

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030519\
 Data File : VN054101.D
 Acq On : 5 Mar 2019 16:08
 Operator : JC/SP
 Sample : VN0305WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305WBSD01

Quant Time: Mar 06 02:21:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	622710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1050868	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	903189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	394748	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	393571	53.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.84%	
35) Dibromofluoromethane	7.59	113	345452	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
50) Toluene-d8	10.09	98	1268055	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
62) 4-Bromofluorobenzene	12.40	95	410755	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	110496	19.281	ug/l	98
3) Chloromethane	2.06	50	160949	20.247	ug/l	99
4) Vinyl Chloride	2.18	62	165699	20.804	ug/l	100
5) Bromomethane	2.57	94	73722	13.976	ug/l	100
6) Chloroethane	2.71	64	97999	19.784	ug/l	100
7) Trichlorofluoromethane	3.02	101	207602	20.403	ug/l	100
8) Diethyl Ether	3.41	74	80066	21.003	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.76	101	128226	19.953	ug/l	93
10) Methyl Iodide	3.95	142	103858	12.299	ug/l	98
11) Tert butyl alcohol	4.78	59	51097	110.421	ug/l	99
12) 1,1-Dichloroethene	3.74	96	123971	20.167	ug/l	94
13) Acrolein	3.61	56	25883	54.024	ug/l	94
14) Allyl chloride	4.33	41	223629	20.742	ug/l	96
15) Acrylonitrile	4.99	53	267294	109.596	ug/l	99
16) Acetone	3.81	43	184256	87.452	ug/l	100
17) Carbon Disulfide	4.05	76	359793	18.143	ug/l	97
18) Methyl Acetate	4.32	43	122835	24.066	ug/l	95
19) Methyl tert-butyl Ether	5.04	73	358663	21.750	ug/l	98
20) Methylene Chloride	4.55	84	147656	20.438	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	134551	20.223	ug/l	93
22) Diisopropyl ether	5.95	45	456745	21.959	ug/l	94
23) Vinyl Acetate	5.90	43	1567943	104.788	ug/l	96
24) 1,1-Dichloroethane	5.85	63	268971	21.087	ug/l	99
25) 2-Butanone	6.83	43	296830	103.563	ug/l	96
26) 2,2-Dichloropropane	6.82	77	171039	18.874	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	156279	21.121	ug/l	96
28) Bromochloromethane	7.19	49	125718	21.533	ug/l	82
29) Tetrahydrofuran	7.21	42	210246	110.153	ug/l	93
30) Chloroform	7.37	83	259161	20.954	ug/l	99
31) Cyclohexane	7.65	56	242616	20.543	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	212132	20.801	ug/l	97
36) 1,1-Dichloropropene	7.79	75	187370	19.173	ug/l	99
37) Ethyl Acetate	6.93	43	133913	19.191	ug/l	98
38) Carbon Tetrachloride	7.77	117	184119	18.115	ug/l	100

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	213990	18.167	ug/l	96
40) Benzene	8.04	78	601167	20.024	ug/l	100
41) Methacrylonitrile	7.17	41	63889	14.219	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	190128	20.455	ug/l	97
43) Isopropyl Acetate	8.16	43	234231	19.881	ug/l #	91
44) Trichloroethene	8.83	130	155917	19.590	ug/l	92
45) 1,2-Dichloropropane	9.12	63	163762	20.218	ug/l	99
46) Dibromomethane	9.21	93	92984	19.774	ug/l	94
47) Bromodichloromethane	9.40	83	198547	20.035	ug/l	99
48) Methyl methacrylate	9.20	41	116229	21.447	ug/l	90
49) 1,4-Dioxane	9.20	88	31374	427.432	ug/l #	92
51) 4-Methyl-2-Pentanone	9.99	43	636520	105.134	ug/l	95
52) Toluene	10.16	92	351580	19.888	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	187416	19.437	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	222174	19.545	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	132276	20.036	ug/l	98
56) Ethyl methacrylate	10.43	69	153844	19.032	ug/l	90
57) 1,3-Dichloropropane	10.71	76	227009	20.350	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	345277	94.623	ug/l	96
59) 2-Hexanone	10.75	43	396596	100.719	ug/l	94
60) Dibromochloromethane	10.90	129	142011	19.355	ug/l	100
61) 1,2-Dibromoethane	11.00	107	126021	19.788	ug/l	97
64) Tetrachloroethene	10.63	164	154841	20.246	ug/l	96
65) Chlorobenzene	11.43	112	379304	19.899	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	136666	19.894	ug/l	99
67) Ethyl Benzene	11.51	91	633604	19.828	ug/l	99
68) m/p-Xylenes	11.62	106	484512	40.173	ug/l	97
69) o-Xylene	11.95	106	237188	20.015	ug/l	98
70) Styrene	11.96	104	376250	20.642	ug/l	99
71) Bromoform	12.13	173	93006	19.460	ug/l #	99
73) Isopropylbenzene	12.25	105	616731	20.070	ug/l	99
74) N-amyl acetate	12.07	43	171741	21.324	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	155559	20.244	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	189577	29.937	ug/l #	100
77) Bromobenzene	12.53	156	154806	19.843	ug/l	90
78) n-propylbenzene	12.59	91	702374	20.099	ug/l	98
79) 2-Chlorotoluene	12.67	91	424917	20.241	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	514478	20.451	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	36668	18.302	ug/l	88
82) 4-Chlorotoluene	12.77	91	420591	20.271	ug/l	97
83) tert-Butylbenzene	12.99	119	457432	20.559	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	522272	20.796	ug/l	99
85) sec-Butylbenzene	13.17	105	608956	20.039	ug/l	98
86) p-Isopropyltoluene	13.29	119	517266	20.135	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	267847	19.846	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	258186	19.718	ug/l	98
89) n-Butylbenzene	13.62	91	414250	19.134	ug/l	98
90) Hexachloroethane	13.87	117	91114	18.303	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	265990	20.360	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22016	20.274	ug/l	90

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Quant Title : SW846 8260
QLast Update : Thu Feb 28 04:05:45 2019
Response via : Initial Calibration

