

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091318\
 Data File : VN051163.D
 Acq On : 13 Sep 2018 11:28
 Operator : MD\SY
 Sample : VN0913WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

Quant Time: Sep 14 01:05:04 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	578142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	836813	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	746186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	349507	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	340320	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	
35) Dibromofluoromethane	7.59	113	329045	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
50) Toluene-d8	10.09	98	1208741	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
62) 4-Bromofluorobenzene	12.40	95	383470	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	102055	18.30	ug/l	99
3) Chloromethane	2.06	50	138394	18.89	ug/l	98
4) Vinyl Chloride	2.18	62	140525	18.36	ug/l	98
5) Bromomethane	2.56	94	78498	17.54	ug/l	96
6) Chloroethane	2.70	64	86045	18.22	ug/l	98
7) Trichlorofluoromethane	3.01	101	200458	19.77	ug/l	98
8) Diethyl Ether	3.41	74	73544	19.72	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	125462	19.19	ug/l	100
10) Methyl Iodide	3.95	142	82305	17.58	ug/l	99
11) Tert butyl alcohol	4.80	59	53445	108.75	ug/l	99
12) 1,1-Dichloroethene	3.73	96	112974	18.32	ug/l	99
13) Acrolein	3.61	56	43300	89.46	ug/l	97
14) Allyl chloride	4.32	41	174530	18.58	ug/l	99
15) Acrylonitrile	5.00	53	239174	109.84	ug/l	99
16) Acetone	3.82	43	177919	108.54	ug/l	100
17) Carbon Disulfide	4.05	76	326340	18.03	ug/l	98
18) Methyl Acetate	4.33	43	117579	22.82	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	331439	20.33	ug/l	99
20) Methylene Chloride	4.55	84	135213	19.03	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	123152	18.41	ug/l	97
22) Diisopropyl ether	5.96	45	393667	21.11	ug/l	99
23) Vinyl Acetate	5.90	43	1307088	103.56	ug/l	99
24) 1,1-Dichloroethane	5.85	63	233902	19.77	ug/l	100
25) 2-Butanone	6.84	43	264108	104.41	ug/l	100
26) 2,2-Dichloropropane	6.83	77	182876	18.88	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	141010	19.22	ug/l	99
28) Bromochloromethane	7.20	49	95319	18.10	ug/l	99
29) Tetrahydrofuran	7.22	42	176392	111.66	ug/l	99
30) Chloroform	7.37	83	238906	20.30	ug/l	100
31) Cyclohexane	7.65	56	199517	18.77	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	200093	19.95	ug/l	100
36) 1,1-Dichloropropene	7.79	75	170116	18.52	ug/l	99
37) Ethyl Acetate	6.93	43	116692	21.93	ug/l	98
38) Carbon Tetrachloride	7.78	117	180156	19.92	ug/l	96

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 Misc : 5.00mL/MSVOA N/WATER
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Instrument :
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 ClientSampleId :
 VN0913WBSD01

Quant Time: Sep 14 01:05:04 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	179954	17.75	ug/l	99
40) Benzene	8.04	78	535781	19.35	ug/l	98
41) Methacrylonitrile	7.18	41	58011	21.13	ug/l	97
42) 1,2-Dichloroethane	8.13	62	163837	20.30	ug/l	98
43) Isopropyl Acetate	8.17	43	211760	22.55	ug/l	97
44) Trichloroethene	8.84	130	142954	18.88	ug/l	96
45) 1,2-Dichloropropane	9.12	63	140958	19.70	ug/l	98
46) Dibromomethane	9.21	93	87136	19.96	ug/l	99
47) Bromodichloromethane	9.40	83	179160	20.19	ug/l	99
48) Methyl methacrylate	9.20	41	97454	21.30	ug/l	98
49) 1,4-Dioxane	9.20	88	31466	438.56	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	591357	113.90	ug/l	99
52) Toluene	10.16	92	337085	19.97	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	176136	19.83	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	204294	19.62	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	132838	21.66	ug/l	98
56) Ethyl methacrylate	10.43	69	154917	20.36	ug/l	99
57) 1,3-Dichloropropane	10.71	76	207834	20.44	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	301987	97.20	ug/l	99
59) 2-Hexanone	10.75	43	384901	109.31	ug/l	97
60) Dibromochloromethane	10.90	129	141578	20.48	ug/l	100
61) 1,2-Dibromoethane	11.01	107	121934	20.34	ug/l	98
64) Tetrachloroethene	10.63	164	129323	18.99	ug/l	98
65) Chlorobenzene	11.44	112	363466	19.32	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	139813	20.65	ug/l	99
67) Ethyl Benzene	11.51	91	587399	19.28	ug/l	99
68) m/p-Xylenes	11.62	106	461431	39.43	ug/l	99
69) o-Xylene	11.95	106	223235	19.70	ug/l	100
70) Styrene	11.96	104	351322	19.98	ug/l	99
71) Bromoform	12.13	173	100155	21.01	ug/l #	100
73) Isopropylbenzene	12.25	105	586953	20.03	ug/l	100
74) N-amyl acetate	12.07	43	149645	20.29	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	166463	23.92	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	187103	34.06	ug/l #	100
77) Bromobenzene	12.53	156	152831	19.41	ug/l	98
78) n-propylbenzene	12.59	91	635373	19.72	ug/l	100
79) 2-Chlorotoluene	12.68	91	394225	19.58	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	474465	20.02	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	36936	20.07	ug/l	92
82) 4-Chlorotoluene	12.77	91	383401	19.18	ug/l	100
83) tert-Butylbenzene	12.99	119	405108	19.36	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	471775	20.25	ug/l	100
85) sec-Butylbenzene	13.17	105	526425	19.62	ug/l	99
86) p-Isopropyltoluene	13.29	119	449448	19.76	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	245181	18.36	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	237543	19.38	ug/l	98
89) n-Butylbenzene	13.62	91	313837	17.73	ug/l	99
90) Hexachloroethane	13.88	117	87585	20.79	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	246575	18.95	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22562	22.90	ug/l	96

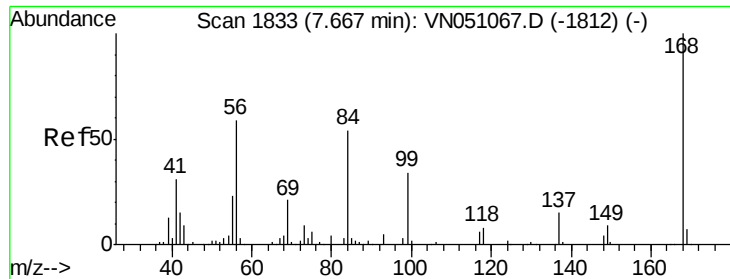
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091318\
Data File : VN051163.D
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Sample : VN0913WBSD01
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Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	87005	16.71	ug/l	99
94) Hexachlorobutadiene	15.01	225	77130	19.26	ug/l	98
95) Naphthalene	15.13	128	176608	17.34	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	94823	17.80	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

ClientSampleId :

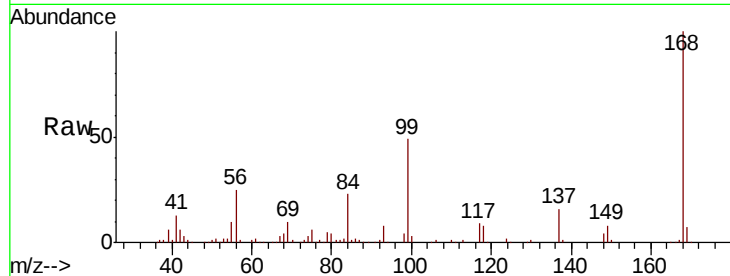
VN0913WBSD01

Tot Ion:168 Resp: 578142

Ion Ratio Lower Upper

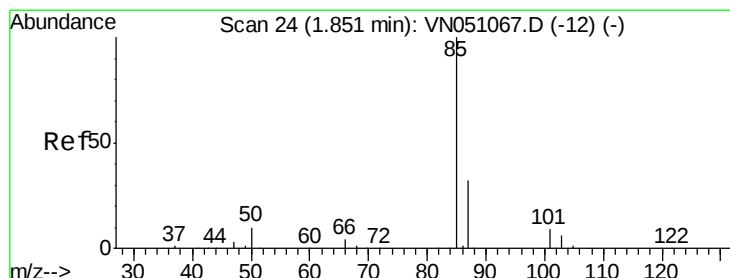
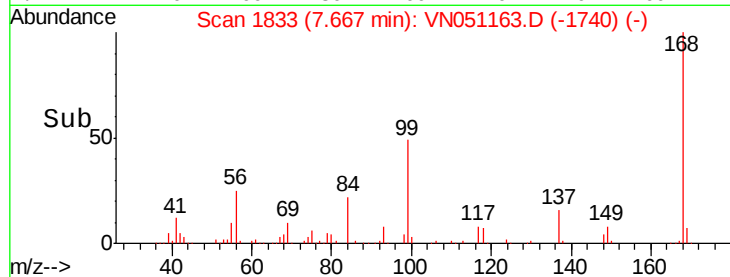
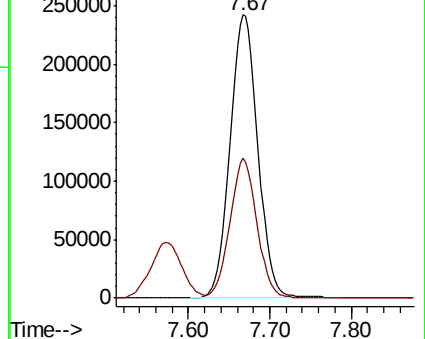
168 100

99 49.3 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.30 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051163.D

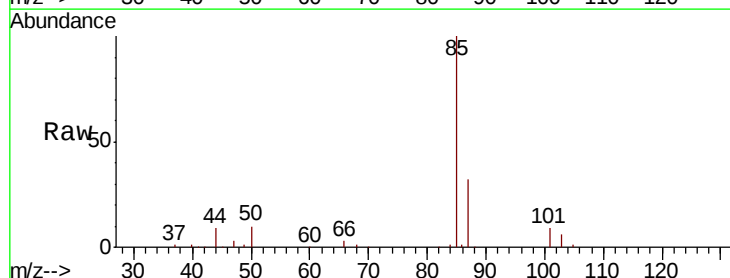
Acq: 13 Sep 2018 11:28

Tgt Ion: 85 Resp: 102055

Ion Ratio Lower Upper

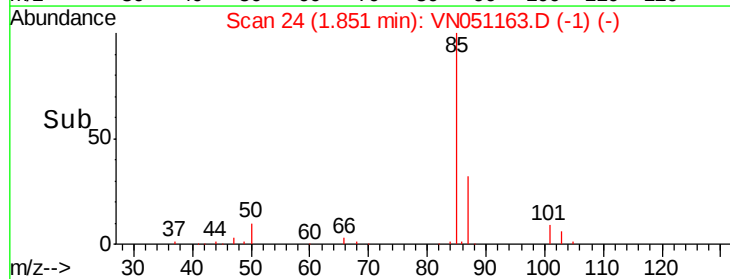
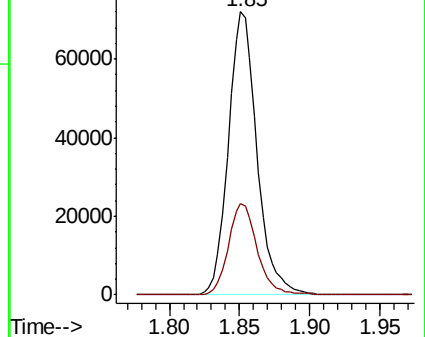
85 100

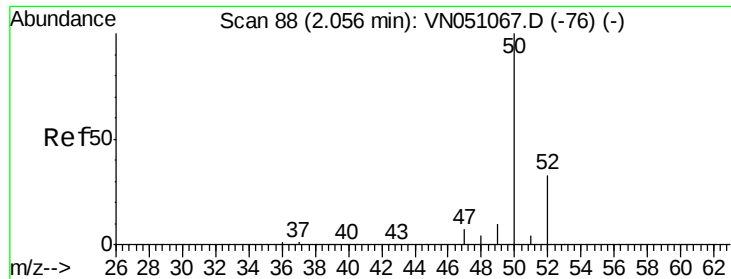
87 32.4 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 18.89 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

ClientSampleId :

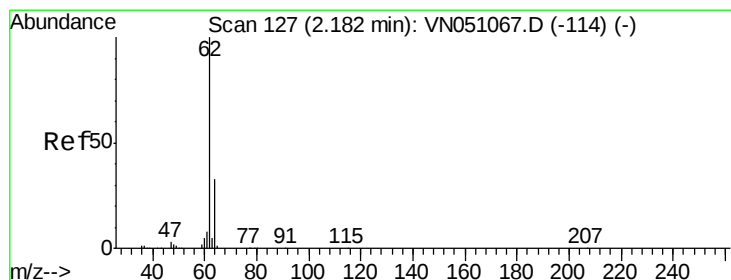
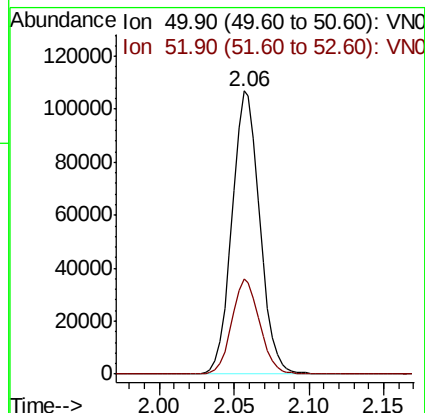
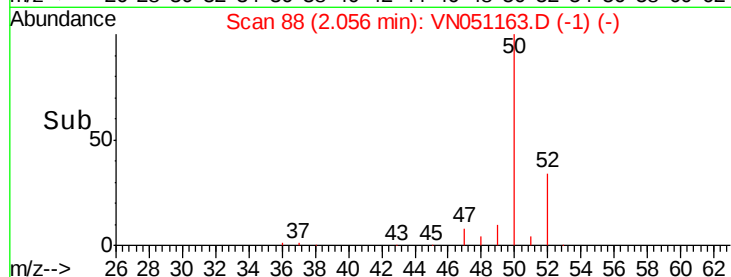
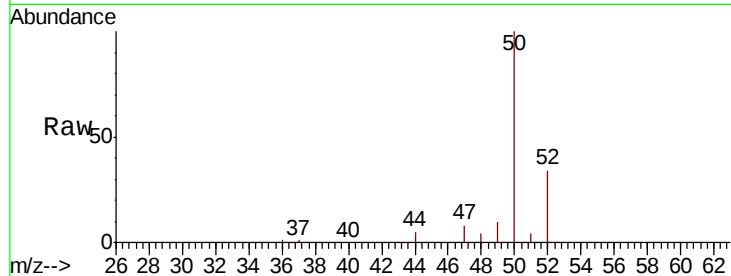
VN0913WBSD01

Tot Ion: 50 Resp: 138394

Ion Ratio Lower Upper

50 100

52 33.6 26.0 39.0



#4

Vinyl Chloride

Concen: 18.36 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051163.D

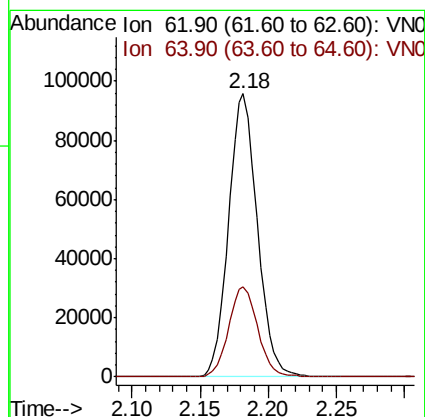
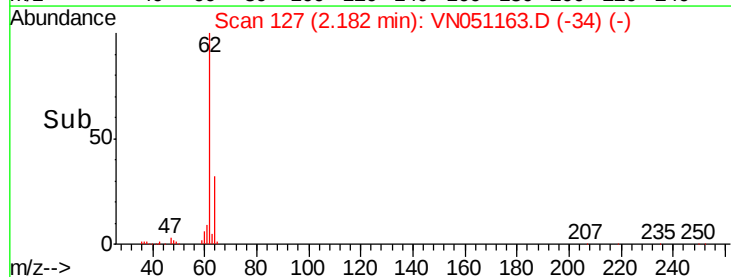
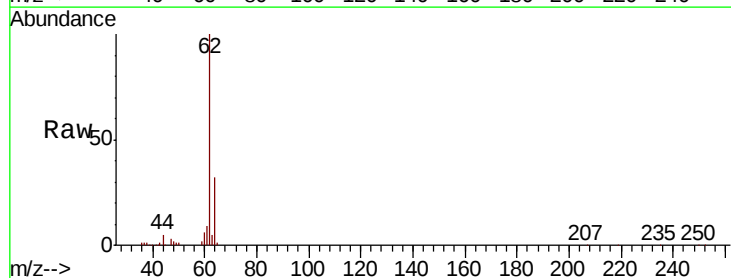
Acq: 13 Sep 2018 11:28

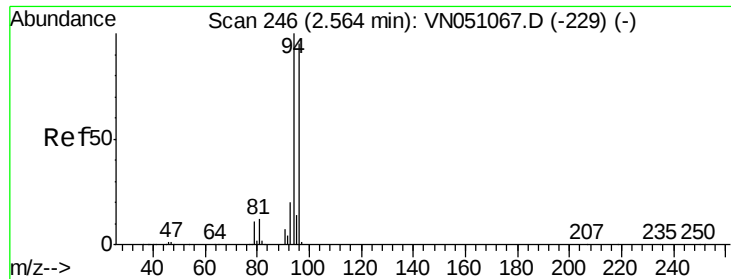
Tgt Ion: 62 Resp: 140525

Ion Ratio Lower Upper

62 100

64 31.9 26.2 39.4





#5

Bromomethane

Concen: 17.54 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

ClientSampleId :

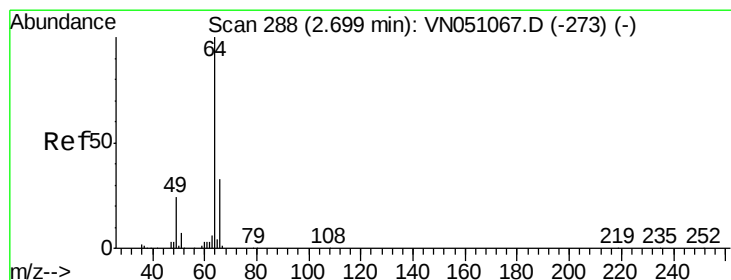
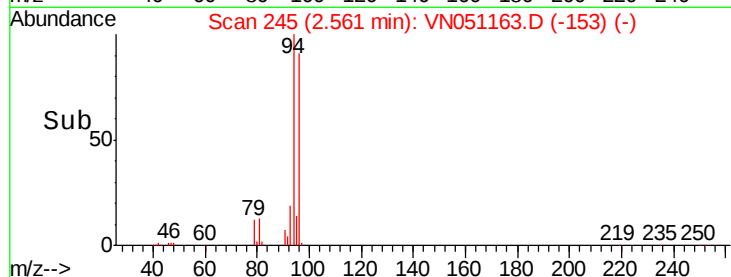
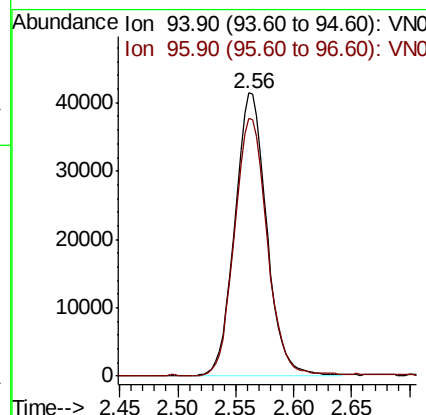
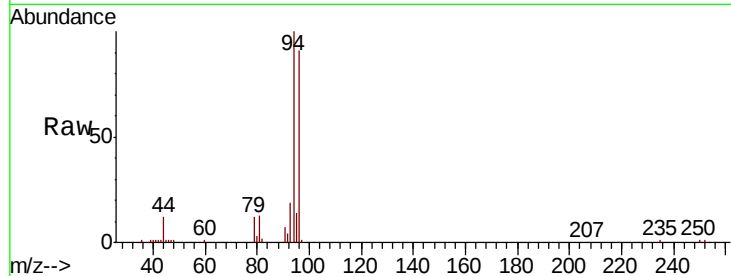
VN0913WBSD01

Tot Ion: 94 Resp: 78498

Ion Ratio Lower Upper

94 100

96 91.1 75.9 113.9



#6

Chloroethane

Concen: 18.22 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051163.D

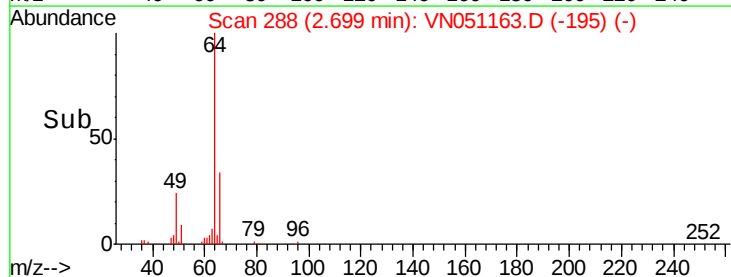
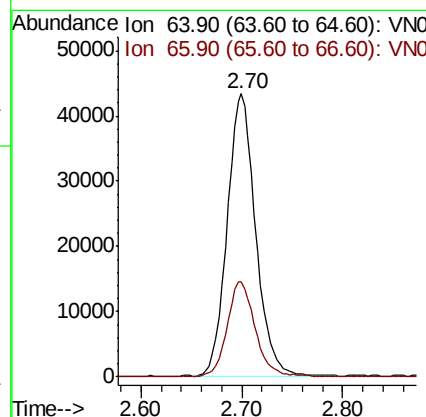
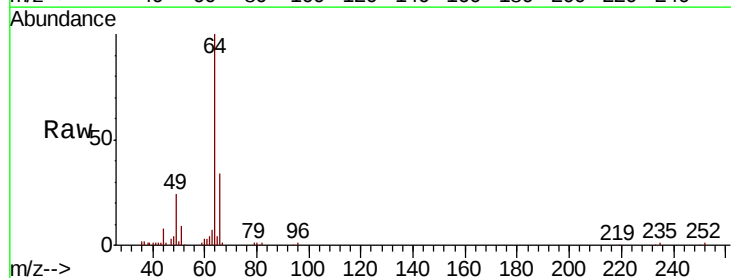
Acq: 13 Sep 2018 11:28

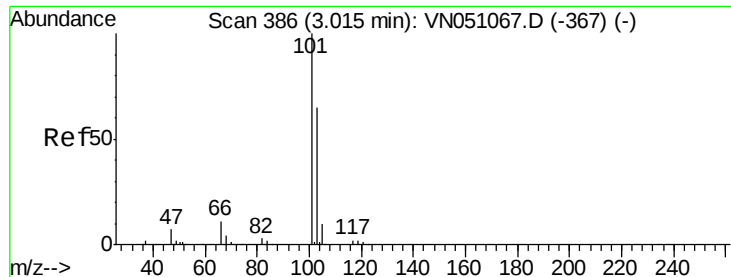
Tgt Ion: 64 Resp: 86045

Ion Ratio Lower Upper

64 100

66 33.5 26.1 39.1



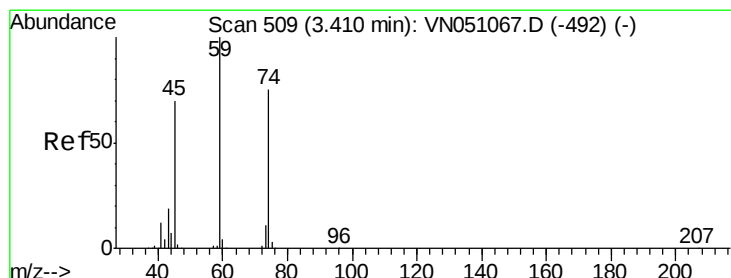
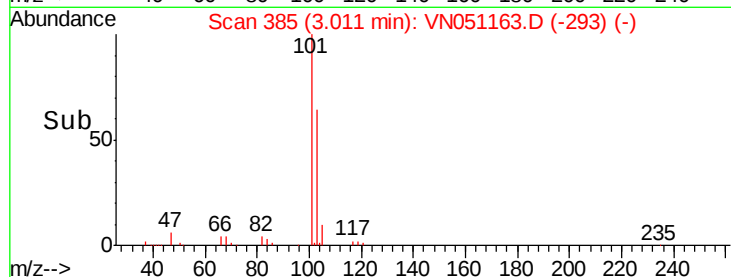
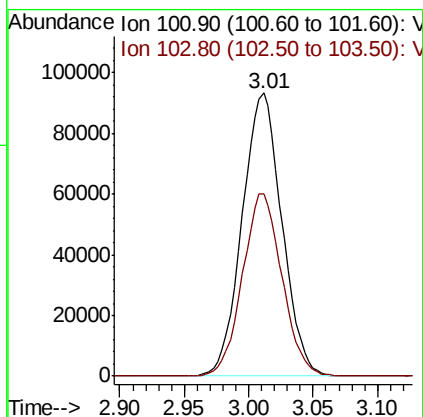
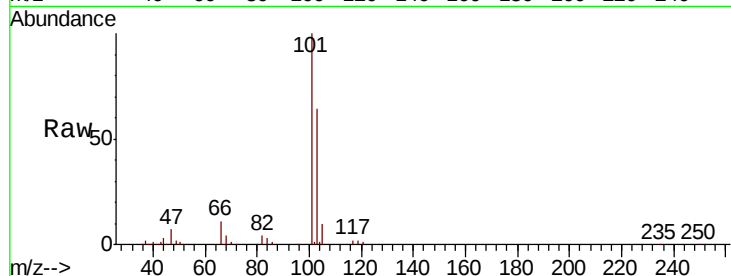


#7

Trichlorofluoromethane
 Concen: 19.77 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

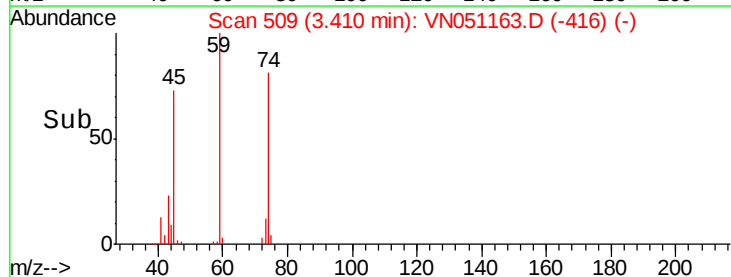
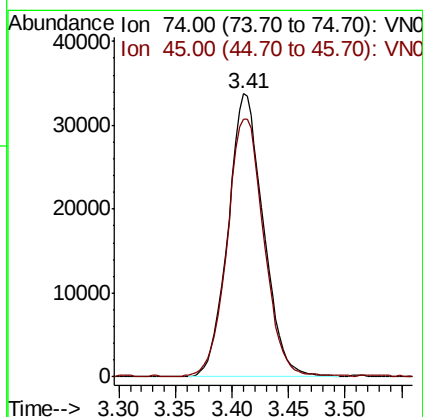
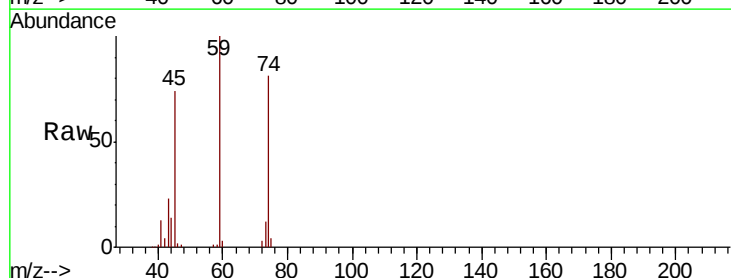
Tot Ion:101 Resp: 200458
 Ion Ratio Lower Upper
 101 100
 103 64.3 52.4 78.6

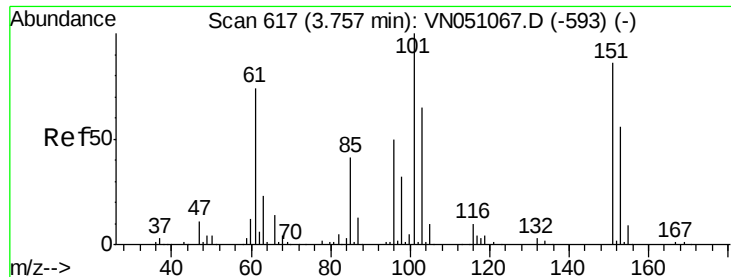


#8

Diethyl Ether
 Concen: 19.72 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Tgt Ion: 74 Resp: 73544
 Ion Ratio Lower Upper
 74 100
 45 94.8 46.7 140.0

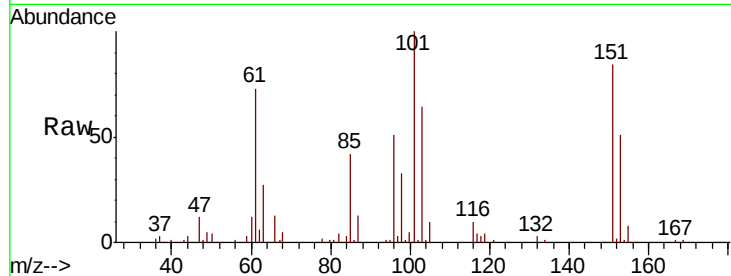




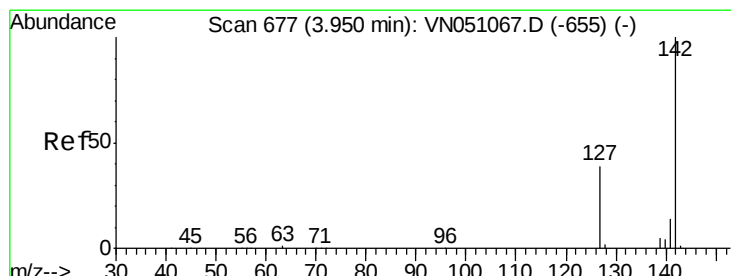
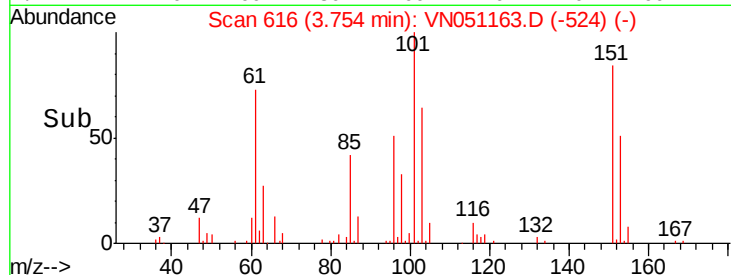
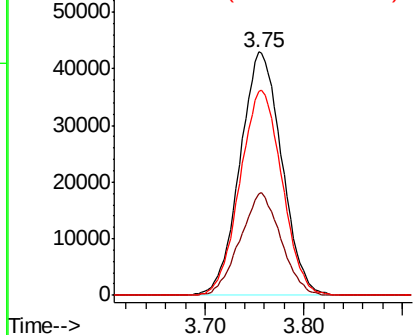
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.19 ug/l
 RT: 3.75 min Scan# 616
 Delta R.T. -0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

Tot Ion:101 Resp: 125462
 Ion Ratio Lower Upper
 101 100
 85 41.2 33.3 49.9
 151 85.0 68.2 102.2

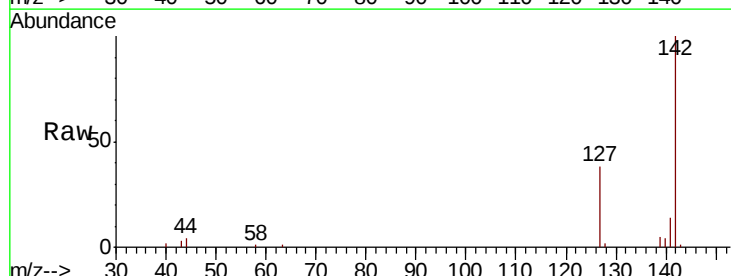


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

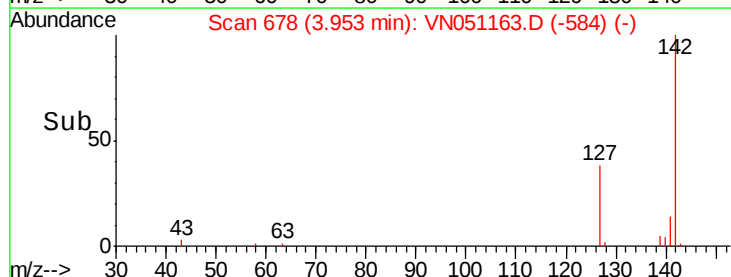
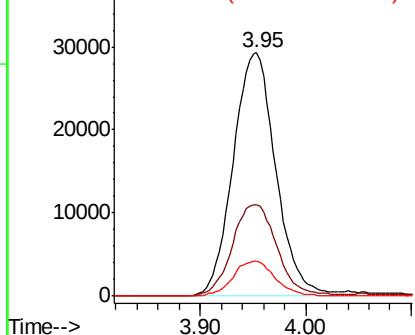


