

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091318\
 Data File : VN051161.D
 Acq On : 13 Sep 2018 10:38
 Operator : MD\SY
 Sample : VN0913WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

Quant Time: Sep 14 01:04:09 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	578074	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	829794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	736593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	341569	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	345332	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	
35) Dibromofluoromethane	7.59	113	331793	53.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.42%	
50) Toluene-d8	10.09	98	1217180	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
62) 4-Bromofluorobenzene	12.40	95	375713	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	90386	16.21	ug/l	96
3) Chloromethane	2.06	50	123410	16.78	ug/l	100
4) Vinyl Chloride	2.18	62	125501	16.40	ug/l	100
5) Bromomethane	2.56	94	68837	15.26	ug/l	99
6) Chloroethane	2.70	64	78045	16.53	ug/l	99
7) Trichlorofluoromethane	3.01	101	175214	17.28	ug/l	97
8) Diethyl Ether	3.41	74	67011	17.97	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	110440	16.90	ug/l	100
10) Methyl Iodide	3.95	142	69787	15.76	ug/l	98
11) Tert butyl alcohol	4.80	59	49416	100.57	ug/l	97
12) 1,1-Dichloroethene	3.73	96	100893	16.36	ug/l	99
13) Acrolein	3.61	56	44910	91.89	ug/l	98
14) Allyl chloride	4.32	41	155208	16.52	ug/l	99
15) Acrylonitrile	5.00	53	212586	97.64	ug/l	99
16) Acetone	3.82	43	160923	97.61	ug/l	97
17) Carbon Disulfide	4.05	76	293639	16.23	ug/l	100
18) Methyl Acetate	4.33	43	105337	20.45	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	296974	18.22	ug/l	97
20) Methylene Chloride	4.55	84	122552	17.25	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	109816	16.42	ug/l	98
22) Diisopropyl ether	5.96	45	349808	18.76	ug/l	97
23) Vinyl Acetate	5.90	43	1164904	92.31	ug/l	99
24) 1,1-Dichloroethane	5.85	63	209234	17.68	ug/l	99
25) 2-Butanone	6.84	43	239799	94.81	ug/l	100
26) 2,2-Dichloropropane	6.83	77	161935	16.72	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	125228	17.07	ug/l	99
28) Bromochloromethane	7.20	49	103495	19.65	ug/l	97
29) Tetrahydrofuran	7.22	42	159993	101.30	ug/l	99
30) Chloroform	7.37	83	211252	17.95	ug/l	98
31) Cyclohexane	7.66	56	175104	16.44	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	179093	17.86	ug/l	99
36) 1,1-Dichloropropene	7.80	75	155028	17.02	ug/l	99
37) Ethyl Acetate	6.94	43	109007	20.66	ug/l	99
38) Carbon Tetrachloride	7.77	117	161166	17.97	ug/l	98

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 Data File : VN051161.D
 Acq On : 13 Sep 2018 10:38
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 Sample : VN0913WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

Quant Time: Sep 14 01:04:09 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	156622	15.58	ug/l	96
40) Benzene	8.04	78	487762	17.77	ug/l	99
41) Methacrylonitrile	7.17	41	47635	17.50	ug/l	95
42) 1,2-Dichloroethane	8.13	62	146745	18.34	ug/l	99
43) Isopropyl Acetate	8.17	43	184058	19.77	ug/l #	89
44) Trichloroethene	8.84	130	129024	17.18	ug/l	99
45) 1,2-Dichloropropane	9.12	63	129111	18.20	ug/l	97
46) Dibromomethane	9.21	93	78029	18.03	ug/l	99
47) Bromodichloromethane	9.40	83	162456	18.46	ug/l	96
48) Methyl methacrylate	9.20	41	89971	19.83	ug/l	97
49) 1,4-Dioxane	9.20	88	28002	393.59	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	536542	104.21	ug/l	100
52) Toluene	10.16	92	300931	17.98	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	154199	17.51	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	183745	17.79	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	116040	19.08	ug/l	99
56) Ethyl methacrylate	10.43	69	139161	18.67	ug/l	99
57) 1,3-Dichloropropane	10.71	76	190217	18.87	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	315162	101.50	ug/l	99
59) 2-Hexanone	10.75	43	343435	98.36	ug/l	98
60) Dibromochloromethane	10.90	129	126850	18.51	ug/l	98
61) 1,2-Dibromoethane	11.01	107	112550	18.93	ug/l	99
64) Tetrachloroethene	10.63	164	115798	17.23	ug/l	98
65) Chlorobenzene	11.44	112	323499	17.42	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	123652	18.50	ug/l	98
67) Ethyl Benzene	11.51	91	519219	17.27	ug/l	100
68) m/p-Xylenes	11.62	106	408034	35.32	ug/l	99
69) o-Xylene	11.95	106	197028	17.61	ug/l	99
70) Styrene	11.96	104	305756	17.62	ug/l	98
71) Bromoform	12.13	173	90017	19.13	ug/l #	100
73) Isopropylbenzene	12.25	105	519938	18.15	ug/l	99
74) N-amyl acetate	12.07	43	131796	18.28	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	150464	22.00	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	166417	30.86	ug/l #	100
77) Bromobenzene	12.53	156	134351	17.46	ug/l	98
78) n-propylbenzene	12.59	91	558330	17.73	ug/l	100
79) 2-Chlorotoluene	12.68	91	344317	17.50	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	412920	17.83	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	32977	18.34	ug/l	97
82) 4-Chlorotoluene	12.77	91	340059	17.41	ug/l	98
83) tert-Butylbenzene	12.99	119	356775	17.45	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	418378	18.37	ug/l	99
85) sec-Butylbenzene	13.17	105	459520	17.52	ug/l	99
86) p-Isopropyltoluene	13.29	119	389272	17.51	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	214277	16.42	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	207582	17.33	ug/l	98
89) n-Butylbenzene	13.62	91	272624	15.76	ug/l	97
90) Hexachloroethane	13.88	117	77700	18.81	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	214891	16.89	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19624	20.45	ug/l	99

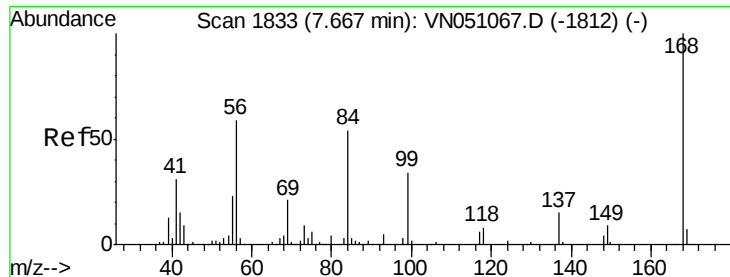
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091318\
Data File : VN051161.D
Acq On : 13 Sep 2018 10:38
Operator : MD\SY
Sample : VN0913WBS01
Misc : 5.00mL/MSVOA N/WATER
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Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

Quant Time: Sep 14 01:04:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	75746	15.32	ug/l	99
94) Hexachlorobutadiene	15.01	225	67476	17.05	ug/l	99
95) Naphthalene	15.13	128	153166	15.99	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	82158	16.11	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: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampled :

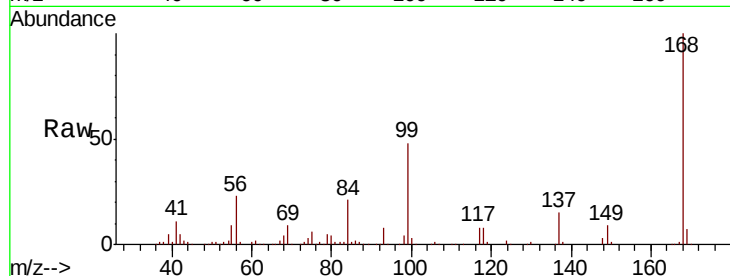
VN0913WBS01

Tot Ion:168 Resp: 578074

Ion Ratio Lower Upper

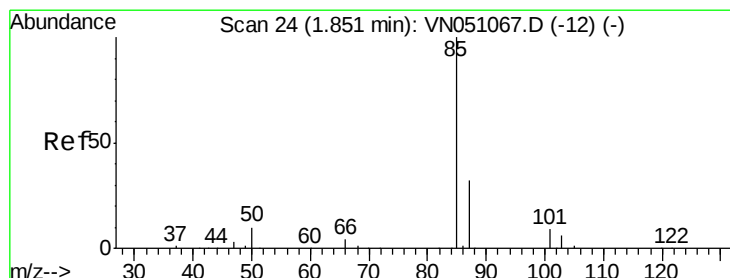
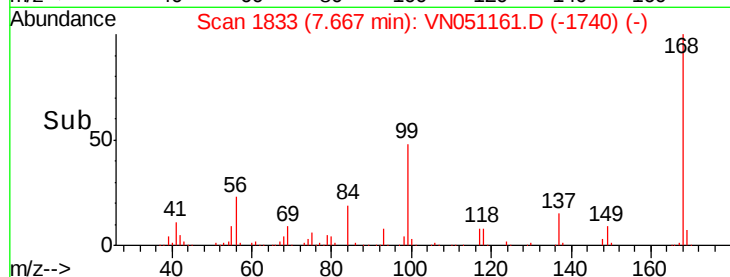
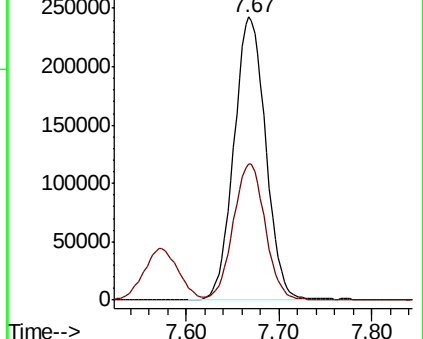
168 100

99 48.0 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: 16.21 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051161.D

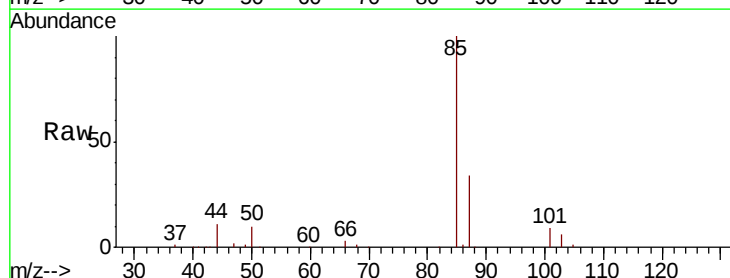
Acq: 13 Sep 2018 10:38

Tgt Ion: 85 Resp: 90386

Ion Ratio Lower Upper

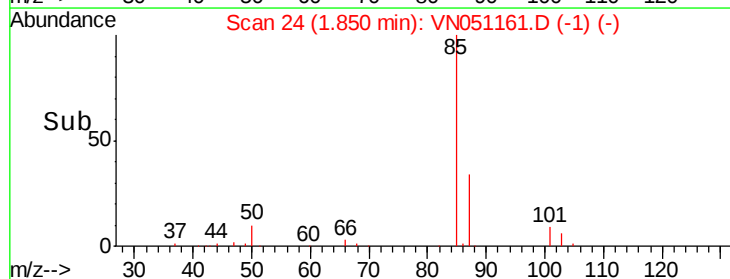
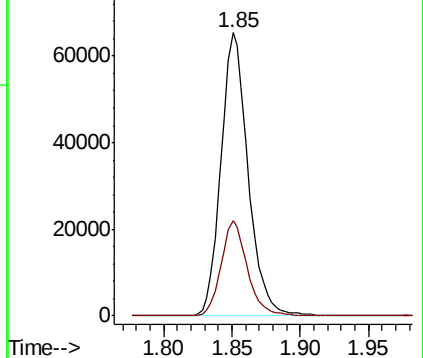
85 100

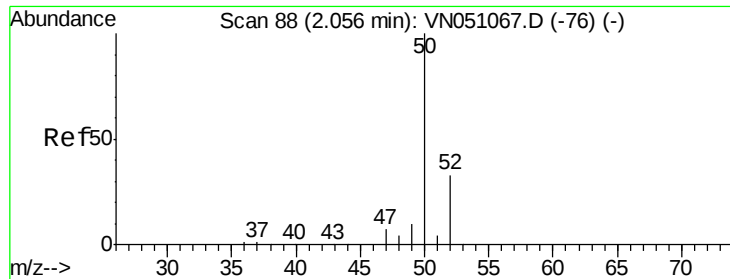
87 33.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 16.78 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampled :

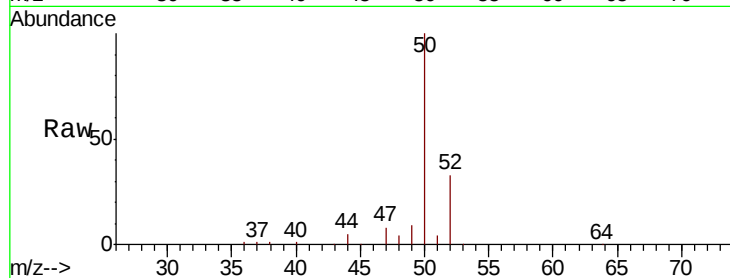
VN0913WBS01

Tot Ion: 50 Resp: 123410

Ion Ratio Lower Upper

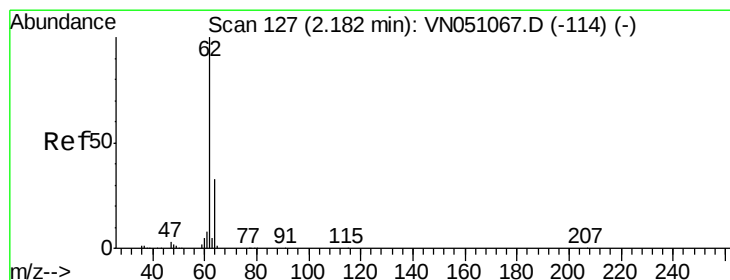
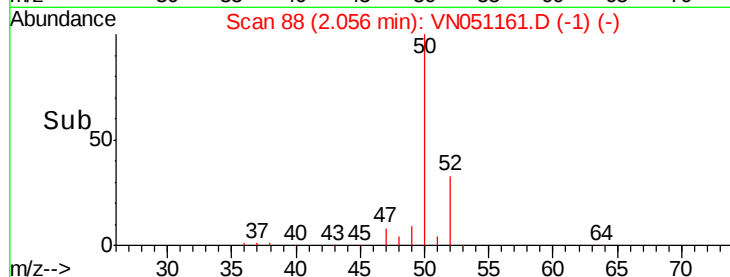
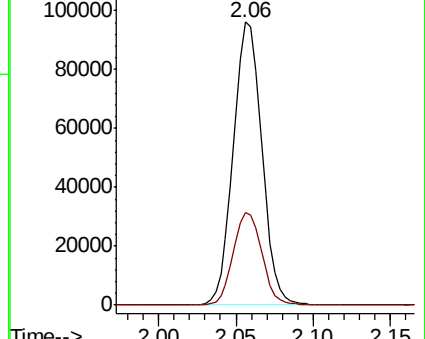
50 100

52 32.7 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 16.40 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051161.D

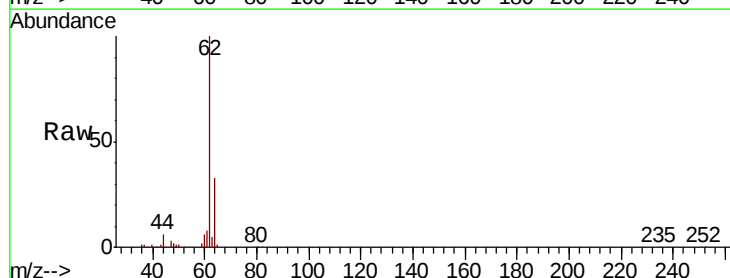
Acq: 13 Sep 2018 10:38

Tgt Ion: 62 Resp: 125501

Ion Ratio Lower Upper

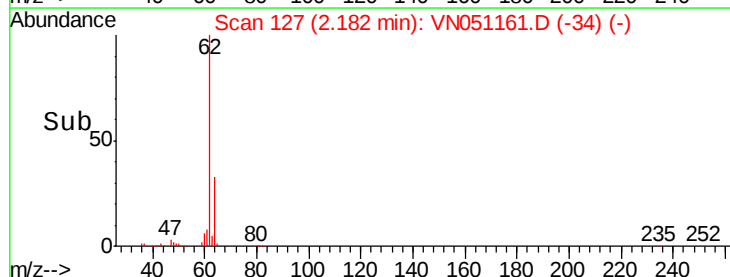
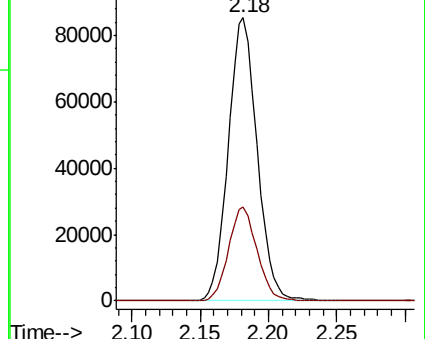
62 100

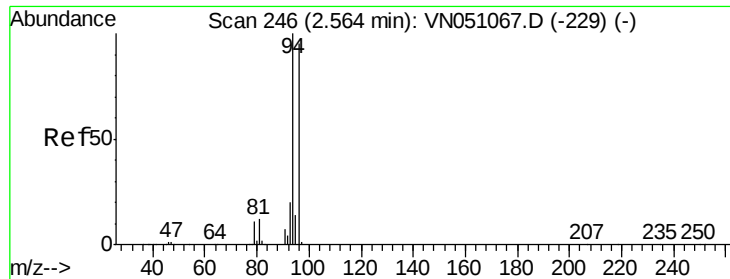
64 33.0 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 15.26 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

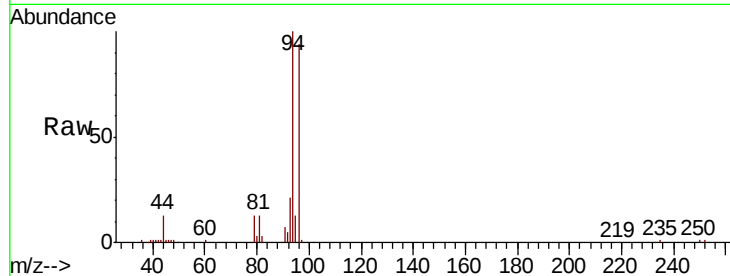
VN0913WBS01

Tot Ion: 94 Resp: 68837

Ion Ratio Lower Upper

94 100

96 93.5 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

40000

30000

20000

10000

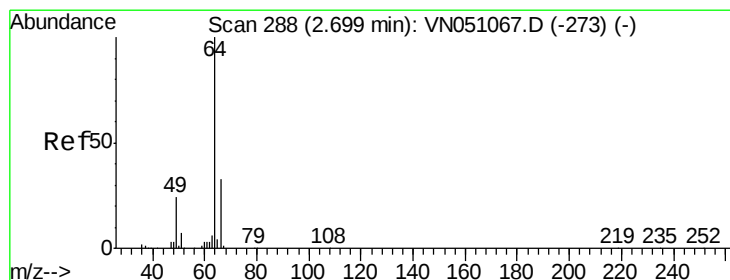
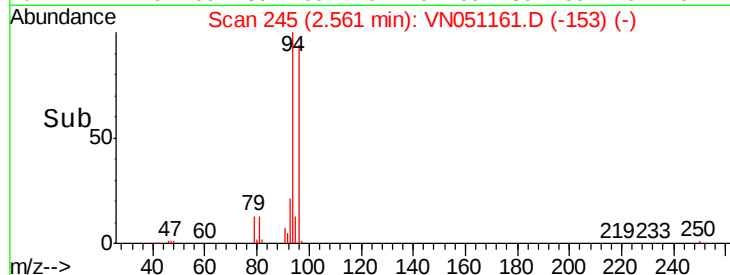
0

Time-->

2.50

2.60

2.70



#6

Chloroethane

Concen: 16.53 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051161.D

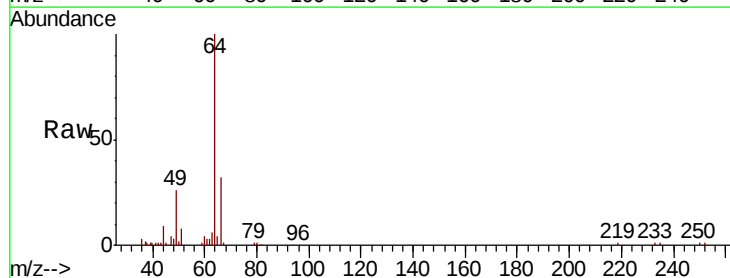
Acq: 13 Sep 2018 10:38

Tgt Ion: 64 Resp: 78045

Ion Ratio Lower Upper

64 100

66 31.9 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

40000

30000

20000

10000

0

Time-->

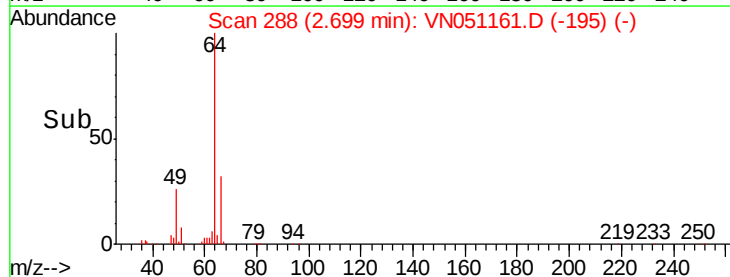
2.60

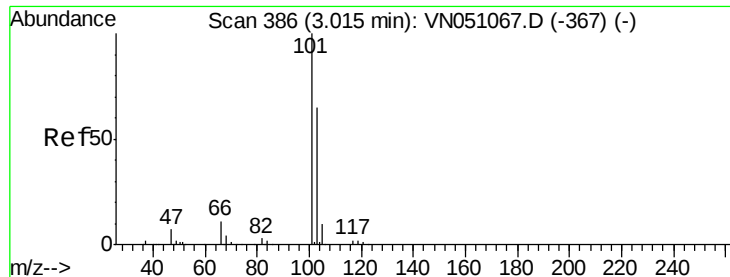
2.65

2.70

2.75

2.80



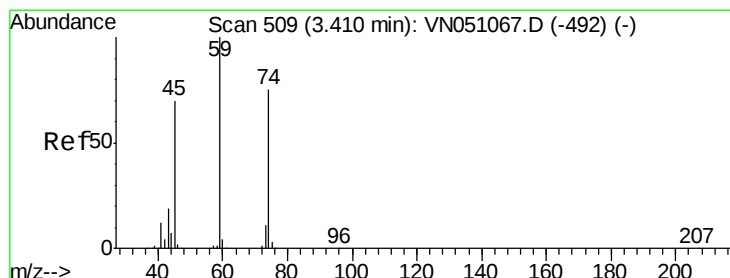
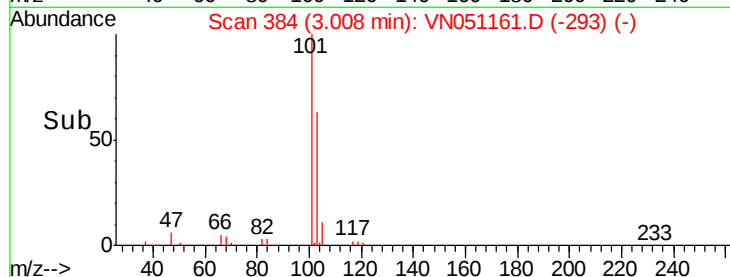
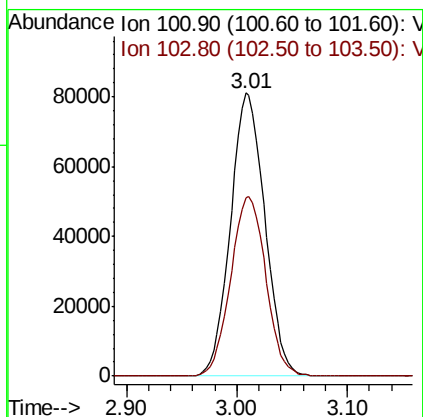
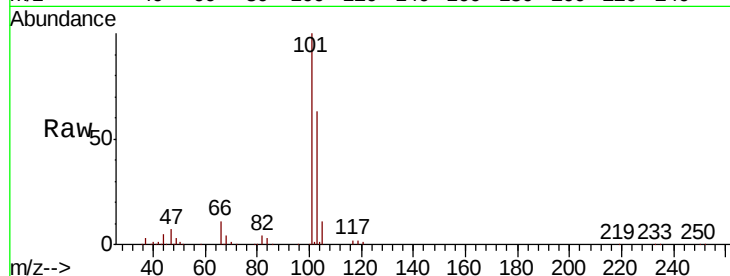


#7

Trichlorofluoromethane
 Concen: 17.28 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.01 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

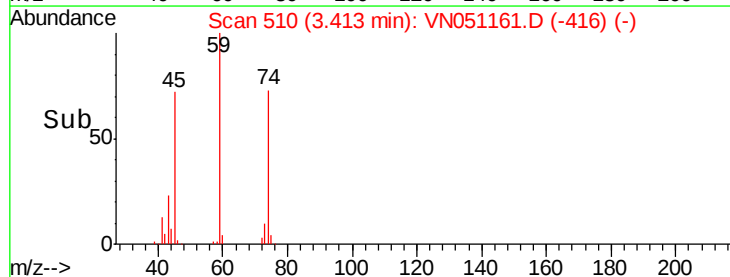
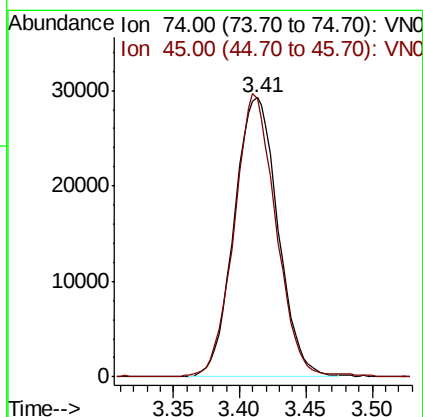
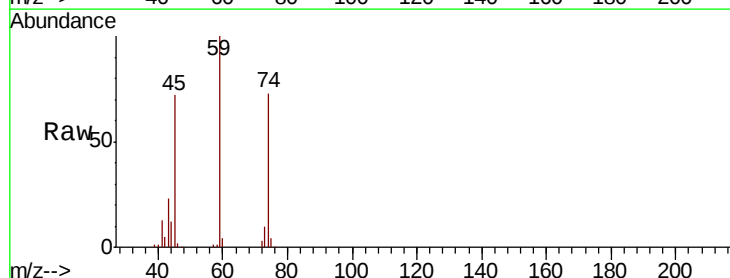
Tot Ion:101 Resp: 175214
 Ion Ratio Lower Upper
 101 100
 103 62.9 52.4 78.6

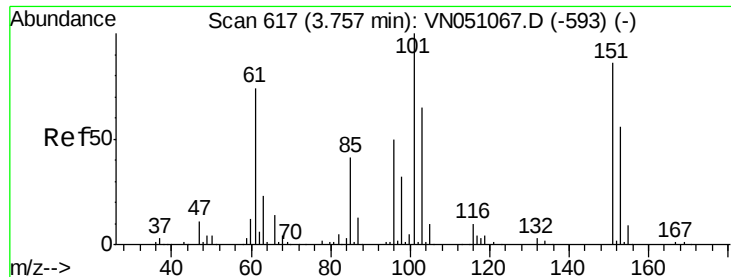


#8

Diethyl Ether
 Concen: 17.97 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

Tgt Ion: 74 Resp: 67011
 Ion Ratio Lower Upper
 74 100
 45 96.7 46.7 140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.90 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS01

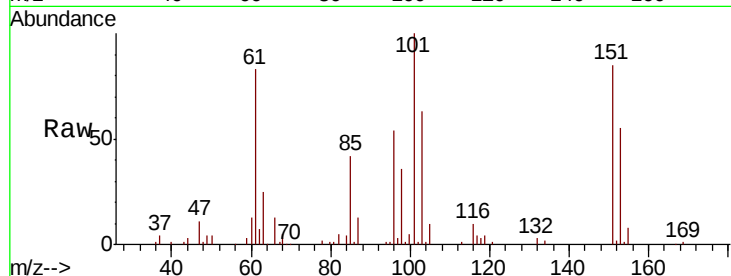
Tot Ion:101 Resp: 110440

Ion Ratio Lower Upper

101 100

85 41.6 33.3 49.9

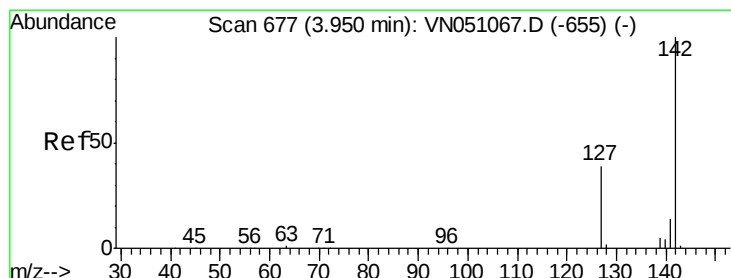
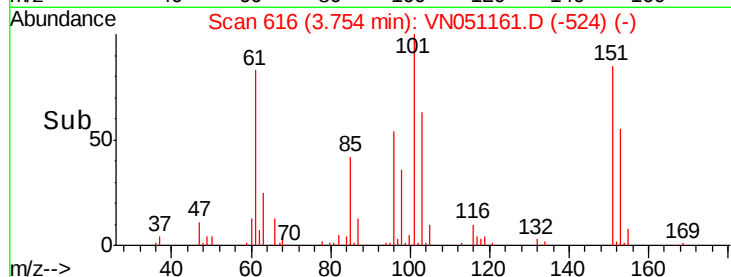
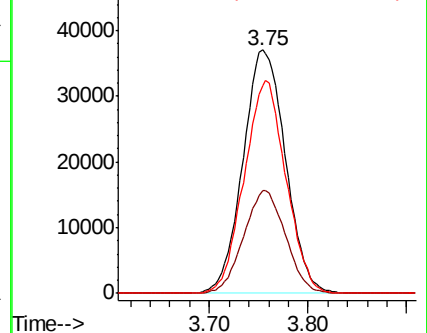
151 85.9 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.76 ug/l

RT: 3.95 min Scan# 677

Delta R.T. 0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

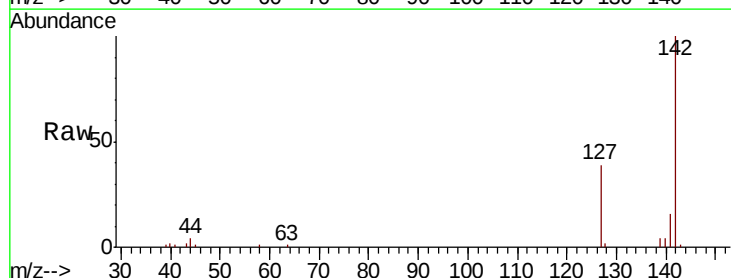
Tgt Ion:142 Resp: 69787

Ion Ratio Lower Upper

142 100

127 39.8 31.0 46.4

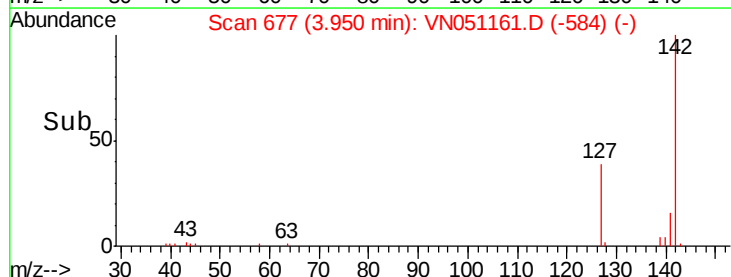
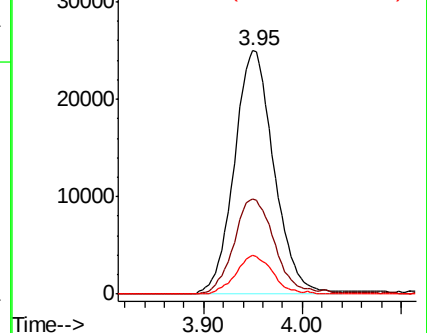
141 14.8 11.3 16.9

