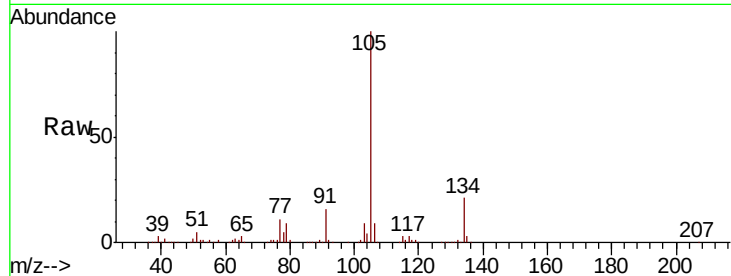
VN0914WBSD02

Tot Ion:105 Resp: 480006

Ion Ratio Lower Upper

105 100

134 20.8 10.4 31.4



#86

p-Isopropyltoluene

Concen: 19.19 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

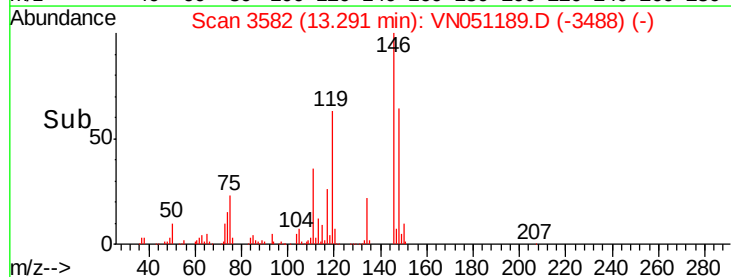
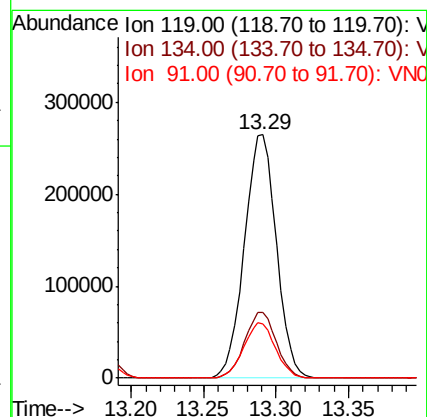
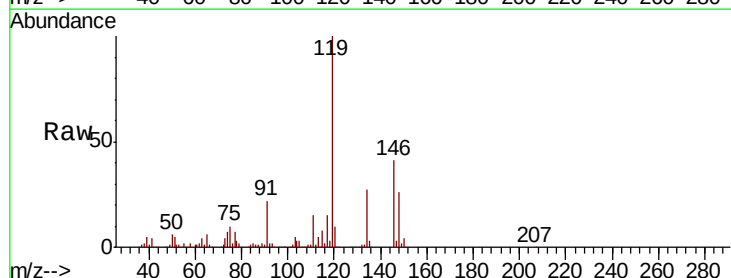
Tgt Ion:119 Resp: 404624

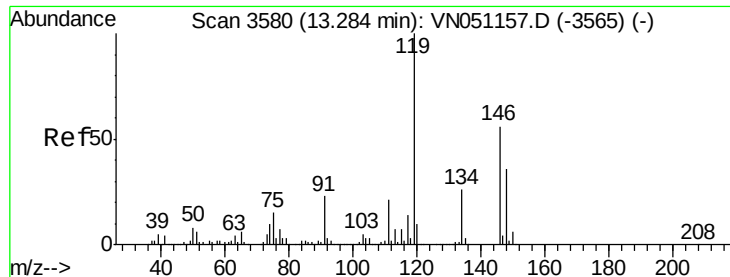
Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 22.6 10.9 32.9