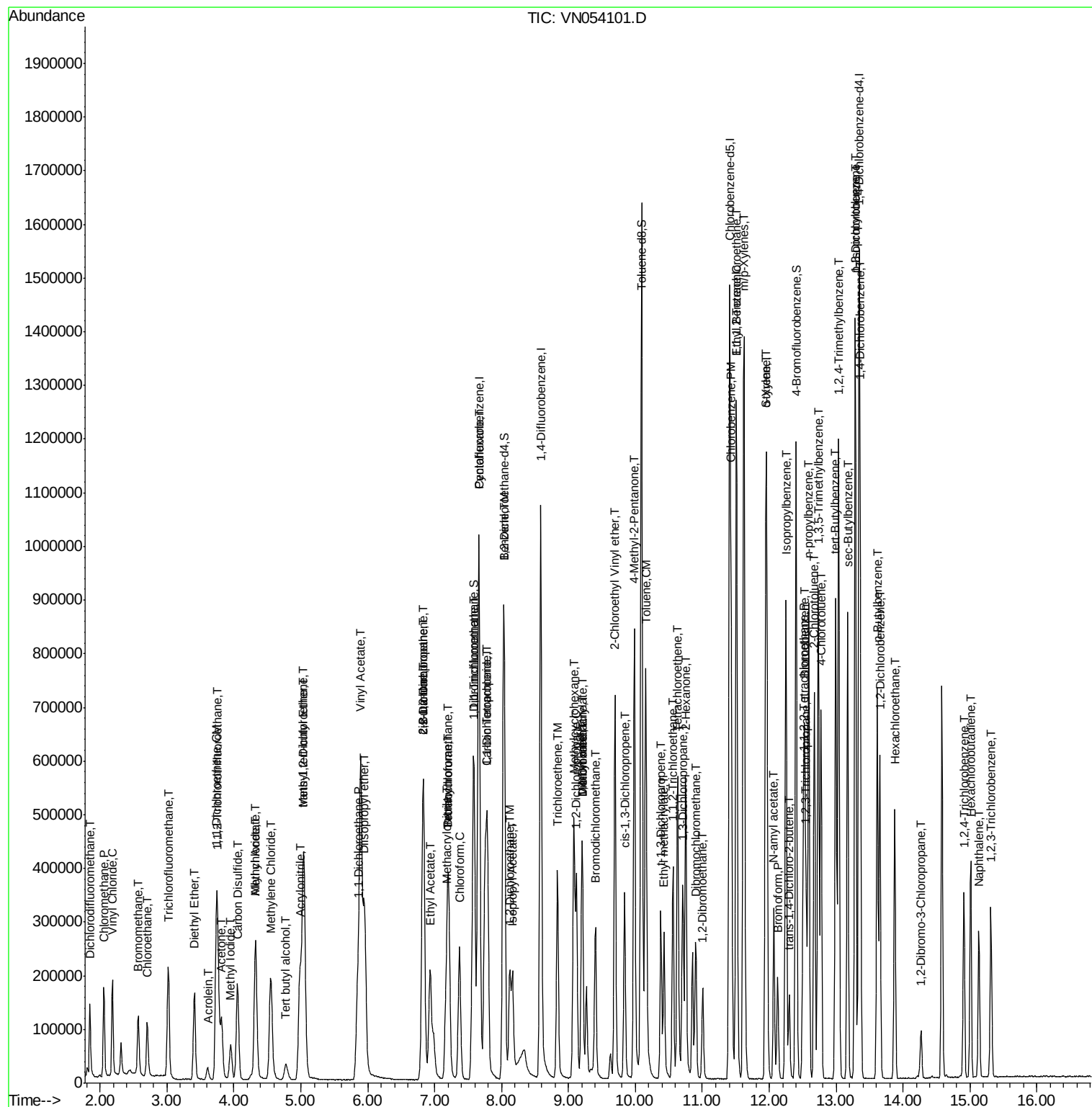
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	117048	17.637	ug/l	98
94) Hexachlorobutadiene	15.01	225	84909	17.992	ug/l	98
95) Naphthalene	15.13	128	234002	17.222	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	116035	17.711	ug/l	96

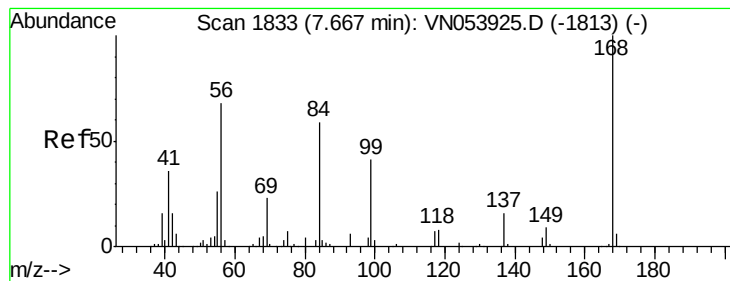
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030519\
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

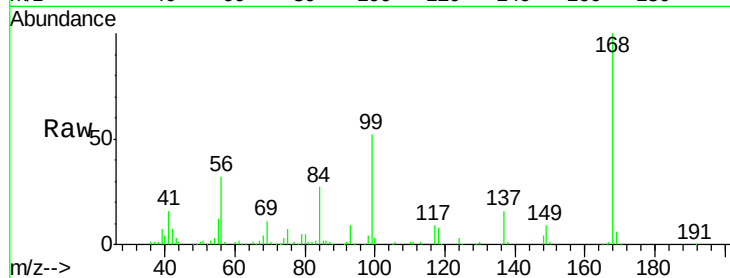
VN0305WBSD01

Tot Ion:168 Resp: 622710

Ion Ratio Lower Upper

168 100

99 49.9 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

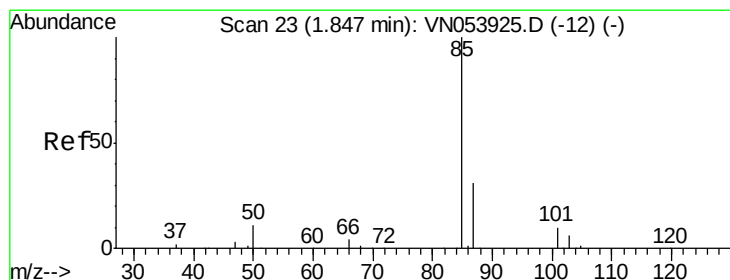
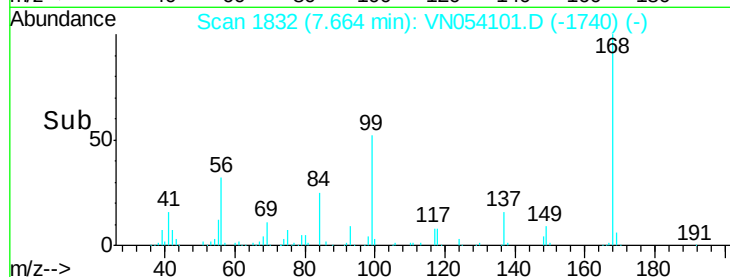
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.281 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN054101.D

