

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
 Data File : VN051201.D
 Acq On : 14 Sep 2018 20:31
 Operator : MD\SY
 Sample : VN0914WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

Quant Time: Sep 15 00:55:26 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	556737	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	789028	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	686623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	310788	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	305343	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
35) Dibromofluoromethane	7.59	113	306799	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
50) Toluene-d8	10.09	98	1082205	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
62) 4-Bromofluorobenzene	12.40	95	329904	44.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	87245	16.25	ug/l	100
3) Chloromethane	2.06	50	116716	16.47	ug/l	99
4) Vinyl Chloride	2.18	62	123615	16.77	ug/l	97
5) Bromomethane	2.57	94	73952	17.14	ug/l	95
6) Chloroethane	2.71	64	74426	16.36	ug/l	99
7) Trichlorofluoromethane	3.02	101	180006	18.43	ug/l	99
8) Diethyl Ether	3.41	74	61218	17.05	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	112554	17.88	ug/l	98
10) Methyl Iodide	3.95	142	77705	17.34	ug/l	98
11) Tert butyl alcohol	4.79	59	31845	67.29	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	102183	17.21	ug/l	99
13) Acrolein	3.61	56	25807	64.62	ug/l	95
14) Allyl chloride	4.33	41	150501	16.63	ug/l	99
15) Acrylonitrile	4.99	53	165328	78.84	ug/l	99
16) Acetone	3.82	43	108846	66.77	ug/l	99
17) Carbon Disulfide	4.05	76	283897	16.30	ug/l	99
18) Methyl Acetate	4.33	43	89386	18.02	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	262104	16.70	ug/l	99
20) Methylene Chloride	4.55	84	121448	17.75	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	110718	17.19	ug/l	99
22) Diisopropyl ether	5.96	45	339164	18.88	ug/l	98
23) Vinyl Acetate	5.90	43	1007732	82.91	ug/l	99
24) 1,1-Dichloroethane	5.85	63	208845	18.33	ug/l	99
25) 2-Butanone	6.84	43	171281	70.31	ug/l	98
26) 2,2-Dichloropropane	6.83	77	151419	16.24	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	122690	17.36	ug/l	99
28) Bromochloromethane	7.20	49	95670	18.86	ug/l	99
29) Tetrahydrofuran	7.21	42	115238	75.76	ug/l	99
30) Chloroform	7.37	83	217819	19.22	ug/l	98
31) Cyclohexane	7.66	56	169374	16.52	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	183014	18.95	ug/l	100
36) 1,1-Dichloropropene	7.80	75	154144	17.79	ug/l	99
37) Ethyl Acetate	6.93	43	83380	16.62	ug/l	99
38) Carbon Tetrachloride	7.78	117	163250	19.15	ug/l	97

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 VN0914WBS03

Quant Time: Sep 15 00:55:26 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	153729	16.08	ug/l	95
40) Benzene	8.04	78	481239	18.44	ug/l	99
41) Methacrylonitrile	7.18	41	42295	16.34	ug/l	93
42) 1,2-Dichloroethane	8.13	62	141982	18.66	ug/l	99
43) Isopropyl Acetate	8.17	43	153952	17.39	ug/l #	86
44) Trichloroethene	8.84	130	127373	17.84	ug/l	99
45) 1,2-Dichloropropane	9.12	63	128897	19.11	ug/l	98
46) Dibromomethane	9.21	93	73112	17.77	ug/l	100
47) Bromodichloromethane	9.40	83	158417	18.93	ug/l	98
48) Methyl methacrylate	9.20	41	69345	16.07	ug/l	99
49) 1,4-Dioxane	9.20	88	19579	289.41	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	392427	80.16	ug/l	99
52) Toluene	10.16	92	288282	18.11	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	142031	16.96	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	172723	17.59	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	107079	18.52	ug/l	98
56) Ethyl methacrylate	10.43	69	107300	15.60	ug/l	98
57) 1,3-Dichloropropane	10.71	76	172785	18.02	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	226876	80.54	ug/l	99
59) 2-Hexanone	10.75	43	231698	69.79	ug/l	96
60) Dibromochloromethane	10.90	129	119605	18.35	ug/l	99
61) 1,2-Dibromoethane	11.01	107	97101	17.18	ug/l	100
64) Tetrachloroethene	10.63	164	115889	18.50	ug/l	98
65) Chlorobenzene	11.43	112	313629	18.12	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	122606	19.68	ug/l	99
67) Ethyl Benzene	11.51	91	496274	17.71	ug/l	100
68) m/p-Xylenes	11.62	106	396794	36.84	ug/l	99
69) o-Xylene	11.95	106	188946	18.12	ug/l	99
70) Styrene	11.96	104	292306	18.07	ug/l	99
71) Bromoform	12.13	173	76124	17.35	ug/l #	97
73) Isopropylbenzene	12.25	105	495314	19.00	ug/l	99
74) N-amyl acetate	12.07	43	94758	14.45	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	122256	19.47	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	133369	27.00	ug/l #	100
77) Bromobenzene	12.53	156	129610	18.51	ug/l	97
78) n-propylbenzene	12.59	91	533443	18.62	ug/l	99
79) 2-Chlorotoluene	12.67	91	337624	18.86	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	405300	19.23	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	25070	15.32	ug/l	96
82) 4-Chlorotoluene	12.77	91	323245	18.19	ug/l	99
83) tert-Butylbenzene	12.99	119	346241	18.61	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	395571	19.09	ug/l	99
85) sec-Butylbenzene	13.17	105	451896	18.94	ug/l	100
86) p-Isopropyltoluene	13.29	119	381298	18.85	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	207620	17.48	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	198100	18.17	ug/l	99
89) n-Butylbenzene	13.62	91	258556	16.42	ug/l	98
90) Hexachloroethane	13.87	117	75422	20.11	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	203522	17.59	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14408	16.63	ug/l	96

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Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration

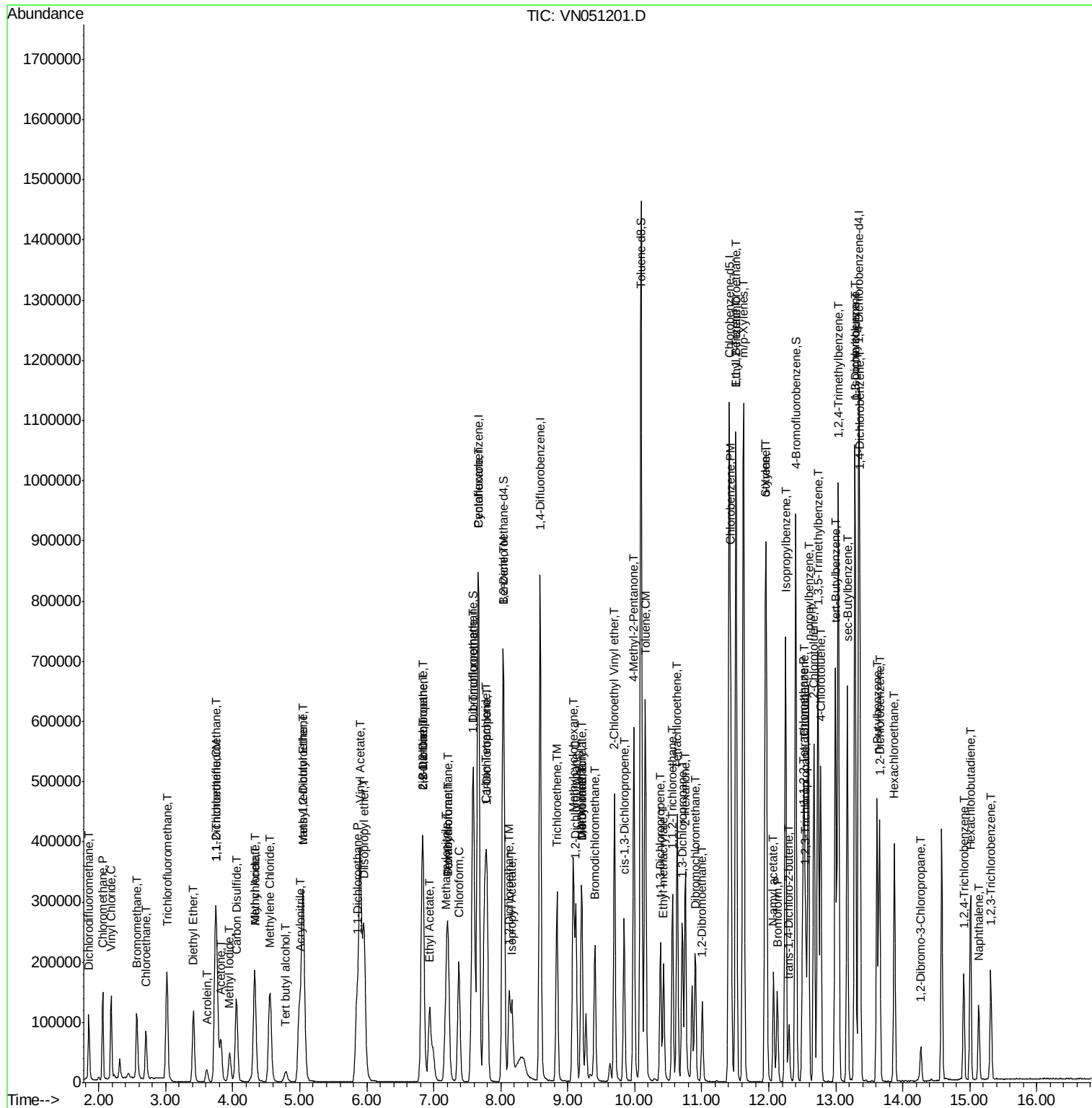
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	64007	14.51	ug/l	99
94) Hexachlorobutadiene	15.01	225	67696	18.98	ug/l	99
95) Naphthalene	15.13	128	109234	13.69	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	71053	15.46	ug/l	98

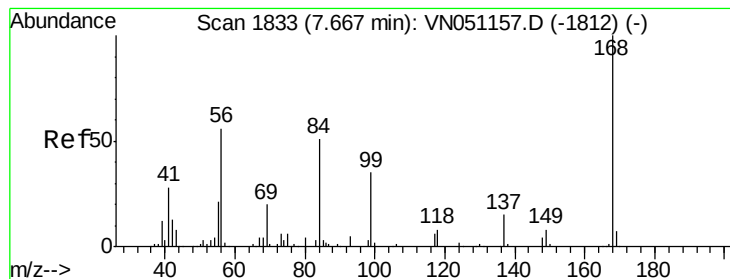
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051201.D

Acq: 14 Sep 2018 20:31

Instrument :

MSVOA_N

ClientSampleId :

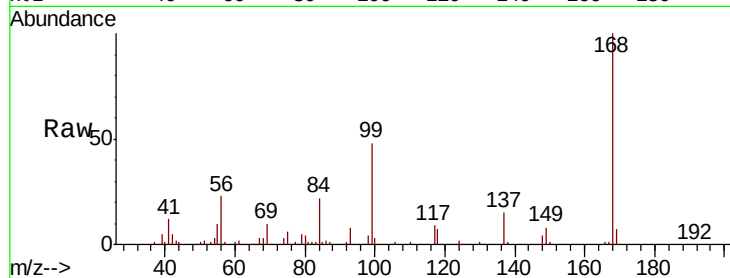
VN0914WBS03

Tot Ion:168 Resp: 556737

Ion Ratio Lower Upper

168 100

99 47.6 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

150000

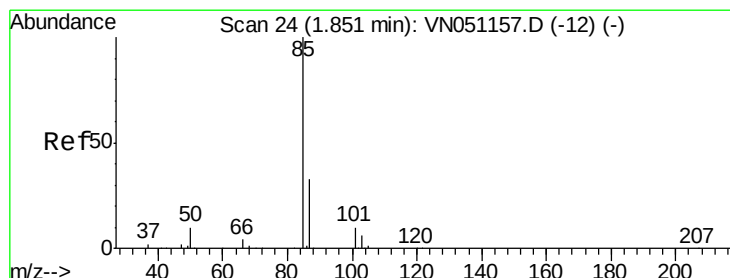
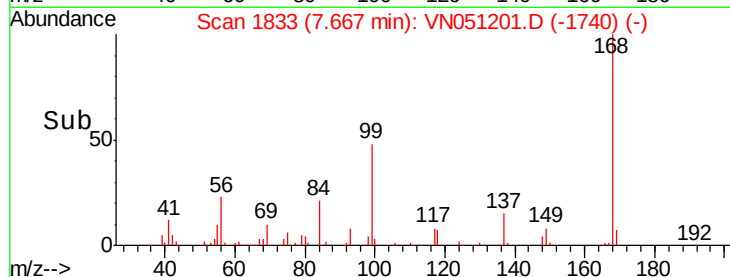
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.25 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051201.D

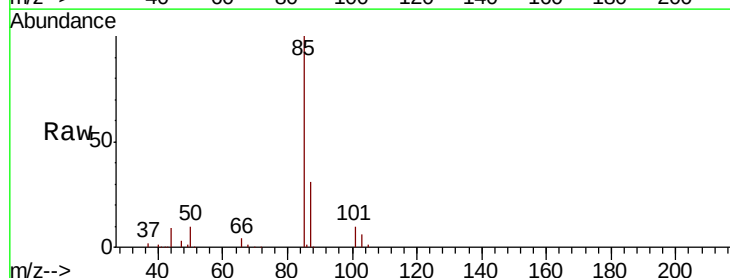
Acq: 14 Sep 2018 20:31

Tgt Ion: 85 Resp: 87245

Ion Ratio Lower Upper

85 100

87 31.4 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

60000

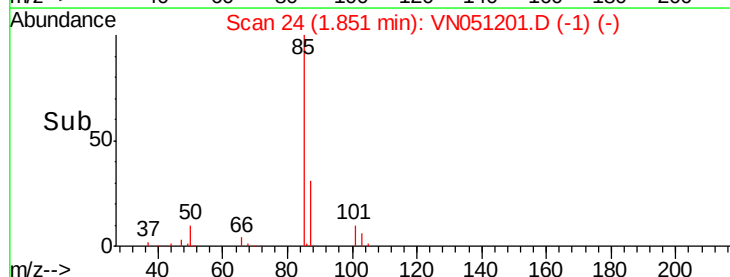
40000

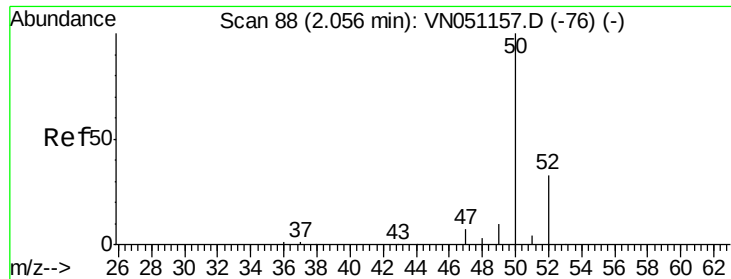
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 16.47 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051201.D

Acq: 14 Sep 2018 20:31

Instrument :

MSVOA_N

ClientSampleId :

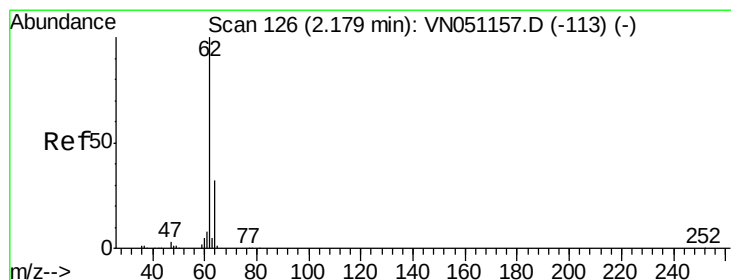
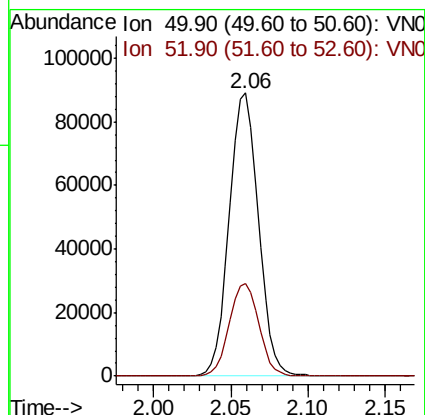
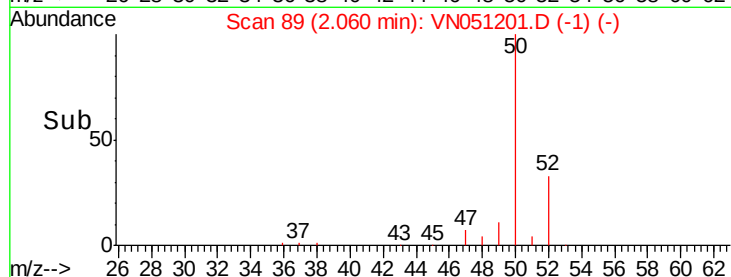
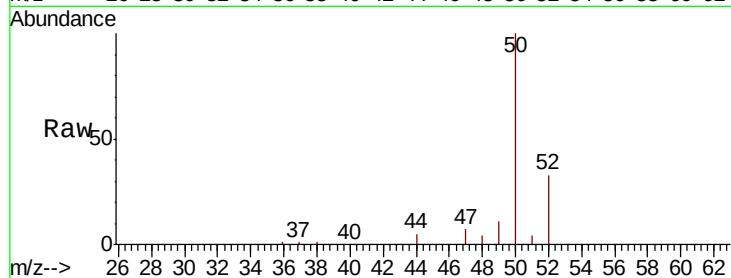
VN0914WBS03

Tot Ion: 50 Resp: 116716

Ion Ratio Lower Upper

50 100

52 32.9 26.0 39.0



#4

Vinyl Chloride

Concen: 16.77 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051201.D

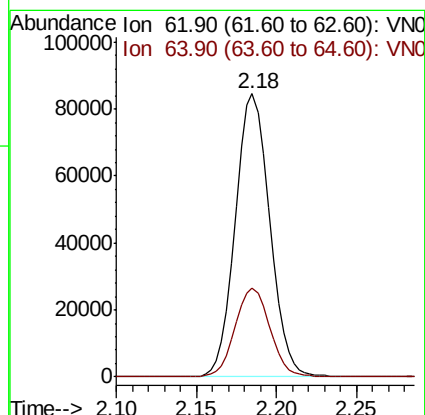
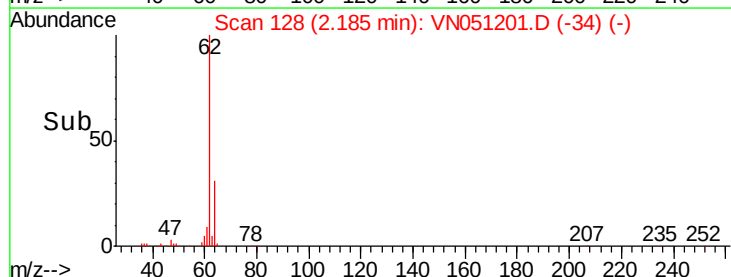
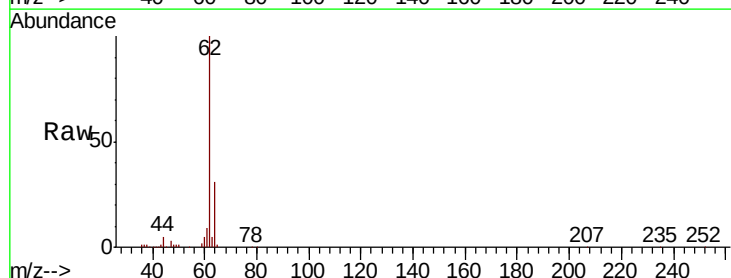
Acq: 14 Sep 2018 20:31

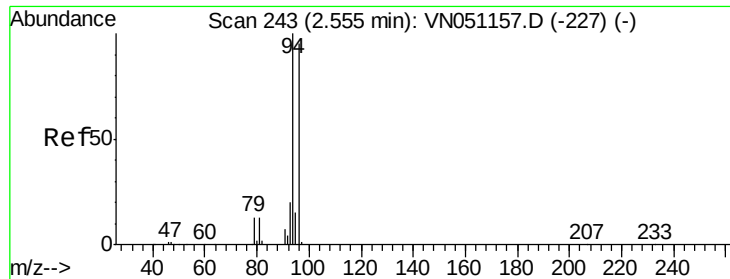
Tgt Ion: 62 Resp: 123615

Ion Ratio Lower Upper

62 100

64 31.2 26.2 39.4





#5

Bromomethane

Concen: 17.14 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051201.D

Acq: 14 Sep 2018 20:31

Instrument :

MSVOA_N

ClientSampleId :

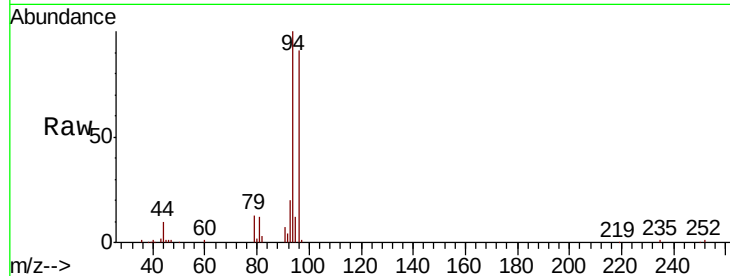
VN0914WBS03

Tot Ion: 94 Resp: 73952

Ion Ratio Lower Upper

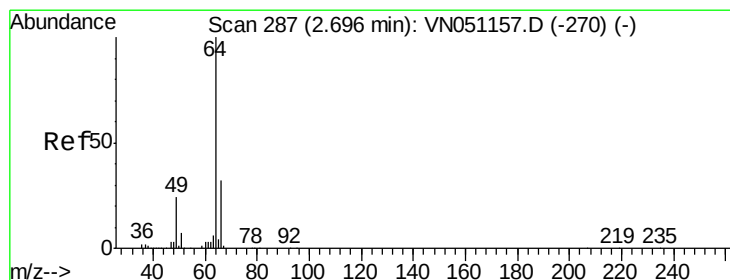
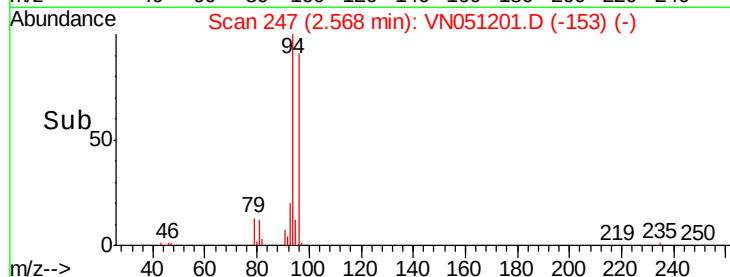
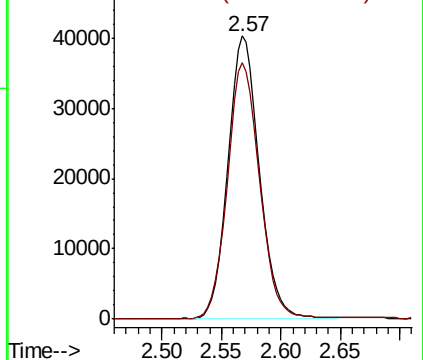
94 100

96 90.1 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: 16.36 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN051201.D

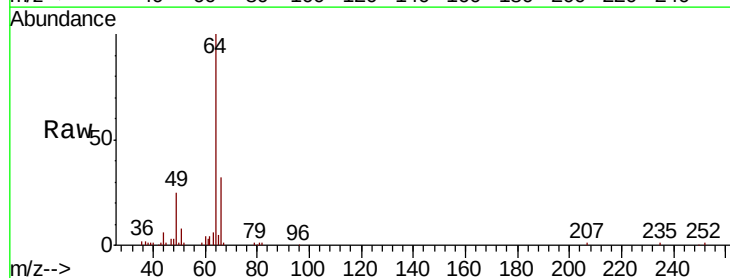
Acq: 14 Sep 2018 20:31

Tgt Ion: 64 Resp: 74426

Ion Ratio Lower Upper

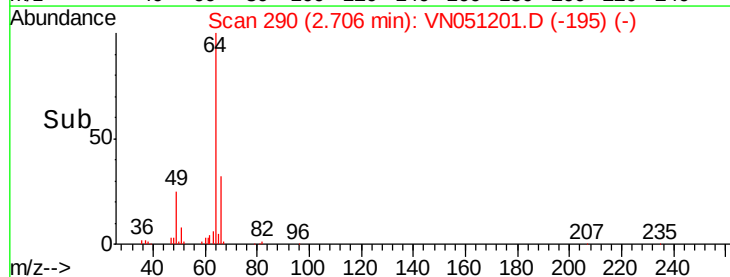
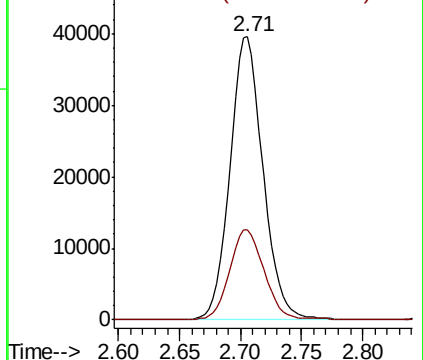
64 100

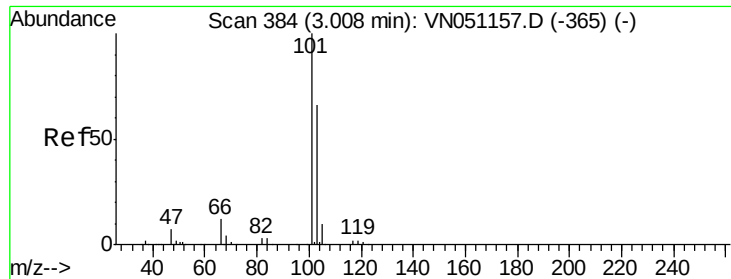
66 31.9 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



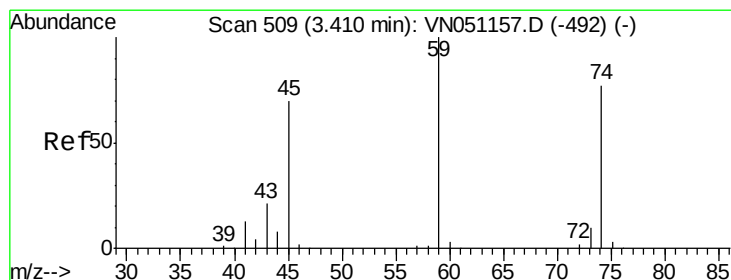
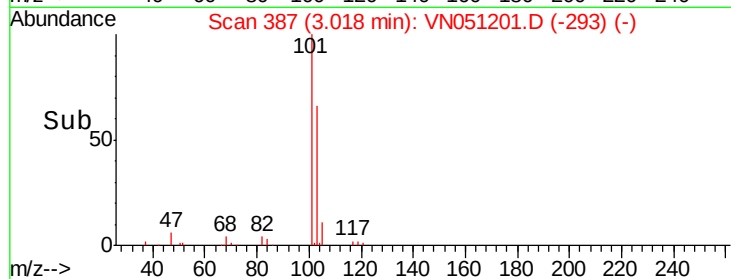
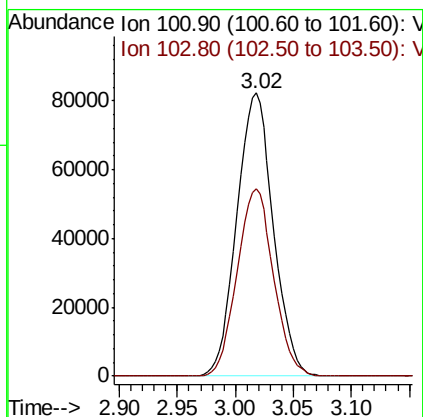
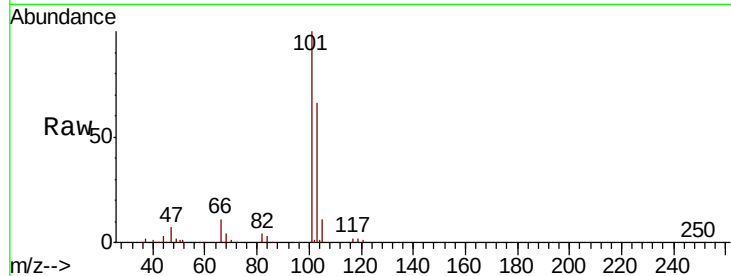


#7

Trichlorofluoromethane
 Concen: 18.43 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN051201.D
 Acq: 14 Sep 2018 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

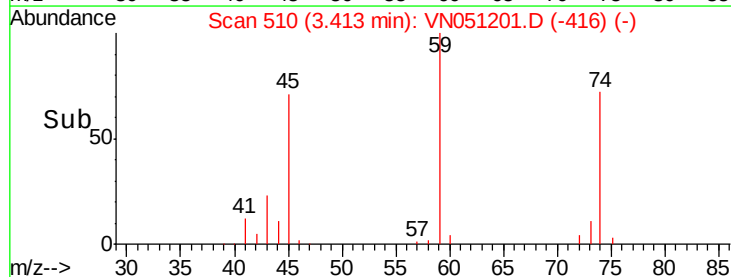
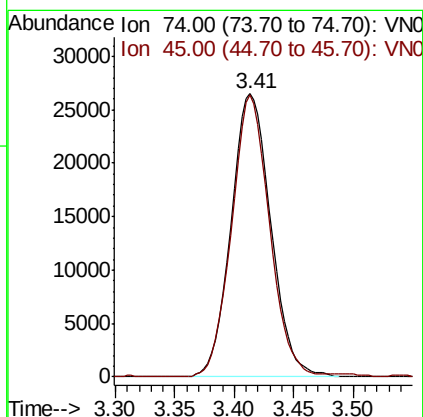
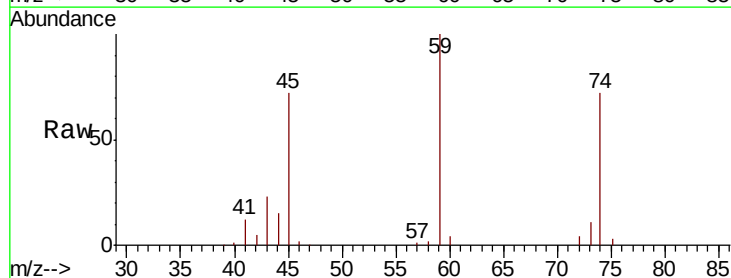
Tot Ion:101 Resp: 180006
 Ion Ratio Lower Upper
 101 100
 103 66.2 52.4 78.6

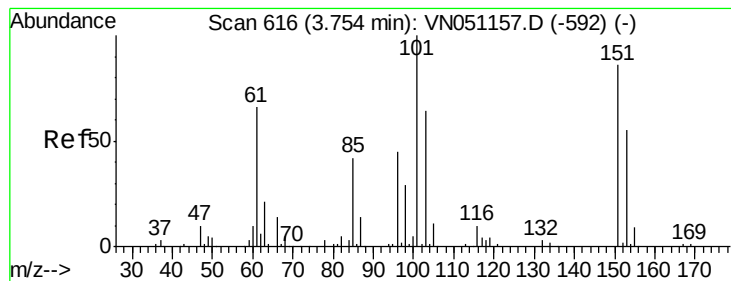


#8

Diethyl Ether
 Concen: 17.05 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051201.D
 Acq: 14 Sep 2018 20:31

Tgt Ion: 74 Resp: 61218
 Ion Ratio Lower Upper
 74 100
 45 95.3 46.7 140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.88 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051201.D

Acq: 14 Sep 2018 20:31

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS03

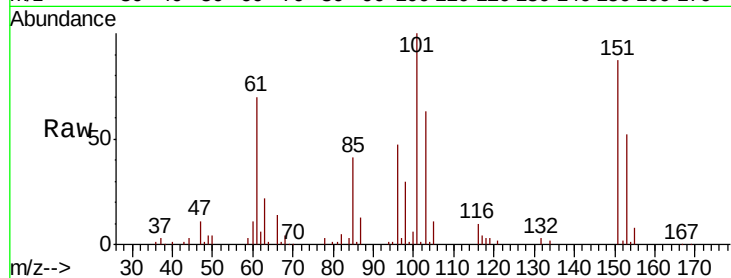
Tot Ion:101 Resp: 112554

Ion Ratio Lower Upper

101 100

85 41.1 33.3 49.9

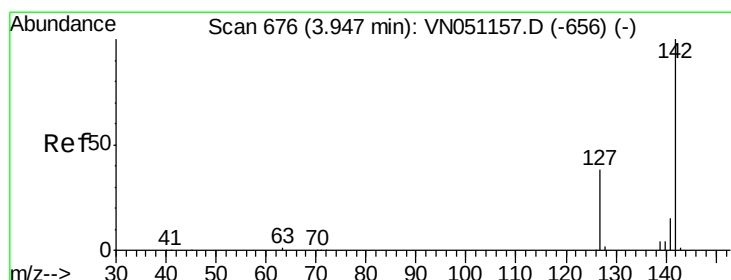
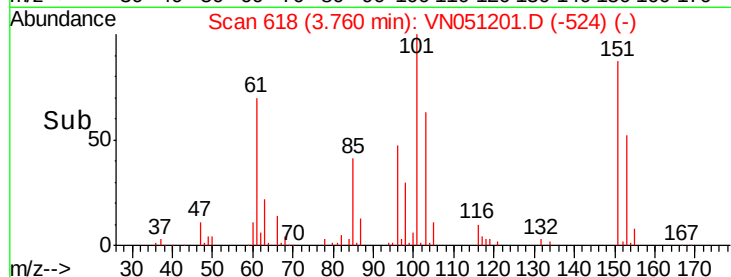
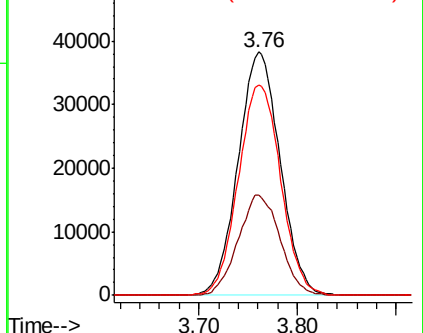
151 87.4 68.2 102.2