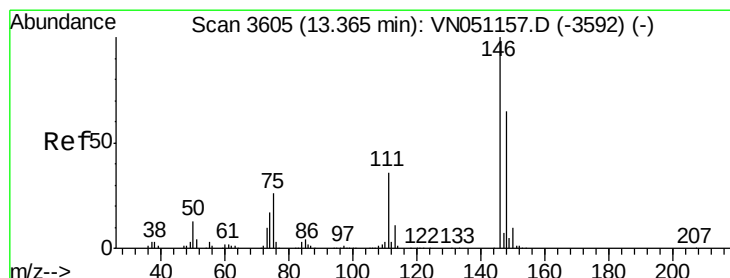
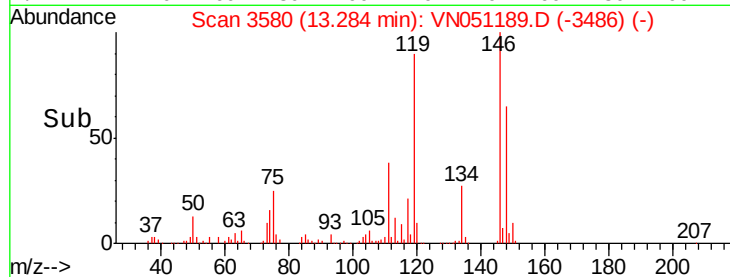
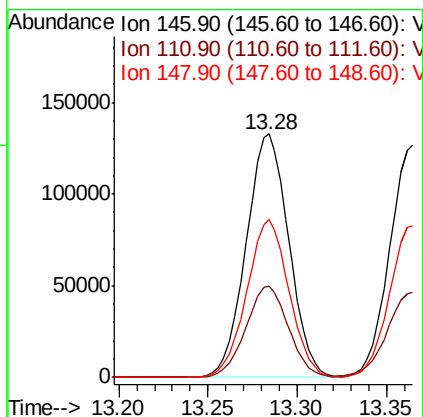
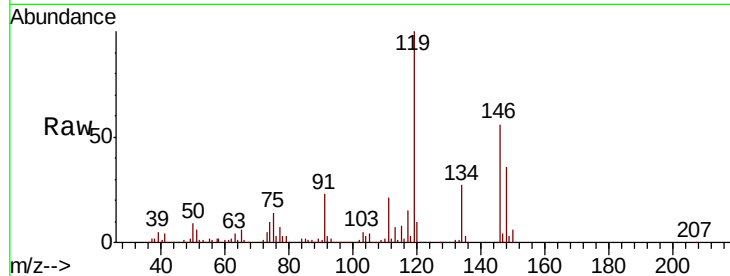




#87
 1,3-Dichlorobenzene
 Concen: 17.96 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

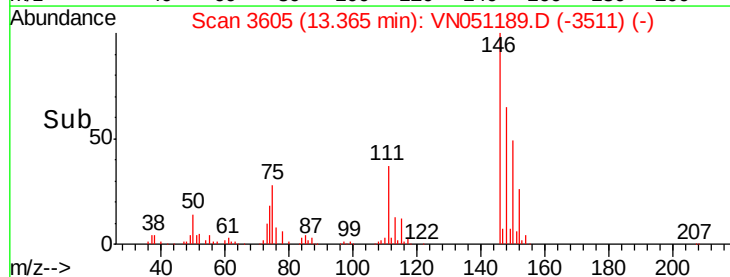
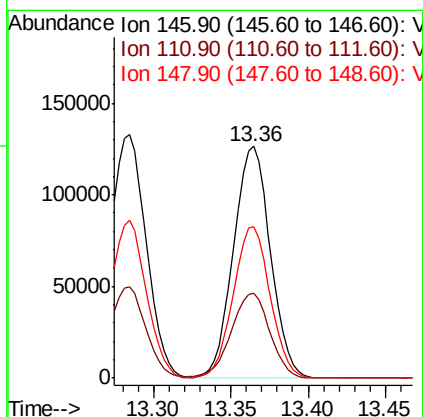
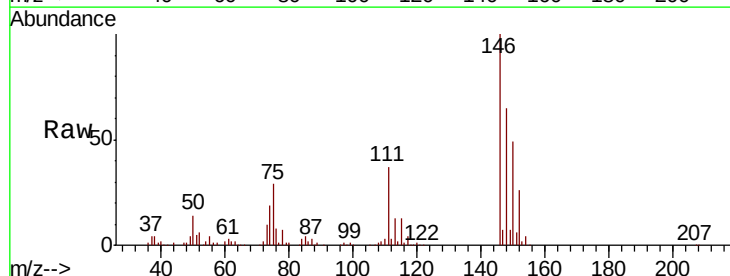
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