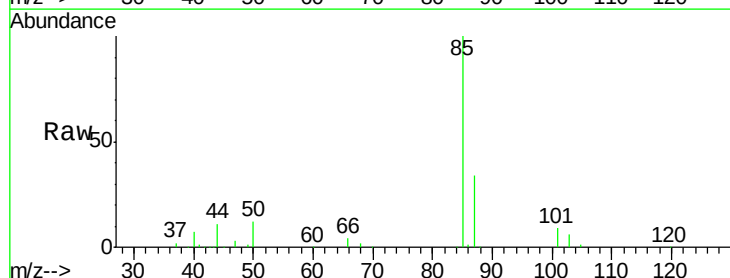
Acq: 5 Mar 2019 16:08

Tgt Ion: 85 Resp: 110496

Ion Ratio Lower Upper

85 100

87 33.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

80000

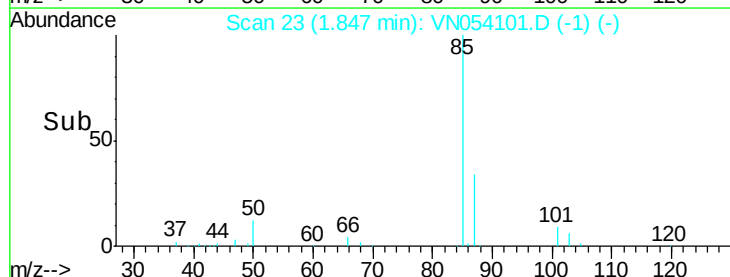
60000

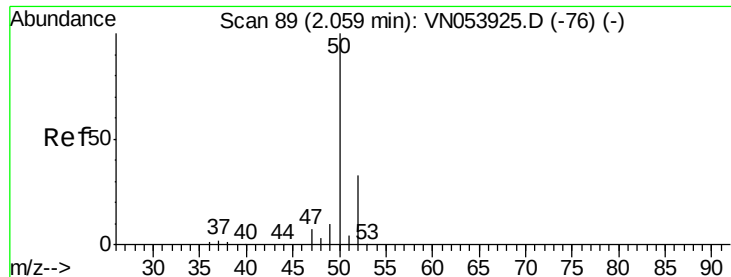
40000

20000

0

Time-->





#3

Chloromethane

Concen: 20.247 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

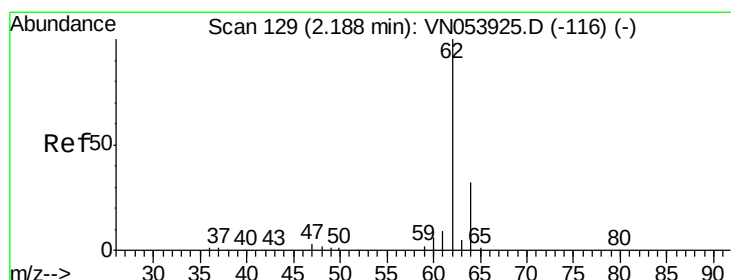
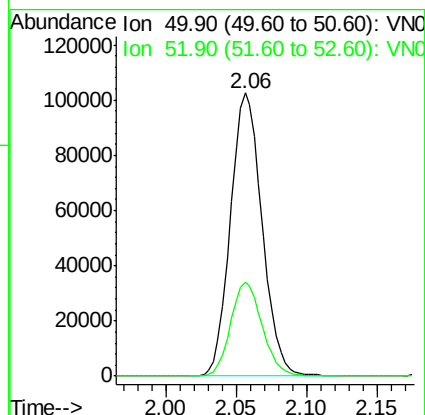
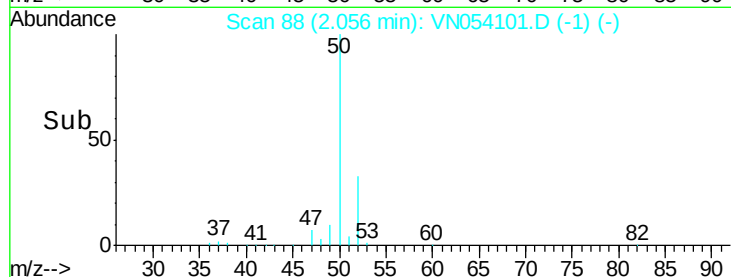
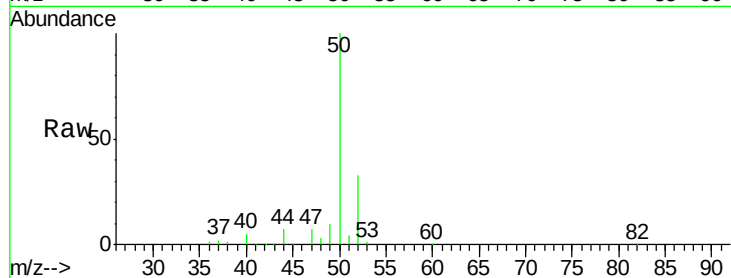
VN0305WBSD01

Tot Ion: 50 Resp: 160949

Ion Ratio Lower Upper

50 100

52 33.0 26.0 39.0



#4

Vinyl Chloride

Concen: 20.804 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN054101.D

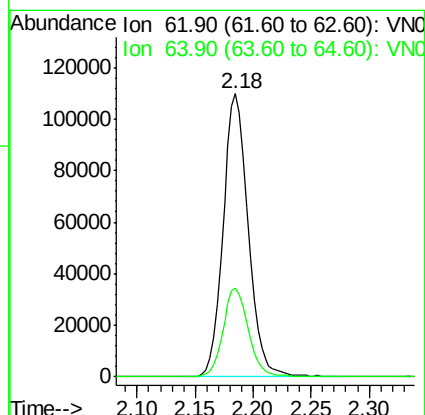
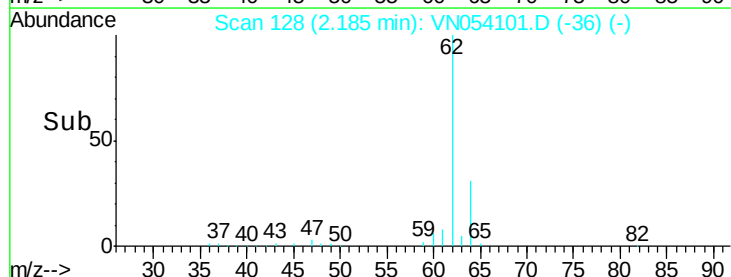
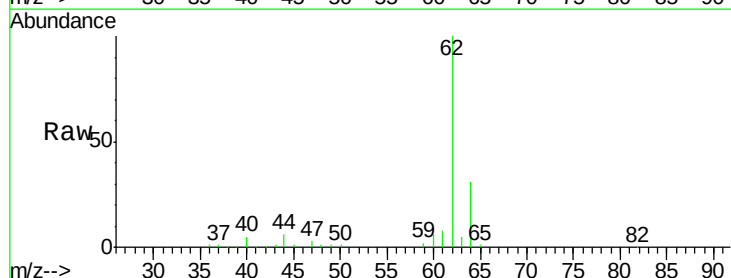
Acq: 5 Mar 2019 16:08