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: 17.34 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN051201.D

Acq: 14 Sep 2018 20:31

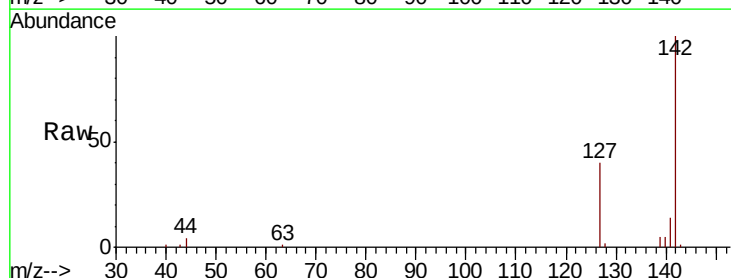
Tgt Ion:142 Resp: 77705

Ion Ratio Lower Upper

142 100

127 40.5 31.0 46.4

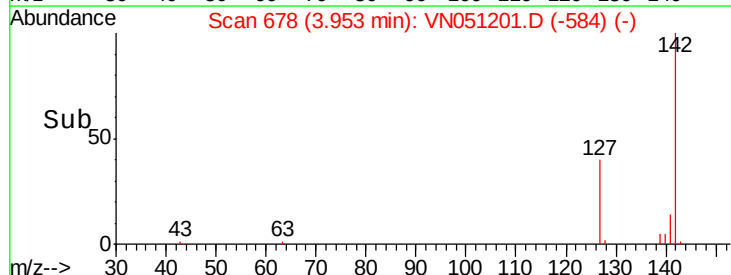
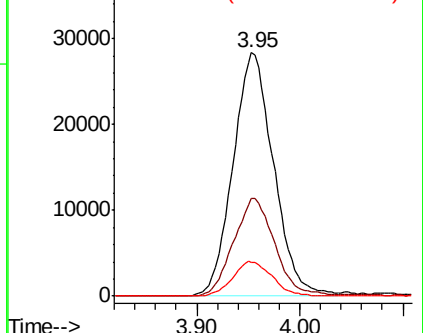
141 13.8 11.3 16.9

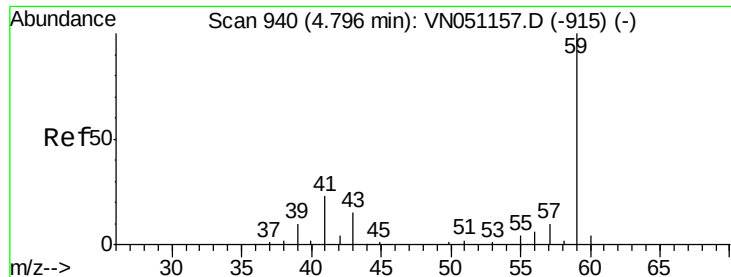


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



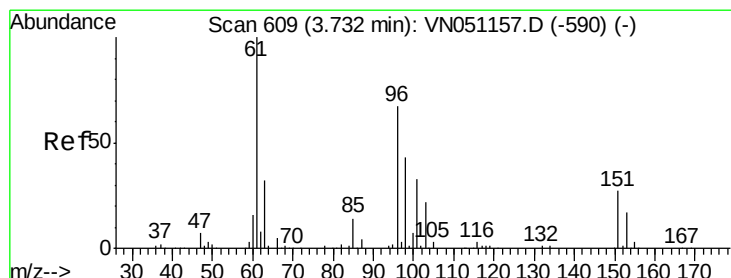
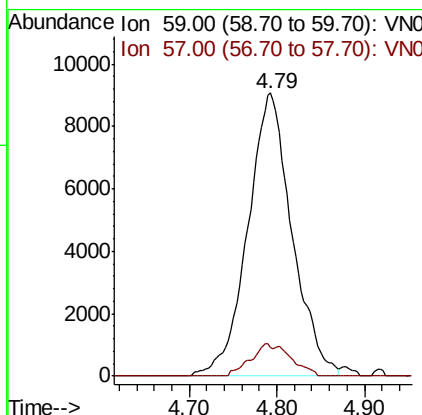
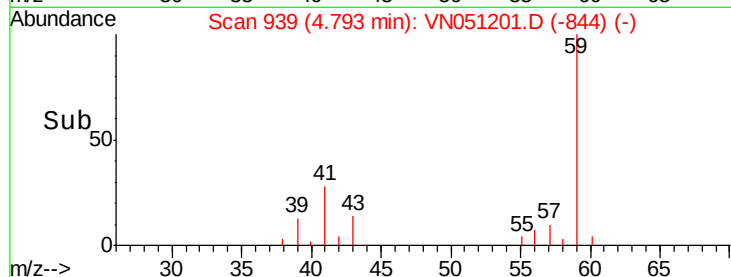
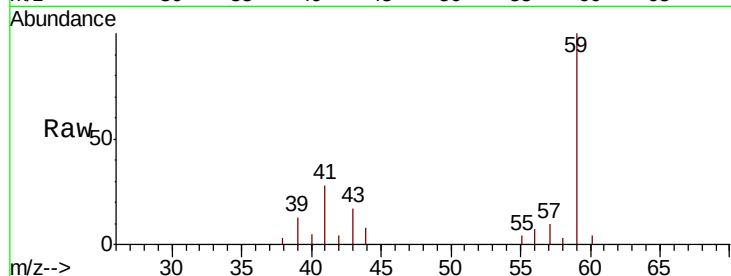


#11

Tert butyl alcohol
 Concen: 67.29 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.01 min
 Lab File: VN051201.D
 Acq: 14 Sep 2018 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

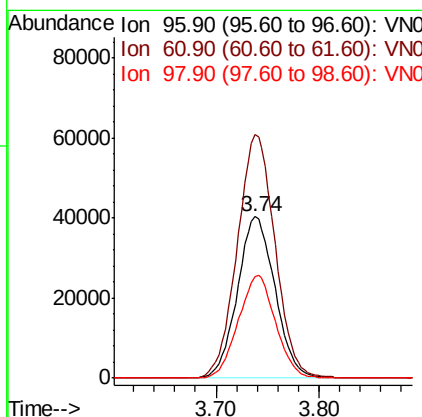
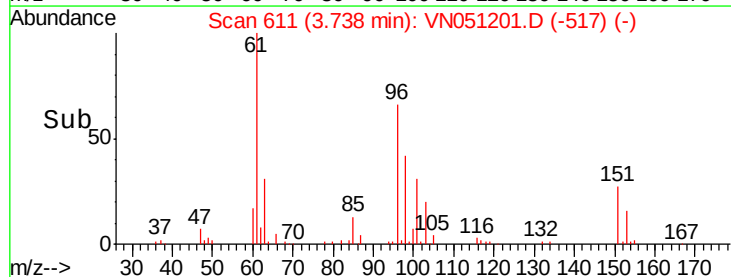
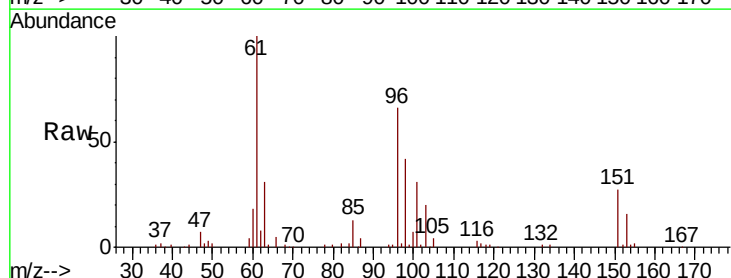
Tot Ion: 59 Resp: 31845
 Ion Ratio Lower Upper
 59 100
 57 5.8 8.1 12.1#

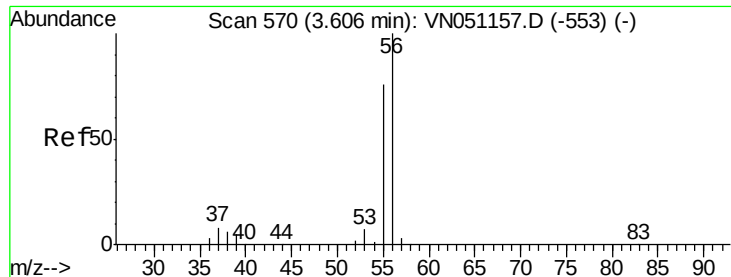


#12

1,1-Dichloroethene
 Concen: 17.21 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN051201.D
 Acq: 14 Sep 2018 20:31

Tgt Ion: 96 Resp: 102183
 Ion Ratio Lower Upper
 96 100
 61 151.1 120.3 180.5
 98 62.8 50.8 76.2





#13

Acrolein

Concen: 64.62 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN051201.D

Acq: 14 Sep 2018 20:31

Instrument :

MSVOA_N

ClientSampled :

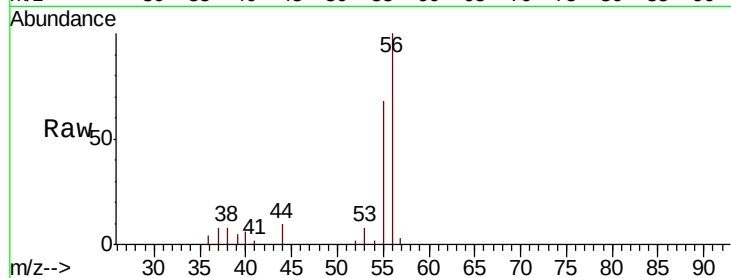
VN0914WBS03

Tot Ion: 56 Resp: 25807

Ion Ratio Lower Upper

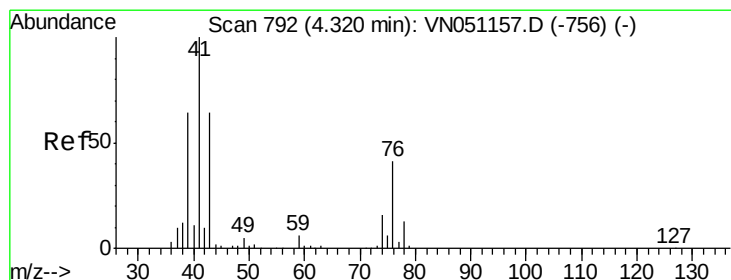
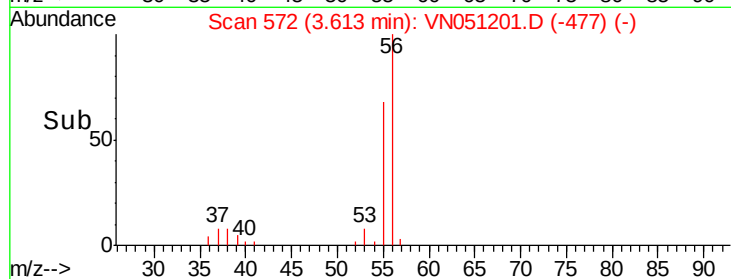
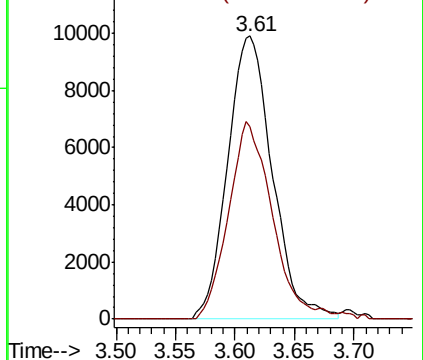
56 100

55 68.3 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: 16.63 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051201.D

Acq: 14 Sep 2018 20:31

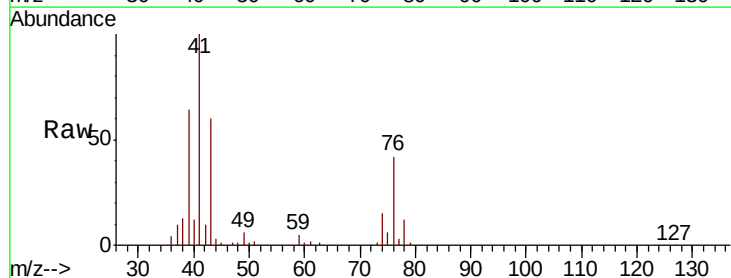
Tgt Ion: 41 Resp: 150501

Ion Ratio Lower Upper

41 100

39 61.8 48.8 73.2

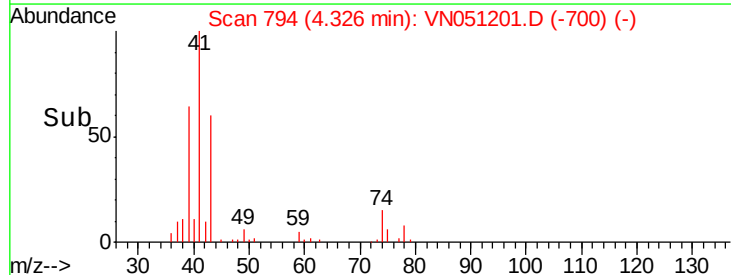
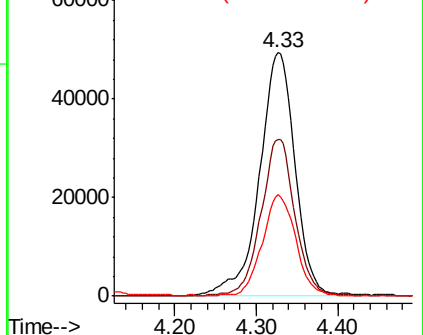
76 39.4 30.6 45.8

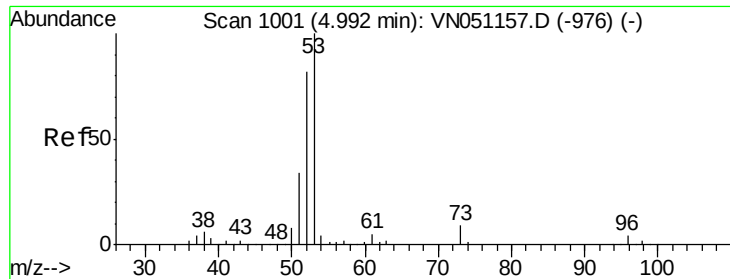


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 78.84 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051201.D

Acq: 14 Sep 2018 20:31

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS03

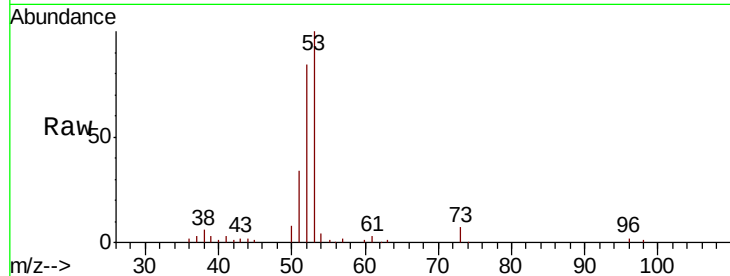
Tot Ion: 53 Resp: 165328

Ion Ratio Lower Upper

53 100

52 81.1 65.3 97.9

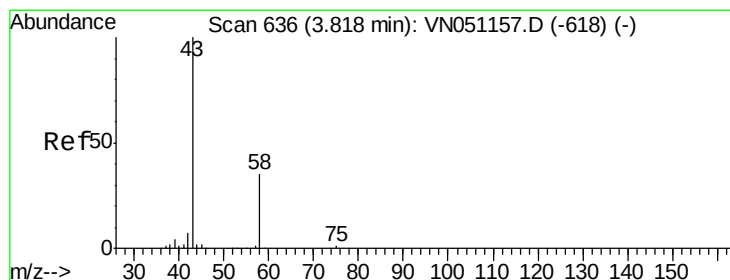
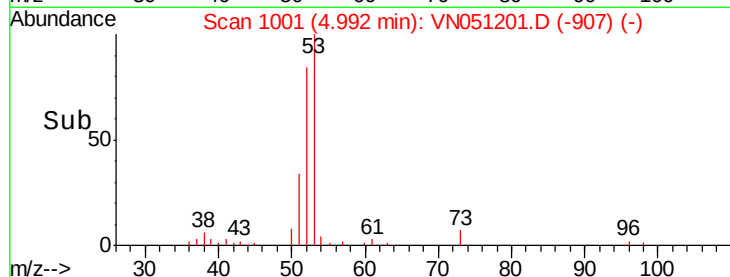
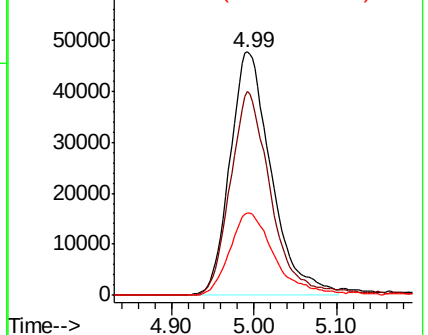
51 36.6 28.2 42.2



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: 66.77 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051201.D

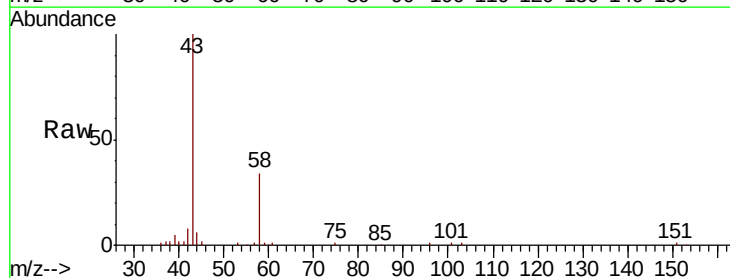
Acq: 14 Sep 2018 20:31

Tgt Ion: 43 Resp: 108846

Ion Ratio Lower Upper

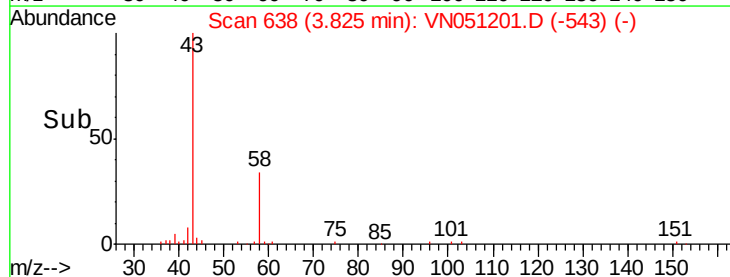
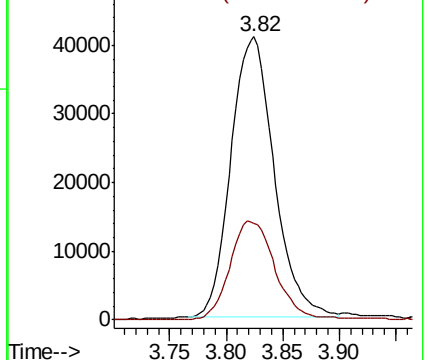
43 100

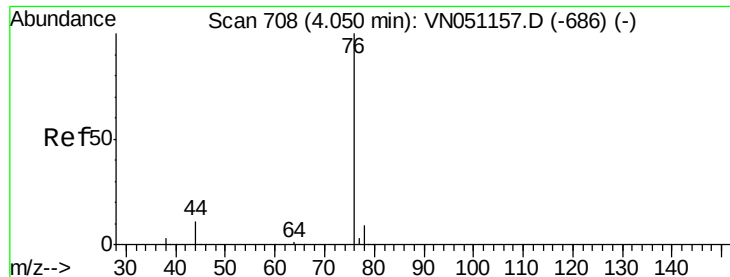
58 34.4 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

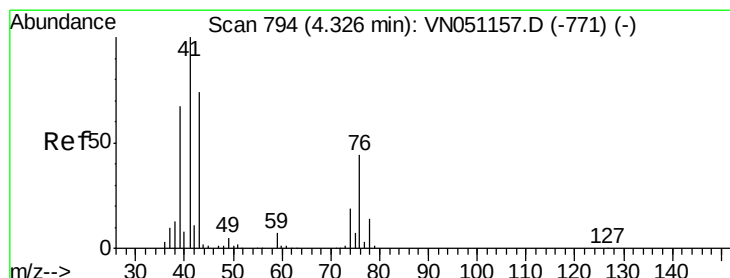
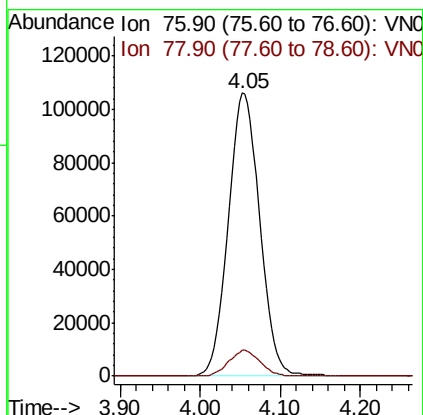
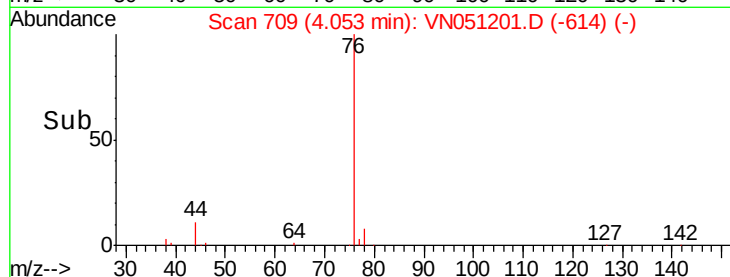
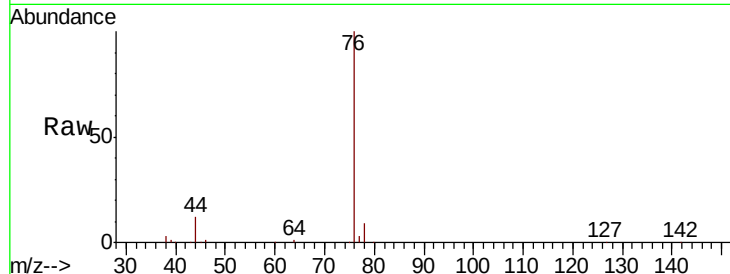




#17
Carbon Disulfide
Concen: 16.30 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051201.D
Acq: 14 Sep 2018 20:31

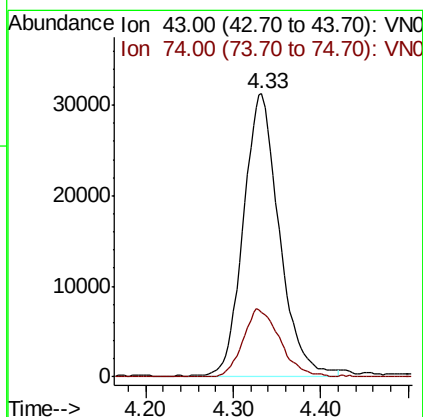
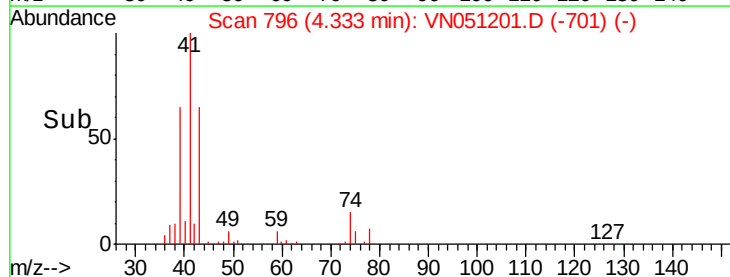
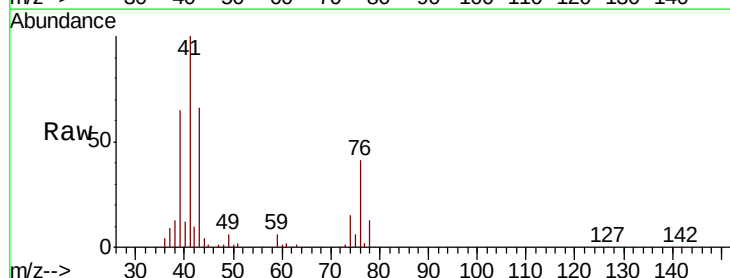
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS03

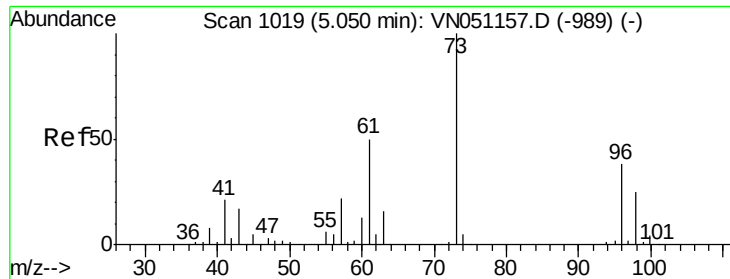
Tot Ion: 76 Resp: 283897
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6



#18
Methyl Acetate
Concen: 18.02 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051201.D
Acq: 14 Sep 2018 20:31

Tgt Ion: 43 Resp: 89386
Ion Ratio Lower Upper
43 100
74 24.6 20.7 31.1

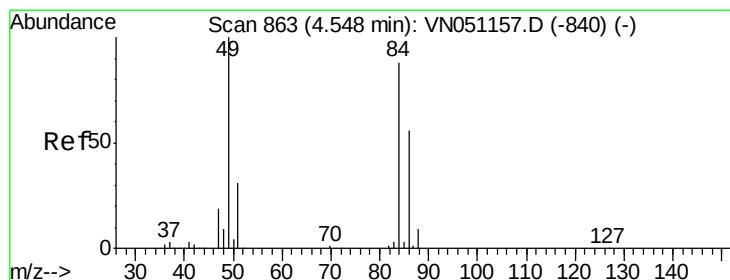
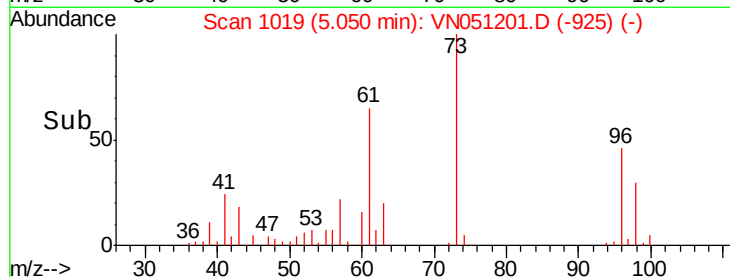
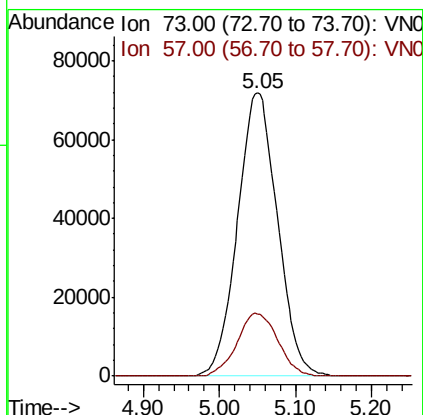
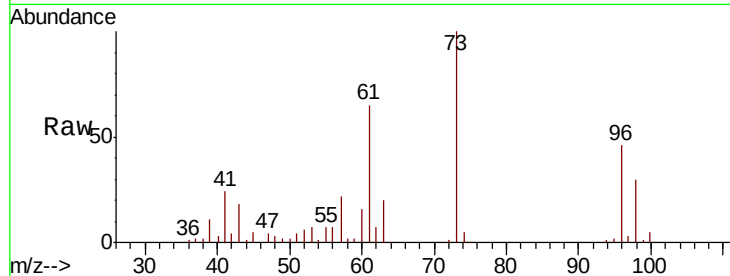




#19
Methyl tert-butyl Ether
Concen: 16.70 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051201.D
Acq: 14 Sep 2018 20:31

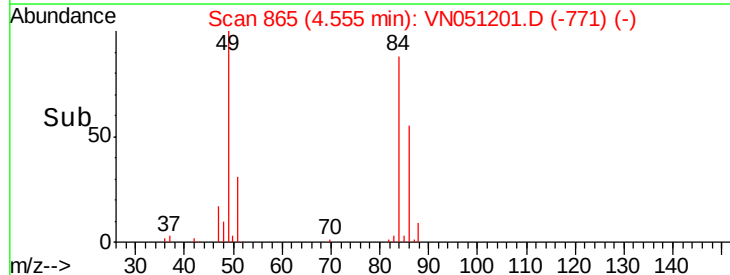
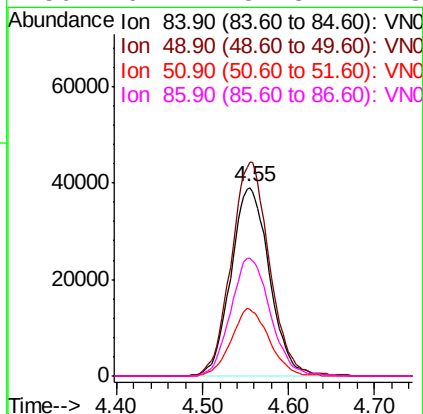
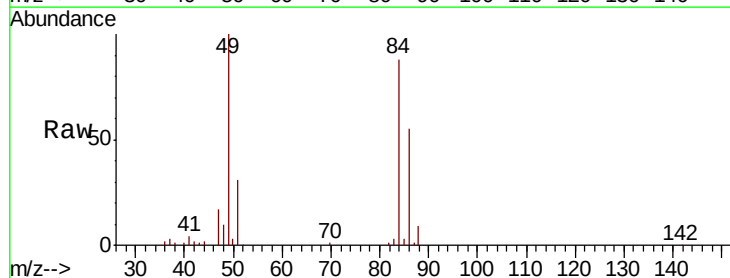
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS03

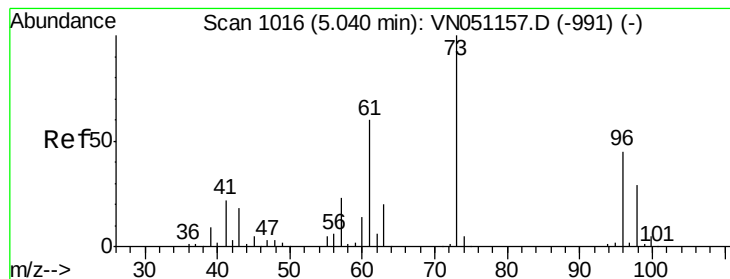
Tot Ion: 73 Resp: 262104
Ion Ratio Lower Upper
73 100
57 22.1 17.9 26.9



#20
Methylene Chloride
Concen: 17.75 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051201.D
Acq: 14 Sep 2018 20:31

Tgt Ion: 84 Resp: 121448
Ion Ratio Lower Upper
84 100
49 113.0 90.2 135.2
51 35.0 28.4 42.6
86 62.4 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 17.19 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN051201.D

Acq: 14 Sep 2018 20:31

Instrument :

MSVOA_N

ClientSampled :

VN0914WBS03

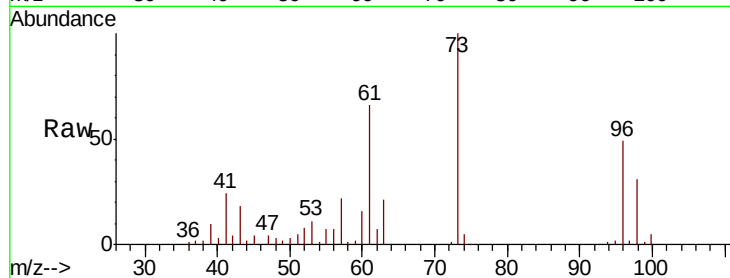
Tot Ion: 96 Resp: 110718

Ion Ratio Lower Upper

96 100

61 133.6 106.5 159.7

98 61.8 50.4 75.6

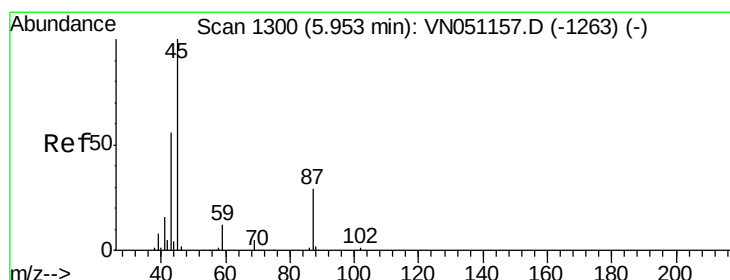
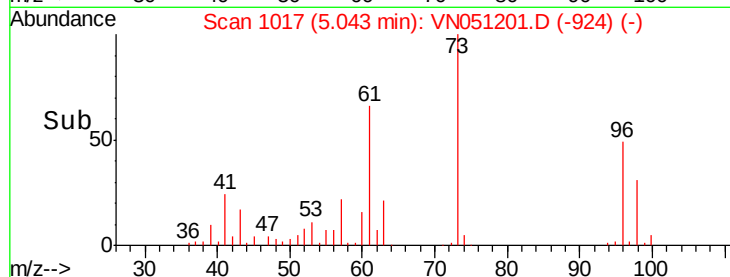
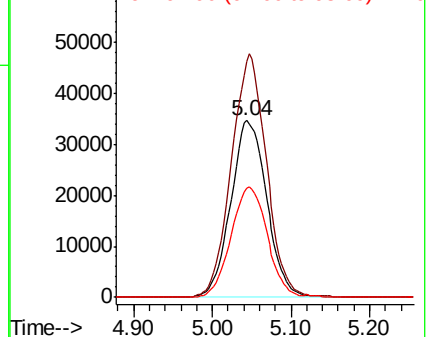


Abundance

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: 18.88 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.01 min