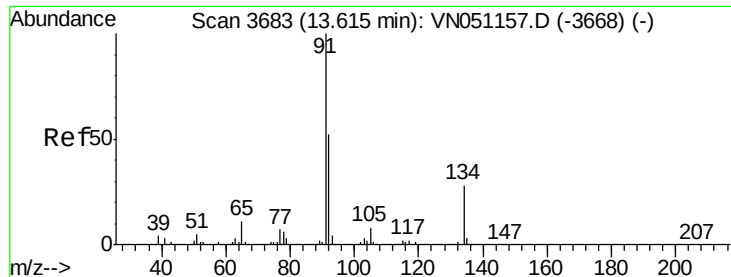
Tot Ion:146 Resp: 222219
 Ion Ratio Lower Upper
 146 100
 111 37.3 19.1 57.1
 148 64.1 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 18.52 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

Tgt Ion:146 Resp: 210398
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.4 55.0
 148 65.0 32.2 96.6





#89

n-Butylbenzene

Concen: 17.03 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

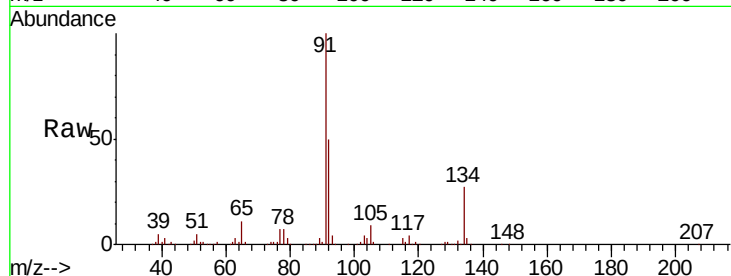
Tot Ion: 91 Resp: 279332

Ion Ratio Lower Upper

91 100

92 50.1 26.2 78.6

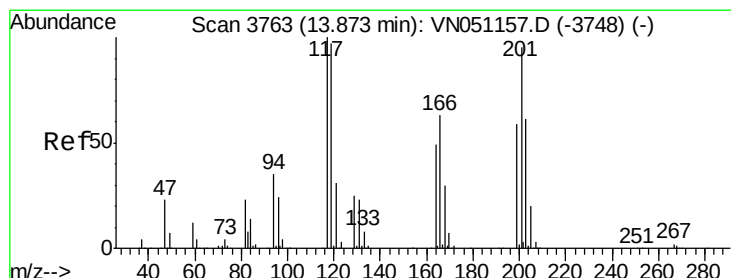
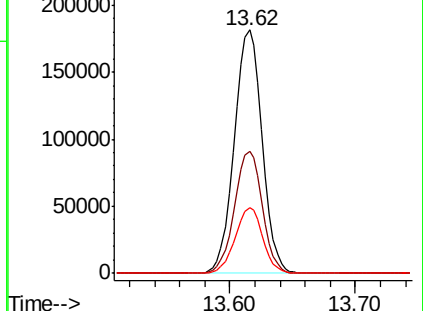
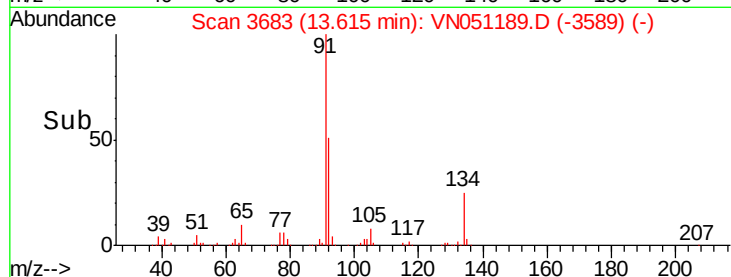
134 26.7 13.7 41.1



Abundance Ion 91.00 (90.70 to 91.70): VN051189.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN051189.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN051189.D (-3669) (-)