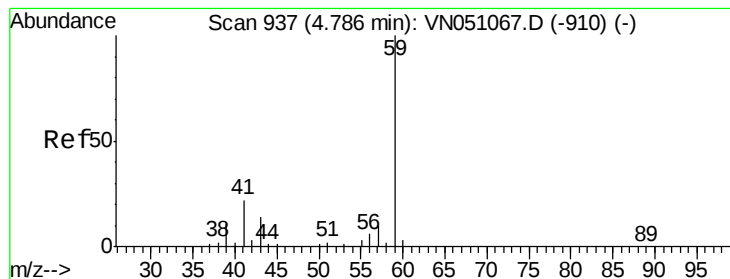


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



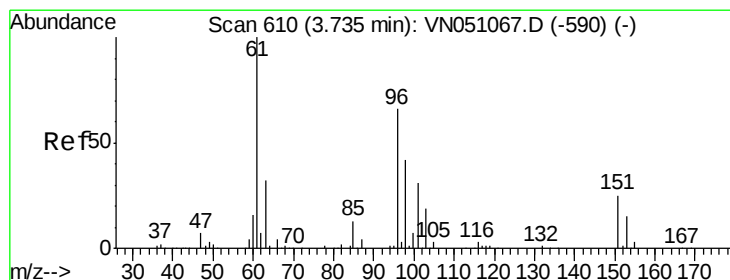
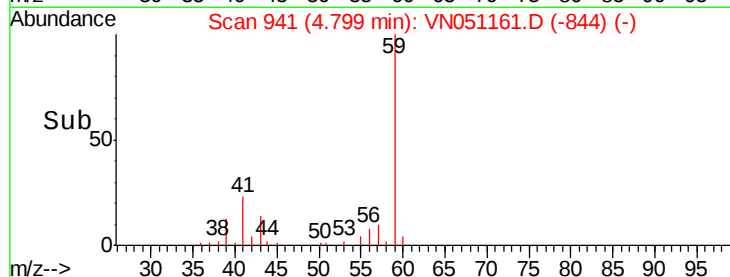
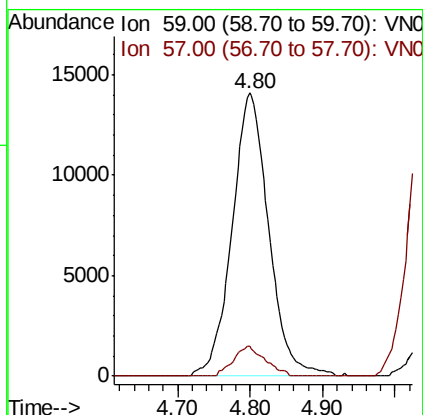
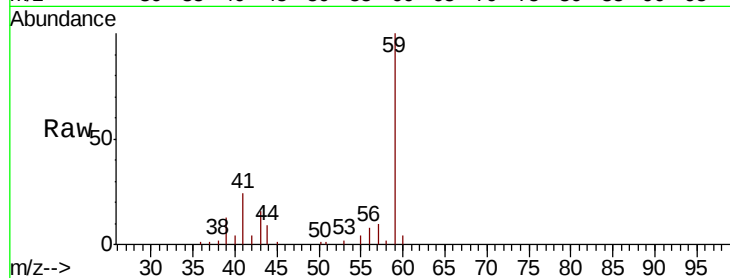


#11

Tert butyl alcohol
 Concen: 100.57 ug/l
 RT: 4.80 min Scan# 941
 Delta R.T. 0.01 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

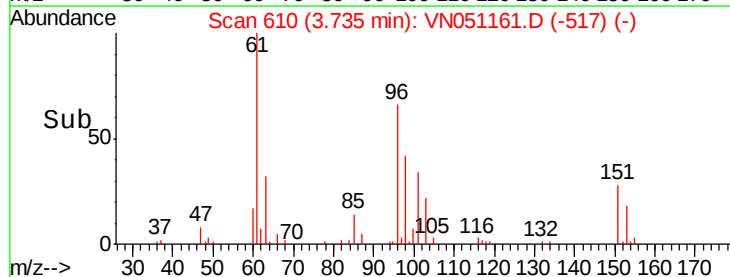
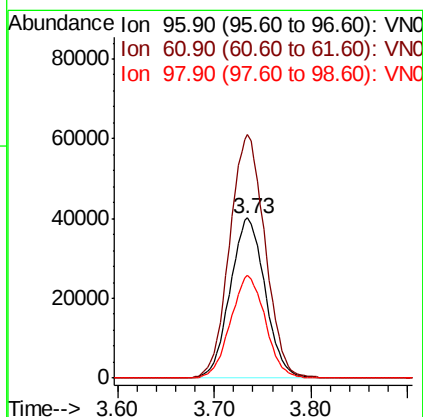
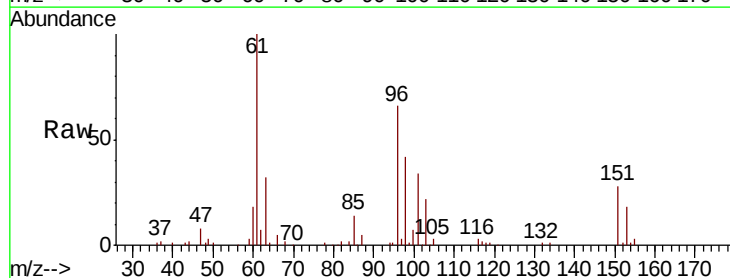
Tot Ion: 59 Resp: 49416
 Ion Ratio Lower Upper
 59 100
 57 9.2 8.1 12.1

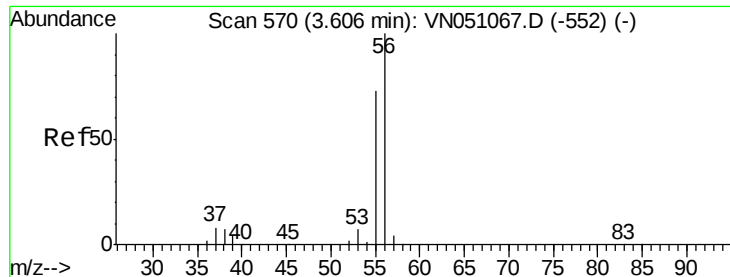


#12

1,1-Dichloroethene
 Concen: 16.36 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

Tgt Ion: 96 Resp: 100893
 Ion Ratio Lower Upper
 96 100
 61 152.0 120.3 180.5
 98 64.1 50.8 76.2





#13

Acrolein

Concen: 91.89 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

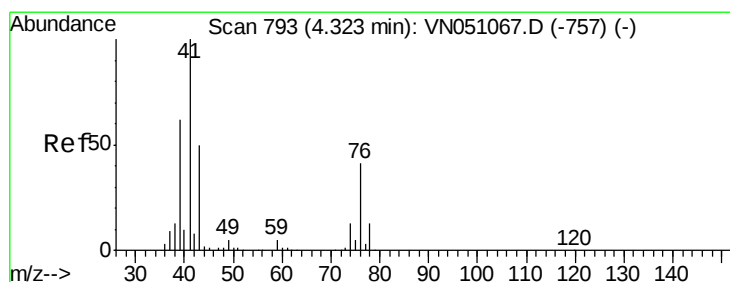
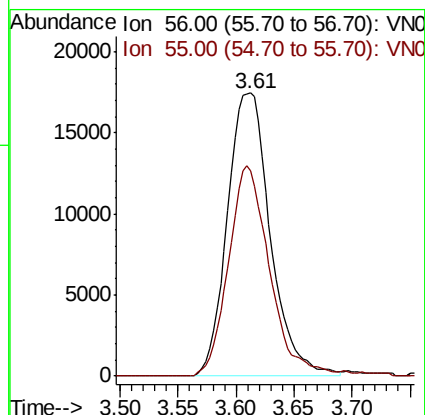
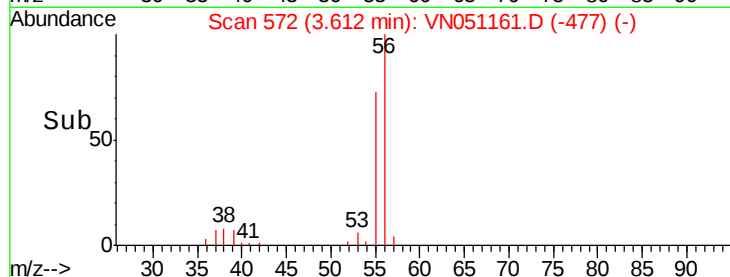
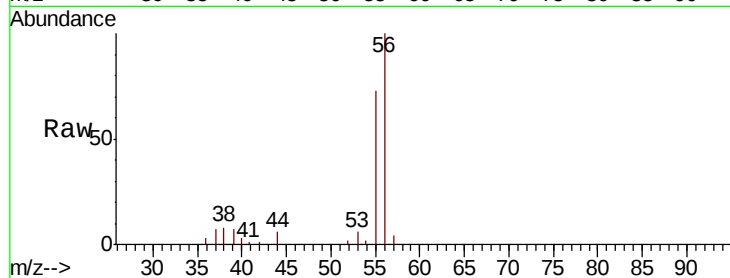
VN0913WBS01

Tot Ion: 56 Resp: 44910

Ion Ratio Lower Upper

56 100

55 70.8 58.0 87.0



#14

Allyl chloride

Concen: 16.52 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

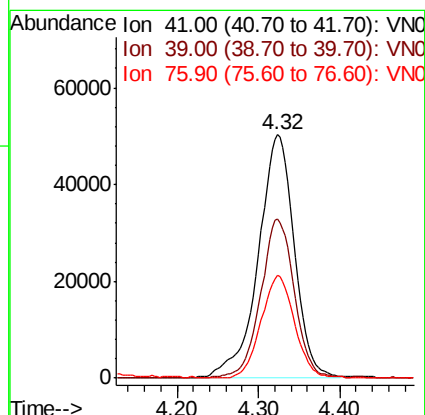
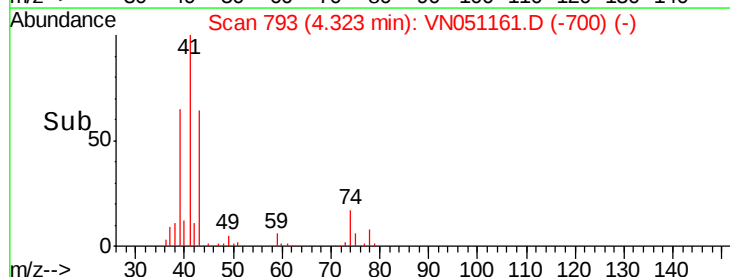
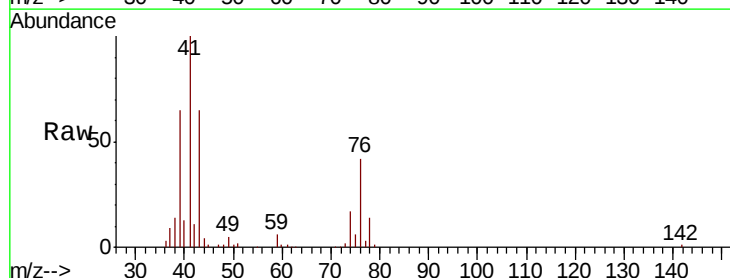
Tgt Ion: 41 Resp: 155208

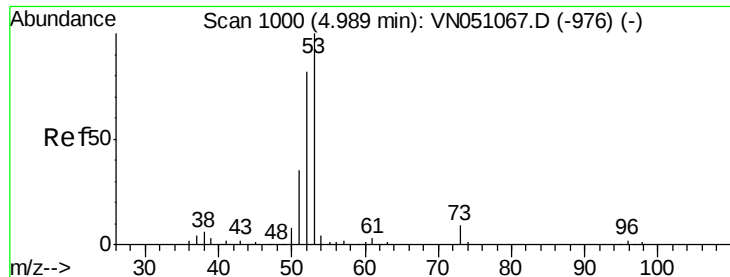
Ion Ratio Lower Upper

41 100

39 61.3 48.8 73.2

76 39.2 30.6 45.8

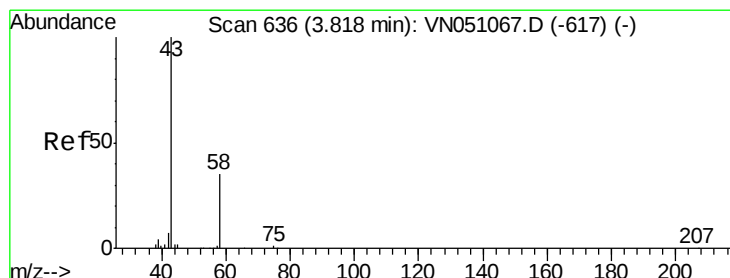
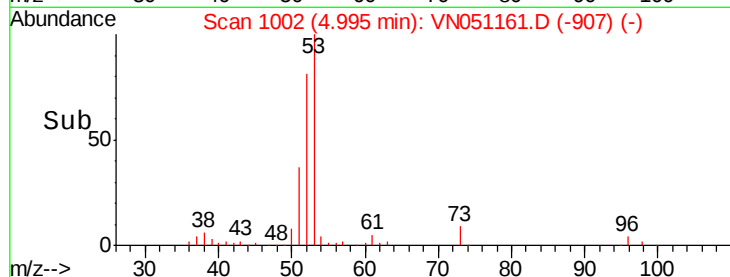
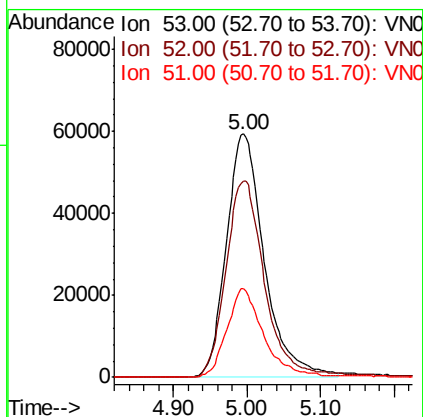
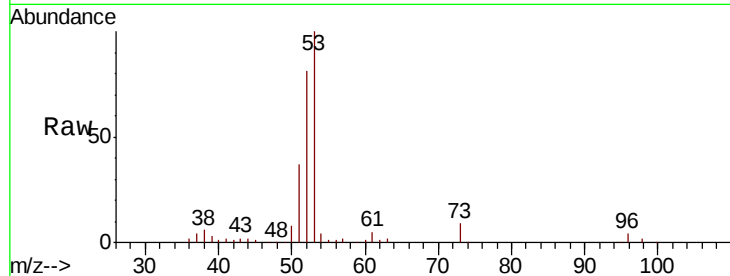




#15
 Acrylonitrile
 Concen: 97.64 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

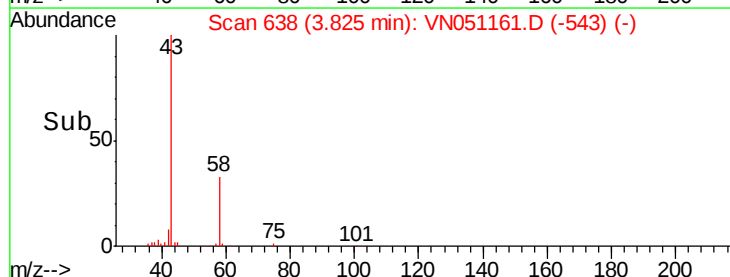
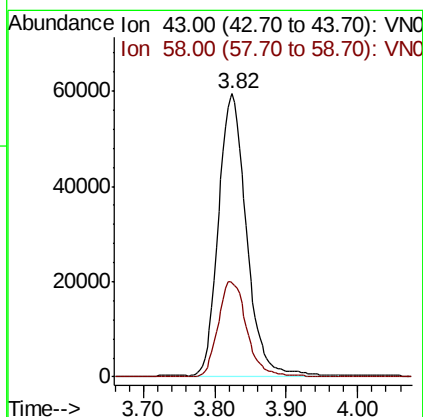
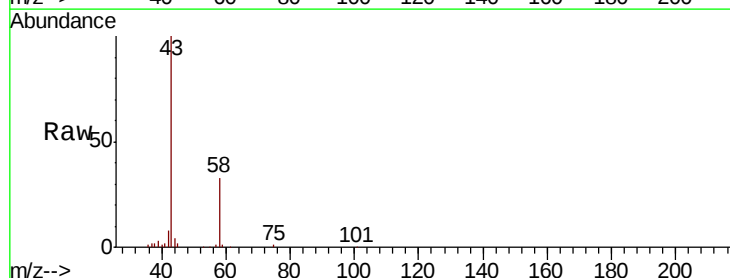
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

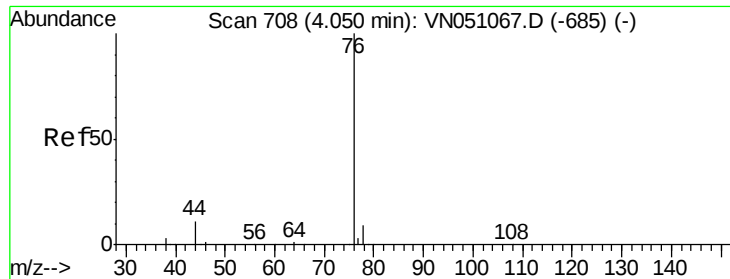
Tot Ion: 53 Resp: 212586
 Ion Ratio Lower Upper
 53 100
 52 82.5 65.3 97.9
 51 35.4 28.2 42.2



#16
 Acetone
 Concen: 97.61 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.01 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

Tgt Ion: 43 Resp: 160923
 Ion Ratio Lower Upper
 43 100
 58 33.1 27.8 41.6

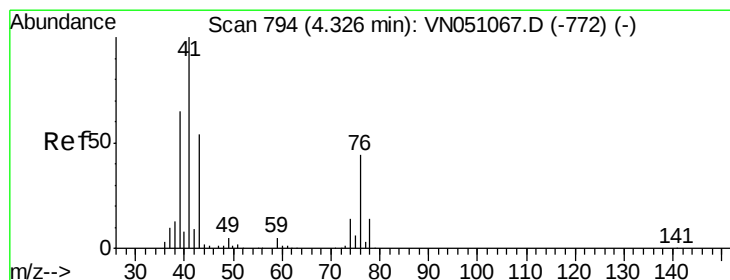
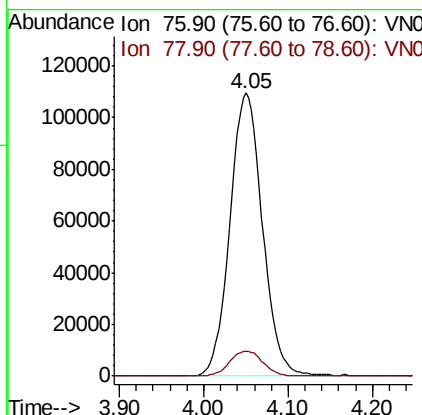
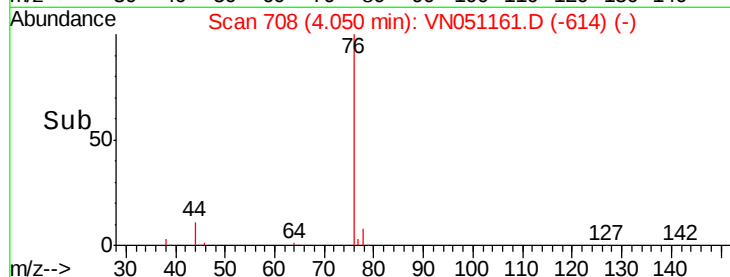
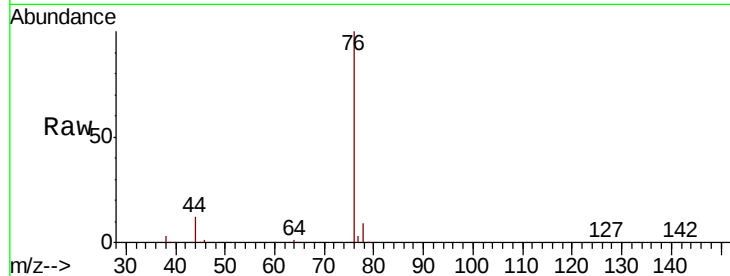




#17
Carbon Disulfide
Concen: 16.23 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

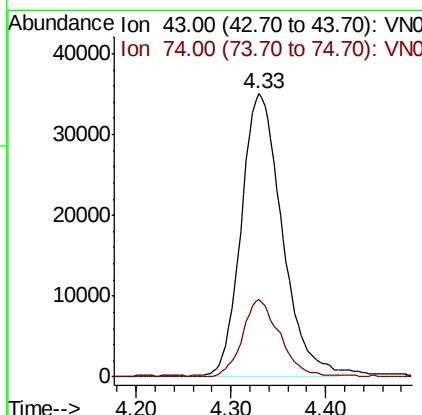
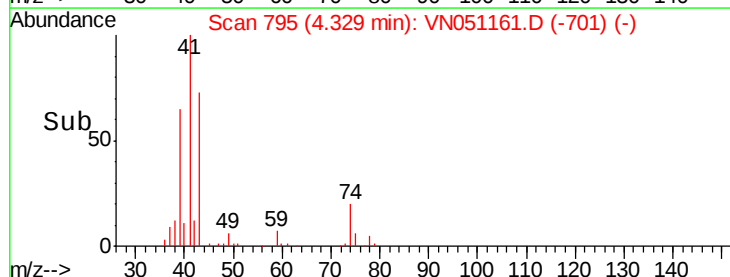
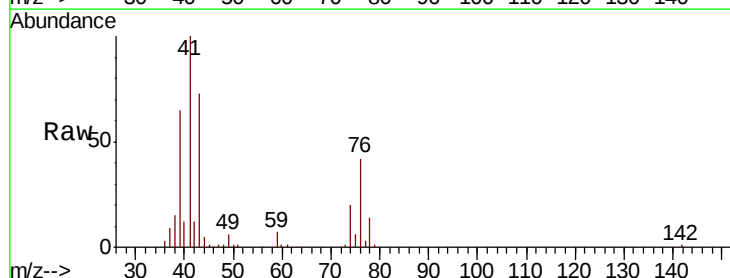
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

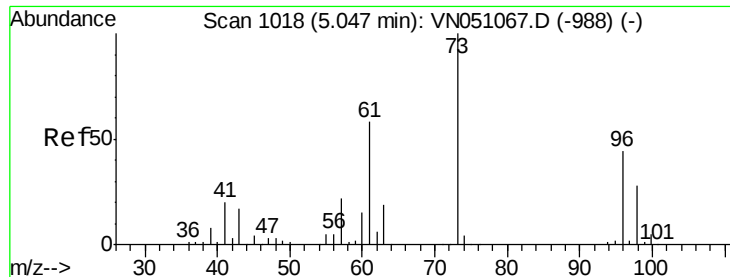
Tot Ion: 76 Resp: 293639
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.6



#18
Methyl Acetate
Concen: 20.45 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Tgt Ion: 43 Resp: 105337
Ion Ratio Lower Upper
43 100
74 24.9 20.7 31.1

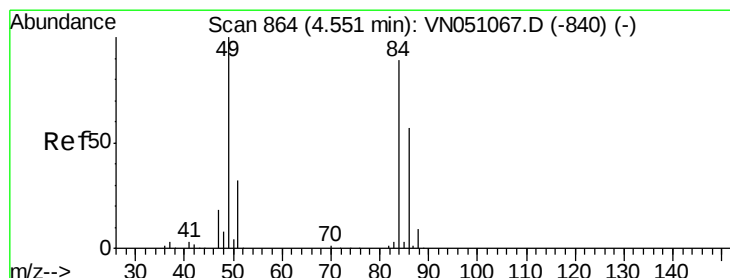
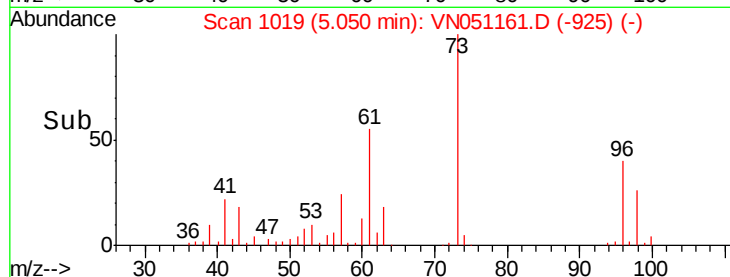
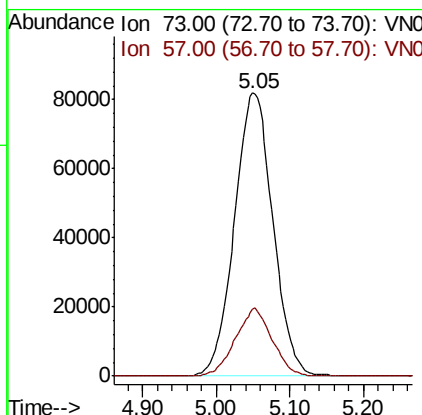
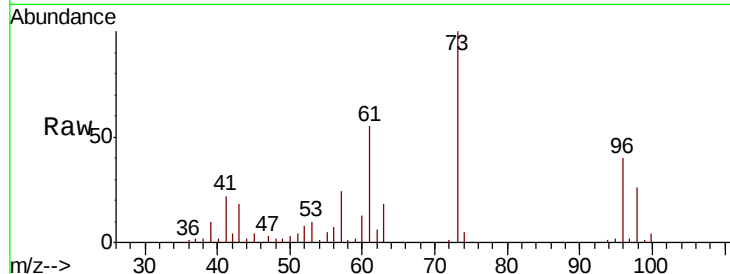




#19
Methyl tert-butyl Ether
Concen: 18.22 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

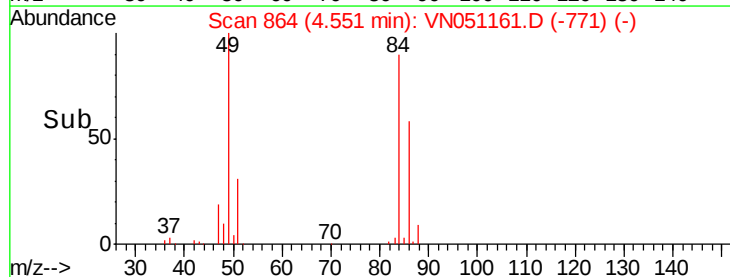
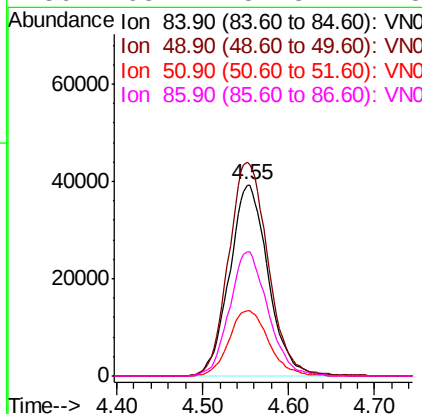
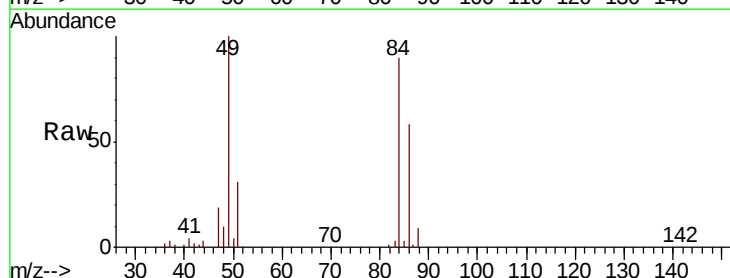
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

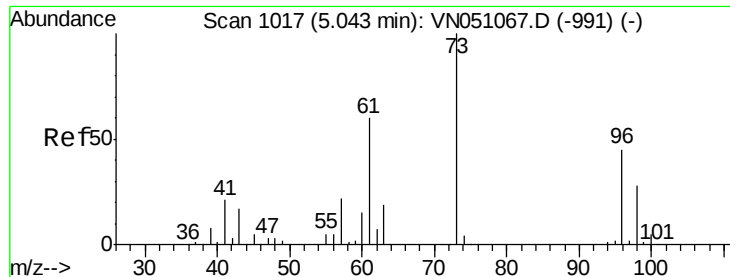
Tot Ion: 73 Resp: 296974
Ion Ratio Lower Upper
73 100
57 23.7 17.9 26.9



#20
Methylene Chloride
Concen: 17.25 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Tgt Ion: 84 Resp: 122552
Ion Ratio Lower Upper
84 100
49 111.6 90.2 135.2
51 34.2 28.4 42.6
86 65.2 51.8 77.8

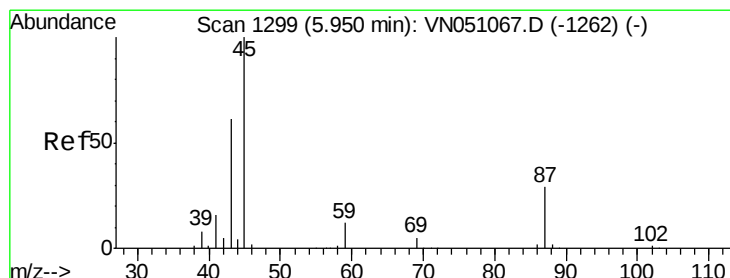
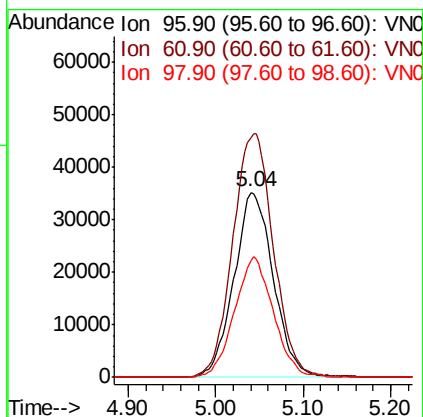
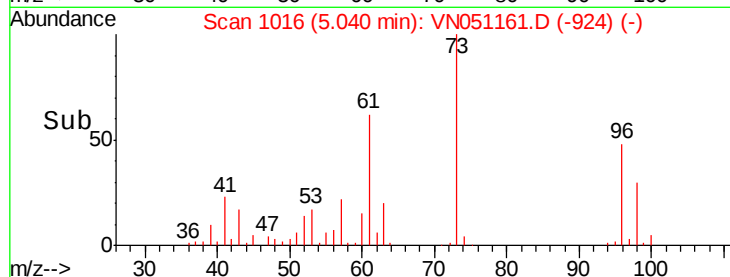
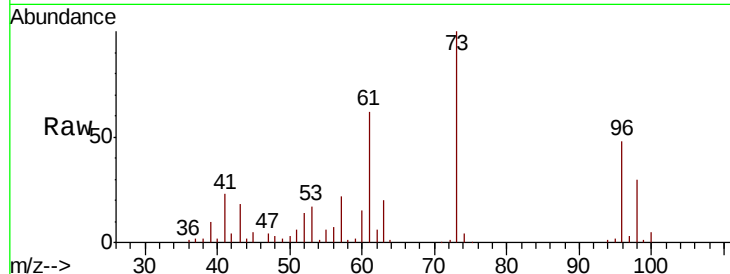




#21
trans-1,2-Dichloroethene
Concen: 16.42 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

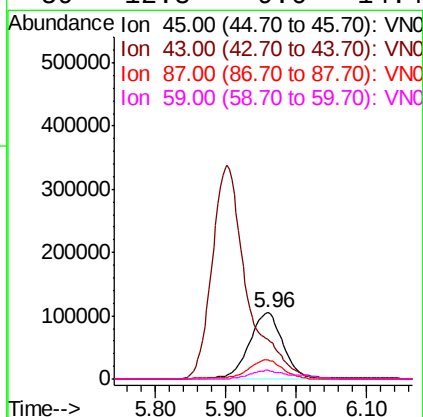
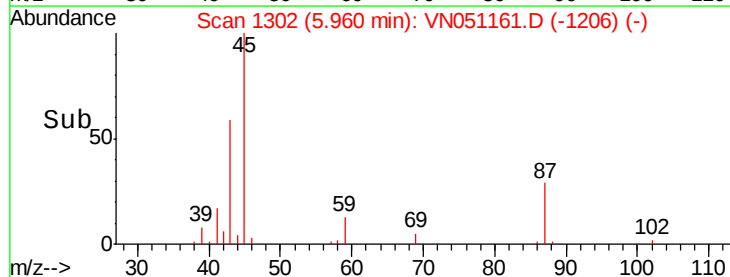
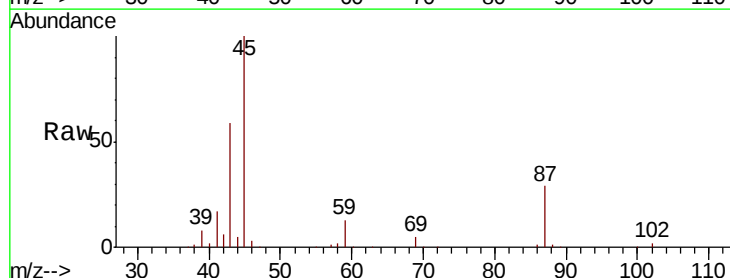
Instrument :
MSVOA_N
ClientSampled :
VN0913WBS01