Lab File: VN051201.D

Acq: 14 Sep 2018 20:31

Tgt Ion: 45 Resp: 339164

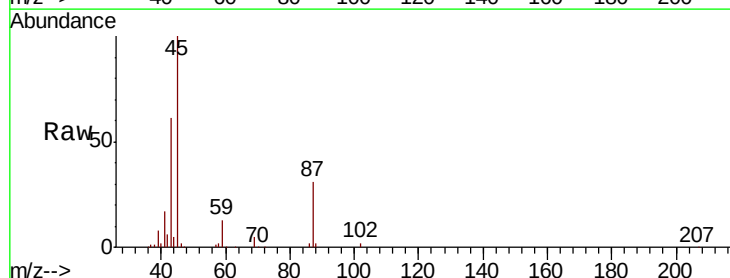
Ion Ratio Lower Upper

45 100

43 59.1 48.8 73.2

87 30.5 23.8 35.8

59 12.5 9.6 14.4



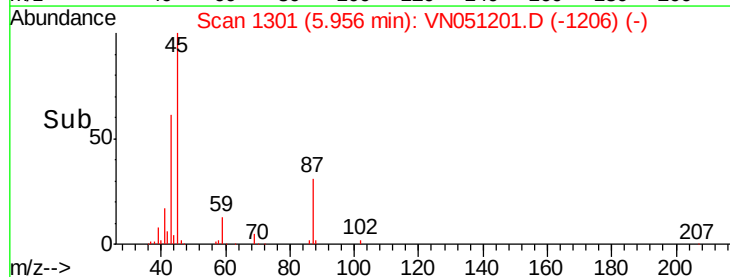
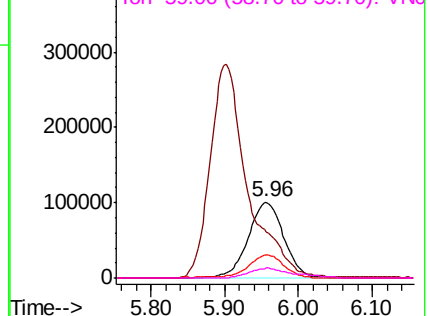
Abundance

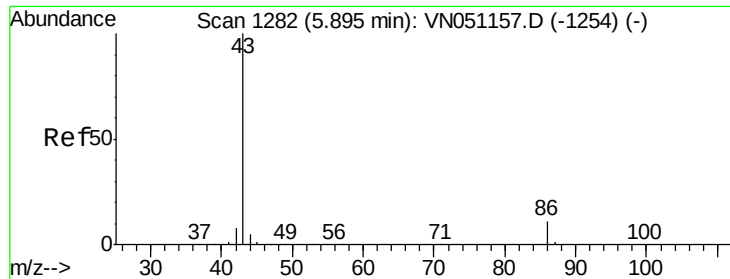
Ion 45.00 (44.70 to 45.70): VN0

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

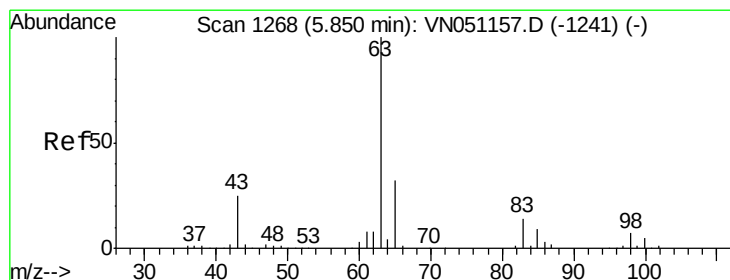
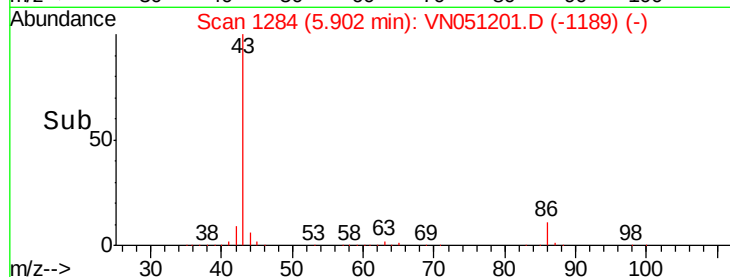
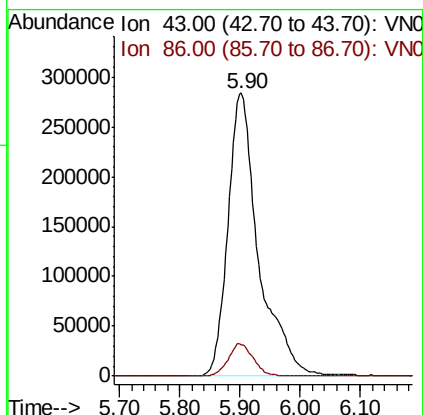
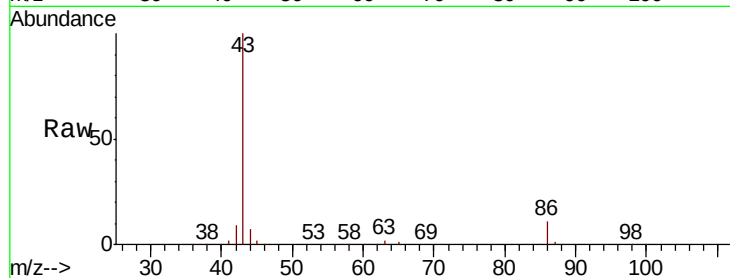




#23
 Vinyl Acetate
 Concen: 82.91 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.01 min
 Lab File: VN051201.D
 Acq: 14 Sep 2018 20:31

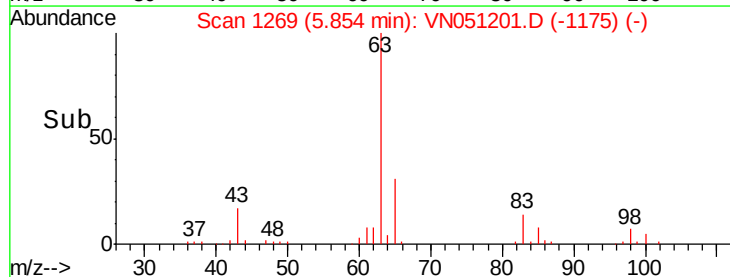
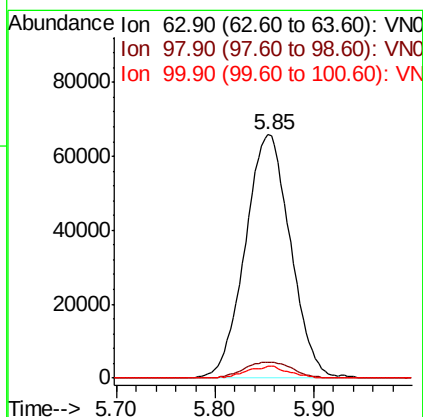
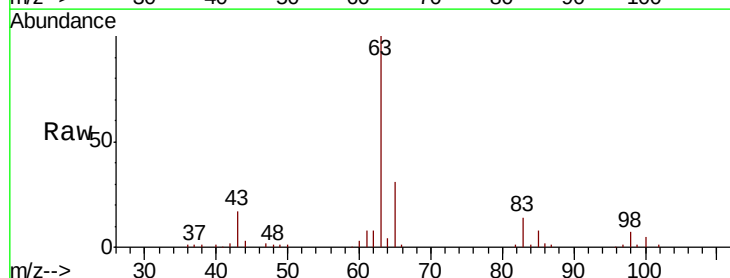
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

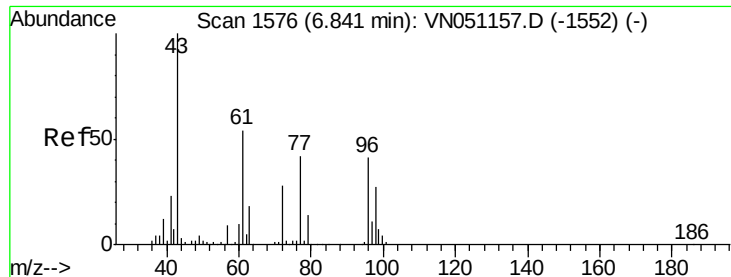
Tot Ion: 43 Resp: 1007732
 Ion Ratio Lower Upper
 43 100
 86 11.1 9.2 13.8



#24
 1,1-Dichloroethane
 Concen: 18.33 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051201.D
 Acq: 14 Sep 2018 20:31

Tgt Ion: 63 Resp: 208845
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.4 10.1
 100 4.8 2.1 6.3

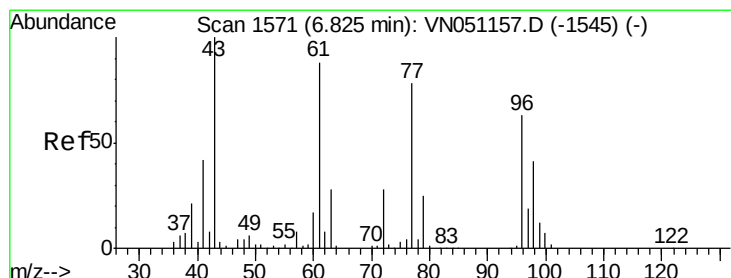
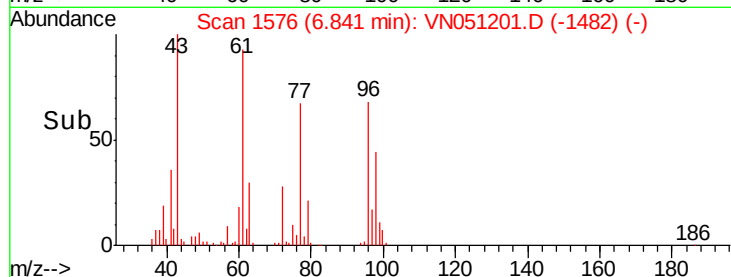
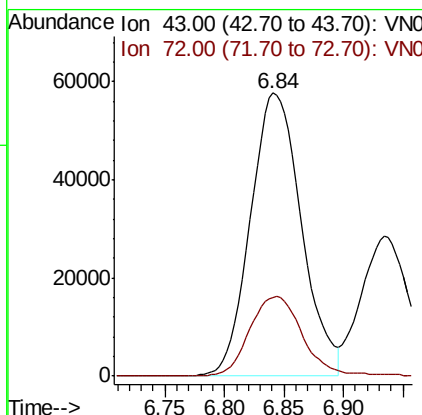
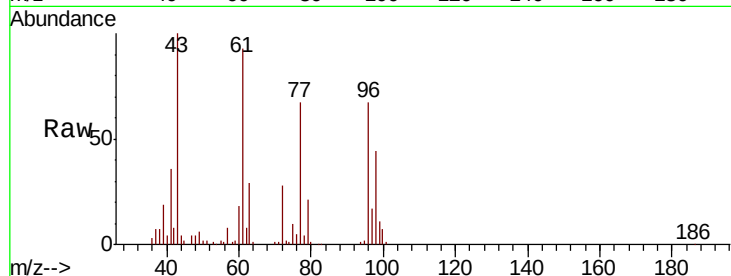




#25
2-Butanone
Concen: 70.31 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051201.D
Acq: 14 Sep 2018 20:31

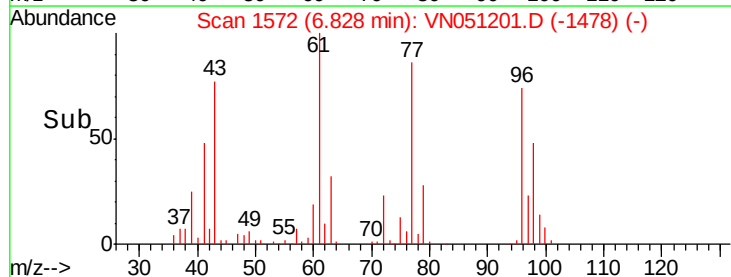
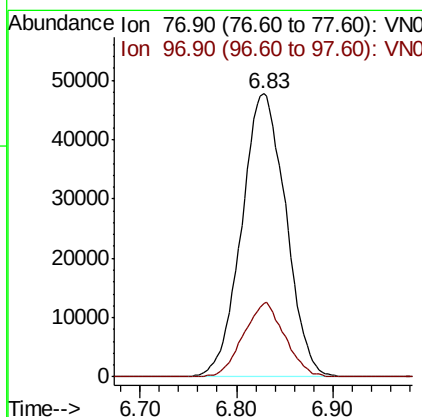
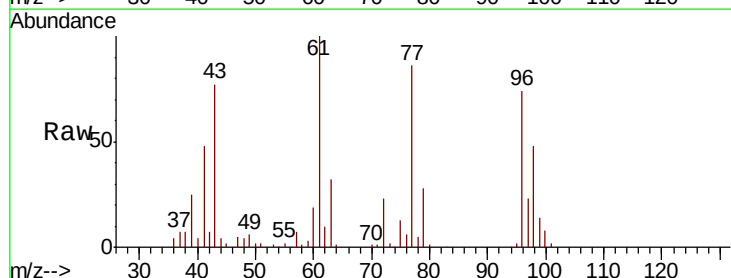
Instrument :
MSVOA_N
ClientSampled :
VN0914WBS03

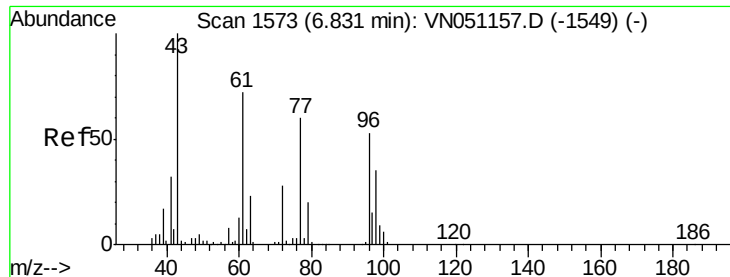
Tot Ion: 43 Resp: 171281
Ion Ratio Lower Upper
43 100
72 27.9 23.0 34.6



#26
2,2-Dichloropropane
Concen: 16.24 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051201.D
Acq: 14 Sep 2018 20:31

Tgt Ion: 77 Resp: 151419
Ion Ratio Lower Upper
77 100
97 24.7 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: VN051201.D

Acq: 14 Sep 2018 20:31

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS03

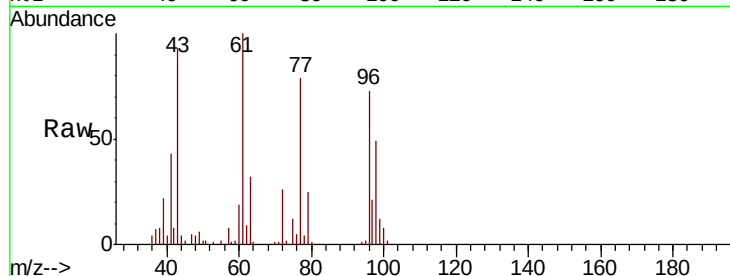
Tot Ion: 96 Resp: 122690

Ion Ratio Lower Upper

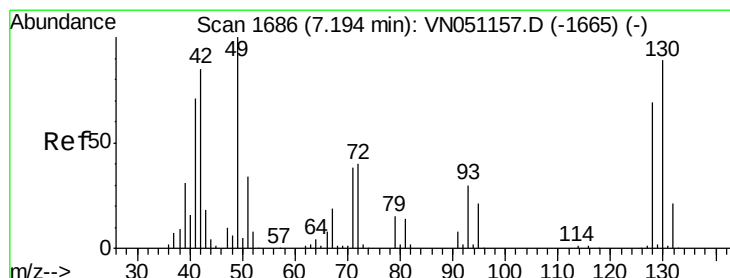
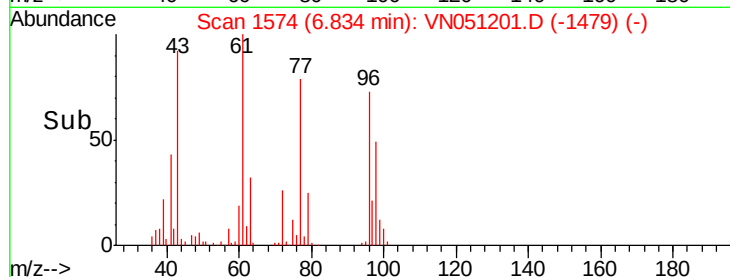
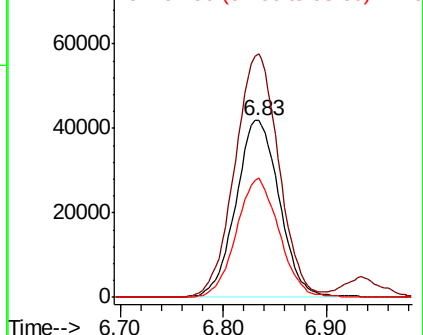
96 100

61 138.9 0.0 278.2

98 66.3 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: 18.86 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051201.D

Acq: 14 Sep 2018 20:31

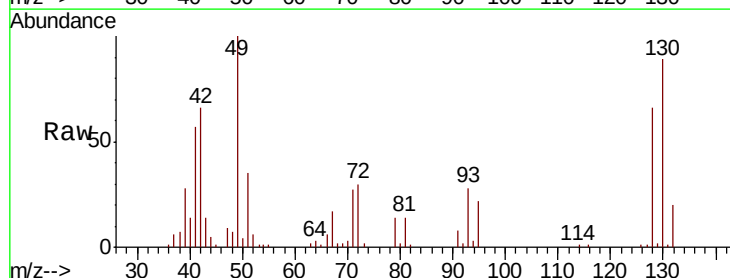
Tgt Ion: 49 Resp: 95670

Ion Ratio Lower Upper

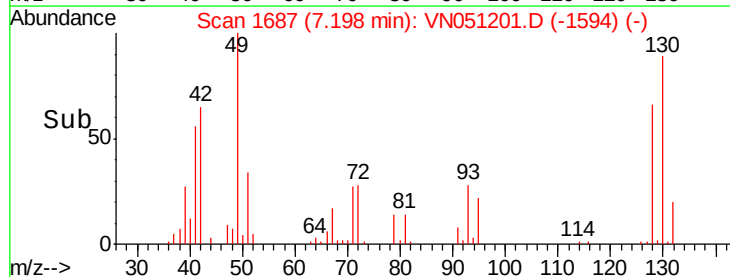
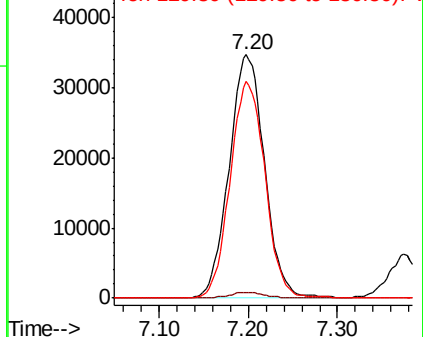
49 100

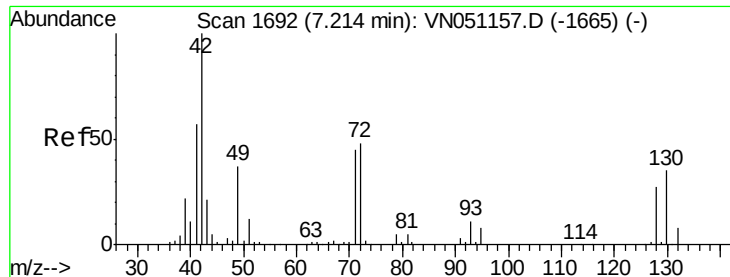
129 1.1 0.0 4.4

130 87.4 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: 75.76 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VN051201.D

Acq: 14 Sep 2018 20:31

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS03

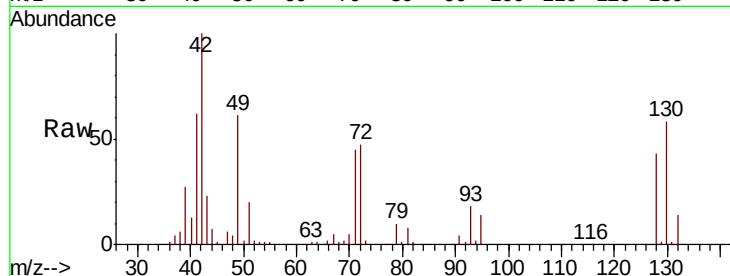
Tot Ion: 42 Resp: 115238

Ion Ratio Lower Upper

42 100

72 46.2 37.4 56.0

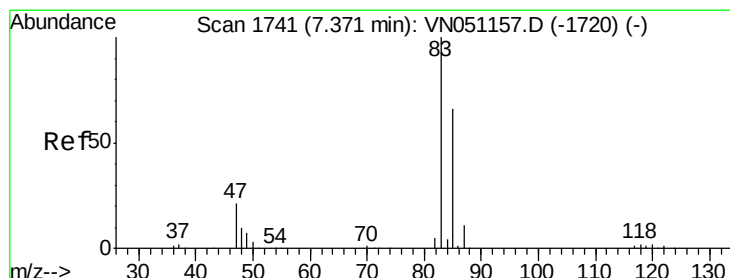
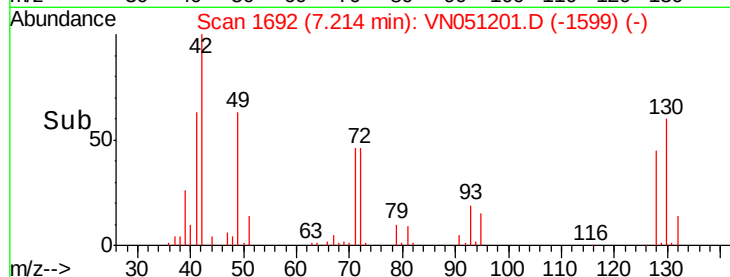
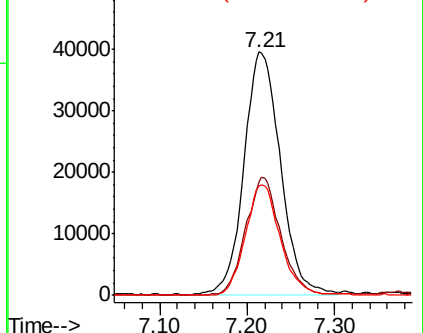
71 43.0 34.7 52.1



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: 19.22 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN051201.D

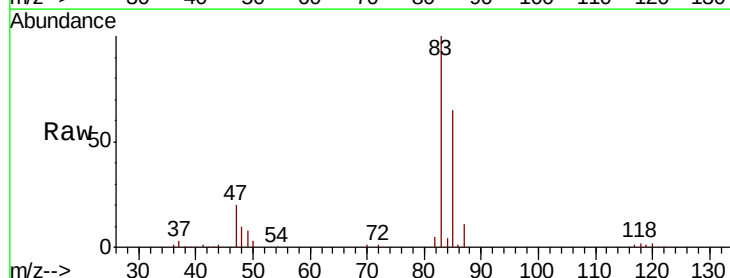
Acq: 14 Sep 2018 20:31

Tgt Ion: 83 Resp: 217819

Ion Ratio Lower Upper

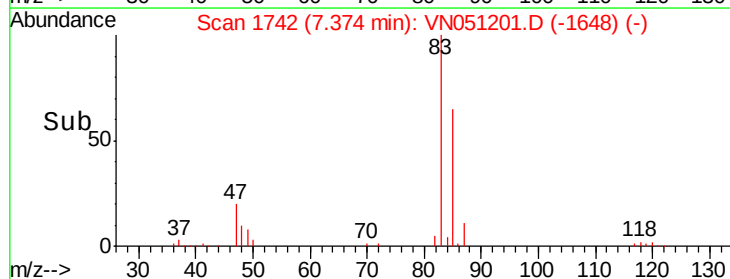
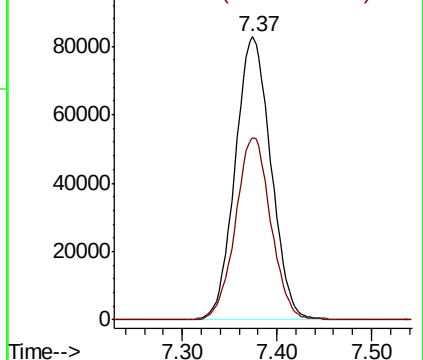
83 100

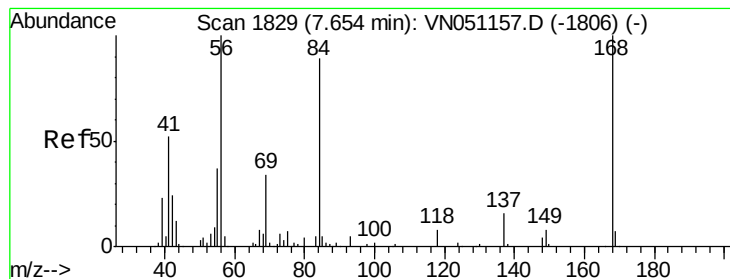
85 64.6 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 16.52 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051201.D

Acq: 14 Sep 2018 20:31

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS03

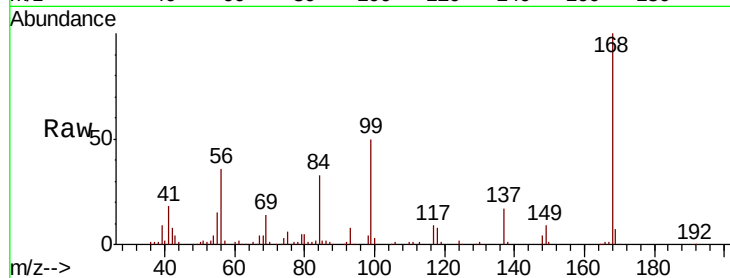
Tot Ion: 56 Resp: 169374

Ion Ratio Lower Upper

56 100

69 37.9 26.3 39.5

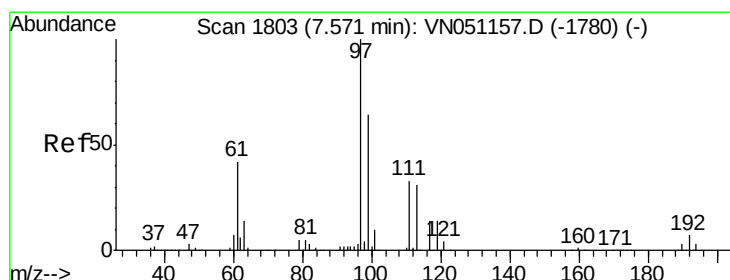
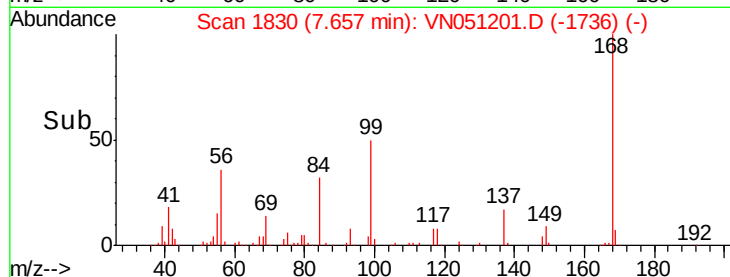
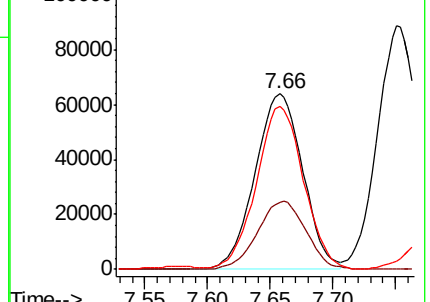
84 91.4 69.4 104.0



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: 18.95 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051201.D

Acq: 14 Sep 2018 20:31

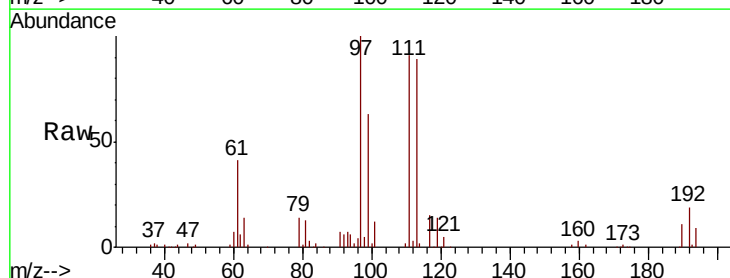
Tgt Ion: 97 Resp: 183014

Ion Ratio Lower Upper

97 100

99 64.2 51.6 77.4

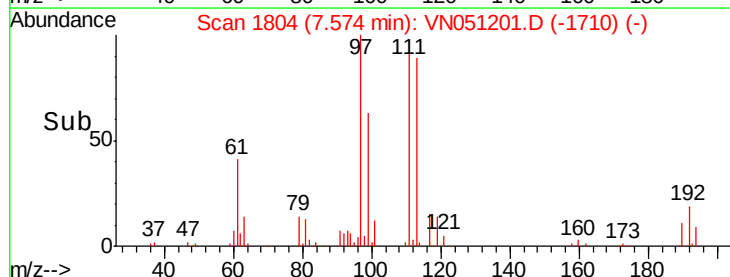
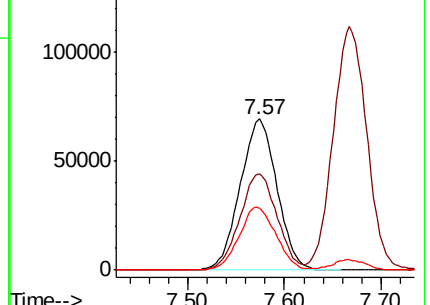
61 41.8 33.8 50.6

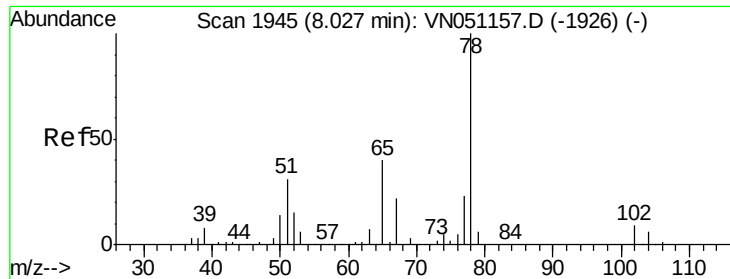


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

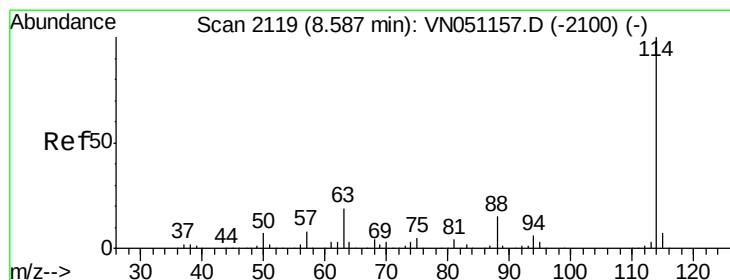
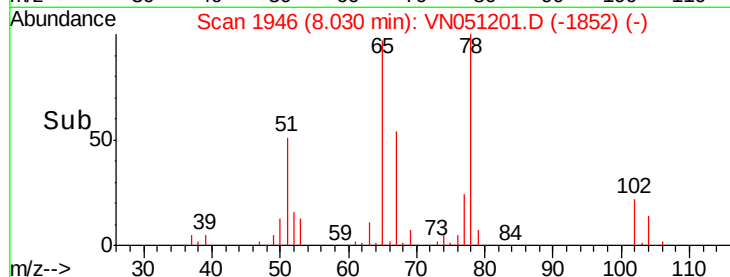
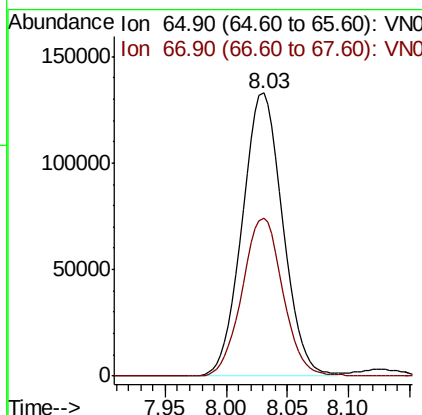
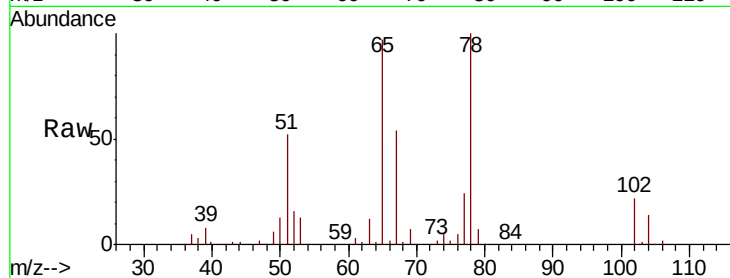




#33
 1,2-Dichloroethane-d4
 Concen: 49.28 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051201.D
 Acq: 14 Sep 2018 20:31

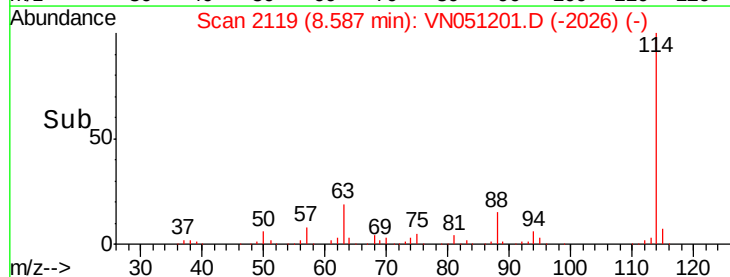
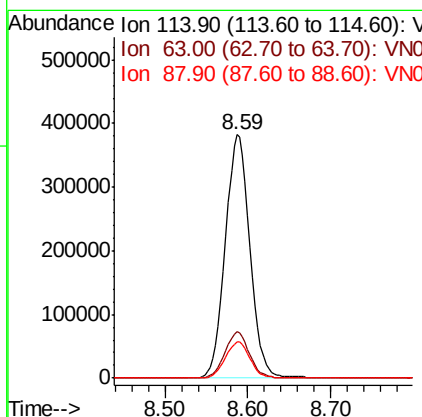
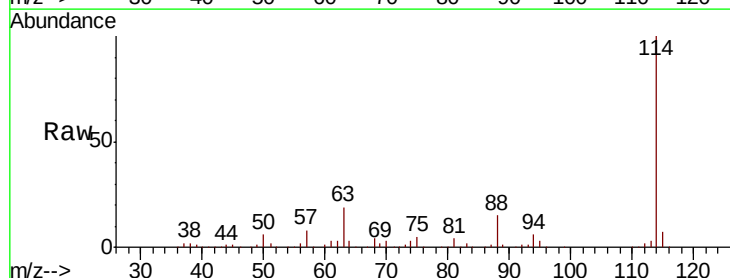
Instrument :
 MSVOA_N
 ClientSampled :
 VN0914WBS03