#90

Hexachloroethane

Concen: 20.05 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN051189.D

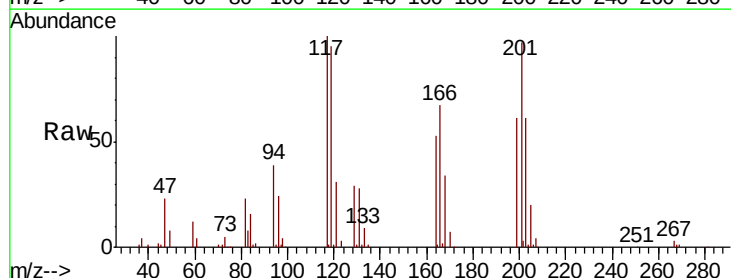
Acq: 14 Sep 2018 14:47

Tgt Ion: 117 Resp: 78353

Ion Ratio Lower Upper

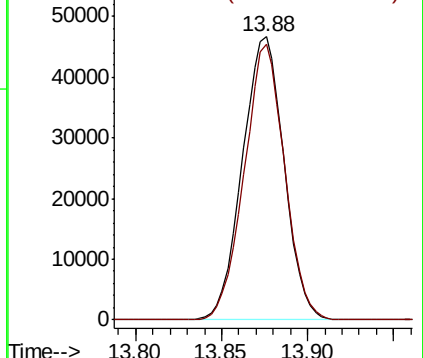
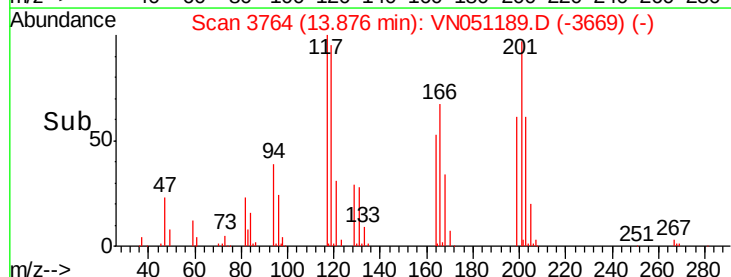
117 100

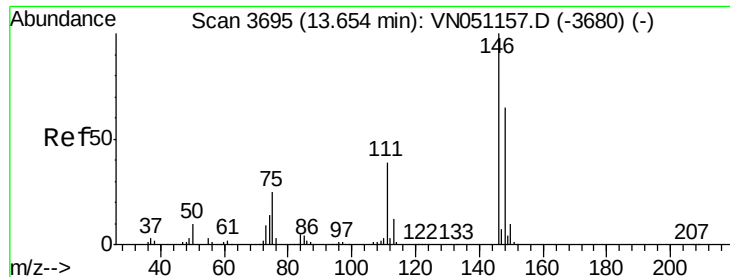
201 94.3 47.3 142.0



Abundance Ion 116.80 (116.50 to 117.50): VN051189.D (-3669) (-)

Ion 200.70 (200.40 to 201.40): VN051189.D (-3669) (-)

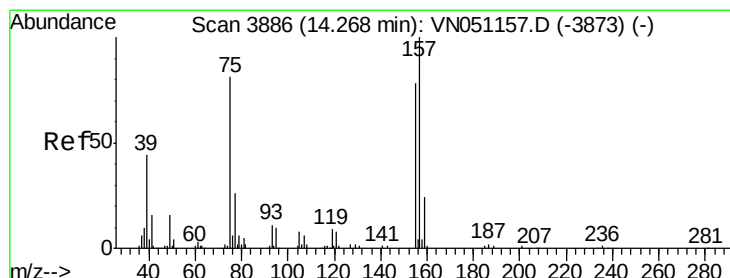
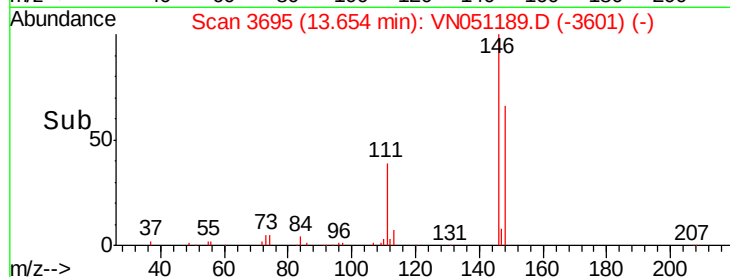
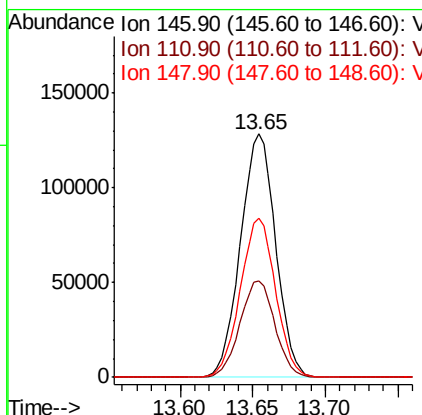
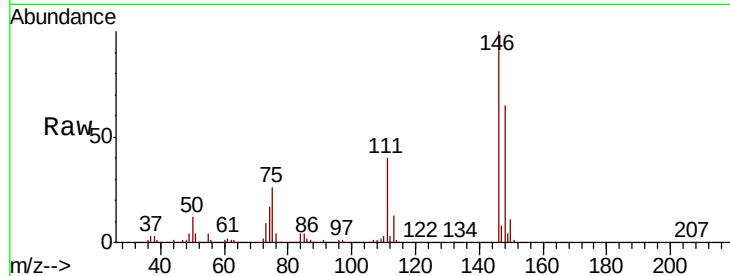