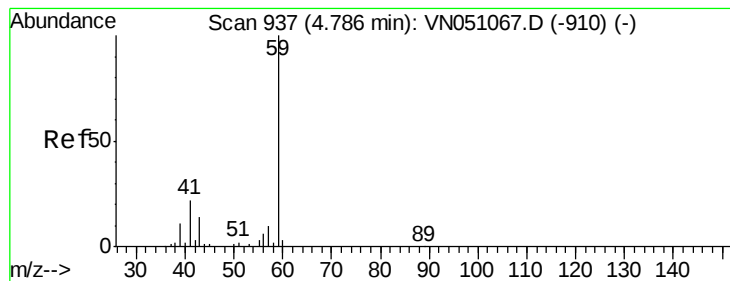
#10
 Methyl Iodide
 Concen: 17.58 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Tgt Ion:142 Resp: 82305
 Ion Ratio Lower Upper
 142 100
 127 39.2 31.0 46.4
 141 14.2 11.3 16.9



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V



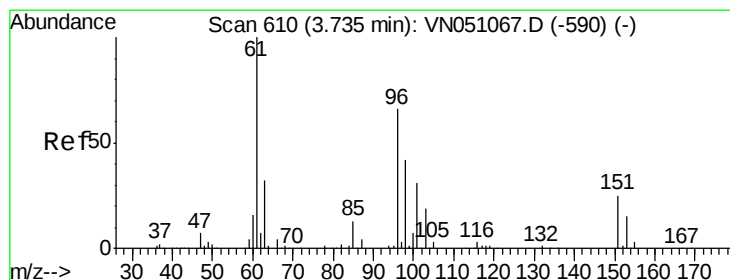
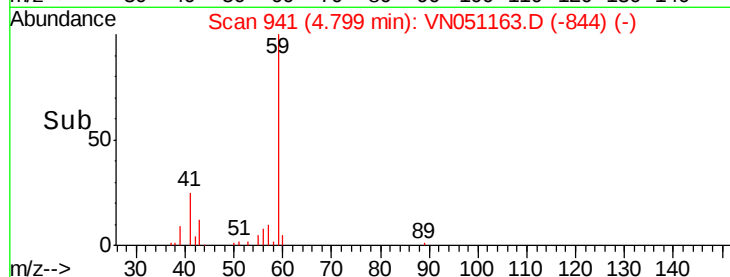
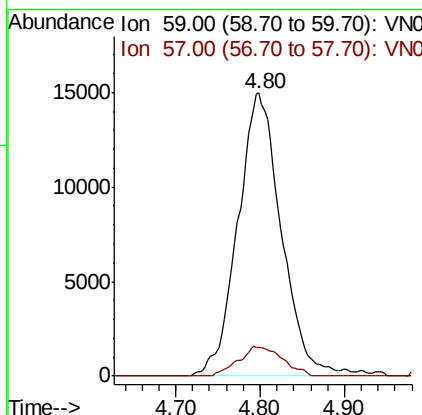
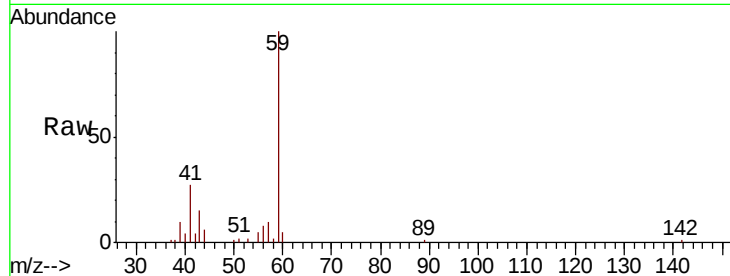


#11

Tert butyl alcohol
 Concen: 108.75 ug/l
 RT: 4.80 min Scan# 941
 Delta R.T. 0.01 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

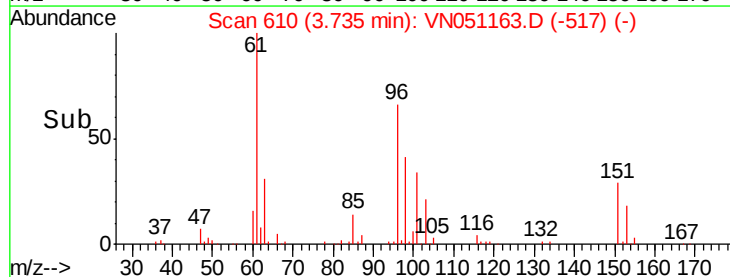
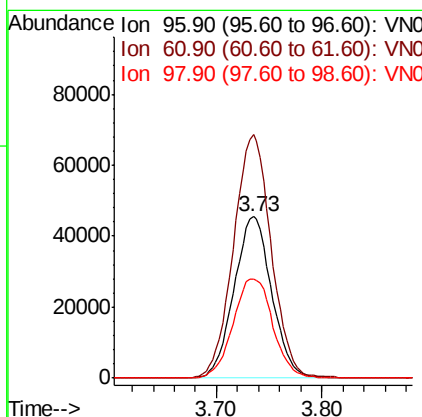
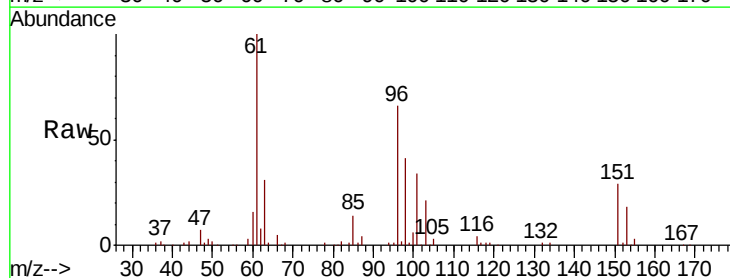
Tot Ion: 59 Resp: 53445
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.1 12.1

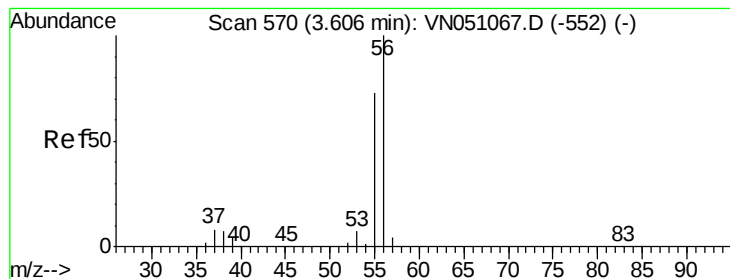


#12

1,1-Dichloroethene
 Concen: 18.32 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Tgt Ion: 96 Resp: 112974
 Ion Ratio Lower Upper
 96 100
 61 150.8 120.3 180.5
 98 61.1 50.8 76.2





#13

Acrolein

Concen: 89.46 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

ClientSampleId :

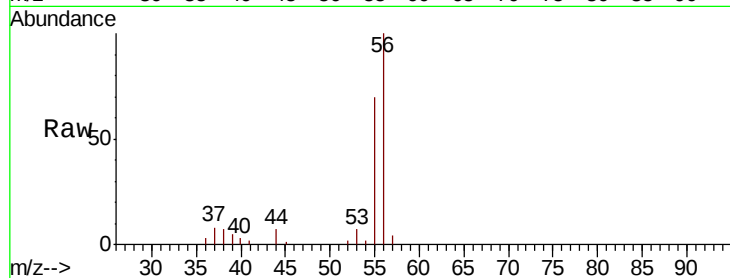
VN0913WBSD01

Tot Ion: 56 Resp: 43300

Ion Ratio Lower Upper

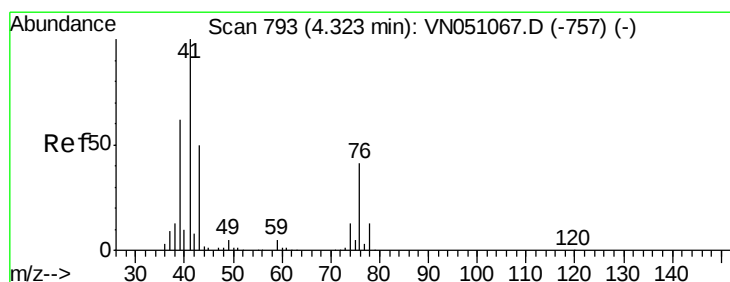
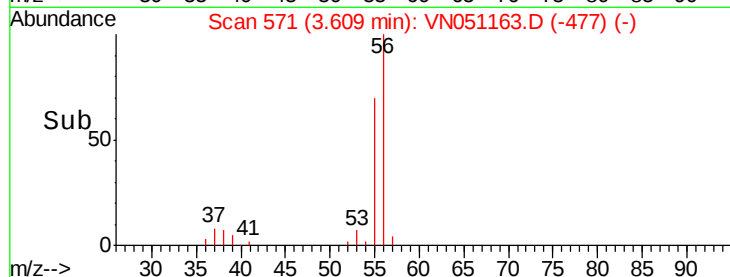
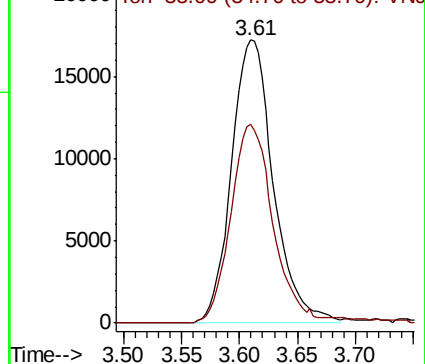
56 100

55 70.4 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: 18.58 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

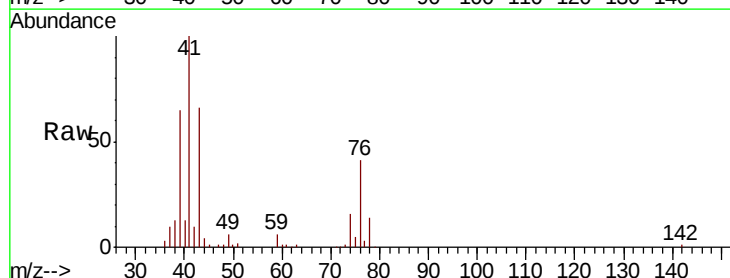
Tgt Ion: 41 Resp: 174530

Ion Ratio Lower Upper

41 100

39 61.8 48.8 73.2

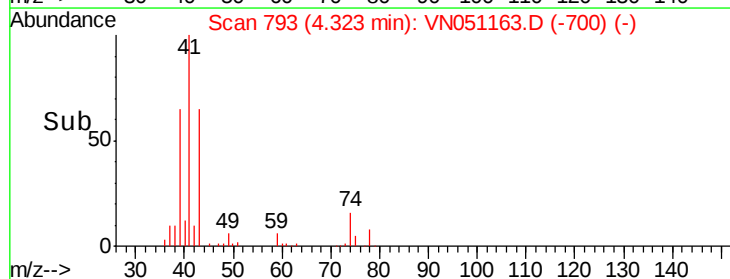
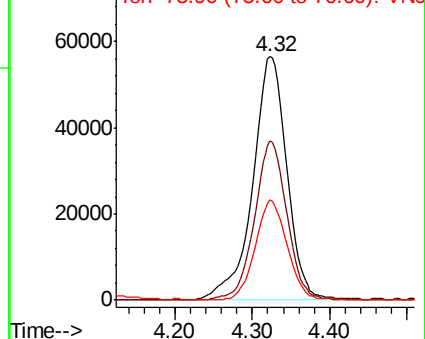
76 38.2 30.6 45.8

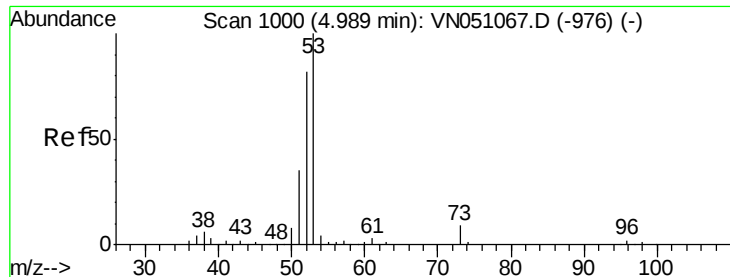


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 109.84 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

ClientSampled :

VN0913WBSD01

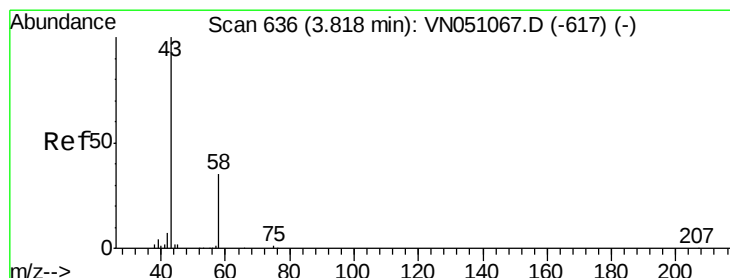
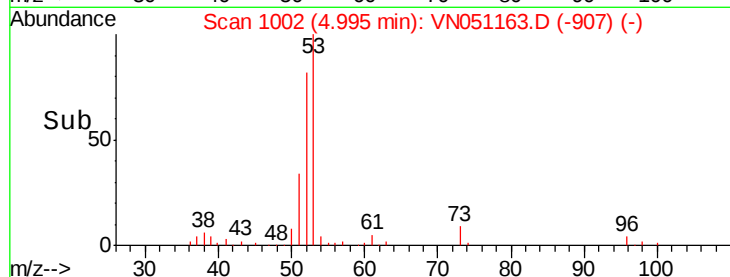
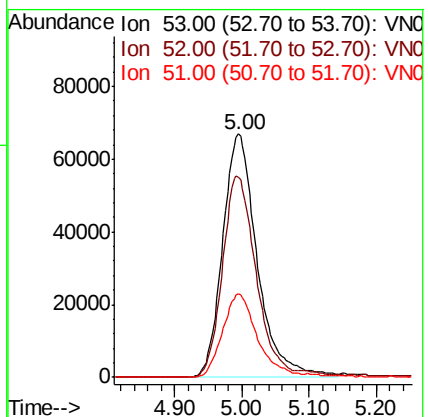
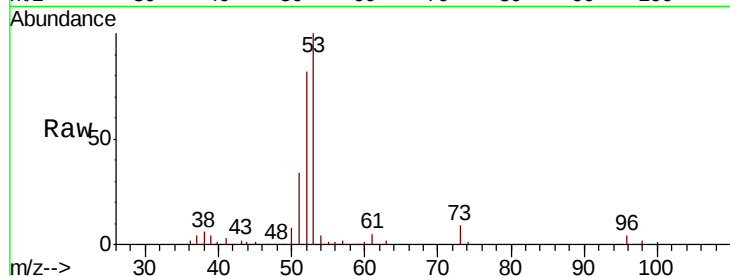
Tot Ion: 53 Resp: 239174

Ion Ratio Lower Upper

53 100

52 80.3 65.3 97.9

51 34.6 28.2 42.2



#16

Acetone

Concen: 108.54 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051163.D

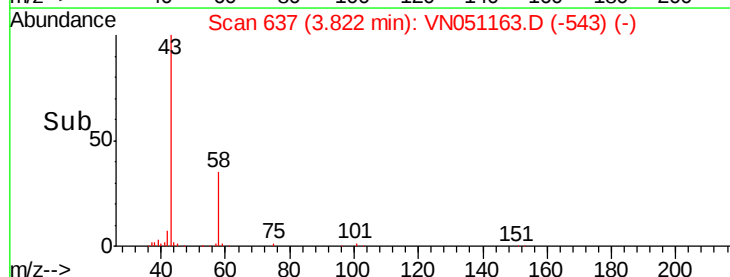
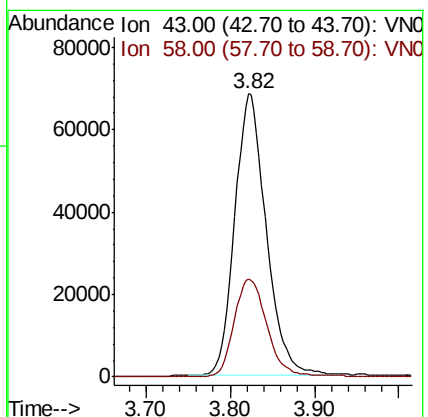
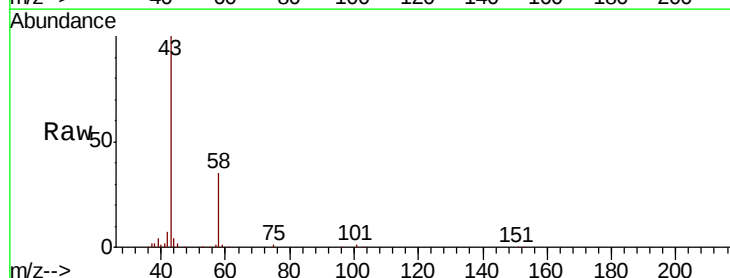
Acq: 13 Sep 2018 11:28

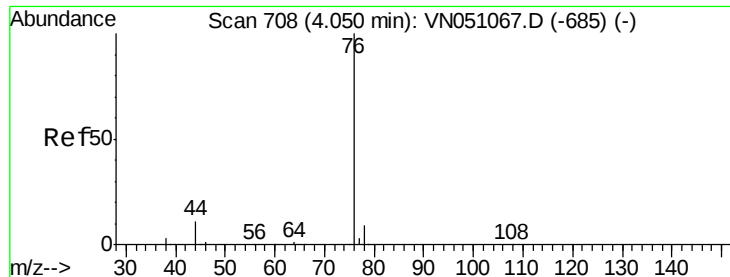
Tgt Ion: 43 Resp: 177919

Ion Ratio Lower Upper

43 100

58 34.9 27.8 41.6

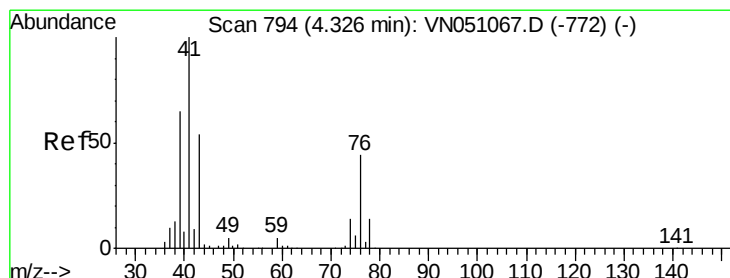
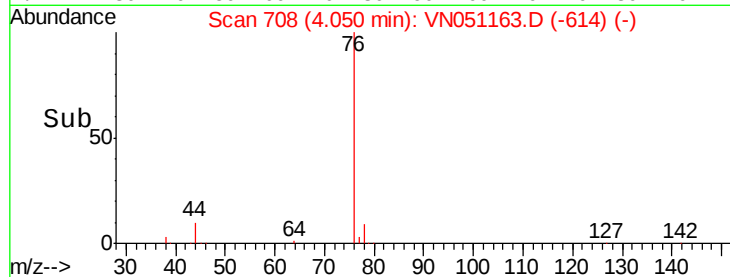
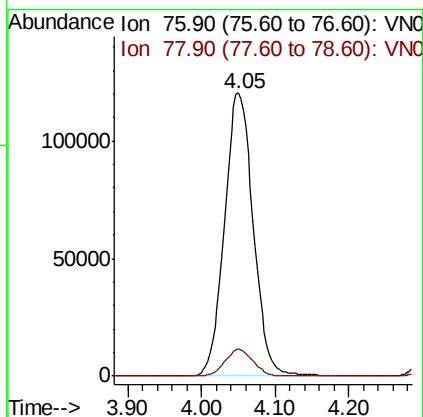
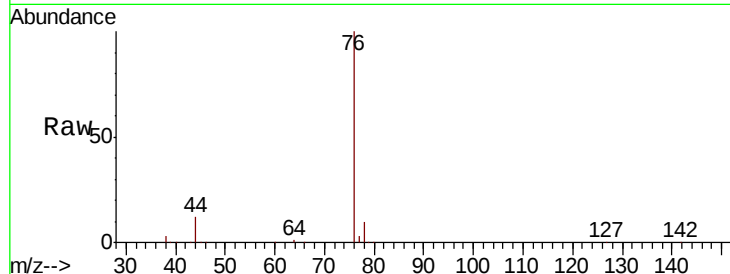




#17
Carbon Disulfide
Concen: 18.03 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

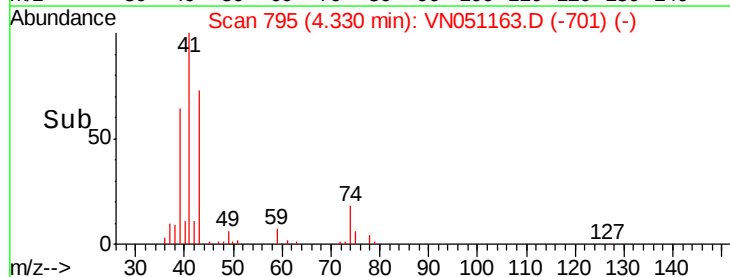
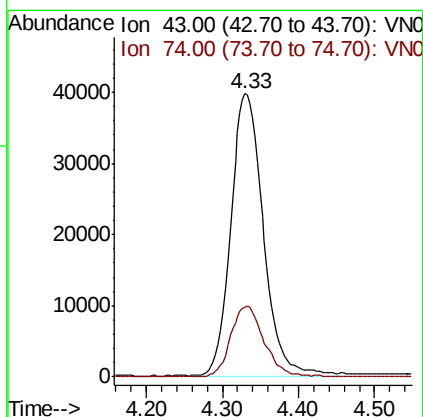
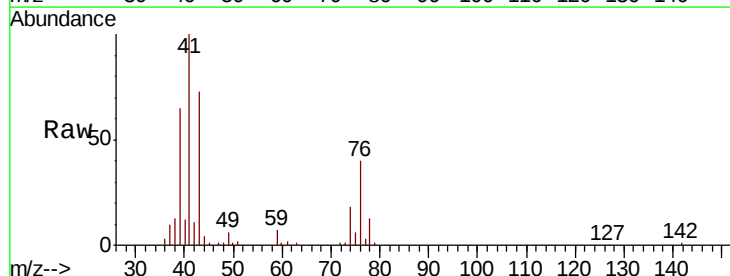
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

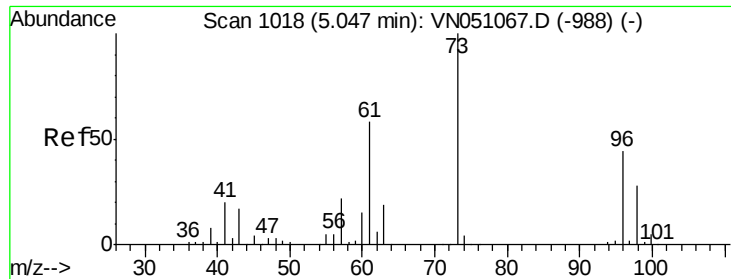
Tot Ion: 76 Resp: 326340
Ion Ratio Lower Upper
76 100
78 9.7 7.0 10.6



#18
Methyl Acetate
Concen: 22.82 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Tgt Ion: 43 Resp: 117579
Ion Ratio Lower Upper
43 100
74 25.7 20.7 31.1

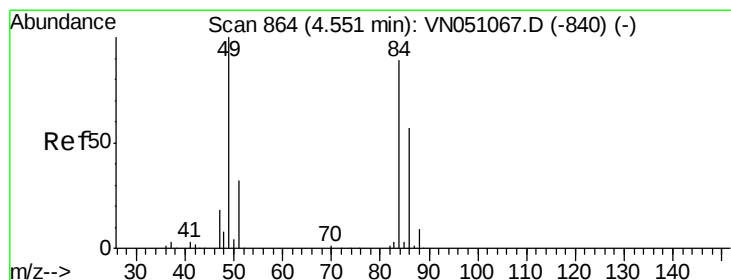
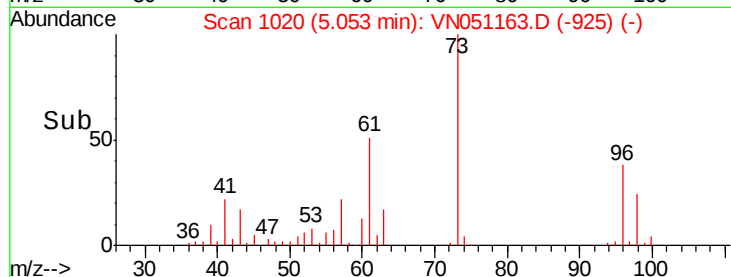
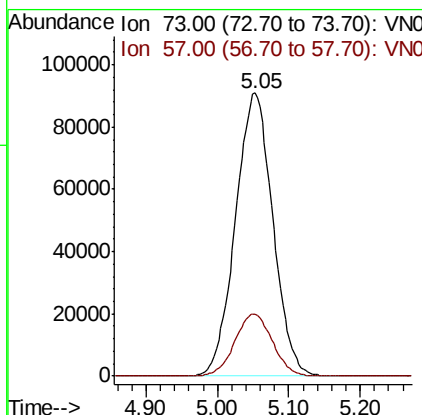
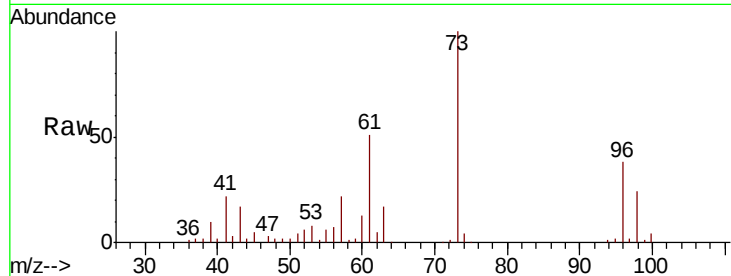




#19
Methyl tert-butyl Ether
Concen: 20.33 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

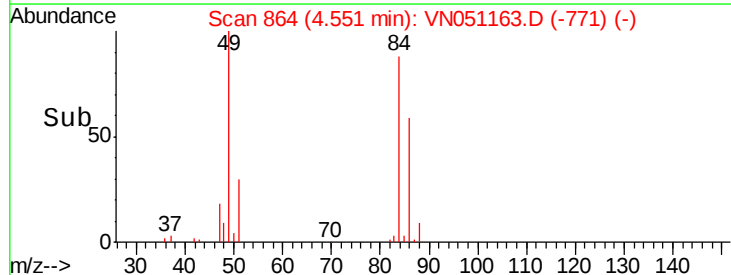
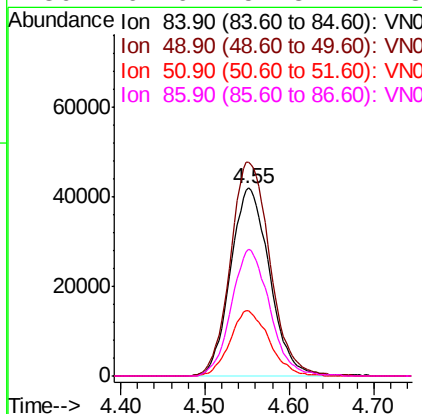
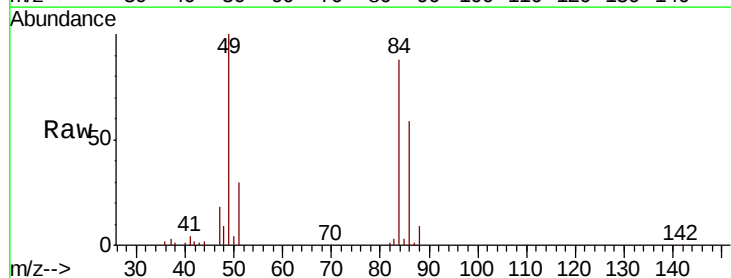
Instrument :
MSVOA_N
ClientSampleID :
VN0913WBSD01

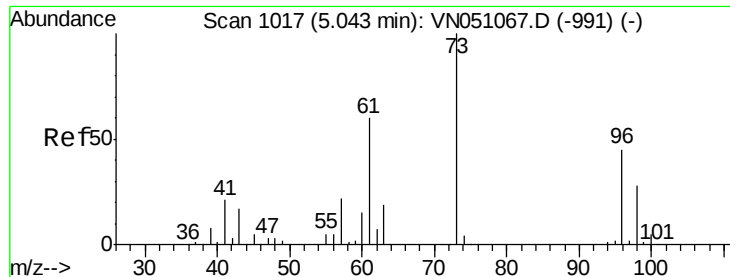
Tot Ion: 73 Resp: 331439
Ion Ratio Lower Upper
73 100
57 21.9 17.9 26.9



#20
Methylene Chloride
Concen: 19.03 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Tgt Ion: 84 Resp: 135213
Ion Ratio Lower Upper
84 100
49 113.8 90.2 135.2
51 34.6 28.4 42.6
86 67.6 51.8 77.8

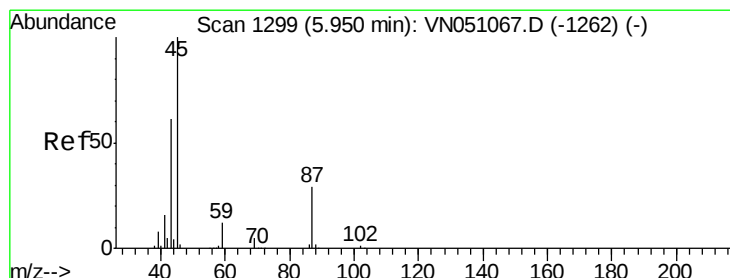
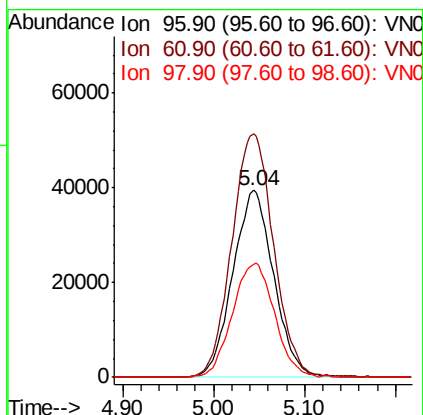
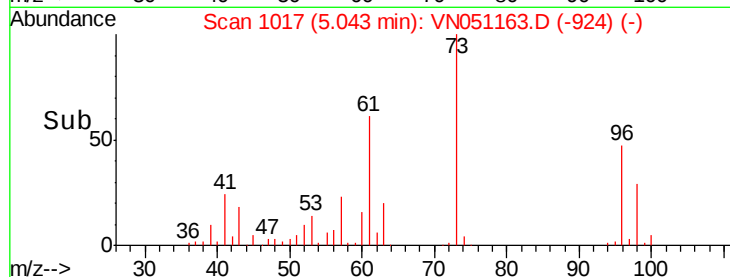
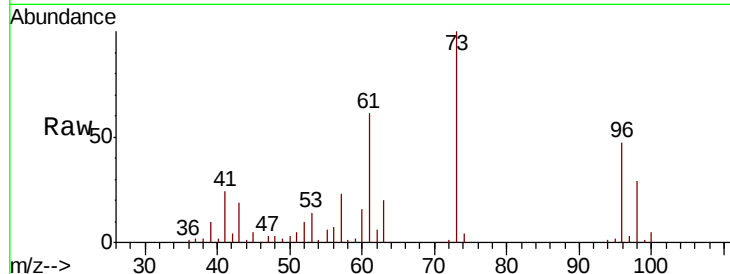




#21
trans-1,2-Dichloroethene
Concen: 18.41 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

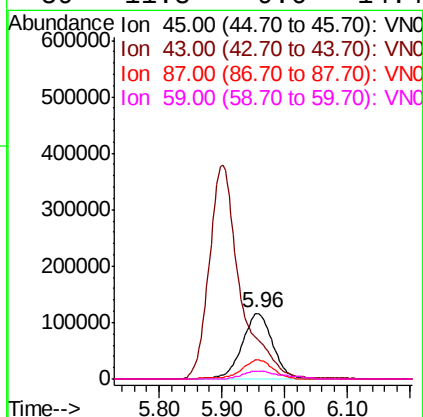
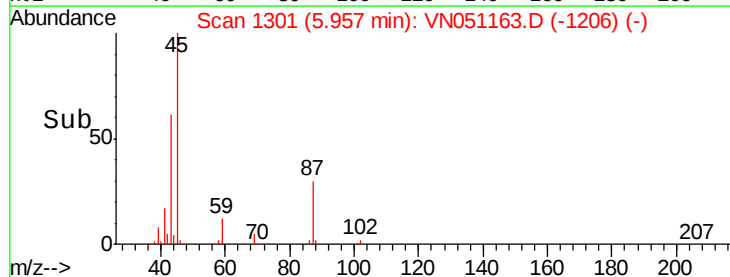
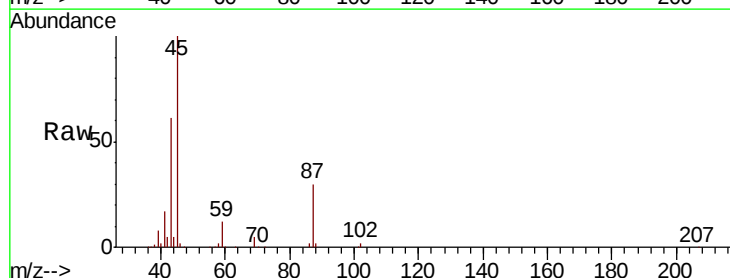
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