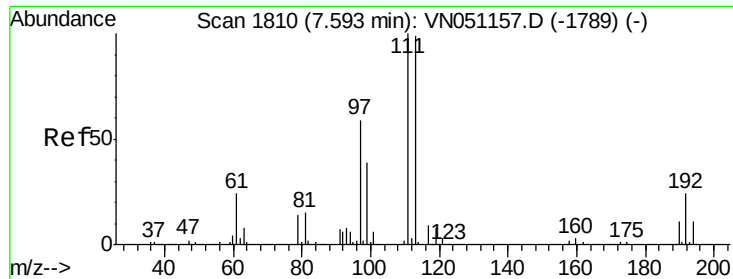
Tot Ion: 65 Resp: 305343
 Ion Ratio Lower Upper
 65 100
 67 56.1 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051201.D
 Acq: 14 Sep 2018 20:31

Tgt Ion: 114 Resp: 789028
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 37.8
 88 14.9 0.0 30.8

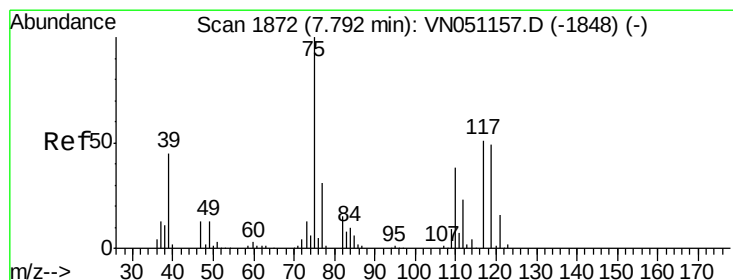
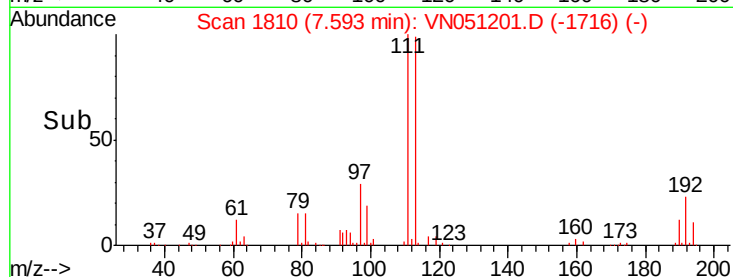
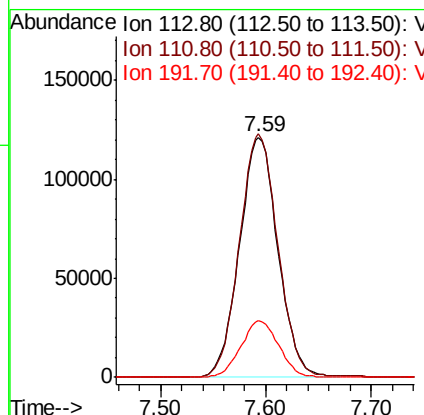
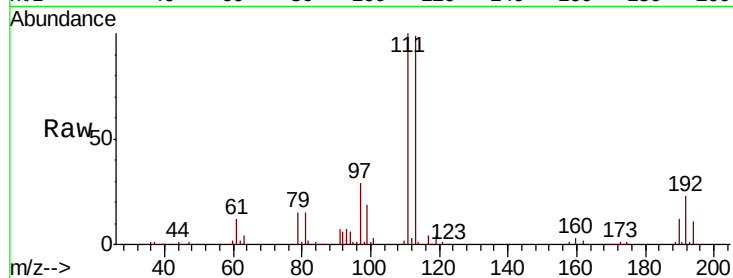




#35
 Dibromofluoromethane
 Concen: 51.75 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051201.D
 Acq: 14 Sep 2018 20:31

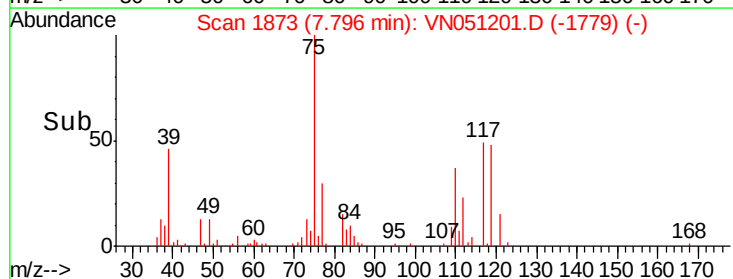
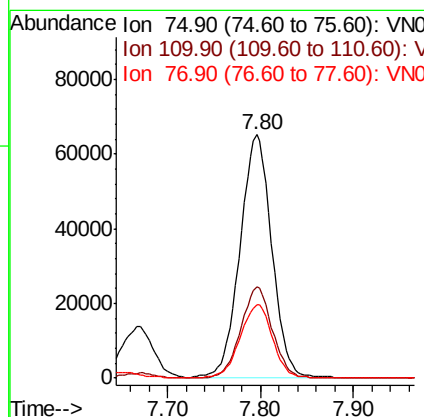
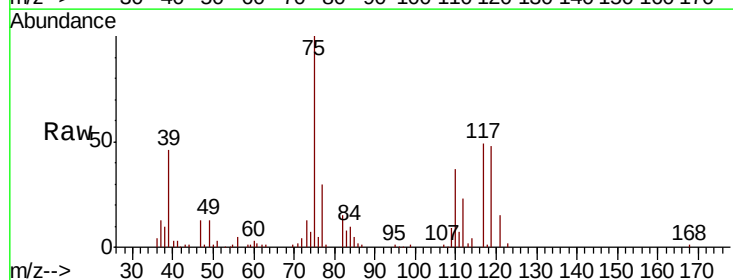
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

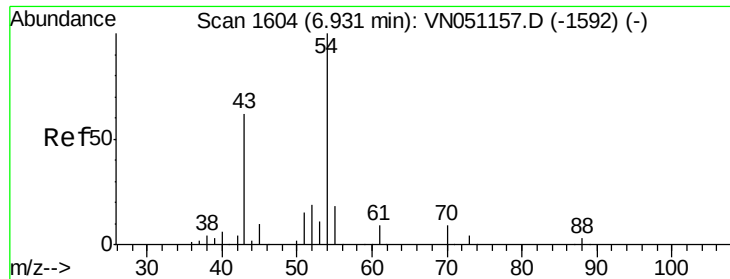
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	83.0	124.6
192	23.4	18.7	28.1



#36
 1,1-Dichloropropene
 Concen: 17.79 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051201.D
 Acq: 14 Sep 2018 20:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.5	18.6	55.8
77	31.0	25.2	37.8

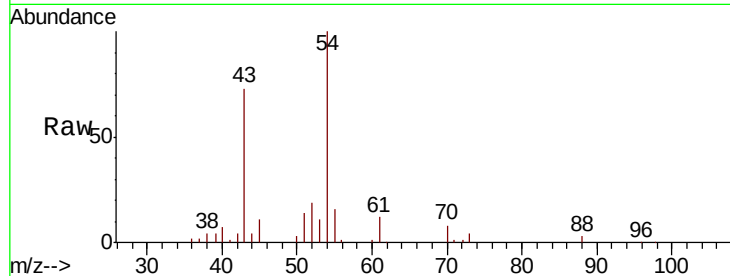




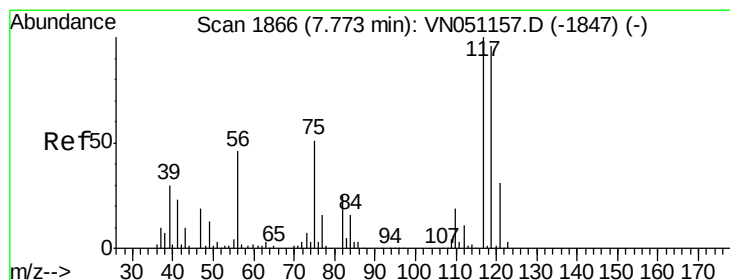
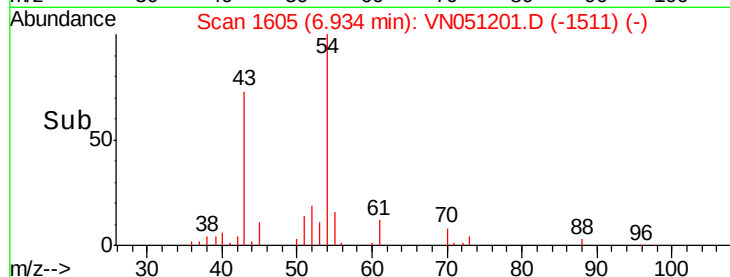
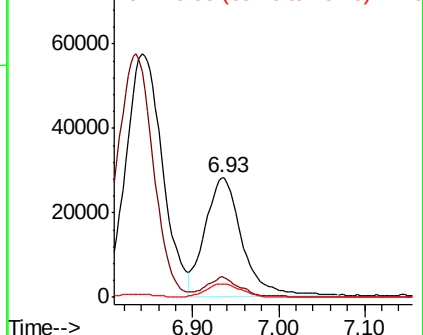
#37
Ethyl Acetate
Concen: 16.62 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051201.D
Acq: 14 Sep 2018 20:31

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS03

Tot Ion: 43 Resp: 83380
Ion Ratio Lower Upper
43 100
61 15.7 12.4 18.6
70 11.1 9.3 13.9

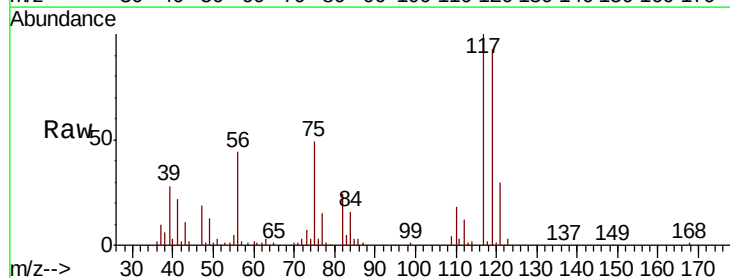


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

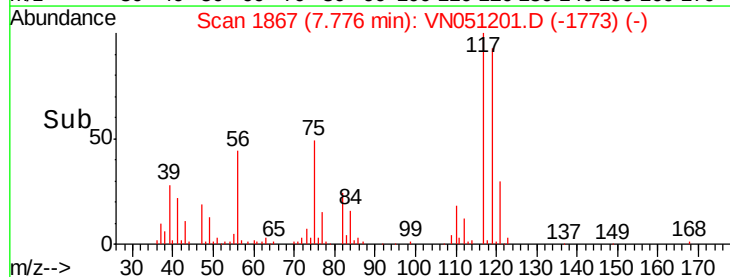
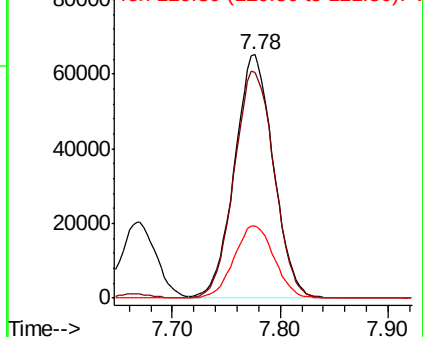


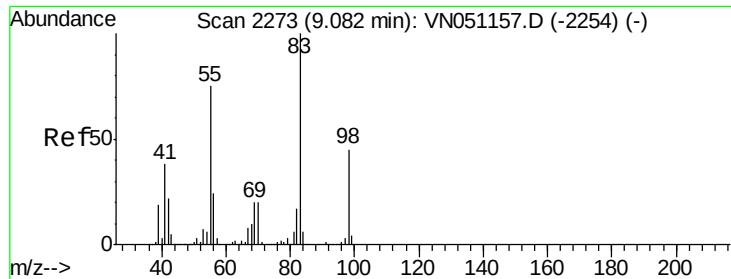
#38
Carbon Tetrachloride
Concen: 19.15 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051201.D
Acq: 14 Sep 2018 20:31

Tgt Ion: 117 Resp: 163250
Ion Ratio Lower Upper
117 100
119 92.9 76.8 115.2
121 29.7 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

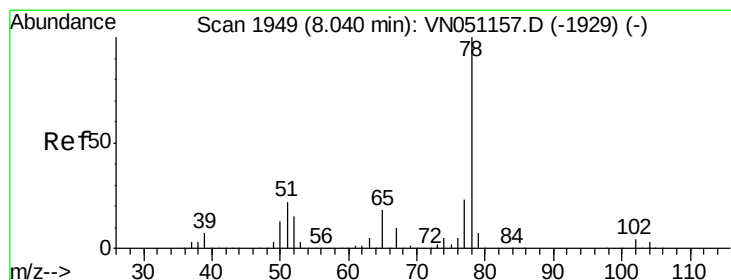
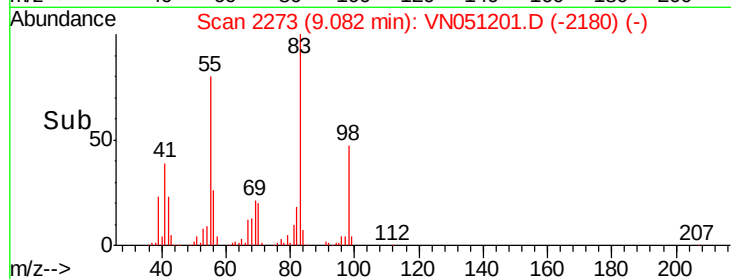
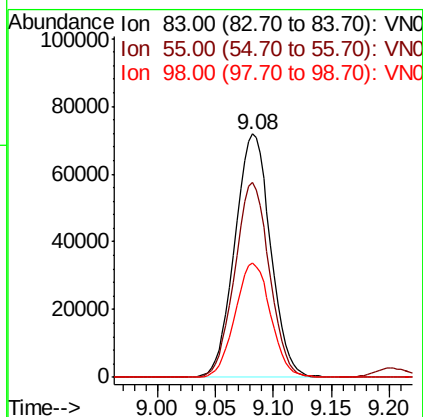
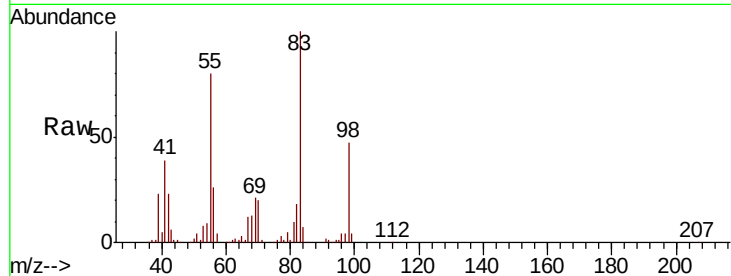




#39
Methylvlcyclohexane
Concen: 16.08 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051201.D
Acq: 14 Sep 2018 20:31

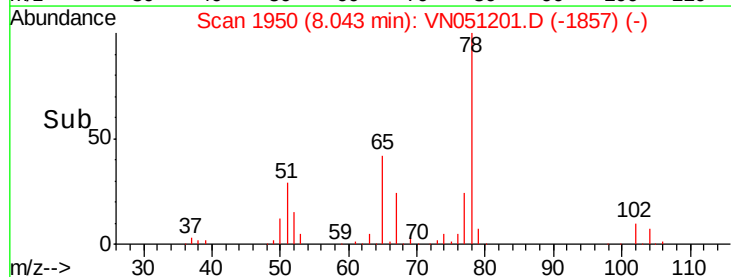
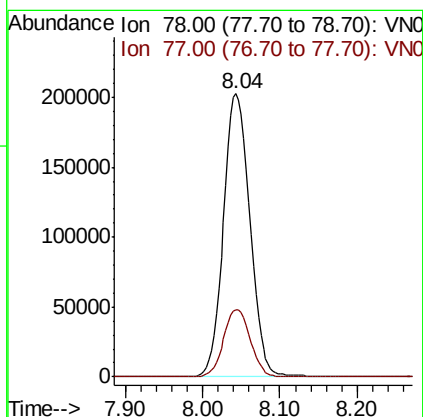
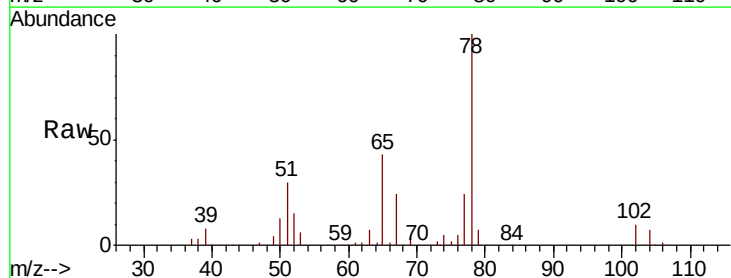
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS03

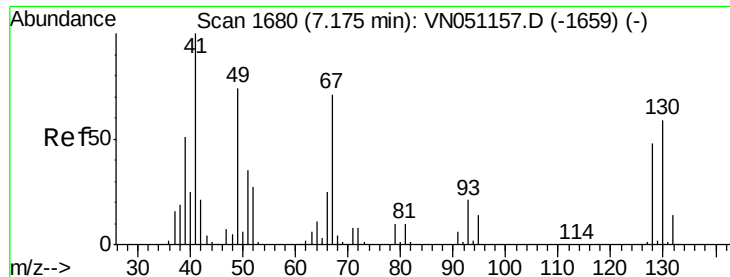
Tot Ion: 83 Resp: 153729
Ion Ratio Lower Upper
83 100
55 80.0 58.4 87.6
98 47.0 37.3 55.9



#40
Benzene
Concen: 18.44 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051201.D
Acq: 14 Sep 2018 20:31

Tgt Ion: 78 Resp: 481239
Ion Ratio Lower Upper
78 100
77 23.8 18.6 27.8

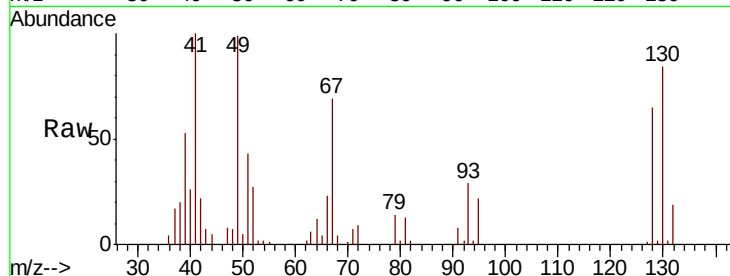




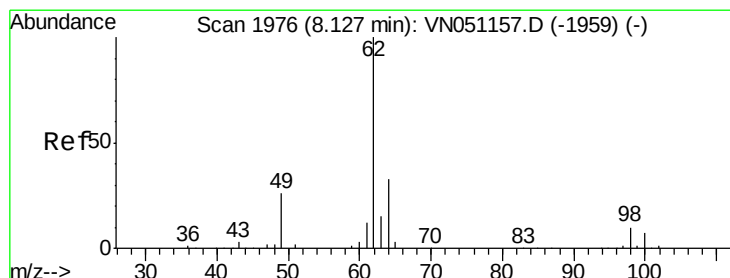
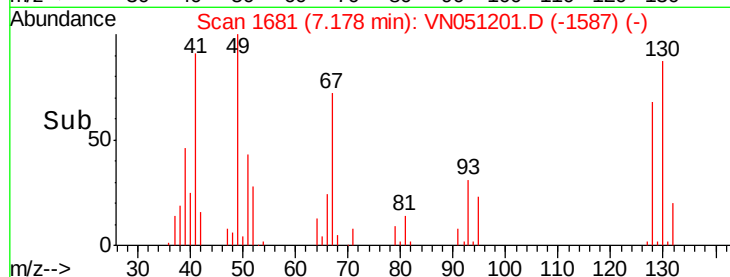
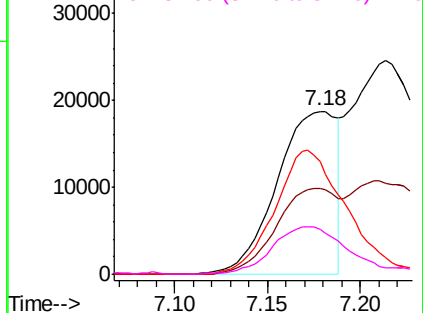
#41
Methacrylonitrile
Concen: 16.34 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN051201.D
Acq: 14 Sep 2018 20:31

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS03

Tot Ion: 41 Resp: 42295
Ion Ratio Lower Upper
41 100
39 56.2 51.3 76.9
67 91.9 78.5 117.7
52 38.3 29.0 43.6

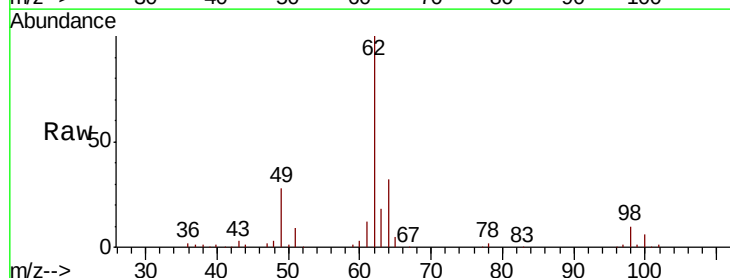


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

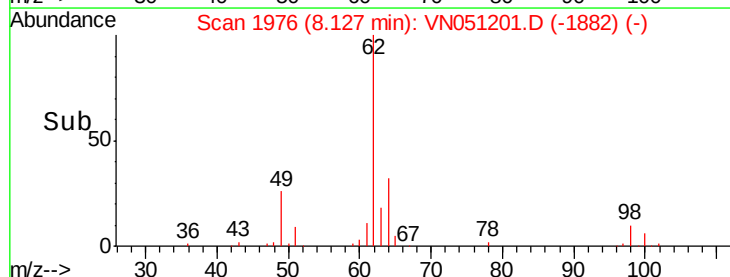
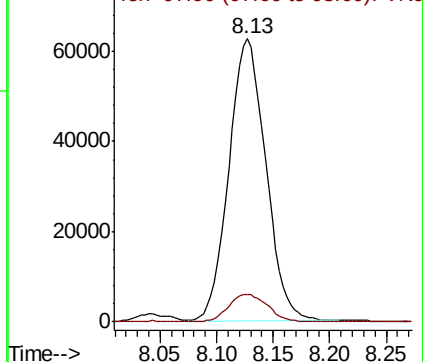


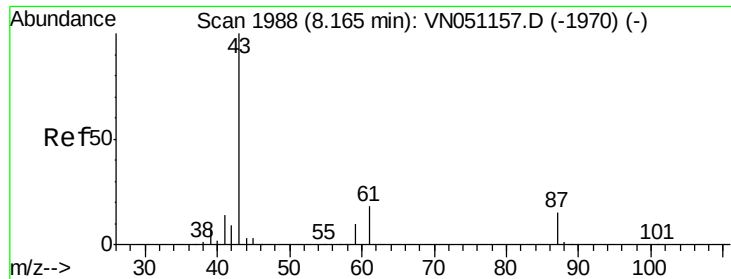
#42
1,2-Dichloroethane
Concen: 18.66 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051201.D
Acq: 14 Sep 2018 20:31

Tgt Ion: 62 Resp: 141982
Ion Ratio Lower Upper
62 100
98 10.3 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 17.39 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051201.D

Acq: 14 Sep 2018 20:31

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS03

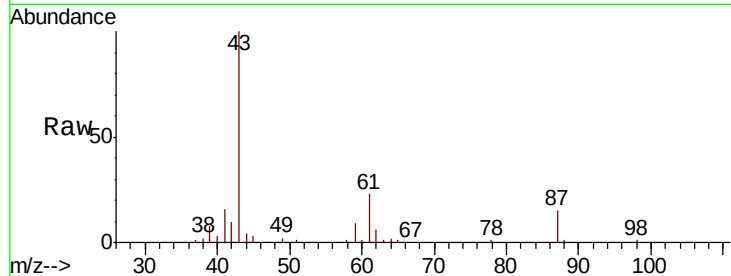
Tot Ion: 43 Resp: 153952

Ion Ratio Lower Upper

43 100

61 20.5 25.0 37.6#

87 13.8 11.8 17.8

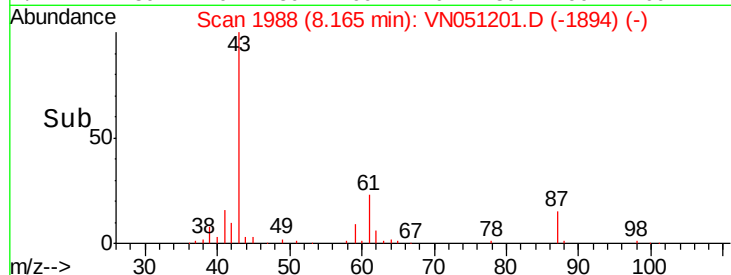


Abundance Ion 43.00 (42.70 to 43.70): VN051157.D (-1970) (-)

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

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

Time-->

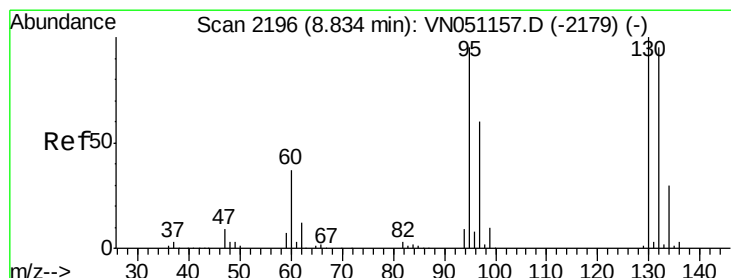


Abundance Ion 43.00 (42.70 to 43.70): VN051201.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN051201.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN051201.D (-1894) (-)

Time-->



#44

Trichloroethene

Concen: 17.84 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051201.D

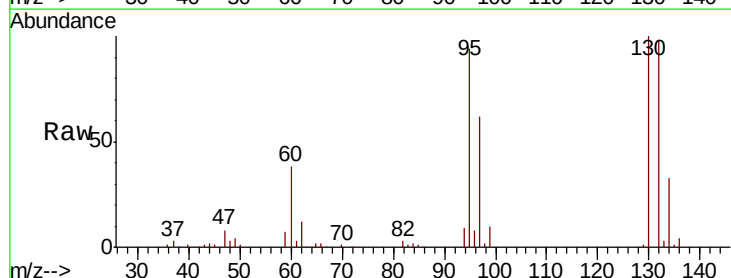
Acq: 14 Sep 2018 20:31

Tgt Ion: 130 Resp: 127373

Ion Ratio Lower Upper

130 100

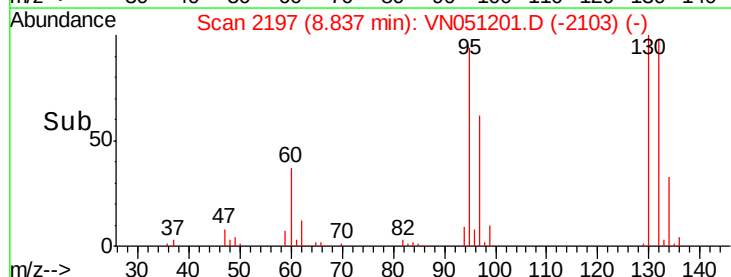
95 94.1 0.0 186.2



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

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

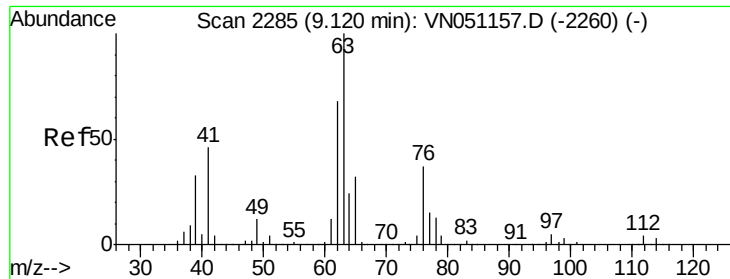
Time-->



Abundance Ion 129.80 (129.50 to 130.50): VN051201.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN051201.D (-2103) (-)

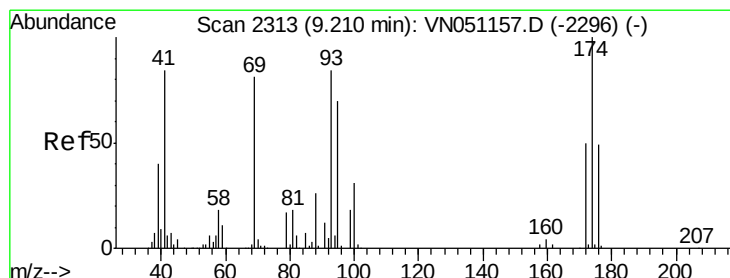
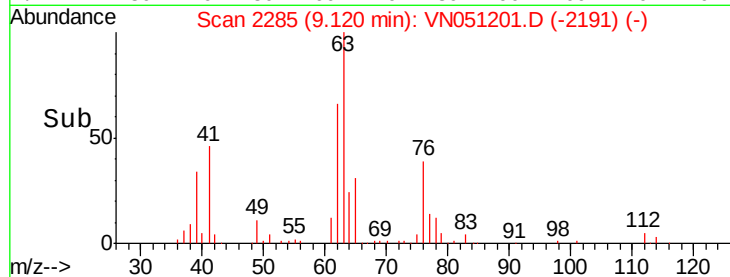
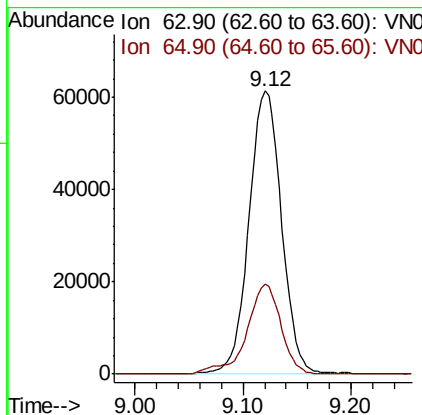
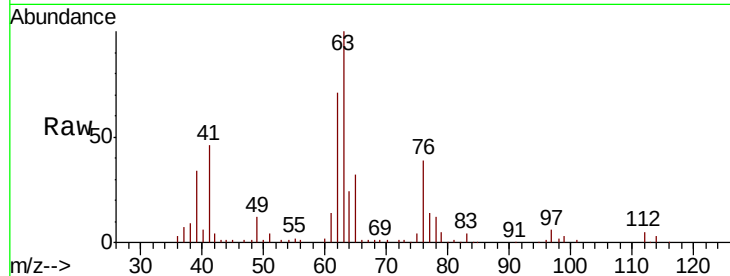
Time-->



#45
 1,2-Dichloropropane
 Concen: 19.11 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051201.D
 Acq: 14 Sep 2018 20:31

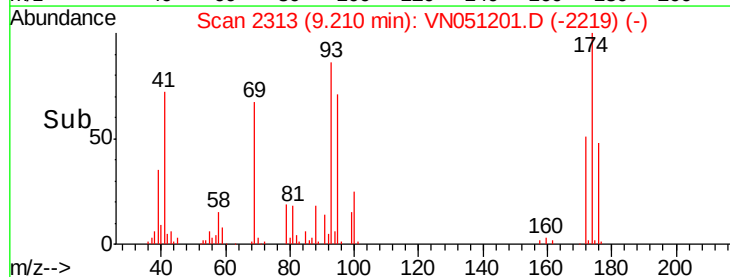
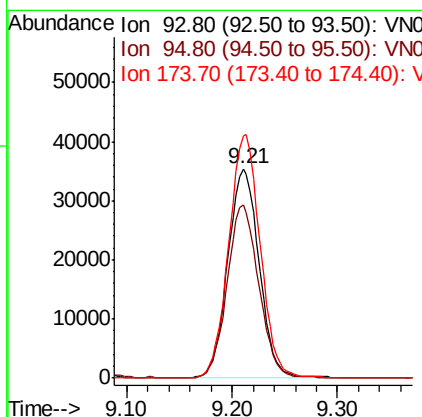
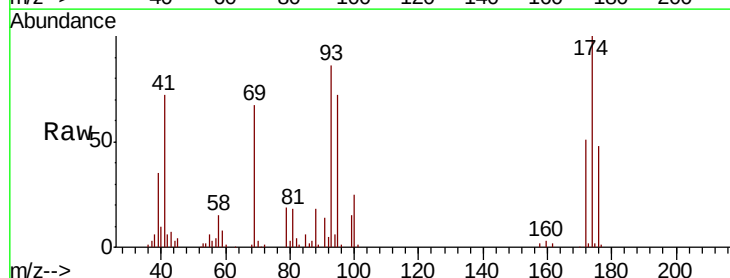
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

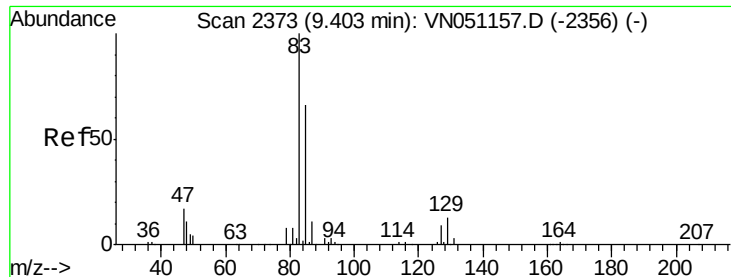
Tot Ion: 63 Resp: 128897
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.7 37.1



#46
 Dibromomethane
 Concen: 17.77 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051201.D
 Acq: 14 Sep 2018 20:31