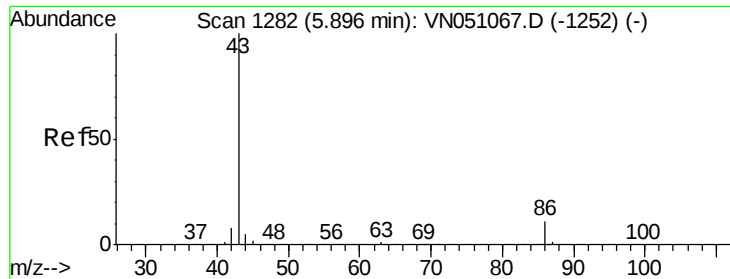
Tot Ion: 96 Resp: 109816
Ion Ratio Lower Upper
96 100
61 129.8 106.5 159.7
98 63.6 50.4 75.6



#22
Diisopropyl ether
Concen: 18.76 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Tgt Ion: 45 Resp: 349808
Ion Ratio Lower Upper
45 100
43 57.5 48.8 73.2
87 29.1 23.8 35.8
59 12.8 9.6 14.4

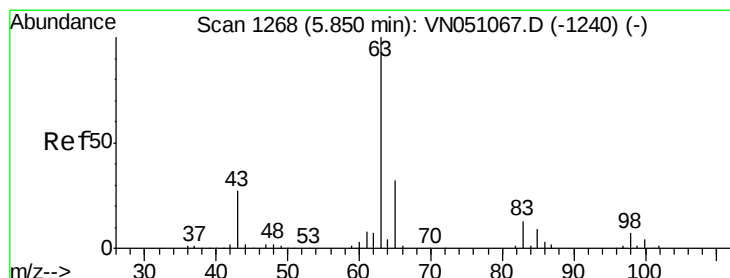
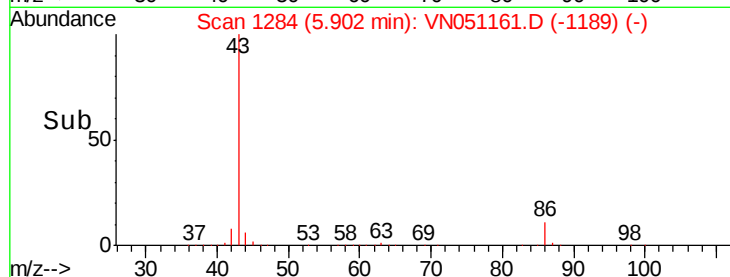
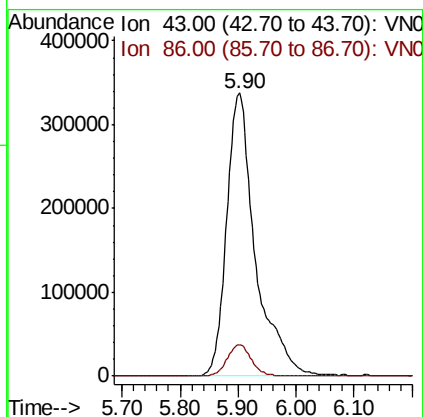
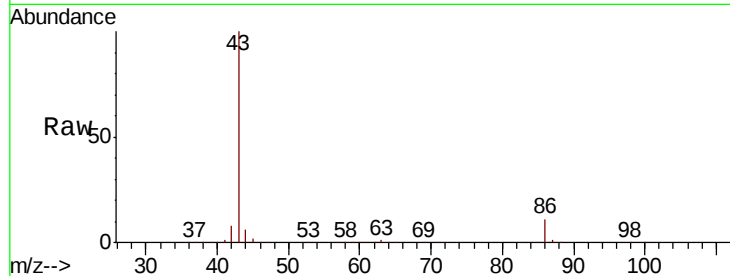




#23
 Vinyl Acetate
 Concen: 92.31 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.01 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

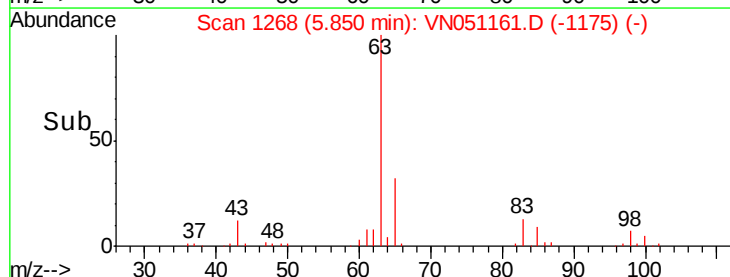
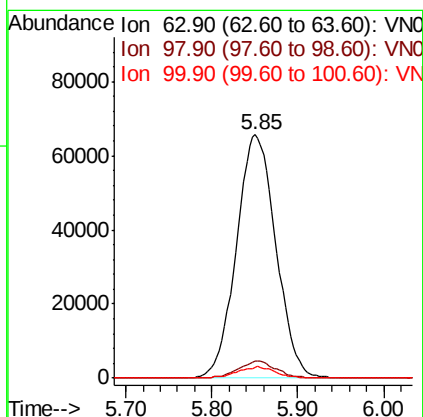
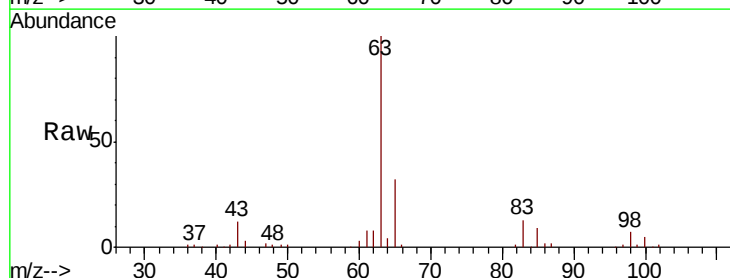
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

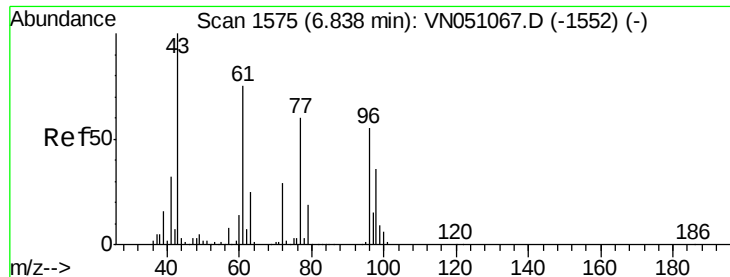
Tot Ion: 43 Resp: 1164904
 Ion Ratio Lower Upper
 43 100
 86 11.1 9.2 13.8



#24
 1,1-Dichloroethane
 Concen: 17.68 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

Tgt Ion: 63 Resp: 209234
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.4 10.1
 100 4.5 2.1 6.3

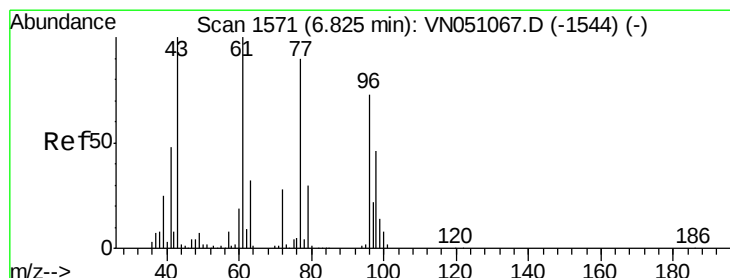
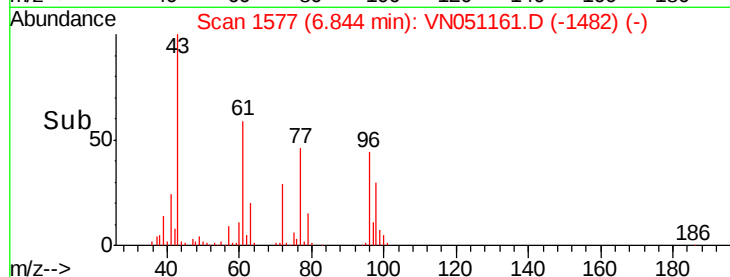
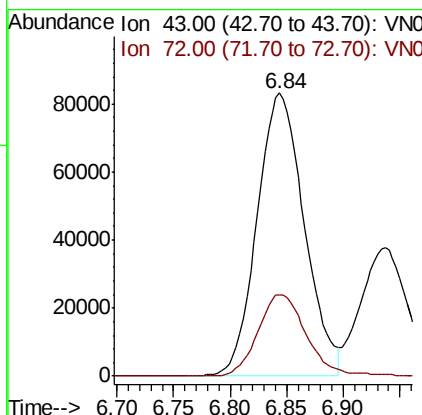
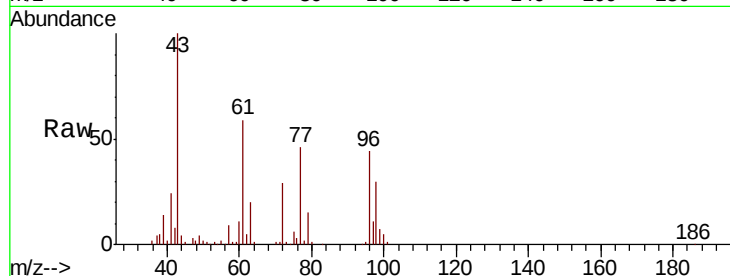




#25
2-Butanone
Concen: 94.81 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

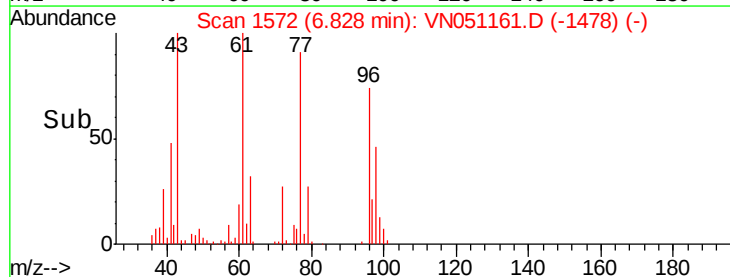
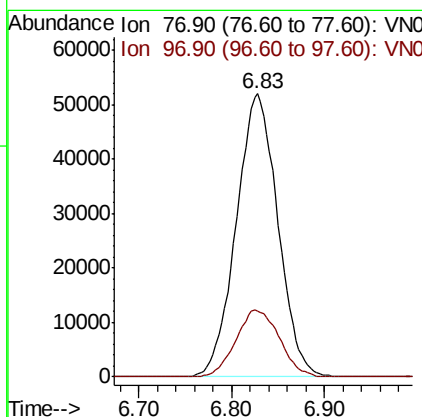
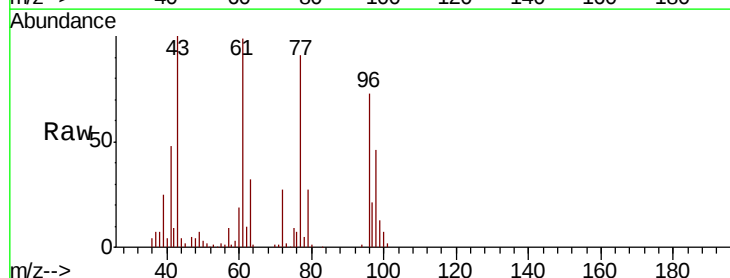
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

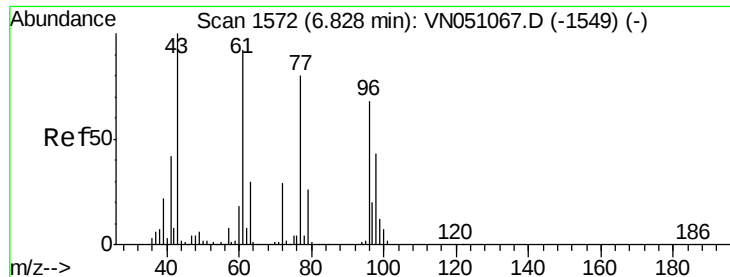
Tot Ion: 43 Resp: 239799
Ion Ratio Lower Upper
43 100
72 28.9 23.0 34.6



#26
2,2-Dichloropropane
Concen: 16.72 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Tgt Ion: 77 Resp: 161935
Ion Ratio Lower Upper
77 100
97 24.8 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 17.07 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS01

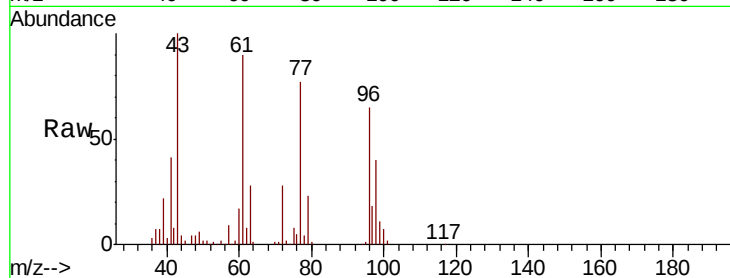
Tot Ion: 96 Resp: 125228

Ion Ratio Lower Upper

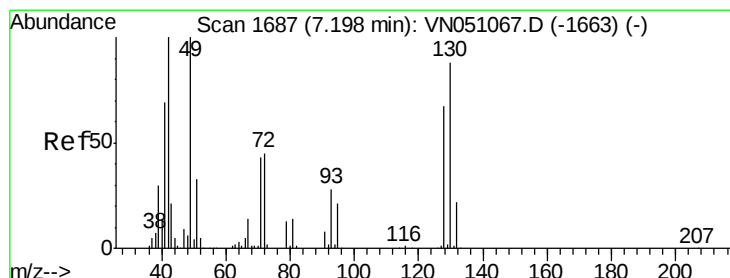
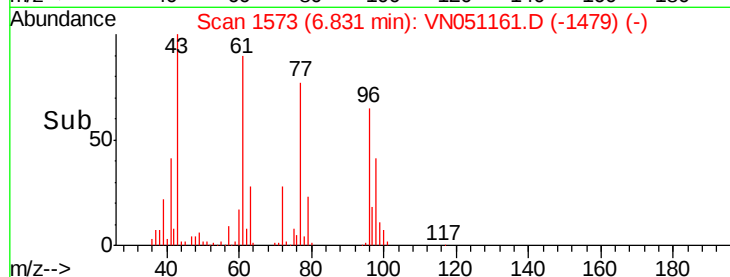
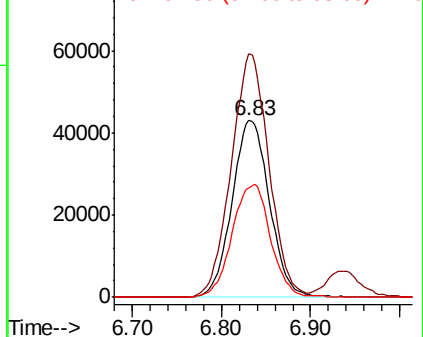
96 100

61 138.1 0.0 278.2

98 65.5 0.0 129.4



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



#28

Bromochloromethane

Concen: 19.65 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

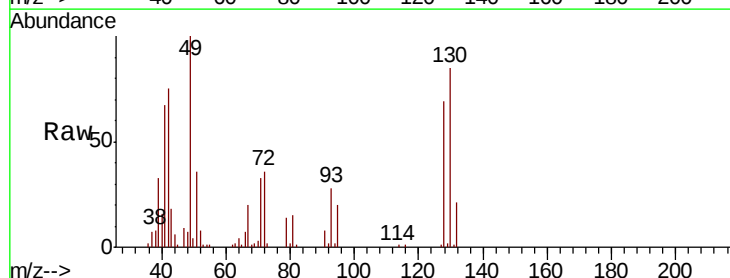
Tgt Ion: 49 Resp: 103495

Ion Ratio Lower Upper

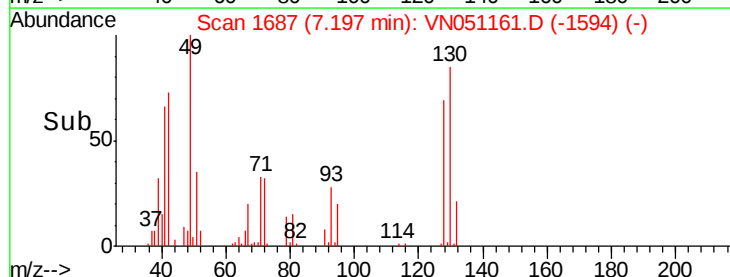
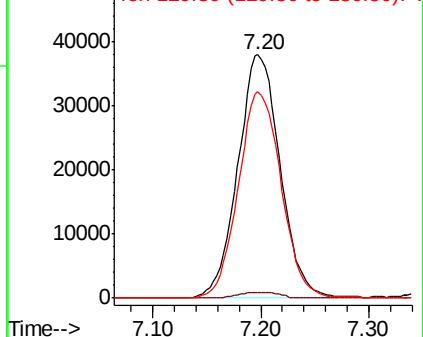
49 100

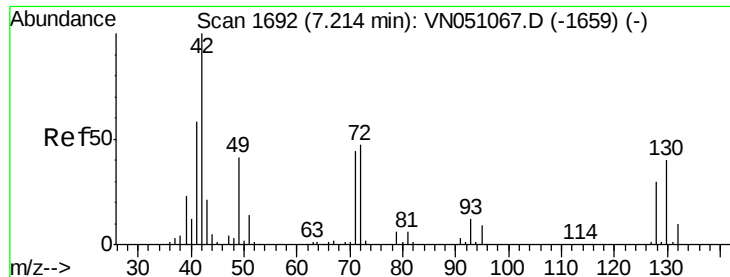
129 2.2 0.0 4.4

130 85.6 70.7 106.1



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





#29

Tetrahydrofuran

Concen: 101.30 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS01

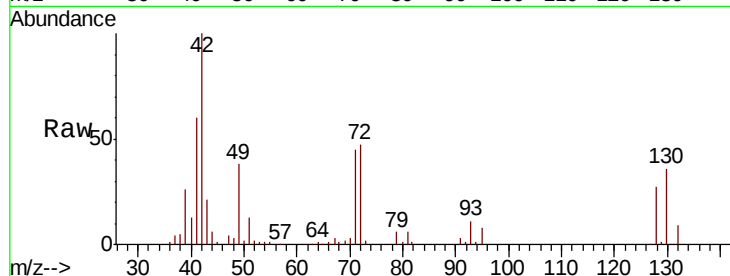
Tot Ion: 42 Resp: 159993

Ion Ratio Lower Upper

42 100

72 46.3 37.4 56.0

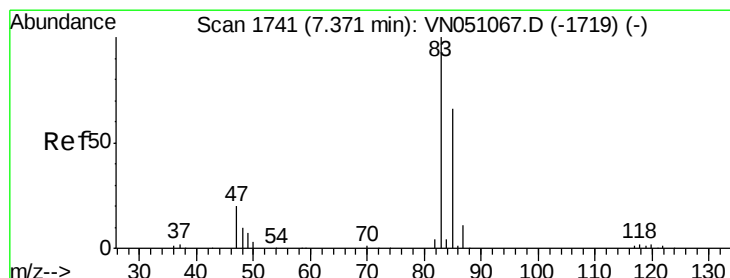
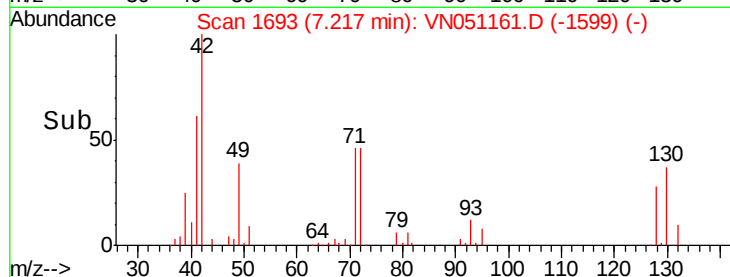
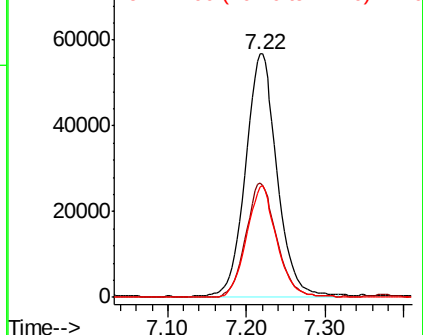
71 43.9 34.7 52.1



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: 17.95 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN051161.D

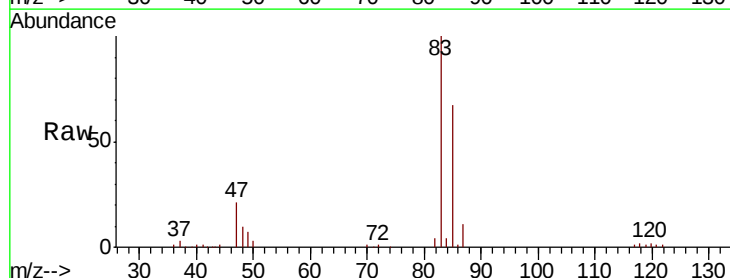
Acq: 13 Sep 2018 10:38

Tgt Ion: 83 Resp: 211252

Ion Ratio Lower Upper

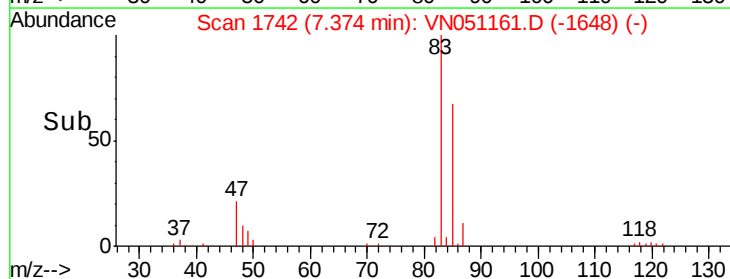
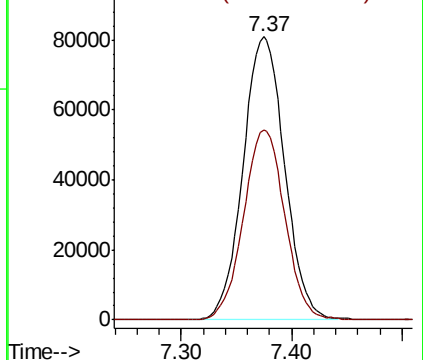
83 100

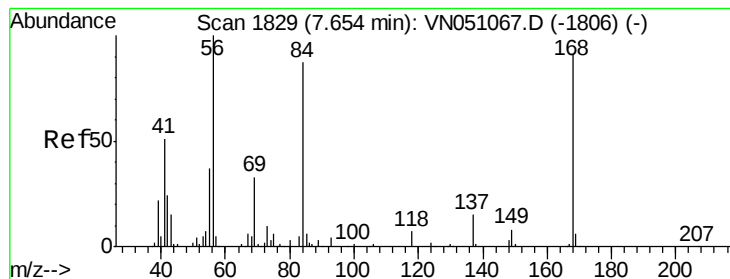
85 67.2 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cvclohexane

Concen: 16.44 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS01

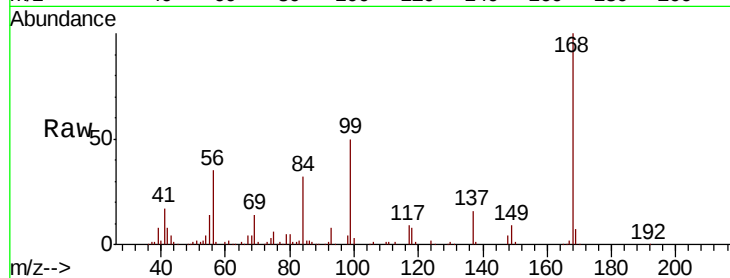
Tot Ion: 56 Resp: 175104

Ion Ratio Lower Upper

56 100

69 39.5 26.3 39.5

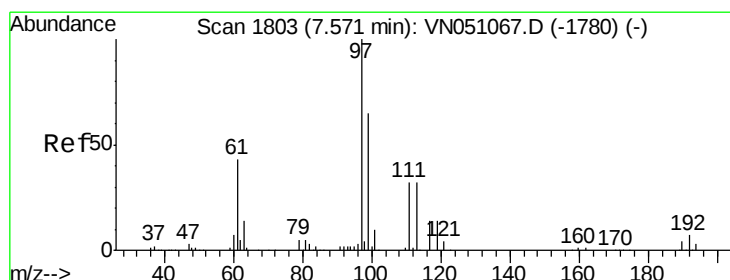
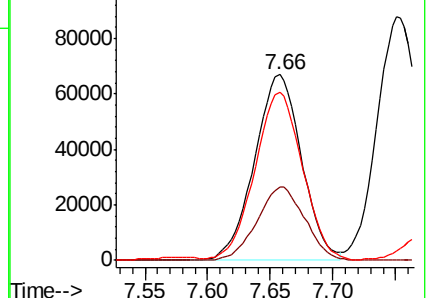
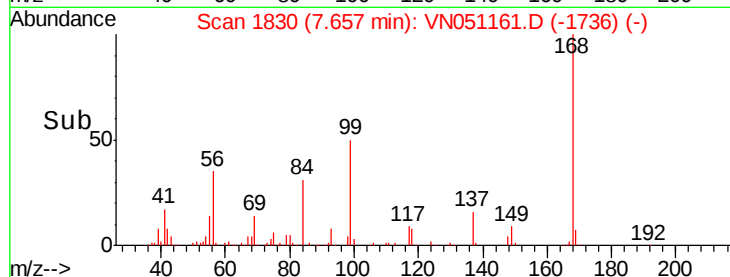
84 89.4 69.4 104.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 17.86 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

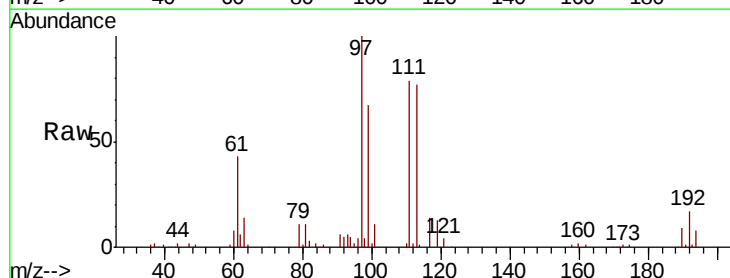
Tgt Ion: 97 Resp: 179093

Ion Ratio Lower Upper

97 100

99 64.2 51.6 77.4

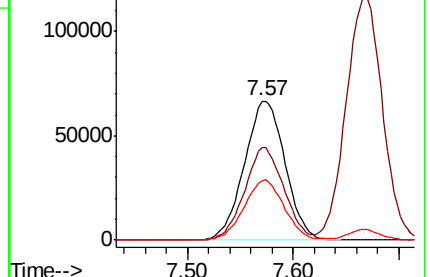
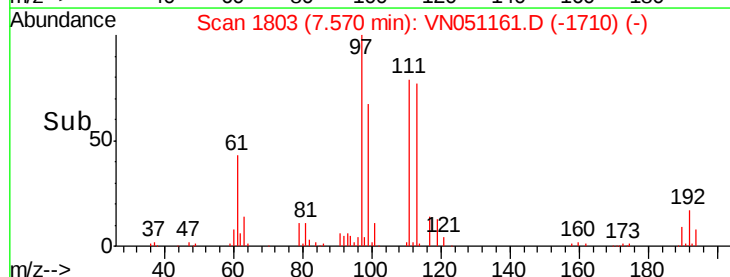
61 42.7 33.8 50.6

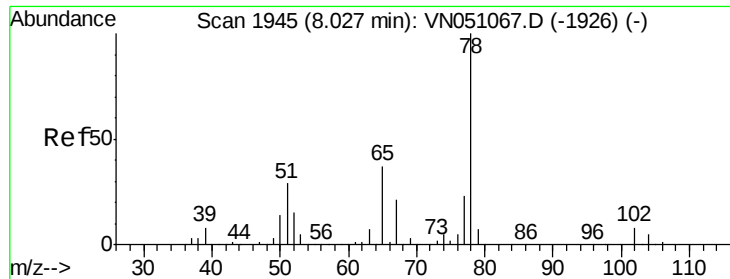


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

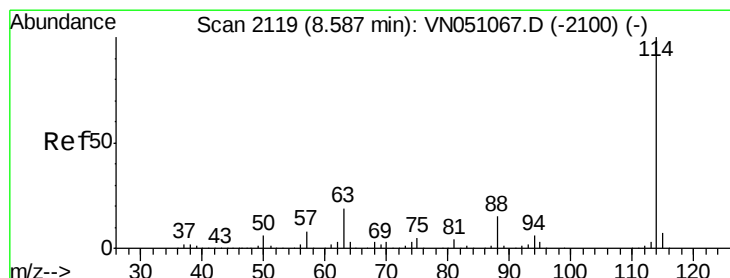
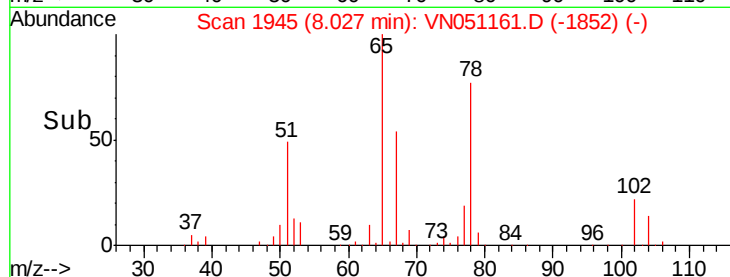
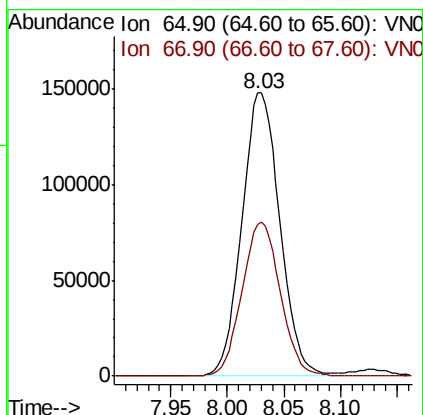
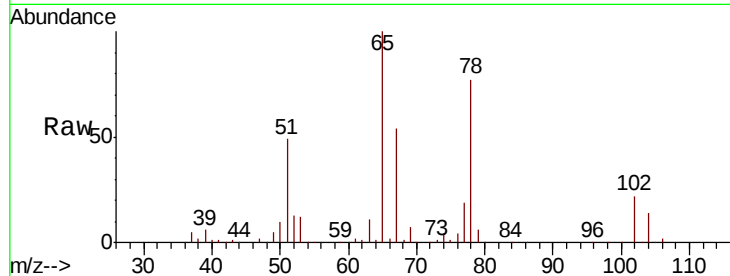




#33
 1,2-Dichloroethane-d4
 Concen: 53.68 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

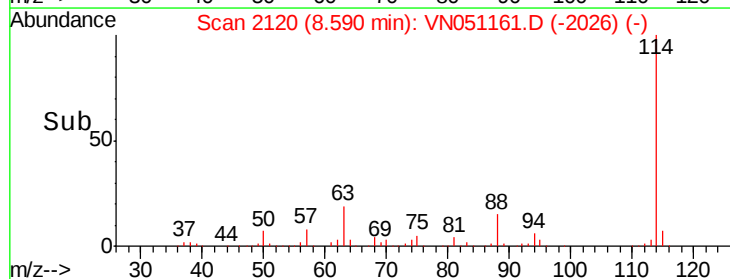
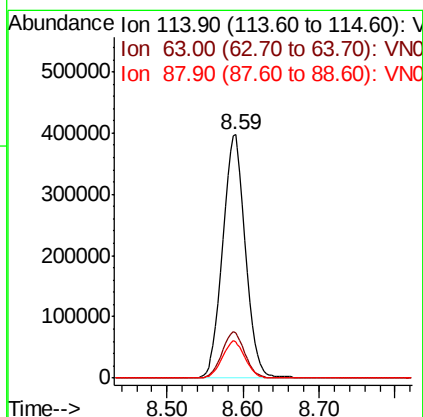
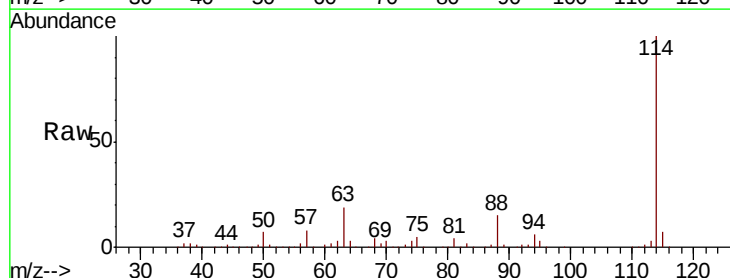
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

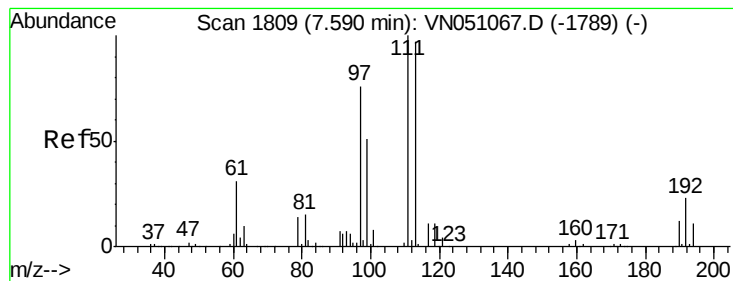
Tot Ion: 65 Resp: 345332
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