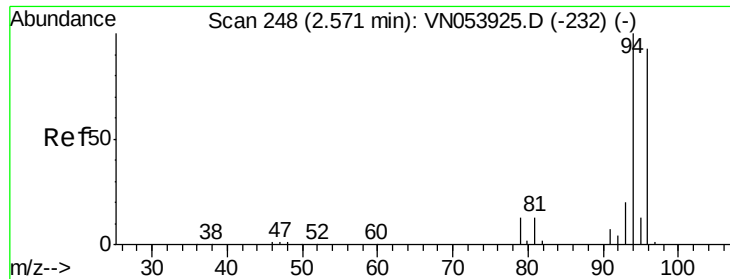
Tgt Ion: 62 Resp: 165699

Ion Ratio Lower Upper

62 100

64 31.3 25.1 37.7





#5

Bromomethane

Concen: 13.976 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

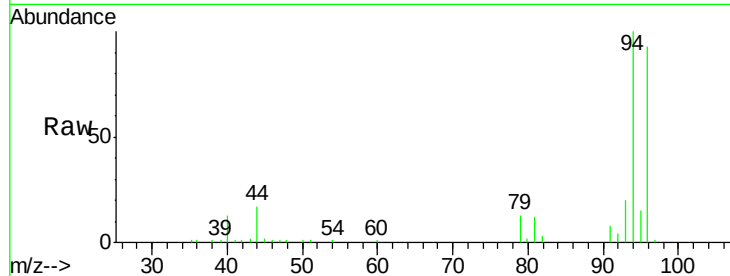
VN0305WBSD01

Tot Ion: 94 Resp: 73722

Ion Ratio Lower Upper

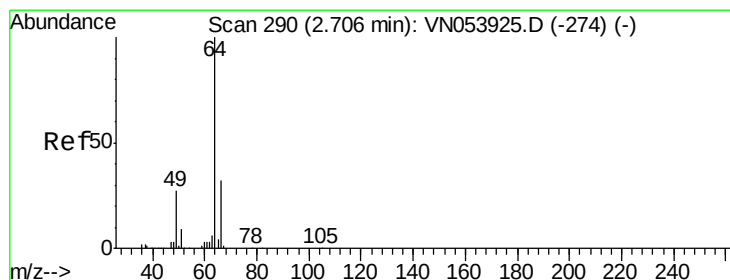
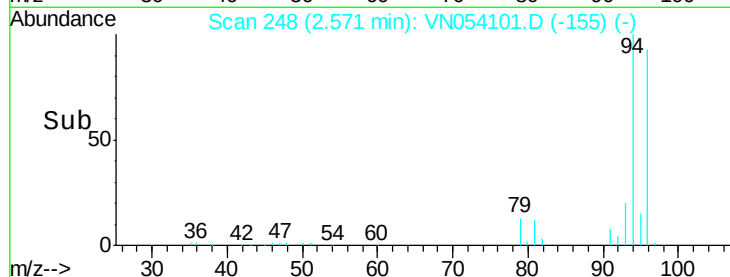
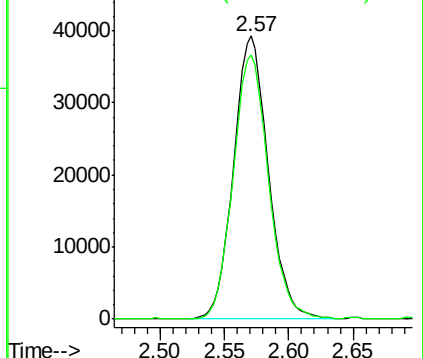
94 100

96 93.3 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.784 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN054101.D

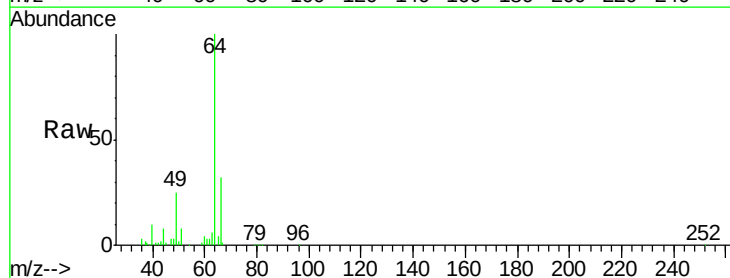
Acq: 5 Mar 2019 16:08

Tgt Ion: 64 Resp: 97999

Ion Ratio Lower Upper

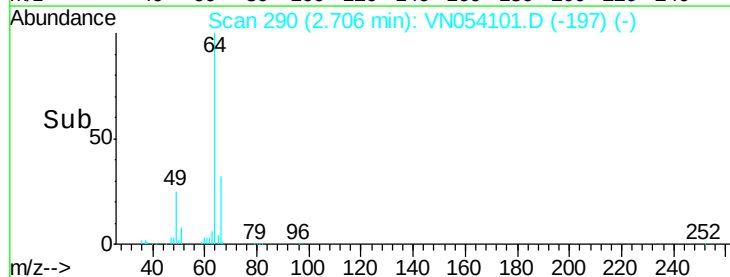
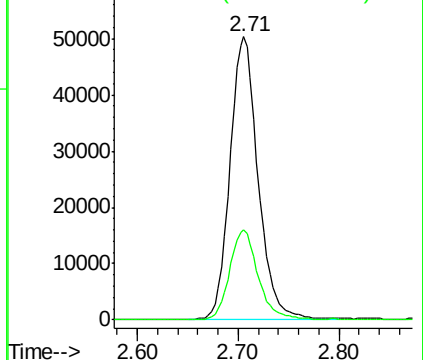
64 100

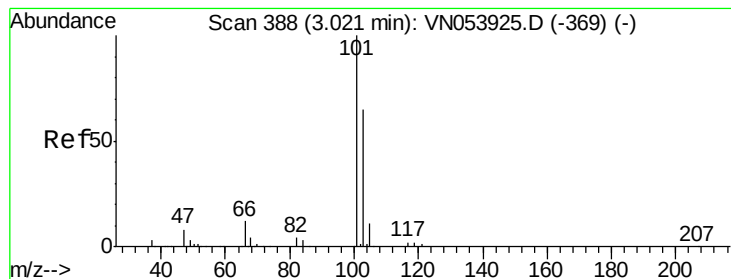
66 31.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



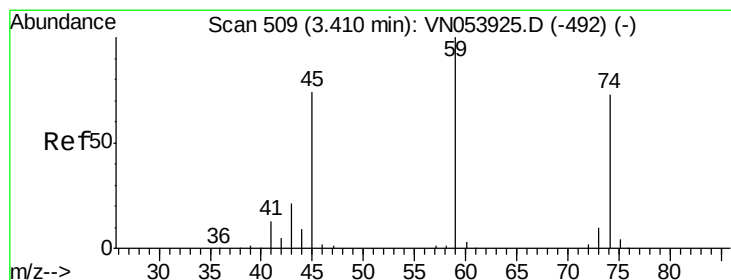
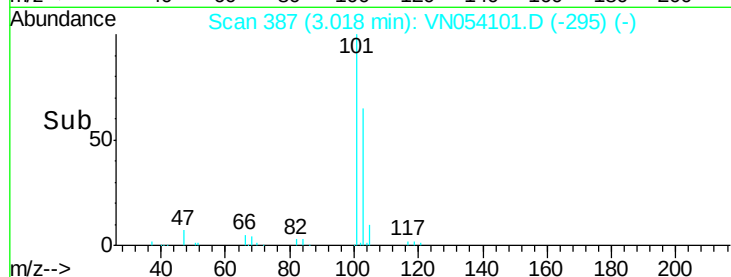
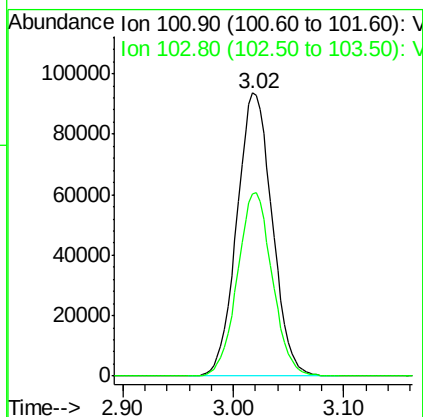
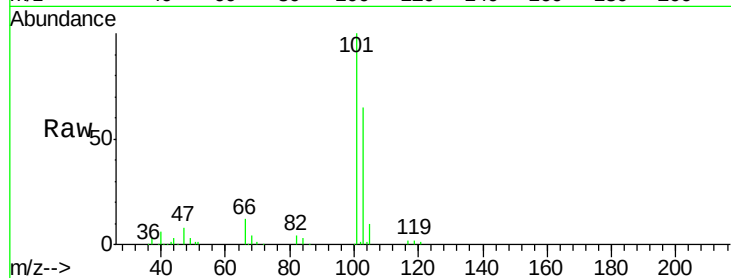


#7

Trichlorofluoromethane
Concen: 20.403 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN054101.D
Acq: 5 Mar 2019 16:08

Instrument :
MSVOA_N
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VN0305WBSD01