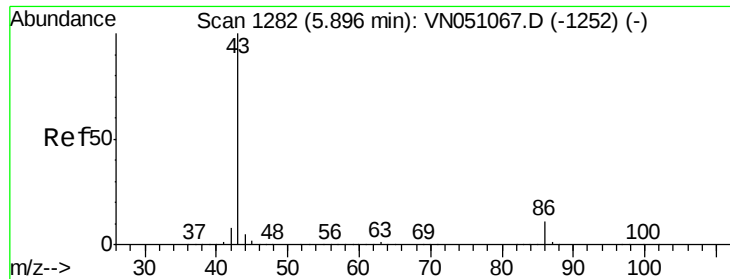
Tot Ion: 96 Resp: 123152
Ion Ratio Lower Upper
96 100
61 129.7 106.5 159.7
98 60.7 50.4 75.6



#22
Diisopropyl ether
Concen: 21.11 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Tgt Ion: 45 Resp: 393667
Ion Ratio Lower Upper
45 100
43 60.0 48.8 73.2
87 29.8 23.8 35.8
59 11.8 9.6 14.4

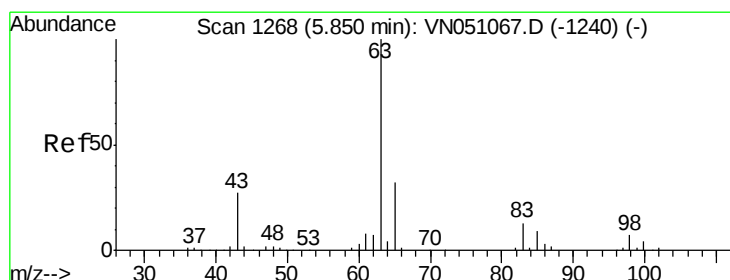
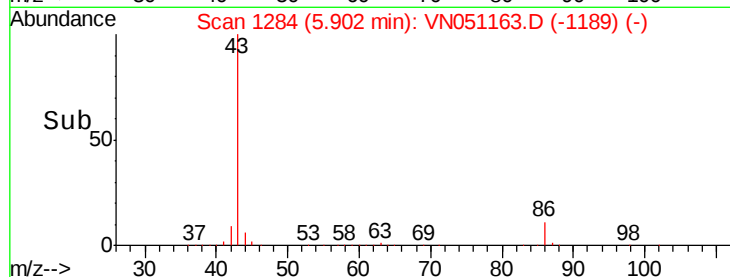
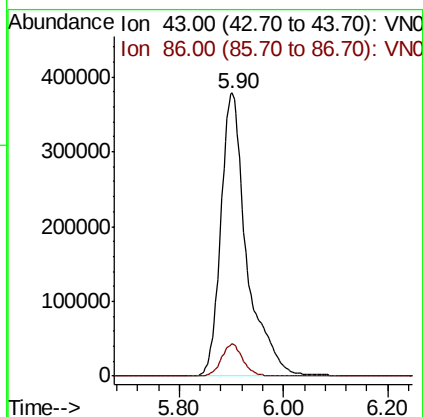
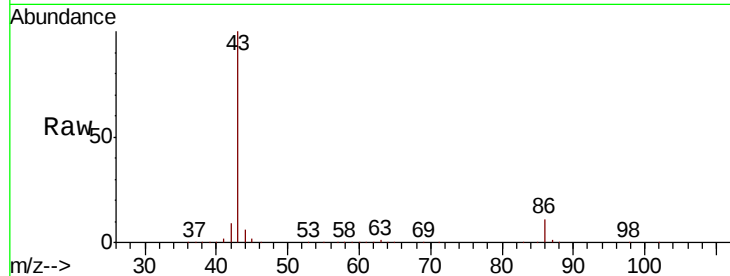




#23
 Vinyl Acetate
 Concen: 103.56 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.01 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

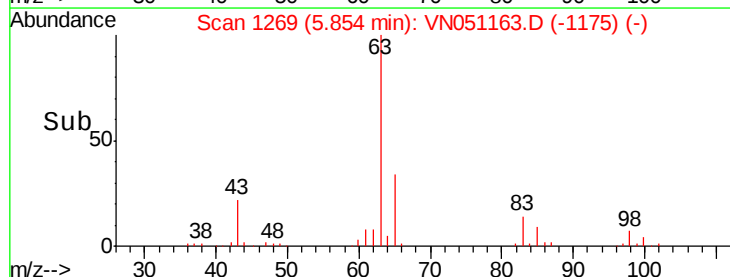
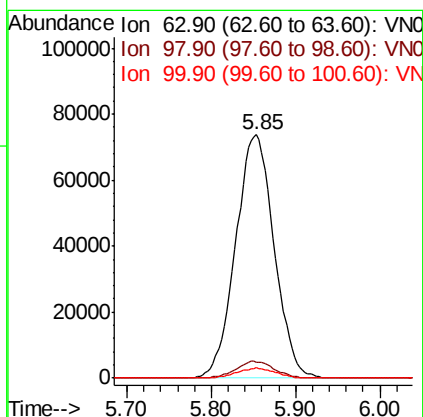
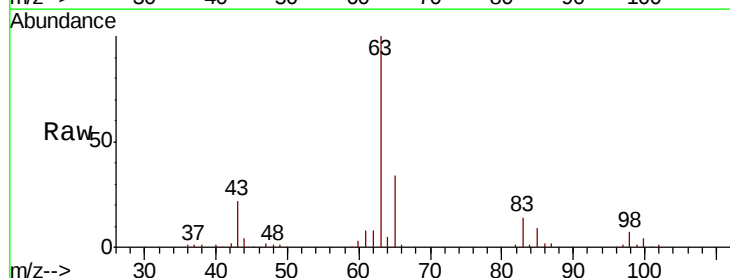
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

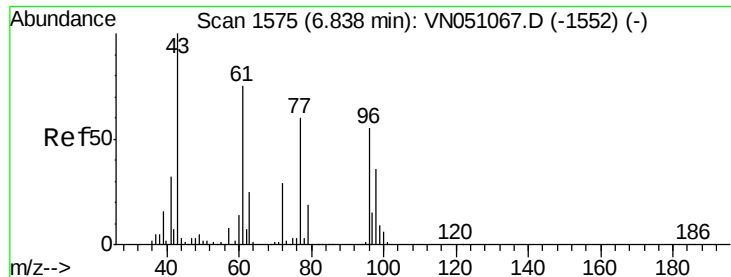
Tot Ion: 43 Resp: 1307088
 Ion Ratio Lower Upper
 43 100
 86 11.3 9.2 13.8



#24
 1,1-Dichloroethane
 Concen: 19.77 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Tgt Ion: 63 Resp: 233902
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.4 10.1
 100 4.2 2.1 6.3





#25

2-Butanone

Concen: 104.41 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

ClientSampled :

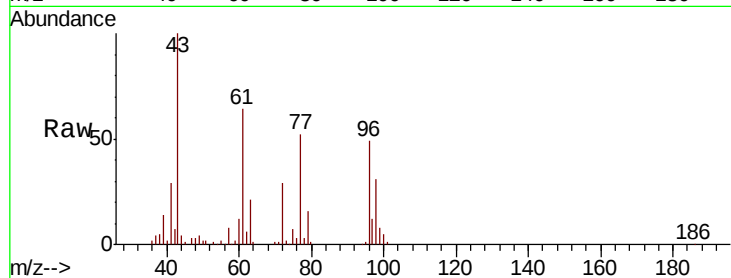
VN0913WBSD01

Tot Ion: 43 Resp: 264108

Ion Ratio Lower Upper

43 100

72 28.6 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

100000

80000

60000

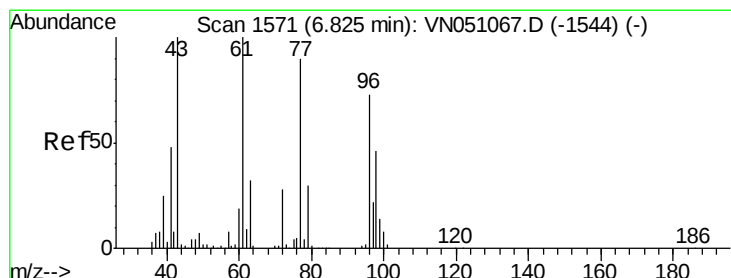
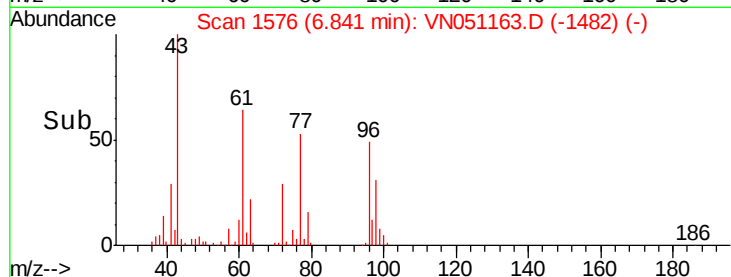
40000

20000

0

6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 18.88 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051163.D

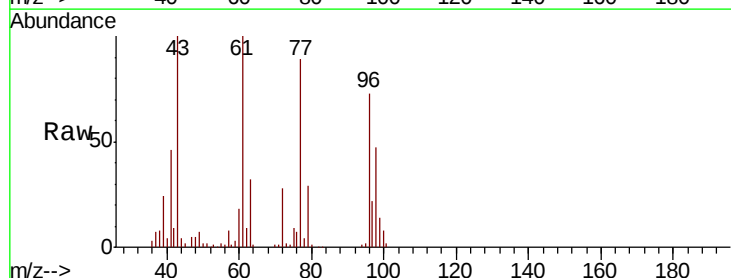
Acq: 13 Sep 2018 11:28

Tgt Ion: 77 Resp: 182876

Ion Ratio Lower Upper

77 100

97 24.4 12.1 36.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.83

60000

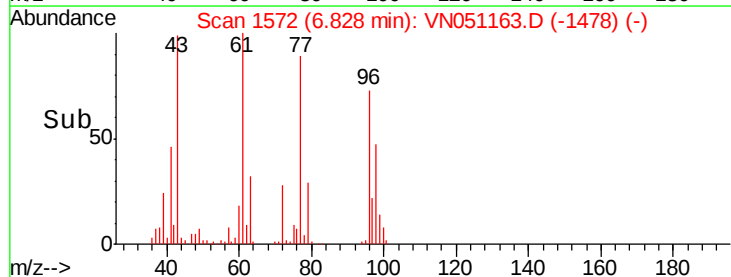
40000

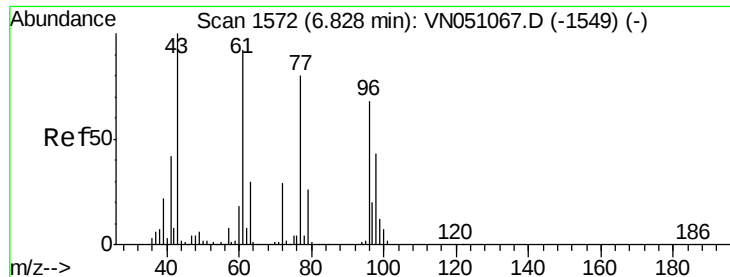
20000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 19.22 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

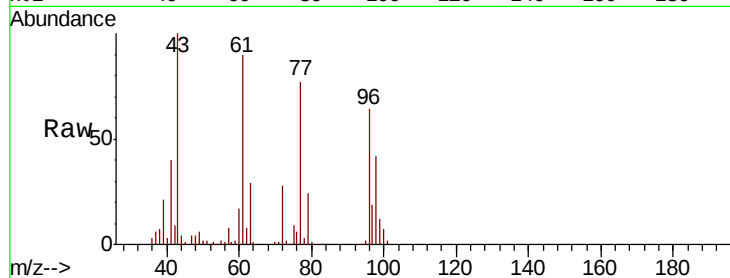
Tot Ion: 96 Resp: 141010

Ion Ratio Lower Upper

96 100

61 136.7 0.0 278.2

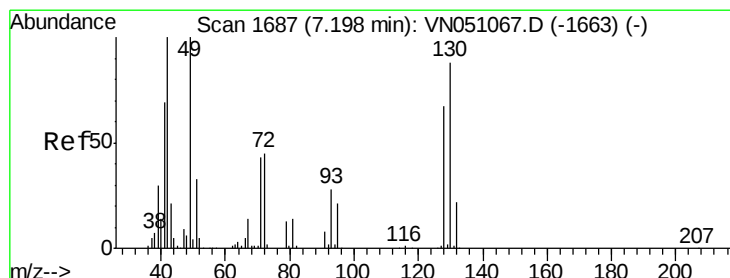
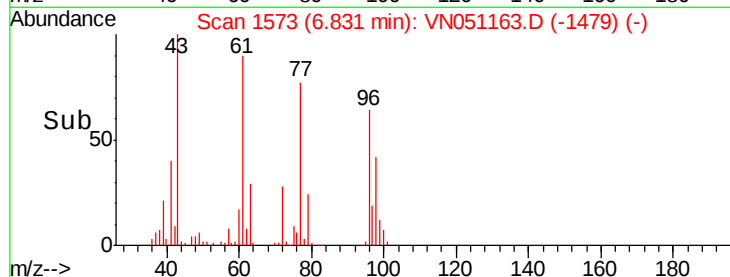
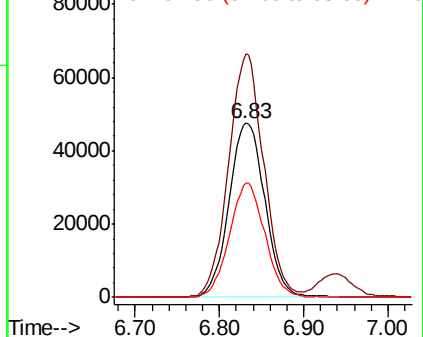
98 64.3 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN051067.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN051067.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN051067.D (-1549) (-)



#28

Bromochloromethane

Concen: 18.10 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

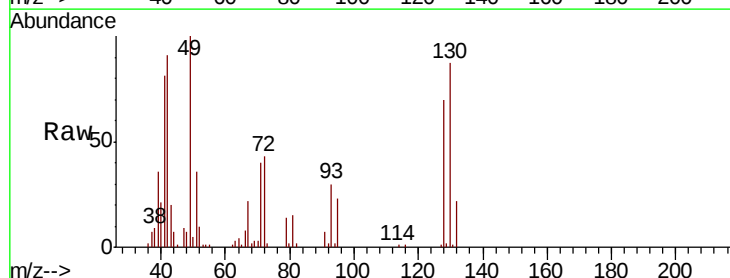
Tgt Ion: 49 Resp: 95319

Ion Ratio Lower Upper

49 100

129 1.2 0.0 4.4

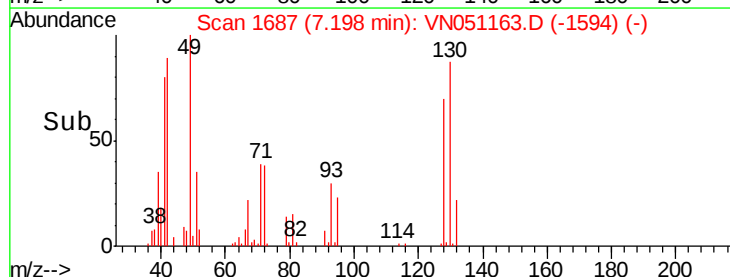
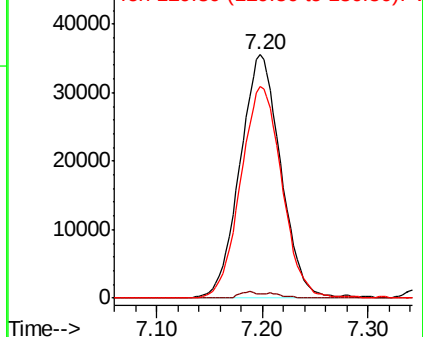
130 87.8 70.7 106.1

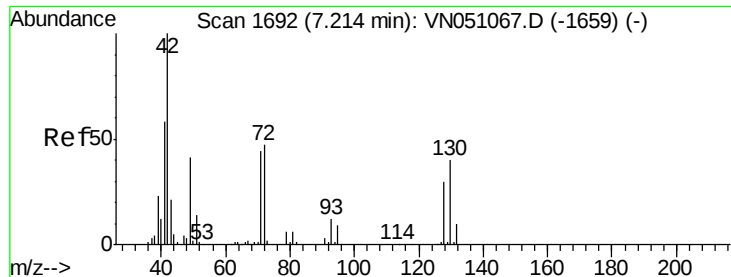


Abundance Ion 48.90 (48.60 to 49.60): VN051067.D (-1663) (-)

Ion 128.80 (128.50 to 129.50): VN051067.D (-1663) (-)

Ion 129.80 (129.50 to 130.50): VN051067.D (-1663) (-)

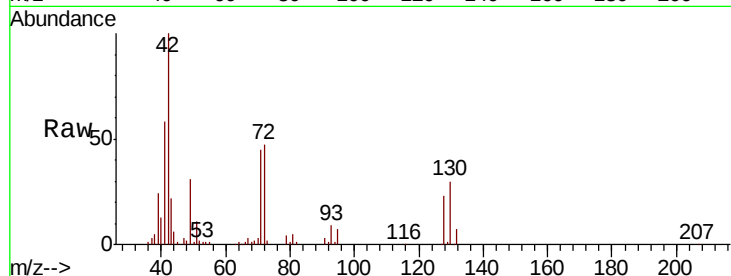




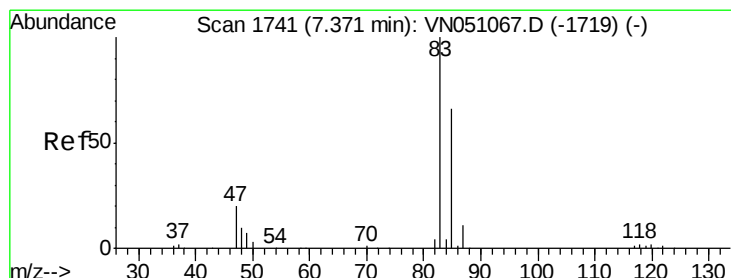
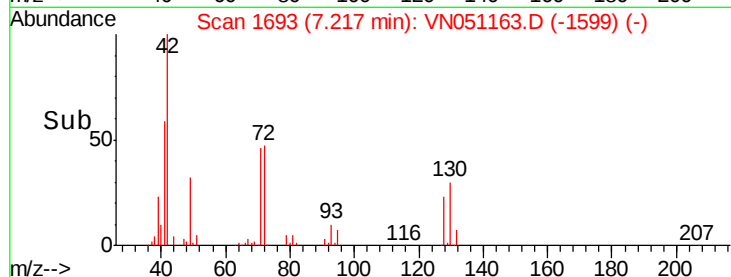
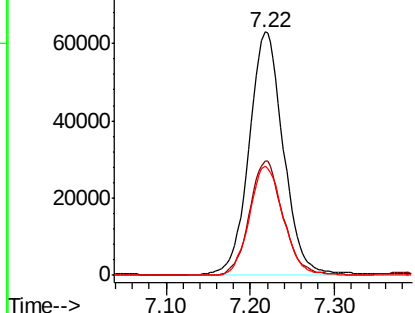
#29
Tetrahydrofuran
Concen: 111.66 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tot Ion: 42 Resp: 176392
Ion Ratio Lower Upper
42 100
72 46.4 37.4 56.0
71 44.6 34.7 52.1

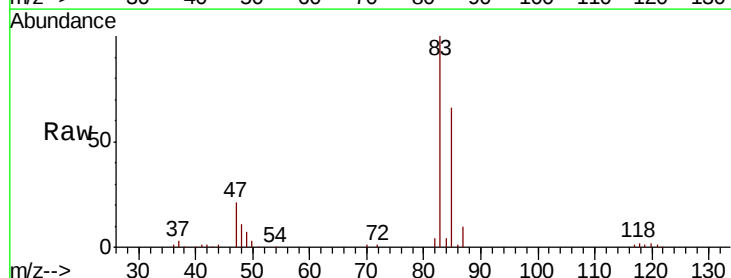


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

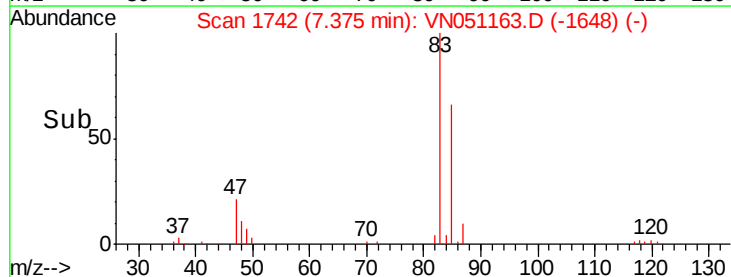
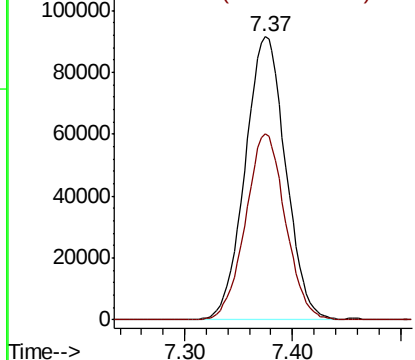


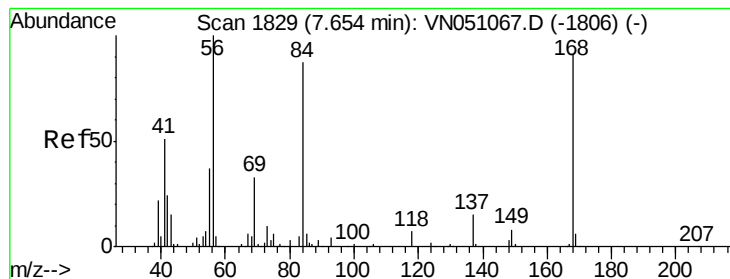
#30
Chloroform
Concen: 20.30 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Tgt Ion: 83 Resp: 238906
Ion Ratio Lower Upper
83 100
85 65.7 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: 18.77 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

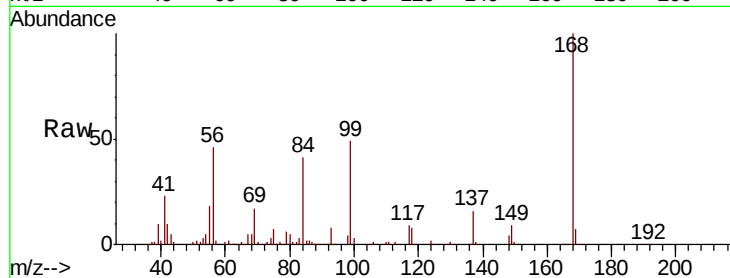
Tot Ion: 56 Resp: 199517

Ion Ratio Lower Upper

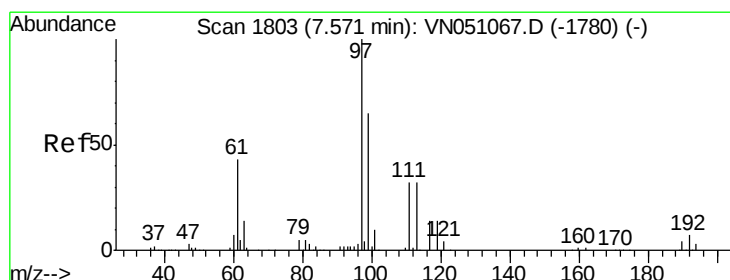
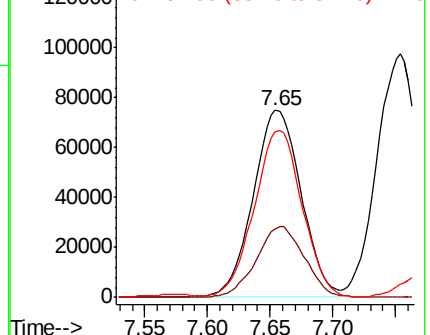
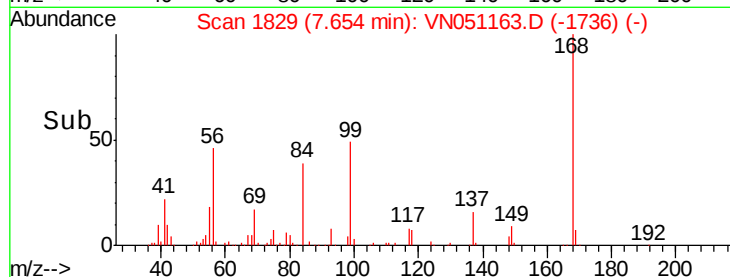
56 100

69 36.9 26.3 39.5

84 87.2 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: 19.95 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

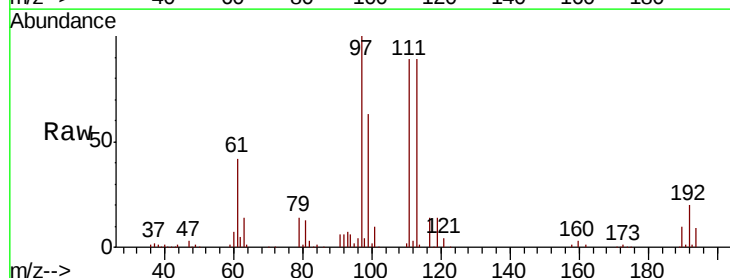
Tgt Ion: 97 Resp: 200093

Ion Ratio Lower Upper

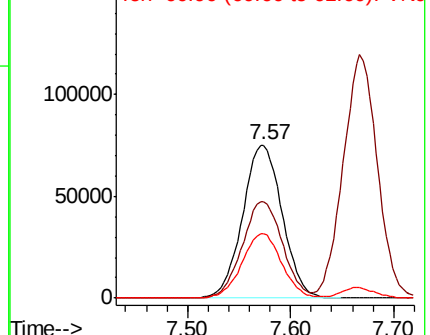
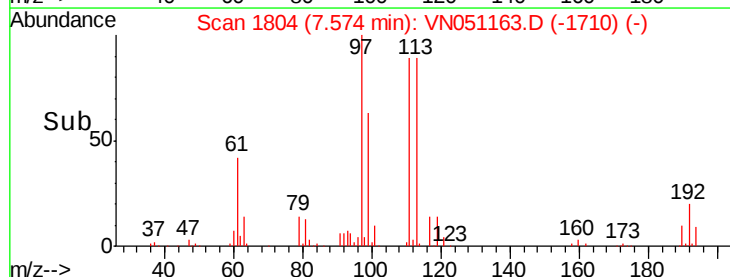
97 100

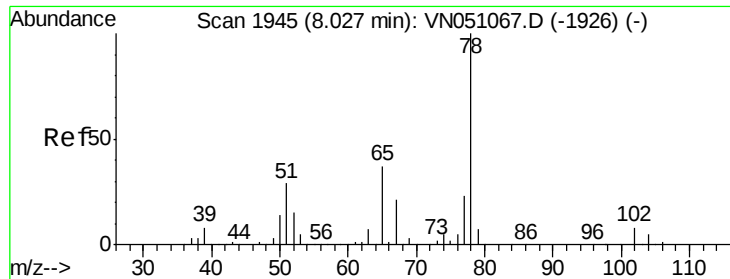
99 64.2 51.6 77.4

61 42.3 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

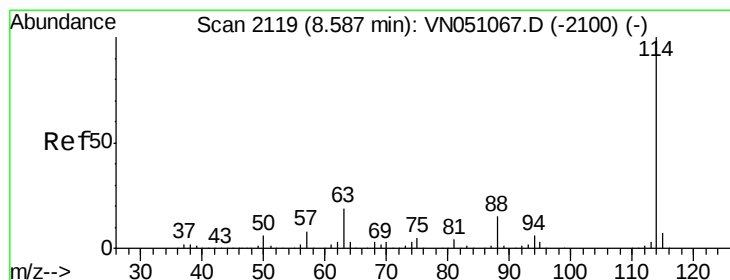
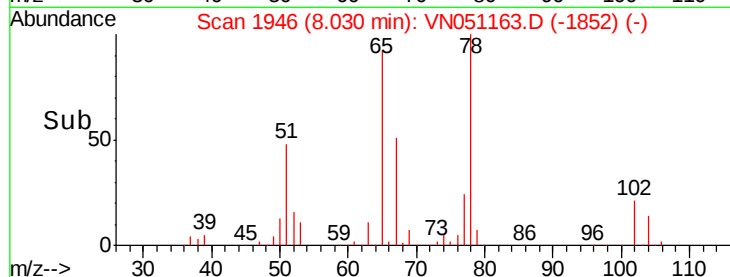
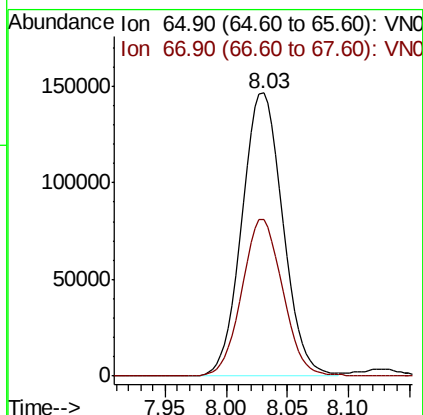
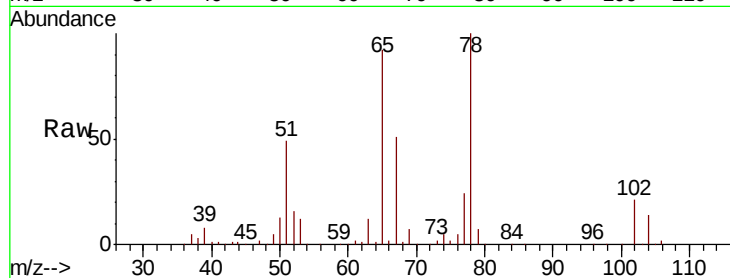




#33
 1,2-Dichloroethane-d4
 Concen: 52.90 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

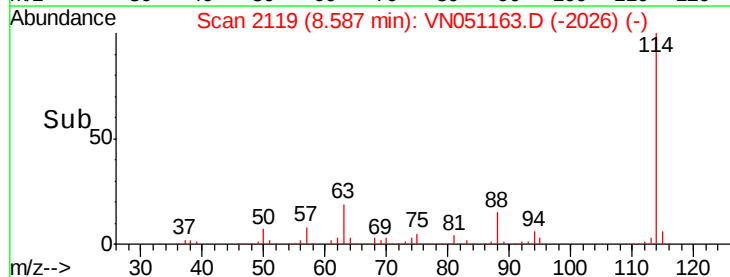
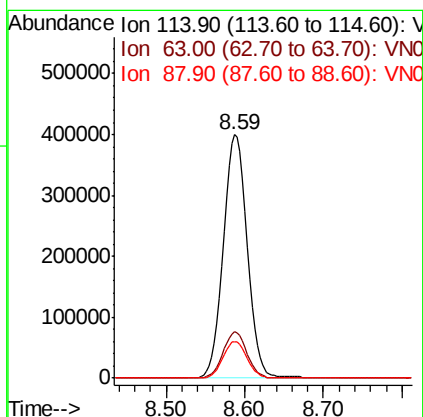
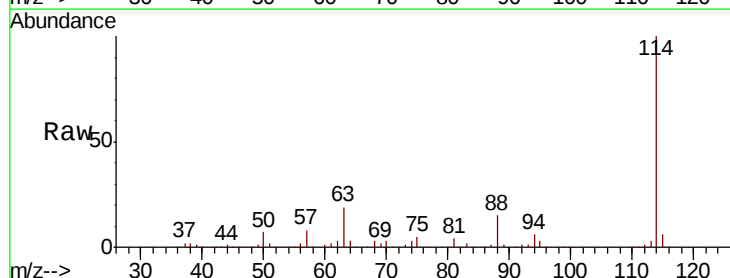
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