Tgt Ion: 114 Resp: 829794
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 37.8
 88 15.0 0.0 30.8





#35

Dibromofluoromethane

Concen: 53.21 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS01

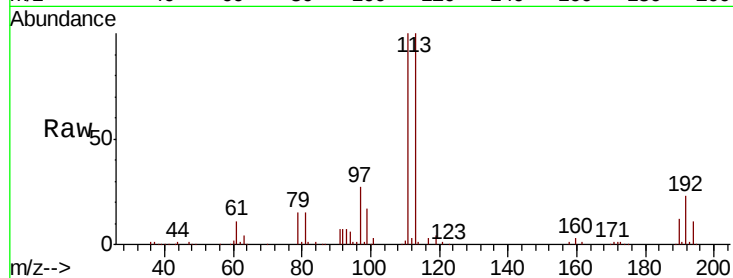
Tot Ion:113 Resp: 331793

Ion Ratio Lower Upper

113 100

111 102.1 83.0 124.6

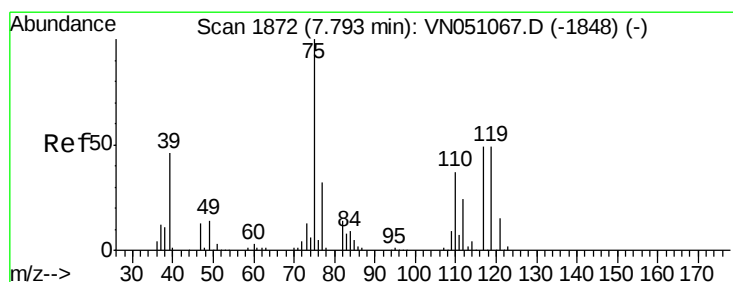
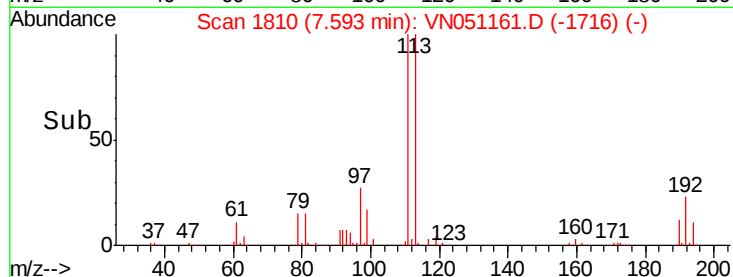
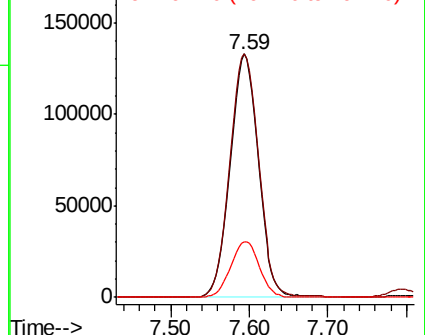
192 23.2 18.7 28.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 17.02 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

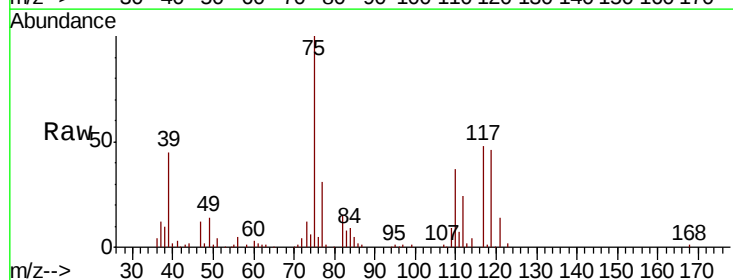
Tgt Ion: 75 Resp: 155028

Ion Ratio Lower Upper

75 100

110 37.7 18.6 55.8

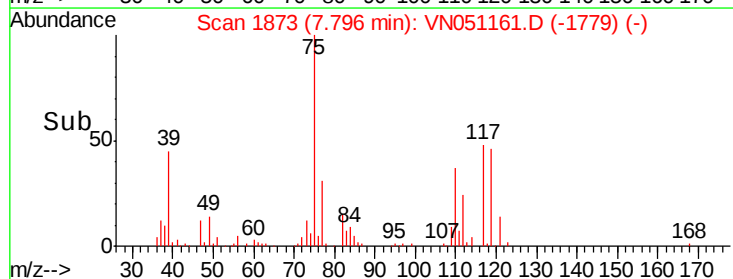
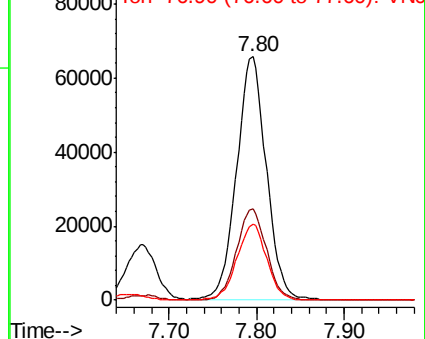
77 31.4 25.2 37.8

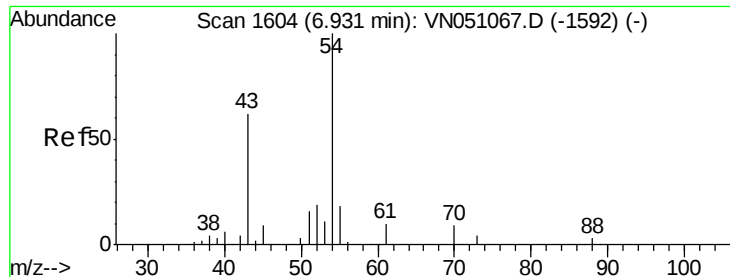


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

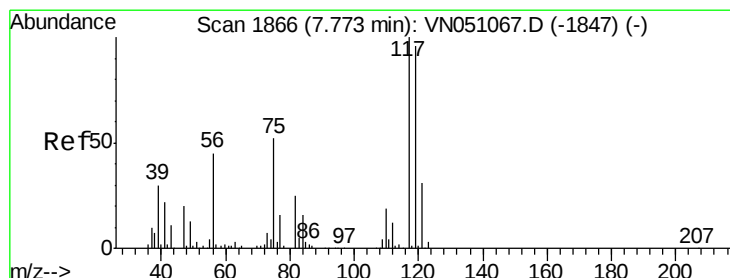
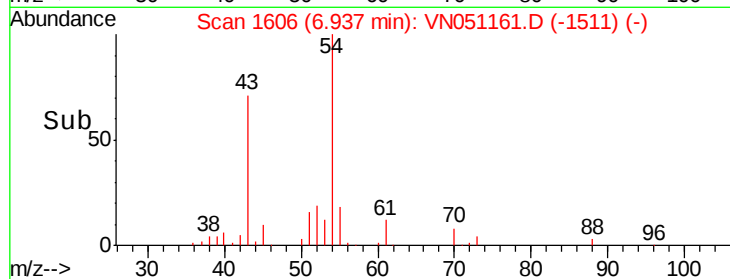
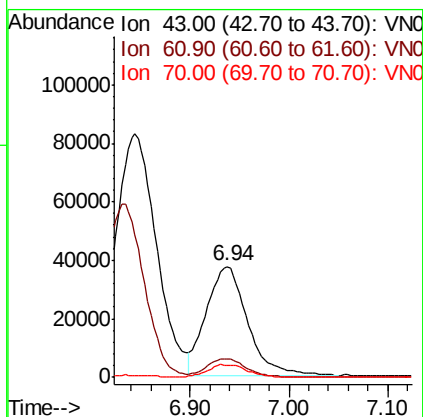
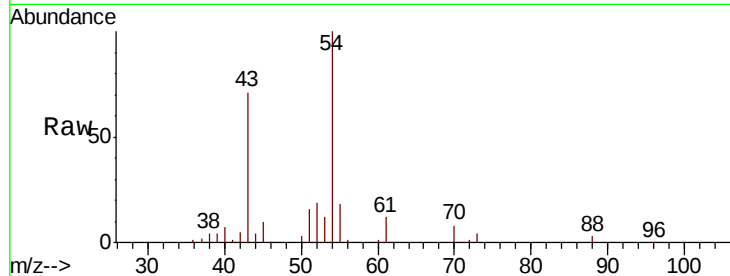




#37
Ethyl Acetate
Concen: 20.66 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

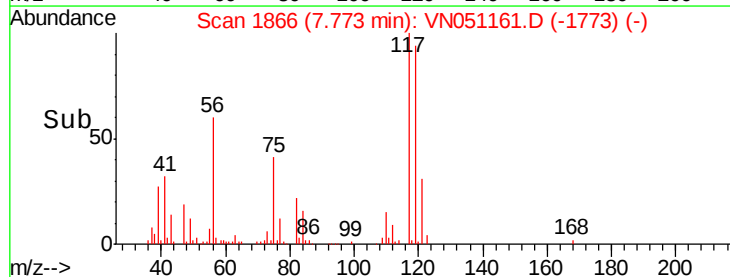
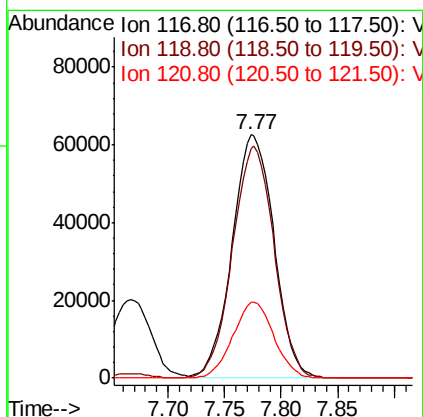
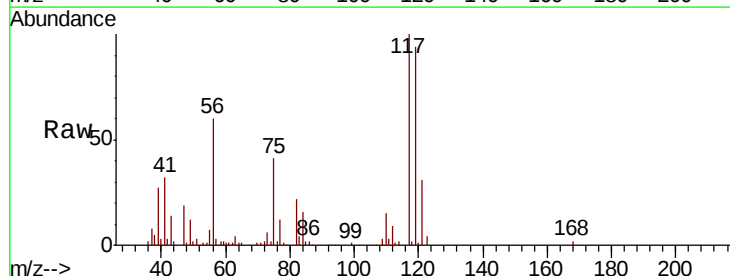
Instrument :
MSVOA_N
ClientSampled :
VN0913WBS01

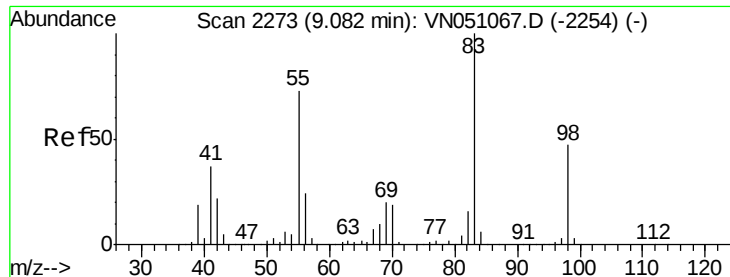
Tot Ion: 43 Resp: 109007
Ion Ratio Lower Upper
43 100
61 16.3 12.4 18.6
70 11.3 9.3 13.9



#38
Carbon Tetrachloride
Concen: 17.97 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Tgt Ion: 117 Resp: 161166
Ion Ratio Lower Upper
117 100
119 94.1 76.8 115.2
121 31.1 24.6 36.8

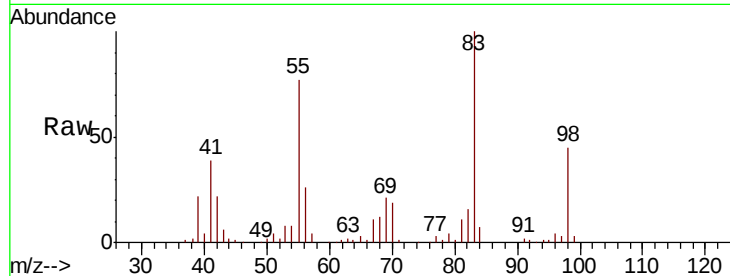




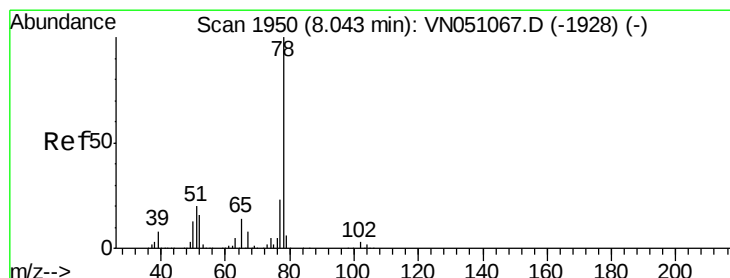
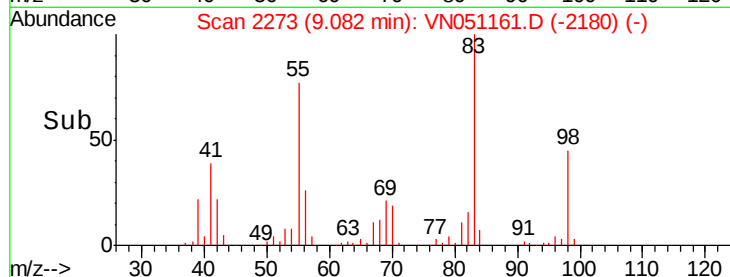
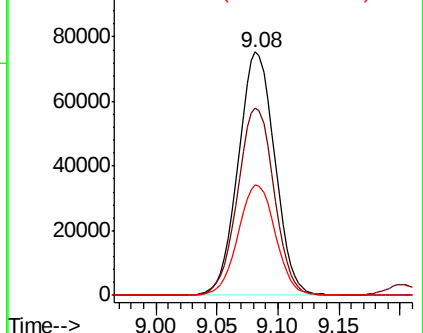
#39
Methvlcvclohexane
Concen: 15.58 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

Tot Ion: 83 Resp: 156622
Ion Ratio Lower Upper
83 100
55 77.1 58.4 87.6
98 45.4 37.3 55.9

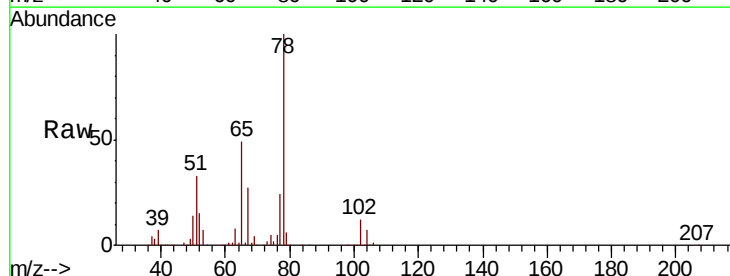


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

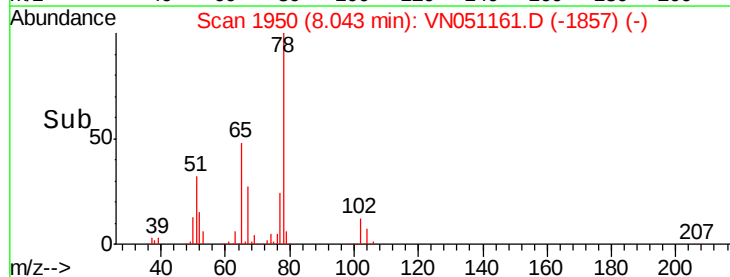
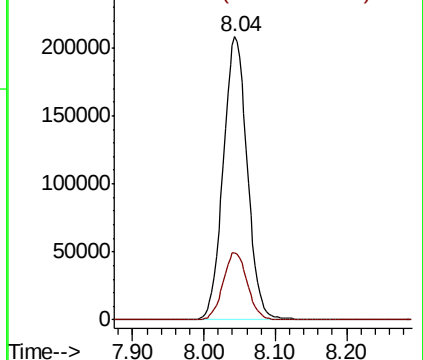


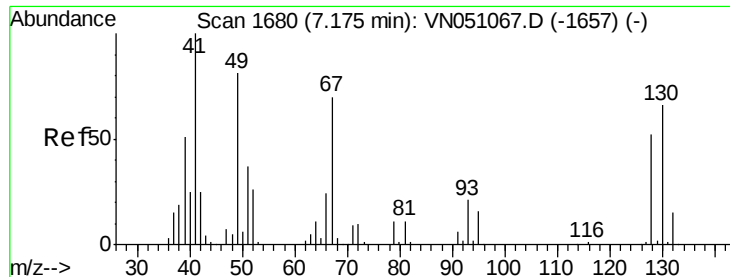
#40
Benzene
Concen: 17.77 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Tgt Ion: 78 Resp: 487762
Ion Ratio Lower Upper
78 100
77 23.8 18.6 27.8



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 17.50 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampled :
VN0913WBS01

Tot Ion: 41 Resp: 47635

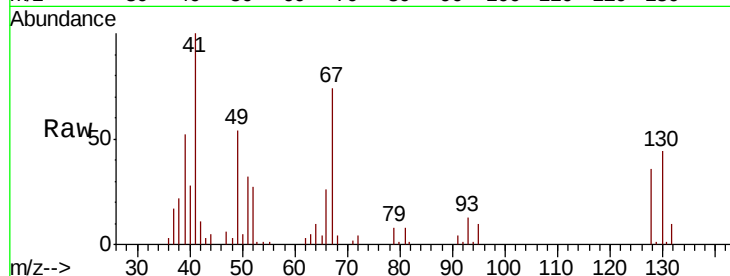
Ion Ratio Lower Upper

41 100

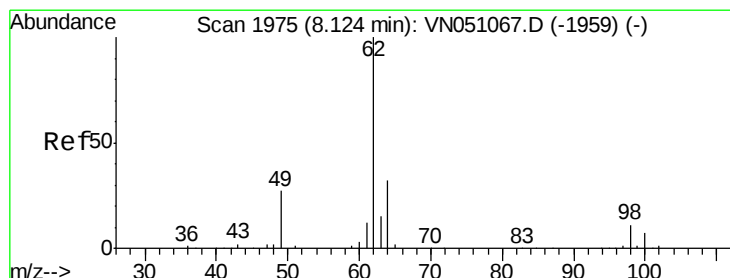
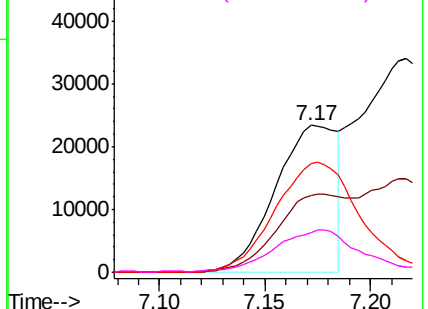
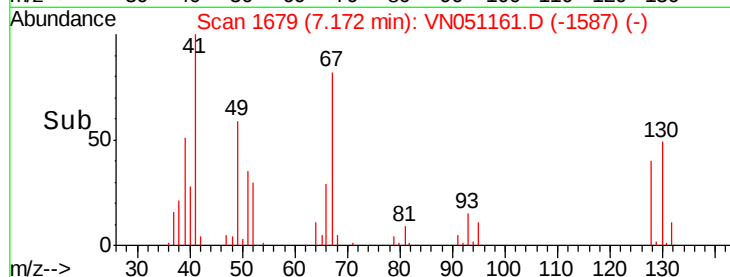
39 61.9 51.3 76.9

67 103.3 78.5 117.7

52 41.0 29.0 43.6



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



#42

1,2-Dichloroethane

Concen: 18.34 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN051161.D

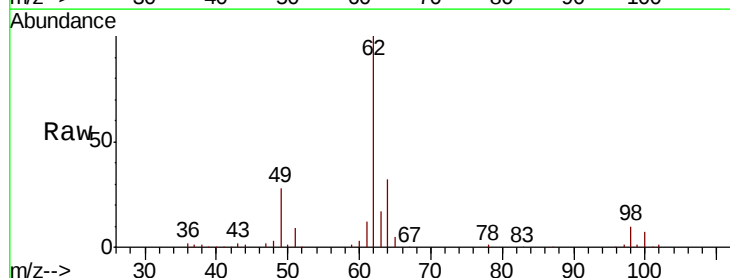
Acq: 13 Sep 2018 10:38

Tgt Ion: 62 Resp: 146745

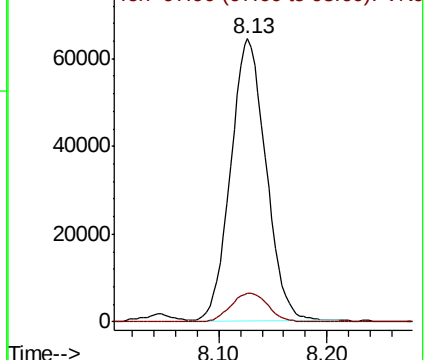
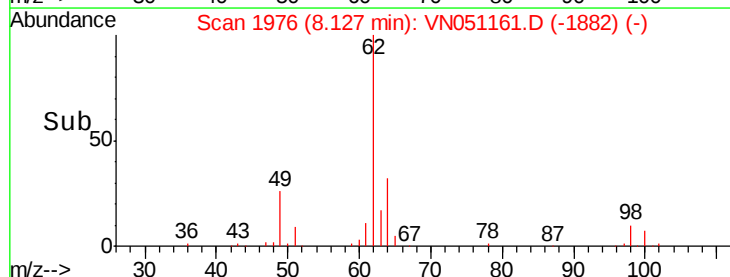
Ion Ratio Lower Upper

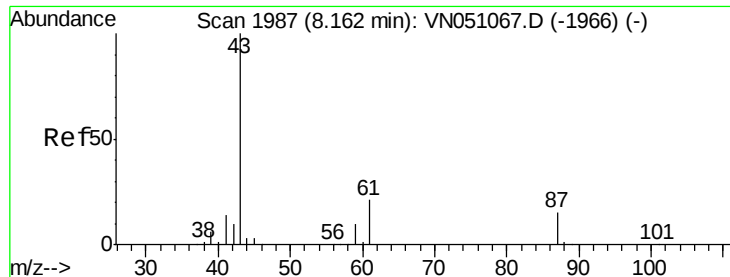
62 100

98 10.7 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: 19.77 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS01

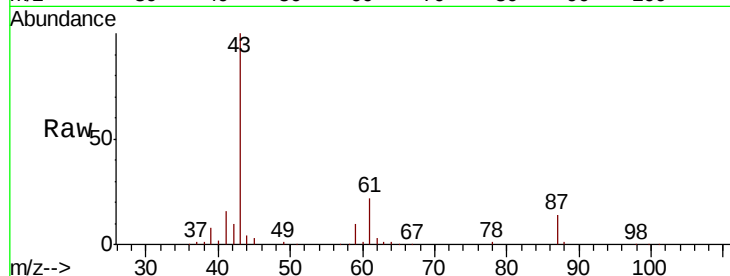
Tot Ion: 43 Resp: 184058

Ion Ratio Lower Upper

43 100

61 22.5 25.0 37.6#

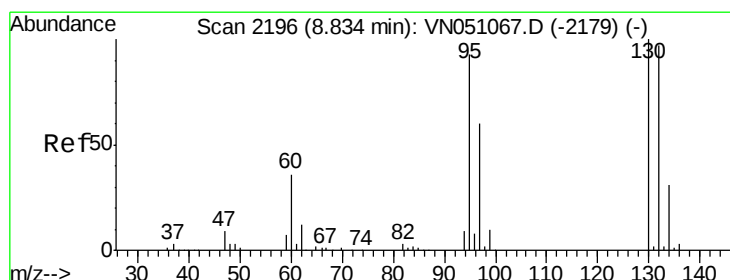
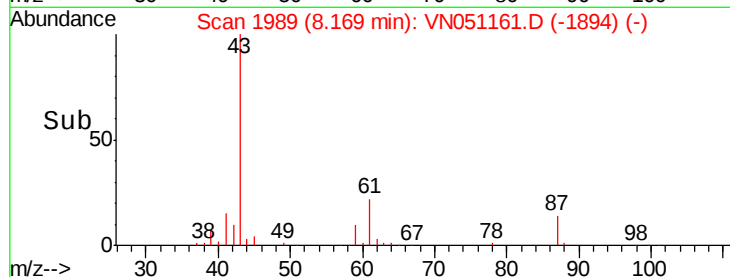
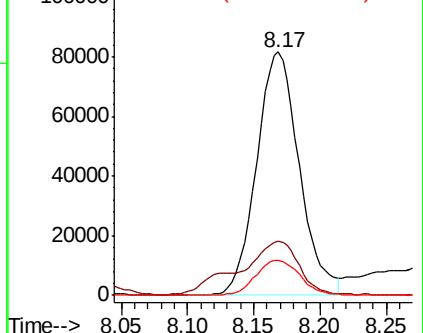
87 14.9 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VN051161.D (-1989) (-)

Ion 61.00 (60.70 to 61.70): VN051161.D (-1989) (-)

Ion 87.00 (86.70 to 87.70): VN051161.D (-1989) (-)



#44

Trichloroethene

Concen: 17.18 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051161.D

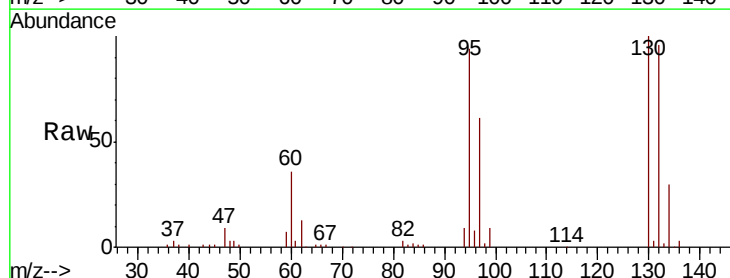
Acq: 13 Sep 2018 10:38

Tgt Ion:130 Resp: 129024

Ion Ratio Lower Upper

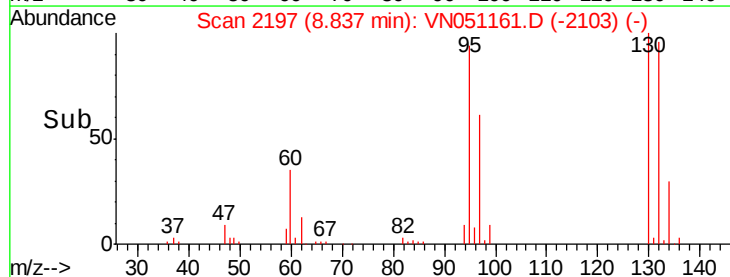
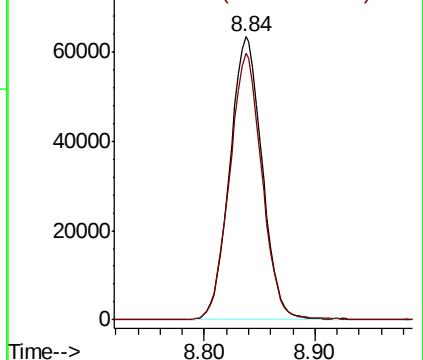
130 100

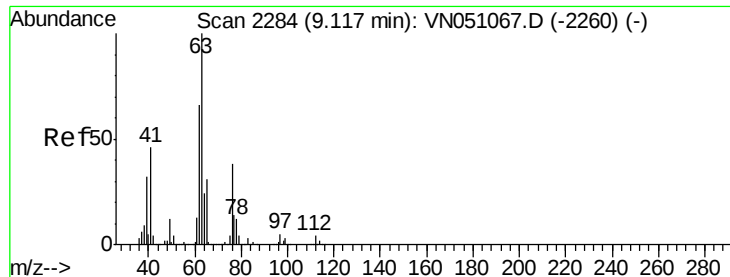
95 94.1 0.0 186.2



Abundance Ion 129.80 (129.50 to 130.50): VN051161.D (-2197) (-)

Ion 94.90 (94.60 to 95.60): VN051161.D (-2197) (-)

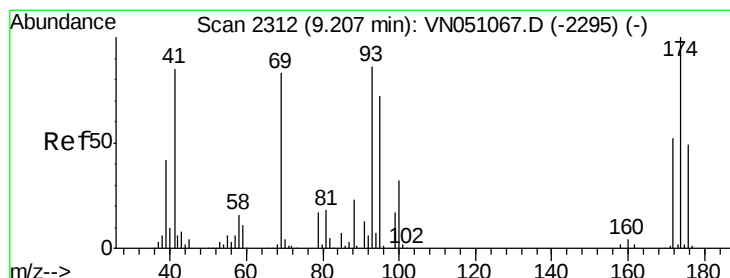
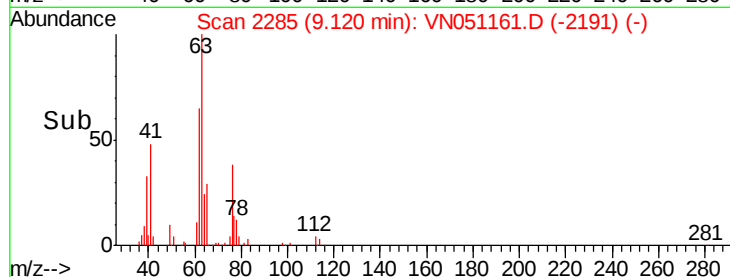
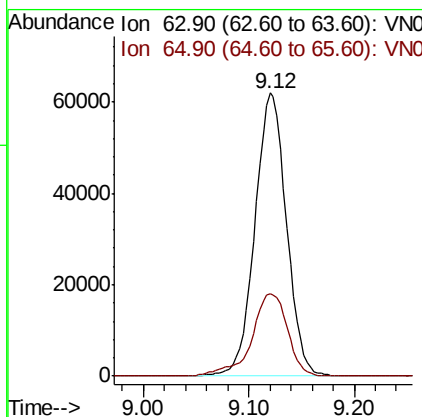
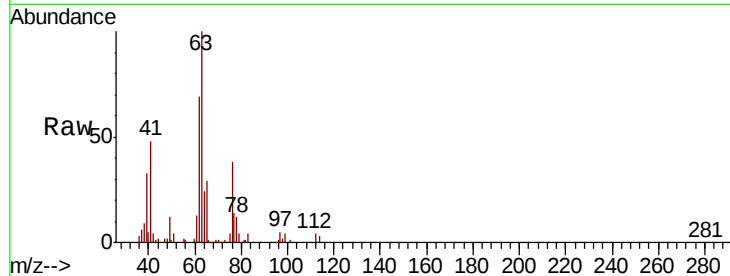




#45
 1,2-Dichloropropane
 Concen: 18.20 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

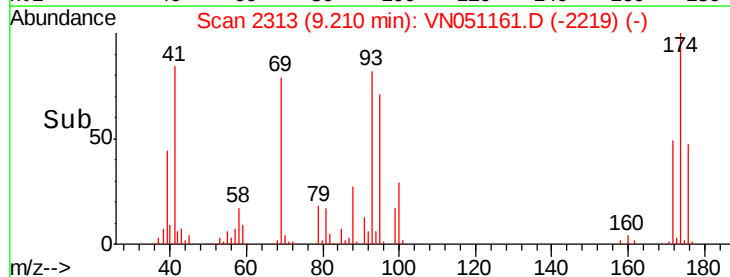
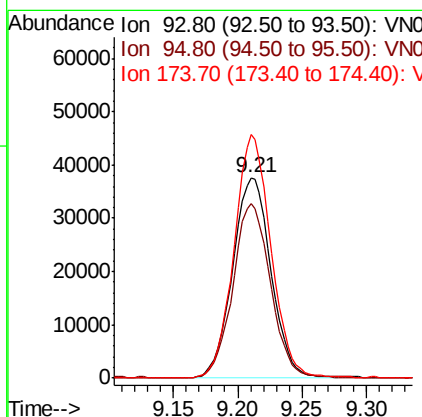
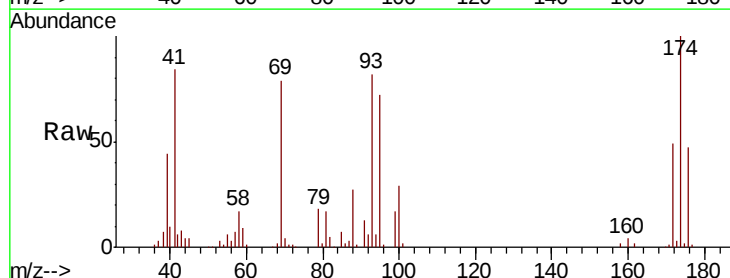
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