Tgt Ion: 93 Resp: 73112
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.8 100.2
 174 116.2 93.3 139.9

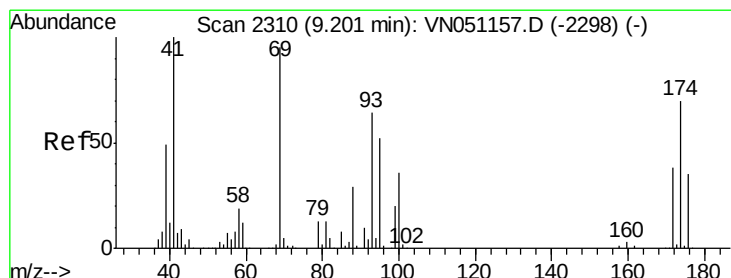
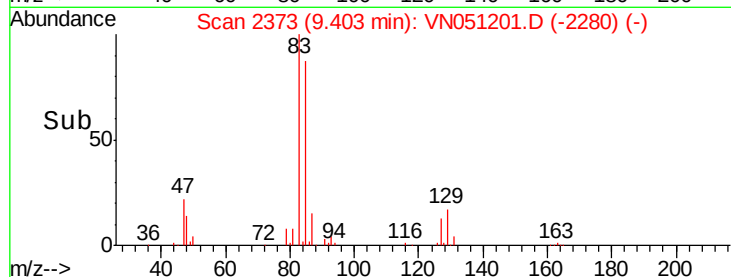
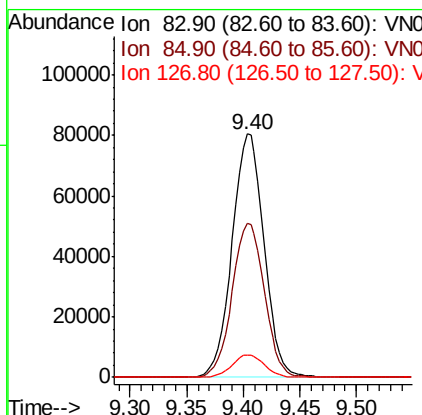
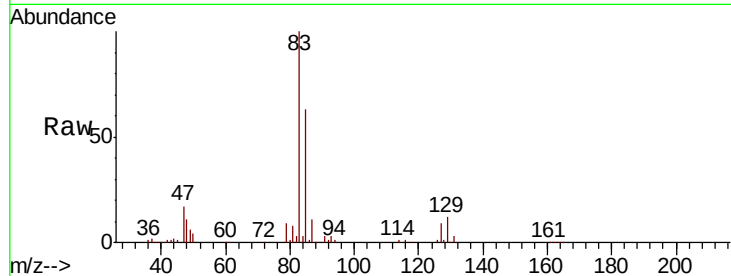




#47
Bromodichloromethane
Concen: 18.93 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051201.D
Acq: 14 Sep 2018 20:31

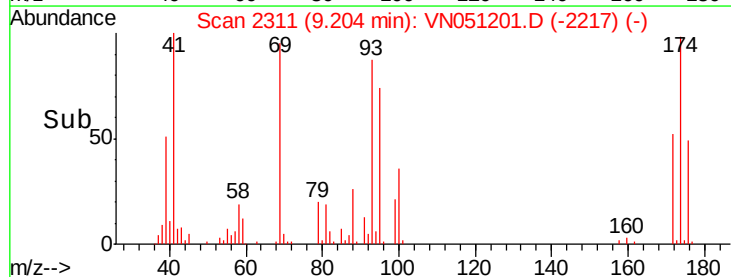
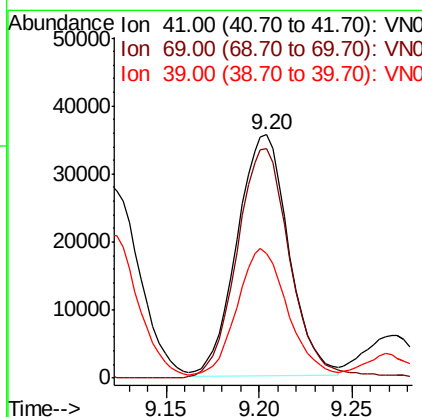
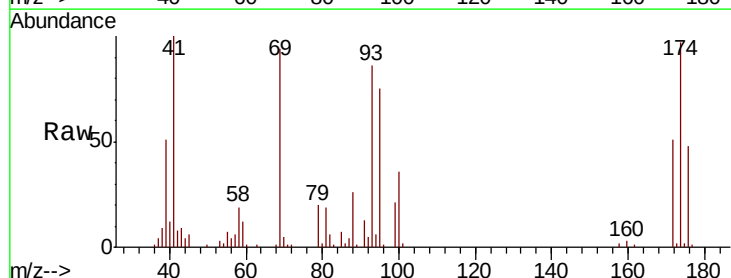
Instrument :
MSVOA_N
ClientSampled :
VN0914WBS03

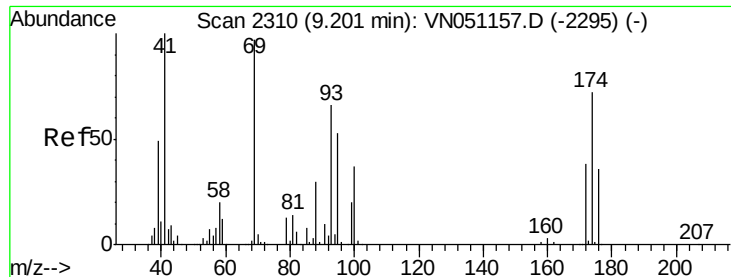
Tot Ion: 83 Resp: 158417
Ion Ratio Lower Upper
83 100
85 63.2 52.3 78.5
127 9.3 7.5 11.3



#48
Methyl methacrylate
Concen: 16.07 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN051201.D
Acq: 14 Sep 2018 20:31

Tgt Ion: 41 Resp: 69345
Ion Ratio Lower Upper
41 100
69 97.8 77.7 116.5
39 52.1 41.6 62.4

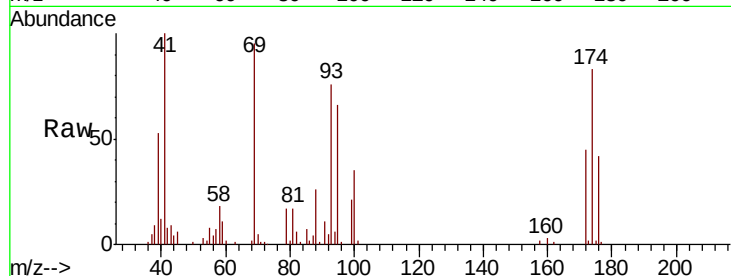




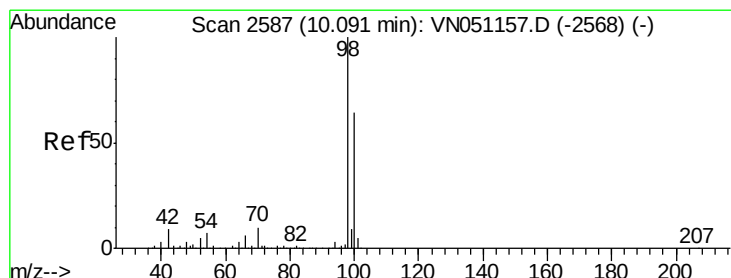
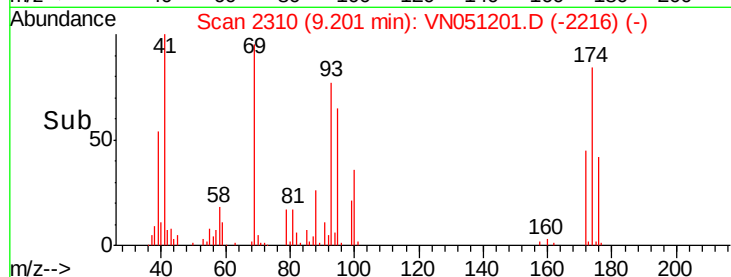
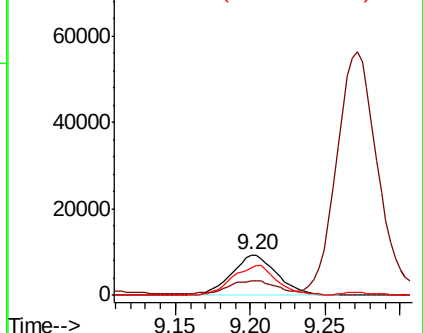
#49
1,4-Dioxane
Concen: 289.41 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051201.D
Acq: 14 Sep 2018 20:31

Instrument :
MSVOA_N
ClientSampled :
VN0914WBS03

Tot Ion: 88 Resp: 19579
Ion Ratio Lower Upper
88 100
43 33.6 23.7 35.5
58 73.2 54.6 82.0

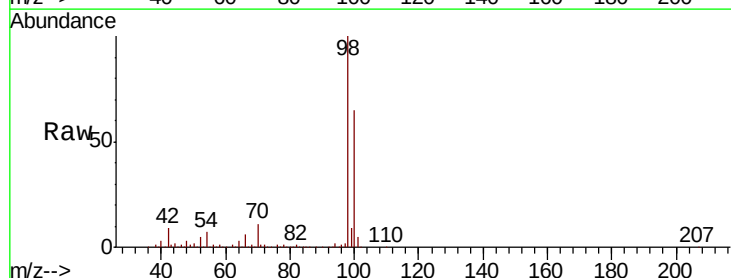


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

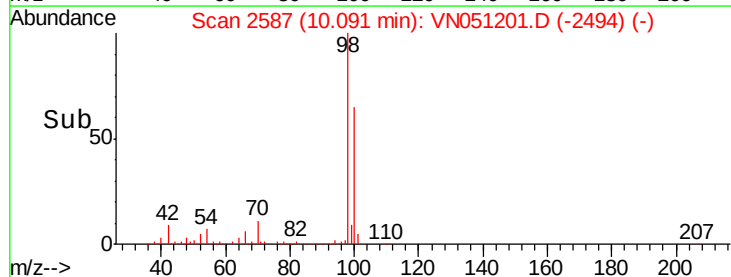
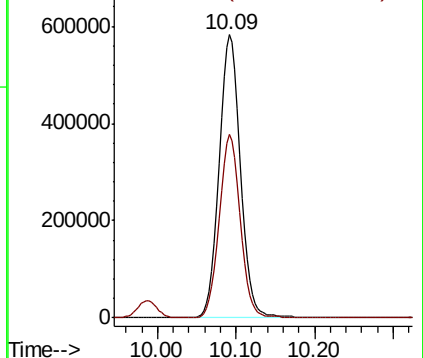


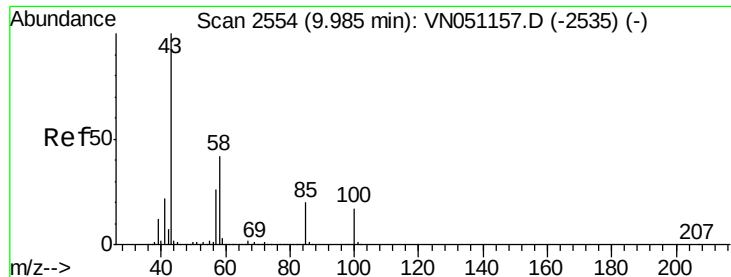
#50
Toluene-d8
Concen: 48.10 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051201.D
Acq: 14 Sep 2018 20:31

Tgt Ion: 98 Resp: 1082205
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

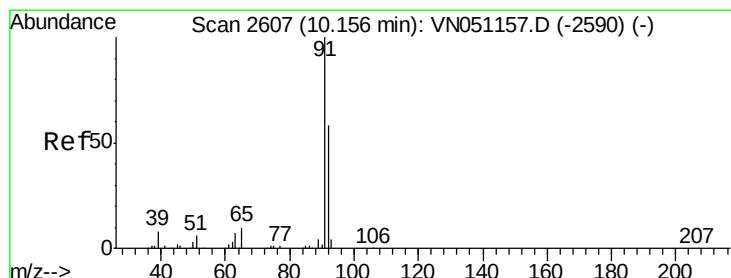
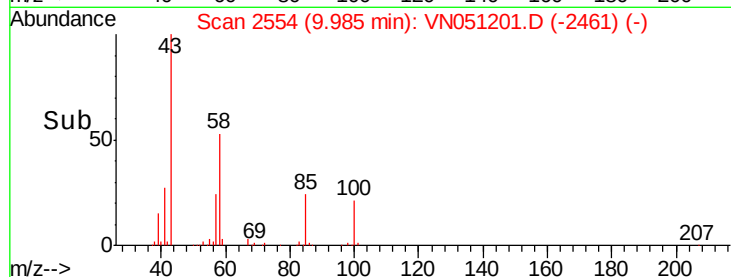
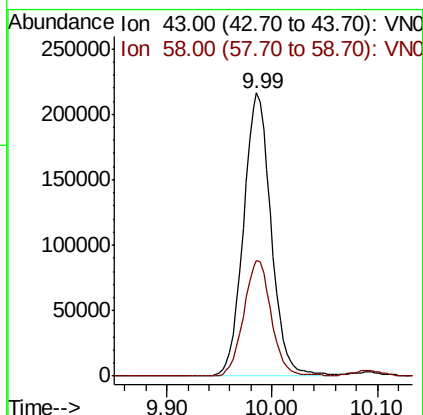
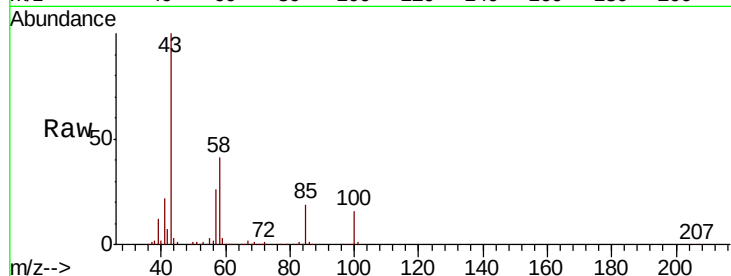




#51
 4-Methyl-2-Pentanone
 Concen: 80.16 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN051201.D
 Acq: 14 Sep 2018 20:31

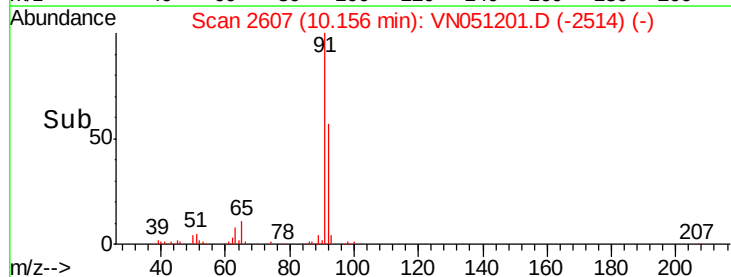
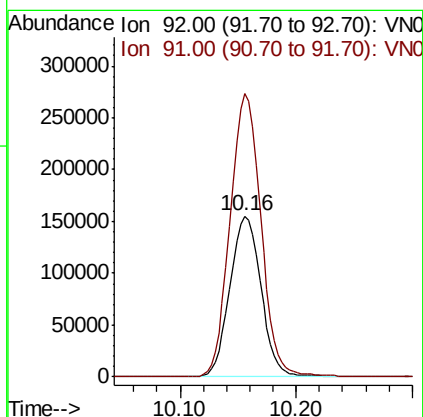
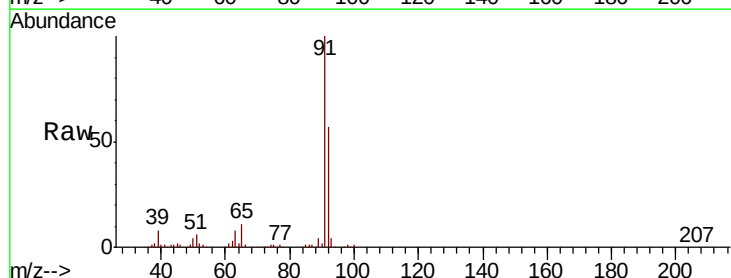
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

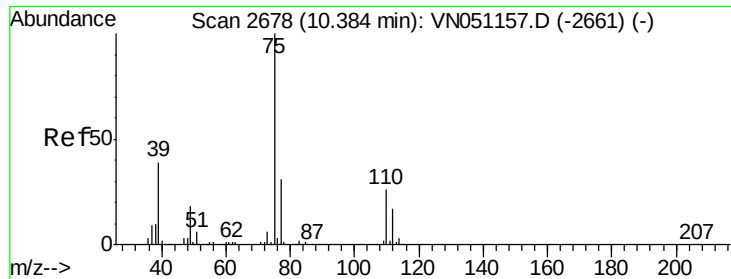
Tot Ion: 43 Resp: 392427
 Ion Ratio Lower Upper
 43 100
 58 41.1 33.5 50.3



#52
 Toluene
 Concen: 18.11 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN051201.D
 Acq: 14 Sep 2018 20:31

Tgt Ion: 92 Resp: 288282
 Ion Ratio Lower Upper
 92 100
 91 175.1 139.5 209.3

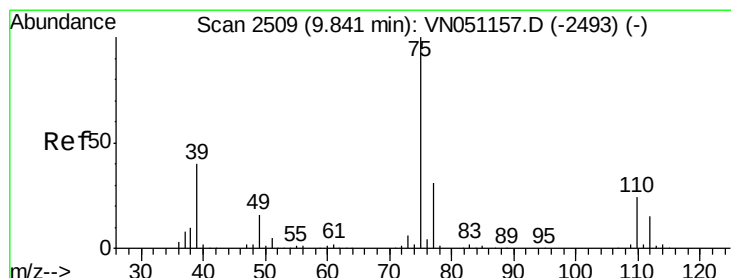
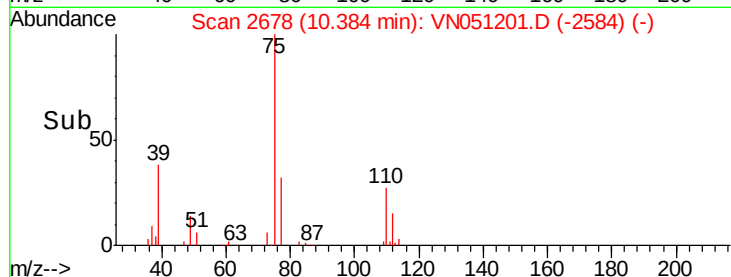
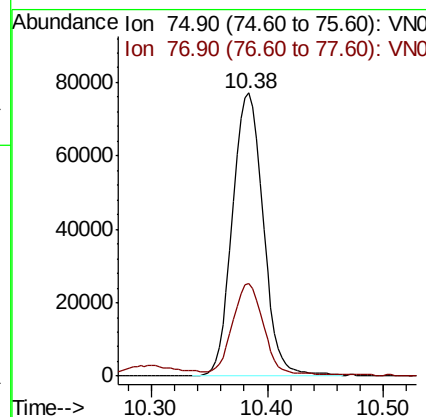
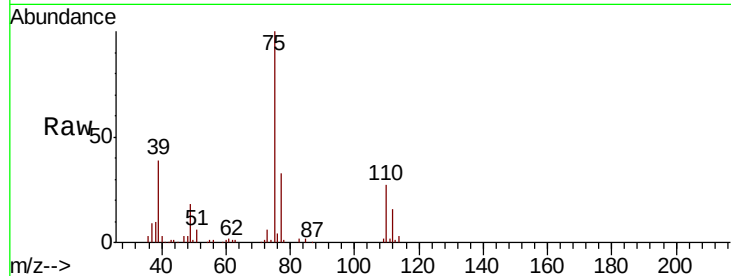




#53
t-1,3-Dichloropropene
Concen: 16.96 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051201.D
Acq: 14 Sep 2018 20:31

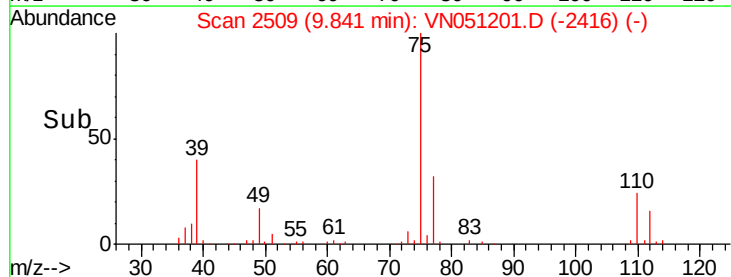
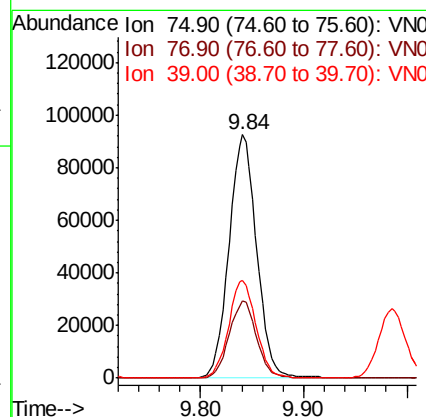
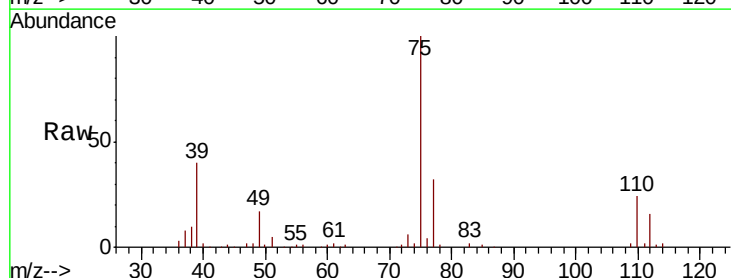
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS03

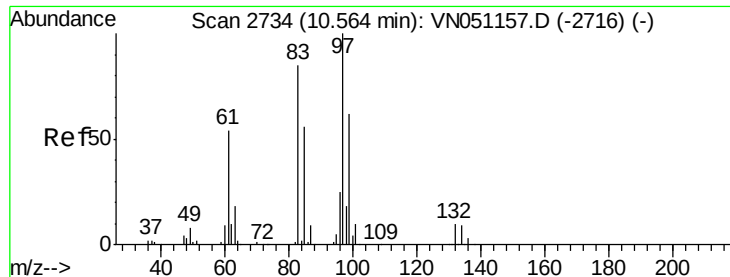
Tot Ion: 75 Resp: 142031
Ion Ratio Lower Upper
75 100
77 32.3 25.3 37.9



#54
cis-1,3-Dichloropropene
Concen: 17.59 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051201.D
Acq: 14 Sep 2018 20:31

Tgt Ion: 75 Resp: 172723
Ion Ratio Lower Upper
75 100
77 31.8 25.7 38.5
39 40.1 31.9 47.9

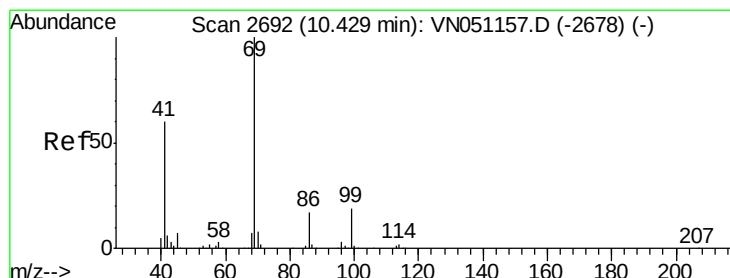
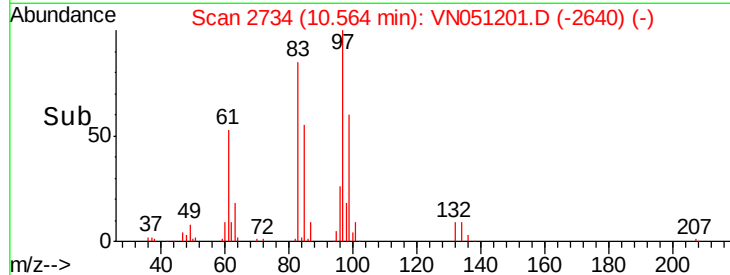
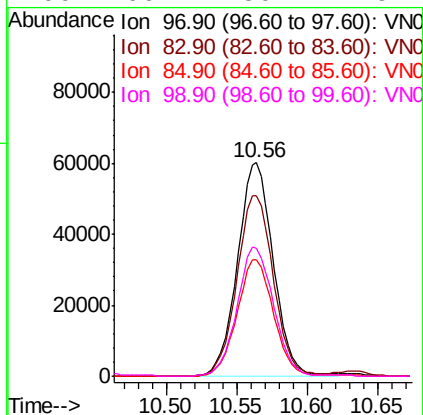
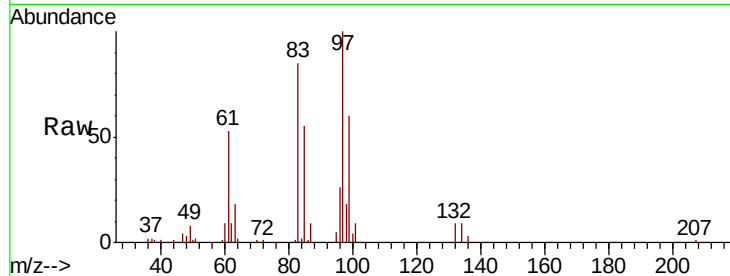




#55
 1,1,2-Trichloroethane
 Concen: 18.52 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051201.D
 Acq: 14 Sep 2018 20:31

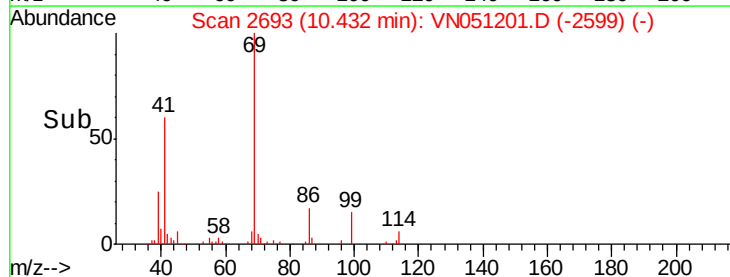
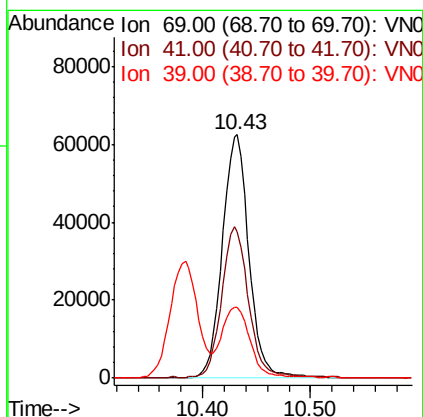
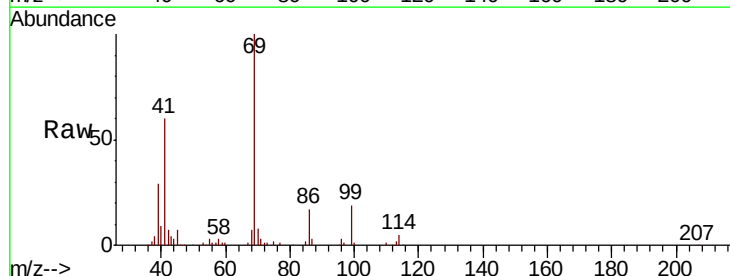
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

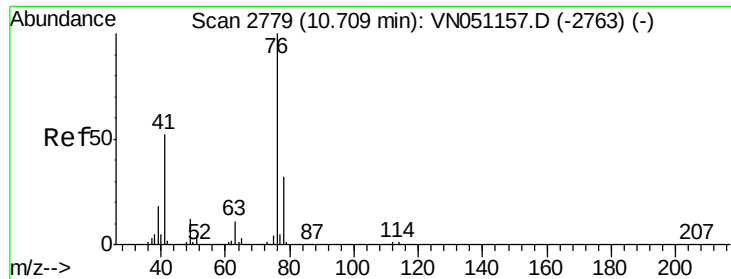
Tot Ion: 97 Resp: 107079
 Ion Ratio Lower Upper
 97 100
 83 84.8 68.2 102.2
 85 54.7 44.8 67.2
 99 60.1 50.2 75.4



#56
 Ethyl methacrylate
 Concen: 15.60 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN051201.D
 Acq: 14 Sep 2018 20:31

Tgt Ion: 69 Resp: 107300
 Ion Ratio Lower Upper
 69 100
 41 61.9 47.8 71.8
 39 29.7 23.0 34.4





#57

1,3-Dichloropropane

Concen: 18.02 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051201.D

Acq: 14 Sep 2018 20:31

Instrument :

MSVOA_N

ClientSampled :

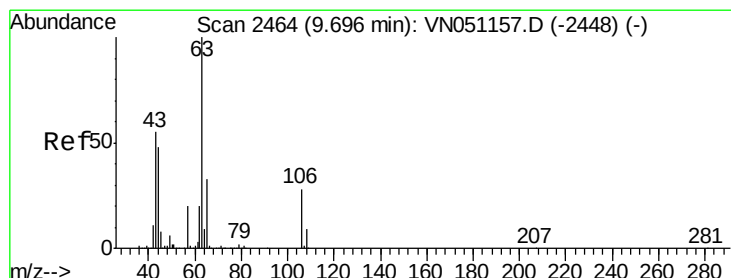
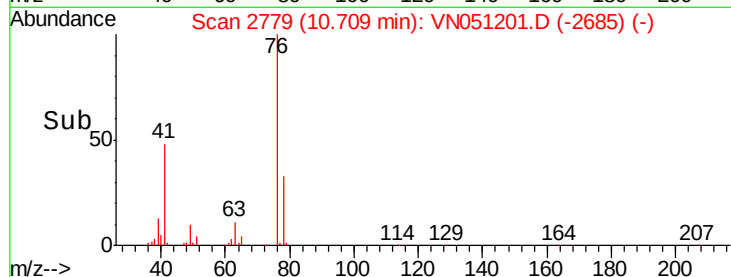
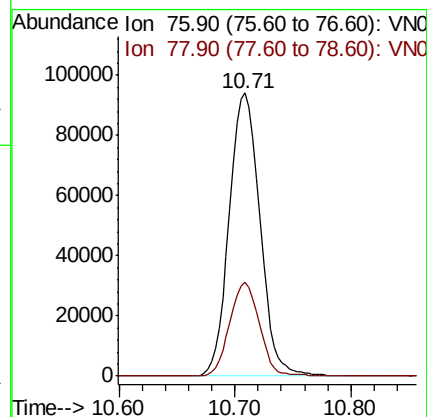
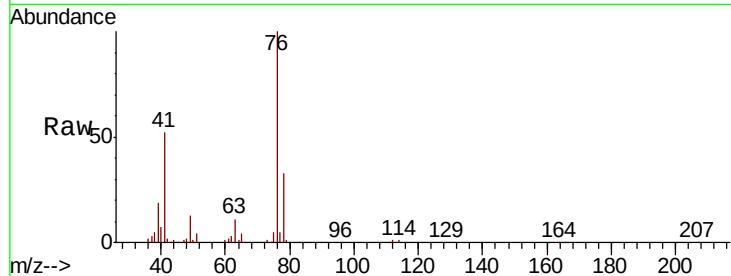
VN0914WBS03

Tot Ion: 76 Resp: 172785

Ion Ratio Lower Upper

76 100

78 32.1 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 80.54 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051201.D

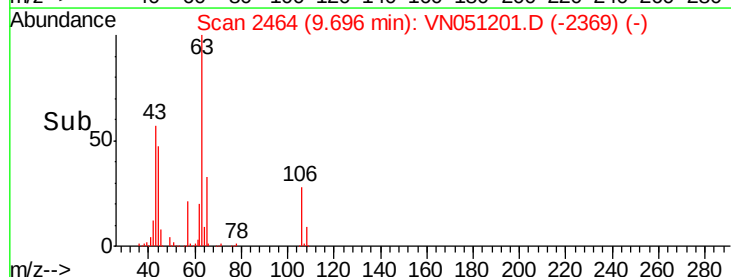
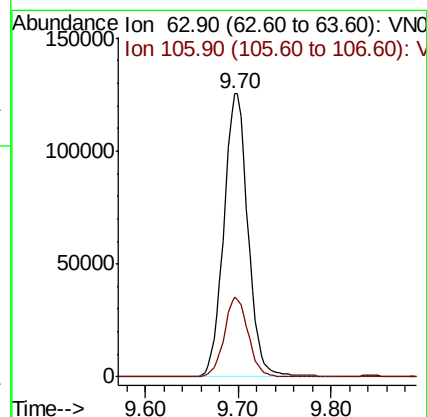
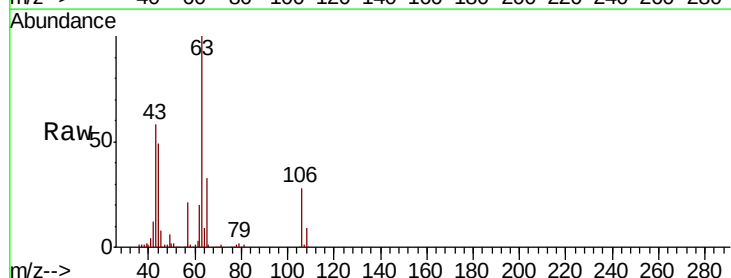
Acq: 14 Sep 2018 20:31