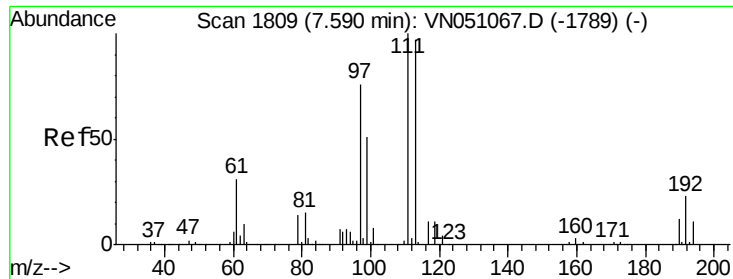
Tot Ion: 65 Resp: 340320
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Tgt Ion: 114 Resp: 836813
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 37.8
 88 15.1 0.0 30.8

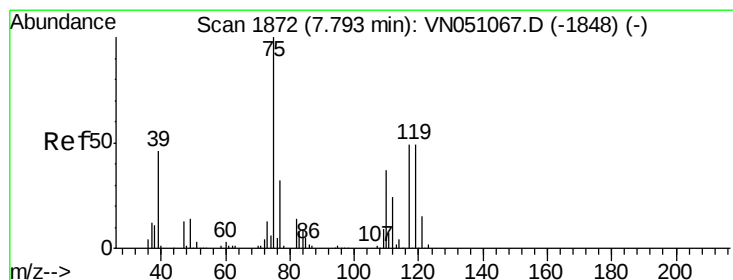
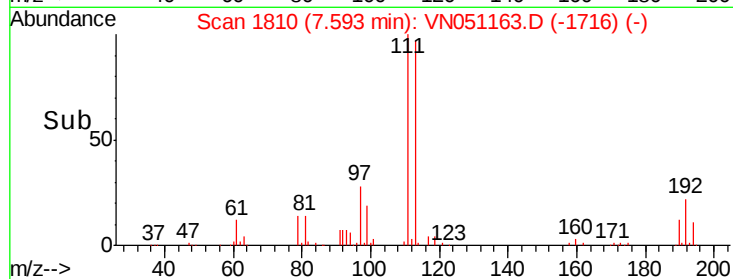
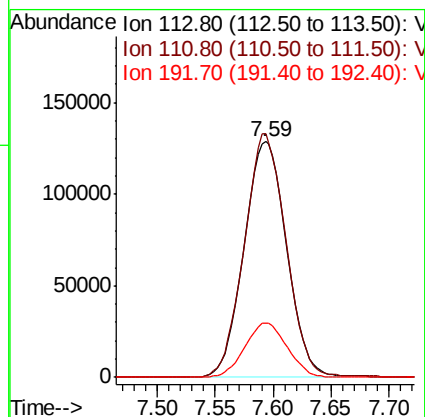
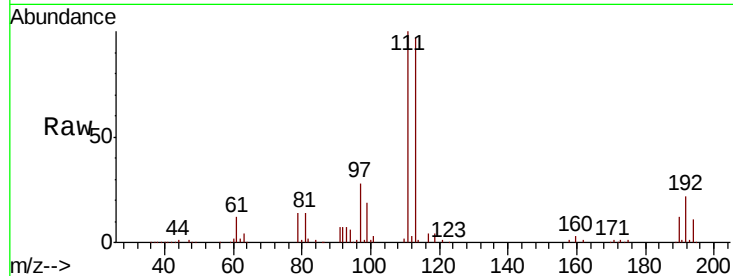




#35
 Dibromofluoromethane
 Concen: 52.33 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

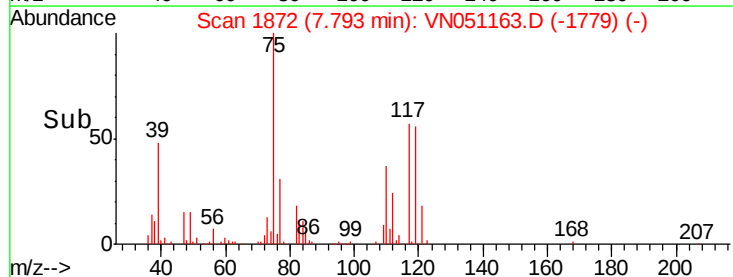
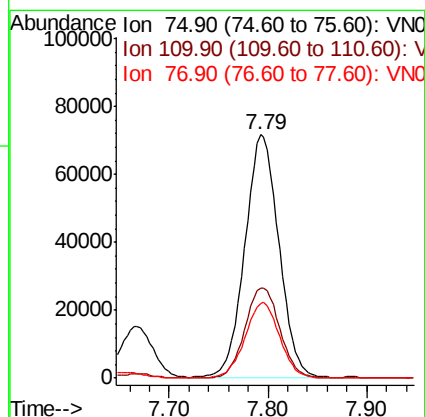
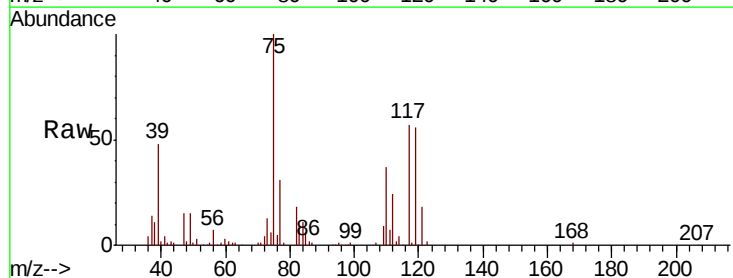
Instrument :
 MSVOA_N
 ClientSampled :
 VN0913WBSD01

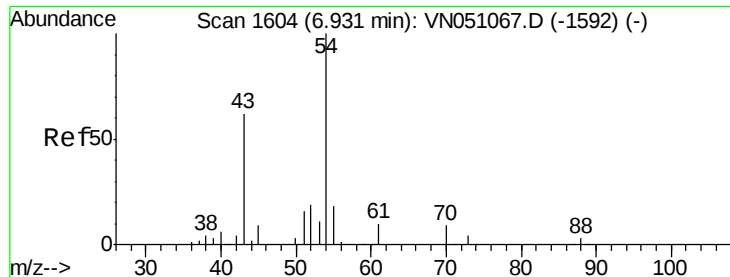
Tot Ion:113 Resp: 329045
 Ion Ratio Lower Upper
 113 100
 111 101.9 83.0 124.6
 192 23.1 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 18.52 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Tgt Ion: 75 Resp: 170116
 Ion Ratio Lower Upper
 75 100
 110 37.9 18.6 55.8
 77 31.7 25.2 37.8

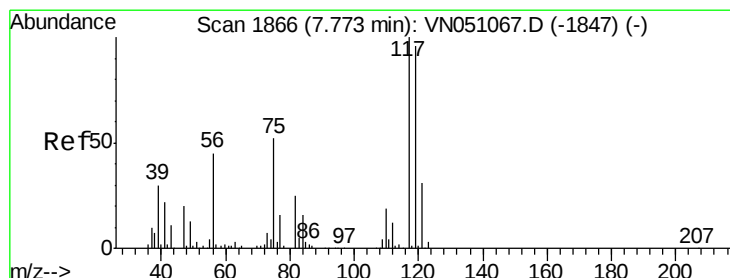
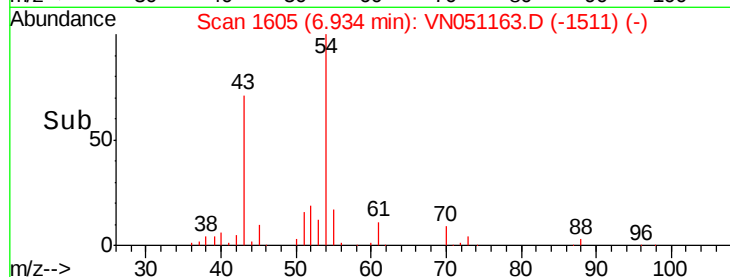
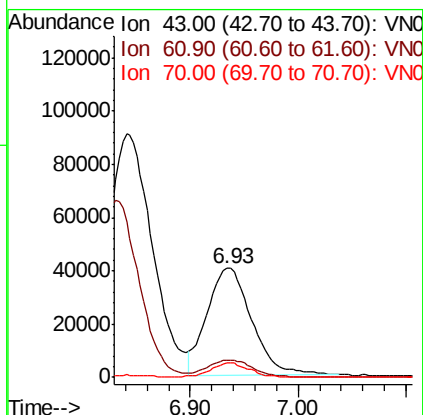
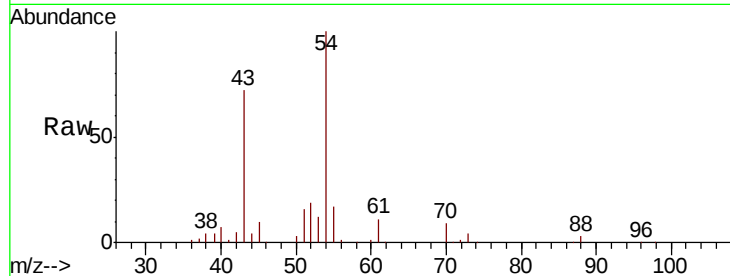




#37
Ethyl Acetate
Concen: 21.93 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

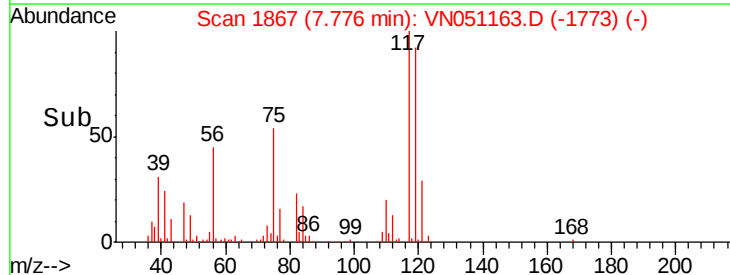
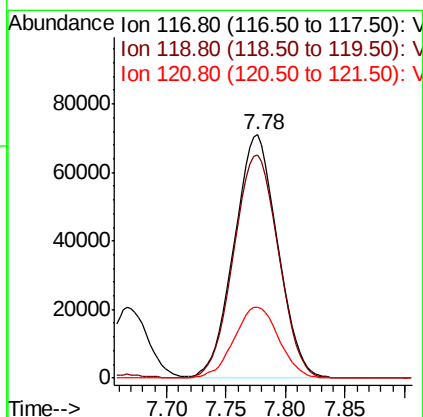
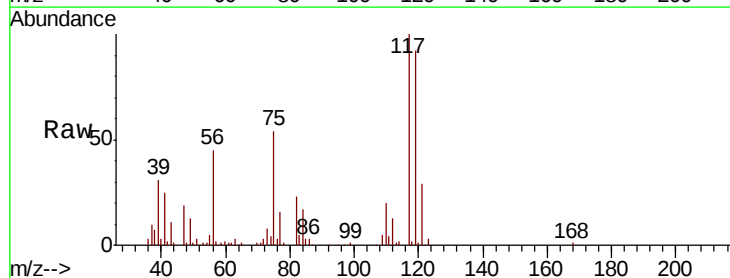
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

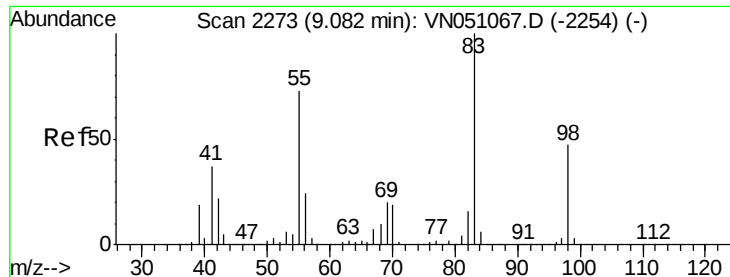
Tot Ion: 43 Resp: 116692
Ion Ratio Lower Upper
43 100
61 16.5 12.4 18.6
70 10.8 9.3 13.9



#38
Carbon Tetrachloride
Concen: 19.92 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Tgt Ion: 117 Resp: 180156
Ion Ratio Lower Upper
117 100
119 91.9 76.8 115.2
121 29.2 24.6 36.8

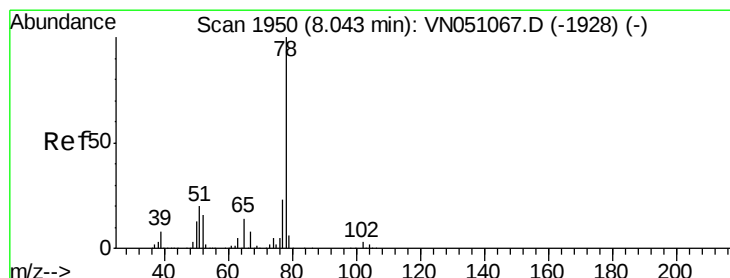
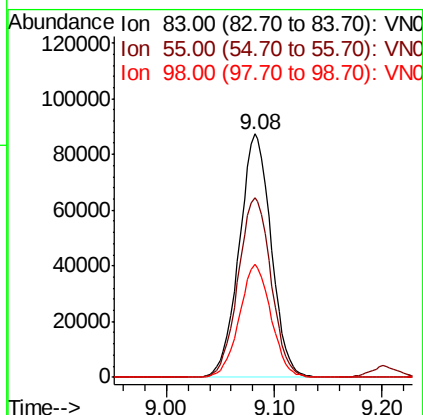
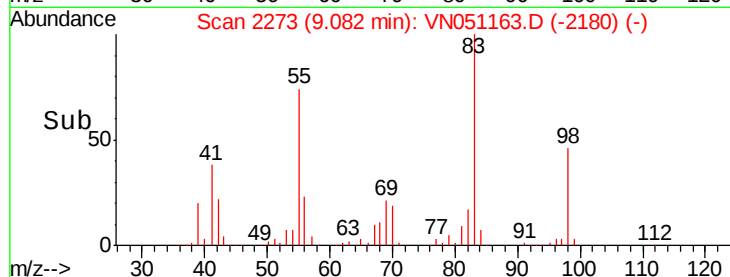
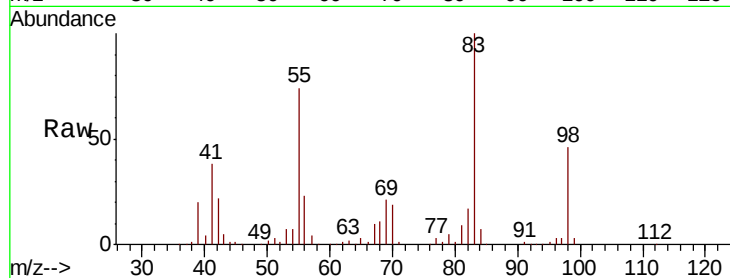




#39
Methvlcvclohexane
Concen: 17.75 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

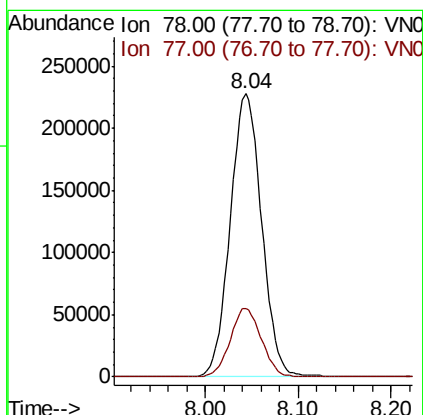
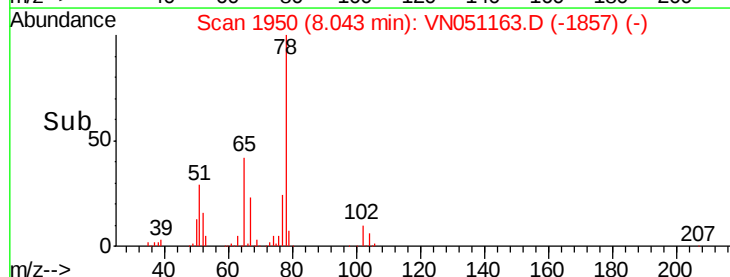
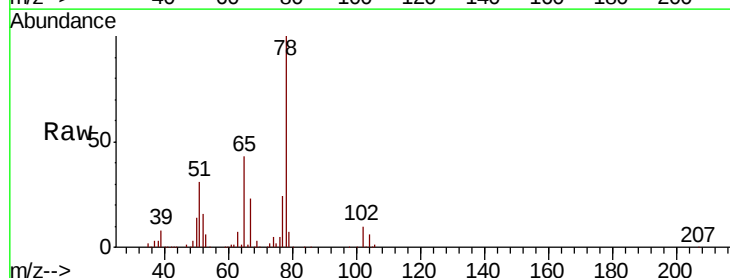
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

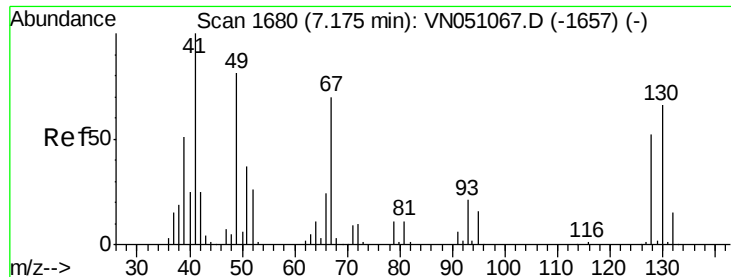
Tot Ion: 83 Resp: 179954
Ion Ratio Lower Upper
83 100
55 73.8 58.4 87.6
98 46.3 37.3 55.9



#40
Benzene
Concen: 19.35 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Tgt Ion: 78 Resp: 535781
Ion Ratio Lower Upper
78 100
77 24.3 18.6 27.8

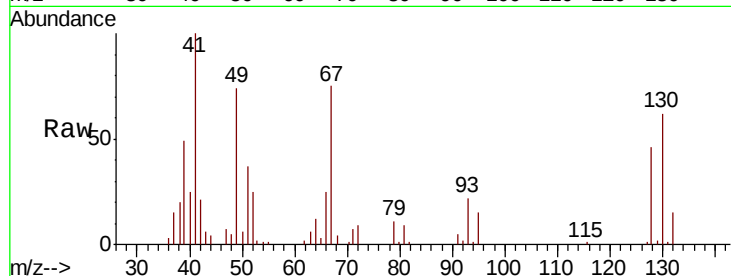




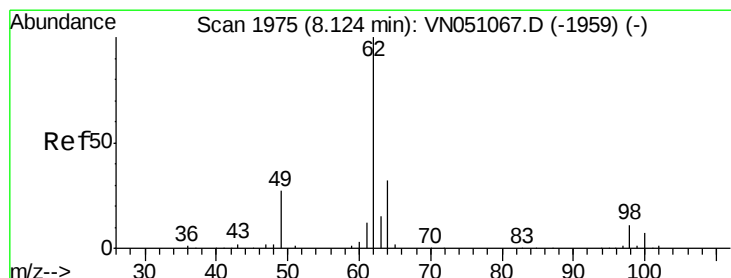
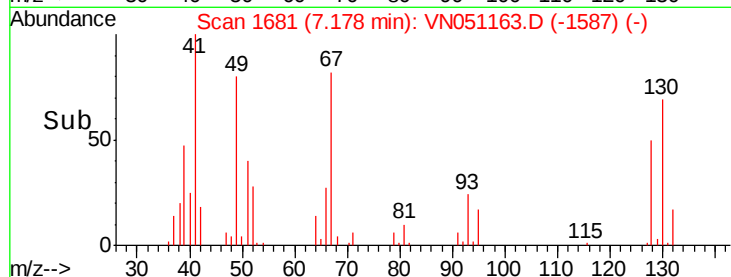
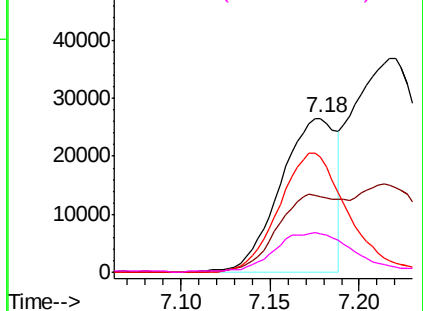
#41
Methacrylonitrile
Concen: 21.13 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tot Ion: 41 Resp: 58011
Ion Ratio Lower Upper
41 100
39 60.7 51.3 76.9
67 94.9 78.5 117.7
52 34.8 29.0 43.6

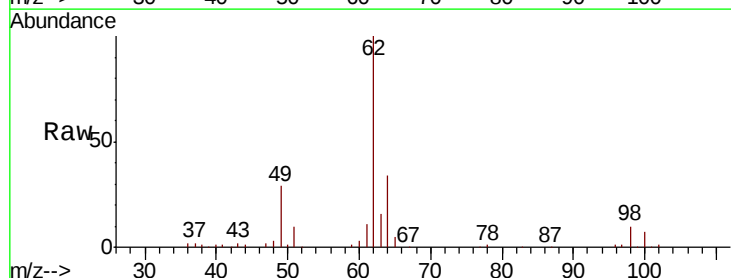


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

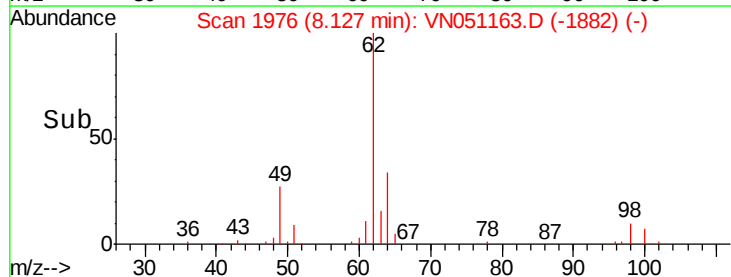
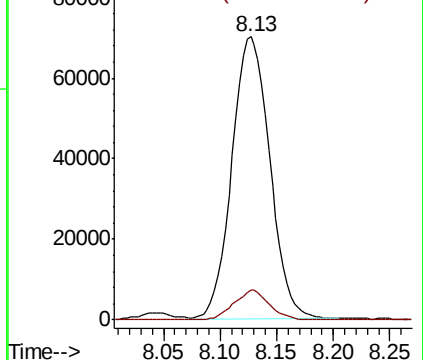


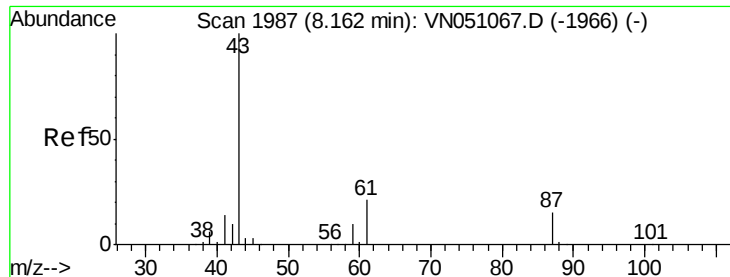
#42
1,2-Dichloroethane
Concen: 20.30 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Tgt Ion: 62 Resp: 163837
Ion Ratio Lower Upper
62 100
98 9.9 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: 22.55 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

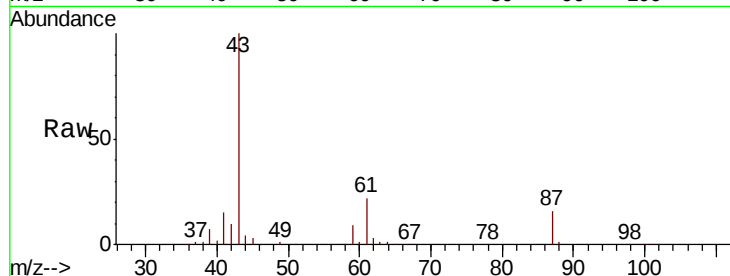
Tot Ion: 43 Resp: 211760

Ion Ratio Lower Upper

43 100

61 29.0 25.0 37.6

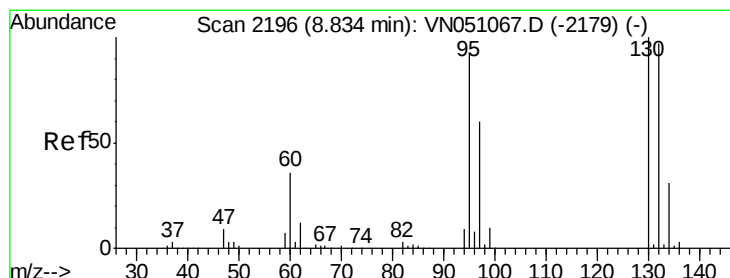
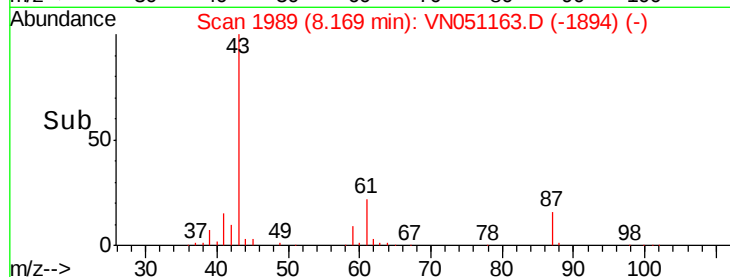
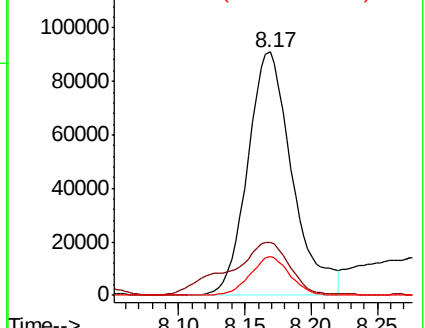
87 14.2 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VN051163.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN051163.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN051163.D (-1966) (-)



#44

Trichloroethene

Concen: 18.88 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051163.D

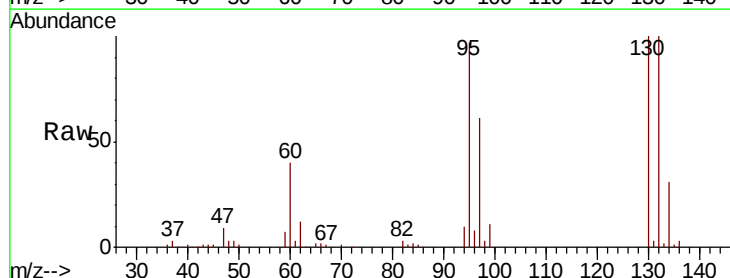
Acq: 13 Sep 2018 11:28

Tgt Ion:130 Resp: 142954

Ion Ratio Lower Upper

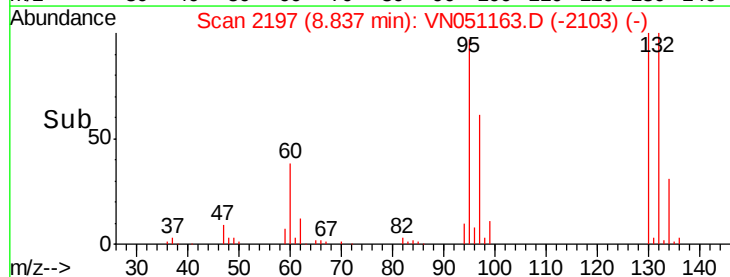
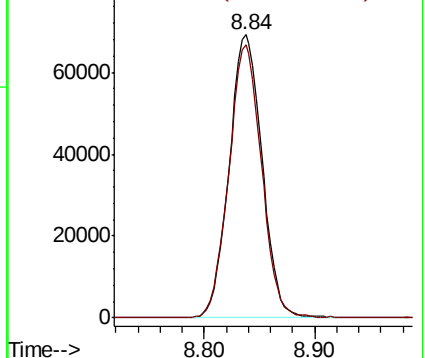
130 100

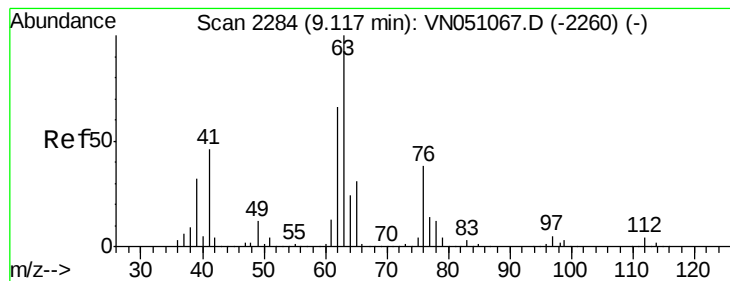
95 96.6 0.0 186.2



Abundance Ion 129.80 (129.50 to 130.50): VN051163.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN051163.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 19.70 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

ClientSampleId :

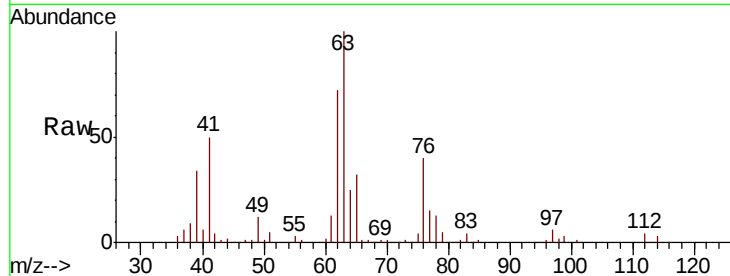
VN0913WBSD01

Tot Ion: 63 Resp: 140958

Ion Ratio Lower Upper

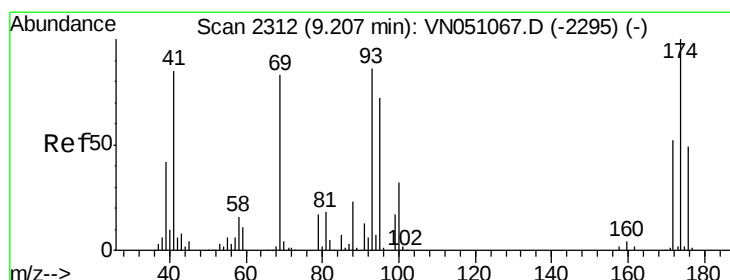
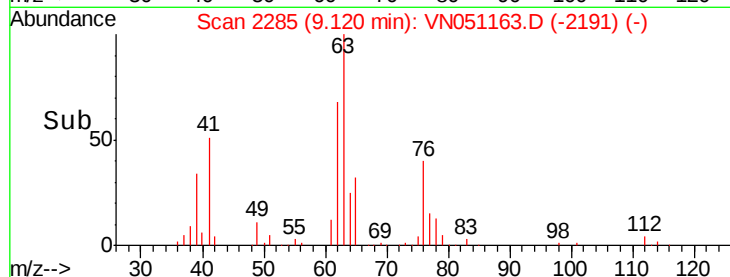
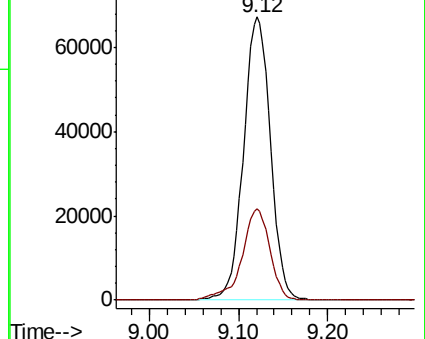
63 100

65 32.2 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.96 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

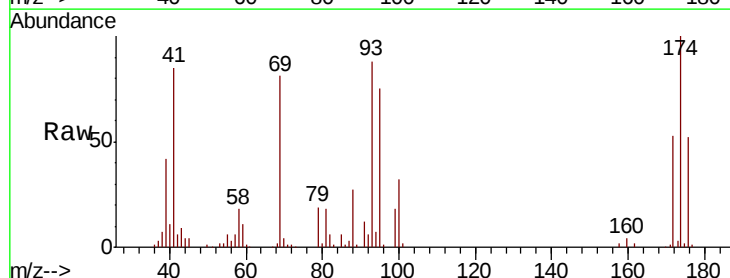
Tgt Ion: 93 Resp: 87136

Ion Ratio Lower Upper

93 100

95 85.5 66.8 100.2

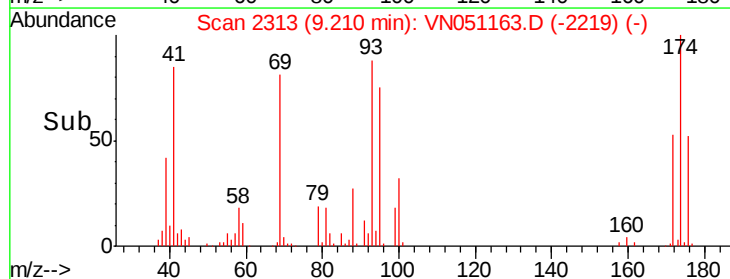
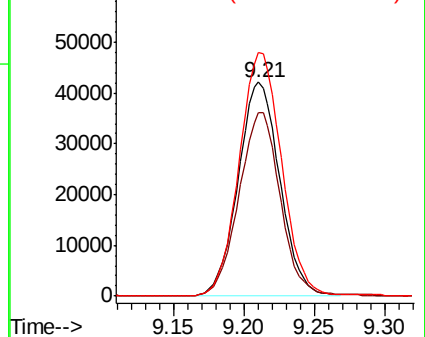
174 116.2 93.3 139.9



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.19 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