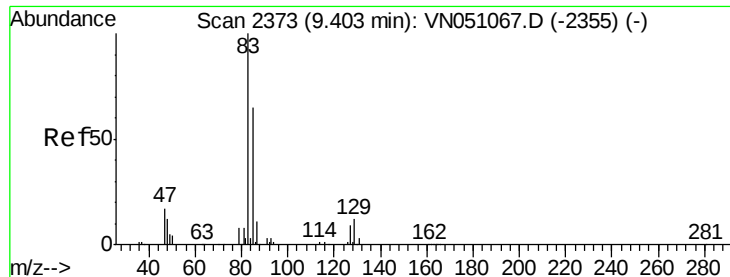
Tot Ion: 63 Resp: 129111
 Ion Ratio Lower Upper
 63 100
 65 29.1 24.7 37.1



#46
 Dibromomethane
 Concen: 18.03 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

Tgt Ion: 93 Resp: 78029
 Ion Ratio Lower Upper
 93 100
 95 85.2 66.8 100.2
 174 116.4 93.3 139.9





#47

Bromodichloromethane

Concen: 18.46 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampled :

VN0913WBS01

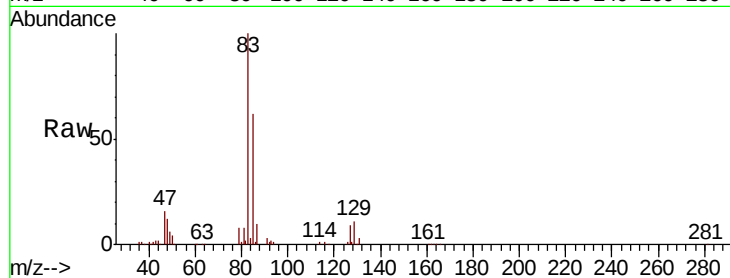
Tot Ion: 83 Resp: 162456

Ion Ratio Lower Upper

83 100

85 61.6 52.3 78.5

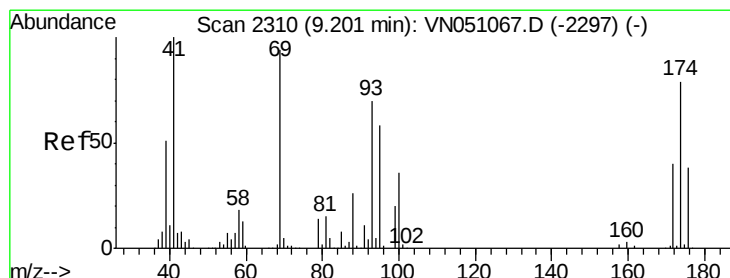
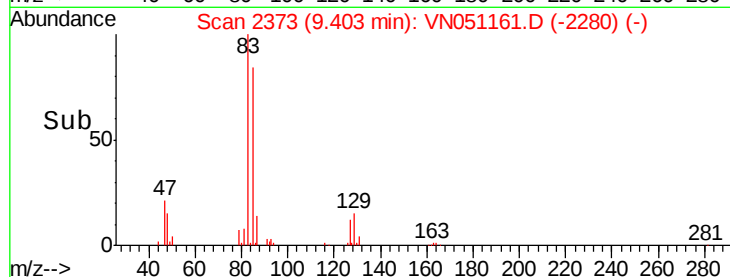
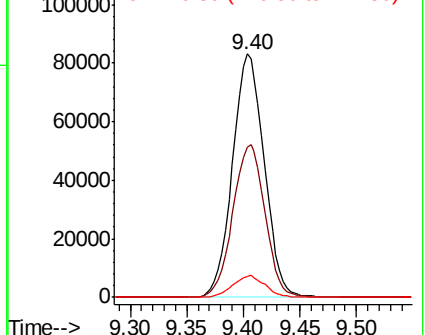
127 8.8 7.5 11.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.83 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

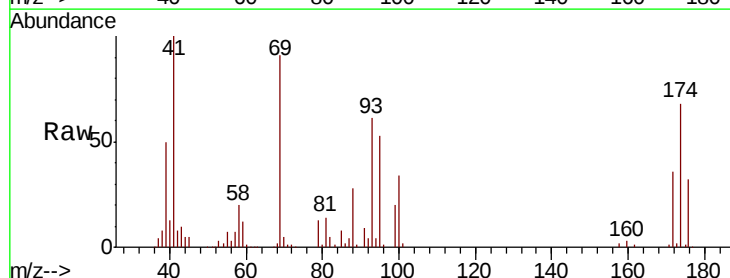
Tgt Ion: 41 Resp: 89971

Ion Ratio Lower Upper

41 100

69 94.7 77.7 116.5

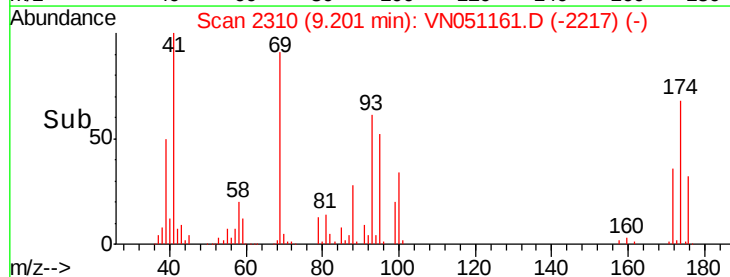
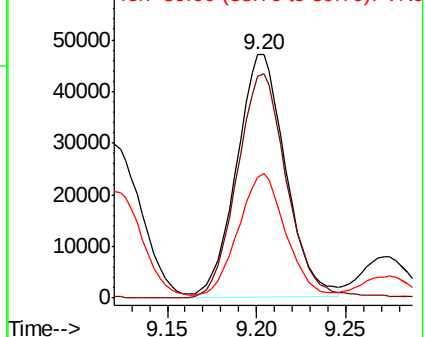
39 49.8 41.6 62.4

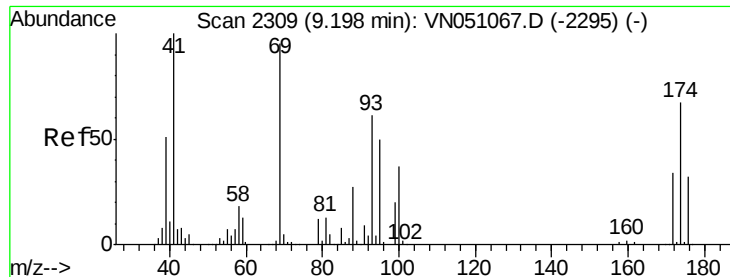


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 393.59 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.01 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampled :

VN0913WBS01

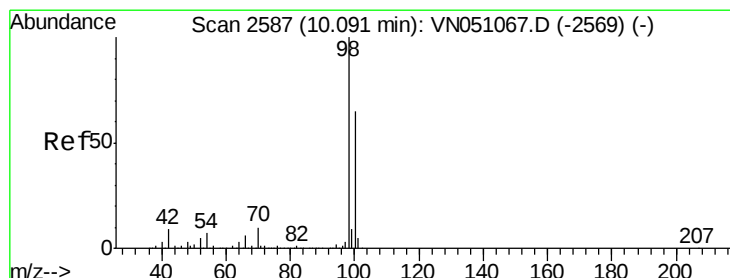
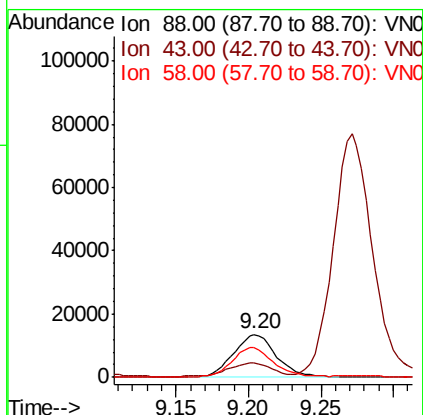
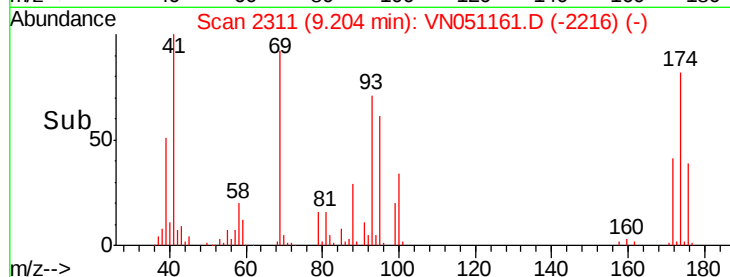
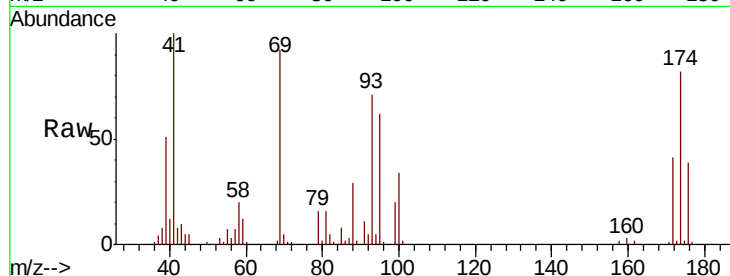
Tot Ion: 88 Resp: 28002

Ion Ratio Lower Upper

88 100

43 32.1 23.7 35.5

58 67.9 54.6 82.0



#50

Toluene-d8

Concen: 51.44 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051161.D

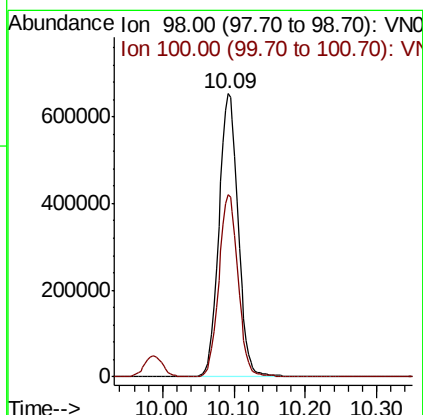
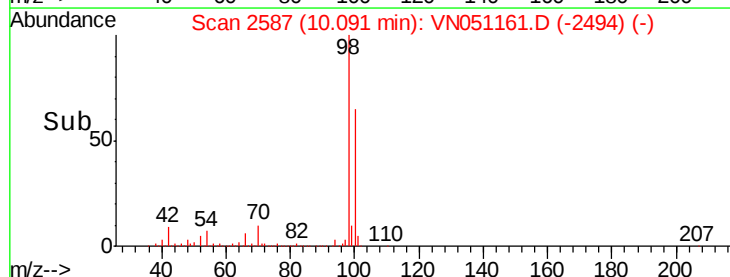
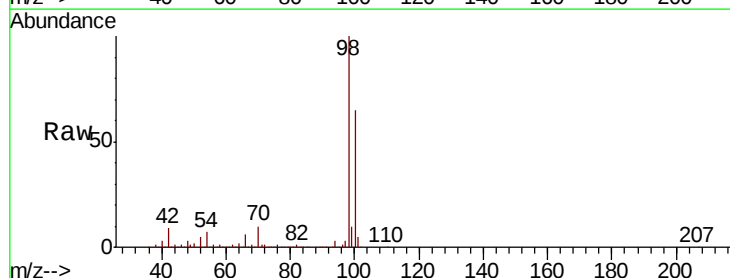
Acq: 13 Sep 2018 10:38

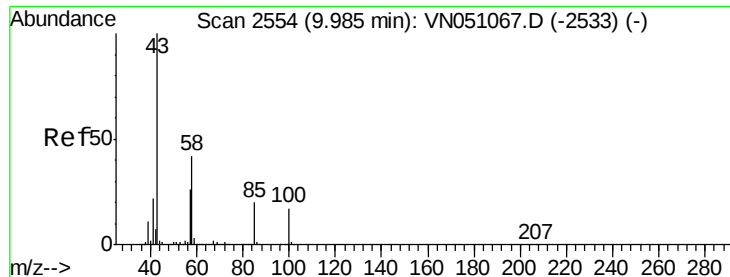
Tgt Ion: 98 Resp: 1217180

Ion Ratio Lower Upper

98 100

100 64.4 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 104.21 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

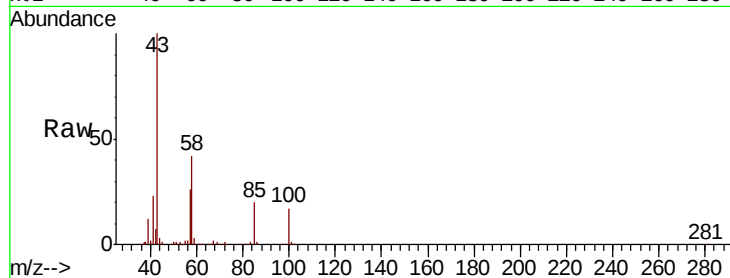
VN0913WBS01

Tot Ion: 43 Resp: 536542

Ion Ratio Lower Upper

43 100

58 41.7 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

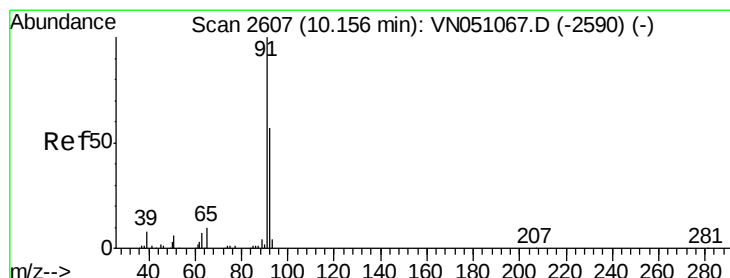
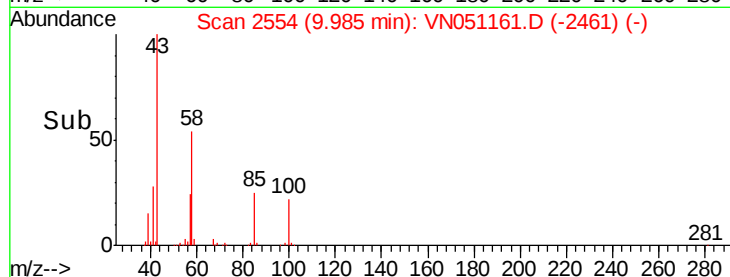
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 17.98 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051161.D

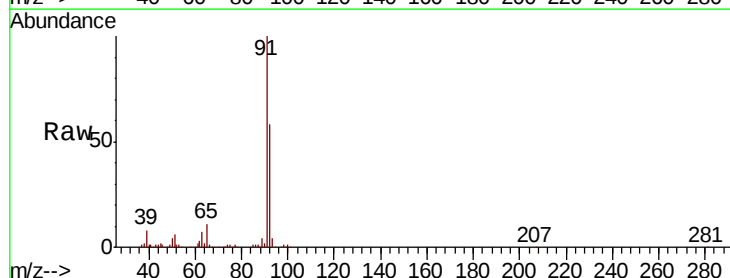
Acq: 13 Sep 2018 10:38

Tgt Ion: 92 Resp: 300931

Ion Ratio Lower Upper

92 100

91 175.2 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

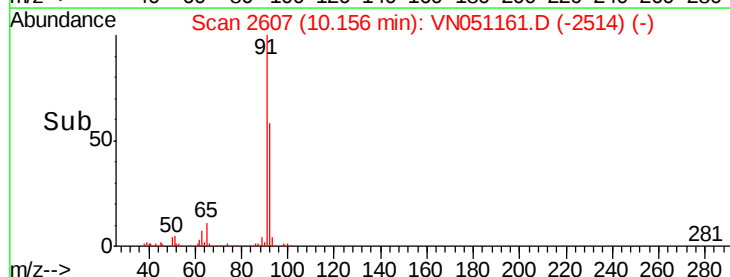
300000

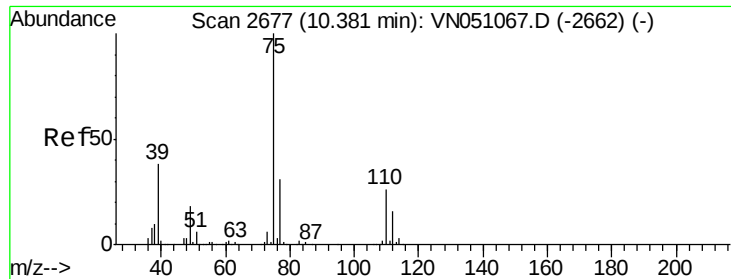
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.51 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

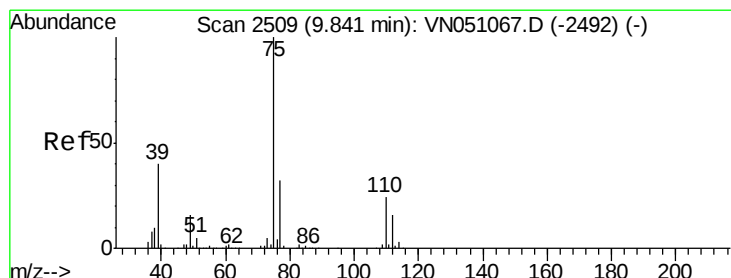
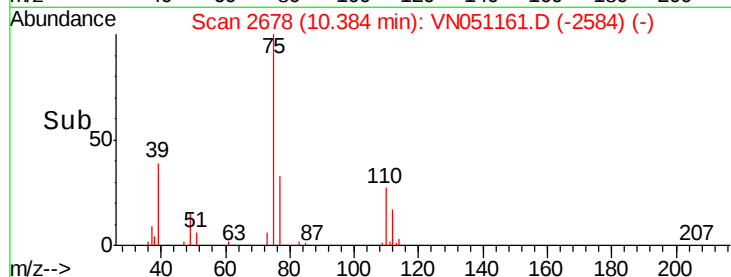
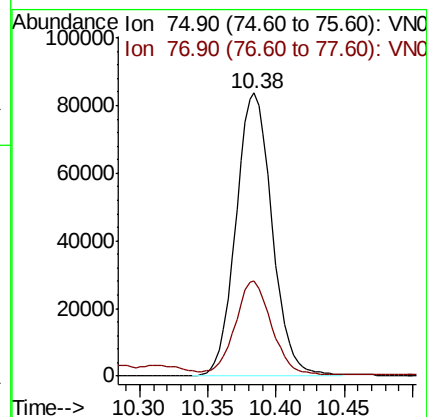
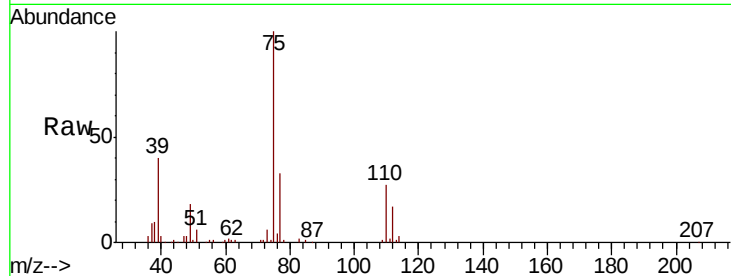
VN0913WBS01

Tot Ion: 75 Resp: 154199

Ion Ratio Lower Upper

75 100

77 33.0 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 17.79 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

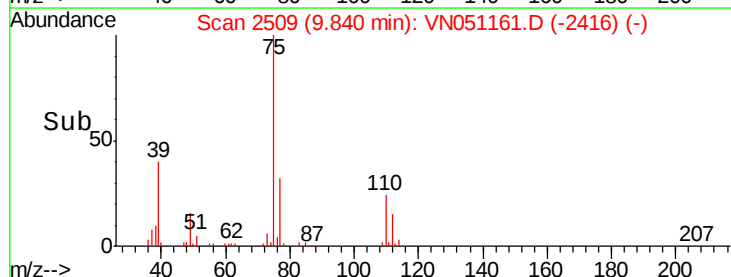
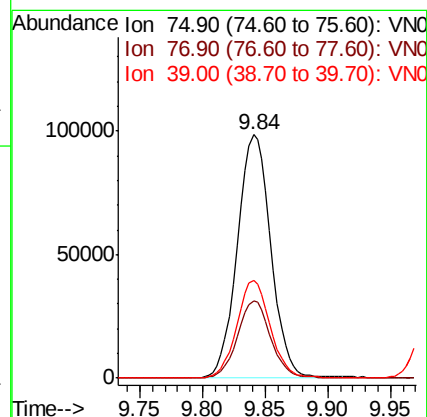
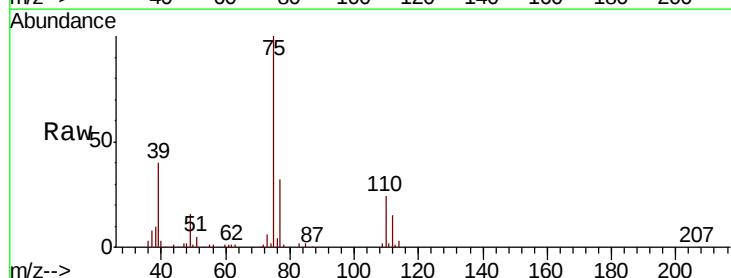
Tgt Ion: 75 Resp: 183745

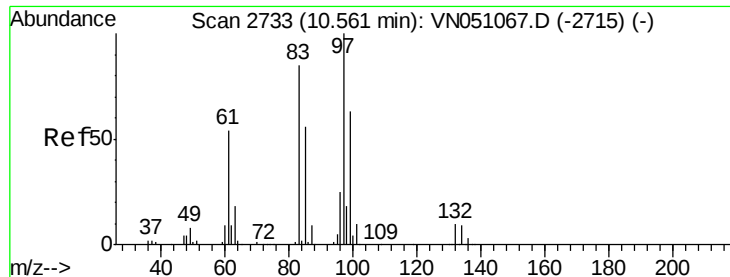
Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5

39 40.2 31.9 47.9

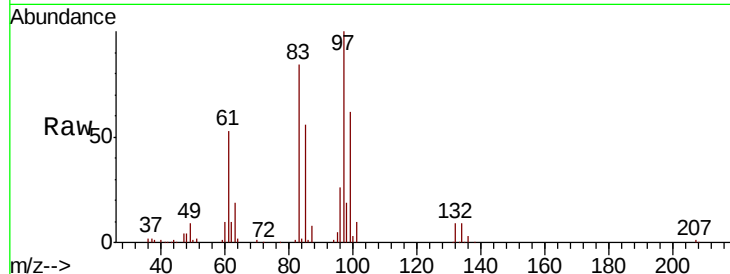




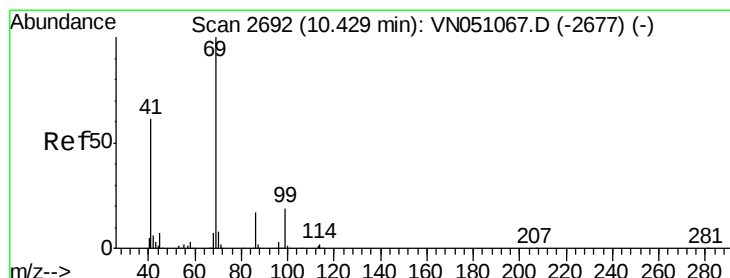
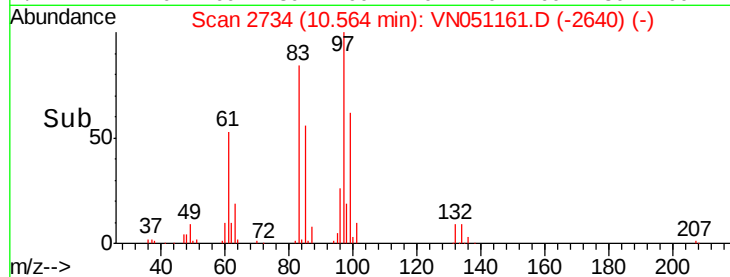
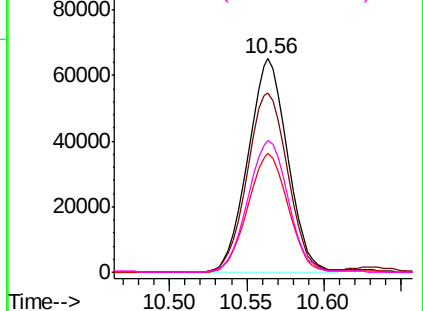
#55
 1,1,2-Trichloroethane
 Concen: 19.08 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

Instrument :
 MSVOA_N
 ClientSampled :
 VN0913WBS01

Tot Ion: 97 Resp: 116040
 Ion Ratio Lower Upper
 97 100
 83 84.2 68.2 102.2
 85 55.6 44.8 67.2
 99 61.7 50.2 75.4

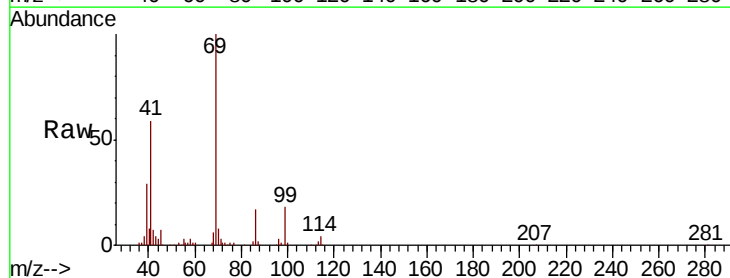


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

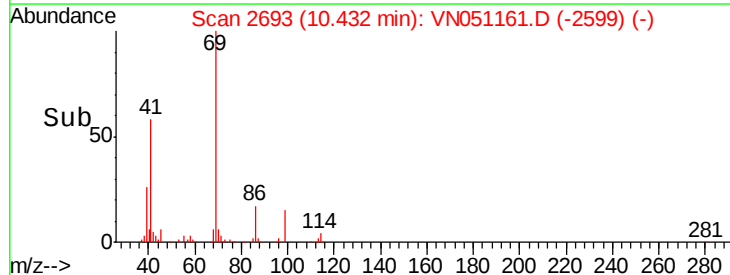
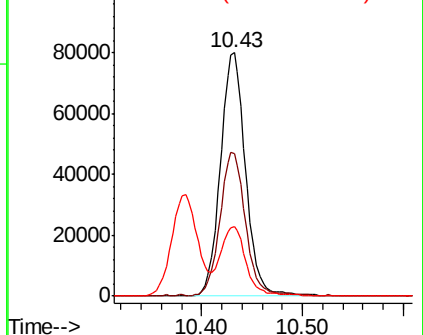


#56
 Ethyl methacrylate
 Concen: 18.67 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

Tgt Ion: 69 Resp: 139161
 Ion Ratio Lower Upper
 69 100
 41 59.3 47.8 71.8
 39 29.5 23.0 34.4



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 18.87 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampled :

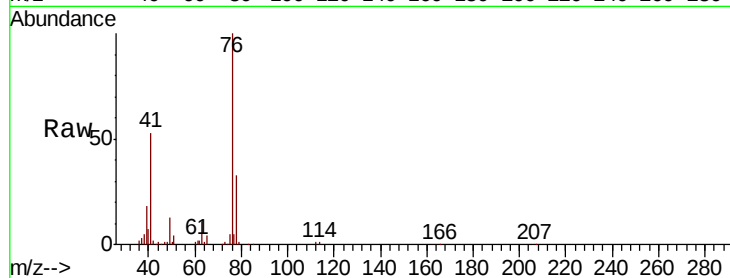
VN0913WBS01

Tot Ion: 76 Resp: 190217

Ion Ratio Lower Upper

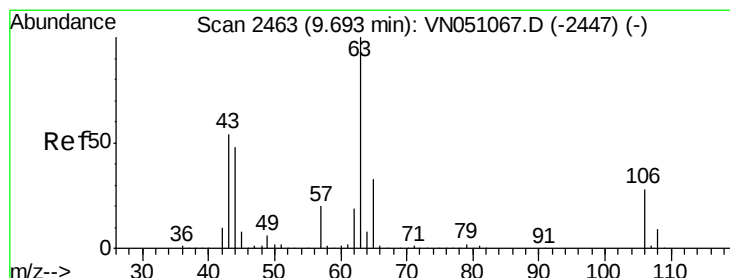
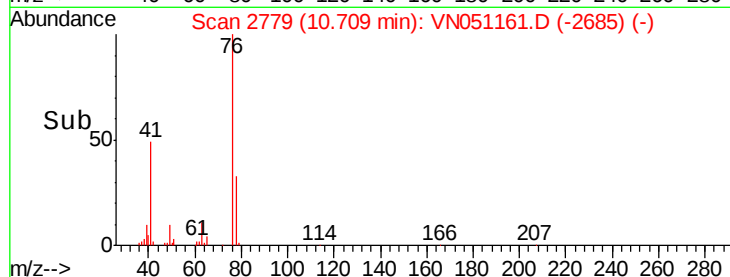
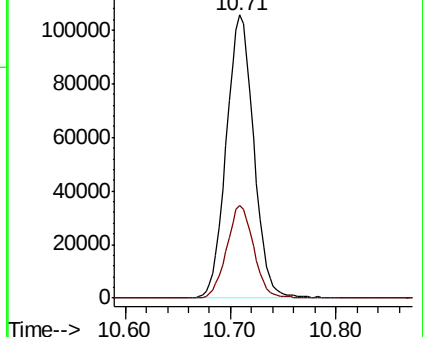
76 100

78 32.2 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VN051067.D (-2763) (-)

Ion 77.90 (77.60 to 78.60): VN051067.D (-2763) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 101.50 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051161.D

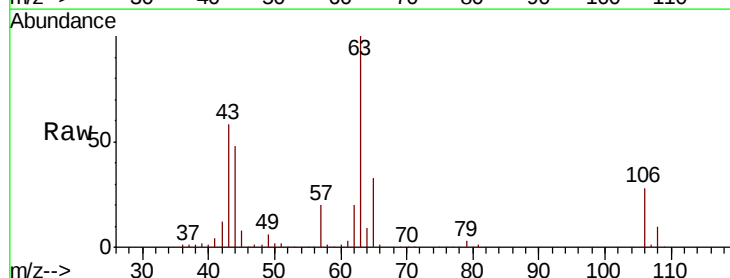
Acq: 13 Sep 2018 10:38

Tgt Ion: 63 Resp: 315162

Ion Ratio Lower Upper

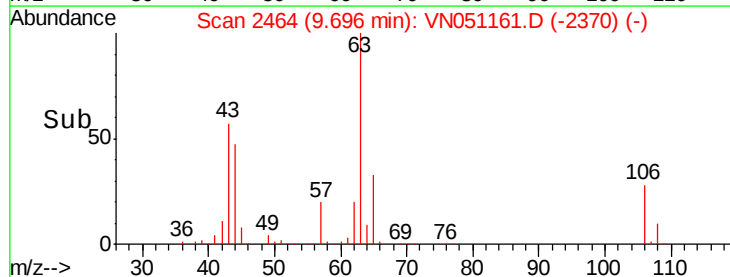
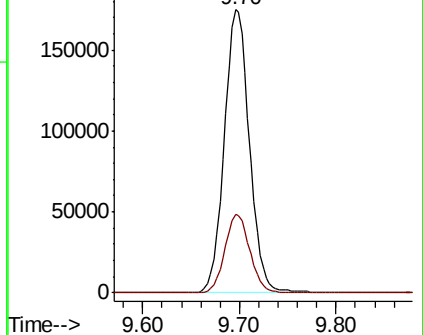
63 100

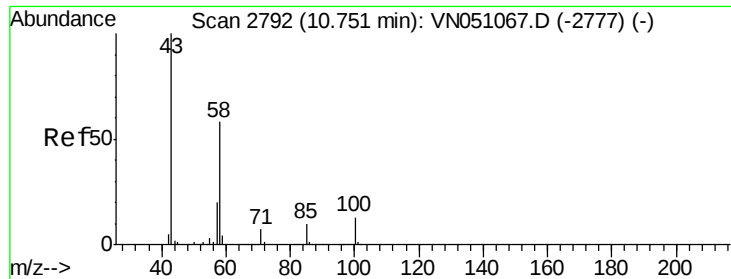
106 27.6 22.5 33.7



Abundance Ion 62.90 (62.60 to 63.60): VN051067.D (-2447) (-)

Ion 105.90 (105.60 to 106.60): VN051067.D (-2447) (-)