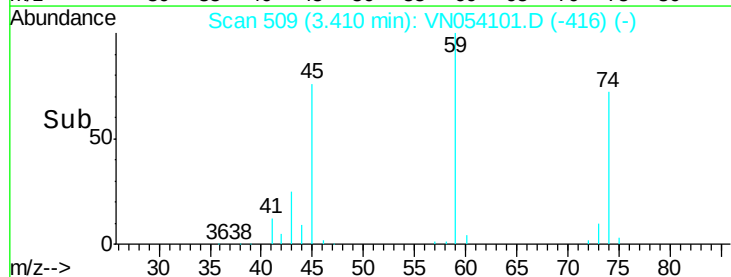
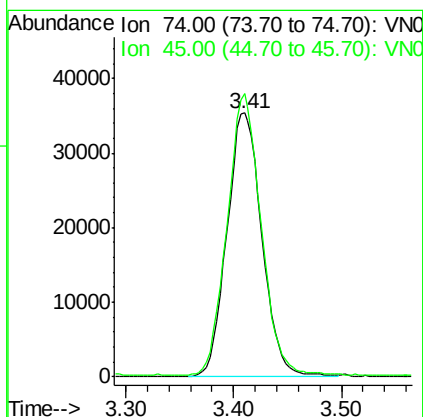
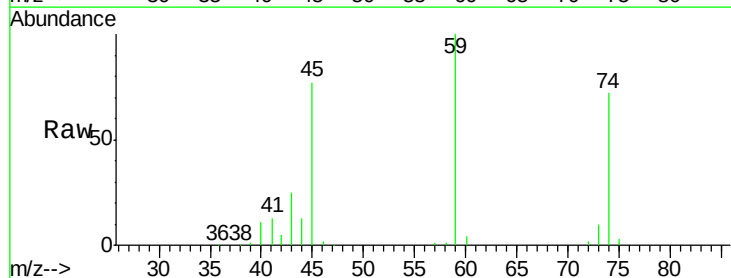
Tot Ion:101 Resp: 207602
Ion Ratio Lower Upper
101 100
103 64.5 51.9 77.9

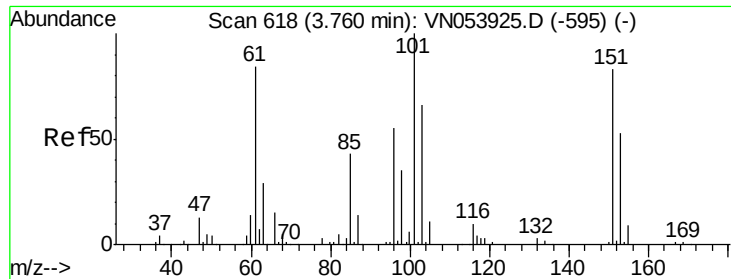


#8

Diethyl Ether
Concen: 21.003 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN054101.D
Acq: 5 Mar 2019 16:08

Tgt Ion: 74 Resp: 80066
Ion Ratio Lower Upper
74 100
45 103.6 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.953 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

VN0305WBSD01

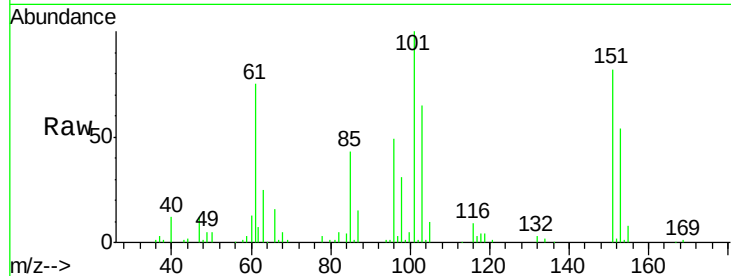
Tot Ion:101 Resp: 128226

Ion Ratio Lower Upper

101 100

85 42.1 32.5 48.7

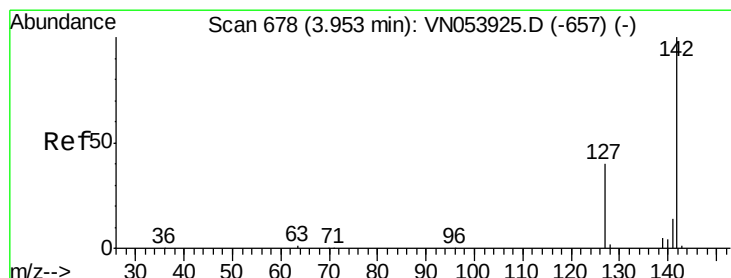
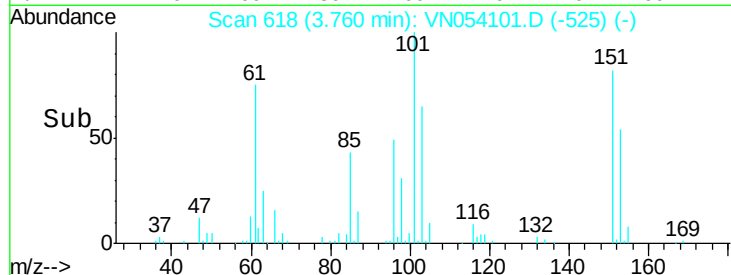
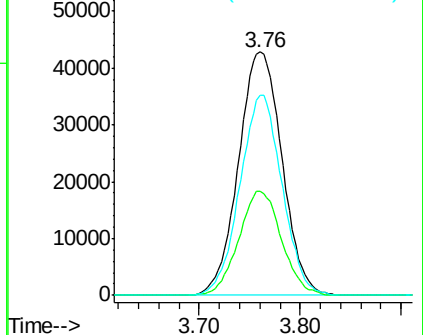
151 79.7 70.2 105.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 12.299 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

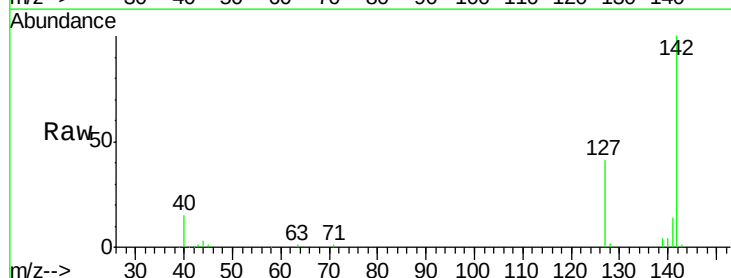
Tgt Ion:142 Resp: 103858

Ion Ratio Lower Upper

142 100

127 40.3 31.0 46.4

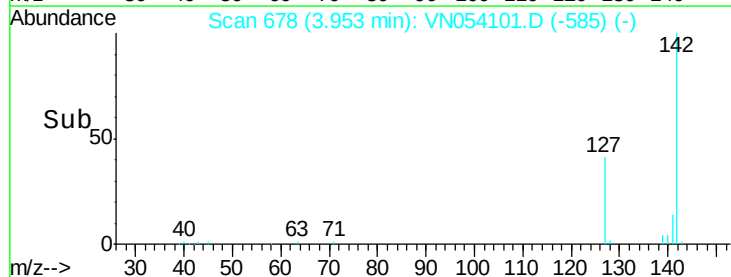
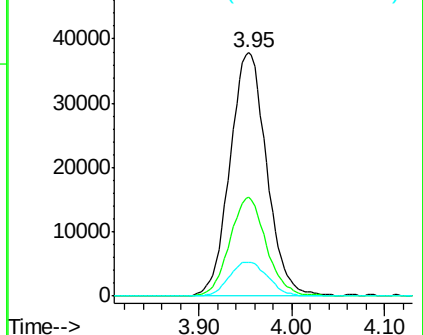
141 14.5 11.3 16.9