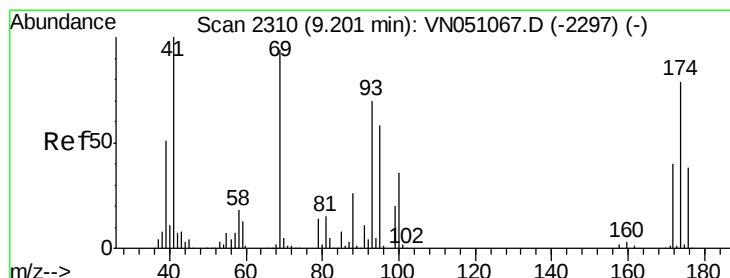
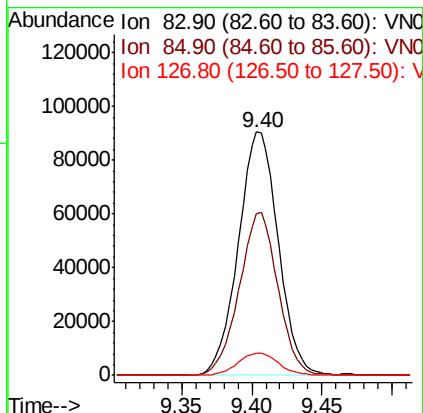
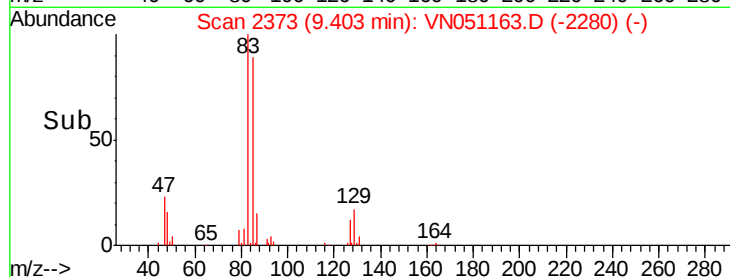
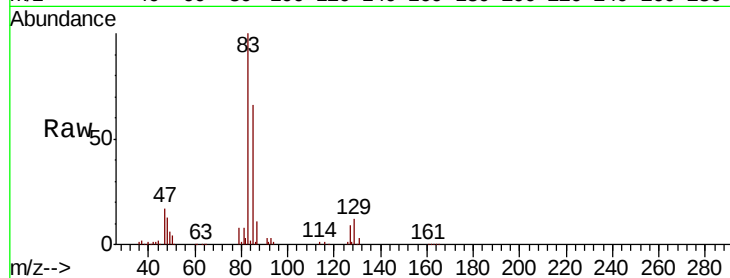
Tot Ion: 83 Resp: 179160

Ion Ratio Lower Upper

83 100

85 66.4 52.3 78.5

127 9.2 7.5 11.3



#48

Methyl methacrylate

Concen: 21.30 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

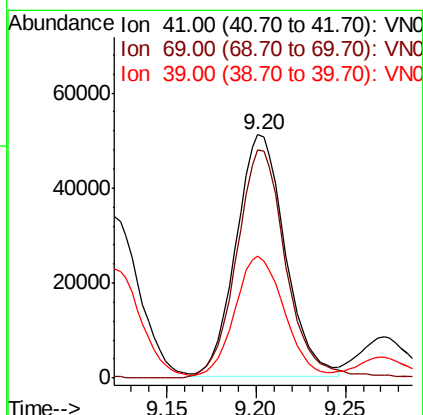
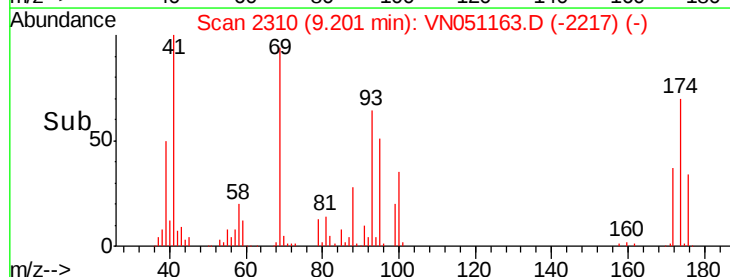
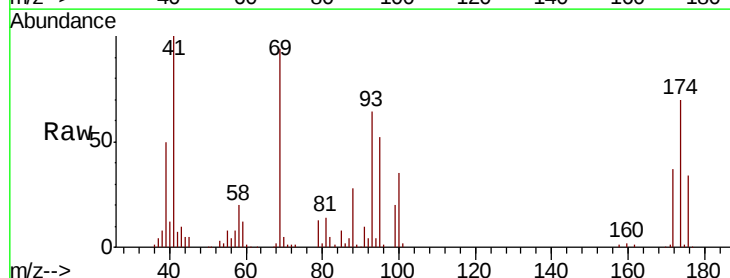
Tgt Ion: 41 Resp: 97454

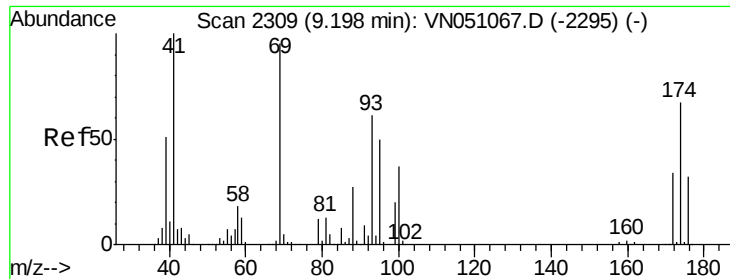
Ion Ratio Lower Upper

41 100

69 95.6 77.7 116.5

39 50.9 41.6 62.4





#49

1,4-Dioxane

Concen: 438.56 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.01 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

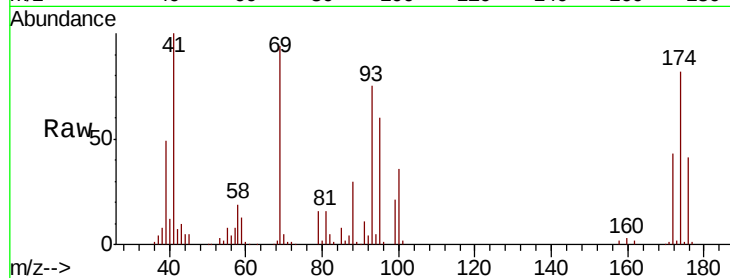
Tot Ion: 88 Resp: 31466

Ion Ratio Lower Upper

88 100

43 29.3 23.7 35.5

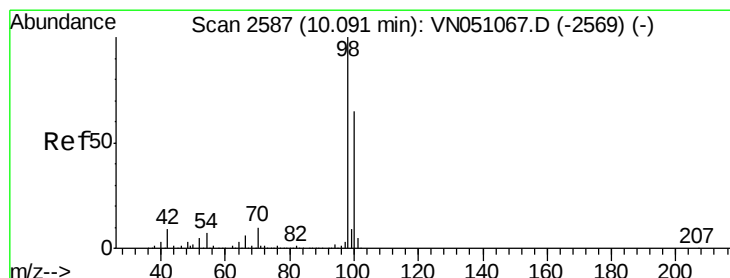
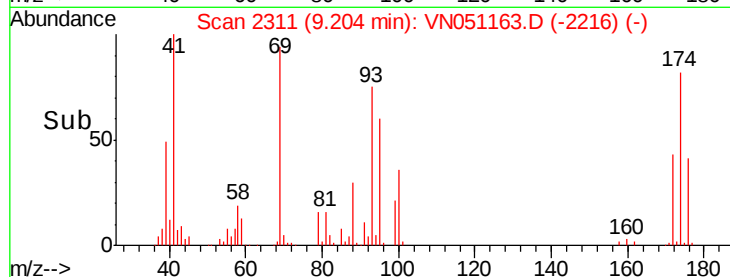
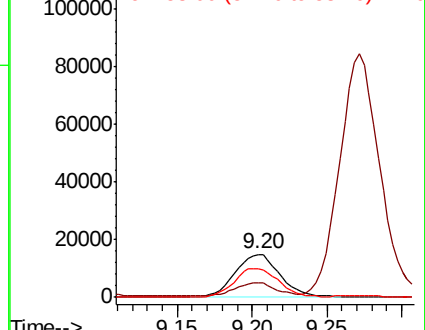
58 67.3 54.6 82.0



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: 50.66 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051163.D

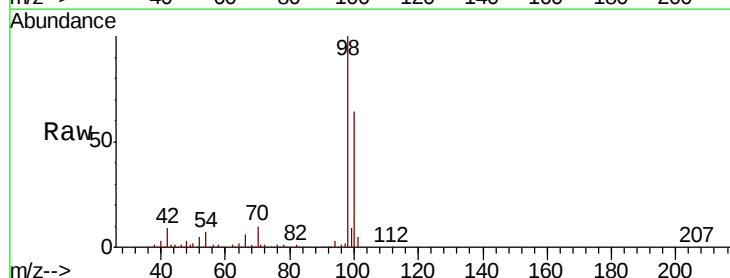
Acq: 13 Sep 2018 11:28

Tgt Ion: 98 Resp: 1208741

Ion Ratio Lower Upper

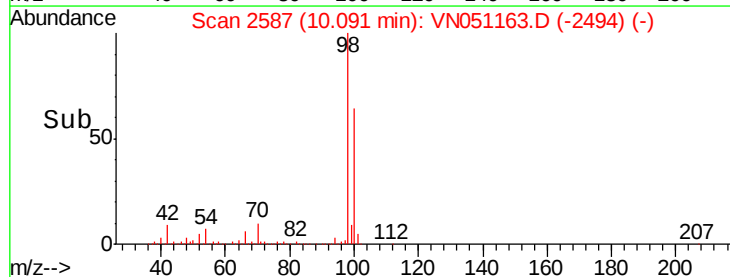
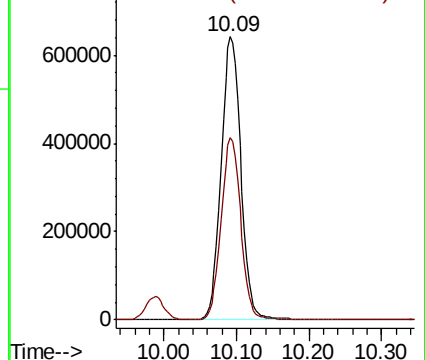
98 100

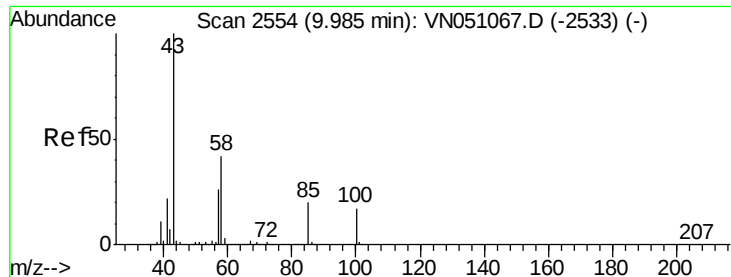
100 64.2 52.0 78.0



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: 113.90 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

ClientSampleId :

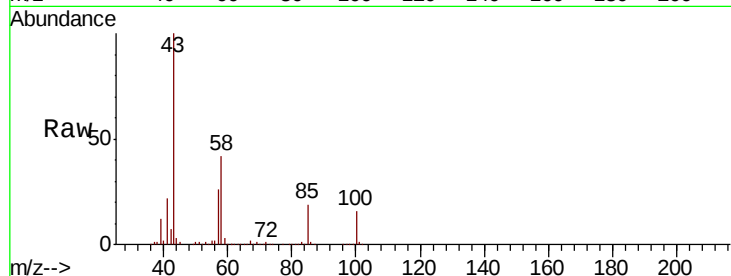
VN0913WBSD01

Tot Ion: 43 Resp: 591357

Ion Ratio Lower Upper

43 100

58 41.1 33.5 50.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

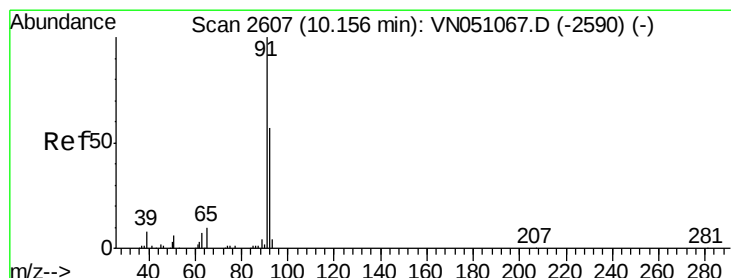
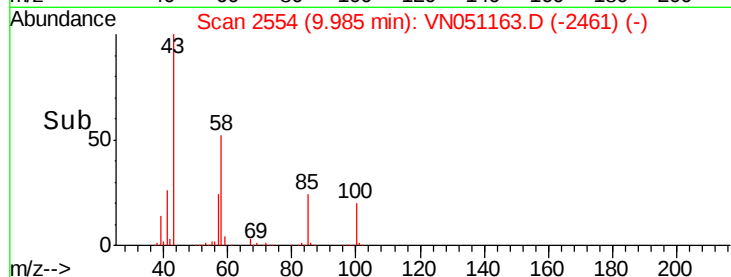
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.97 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051163.D

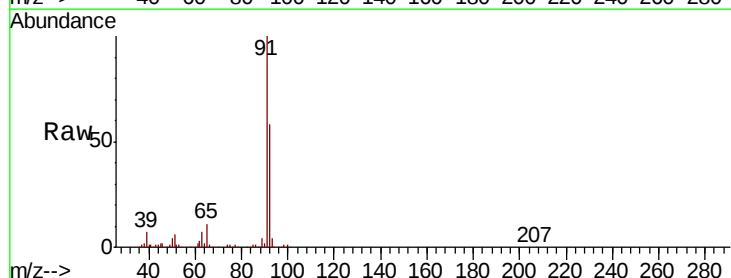
Acq: 13 Sep 2018 11:28

Tgt Ion: 92 Resp: 337085

Ion Ratio Lower Upper

92 100

91 172.4 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

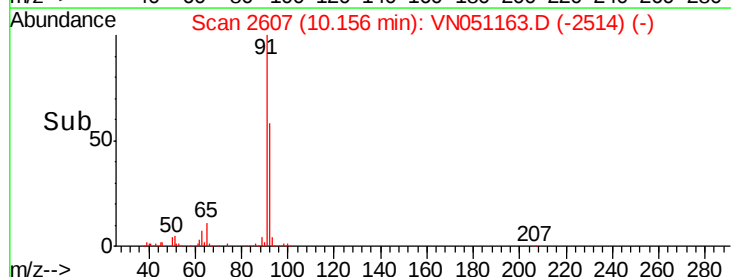
300000

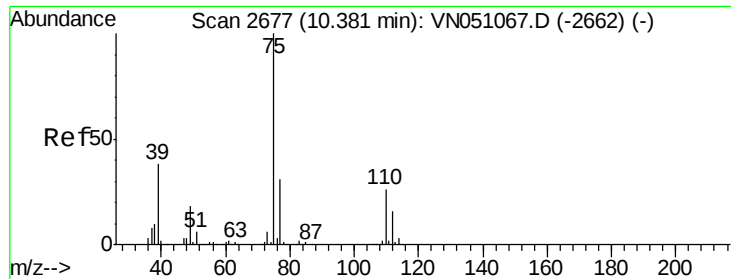
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.83 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

ClientSampleId :

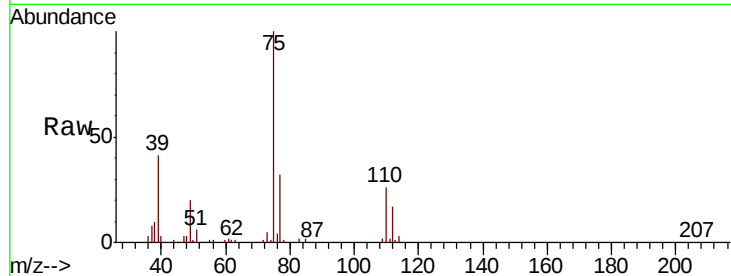
VN0913WBSD01

Tot Ion: 75 Resp: 176136

Ion Ratio Lower Upper

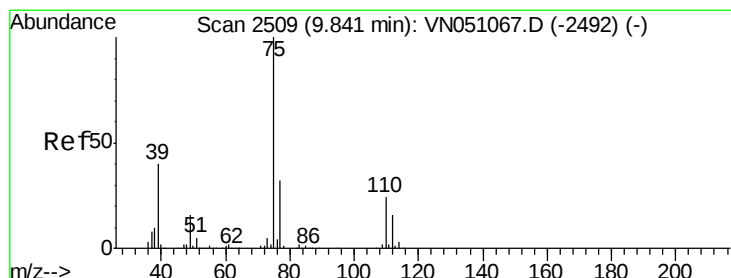
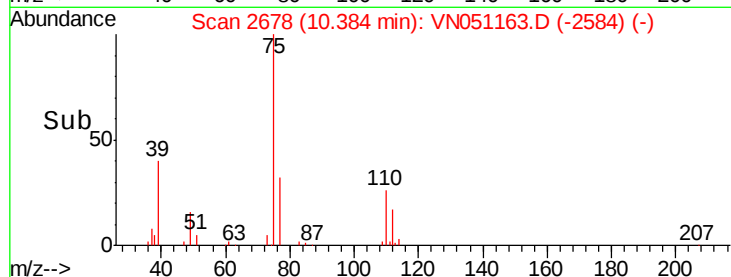
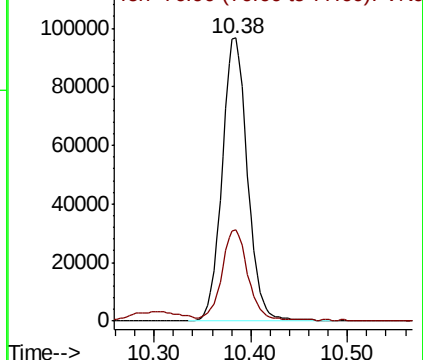
75 100

77 31.7 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.62 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

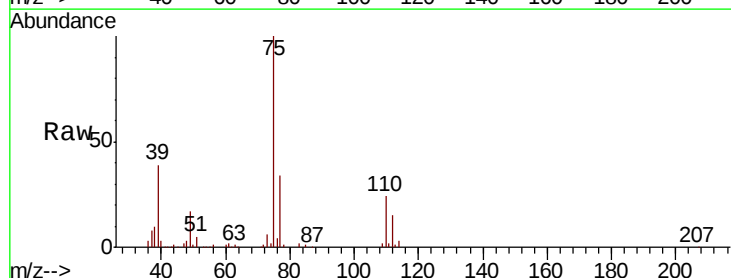
Tgt Ion: 75 Resp: 204294

Ion Ratio Lower Upper

75 100

77 33.9 25.7 38.5

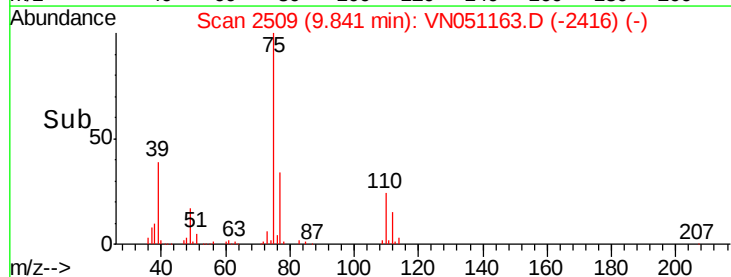
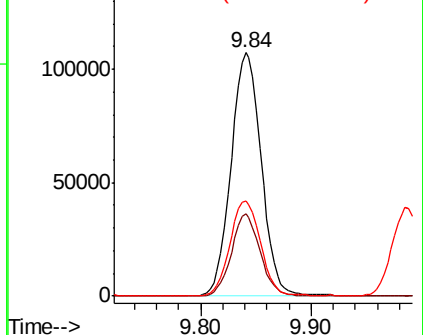
39 39.2 31.9 47.9

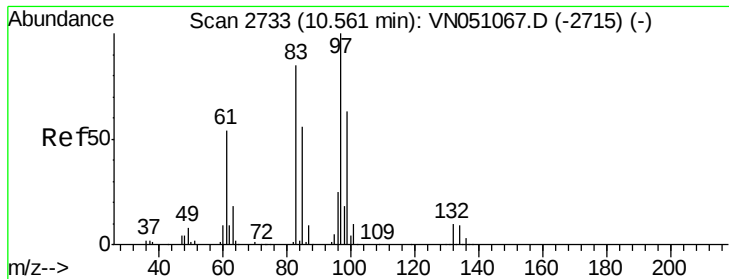


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

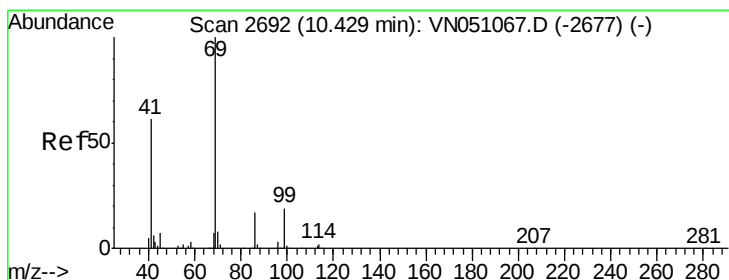
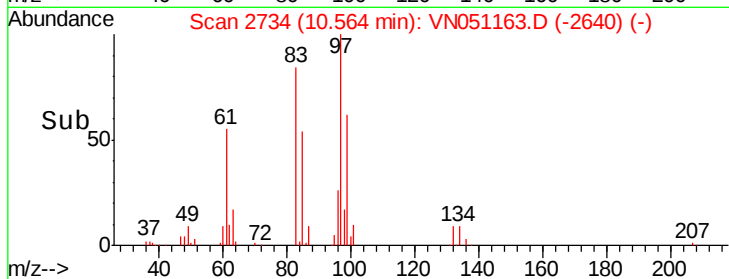
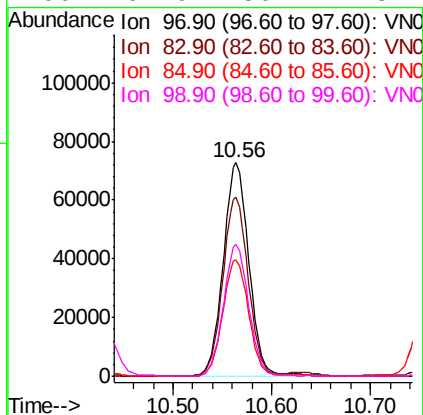
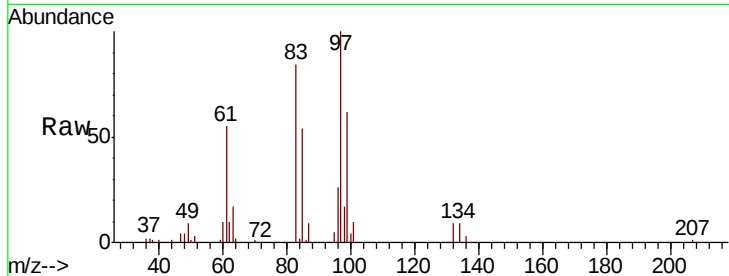




#55
 1,1,2-Trichloroethane
 Concen: 21.66 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

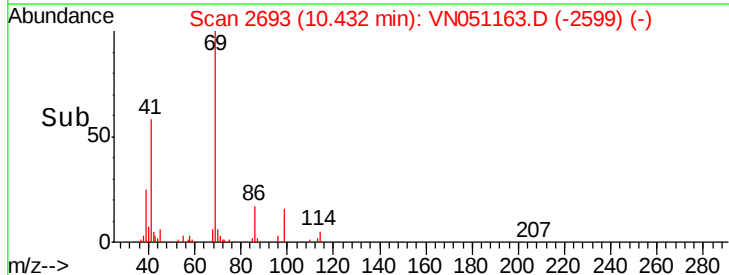
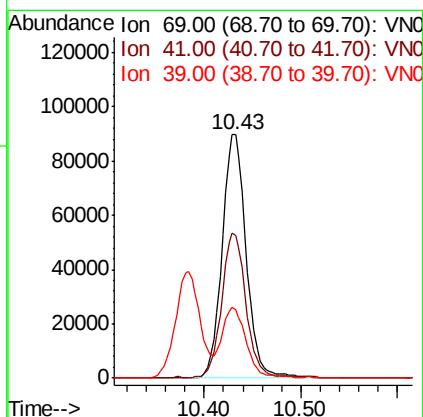
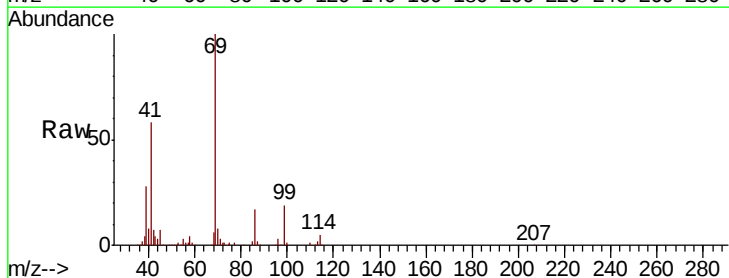
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

Tot Ion: 97 Resp: 132838
 Ion Ratio Lower Upper
 97 100
 83 83.8 68.2 102.2
 85 54.3 44.8 67.2
 99 61.9 50.2 75.4



#56
 Ethyl methacrylate
 Concen: 20.36 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Tgt Ion: 69 Resp: 154917
 Ion Ratio Lower Upper
 69 100
 41 59.0 47.8 71.8
 39 28.7 23.0 34.4





#57

1,3-Dichloropropane

Concen: 20.44 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

ClientSampled :

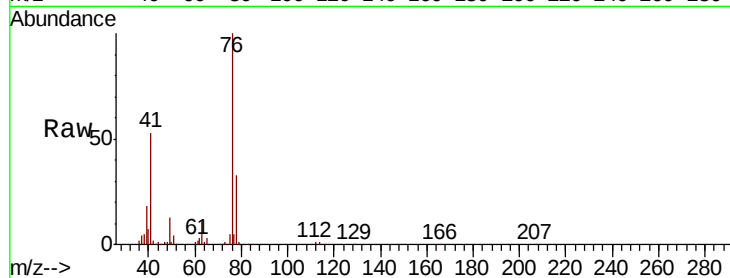
VN0913WBSD01

Tot Ion: 76 Resp: 207834

Ion Ratio Lower Upper

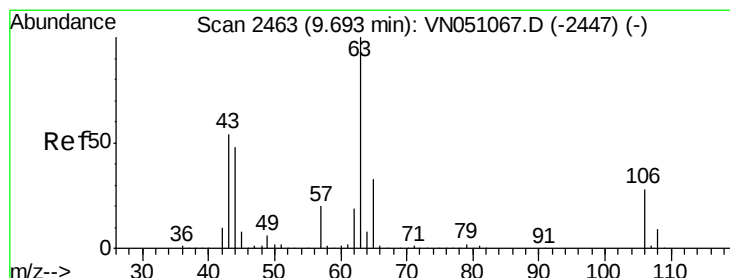
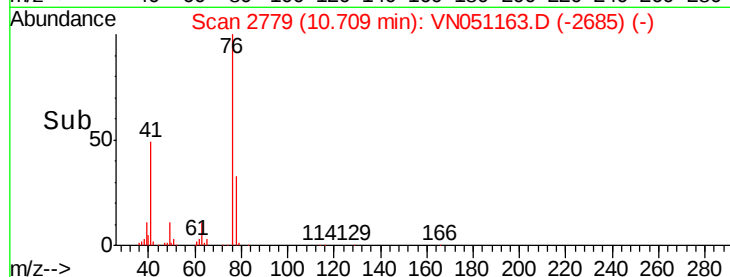
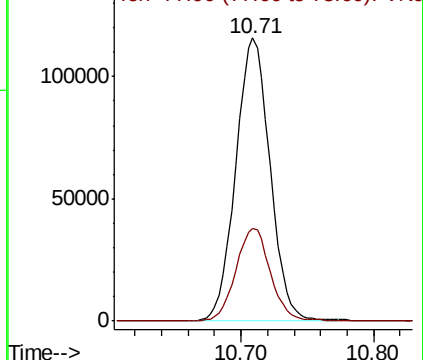
76 100

78 32.9 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 97.20 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051163.D

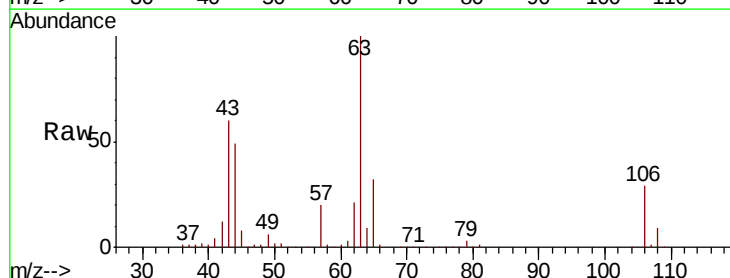
Acq: 13 Sep 2018 11:28

Tgt Ion: 63 Resp: 301987

Ion Ratio Lower Upper

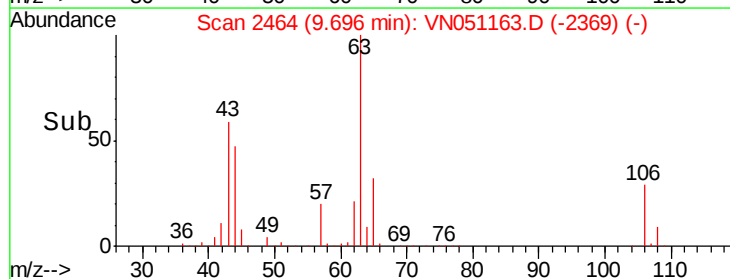
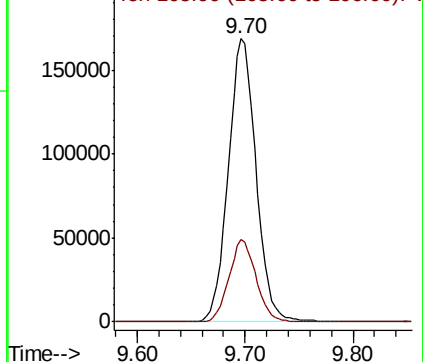
63 100

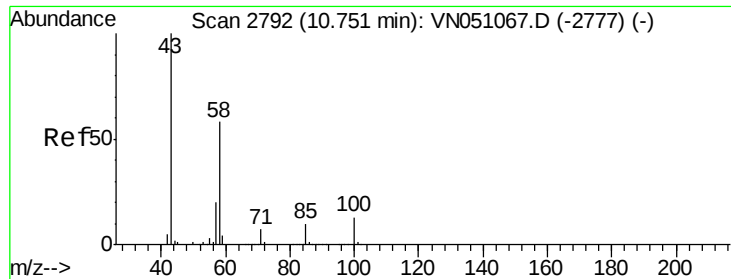
106 28.4 22.5 33.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

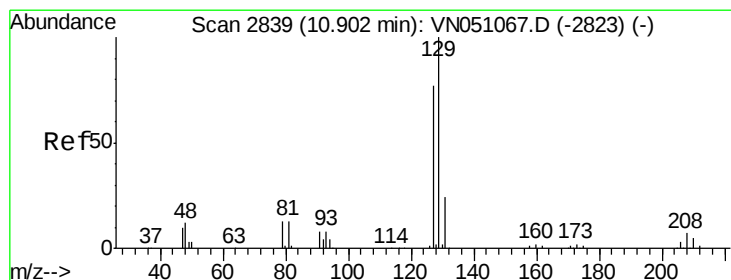
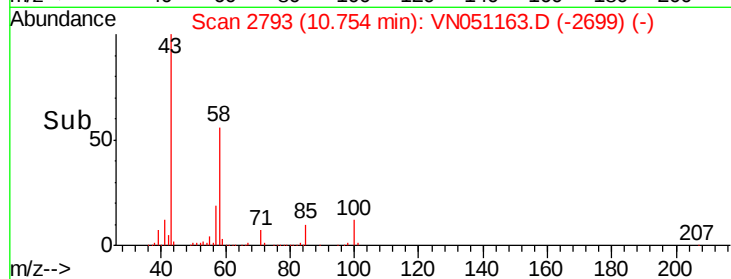
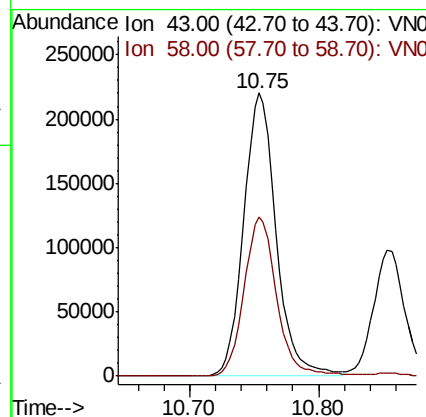
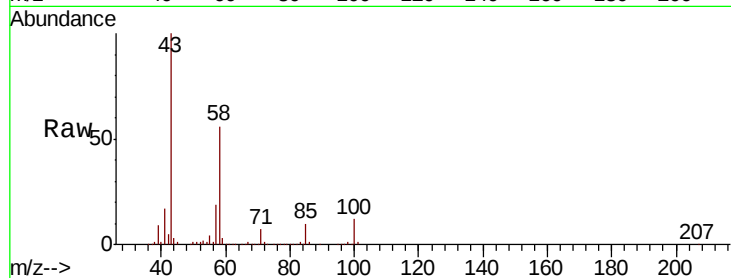