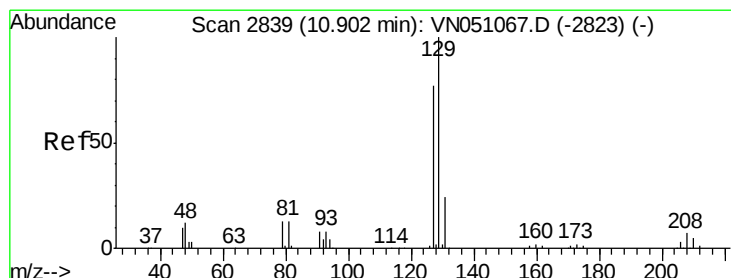
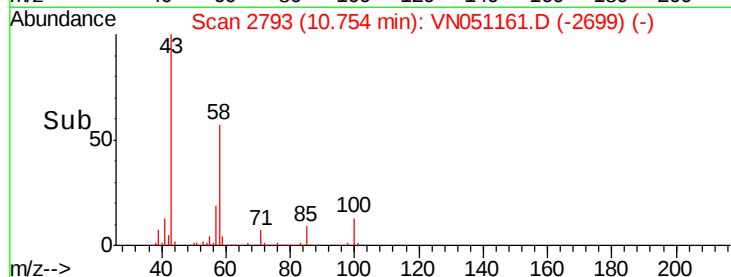
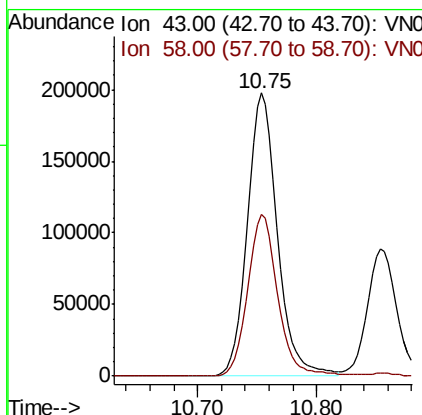
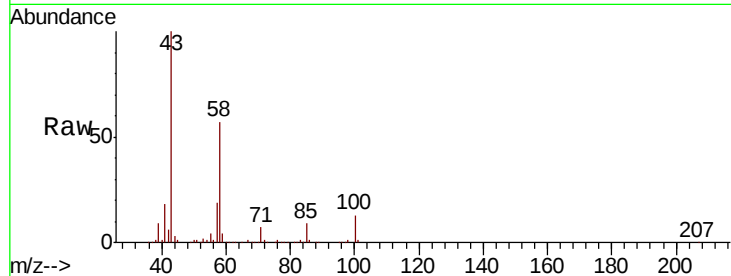




#59
2-Hexanone
Concen: 98.36 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

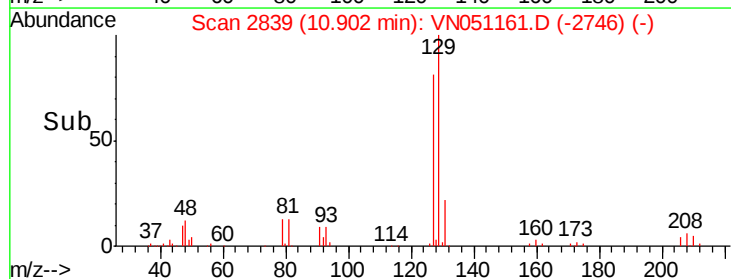
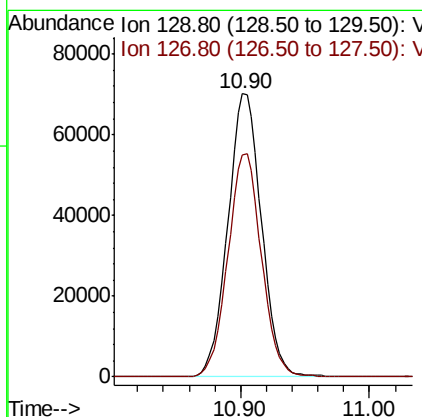
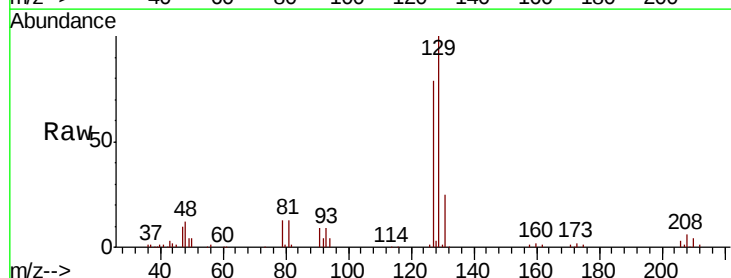
Instrument :
MSVOA_N
ClientSampled :
VN0913WBS01

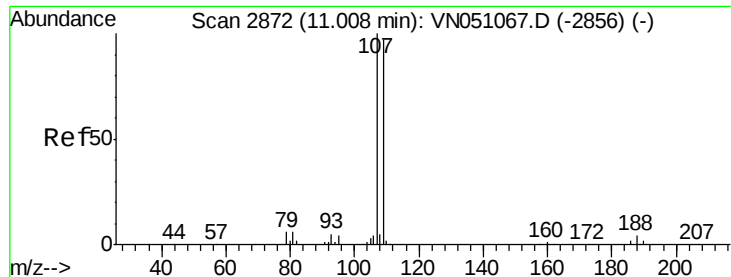
Tot Ion: 43 Resp: 343435
Ion Ratio Lower Upper
43 100
58 57.5 29.3 88.0



#60
Dibromochloromethane
Concen: 18.51 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Tgt Ion: 129 Resp: 126850
Ion Ratio Lower Upper
129 100
127 78.7 38.5 115.5





#61

1,2-Dibromoethane

Concen: 18.93 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

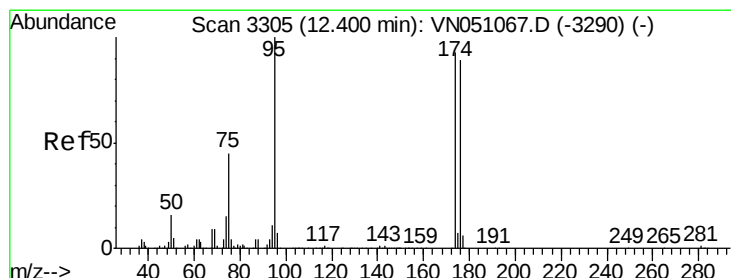
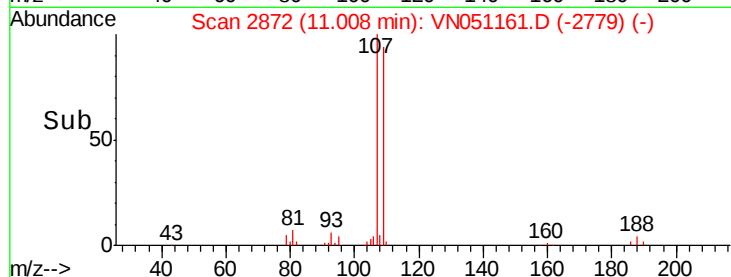
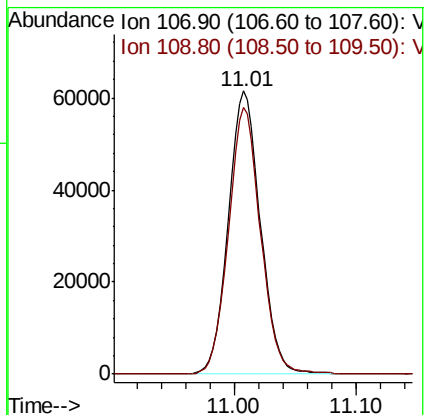
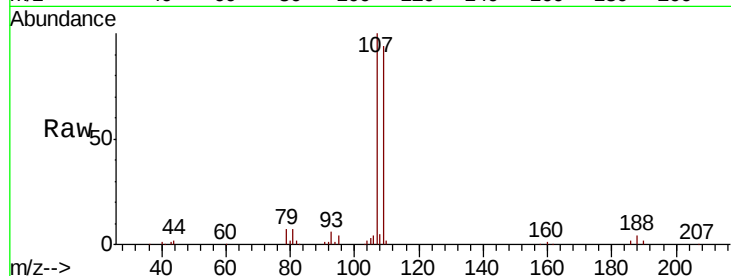
VN0913WBS01

Tot Ion:107 Resp: 112550

Ion Ratio Lower Upper

107 100

109 93.9 76.0 114.0



#62

4-Bromofluorobenzene

Concen: 48.00 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

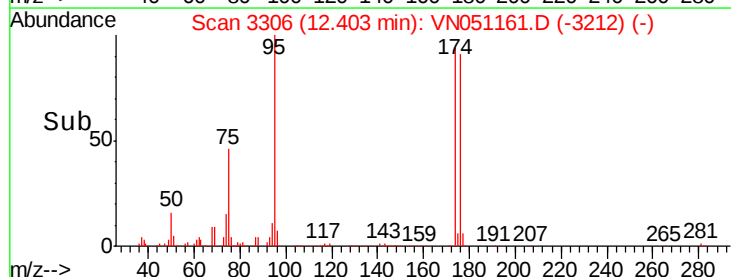
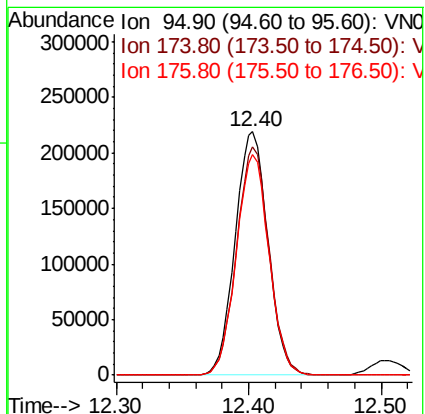
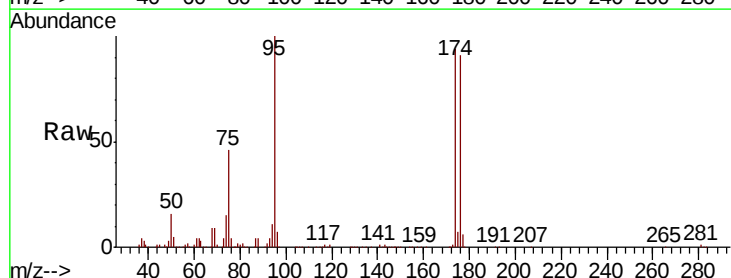
Tgt Ion: 95 Resp: 375713

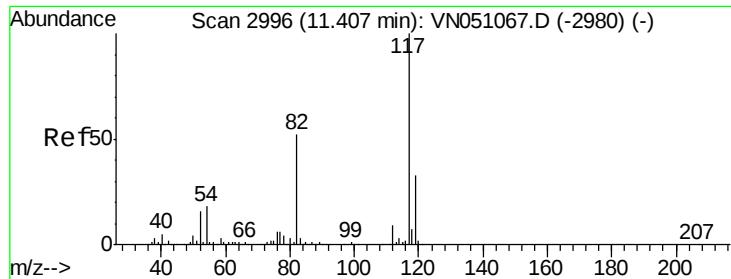
Ion Ratio Lower Upper

95 100

174 93.3 0.0 184.8

176 90.3 0.0 178.6

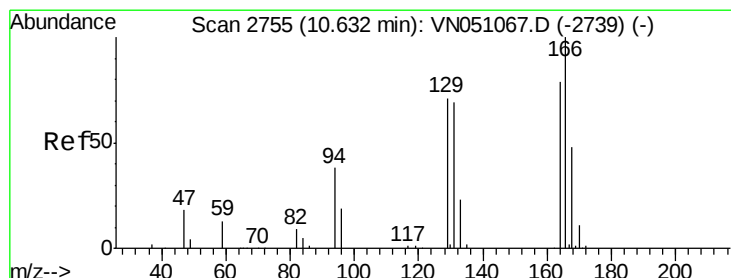
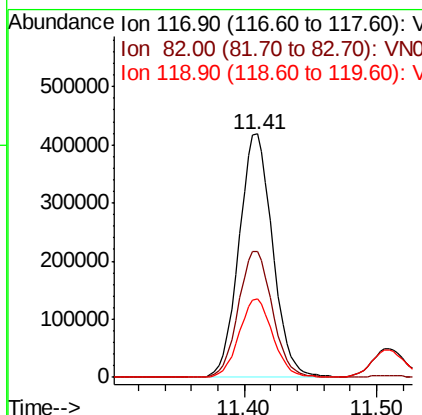
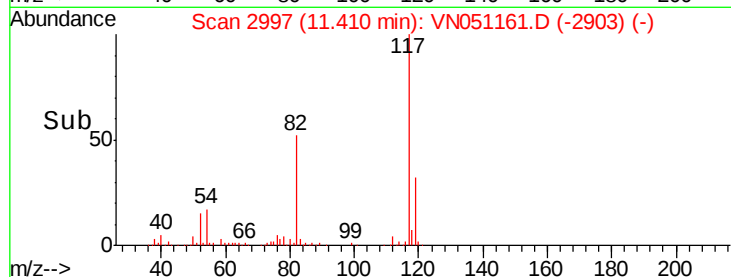
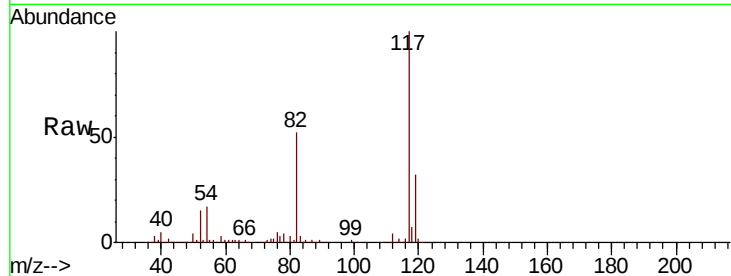




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

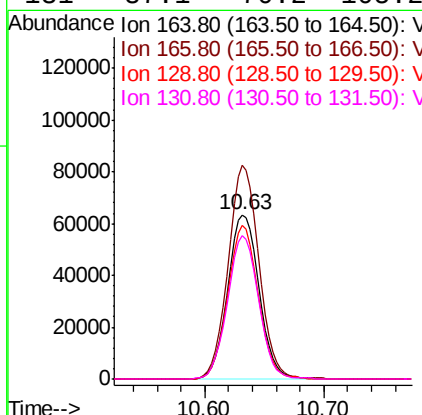
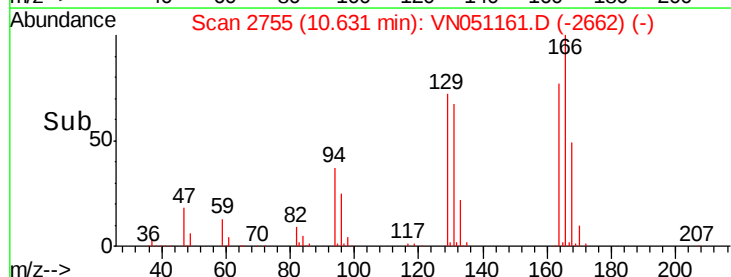
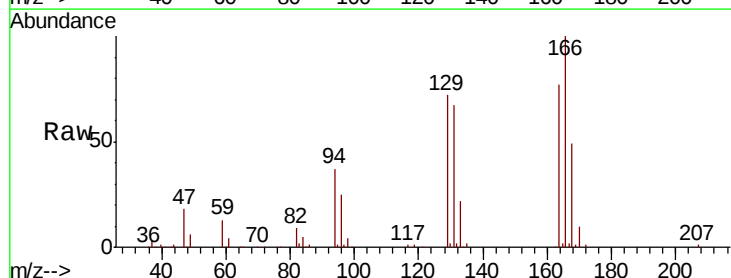
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

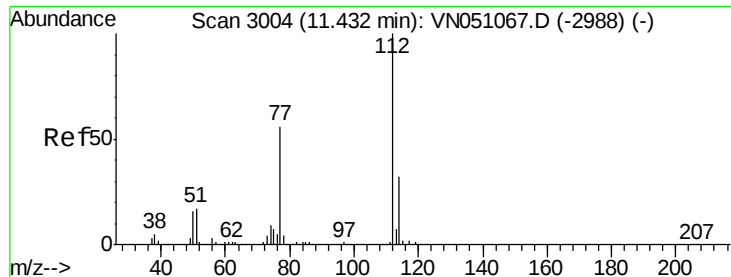
Tot Ion:117 Resp: 736593
Ion Ratio Lower Upper
117 100
82 51.9 41.8 62.6
119 32.1 26.2 39.2



#64
Tetrachloroethene
Concen: 17.23 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Tgt Ion:164 Resp: 115798
Ion Ratio Lower Upper
164 100
166 129.8 101.3 151.9
129 93.1 72.2 108.2
131 87.1 70.2 105.2





#65

Chlorobenzene

Concen: 17.42 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

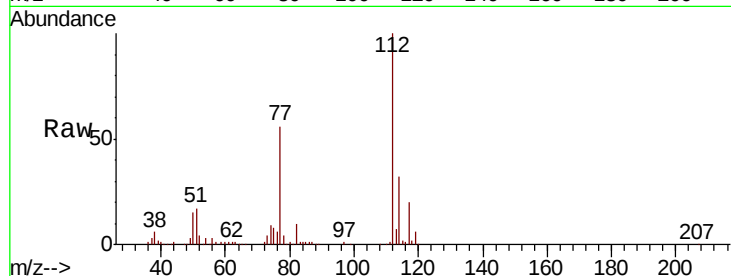
VN0913WBS01

Tot Ion:112 Resp: 323499

Ion Ratio Lower Upper

112 100

114 32.4 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

200000

150000

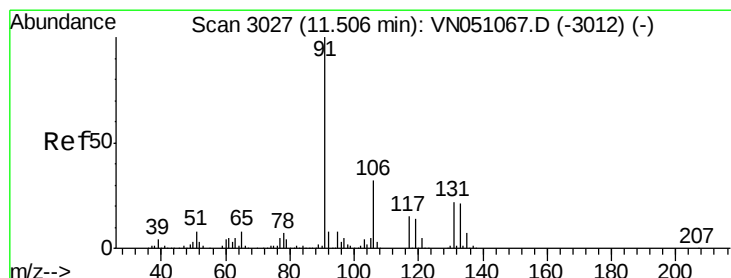
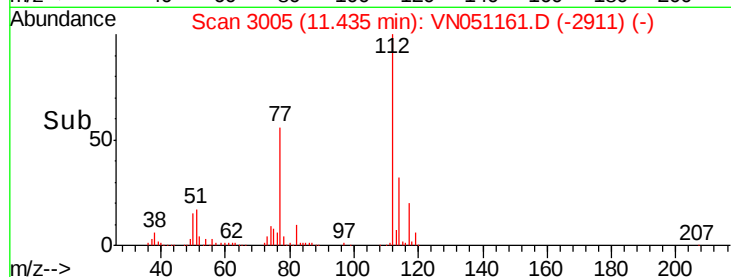
100000

50000

0

11.40 11.50

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 18.50 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

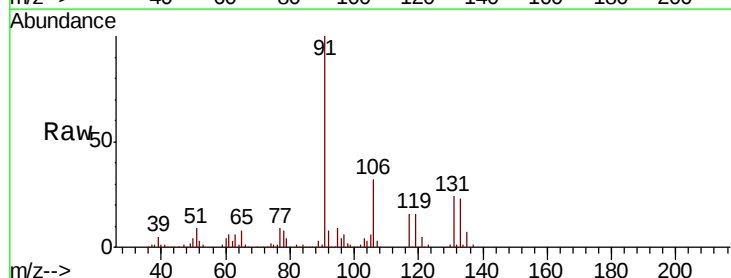
Tgt Ion:131 Resp: 123652

Ion Ratio Lower Upper

131 100

133 97.4 47.5 142.6

119 67.1 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

150000

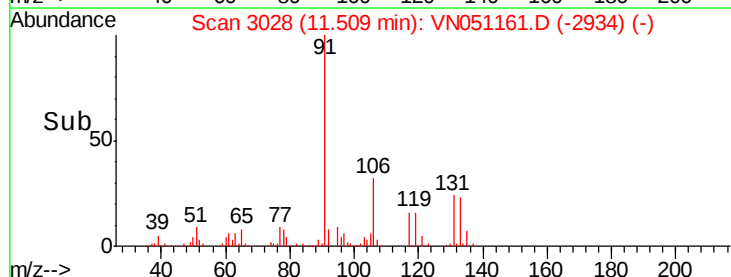
100000

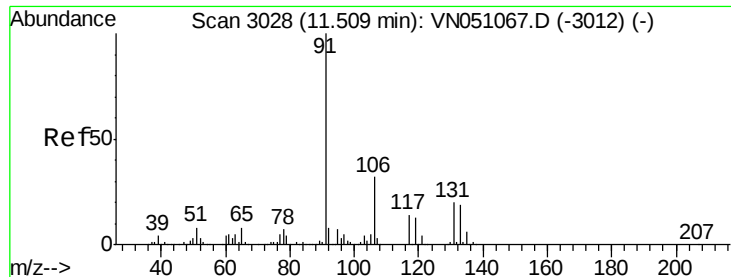
50000

0

11.45 11.50 11.55 11.60

Time-->





#67

Ethyl Benzene

Concen: 17.27 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampled :

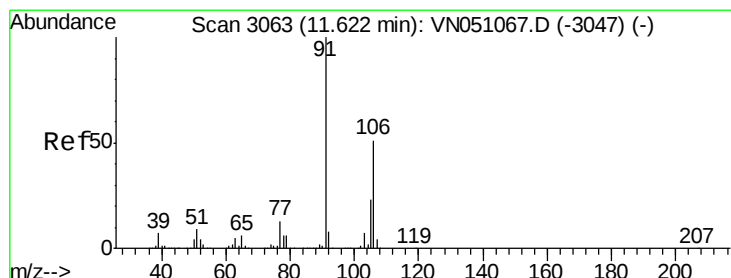
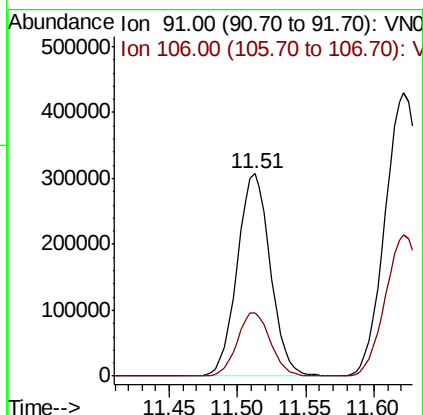
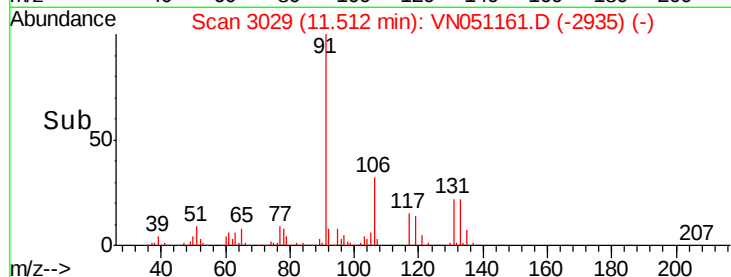
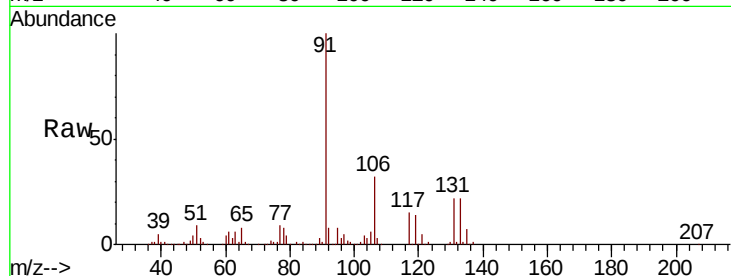
VN0913WBS01

Tot Ion: 91 Resp: 519219

Ion Ratio Lower Upper

91 100

106 31.5 25.4 38.2



#68

m/p-Xylenes

Concen: 35.32 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN051161.D

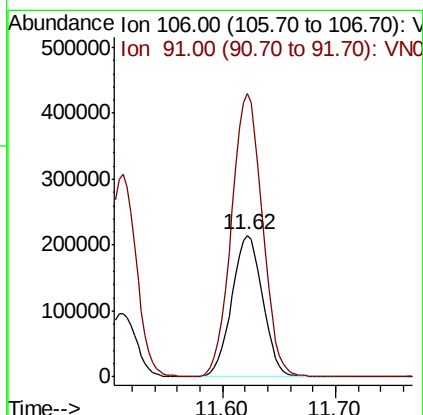
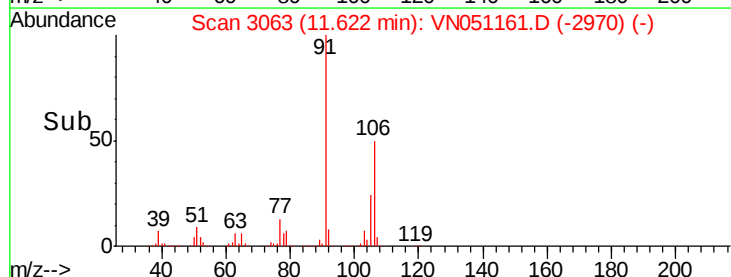
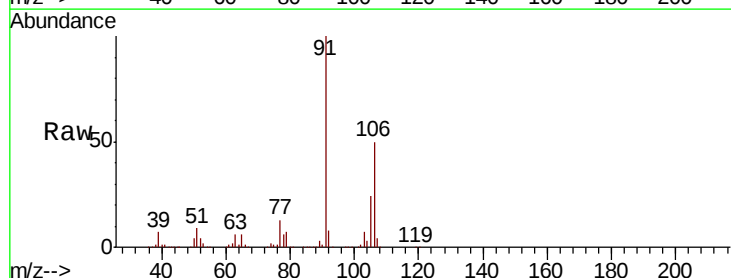
Acq: 13 Sep 2018 10:38

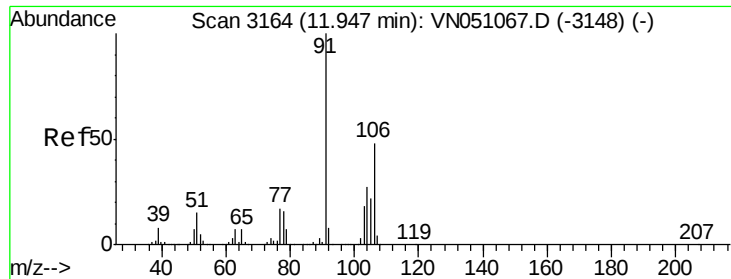
Tgt Ion: 106 Resp: 408034

Ion Ratio Lower Upper

106 100

91 200.5 159.8 239.6

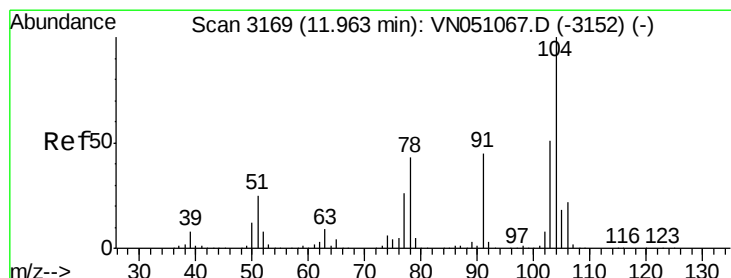
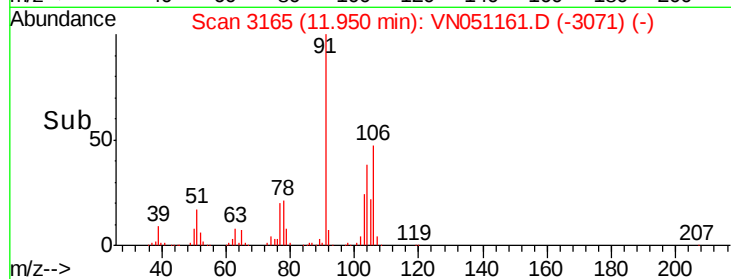
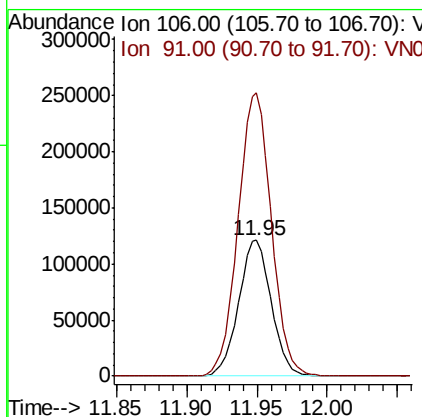
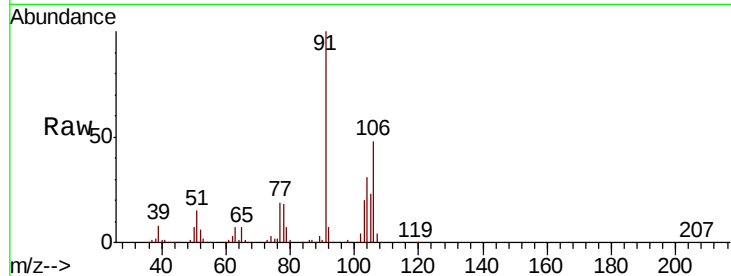




#69
o-Xylene
Concen: 17.61 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

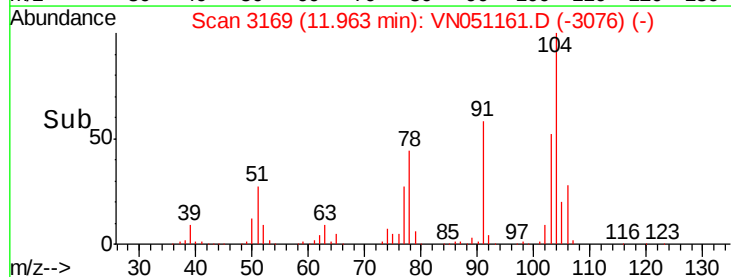
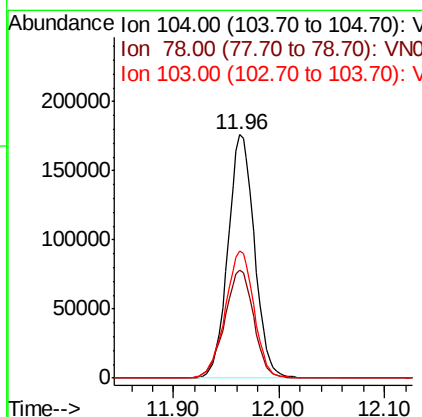
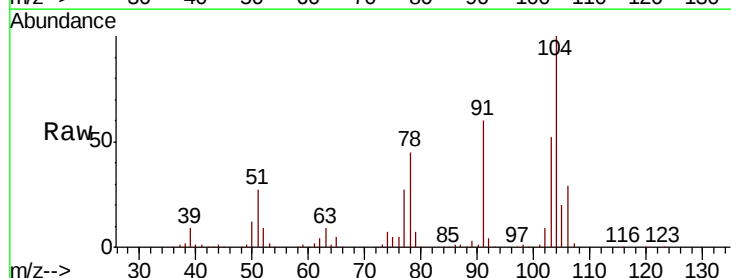
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

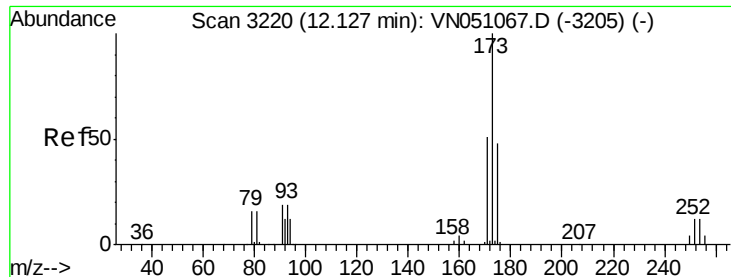
Tot Ion:106 Resp: 197028
Ion Ratio Lower Upper
106 100
91 212.0 105.1 315.1



#70
Styrene
Concen: 17.62 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Tgt Ion:104 Resp: 305756
Ion Ratio Lower Upper
104 100
78 48.6 37.7 56.5
103 56.7 44.6 67.0

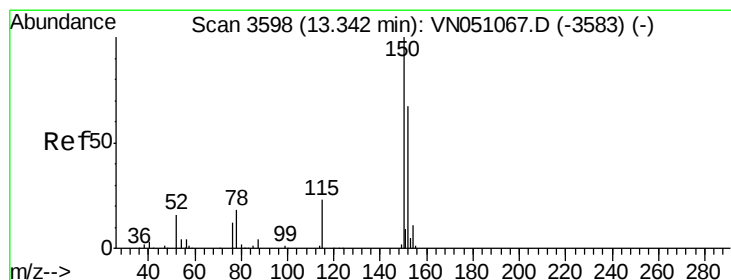
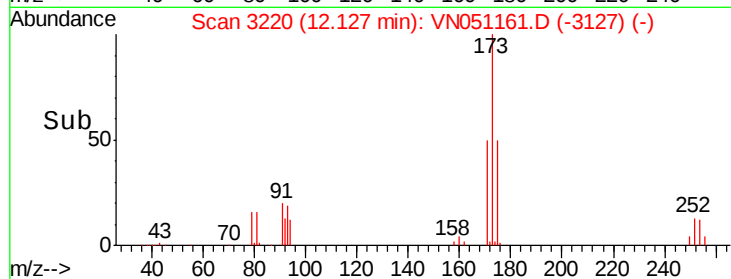
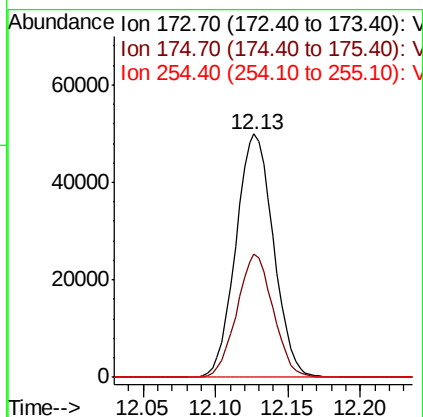
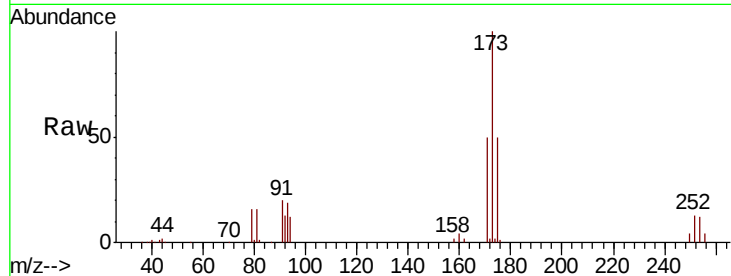