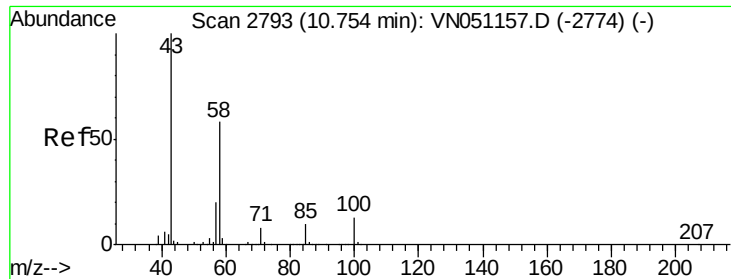
Tgt Ion: 63 Resp: 226876

Ion Ratio Lower Upper

63 100

106 27.7 22.5 33.7

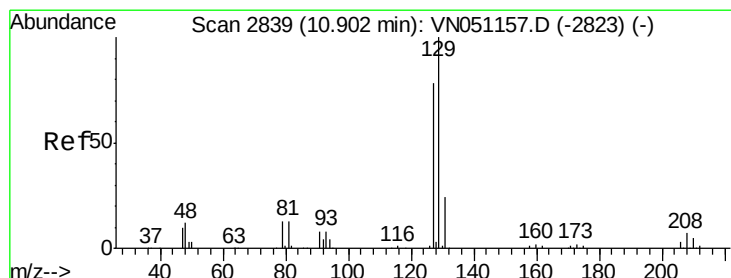
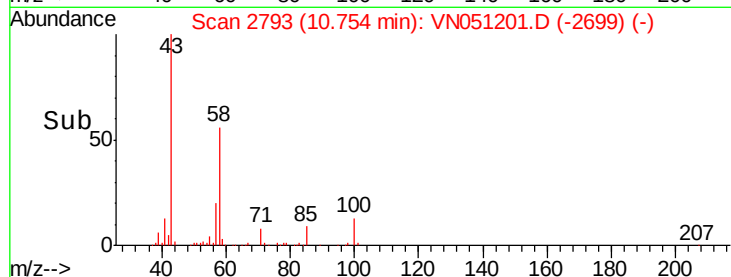
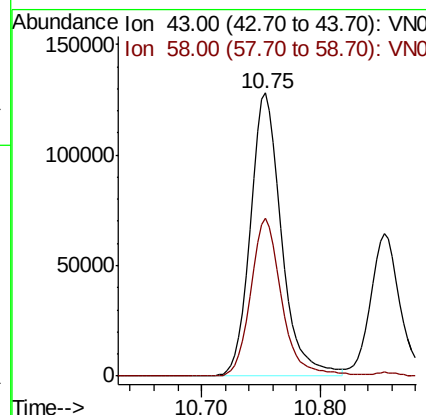
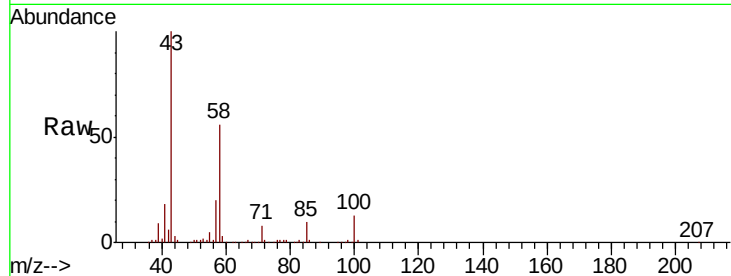




#59
2-Hexanone
Concen: 69.79 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051201.D
Acq: 14 Sep 2018 20:31

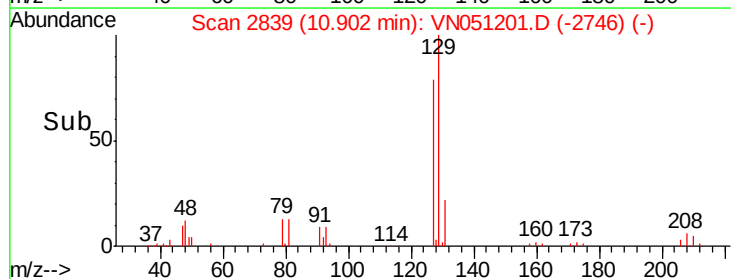
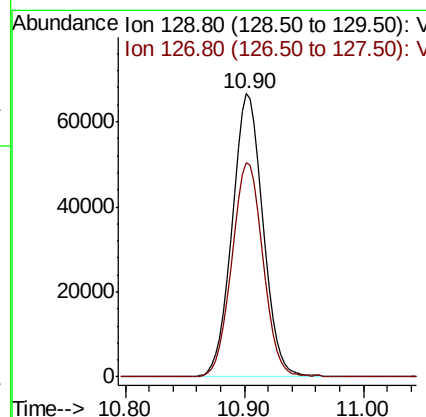
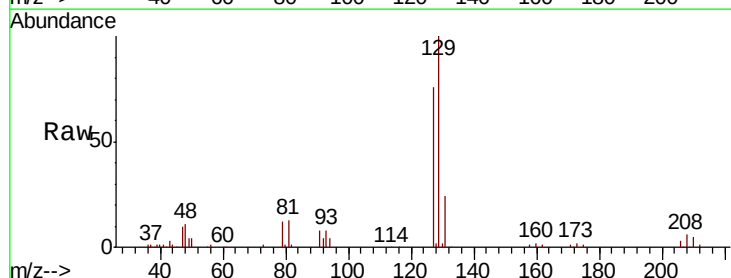
Instrument :
MSVOA_N
ClientSampled :
VN0914WBS03

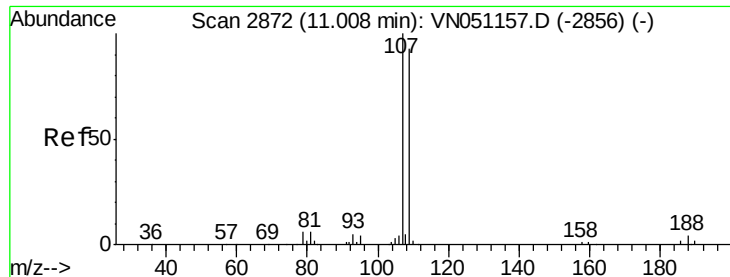
Tot Ion: 43 Resp: 231698
Ion Ratio Lower Upper
43 100
58 55.5 29.3 88.0



#60
Dibromochloromethane
Concen: 18.35 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051201.D
Acq: 14 Sep 2018 20:31

Tgt Ion: 129 Resp: 119605
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 17.18 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051201.D

Acq: 14 Sep 2018 20:31

Instrument :

MSVOA_N

ClientSampleId :

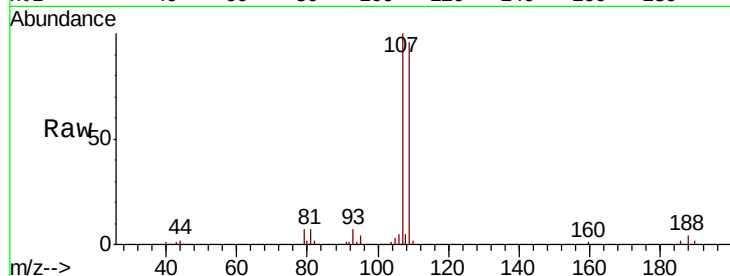
VN0914WBS03

Tot Ion:107 Resp: 97101

Ion Ratio Lower Upper

107 100

109 95.0 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

60000

50000

40000

30000

20000

10000

0

11.01

11.00

11.00

11.00

11.00

11.00

11.00

11.00

11.00

11.00

11.00

11.00

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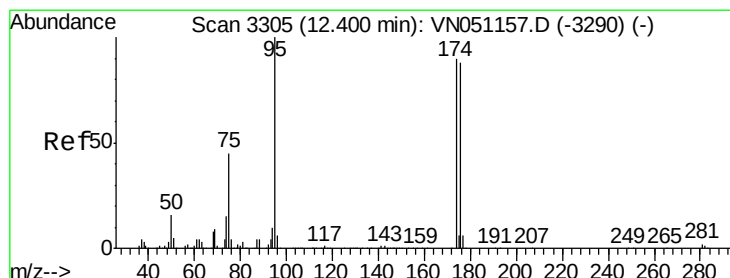
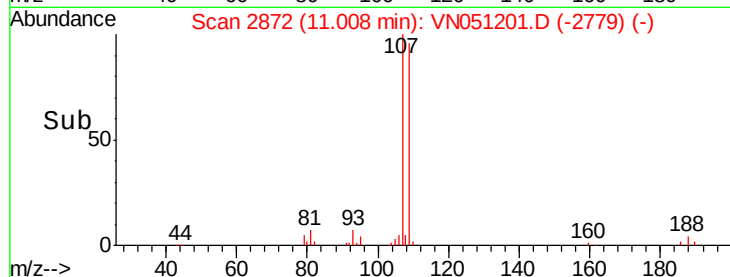
11.00

11.00

11.00

11.00

11.00



#62

4-Bromofluorobenzene

Concen: 44.33 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051201.D

Acq: 14 Sep 2018 20:31

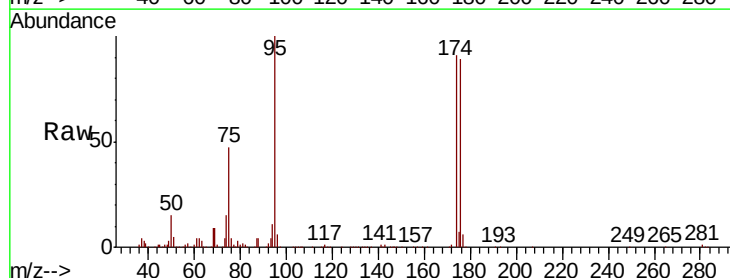
Tgt Ion: 95 Resp: 329904

Ion Ratio Lower Upper

95 100

174 93.4 0.0 184.8

176 90.9 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

100000

50000

0

12.40

12.35

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

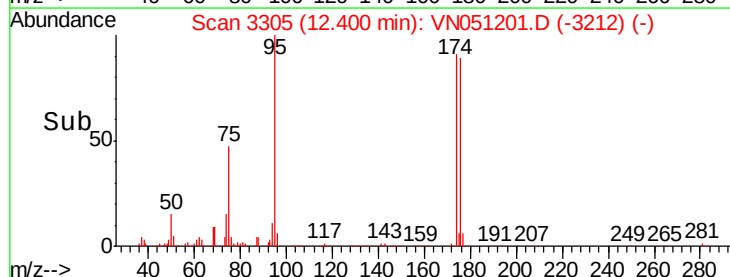
12.40

12.40

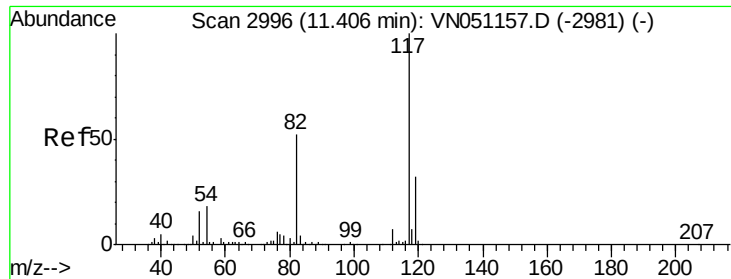
12.40

12.40

12.40



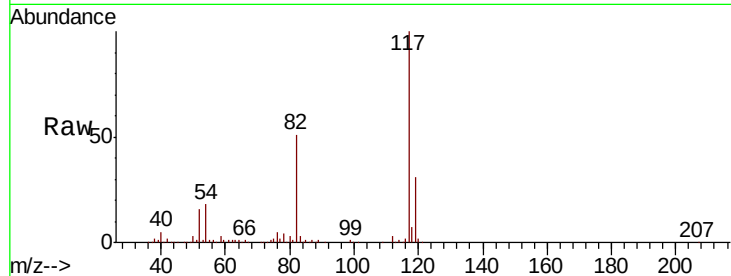
Time-->



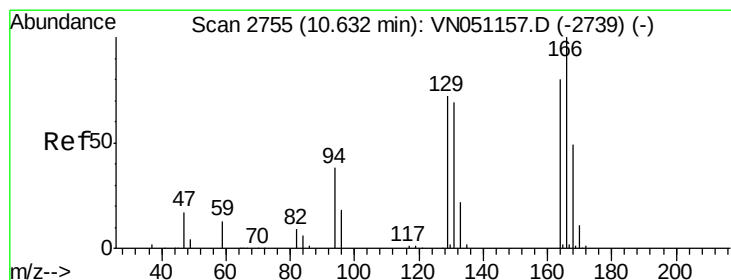
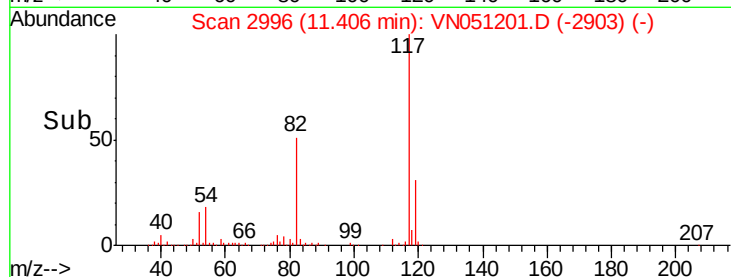
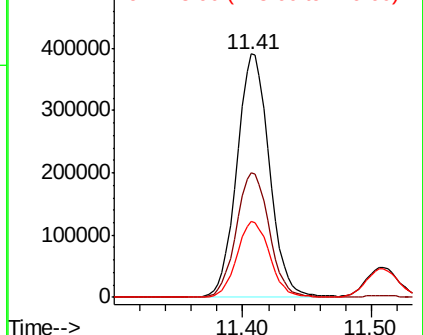
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051201.D
Acq: 14 Sep 2018 20:31

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS03

Tot Ion:117 Resp: 686623
Ion Ratio Lower Upper
117 100
82 51.4 41.8 62.6
119 31.1 26.2 39.2

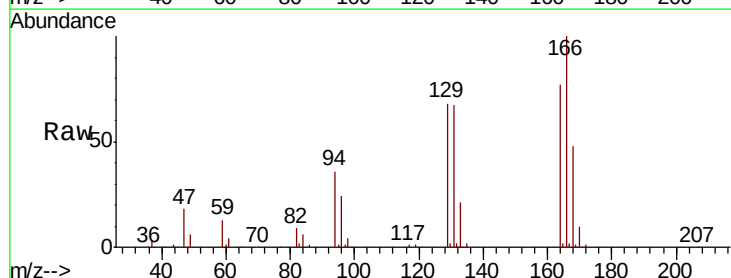


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

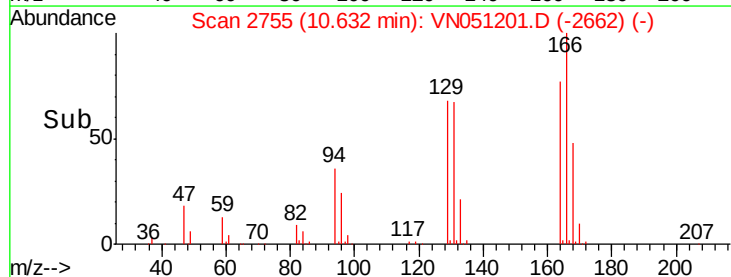
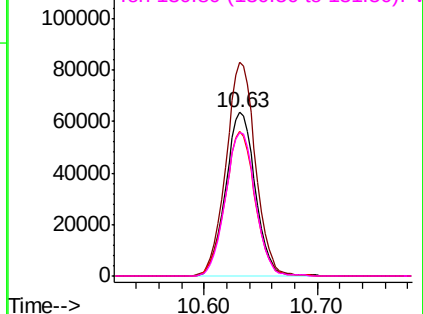


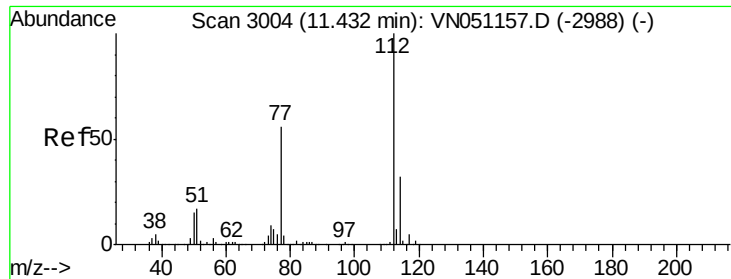
#64
Tetrachloroethene
Concen: 18.50 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051201.D
Acq: 14 Sep 2018 20:31

Tgt Ion:164 Resp: 115889
Ion Ratio Lower Upper
164 100
166 130.4 101.3 151.9
129 88.4 72.2 108.2
131 87.5 70.2 105.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 18.12 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051201.D

Acq: 14 Sep 2018 20:31

Instrument :

MSVOA_N

ClientSampleId :

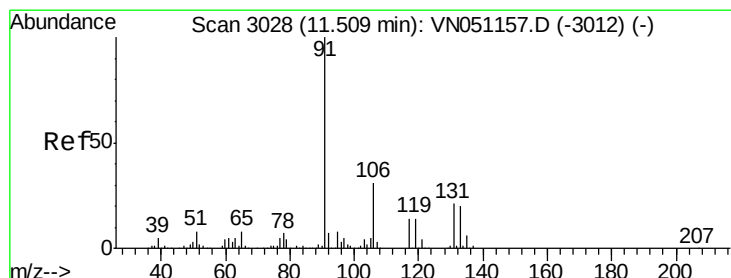
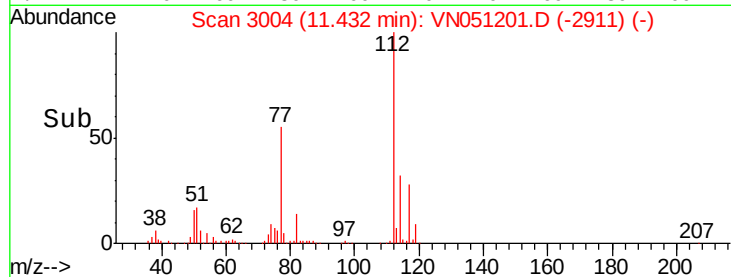
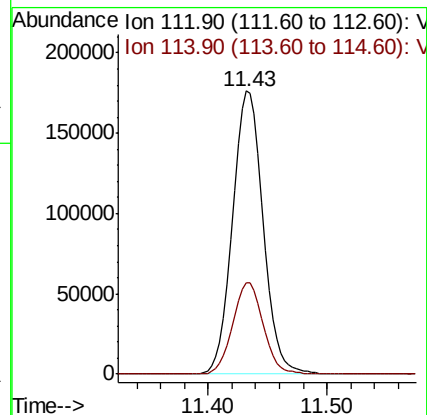
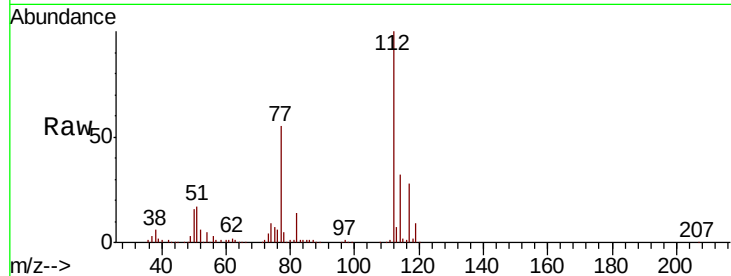
VN0914WBS03

Tot Ion:112 Resp: 313629

Ion Ratio Lower Upper

112 100

114 32.2 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: VN051201.D

Acq: 14 Sep 2018 20:31

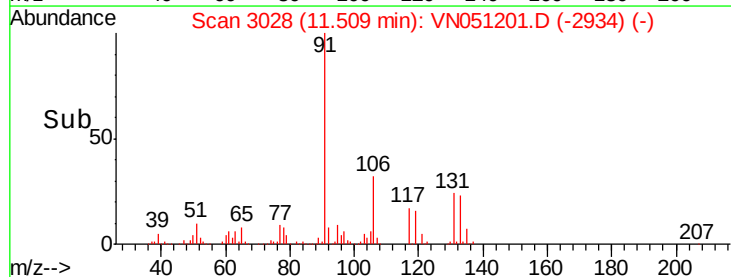
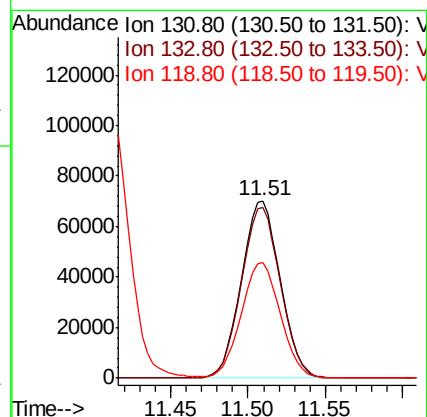
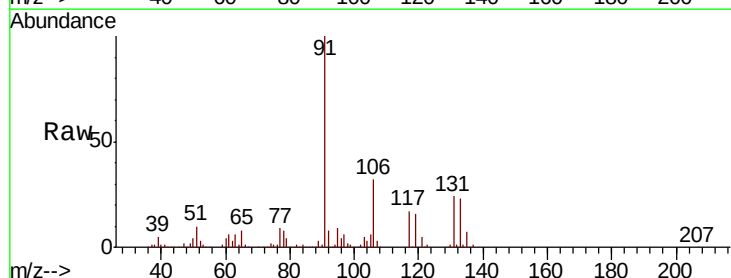
Tgt Ion:131 Resp: 122606

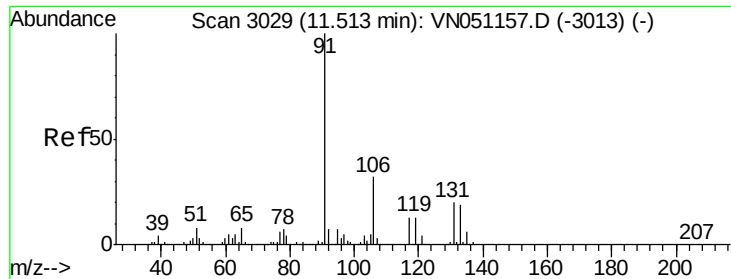
Ion Ratio Lower Upper

131 100

133 97.1 47.5 142.6

119 65.9 33.2 99.6

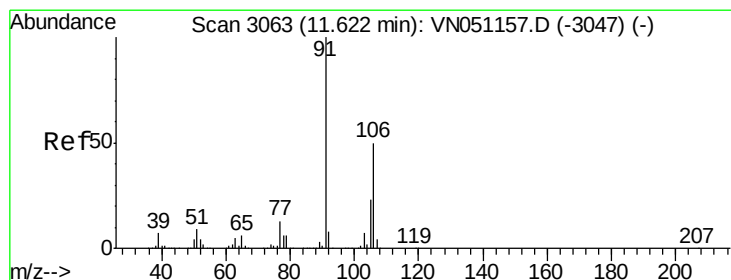
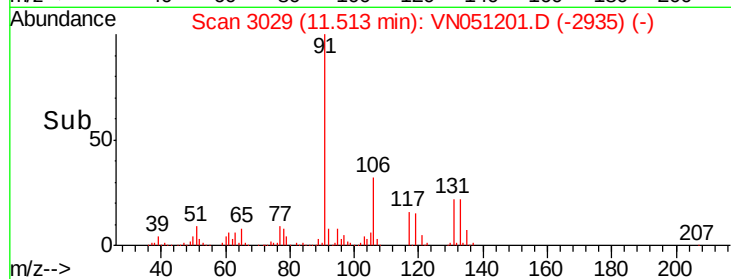
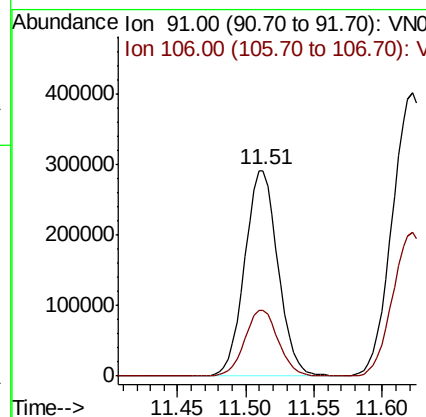
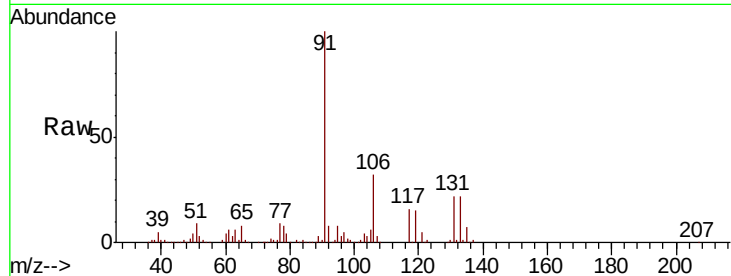




#67
Ethyl Benzene
Concen: 17.71 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051201.D
Acq: 14 Sep 2018 20:31

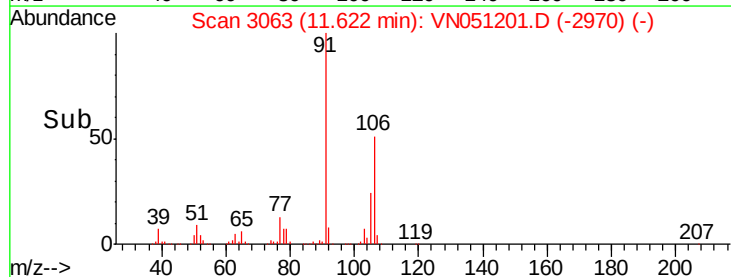
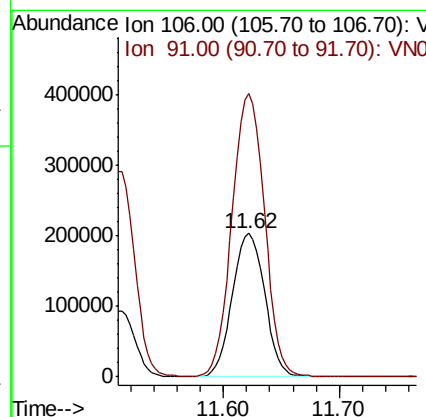
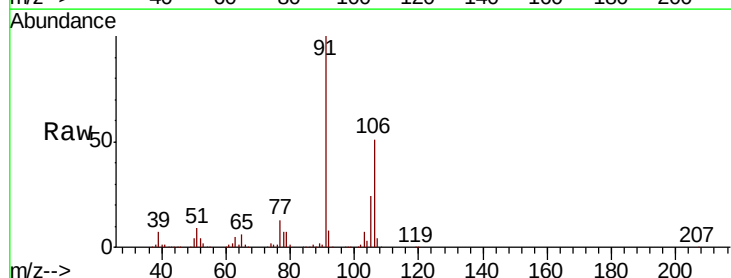
Instrument :
MSVOA_N
ClientSampled :
VN0914WBS03

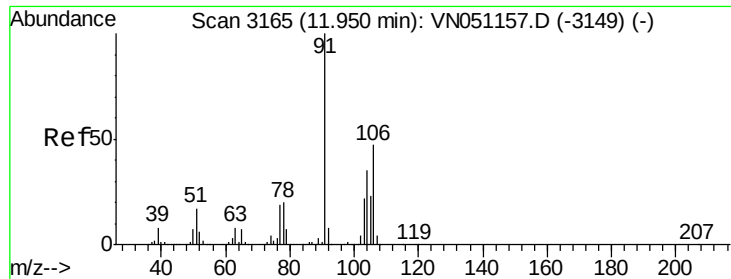
Tot Ion: 91 Resp: 496274
Ion Ratio Lower Upper
91 100
106 32.0 25.4 38.2



#68
m/p-Xylenes
Concen: 36.84 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051201.D
Acq: 14 Sep 2018 20:31

Tgt Ion: 106 Resp: 396794
Ion Ratio Lower Upper
106 100
91 197.7 159.8 239.6

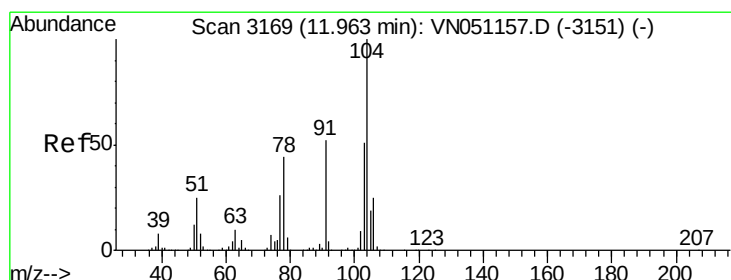
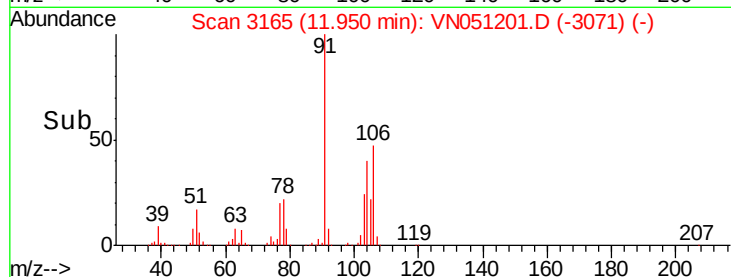
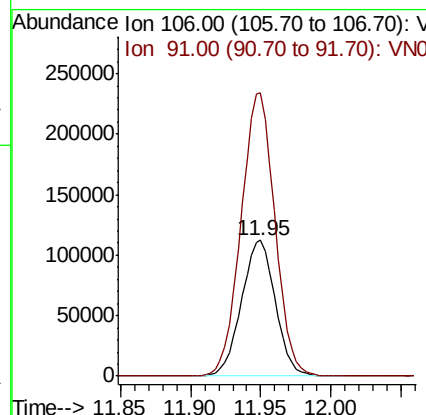
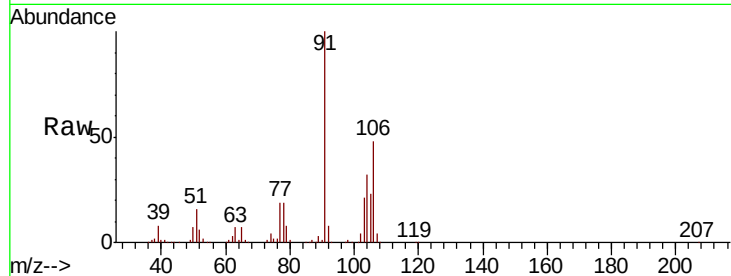




#69
o-Xylene
Concen: 18.12 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051201.D
Acq: 14 Sep 2018 20:31

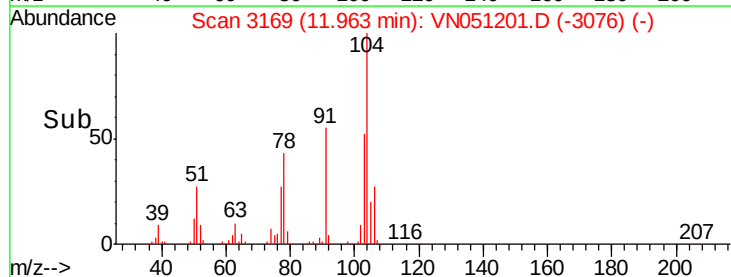
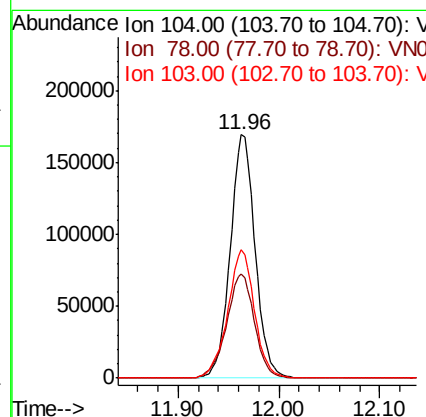
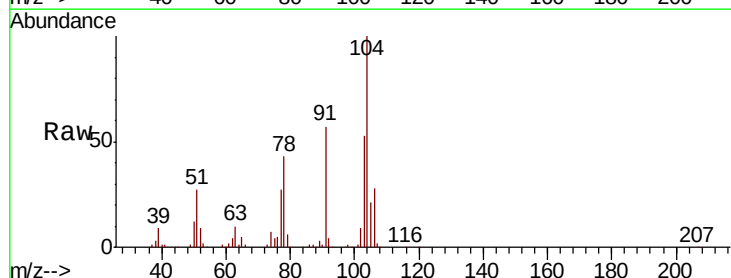
Instrument :
MSVOA_N
ClientSampled :
VN0914WBS03

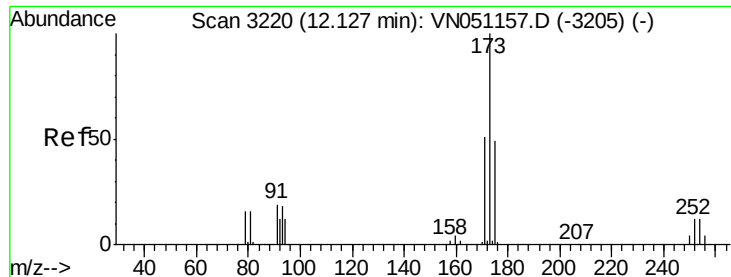
Tot Ion:106 Resp: 188946
Ion Ratio Lower Upper
106 100
91 209.0 105.1 315.1



#70
Styrene
Concen: 18.07 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051201.D
Acq: 14 Sep 2018 20:31

Tgt Ion:104 Resp: 292306
Ion Ratio Lower Upper
104 100
78 47.7 37.7 56.5
103 56.7 44.6 67.0