#91
 1,2-Dichlorobenzene
 Concen: 17.97 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

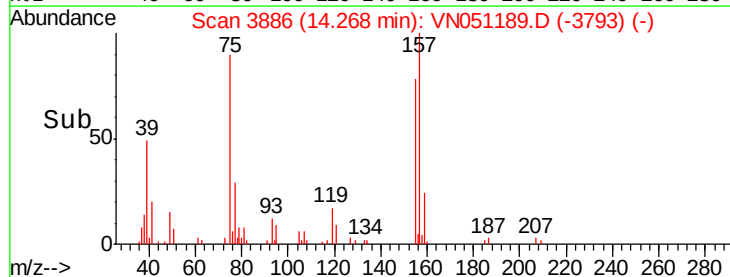
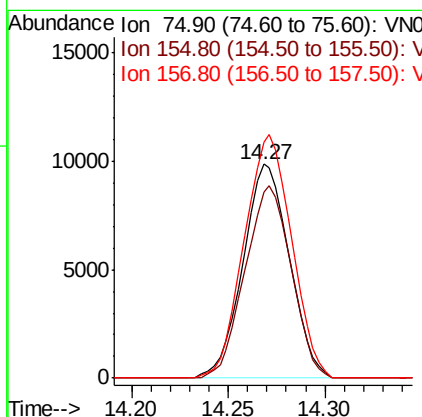
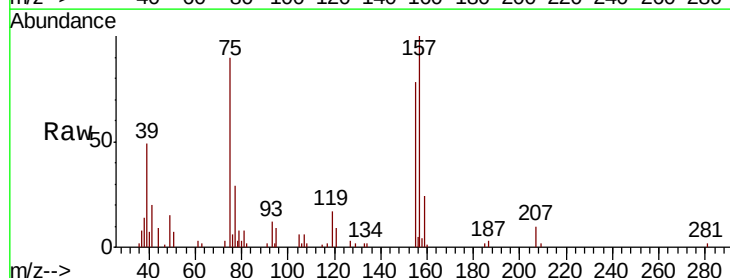
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

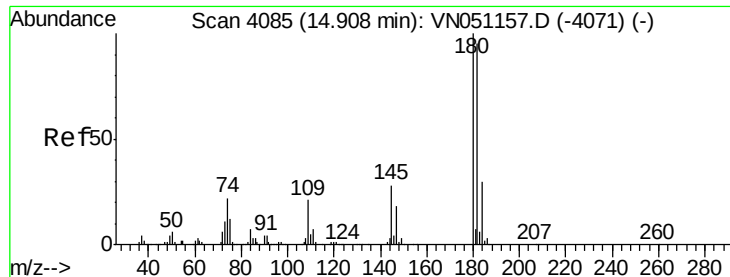
Tot Ion:146 Resp: 216760
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.7 59.0
 148 65.4 32.1 96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.17 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

Tgt Ion: 75 Resp: 16461
 Ion Ratio Lower Upper
 75 100
 155 89.4 48.7 146.1
 157 116.2 63.6 190.9