#71
Bromoform
Concen: 19.13 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

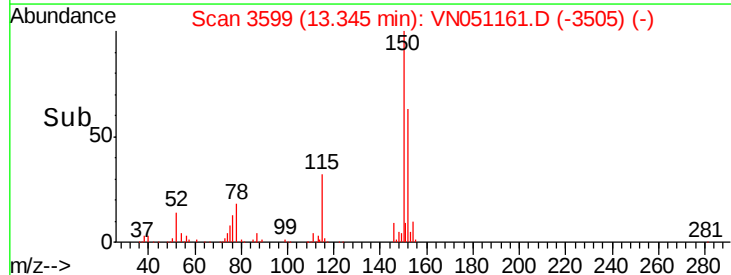
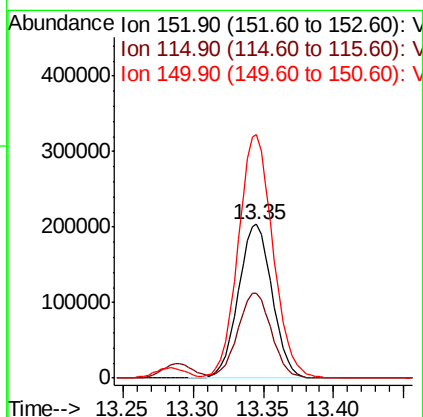
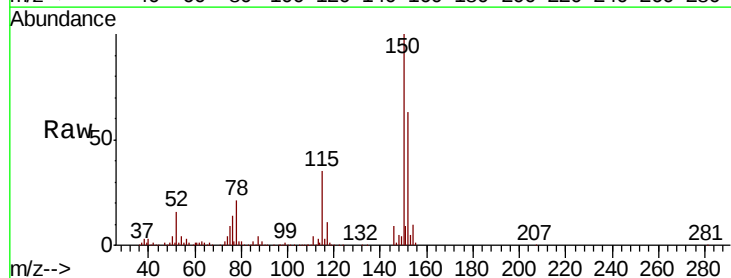
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

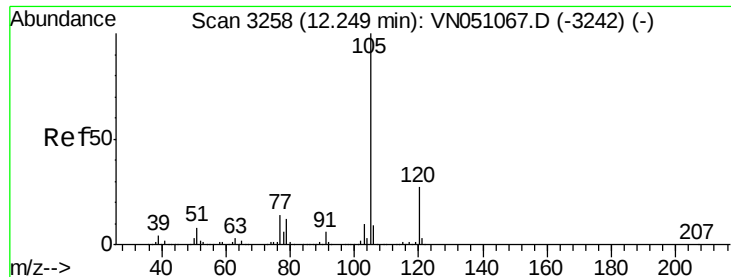
Tot Ion:173 Resp: 90017
Ion Ratio Lower Upper
173 100
175 48.7 24.3 72.9
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Tgt Ion:152 Resp: 341569
Ion Ratio Lower Upper
152 100
115 55.0 28.2 84.7
150 162.7 0.0 349.0





#73

Isopropylbenzene

Concen: 18.15 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

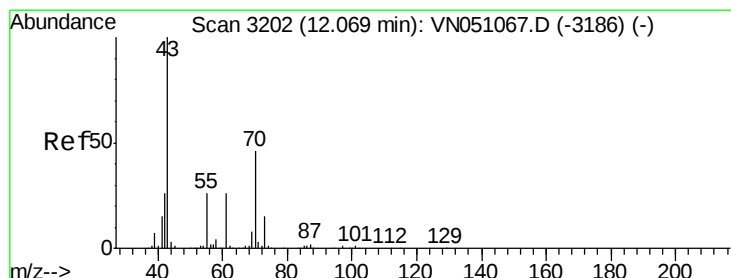
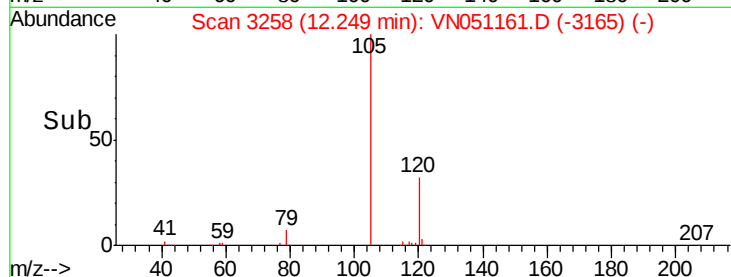
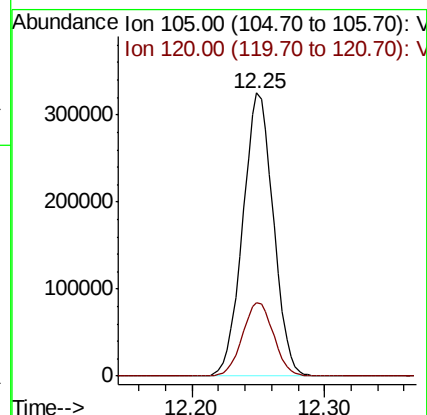
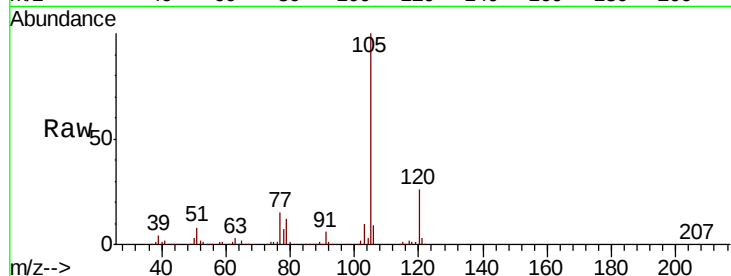
VN0913WBS01

Tot Ion:105 Resp: 519938

Ion Ratio Lower Upper

105 100

120 26.5 13.6 40.7



#74

N-ethyl acetate

Concen: 18.28 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Tgt Ion: 43 Resp: 131796

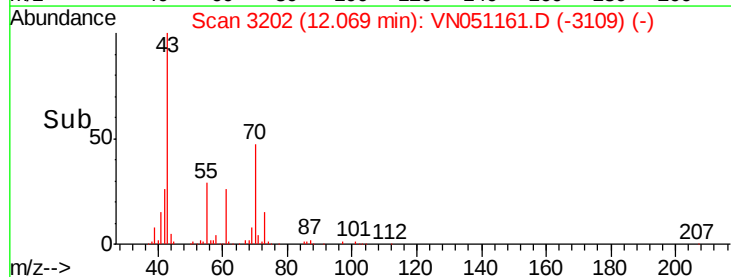
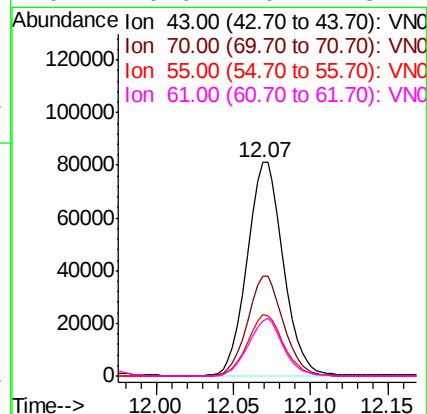
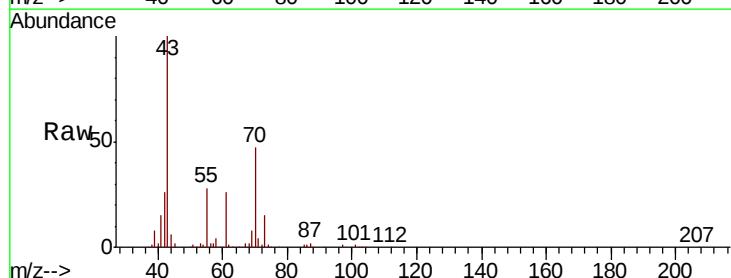
Ion Ratio Lower Upper

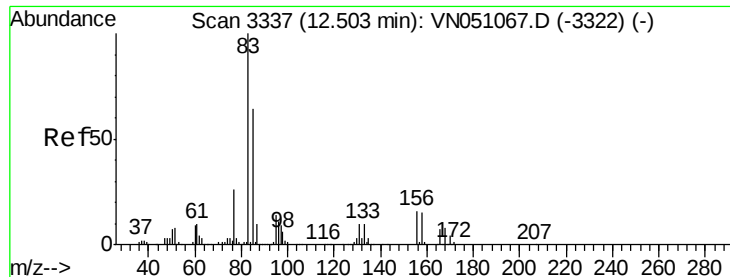
43 100

70 46.7 37.0 55.4

55 28.7 21.3 31.9

61 26.0 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.00 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS01

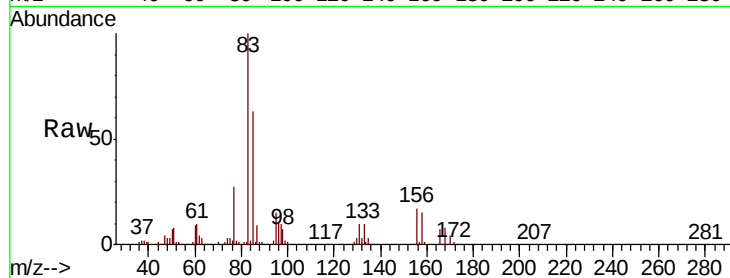
Tot Ion: 83 Resp: 150464

Ion Ratio Lower Upper

83 100

131 10.7 5.3 16.1

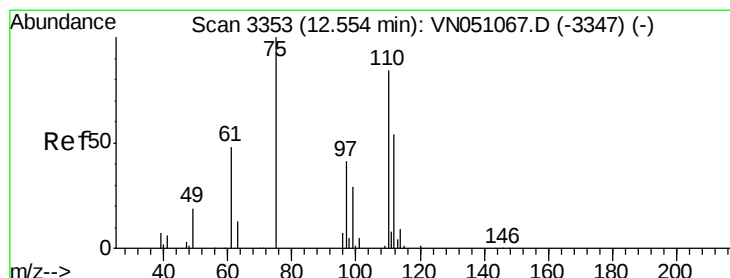
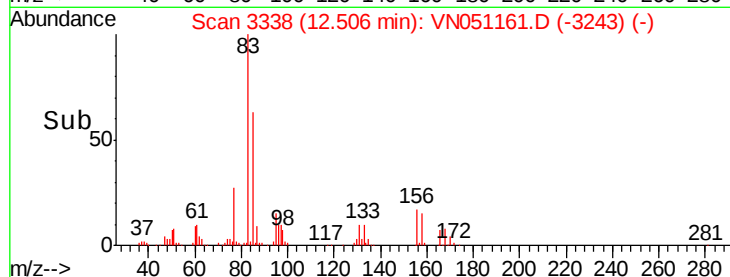
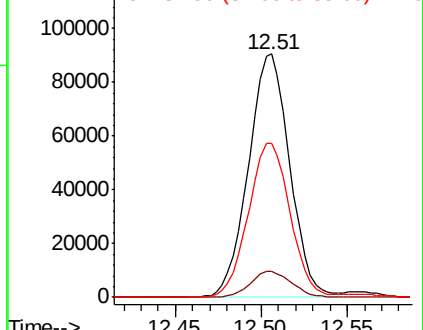
85 64.3 32.3 96.8



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: 30.86 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051161.D

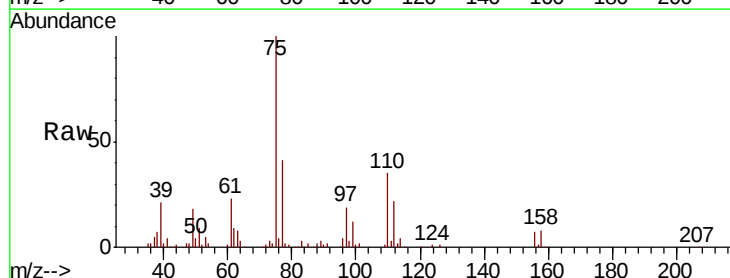
Acq: 13 Sep 2018 10:38

Tgt Ion: 75 Resp: 166417

Ion Ratio Lower Upper

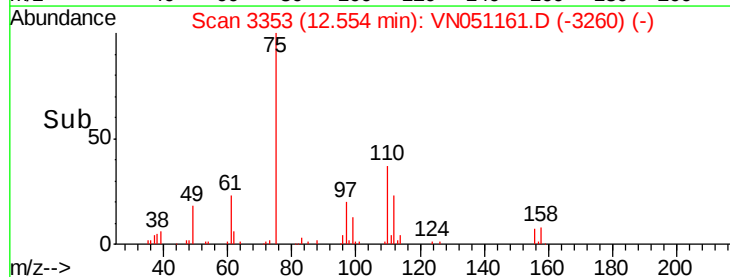
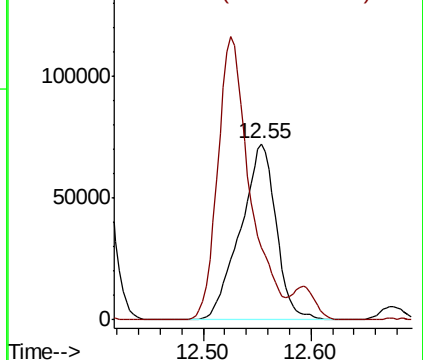
75 100

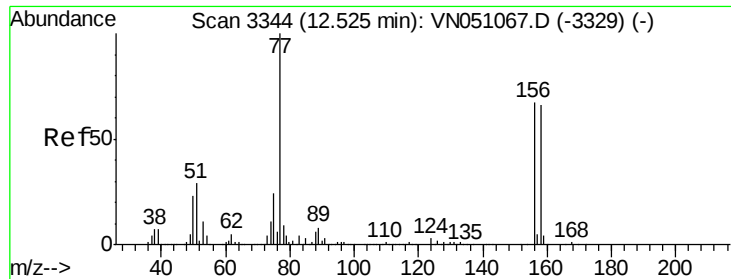
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 17.46 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS01

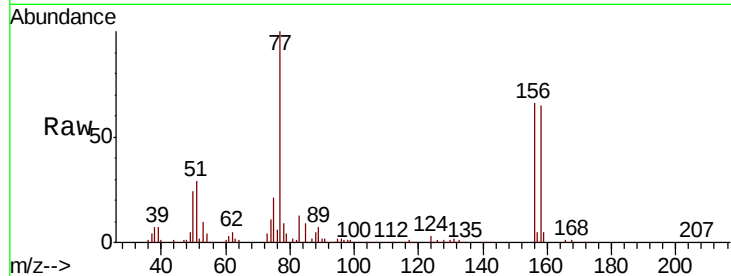
Tot Ion:156 Resp: 134351

Ion Ratio Lower Upper

156 100

77 179.9 87.5 262.6

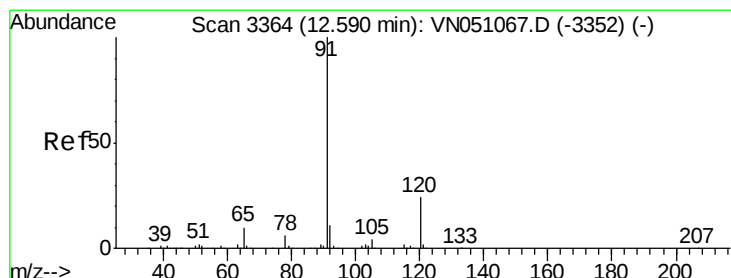
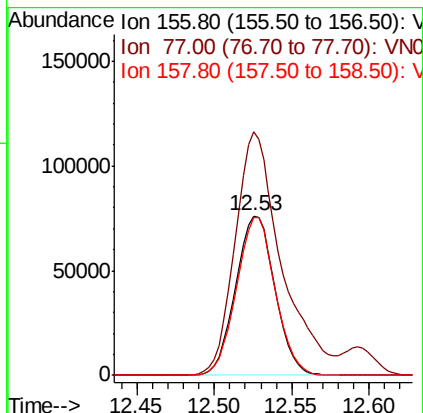
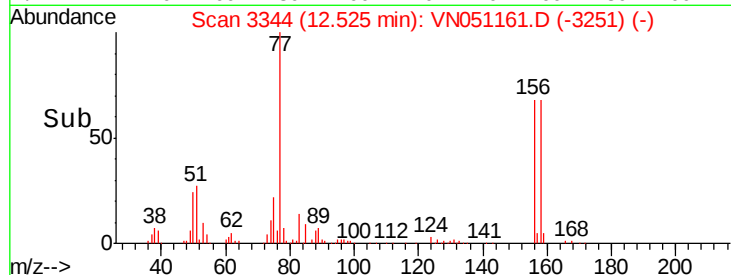
158 97.9 49.0 147.2



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: 17.73 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051161.D

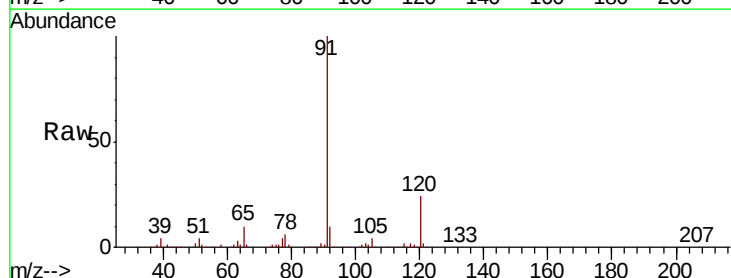
Acq: 13 Sep 2018 10:38

Tgt Ion: 91 Resp: 558330

Ion Ratio Lower Upper

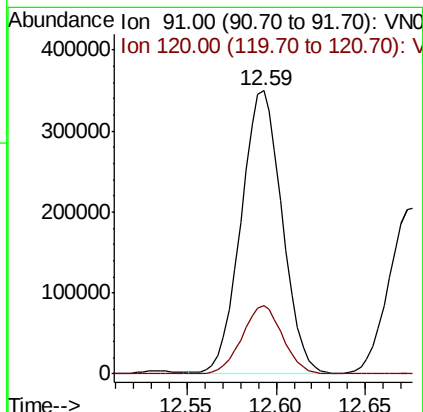
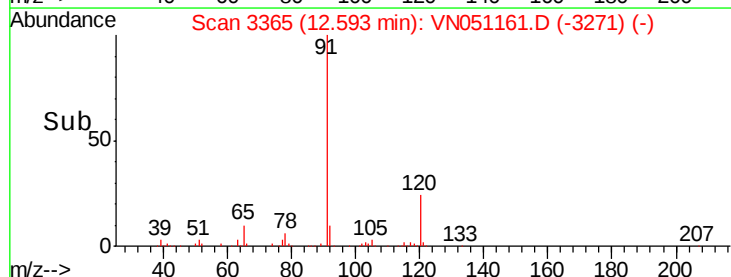
91 100

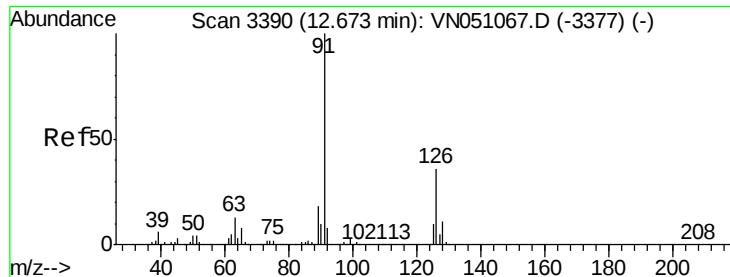
120 23.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

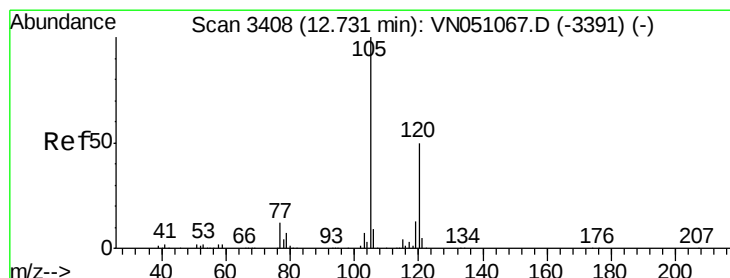
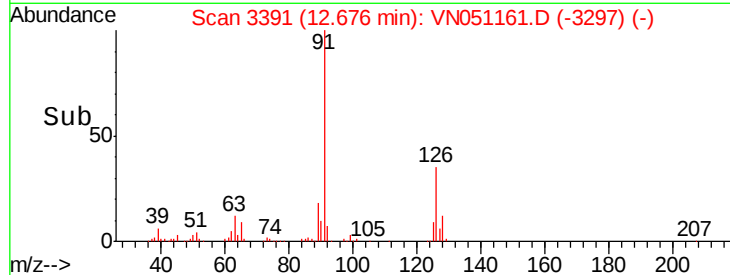
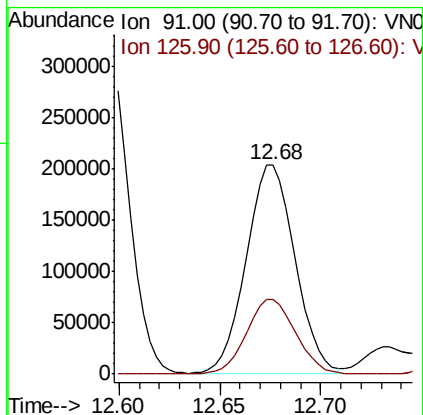
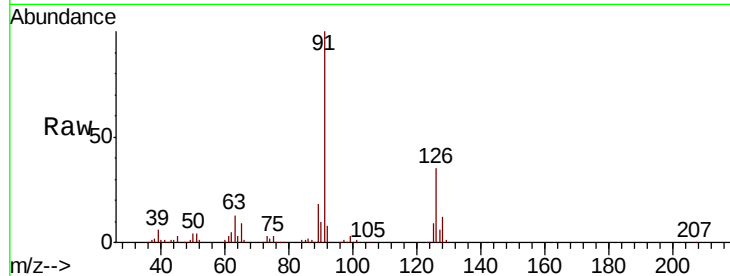




#79
 2-Chlorotoluene
 Concen: 17.50 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

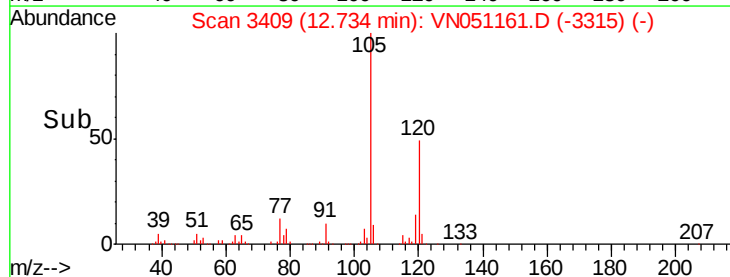
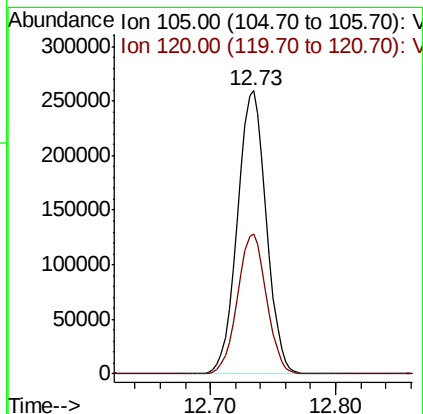
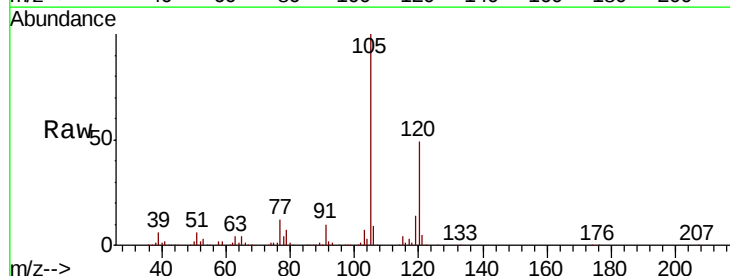
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

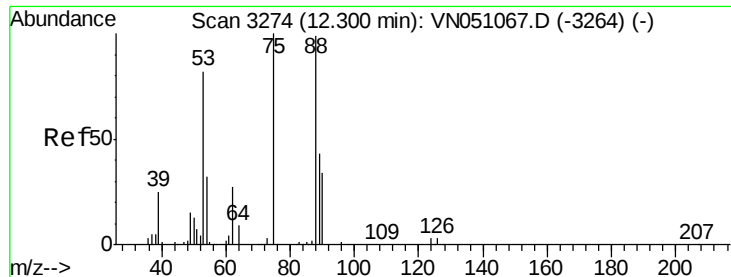
Tot Ion: 91 Resp: 344317
 Ion Ratio Lower Upper
 91 100
 126 36.1 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 17.83 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

Tgt Ion: 105 Resp: 412920
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.34 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS01

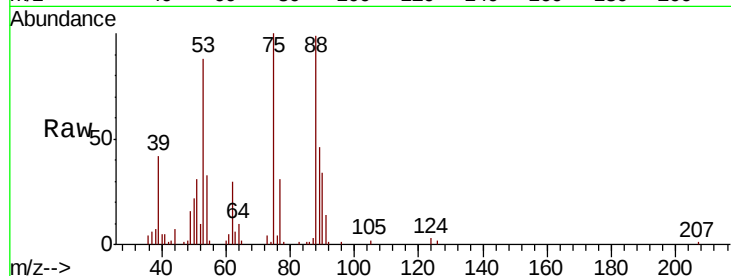
Tot Ion: 75 Resp: 32977

Ion Ratio Lower Upper

75 100

53 89.2 67.8 101.8

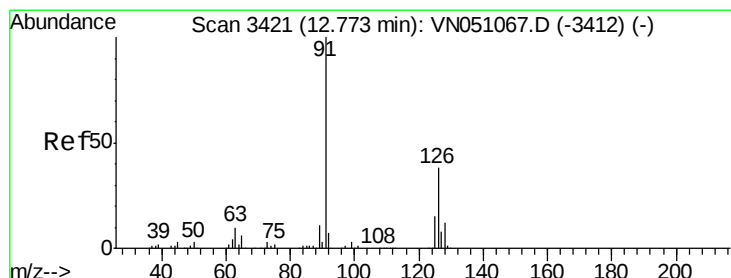
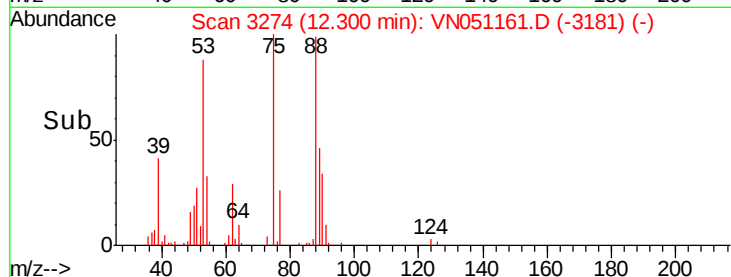
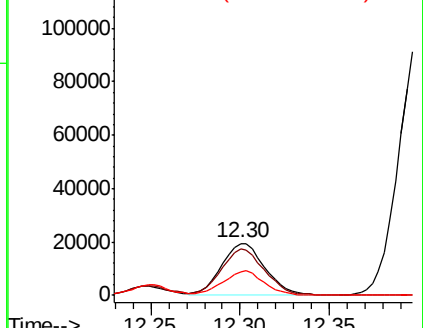
89 45.1 36.0 54.0



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: 17.41 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051161.D

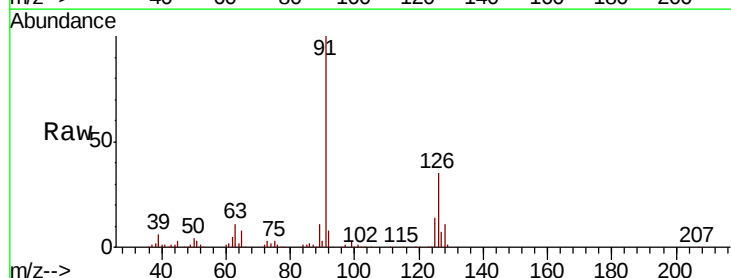
Acq: 13 Sep 2018 10:38

Tgt Ion: 91 Resp: 340059

Ion Ratio Lower Upper

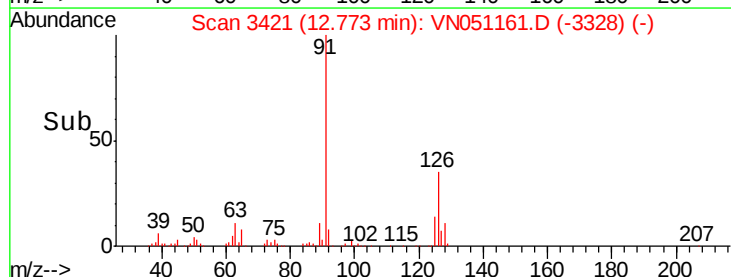
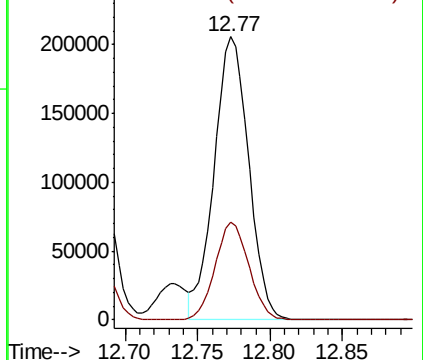
91 100

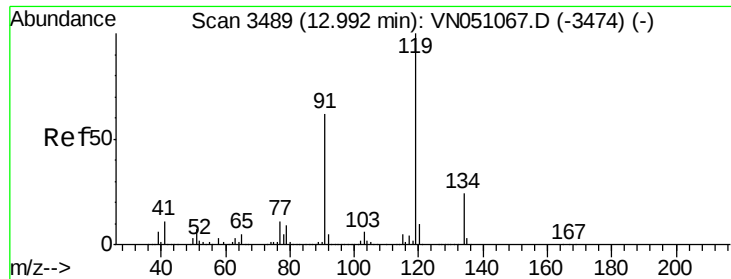
126 33.9 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

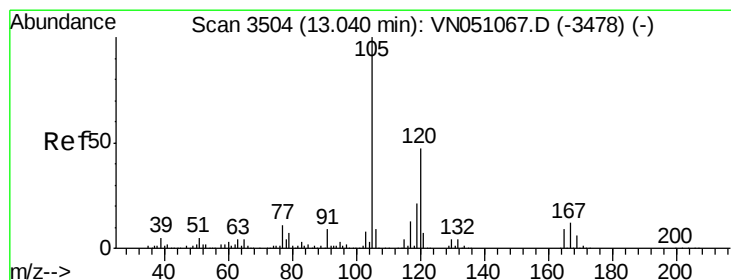
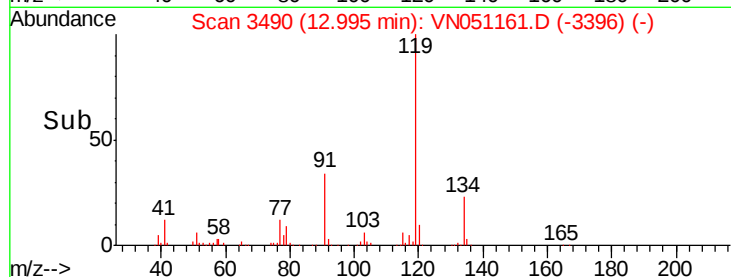
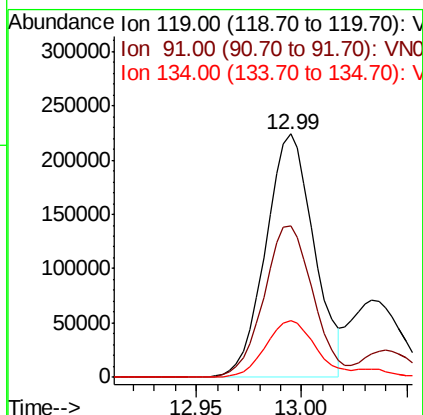
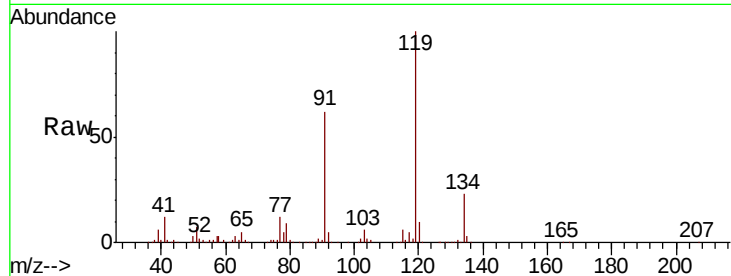