#59
2-Hexanone
Concen: 109.31 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

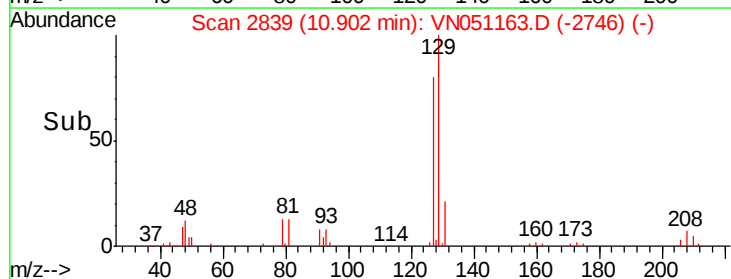
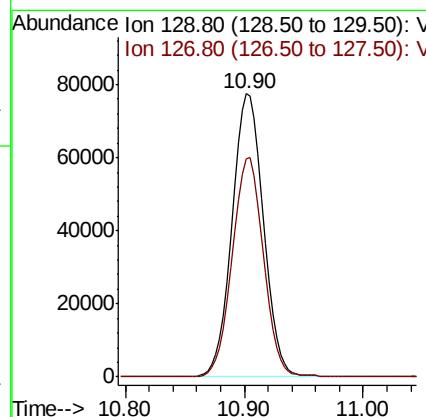
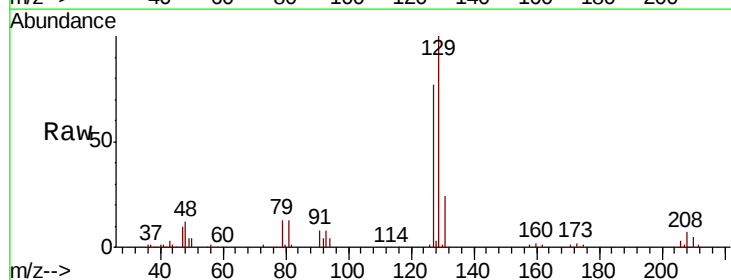
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

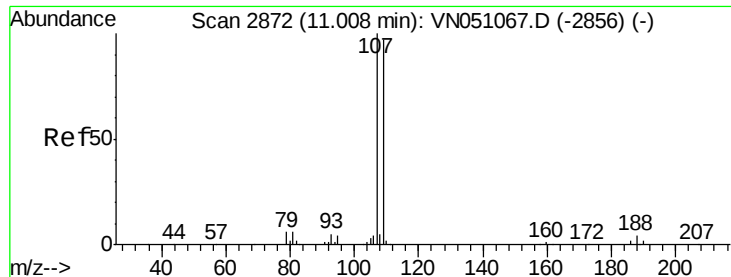
Tot Ion: 43 Resp: 384901
Ion Ratio Lower Upper
43 100
58 56.6 29.3 88.0



#60
Dibromochloromethane
Concen: 20.48 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Tgt Ion: 129 Resp: 141578
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.34 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

ClientSampleId :

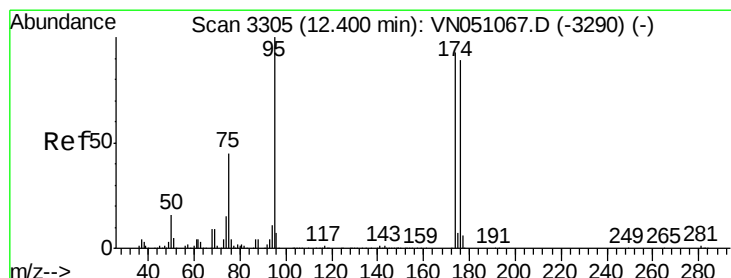
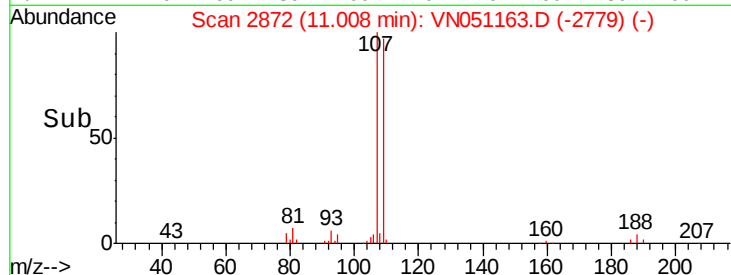
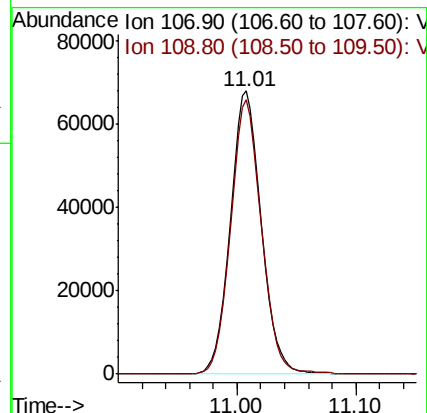
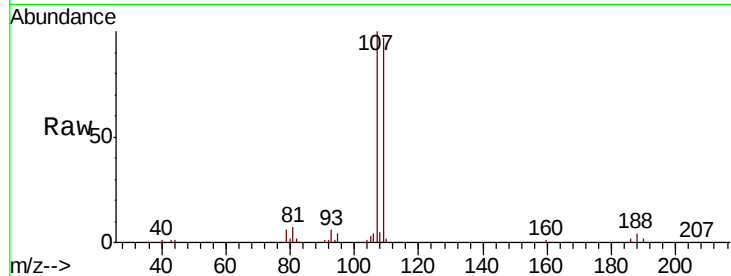
VN0913WBSD01

Tot Ion:107 Resp: 121934

Ion Ratio Lower Upper

107 100

109 96.5 76.0 114.0



#62

4-Bromofluorobenzene

Concen: 48.58 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

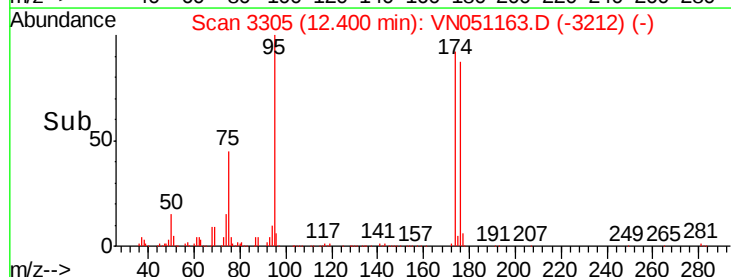
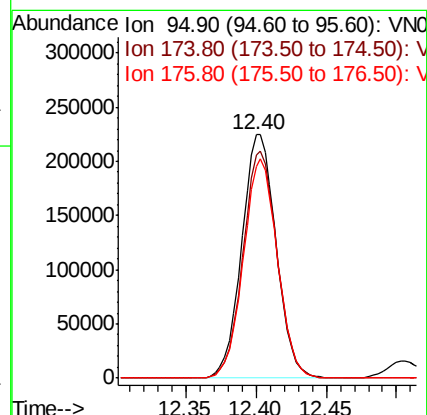
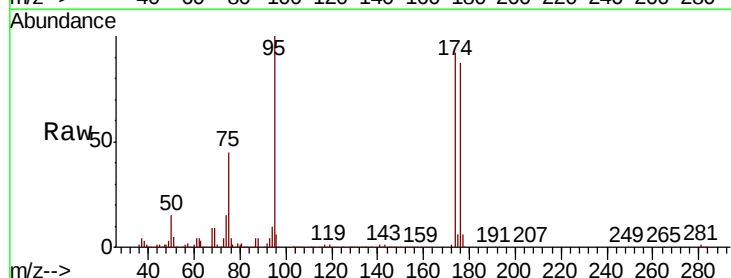
Tgt Ion: 95 Resp: 383470

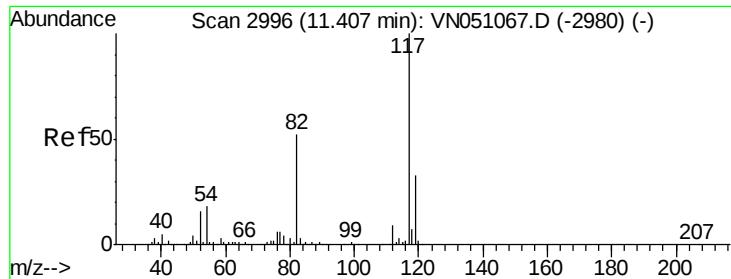
Ion Ratio Lower Upper

95 100

174 92.3 0.0 184.8

176 89.1 0.0 178.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

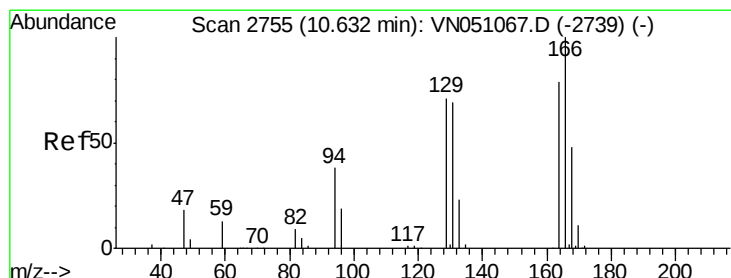
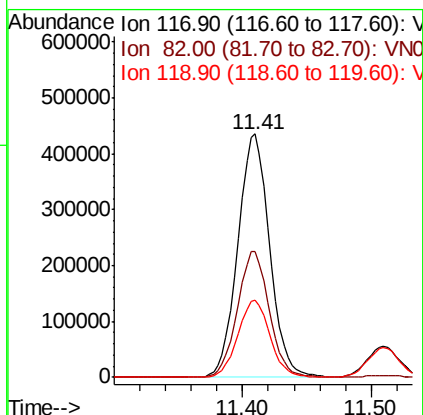
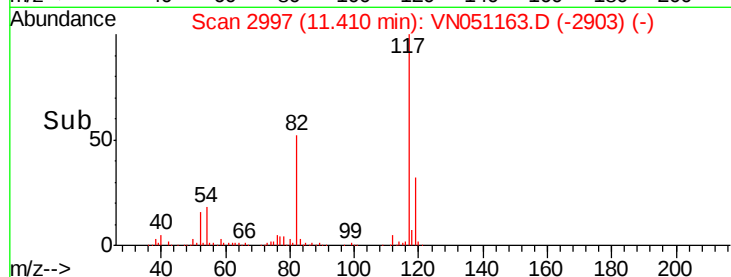
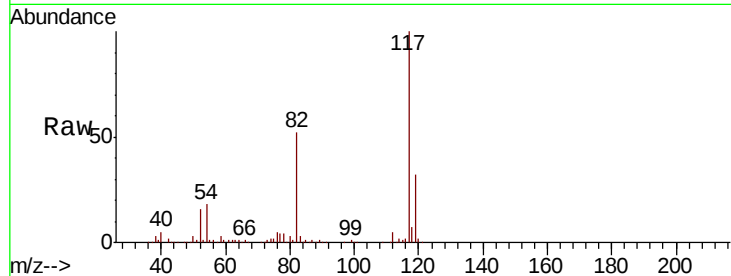
Tot Ion:117 Resp: 746186

Ion Ratio Lower Upper

117 100

82 51.7 41.8 62.6

119 31.6 26.2 39.2



#64

Tetrachloroethene

Concen: 18.99 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Tgt Ion:164 Resp: 129323

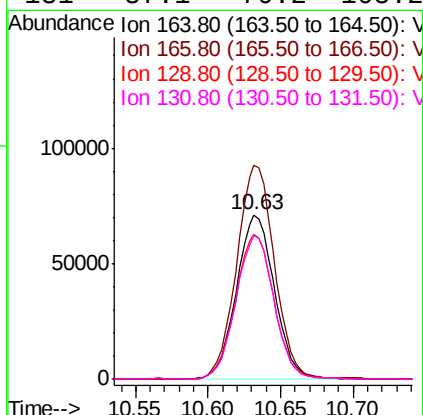
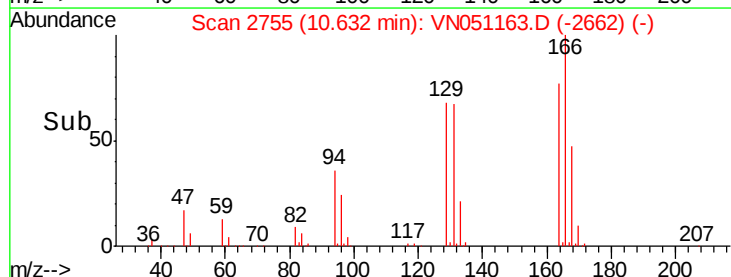
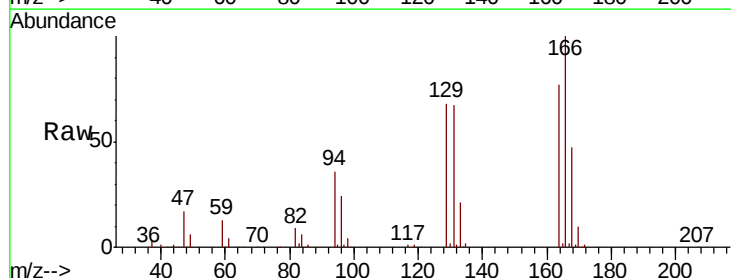
Ion Ratio Lower Upper

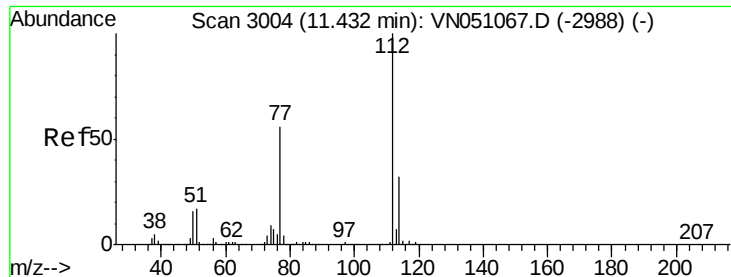
164 100

166 130.0 101.3 151.9

129 87.9 72.2 108.2

131 87.1 70.2 105.2

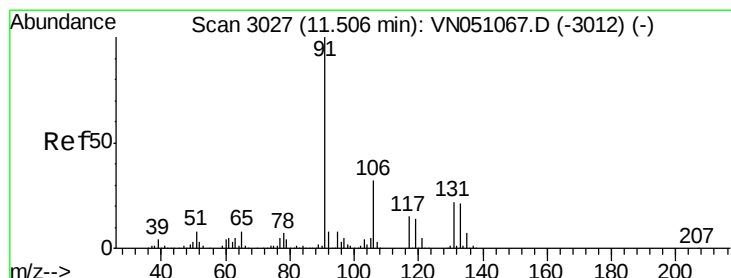
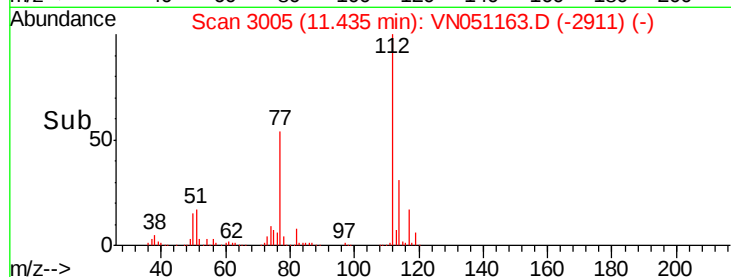
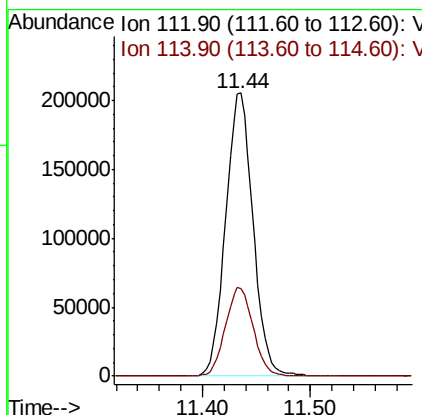
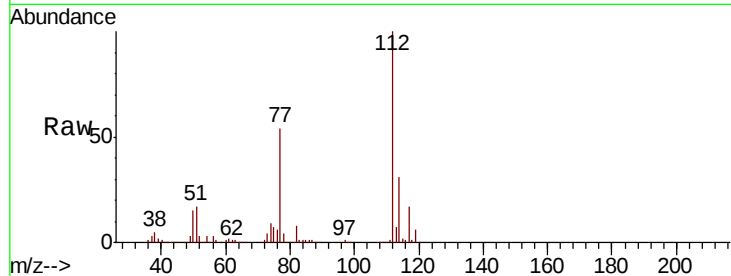




#65
Chlorobenzene
Concen: 19.32 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

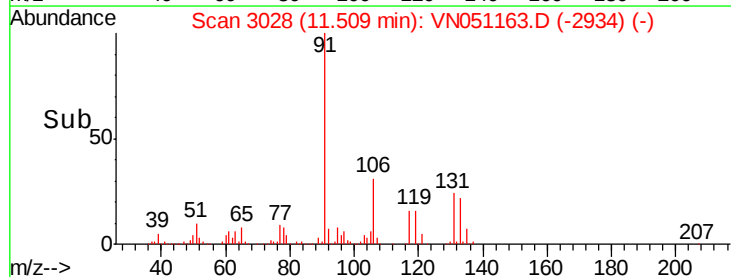
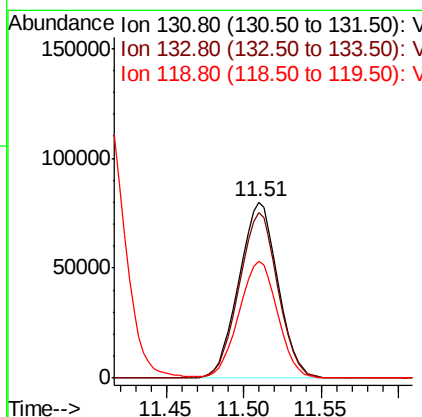
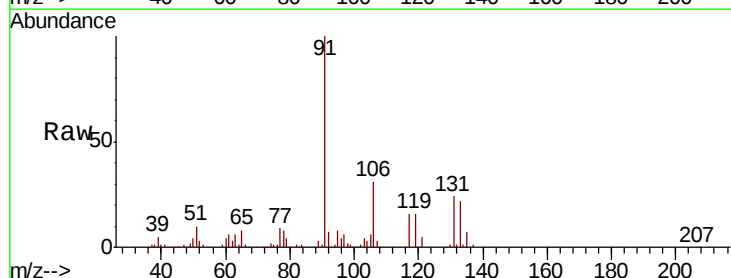
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

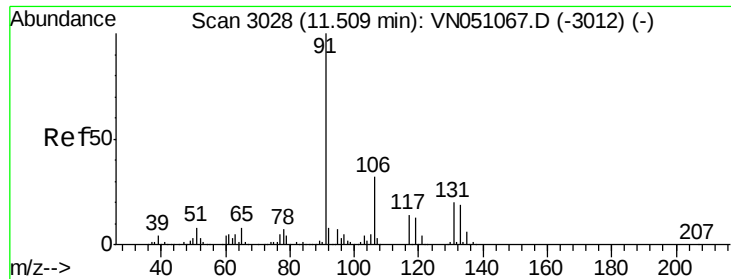
Tot Ion:112 Resp: 363466
Ion Ratio Lower Upper
112 100
114 31.0 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.65 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Tgt Ion:131 Resp: 139813
Ion Ratio Lower Upper
131 100
133 93.9 47.5 142.6
119 66.0 33.2 99.6

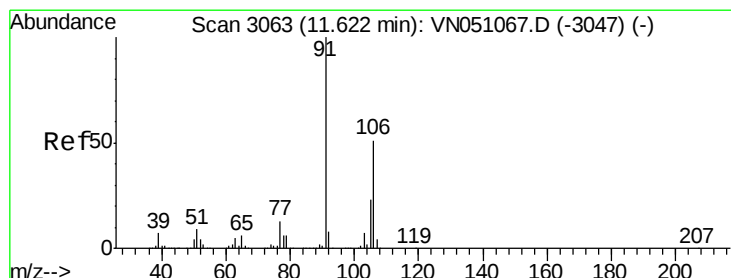
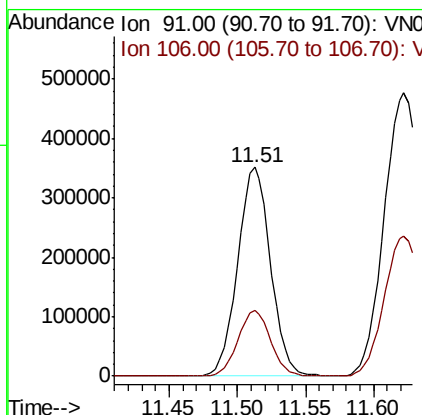
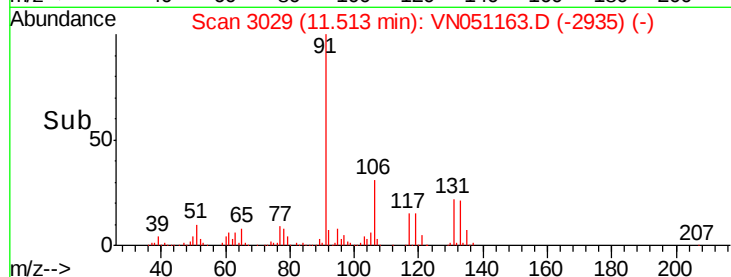
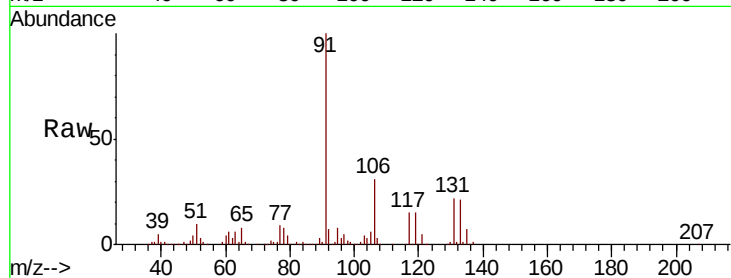




#67
Ethyl Benzene
Concen: 19.28 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

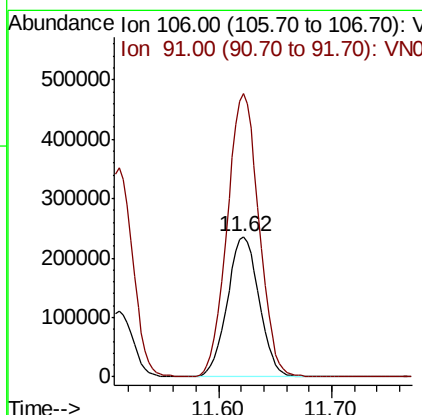
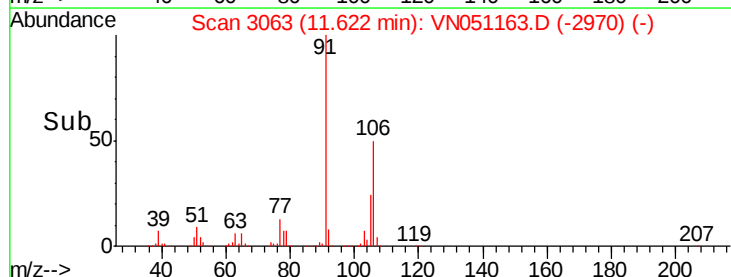
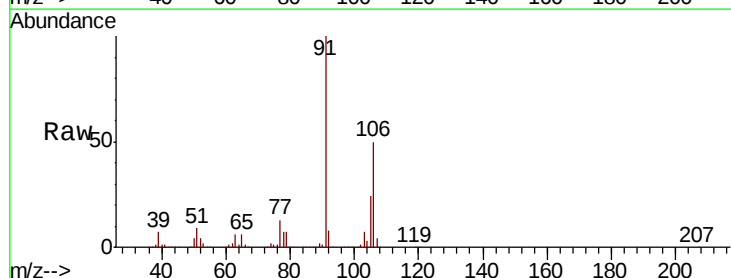
Instrument :
MSVOA_N
ClientSampled :
VN0913WBSD01

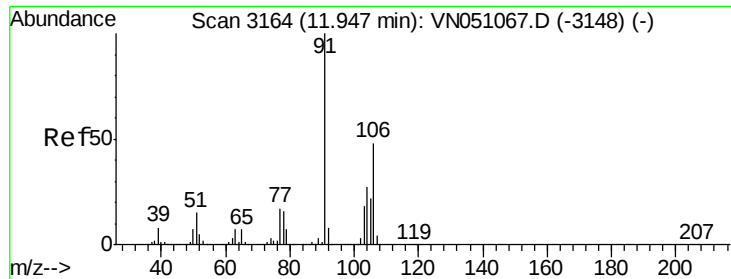
Tot Ion: 91 Resp: 587399
Ion Ratio Lower Upper
91 100
106 31.4 25.4 38.2



#68
m/p-Xylenes
Concen: 39.43 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Tgt Ion: 106 Resp: 461431
Ion Ratio Lower Upper
106 100
91 201.3 159.8 239.6

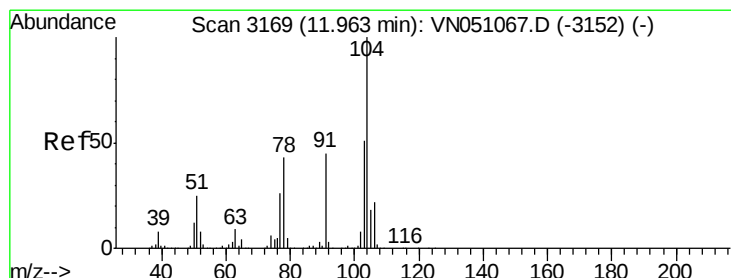
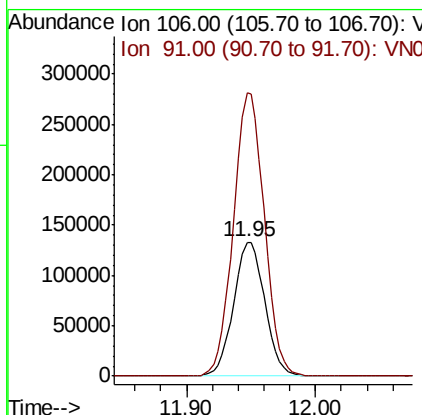
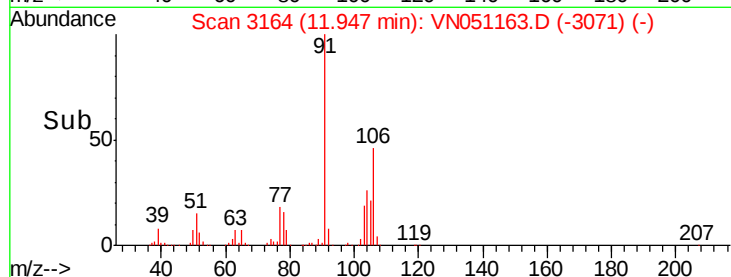
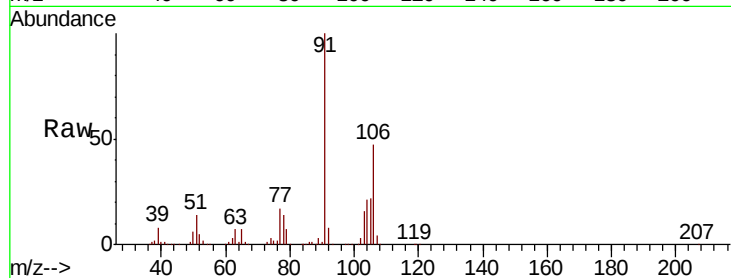




#69
o-Xylene
Concen: 19.70 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

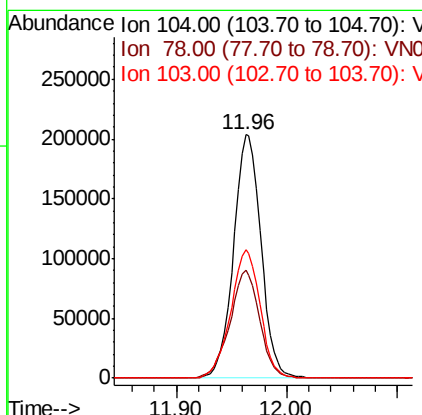
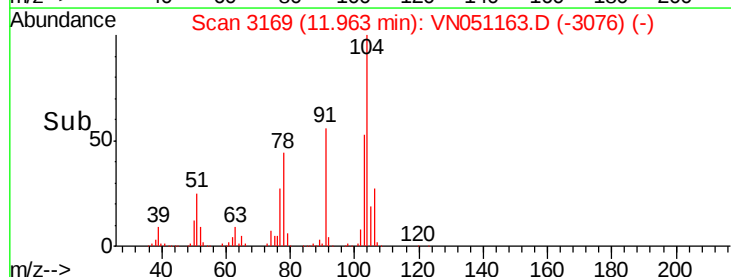
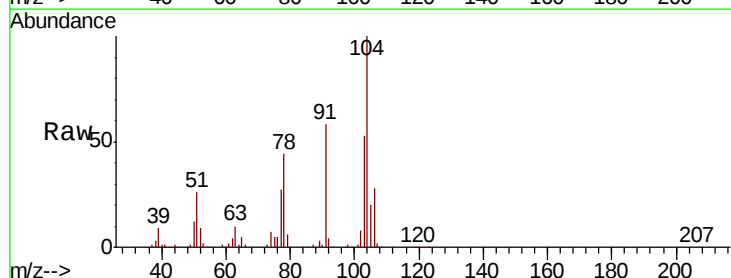
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

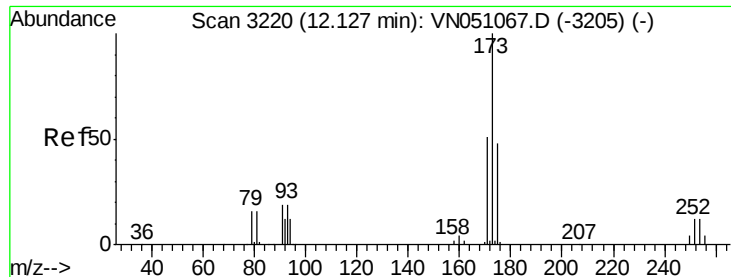
Tot Ion:106 Resp: 223235
Ion Ratio Lower Upper
106 100
91 210.1 105.1 315.1



#70
Styrene
Concen: 19.98 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Tgt Ion:104 Resp: 351322
Ion Ratio Lower Upper
104 100
78 48.2 37.7 56.5
103 56.5 44.6 67.0





#71

Bromoform

Concen: 21.01 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

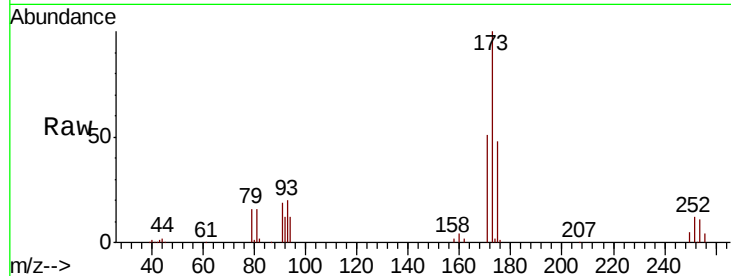
Tot Ion:173 Resp: 100155

Ion Ratio Lower Upper

173 100

175 48.6 24.3 72.9

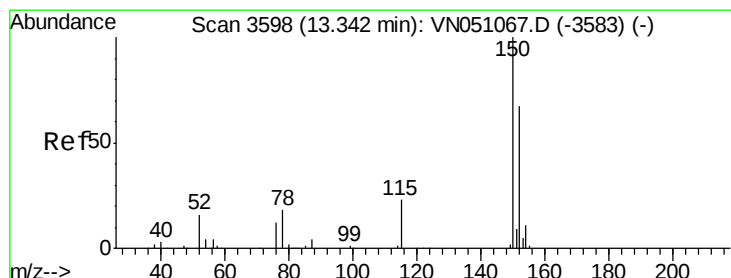
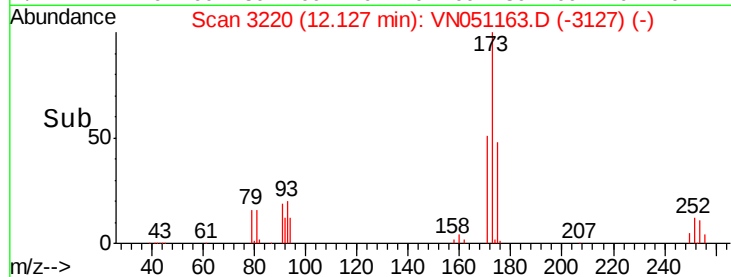
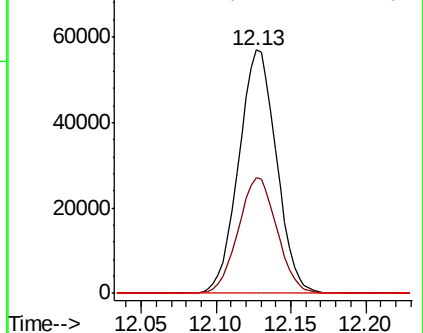
254 0.0 0.0 0.0