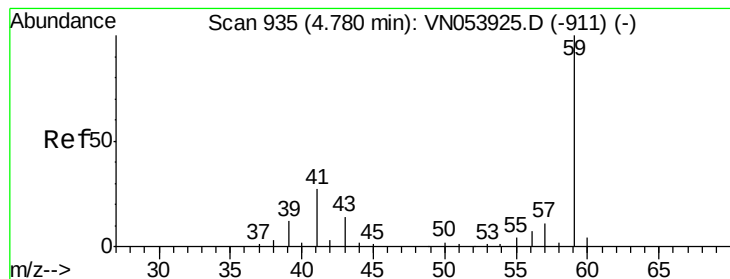


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



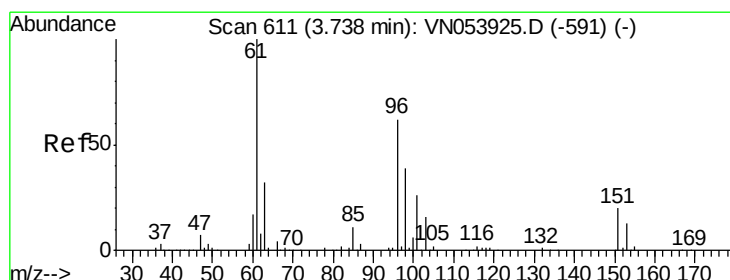
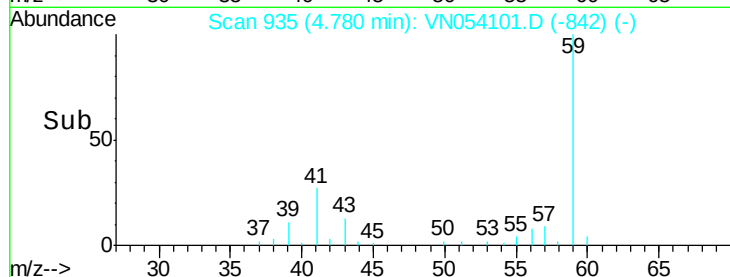
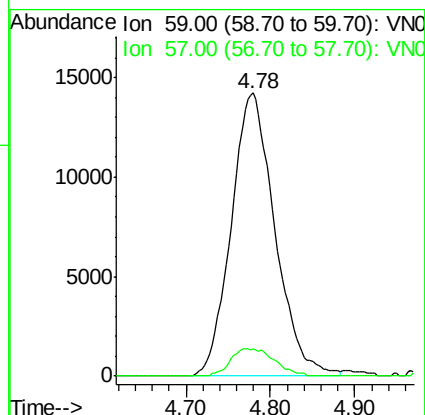
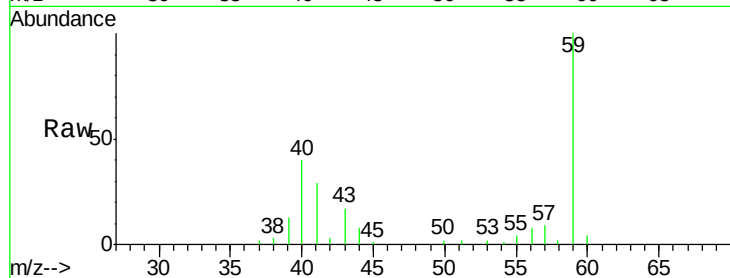


#11

Tert butyl alcohol
 Concen: 110.421 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN054101.D
 Acq: 5 Mar 2019 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305WBSD01

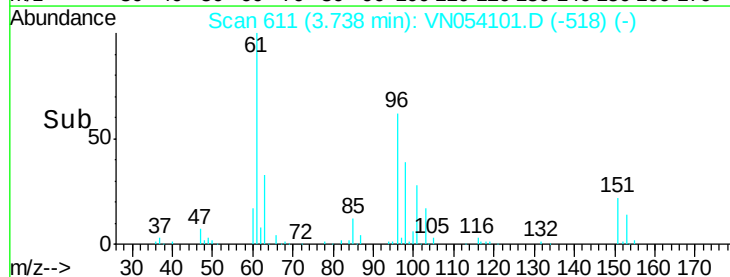
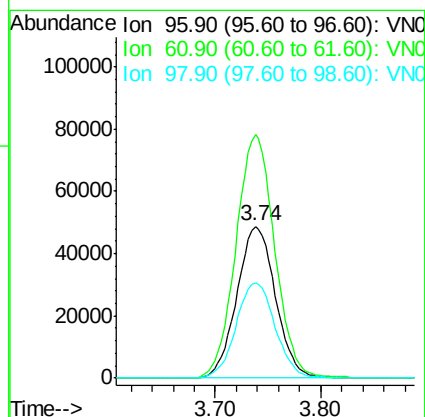
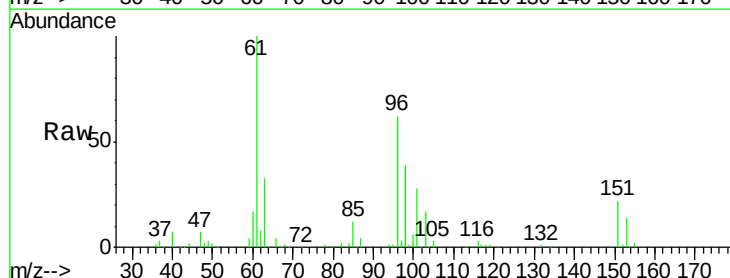
Tot Ion: 59 Resp: 51097
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.1 12.1

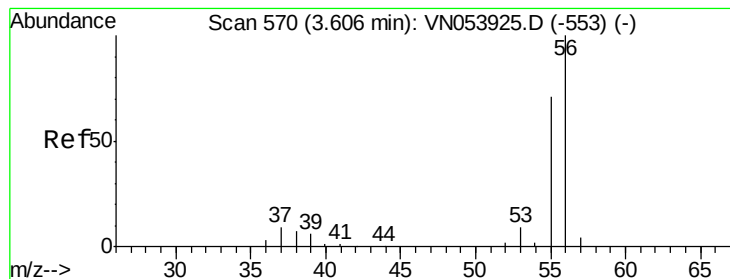


#12

1,1-Dichloroethene
 Concen: 20.167 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN054101.D
 Acq: 5 Mar 2019 16:08

Tgt Ion: 96 Resp: 123971
 Ion Ratio Lower Upper
 96 100
 61 160.5 121.0 181.4
 98 62.4 52.2 78.2