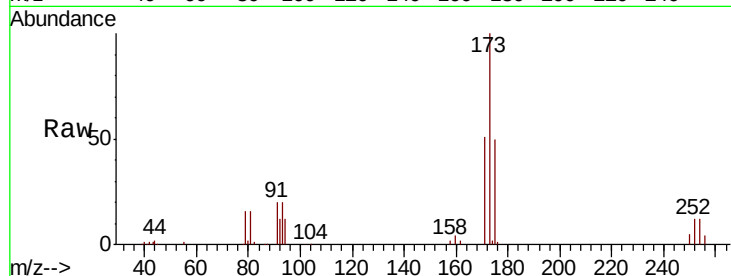




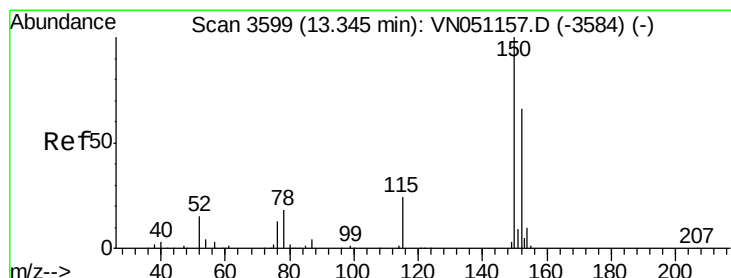
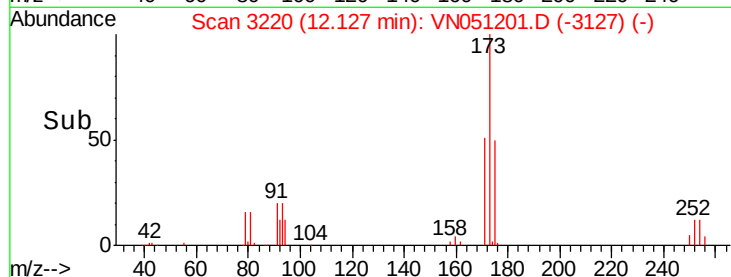
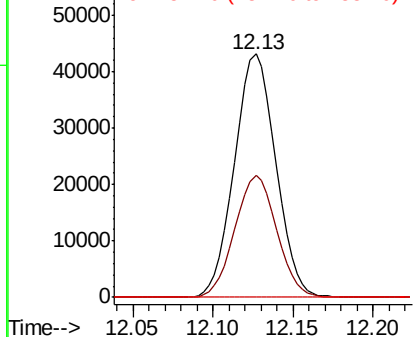
#71
Bromoform
Concen: 17.35 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051201.D
Acq: 14 Sep 2018 20:31

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS03

Tot Ion:173 Resp: 76124
Ion Ratio Lower Upper
173 100
175 50.5 24.3 72.9
254 0.0 0.0 0.0

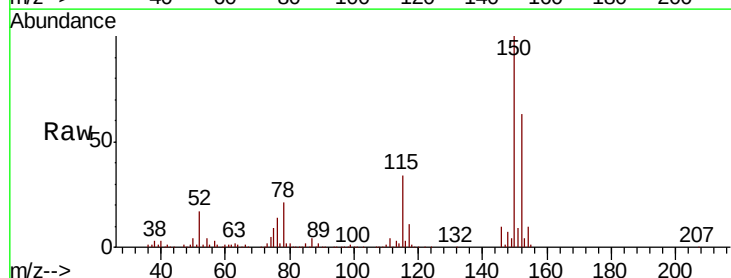


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

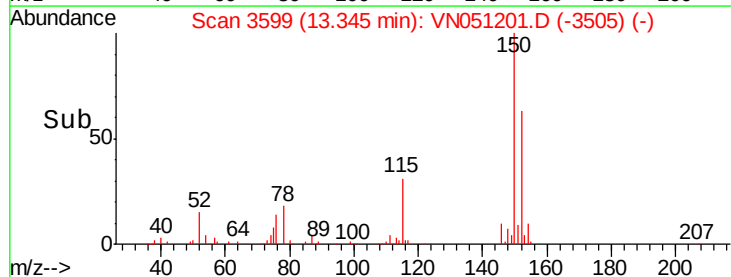
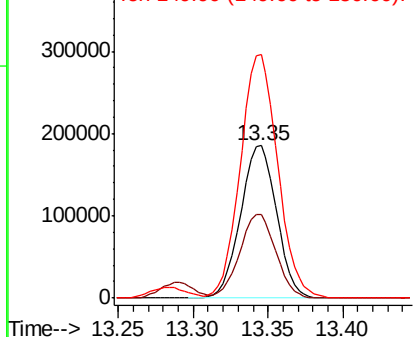


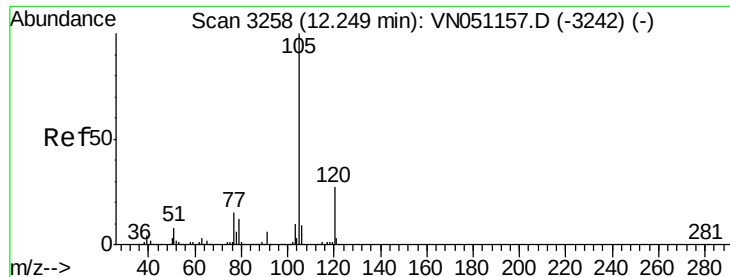
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051201.D
Acq: 14 Sep 2018 20:31

Tgt Ion:152 Resp: 310788
Ion Ratio Lower Upper
152 100
115 55.0 28.2 84.7
150 166.1 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.00 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051201.D

Acq: 14 Sep 2018 20:31

Instrument :

MSVOA_N

ClientSampleId :

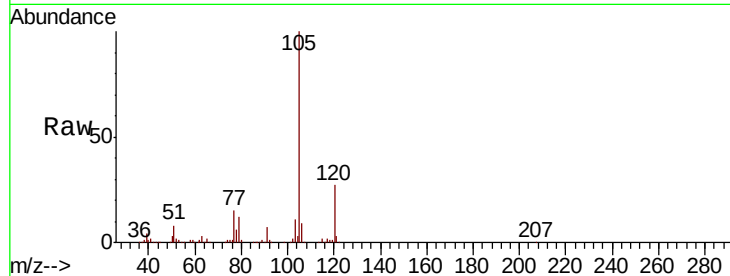
VN0914WBS03

Tot Ion:105 Resp: 495314

Ion Ratio Lower Upper

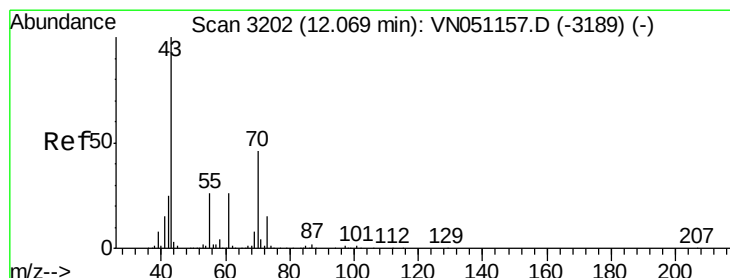
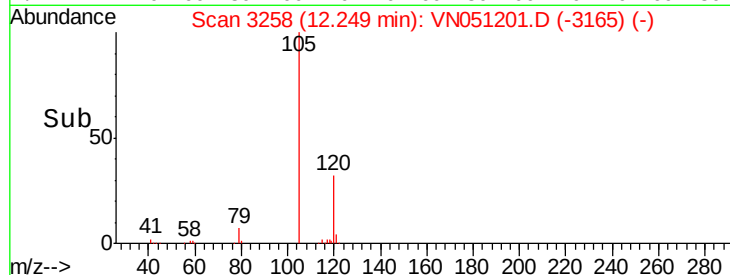
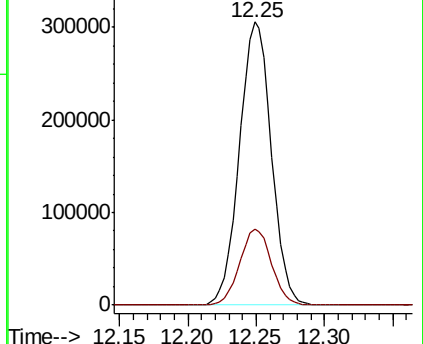
105 100

120 26.8 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 14.45 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051201.D

Acq: 14 Sep 2018 20:31

Tgt Ion: 43 Resp: 94758

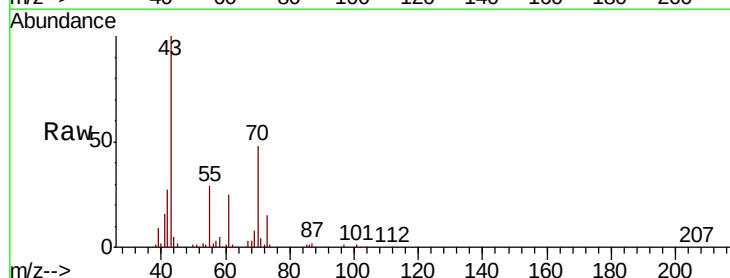
Ion Ratio Lower Upper

43 100

70 46.6 37.0 55.4

55 29.5 21.3 31.9

61 25.2 20.7 31.1

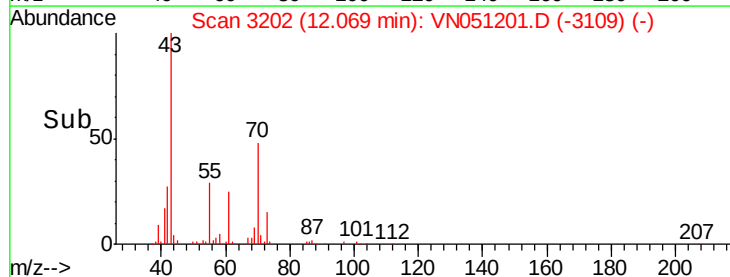
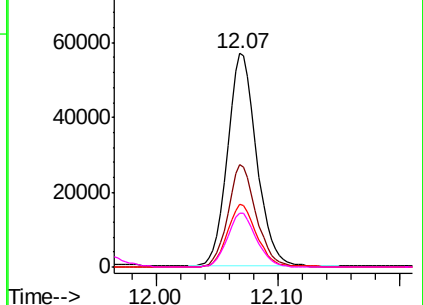


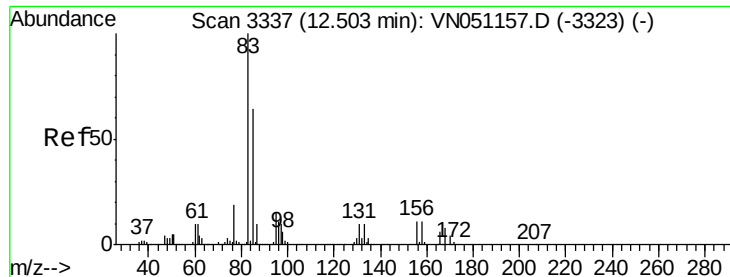
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.47 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051201.D

Acq: 14 Sep 2018 20:31

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS03

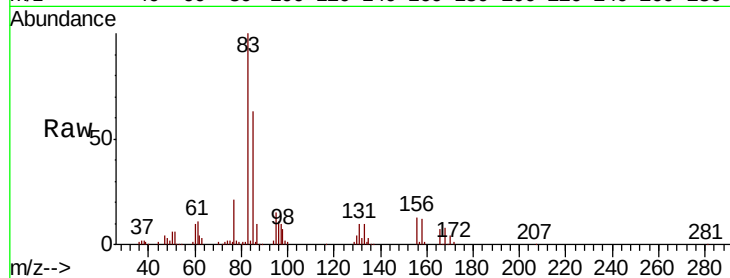
Tot Ion: 83 Resp: 122256

Ion Ratio Lower Upper

83 100

131 10.8 5.3 16.1

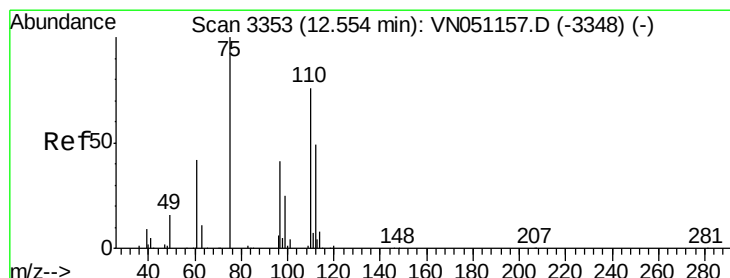
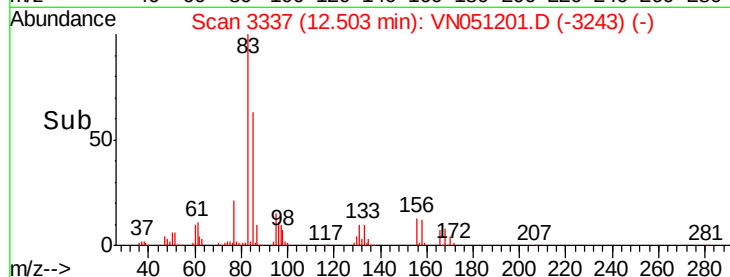
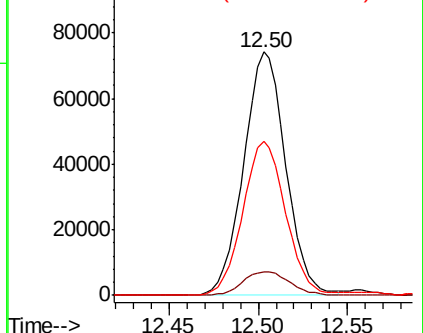
85 64.0 32.3 96.8



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: 27.00 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051201.D

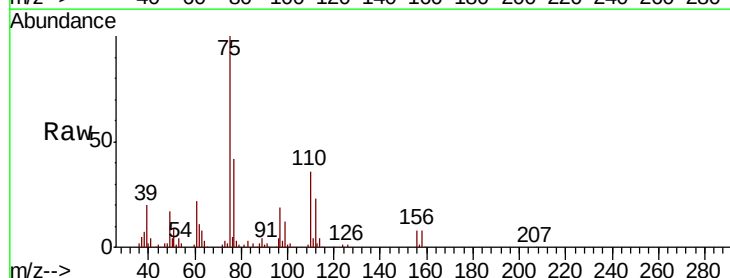
Acq: 14 Sep 2018 20:31

Tgt Ion: 75 Resp: 133369

Ion Ratio Lower Upper

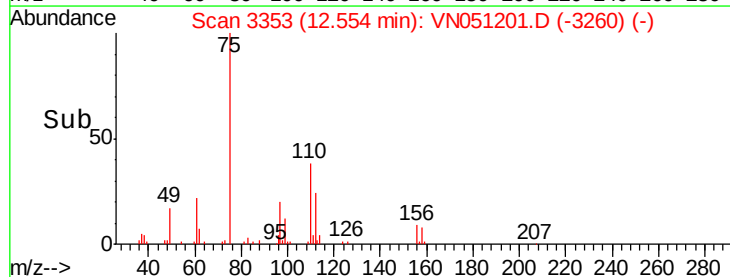
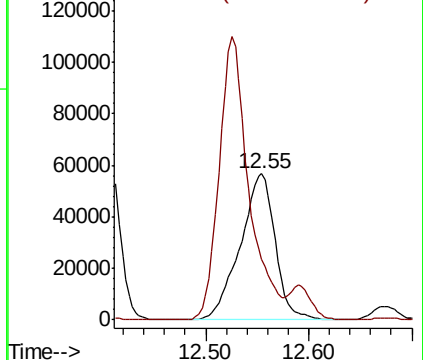
75 100

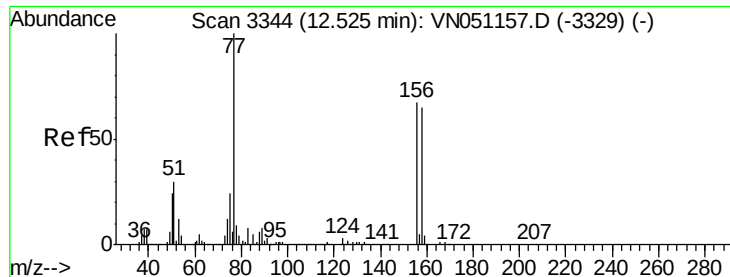
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 18.51 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051201.D

Acq: 14 Sep 2018 20:31

Instrument :

MSVOA_N

ClientSampled :

VN0914WBS03

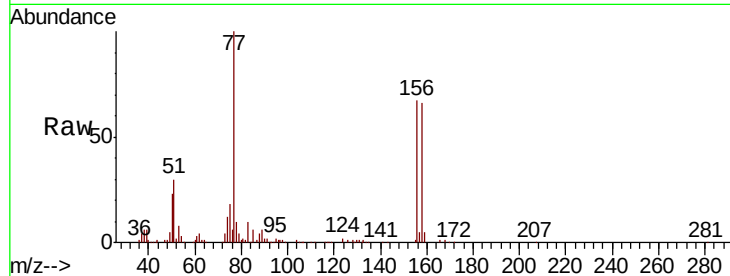
Tot Ion:156 Resp: 129610

Ion Ratio Lower Upper

156 100

77 169.1 87.5 262.6

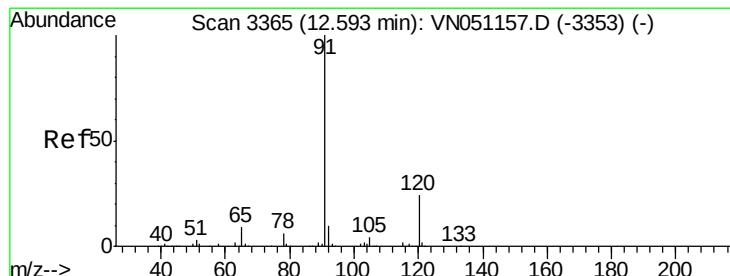
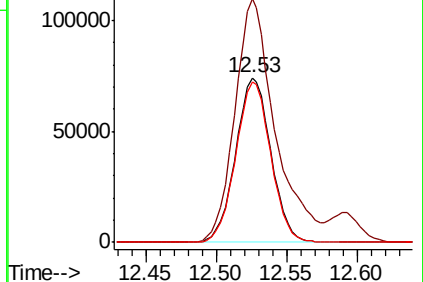
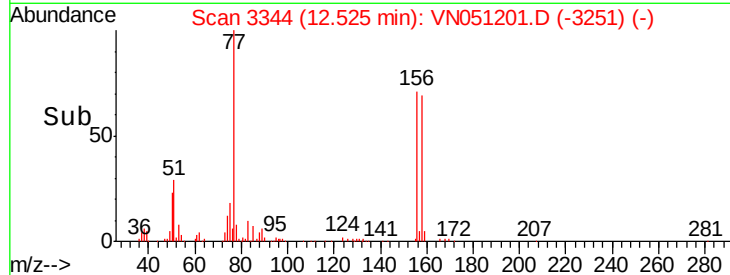
158 96.7 49.0 147.2



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: 18.62 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051201.D

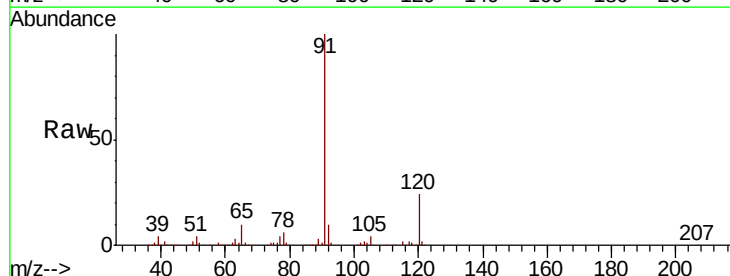
Acq: 14 Sep 2018 20:31

Tgt Ion: 91 Resp: 533443

Ion Ratio Lower Upper

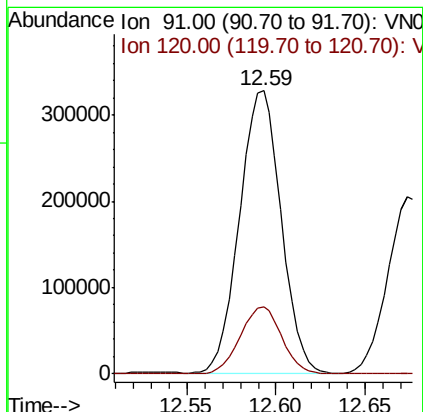
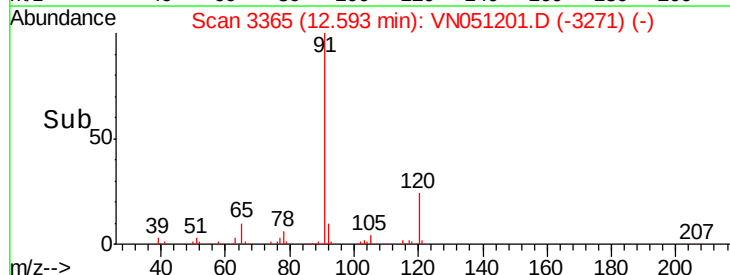
91 100

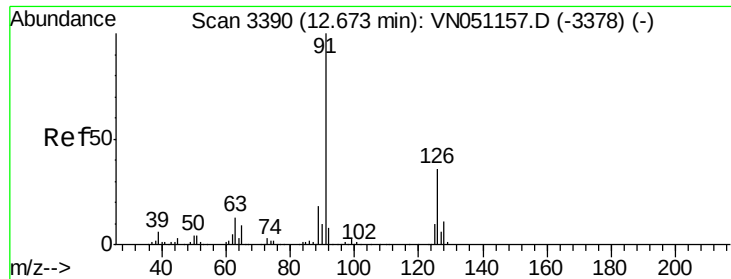
120 23.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.86 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051201.D

Acq: 14 Sep 2018 20:31

Instrument :

MSVOA_N

ClientSampleId :

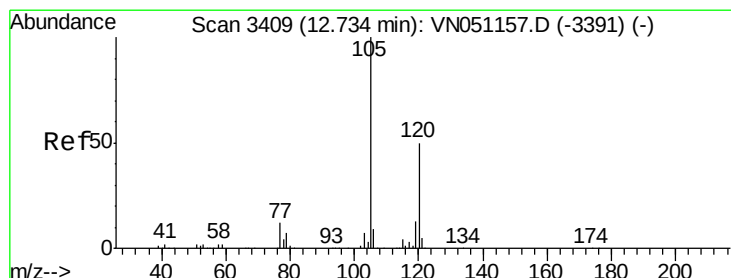
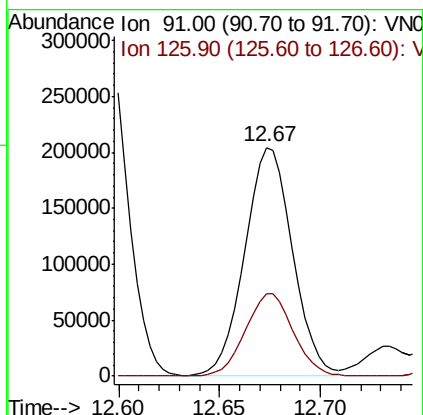
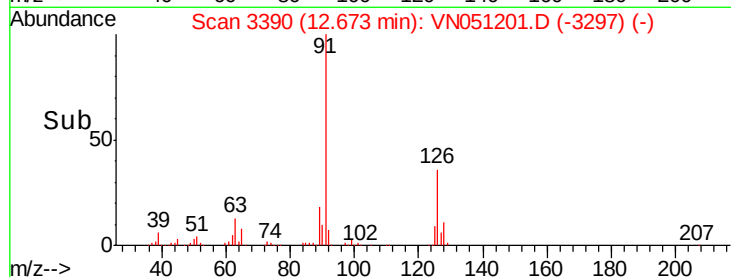
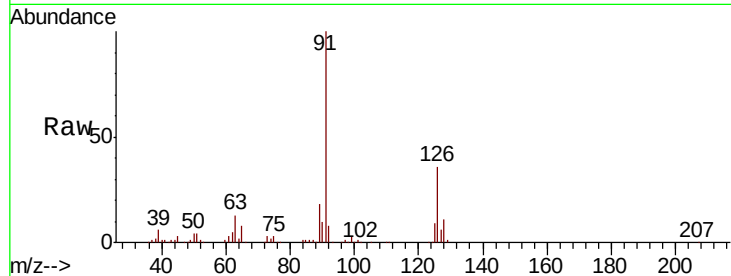
VN0914WBS03

Tot Ion: 91 Resp: 337624

Ion Ratio Lower Upper

91 100

126 36.4 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 19.23 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051201.D

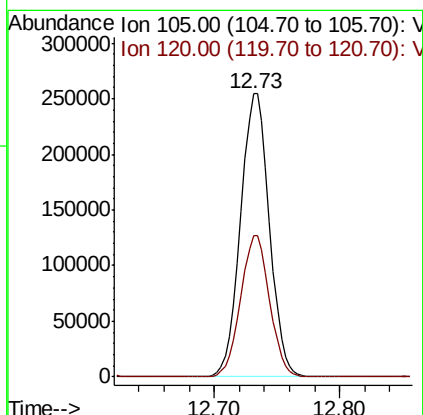
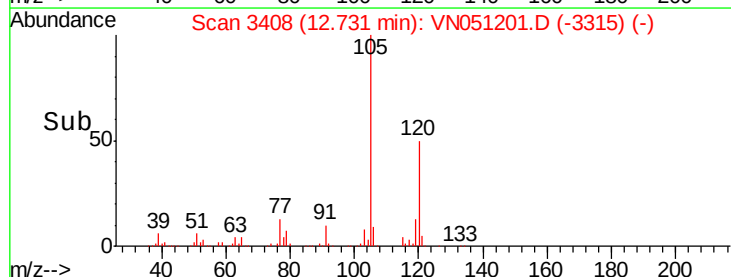
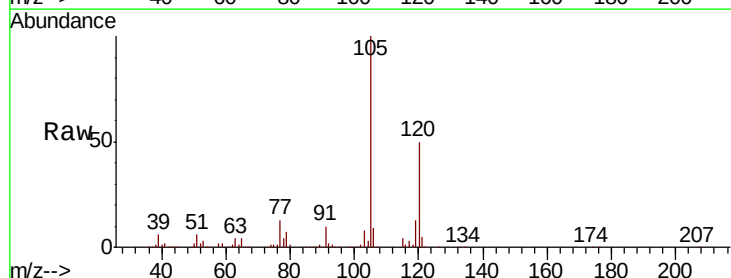
Acq: 14 Sep 2018 20:31

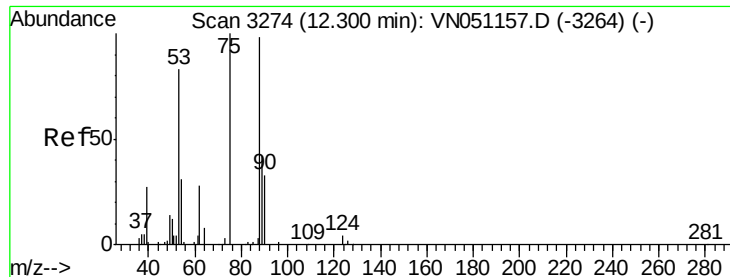
Tgt Ion: 105 Resp: 405300

Ion Ratio Lower Upper

105 100

120 50.3 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 15.32 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051201.D

Acq: 14 Sep 2018 20:31

Instrument :

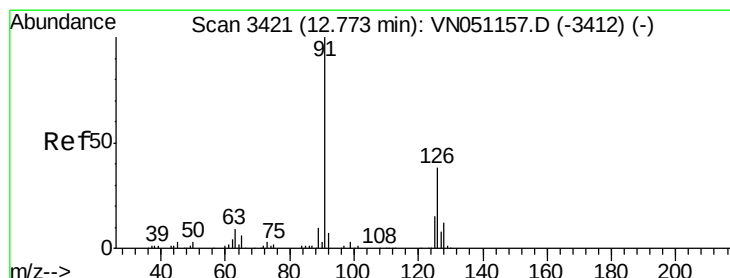
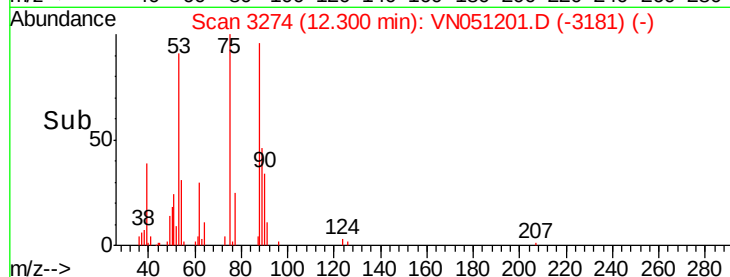
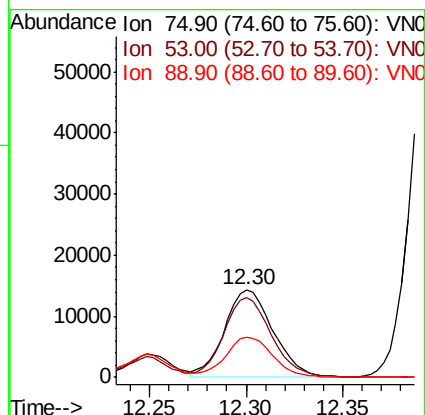
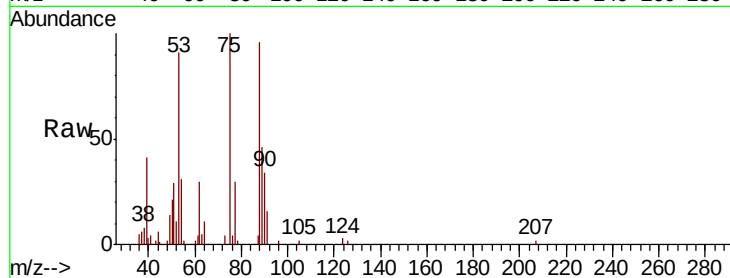
MSVOA_N

ClientSampleId :

VN0914WBS03

Tot Ion: 75 Resp: 25070

Ion	Ratio	Lower	Upper
75	100		
53	89.3	67.8	101.8
89	43.9	36.0	54.0



#82

4-Chlorotoluene

Concen: 18.19 ug/l

RT: 12.77 min Scan# 3421

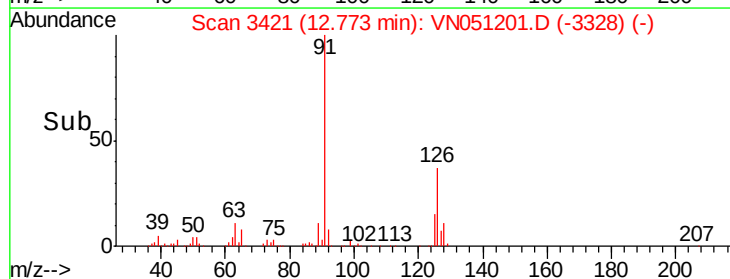
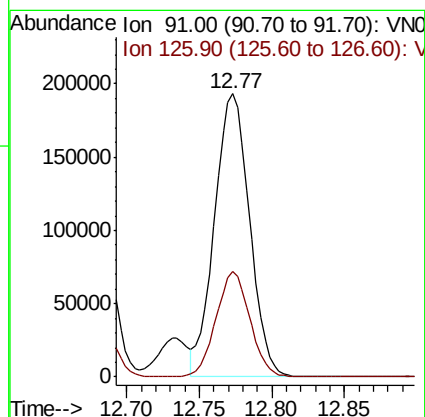
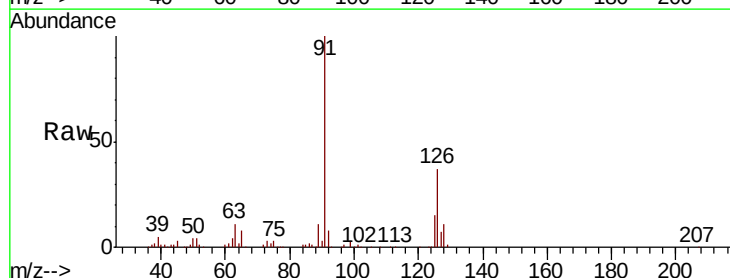
Delta R.T. -0.00 min

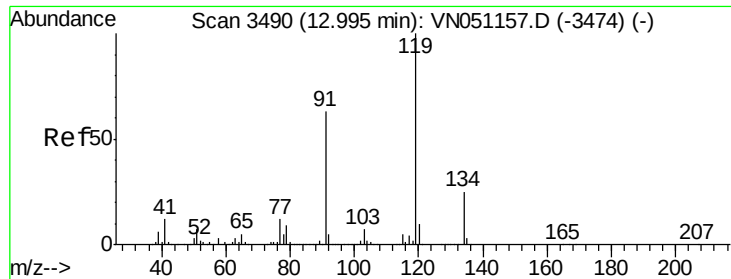
Lab File: VN051201.D

Acq: 14 Sep 2018 20:31

Tgt Ion: 91 Resp: 323245

Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.6	52.8

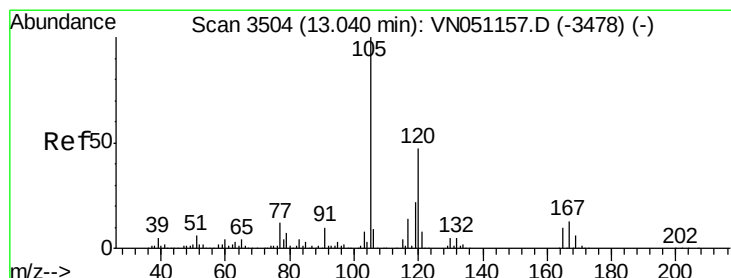
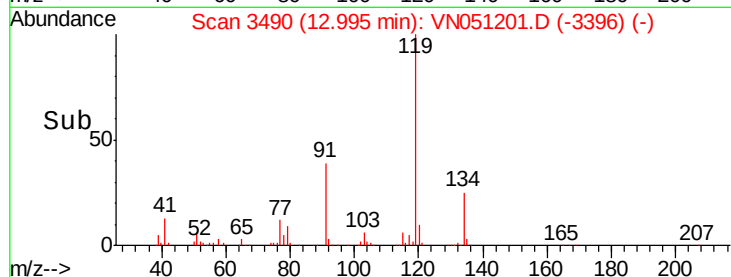
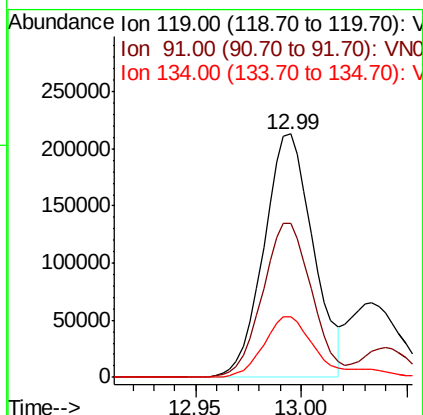
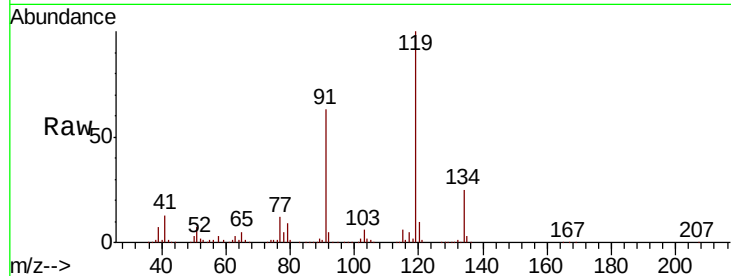