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: VN051163.D

Acq: 13 Sep 2018 11:28

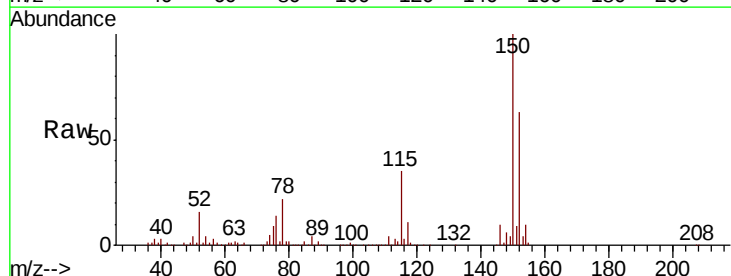
Tgt Ion:152 Resp: 349507

Ion Ratio Lower Upper

152 100

115 55.5 28.2 84.7

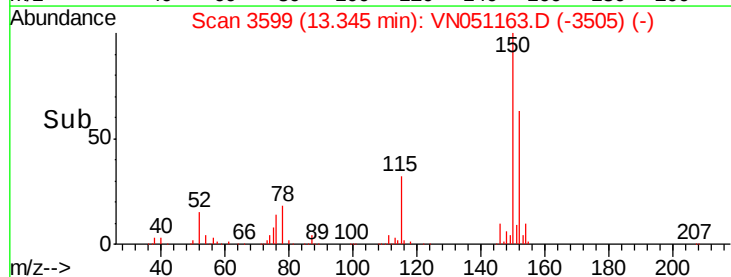
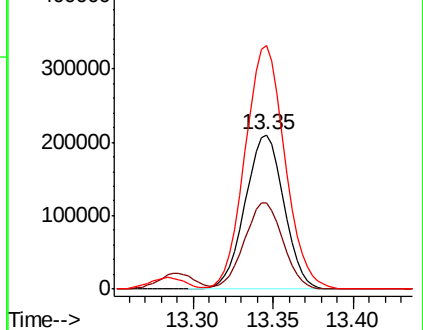
150 162.5 0.0 349.0

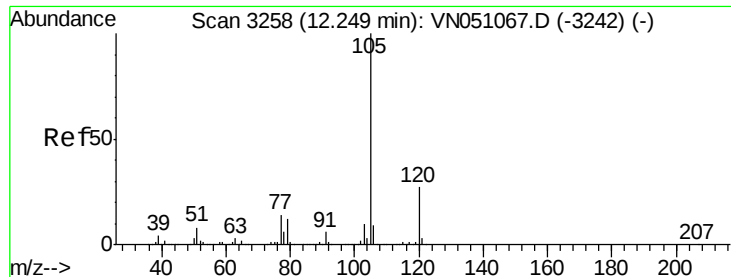


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.03 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

ClientSampleId :

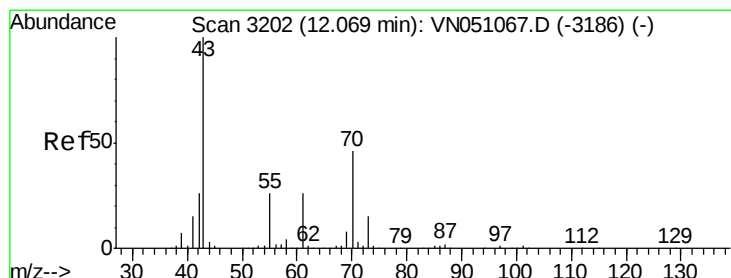
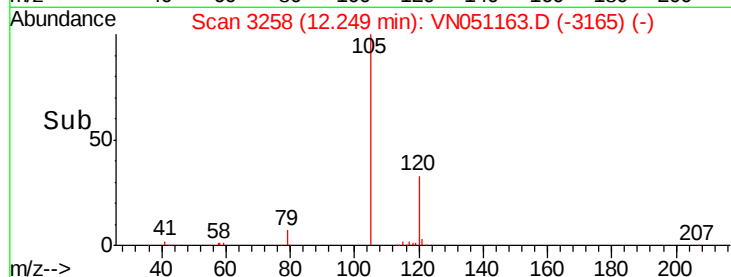
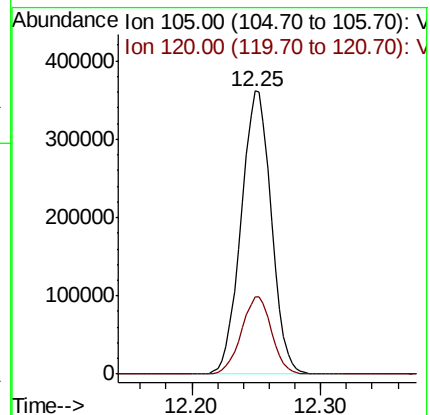
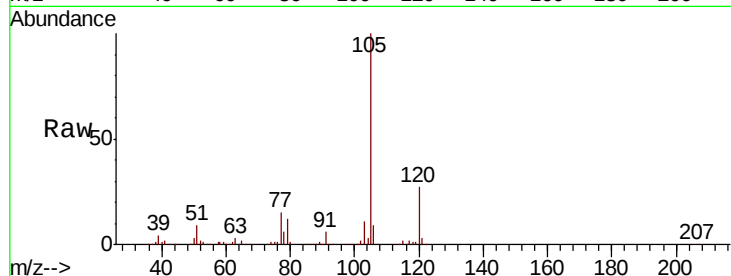
VN0913WBSD01

Tot Ion:105 Resp: 586953

Ion Ratio Lower Upper

105 100

120 27.3 13.6 40.7



#74

N-ethyl acetate

Concen: 20.29 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Tgt Ion: 43 Resp: 149645

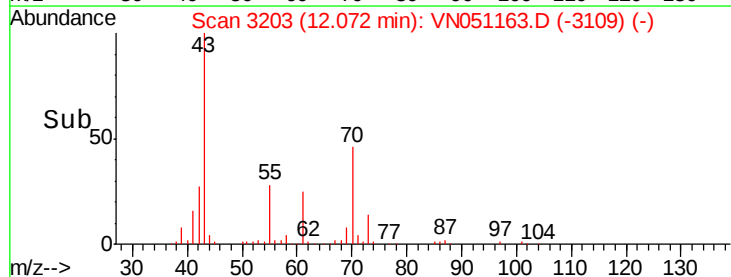
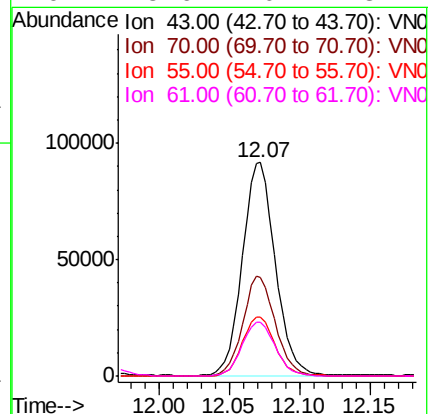
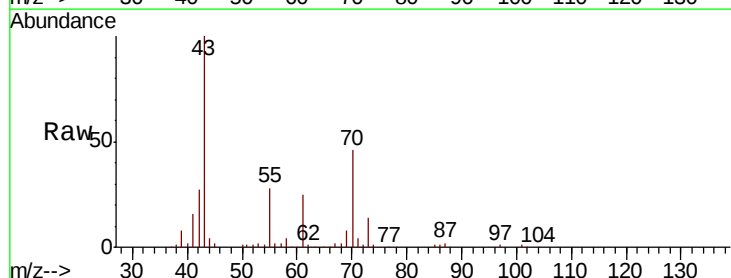
Ion Ratio Lower Upper

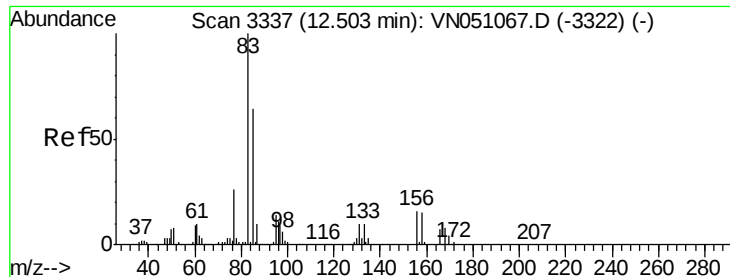
43 100

70 46.1 37.0 55.4

55 27.7 21.3 31.9

61 25.6 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 23.92 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

ClientSampled :

VN0913WBSD01

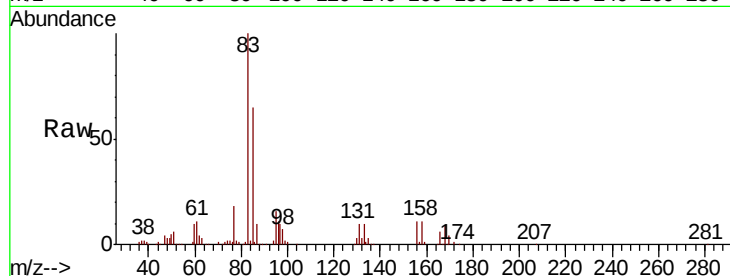
Tot Ion: 83 Resp: 166463

Ion Ratio Lower Upper

83 100

131 10.2 5.3 16.1

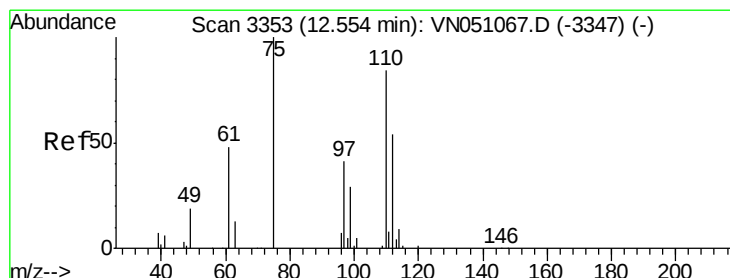
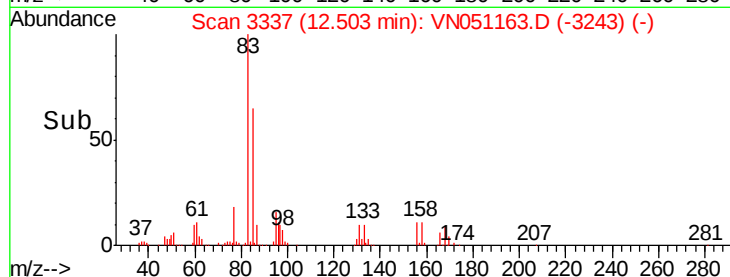
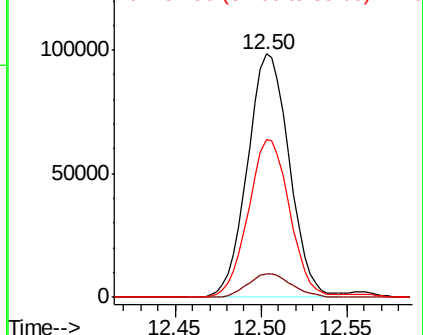
85 64.1 32.3 96.8



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: 34.06 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051163.D

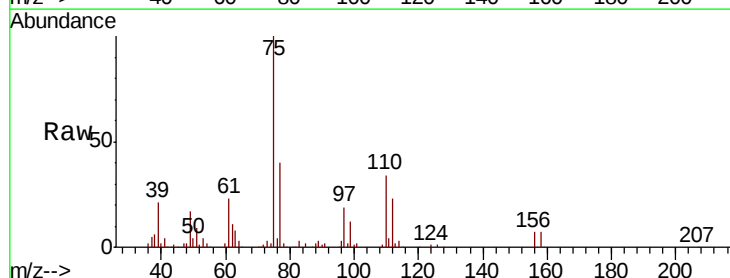
Acq: 13 Sep 2018 11:28

Tgt Ion: 75 Resp: 187103

Ion Ratio Lower Upper

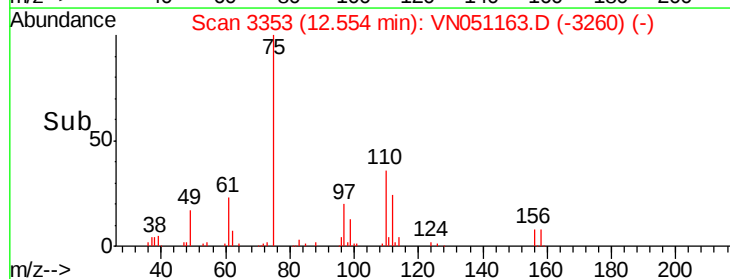
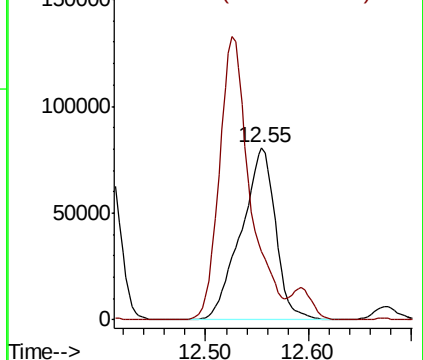
75 100

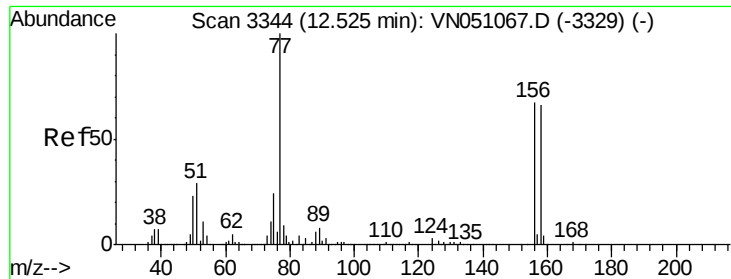
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.41 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

ClientSampled :

VN0913WBSD01

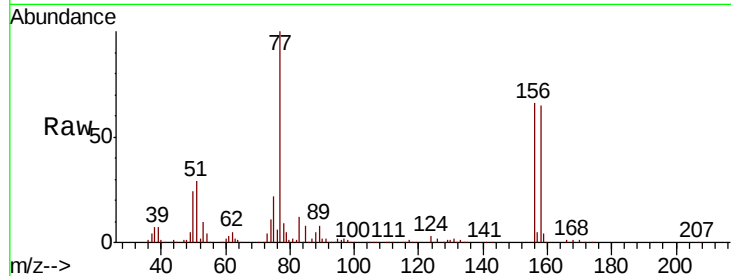
Tot Ion:156 Resp: 152831

Ion Ratio Lower Upper

156 100

77 179.2 87.5 262.6

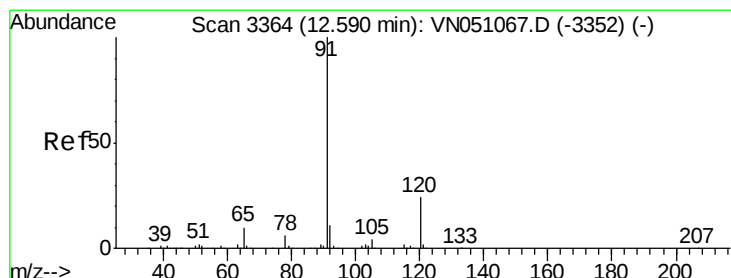
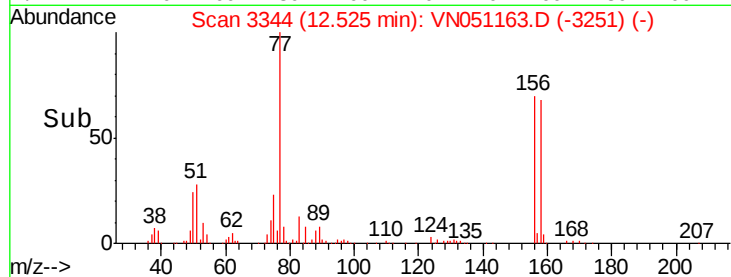
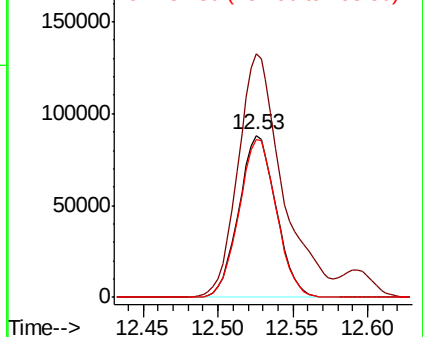
158 97.7 49.0 147.2



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: 19.72 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051163.D

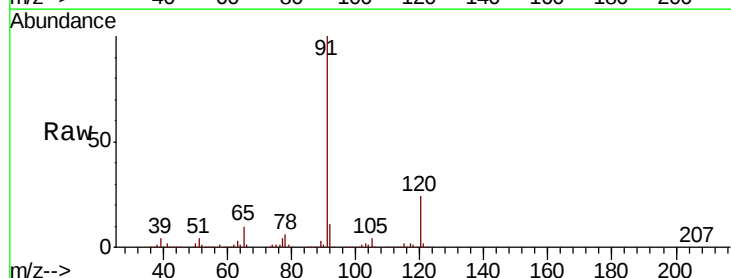
Acq: 13 Sep 2018 11:28

Tgt Ion: 91 Resp: 635373

Ion Ratio Lower Upper

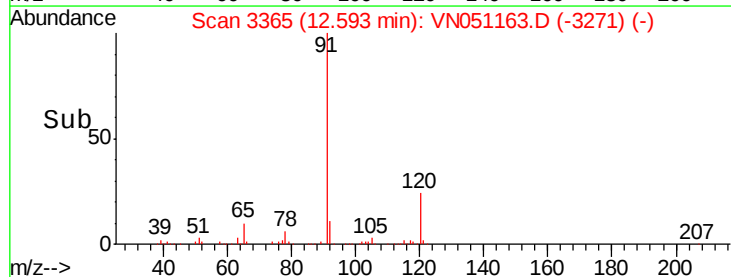
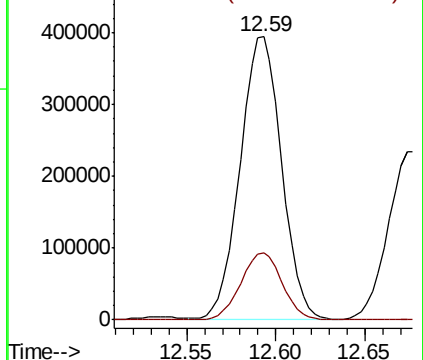
91 100

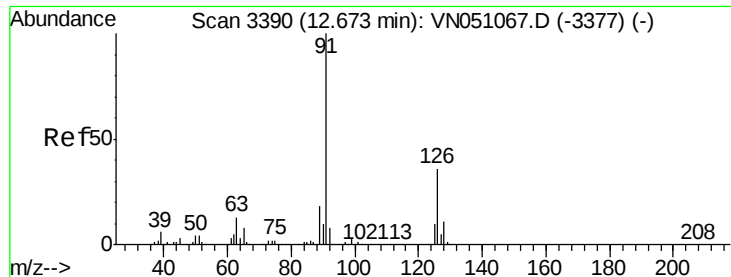
120 23.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

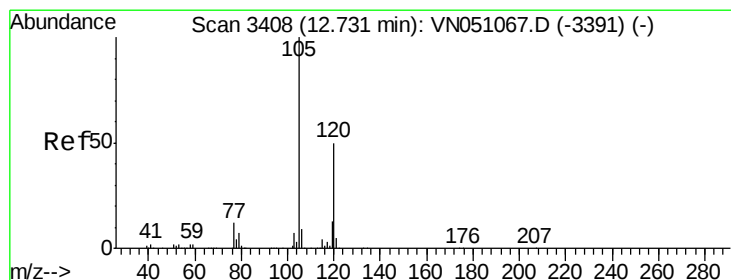
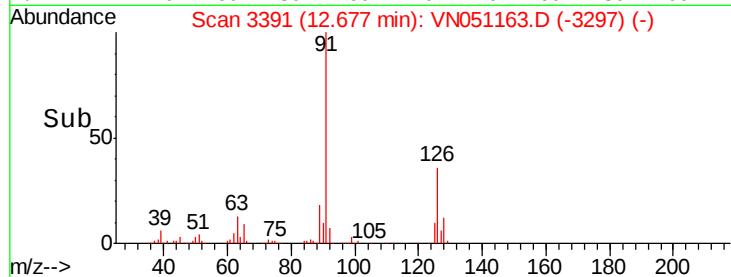
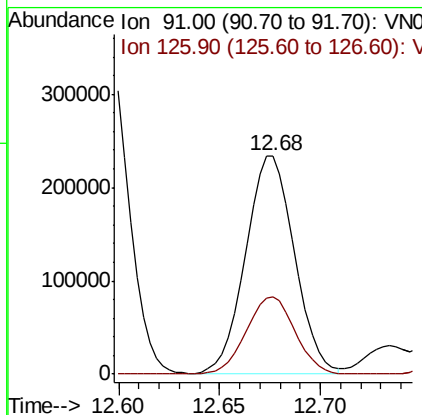
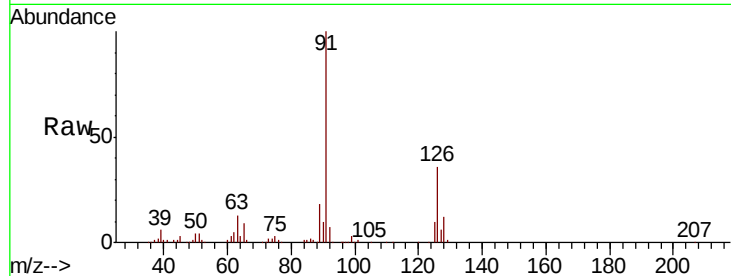




#79
 2-Chlorotoluene
 Concen: 19.58 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

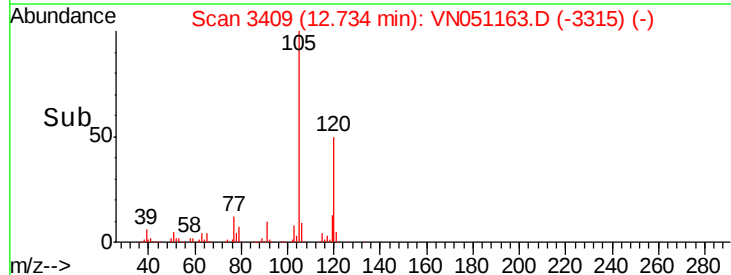
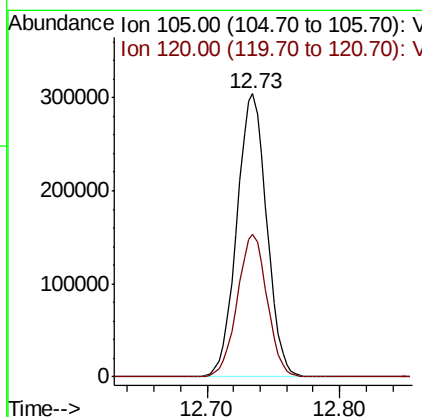
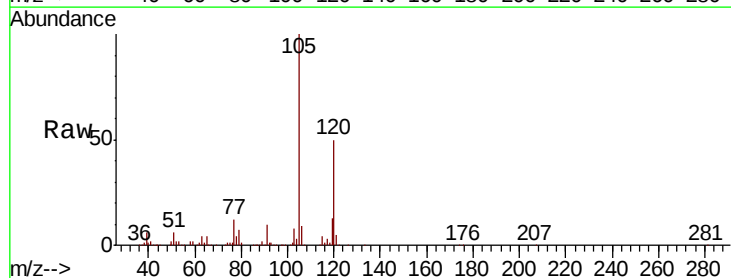
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

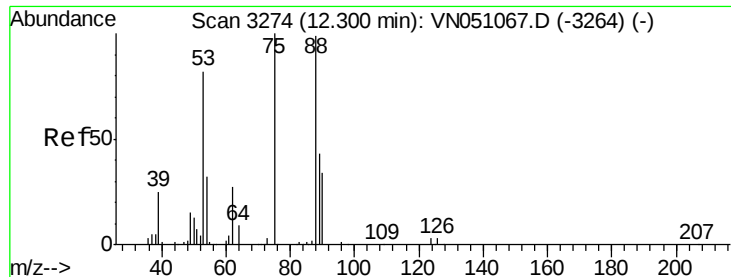
Tot Ion: 91 Resp: 394225
 Ion Ratio Lower Upper
 91 100
 126 35.5 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 20.02 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Tgt Ion: 105 Resp: 474465
 Ion Ratio Lower Upper
 105 100
 120 50.2 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.07 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

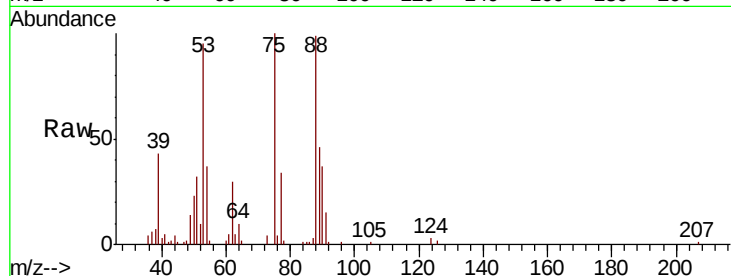
Tot Ion: 75 Resp: 36936

Ion Ratio Lower Upper

75 100

53 94.0 67.8 101.8

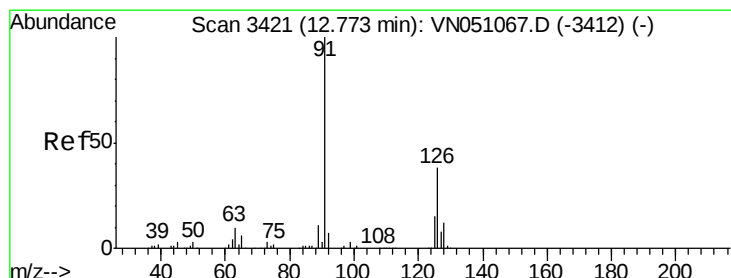
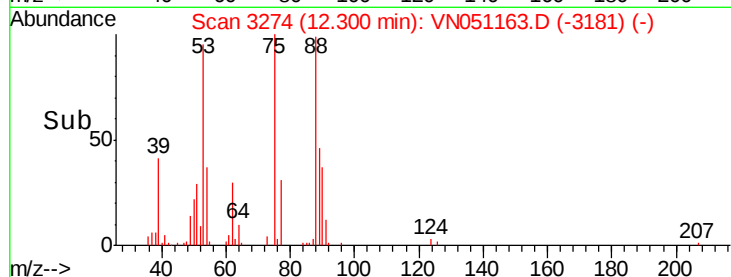
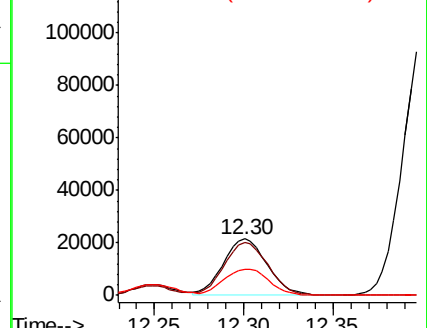
89 47.4 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.18 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051163.D

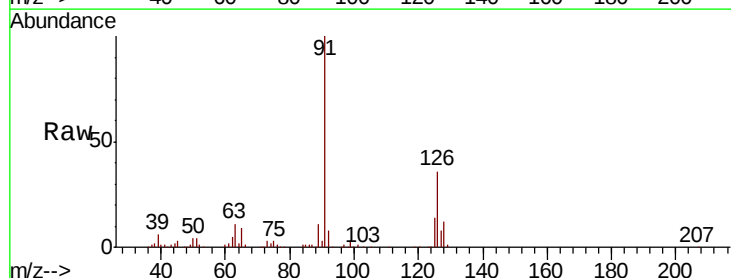
Acq: 13 Sep 2018 11:28

Tgt Ion: 91 Resp: 383401

Ion Ratio Lower Upper

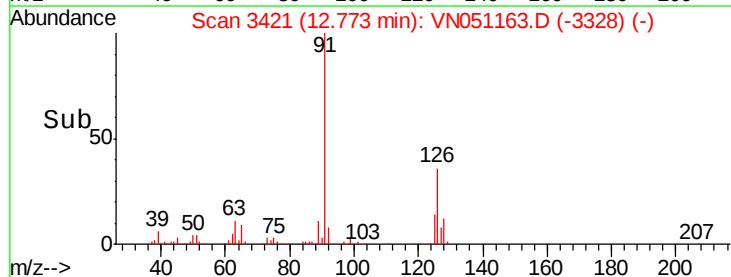
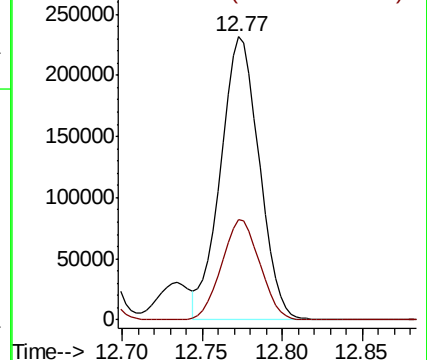
91 100

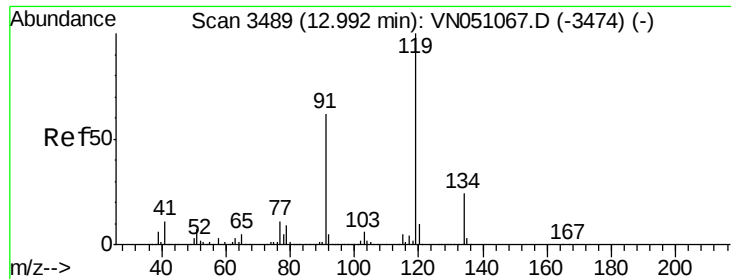
126 35.2 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

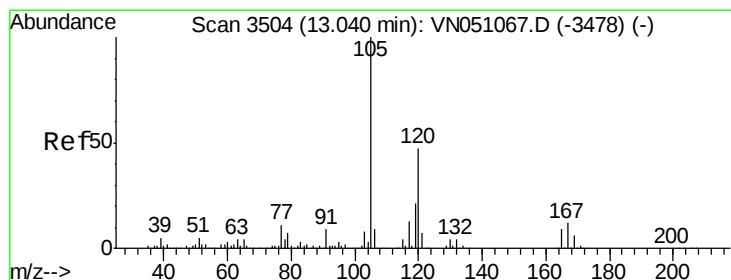
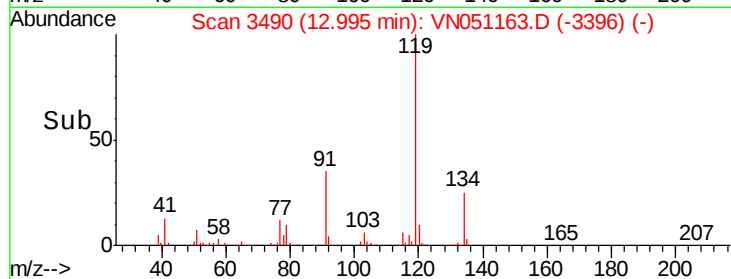
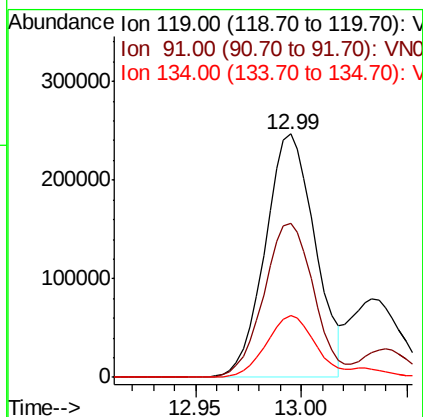
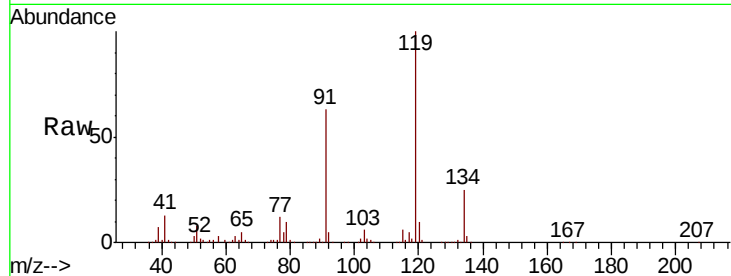