#13

Acrolein

Concen: 54.024 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

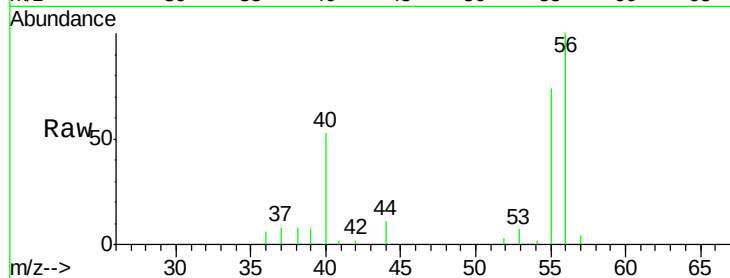
VN0305WBSD01

Tot Ion: 56 Resp: 25883

Ion Ratio Lower Upper

56 100

55 75.0 56.3 84.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

10000

8000

6000

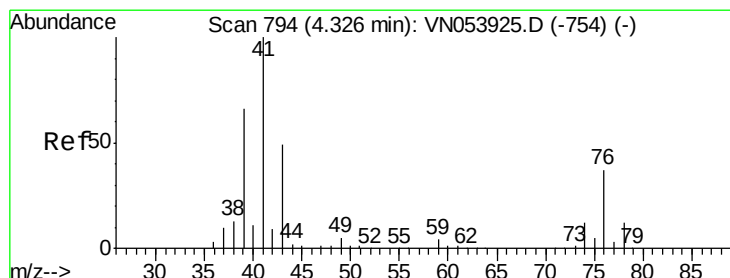
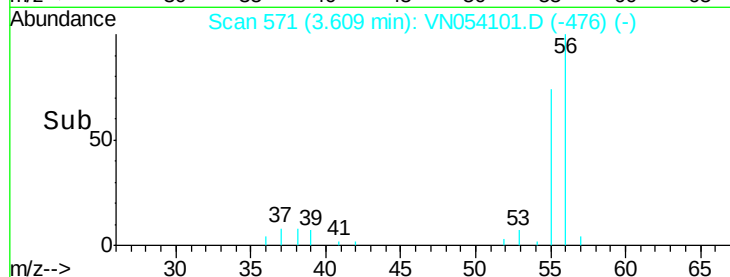
4000

2000

0

Time-->

3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 20.742 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

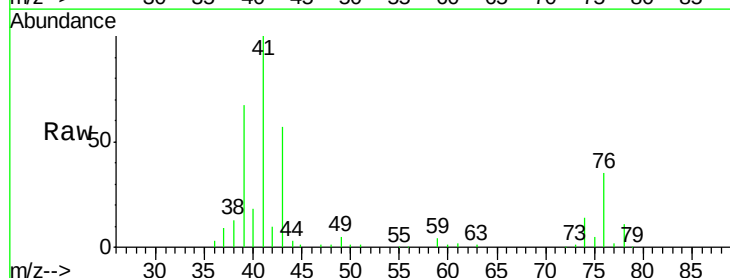
Tgt Ion: 41 Resp: 223629

Ion Ratio Lower Upper

41 100

39 62.4 48.8 73.2

76 33.8 30.9 46.3



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.33

100000

80000

60000

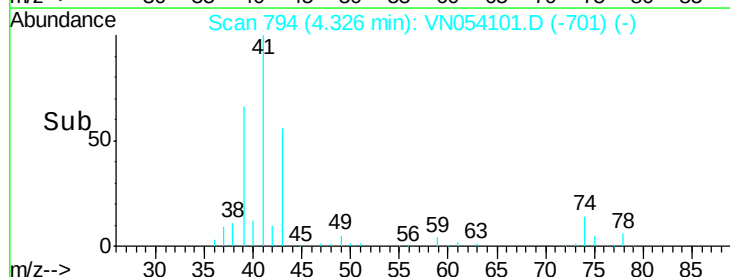
40000

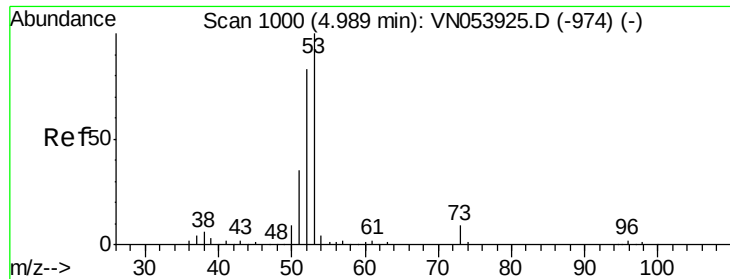
20000

0

Time-->

4.10 4.20 4.30 4.40 4.50

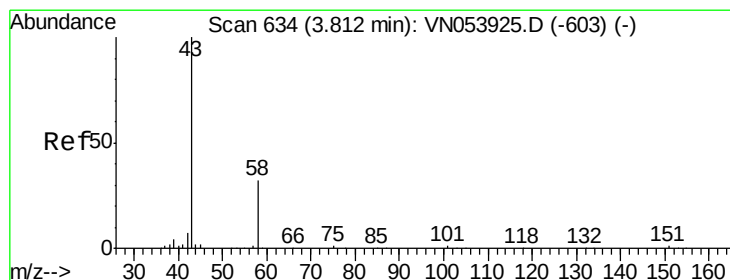
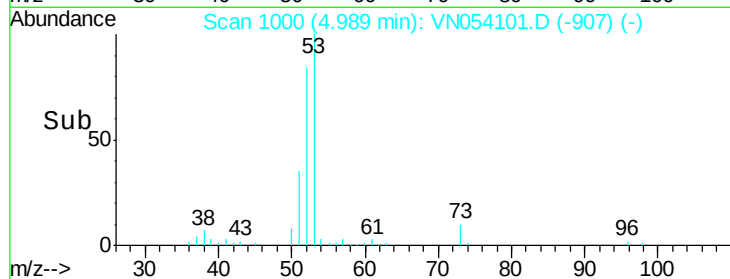
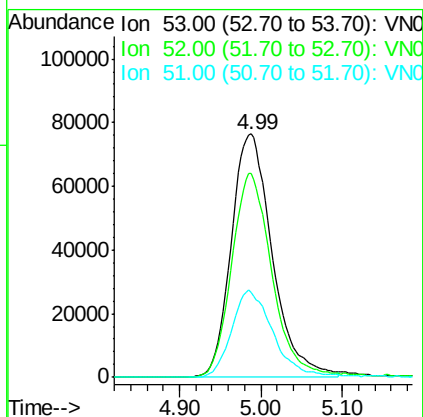
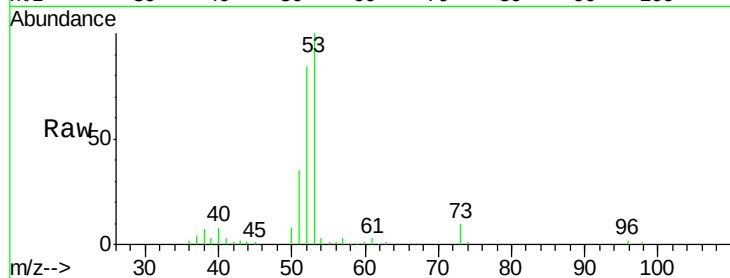




#15
 Acrylonitrile
 Concen: 109.596 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN054101.D
 Acq: 5 Mar 2019 16:08