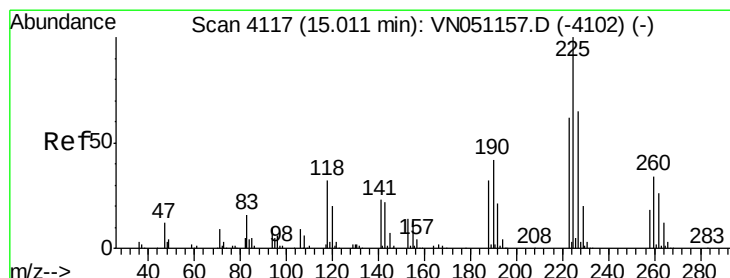
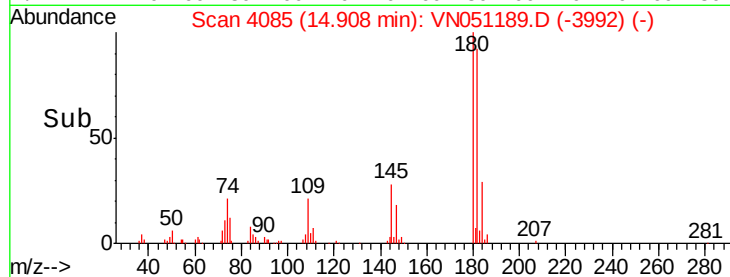
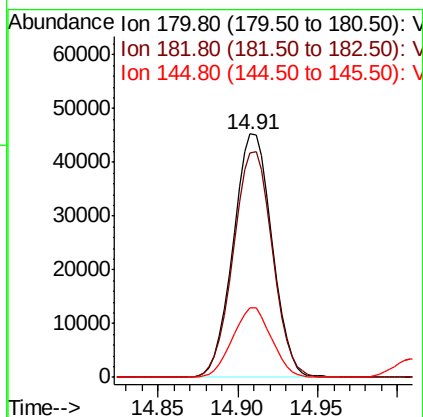
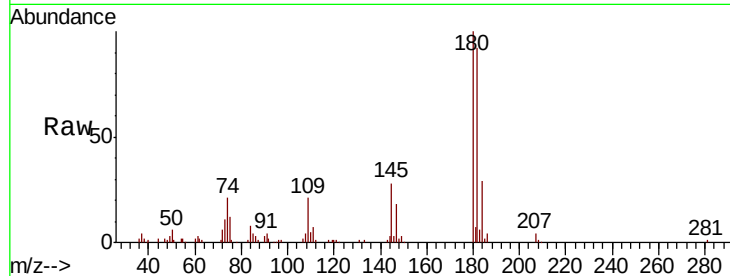




#93
 1,2,4-Trichlorobenzene
 Concen: 15.78 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

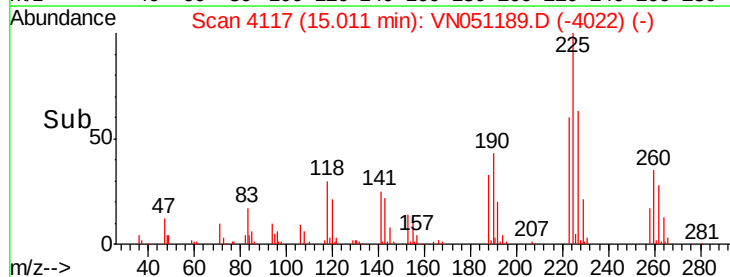
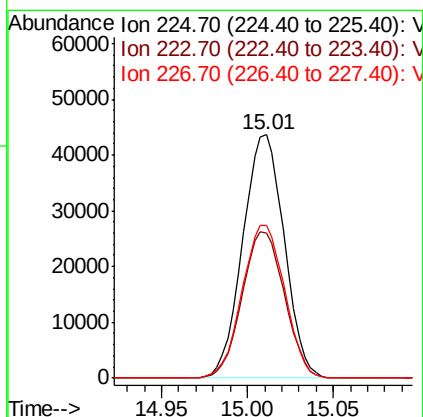
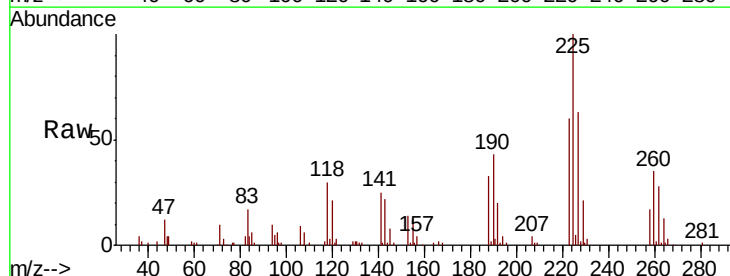
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