#83
 tert-Butylbenzene
 Concen: 19.36 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

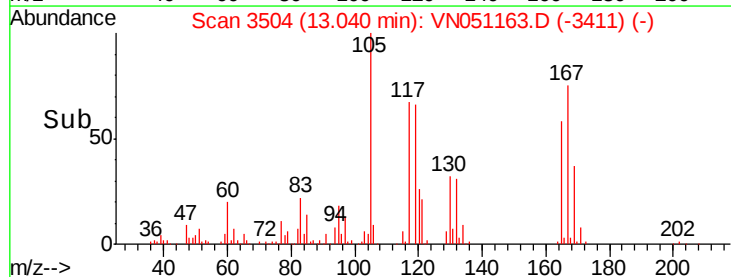
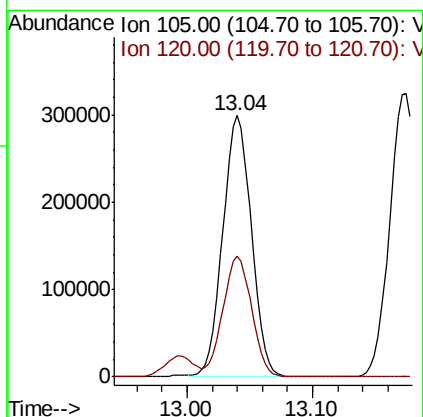
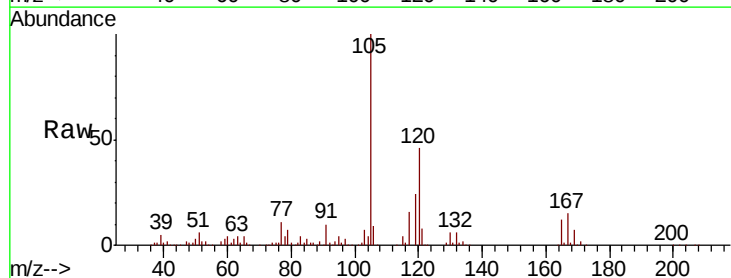
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

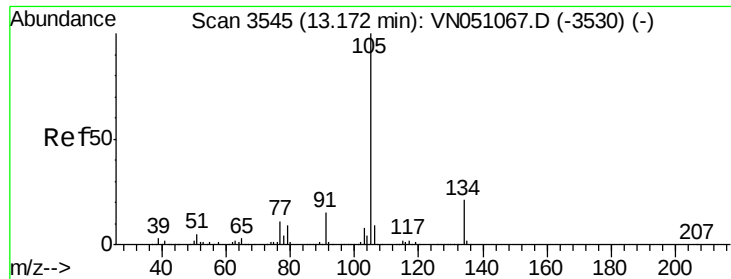
Tot Ion:119 Resp: 405108
 Ion Ratio Lower Upper
 119 100
 91 64.1 30.8 92.3
 134 25.3 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 20.25 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Tgt Ion:105 Resp: 471775
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.3 69.8

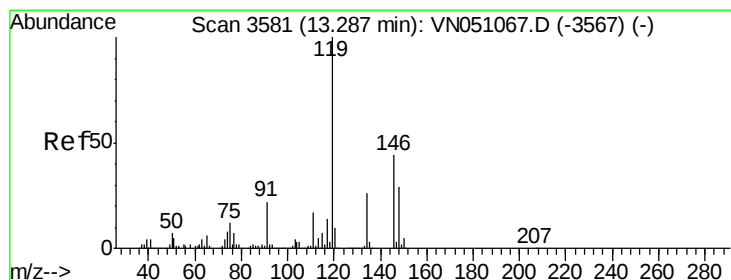
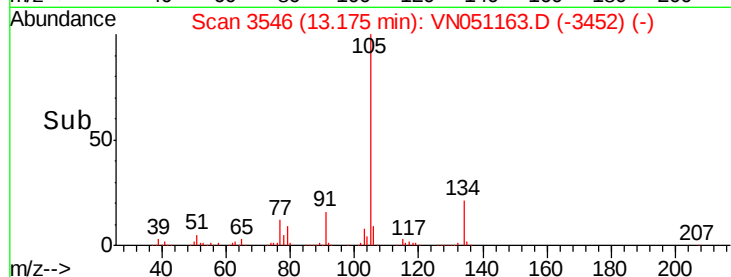
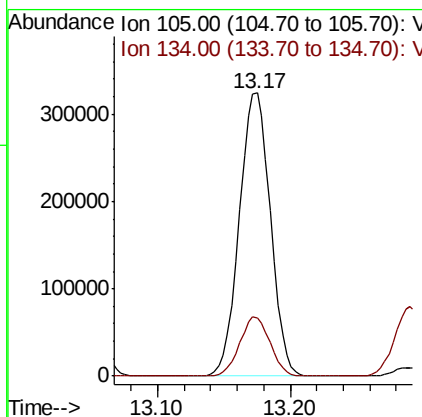
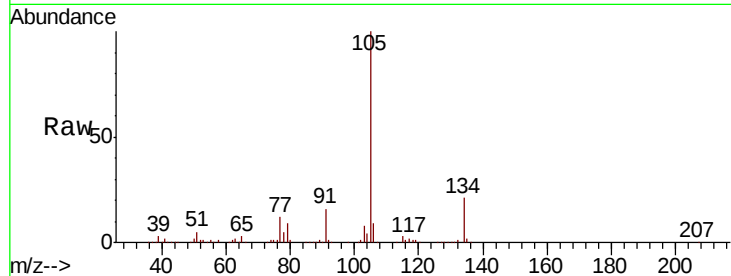




#85
 sec-Butylbenzene
 Concen: 19.62 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

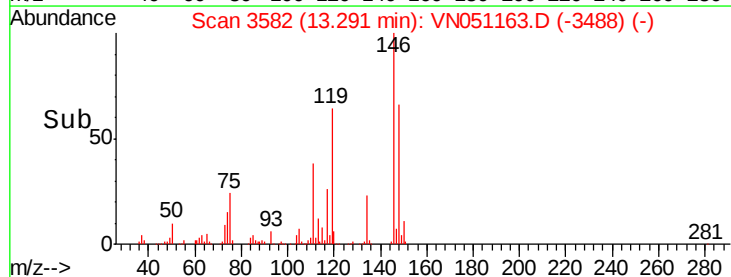
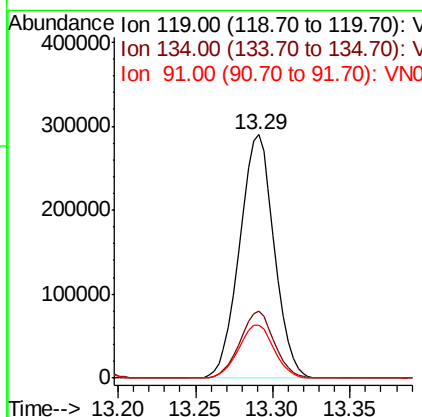
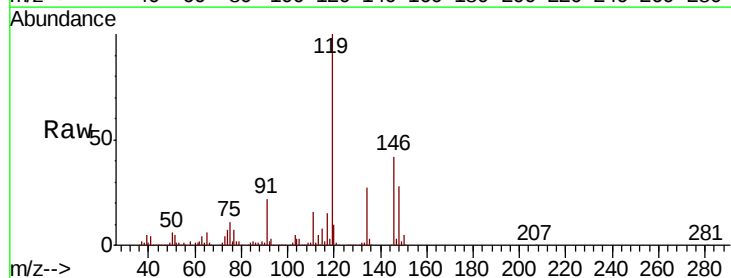
Instrument :
 MSVOA_N
 ClientSampled :
 VN0913WBSD01

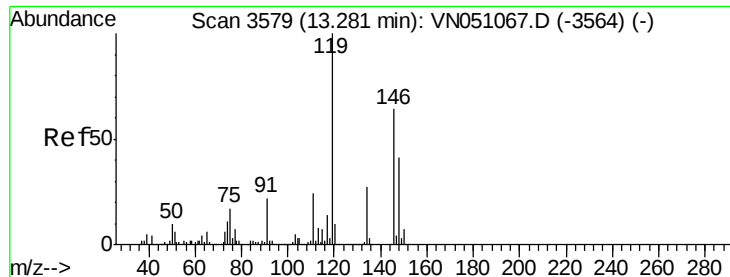
Tot Ion:105 Resp: 526425
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 19.76 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Tgt Ion:119 Resp: 449448
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.5 40.4
 91 22.3 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 18.36 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

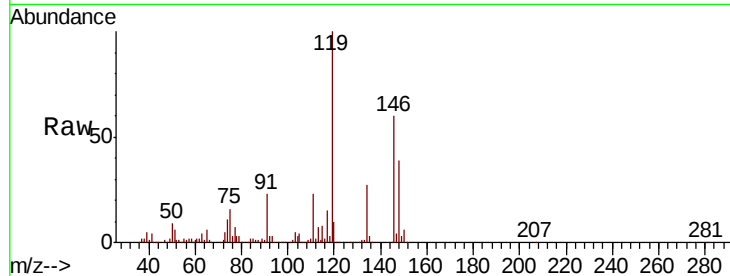
Tot Ion:146 Resp: 245181

Ion Ratio Lower Upper

146 100

111 38.9 19.1 57.1

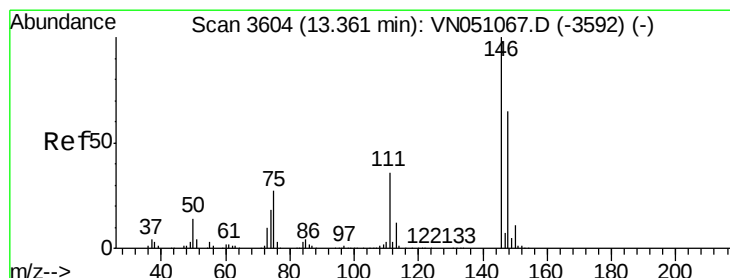
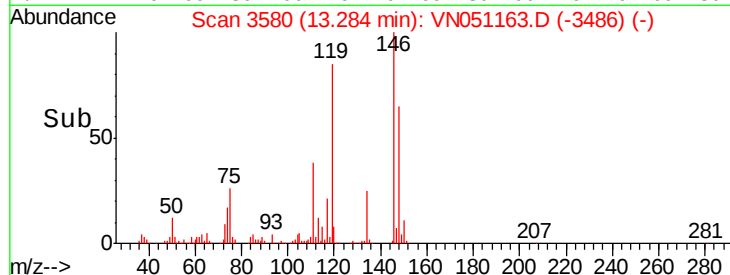
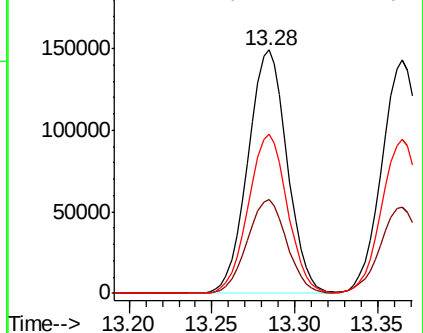
148 65.3 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.38 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

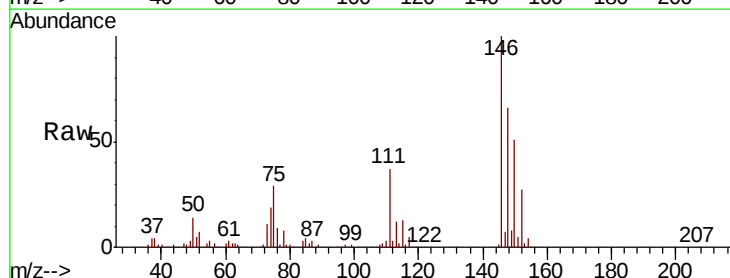
Tgt Ion:146 Resp: 237543

Ion Ratio Lower Upper

146 100

111 38.1 18.4 55.0

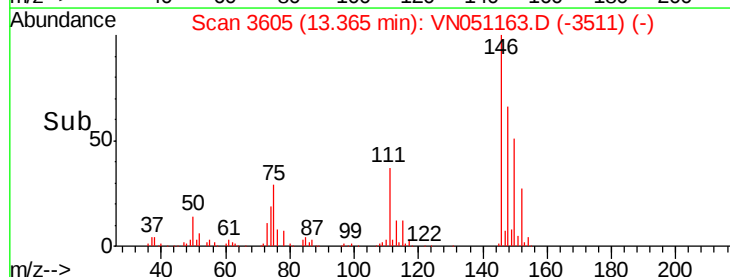
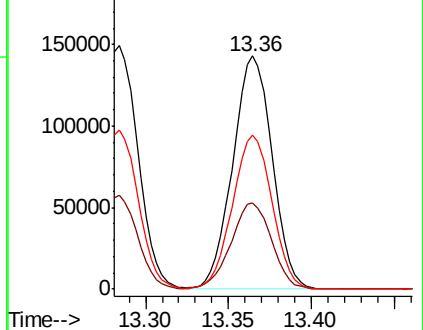
148 66.0 32.2 96.6

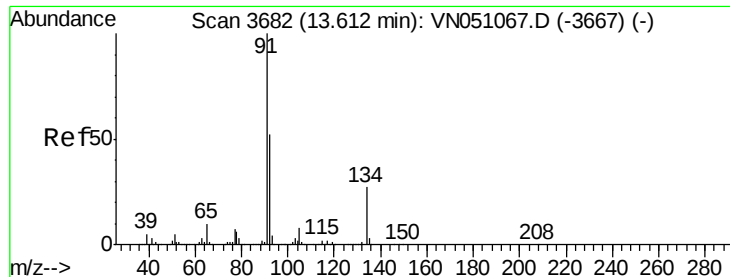


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 17.73 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

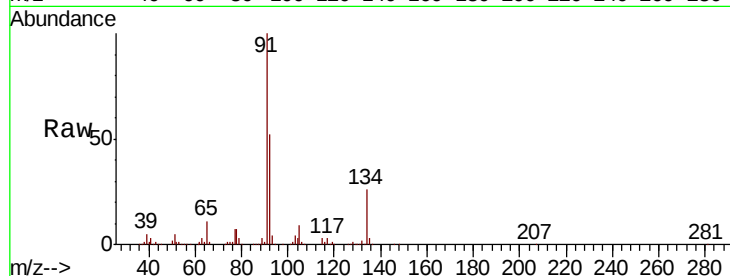
Tot Ion: 91 Resp: 313837

Ion Ratio Lower Upper

91 100

92 51.6 26.2 78.6

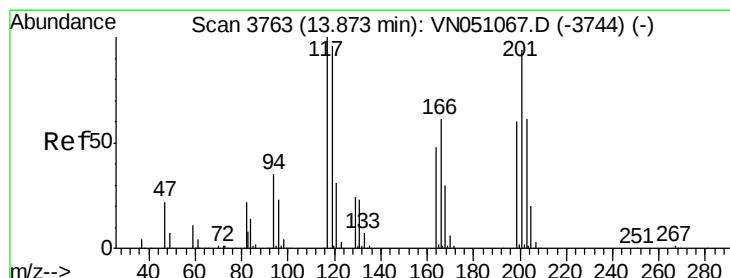
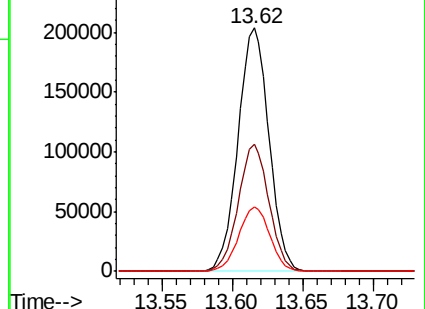
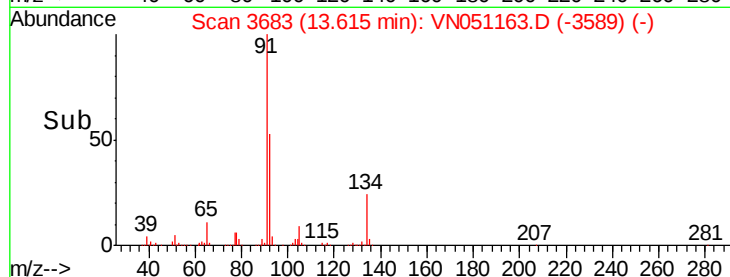
134 26.7 13.7 41.1



Abundance Ion 91.00 (90.70 to 91.70): VN051163.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN051163.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN051163.D (-3669) (-)



#90

Hexachloroethane

Concen: 20.79 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN051163.D

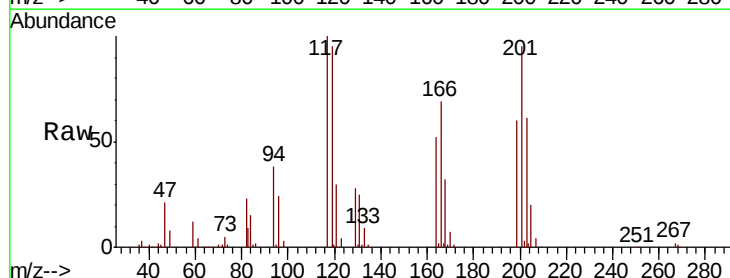
Acq: 13 Sep 2018 11:28

Tgt Ion: 117 Resp: 87585

Ion Ratio Lower Upper

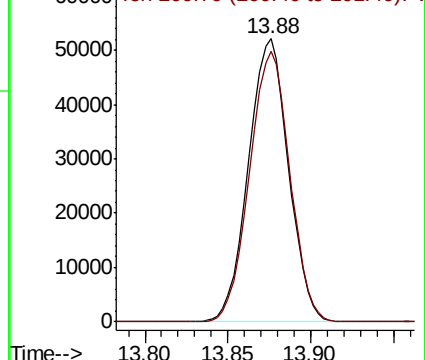
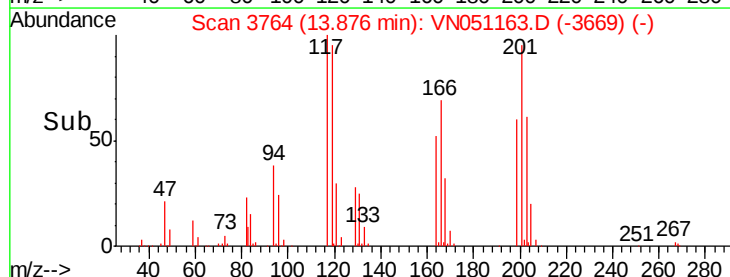
117 100

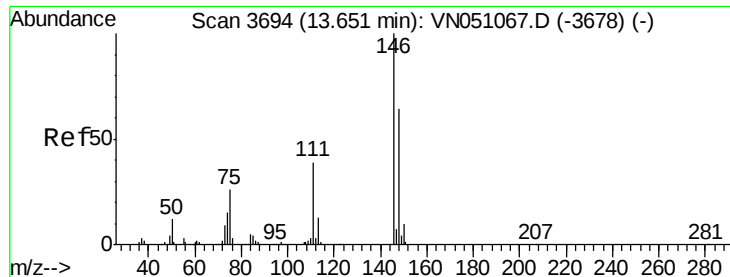
201 95.8 47.3 142.0



Abundance Ion 116.80 (116.50 to 117.50): VN051163.D (-3669) (-)

Ion 200.70 (200.40 to 201.40): VN051163.D (-3669) (-)

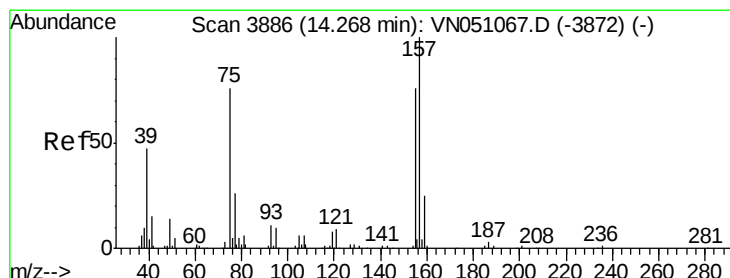
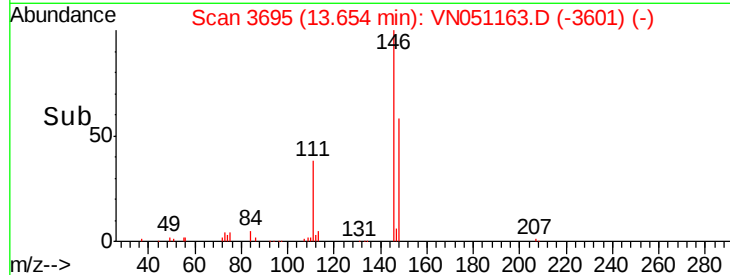
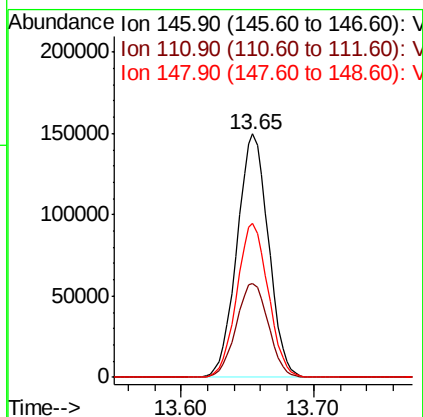
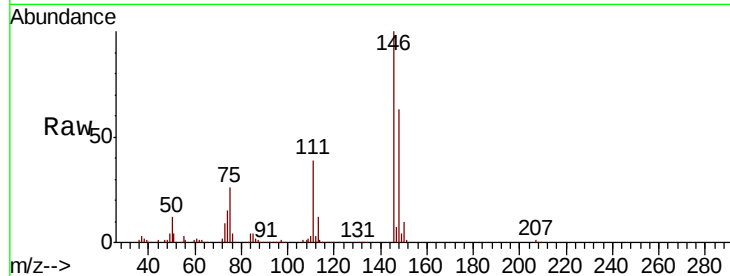




#91
 1,2-Dichlorobenzene
 Concen: 18.95 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

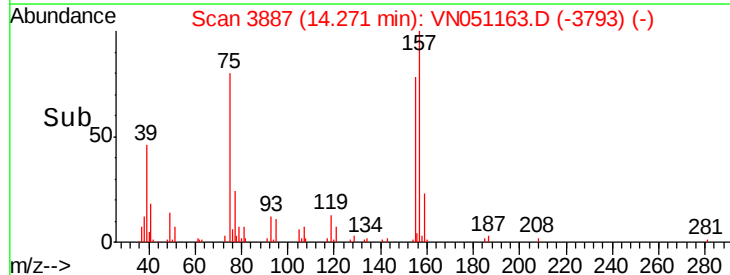
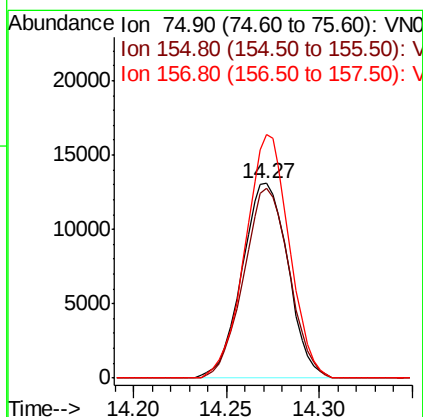
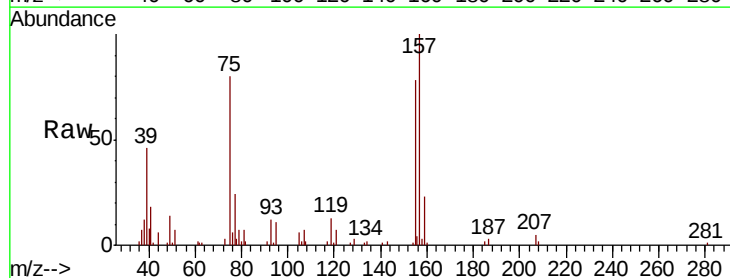
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

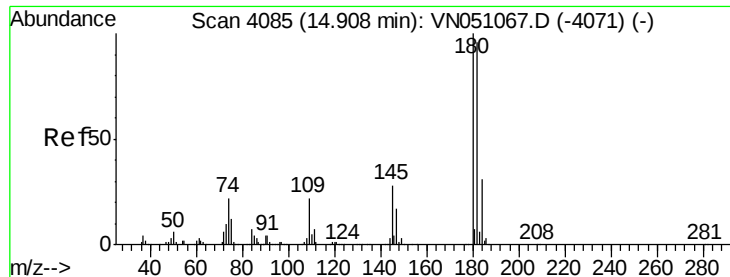
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.0
148	63.2	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.90 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.3	48.7	146.1
157	119.4	63.6	190.9

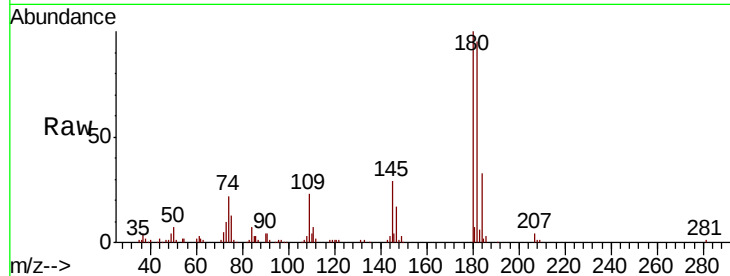




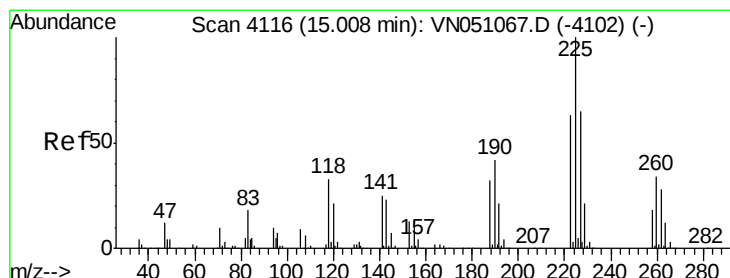
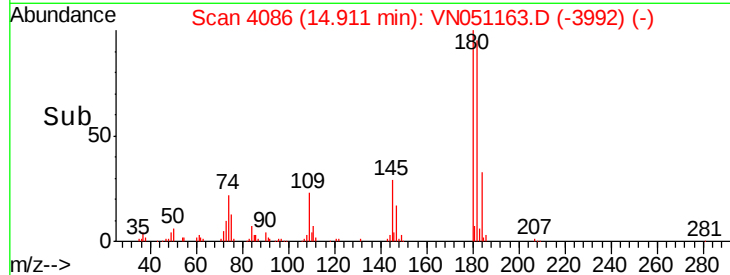
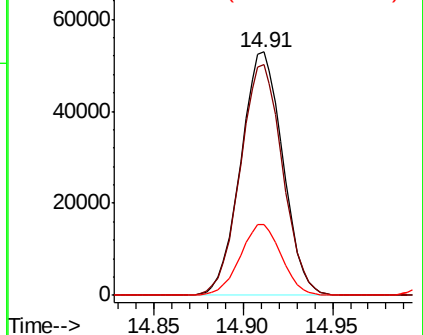
#93
 1,2,4-Trichlorobenzene
 Concen: 16.71 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Instrument :
 MSVOA_N
 ClientSampled :
 VN0913WBSD01

Tot Ion:180 Resp: 87005
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.3 141.8
 145 28.5 14.2 42.6

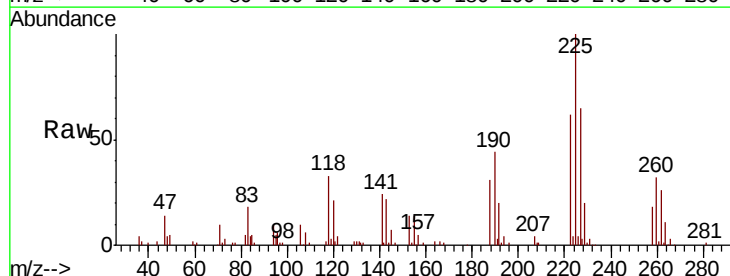


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

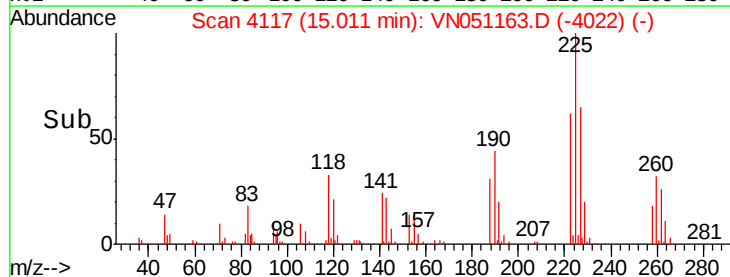
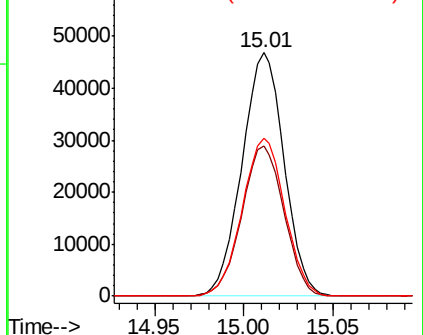


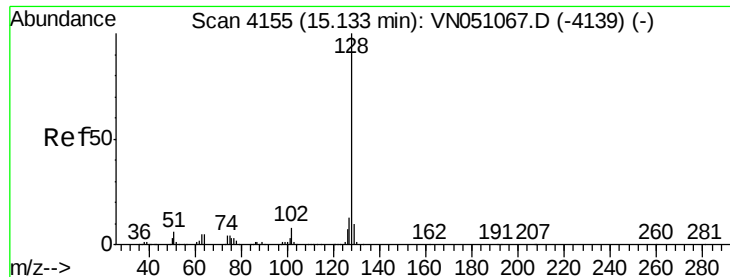
#94
 Hexachlorobutadiene
 Concen: 19.26 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Tgt Ion:225 Resp: 77130
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.4 94.0
 227 65.8 32.1 96.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

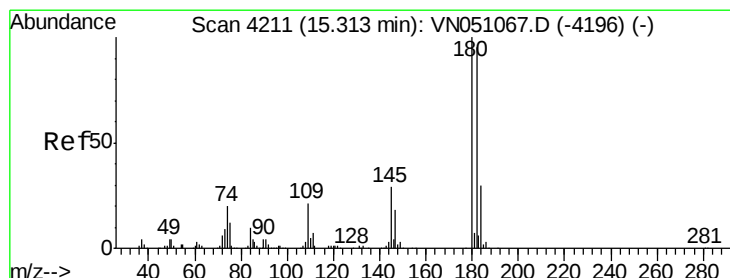
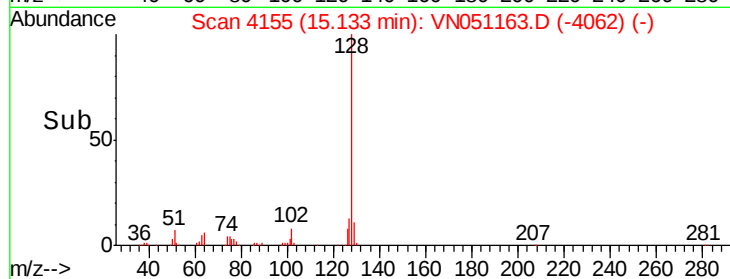
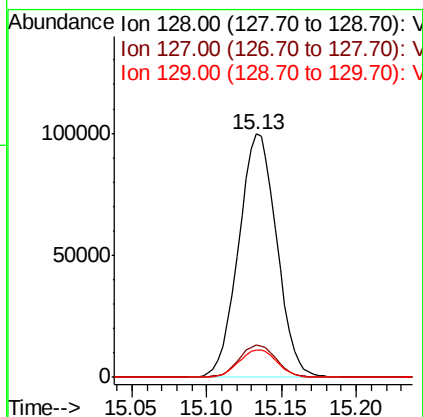
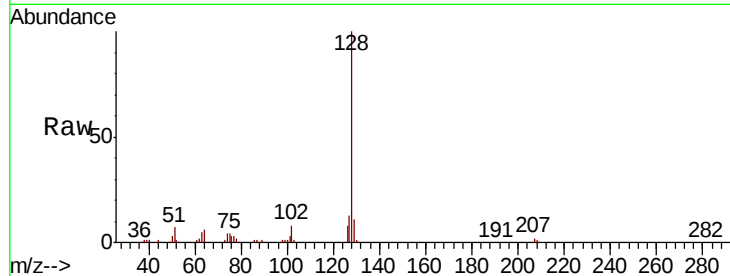




#95
Naphthalene
Concen: 17.34 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	11.4	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 17.80 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.8	143.3
145	29.0	14.6	43.8