#83
 tert-Butylbenzene
 Concen: 17.45 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

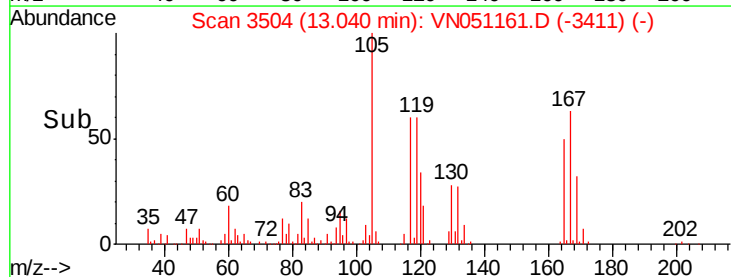
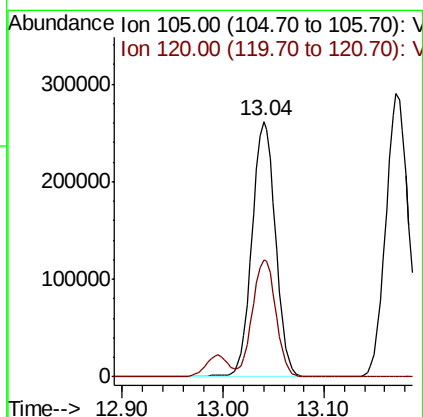
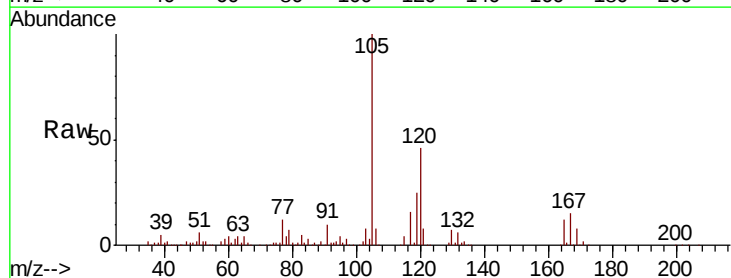
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

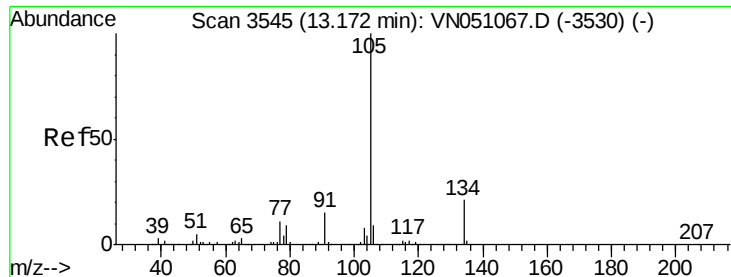
Tot Ion:119 Resp: 356775
 Ion Ratio Lower Upper
 119 100
 91 63.8 30.8 92.3
 134 24.3 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 18.37 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

Tgt Ion:105 Resp: 418378
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.3 69.8





#85

sec-Butylbenzene

Concen: 17.52 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

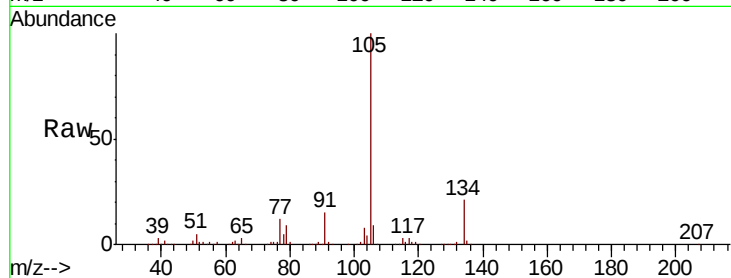
VN0913WBS01

Tot Ion:105 Resp: 459520

Ion Ratio Lower Upper

105 100

134 21.2 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

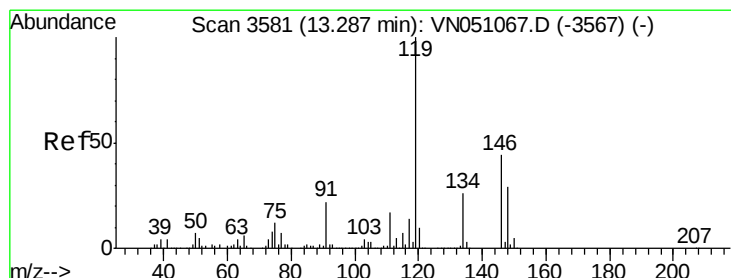
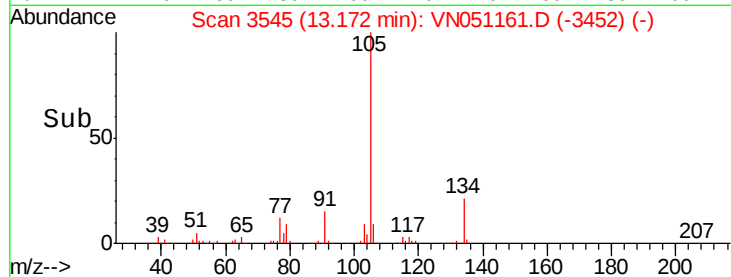
300000

200000

100000

0

Time--> 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 17.51 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

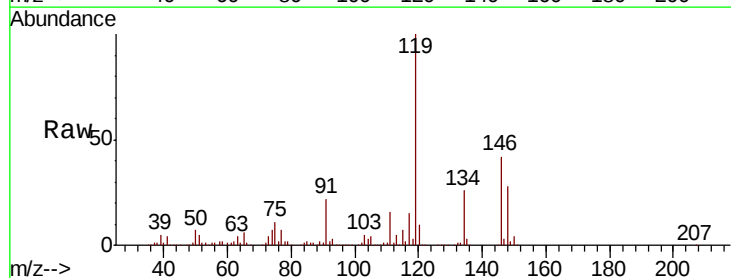
Tgt Ion:119 Resp: 389272

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 22.3 10.9 32.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

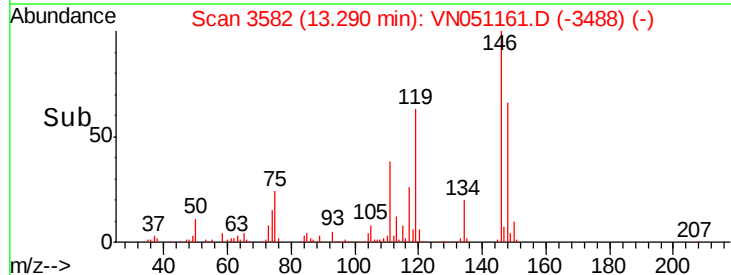
300000

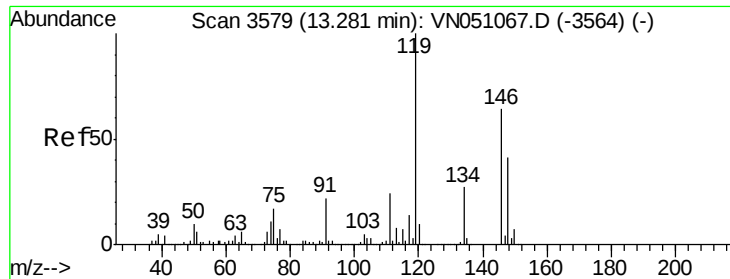
200000

100000

0

Time--> 13.20 13.25 13.30 13.35

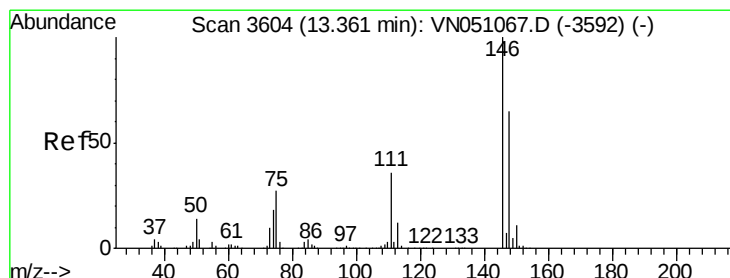
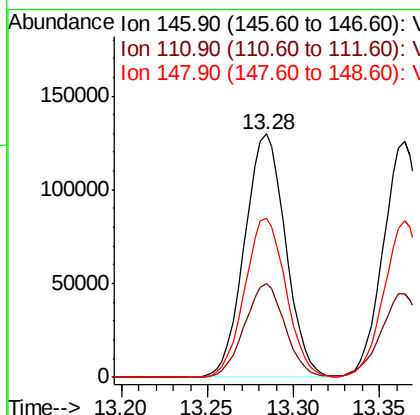
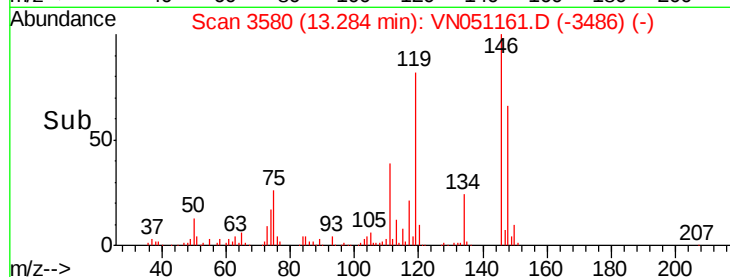
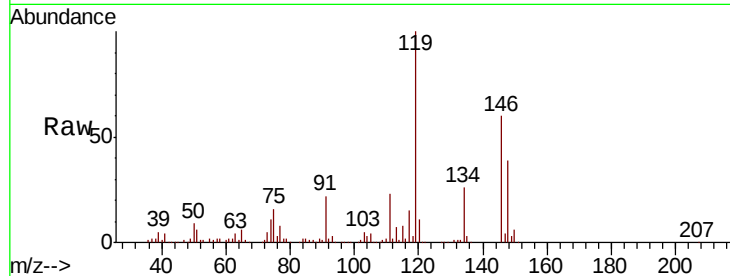




#87
 1,3-Dichlorobenzene
 Concen: 16.42 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

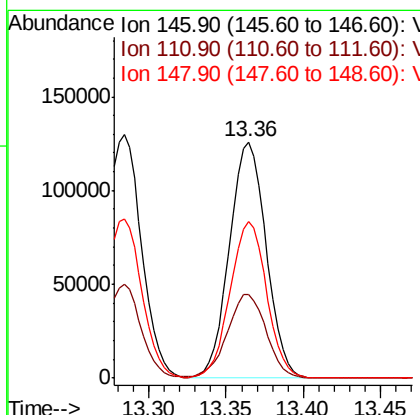
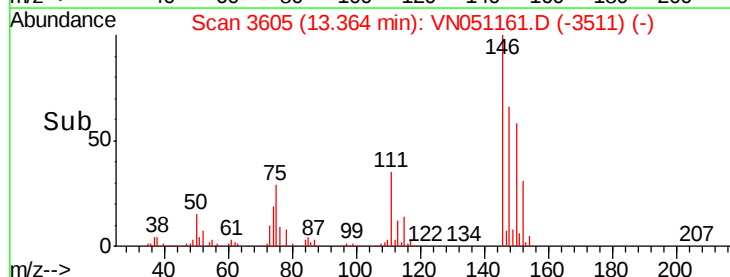
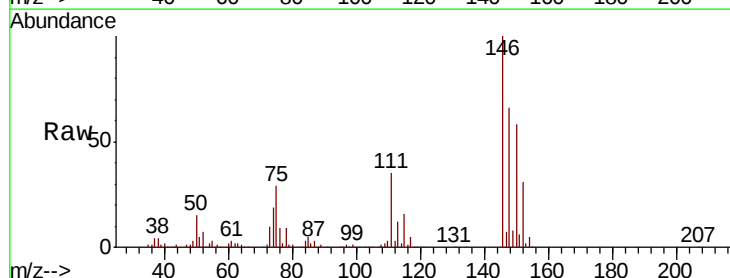
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

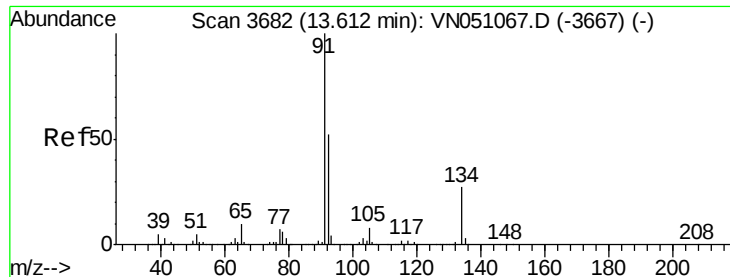
Tot Ion:146 Resp: 214277
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.1 57.1
 148 65.8 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 17.33 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

Tgt Ion:146 Resp: 207582
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.4 55.0
 148 65.9 32.2 96.6

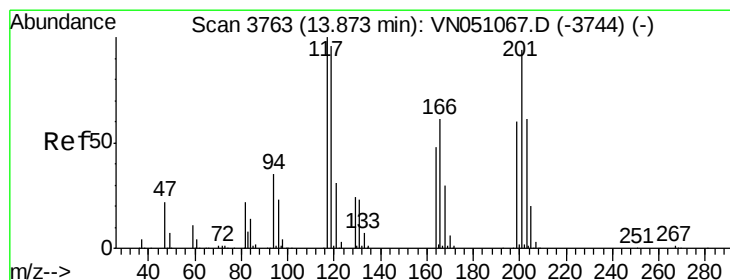
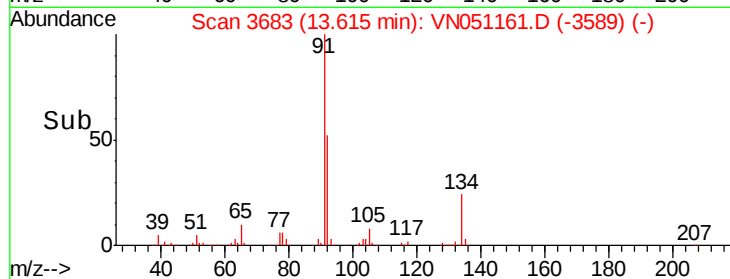
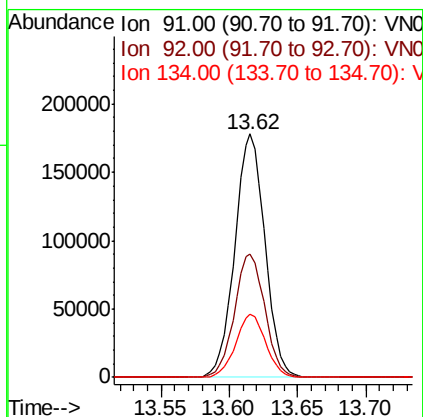
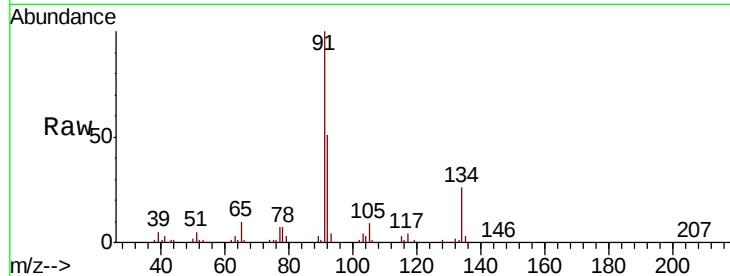




#89
n-Butylbenzene
Concen: 15.76 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

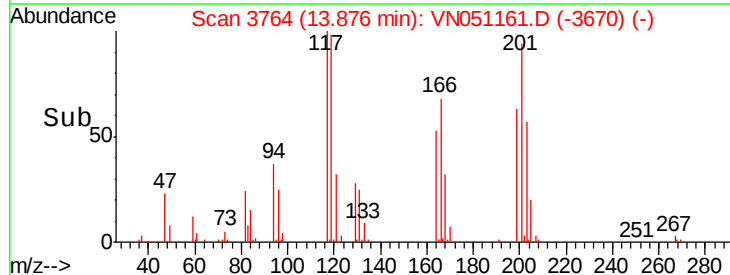
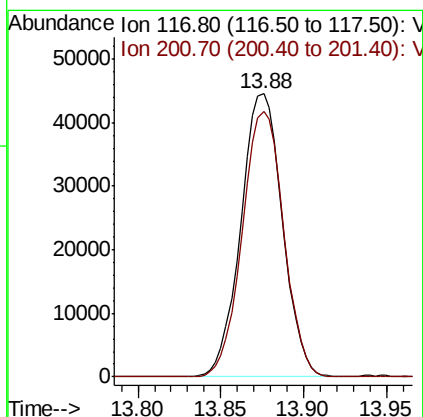
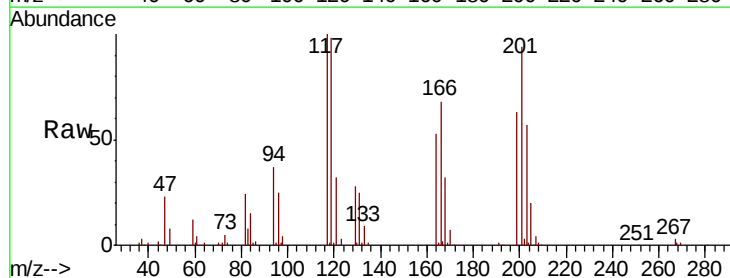
Instrument :
MSVOA_N
ClientSampled :
VN0913WBS01

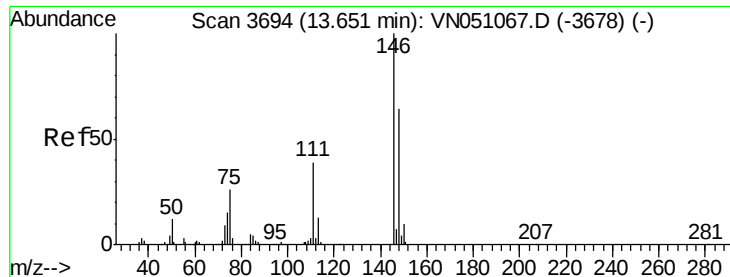
Tot Ion: 91 Resp: 272624
Ion Ratio Lower Upper
91 100
92 50.9 26.2 78.6
134 25.6 13.7 41.1



#90
Hexachloroethane
Concen: 18.81 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Tgt Ion: 117 Resp: 77700
Ion Ratio Lower Upper
117 100
201 93.2 47.3 142.0

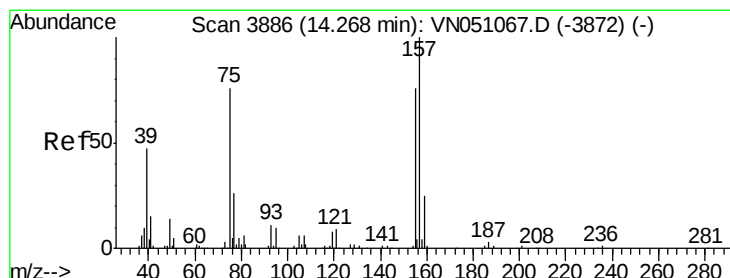
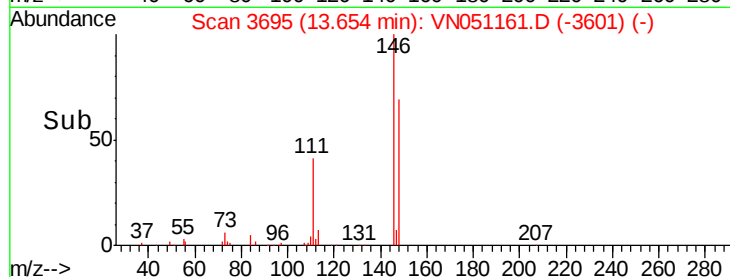
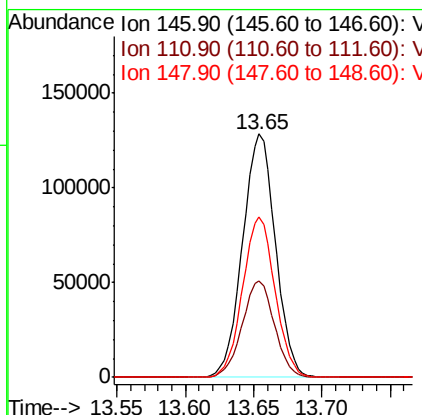
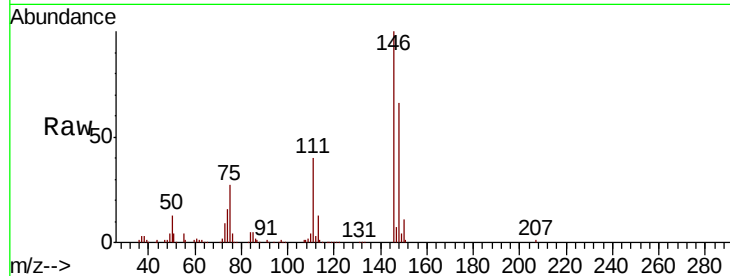




#91
 1,2-Dichlorobenzene
 Concen: 16.89 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

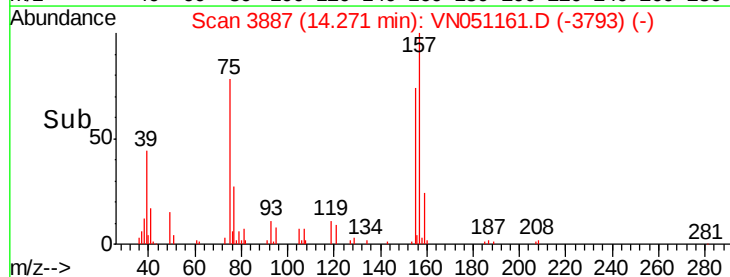
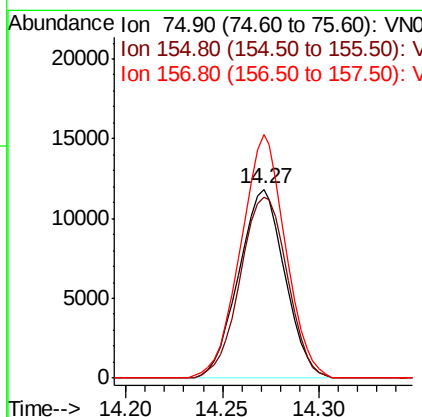
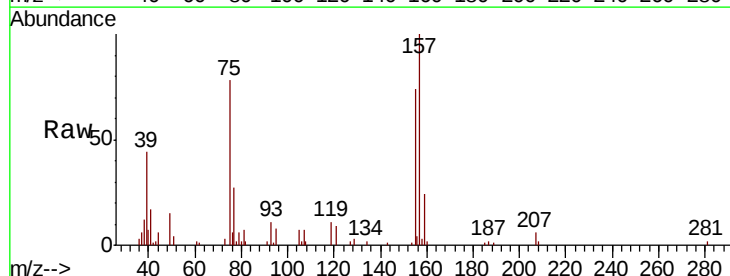
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

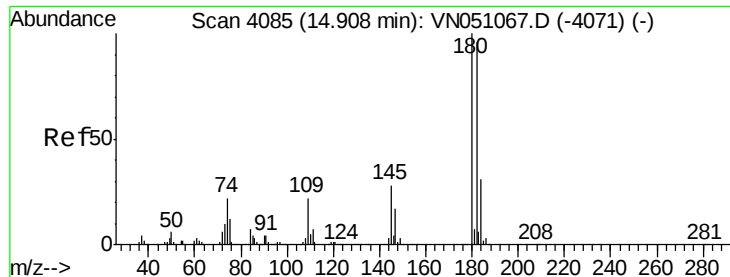
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.0
148	64.9	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.45 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.1	48.7	146.1
157	125.5	63.6	190.9

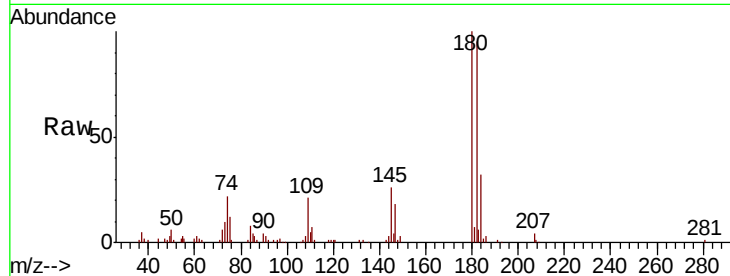




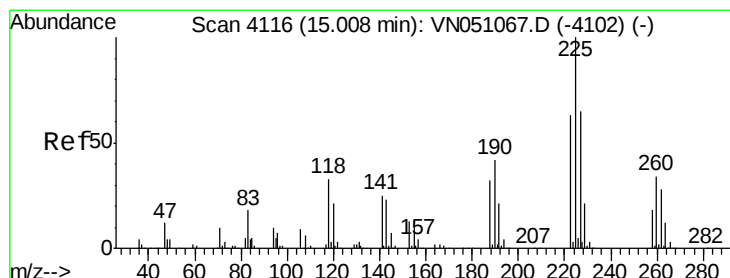
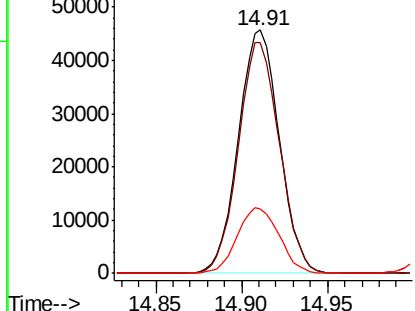
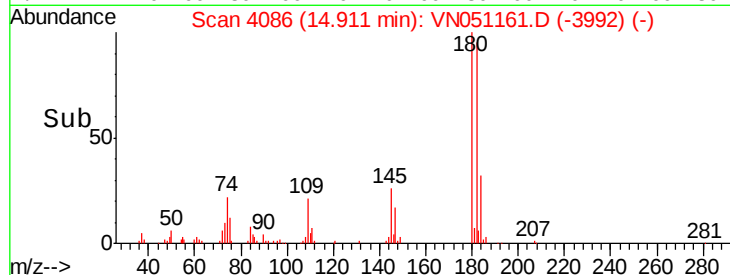
#93
 1,2,4-Trichlorobenzene
 Concen: 15.32 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

Tot Ion:180 Resp: 75746
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.3 141.8
 145 27.3 14.2 42.6

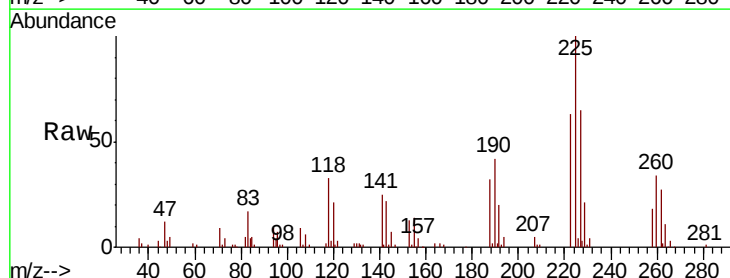


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

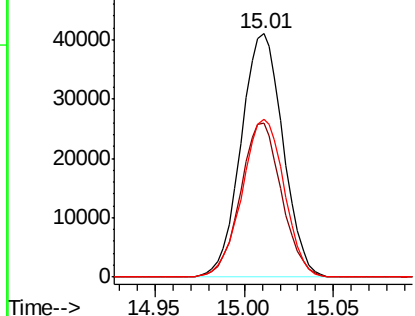
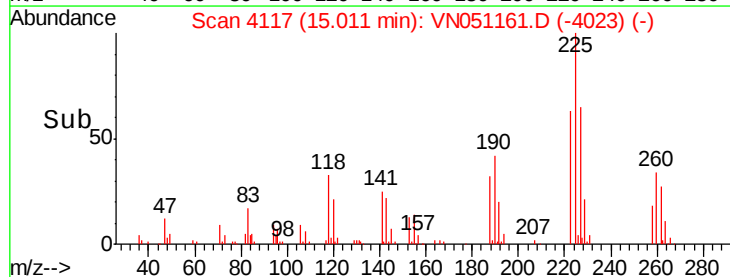


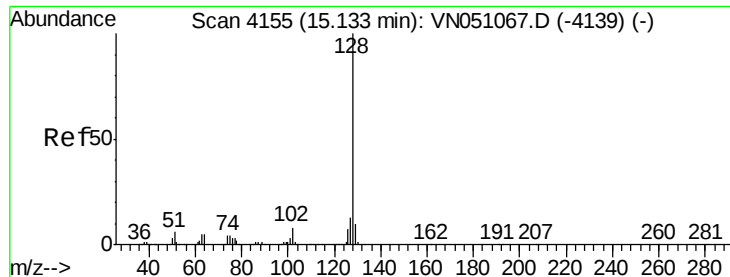
#94
 Hexachlorobutadiene
 Concen: 17.05 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

Tgt Ion:225 Resp: 67476
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.4 94.0
 227 65.3 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: 15.99 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS01

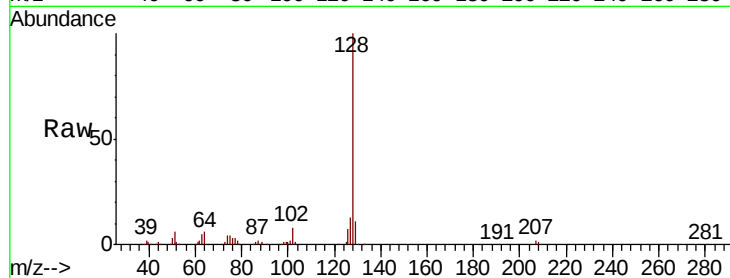
Tot Ion:128 Resp: 153166

Ion Ratio Lower Upper

128 100

127 13.4 10.6 15.8

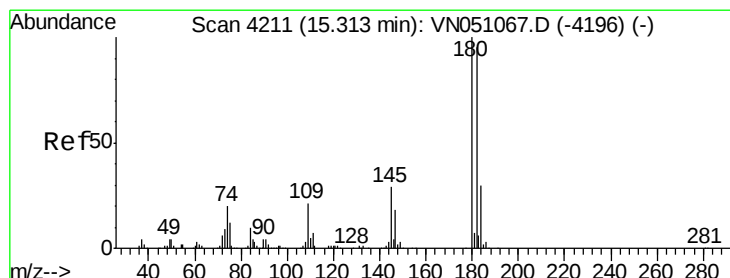
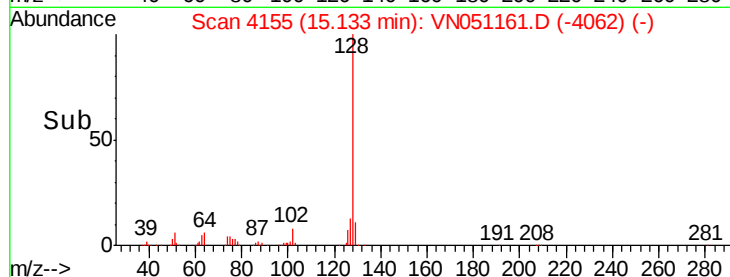
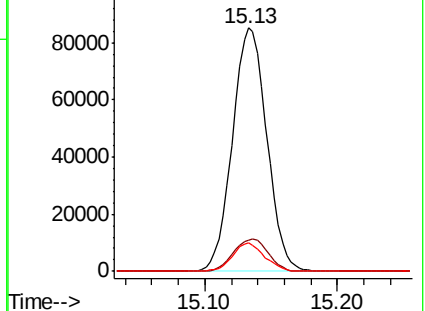
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.11 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

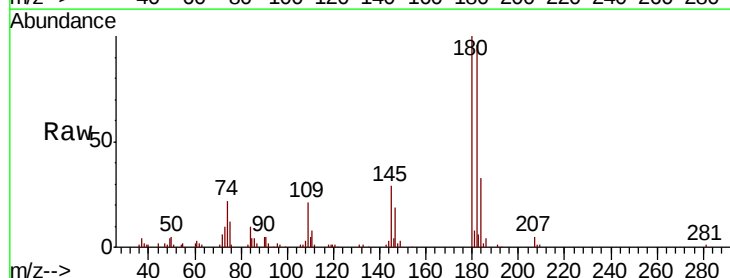
Tgt Ion:180 Resp: 82158

Ion Ratio Lower Upper

180 100

182 96.9 47.8 143.3

145 29.4 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