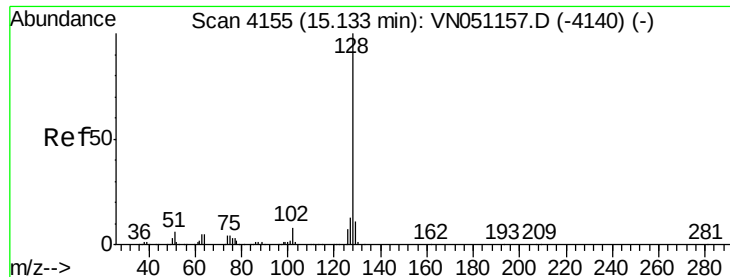
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.3	141.8
145	28.6	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 19.80 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	31.4	94.0
227	64.2	32.1	96.3





#95

Naphthalene

Concen: 14.59 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

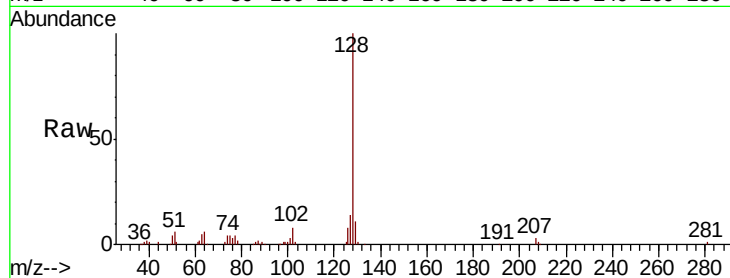
Tot Ion:128 Resp: 126141

Ion Ratio Lower Upper

128 100

127 13.9 10.6 15.8

129 11.1 8.6 12.8

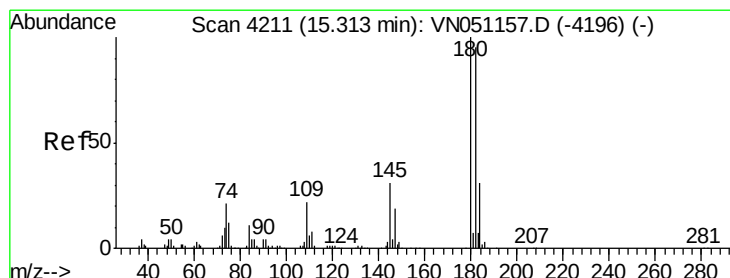
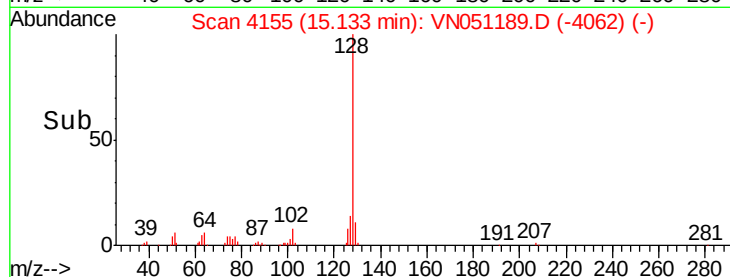
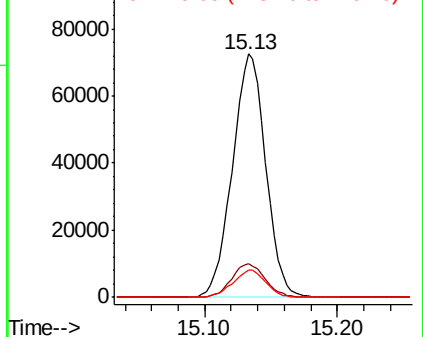


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.17 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

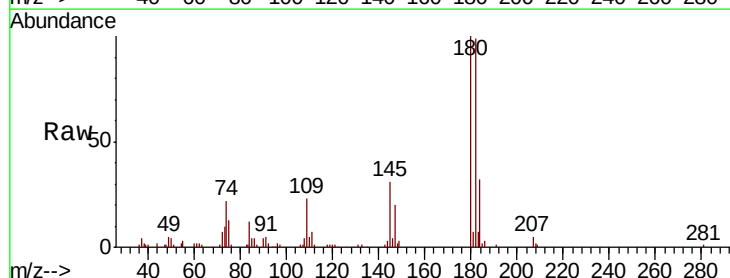
Tgt Ion:180 Resp: 78210

Ion Ratio Lower Upper

180 100

182 95.8 47.8 143.3

145 29.7 14.6 43.8



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