#83
 tert-Butylbenzene
 Concen: 18.61 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051201.D
 Acq: 14 Sep 2018 20:31

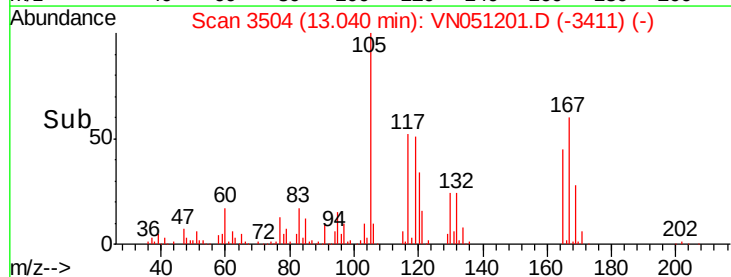
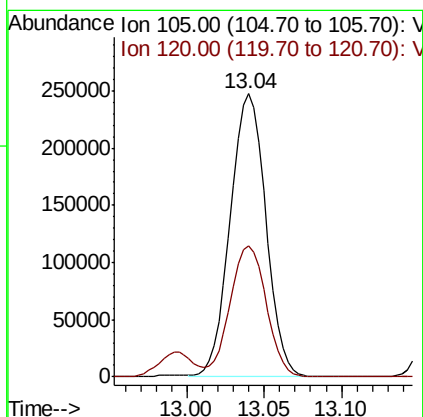
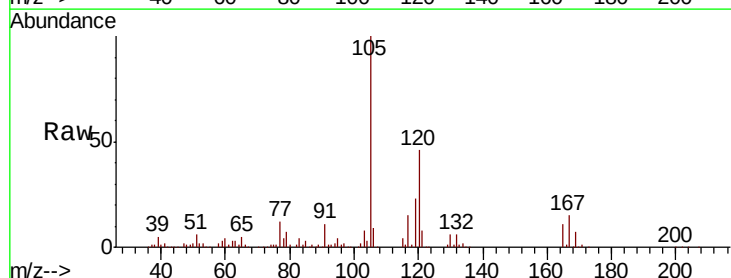
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

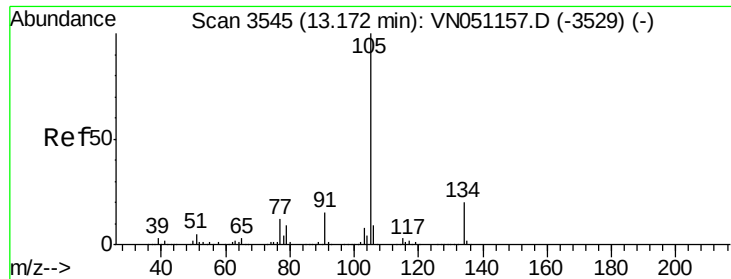
Tot Ion:119 Resp: 346241
 Ion Ratio Lower Upper
 119 100
 91 63.2 30.8 92.3
 134 27.6 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 19.09 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051201.D
 Acq: 14 Sep 2018 20:31

Tgt Ion:105 Resp: 395571
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.3 69.8





#85

sec-Butylbenzene

Concen: 18.94 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051201.D

Acq: 14 Sep 2018 20:31

Instrument :

MSVOA_N

ClientSampleId :

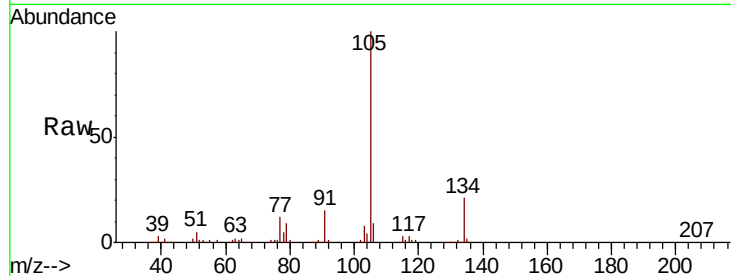
VN0914WBS03

Tot Ion:105 Resp: 451896

Ion Ratio Lower Upper

105 100

134 20.8 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

300000

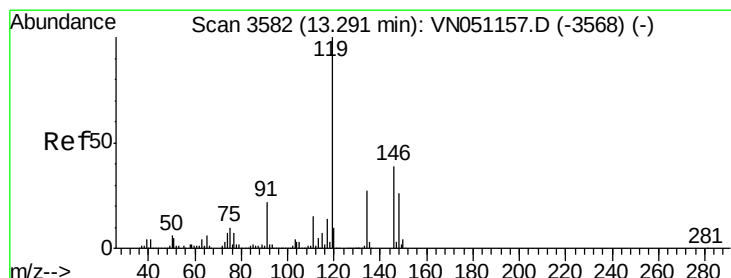
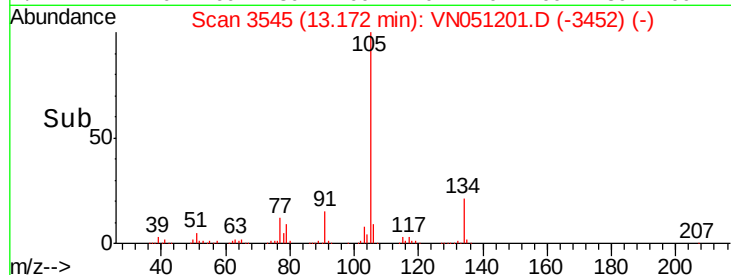
200000

100000

0

Time-->

13.10 13.20



#86

p-Isopropyltoluene

Concen: 18.85 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051201.D

Acq: 14 Sep 2018 20:31

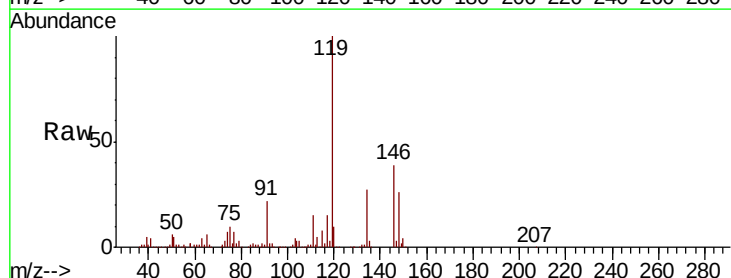
Tgt Ion:119 Resp: 381298

Ion Ratio Lower Upper

119 100

134 27.4 13.5 40.4

91 22.2 10.9 32.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

300000

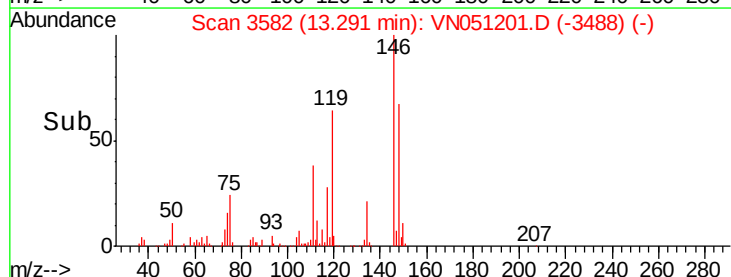
200000

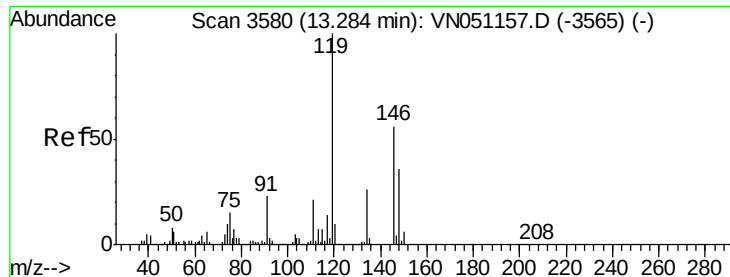
100000

0

Time-->

13.25 13.30 13.35

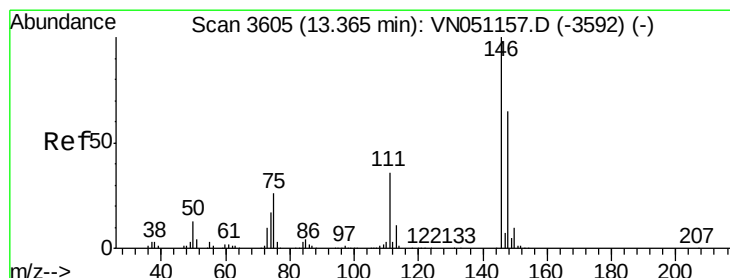
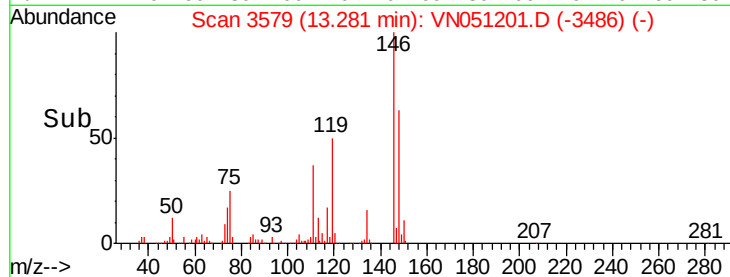
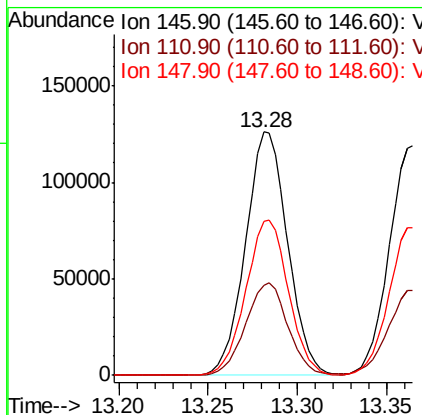
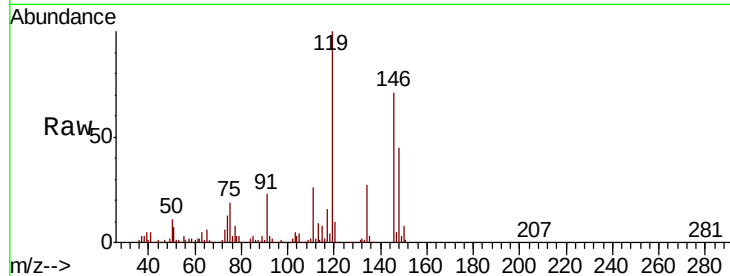




#87
 1,3-Dichlorobenzene
 Concen: 17.48 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051201.D
 Acq: 14 Sep 2018 20:31

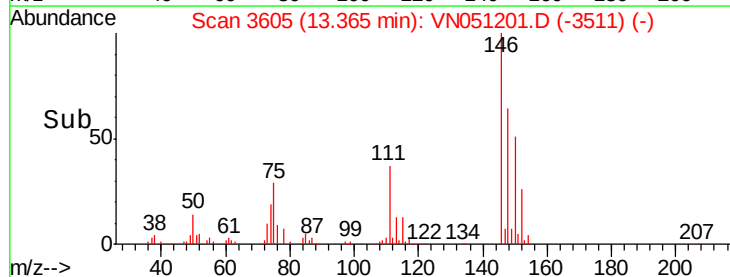
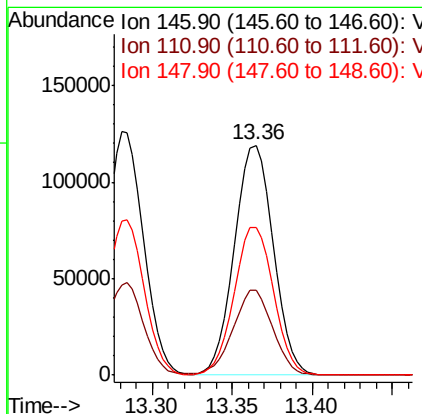
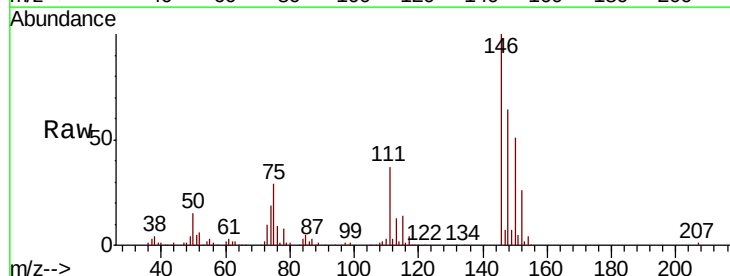
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

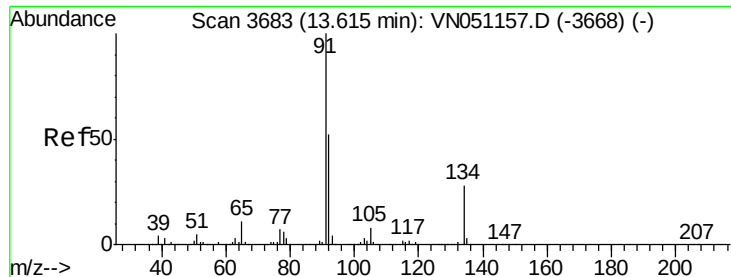
Tot Ion:146 Resp: 207620
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.1 57.1
 148 64.4 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 18.17 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051201.D
 Acq: 14 Sep 2018 20:31

Tgt Ion:146 Resp: 198100
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.4 55.0
 148 65.0 32.2 96.6

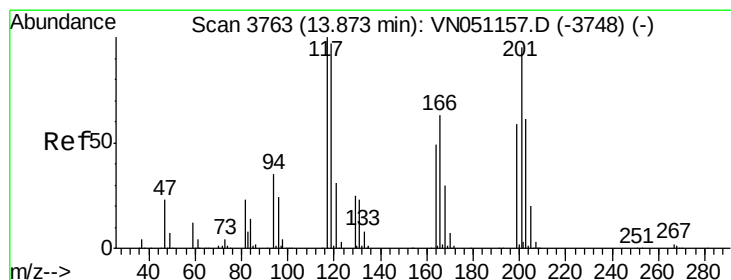
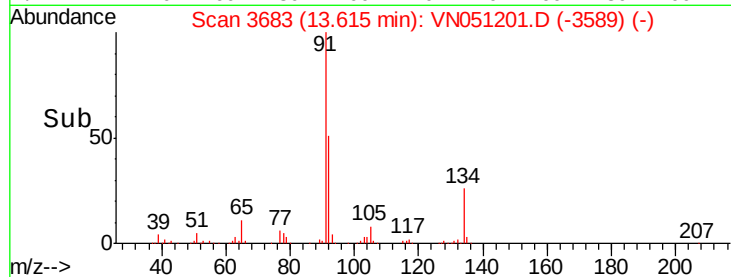
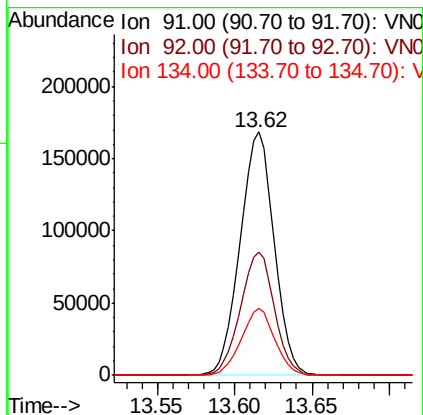
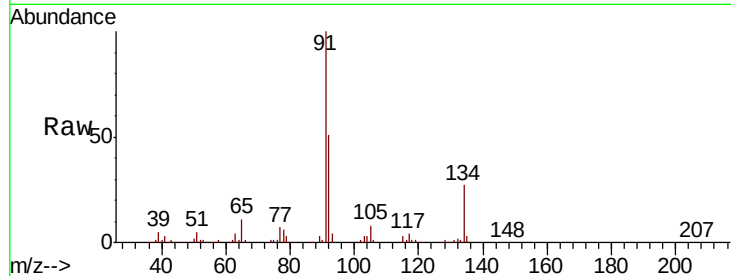




#89
n-Butylbenzene
Concen: 16.42 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051201.D
Acq: 14 Sep 2018 20:31

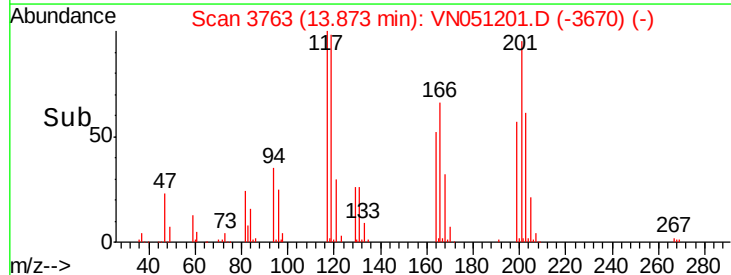
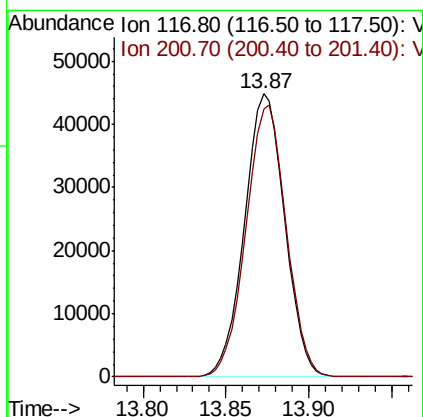
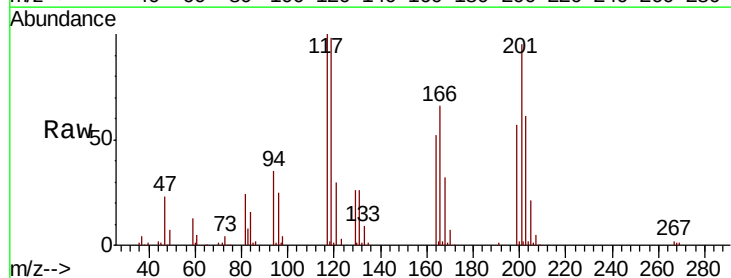
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS03

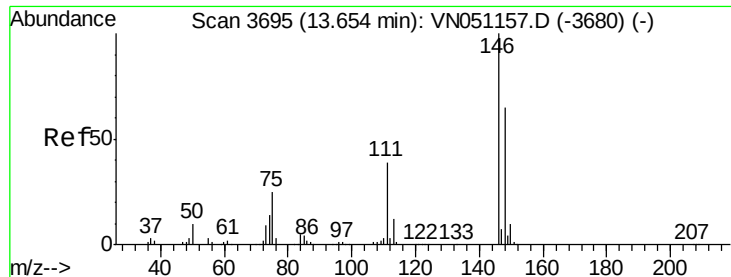
Tot Ion: 91 Resp: 258556
Ion Ratio Lower Upper
91 100
92 50.3 26.2 78.6
134 26.9 13.7 41.1



#90
Hexachloroethane
Concen: 20.11 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN051201.D
Acq: 14 Sep 2018 20:31

Tgt Ion: 117 Resp: 75422
Ion Ratio Lower Upper
117 100
201 96.2 47.3 142.0

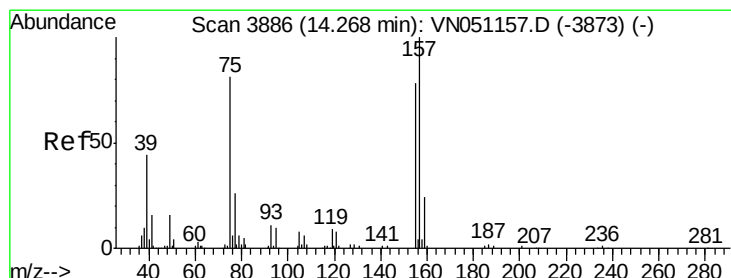
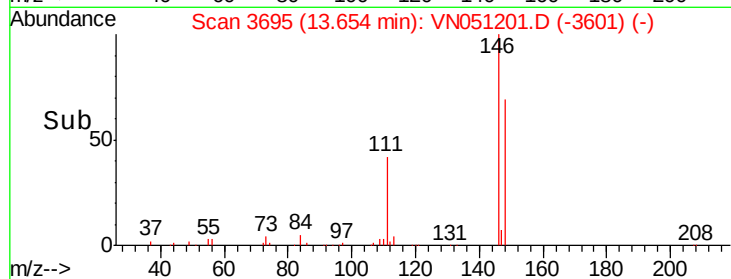
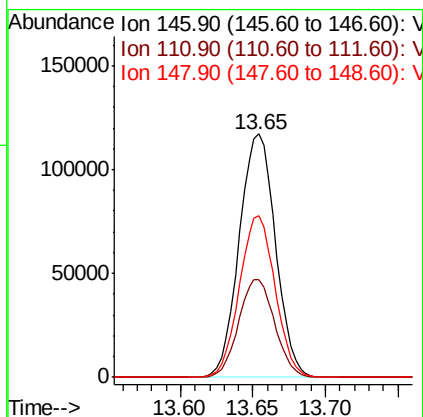
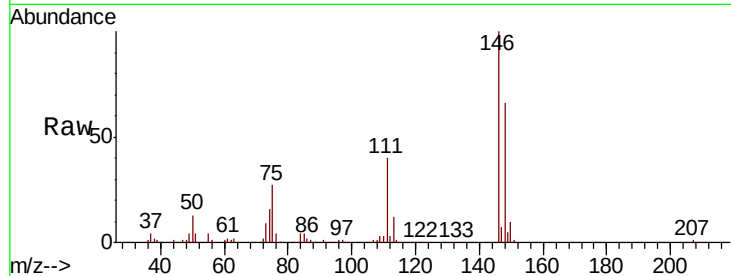




#91
 1,2-Dichlorobenzene
 Concen: 17.59 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051201.D
 Acq: 14 Sep 2018 20:31

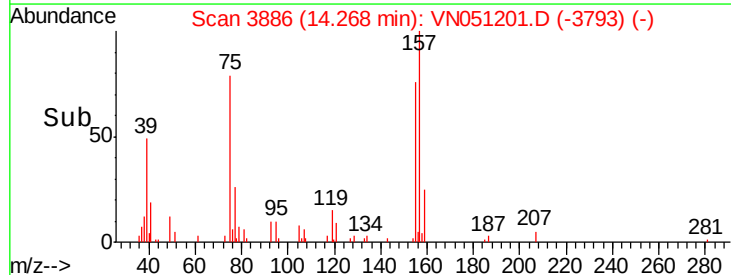
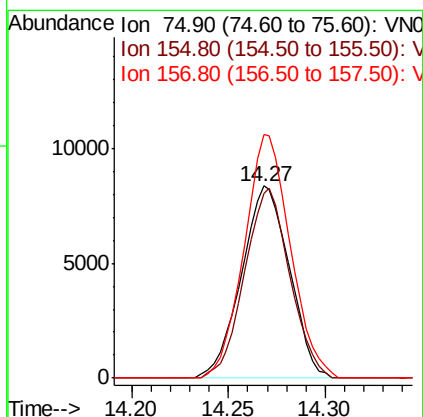
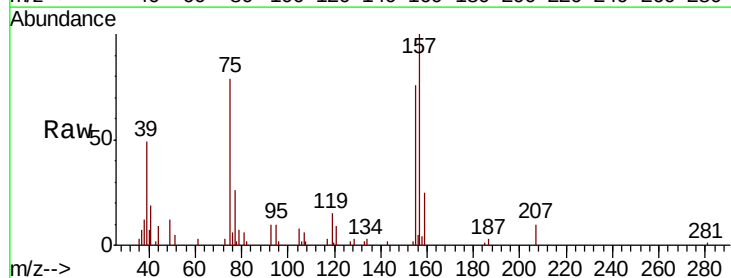
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

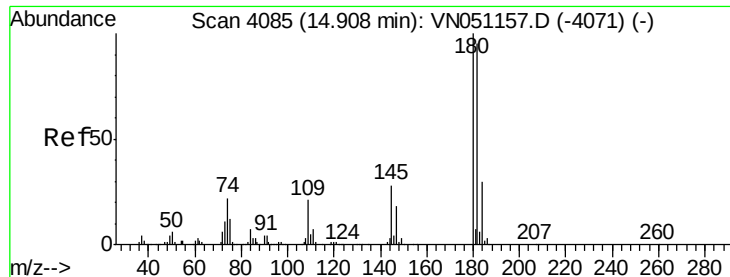
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.7	59.0
148	65.3	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.63 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051201.D
 Acq: 14 Sep 2018 20:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.2	48.7	146.1
157	122.2	63.6	190.9

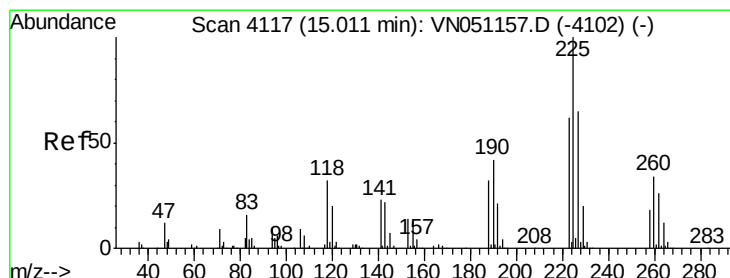
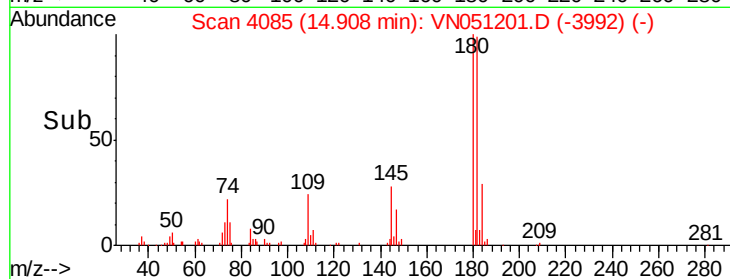
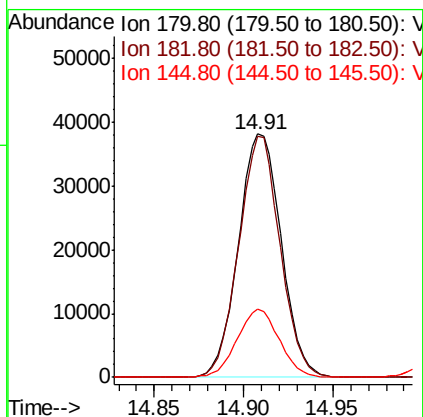
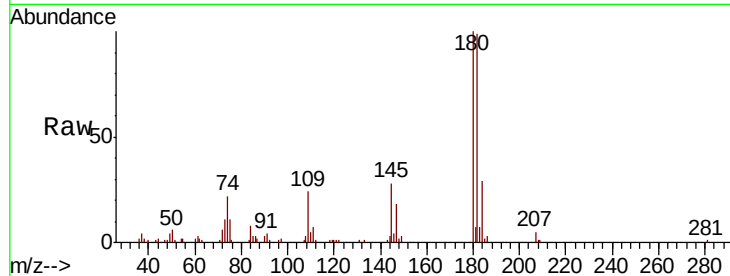




#93
 1,2,4-Trichlorobenzene
 Concen: 14.51 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051201.D
 Acq: 14 Sep 2018 20:31

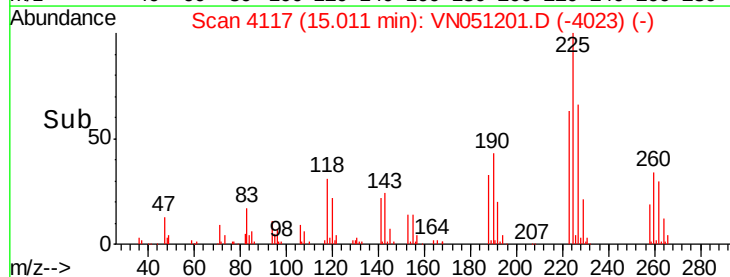
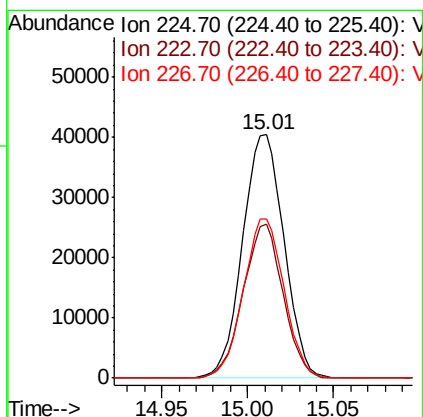
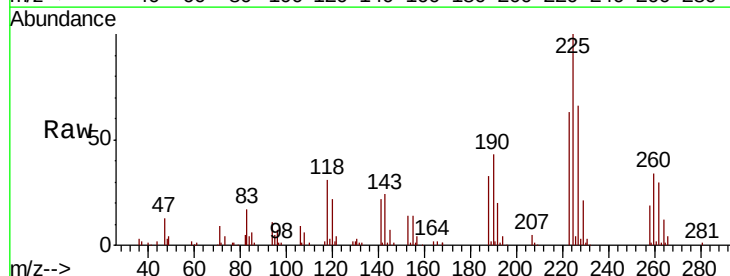
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 MSVOA_N
 ClientSampleId :
 VN0914WBS03

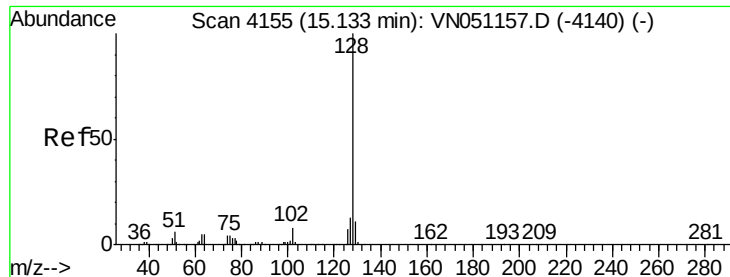
Tot Ion:180 Resp: 64007
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.3 141.8
 145 27.5 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 18.98 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051201.D
 Acq: 14 Sep 2018 20:31

Tgt Ion:225 Resp: 67696
 Ion Ratio Lower Upper
 225 100
 223 61.0 31.4 94.0
 227 64.3 32.1 96.3





#95

Naphthalene

Concen: 13.69 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051201.D

Acq: 14 Sep 2018 20:31

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS03

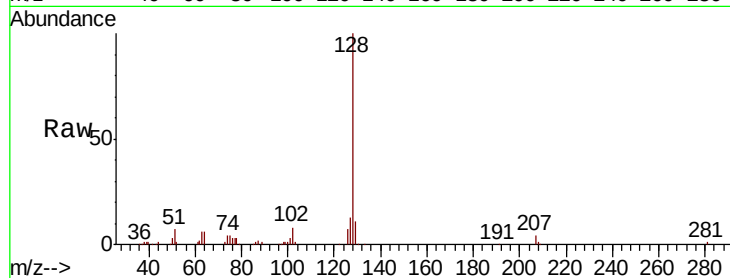
Tot Ion:128 Resp: 109234

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

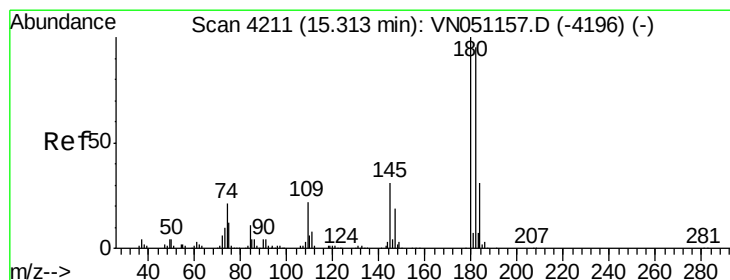
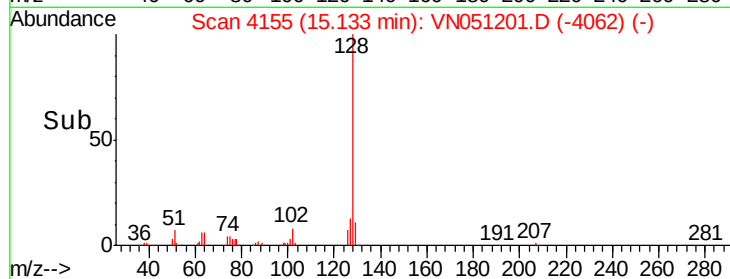
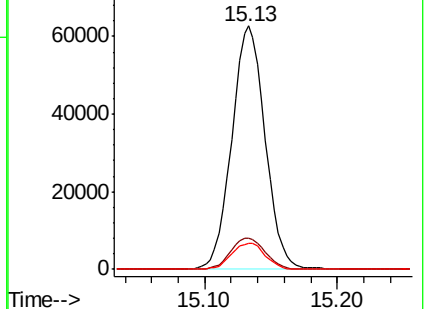
129 10.9 8.6 12.8



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: 15.46 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051201.D

Acq: 14 Sep 2018 20:31

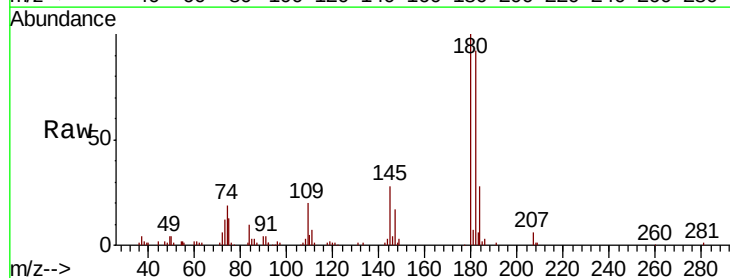
Tgt Ion:180 Resp: 71053

Ion Ratio Lower Upper

180 100

182 93.1 47.8 143.3

145 28.1 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