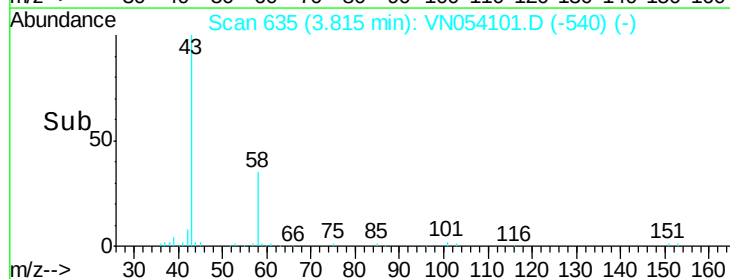
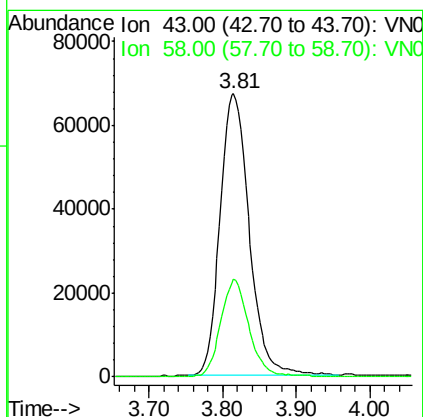
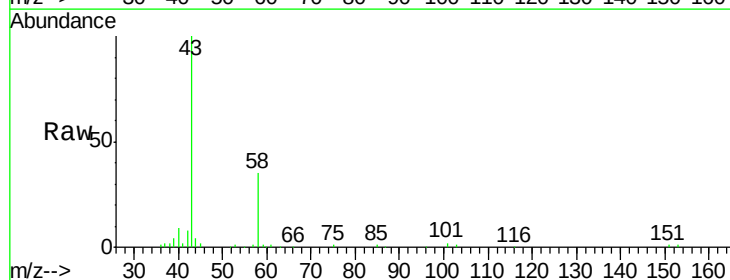
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0305WBSD01

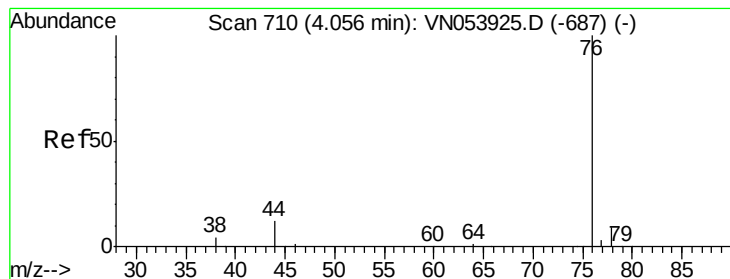
Tot Ion: 53 Resp: 267294
 Ion Ratio Lower Upper
 53 100
 52 82.0 65.1 97.7
 51 36.2 28.2 42.4



#16
 Acetone
 Concen: 87.452 ug/l
 RT: 3.81 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VN054101.D
 Acq: 5 Mar 2019 16:08

Tgt Ion: 43 Resp: 184256
 Ion Ratio Lower Upper
 43 100
 58 34.8 27.6 41.4





#17

Carbon Disulfide

Concen: 18.143 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

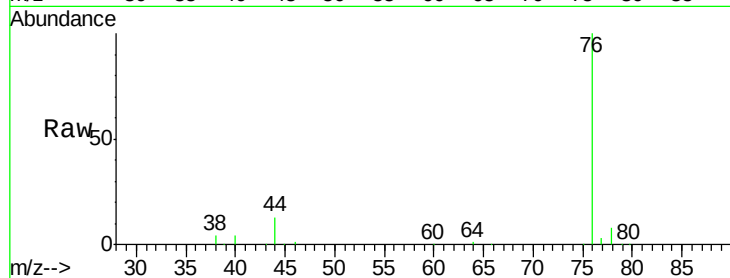
VN0305WBSD01

Tot Ion: 76 Resp: 359793

Ion Ratio Lower Upper

76 100

78 8.3 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

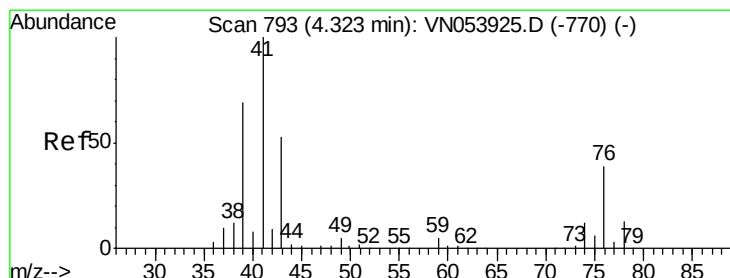
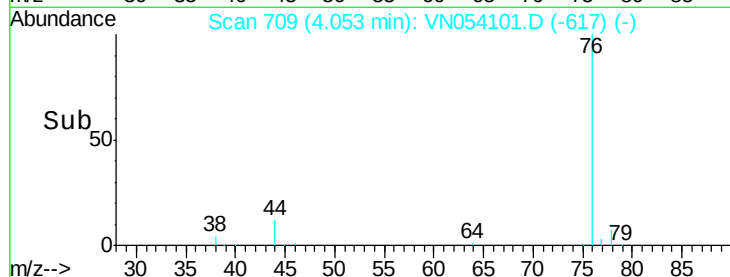
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 24.066 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN054101.D

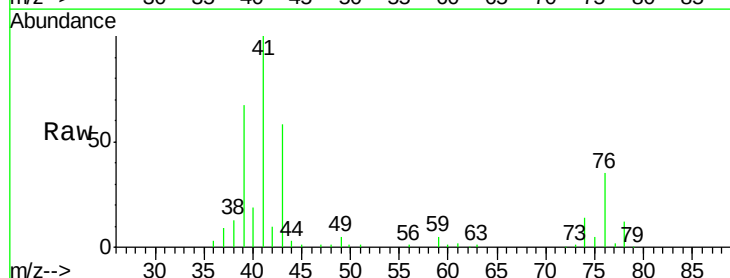
Acq: 5 Mar 2019 16:08

Tgt Ion: 43 Resp: 122835

Ion Ratio Lower Upper

43 100

74 23.3 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

40000

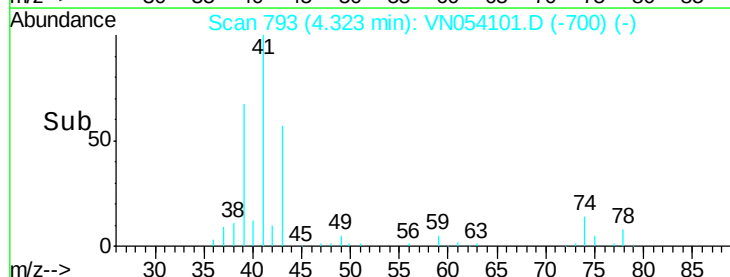
30000

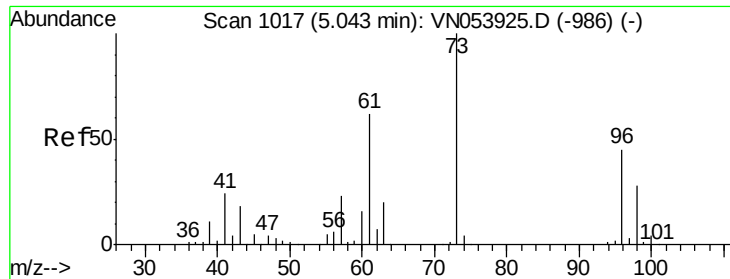
20000

10000

0

Time-->

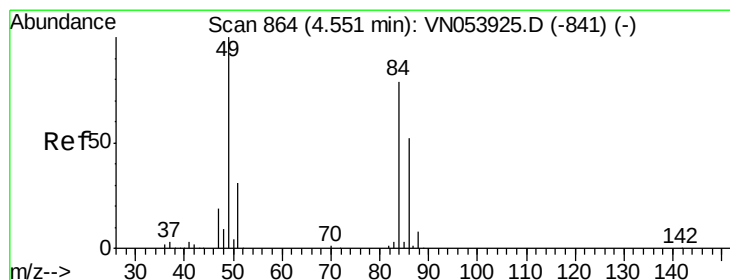
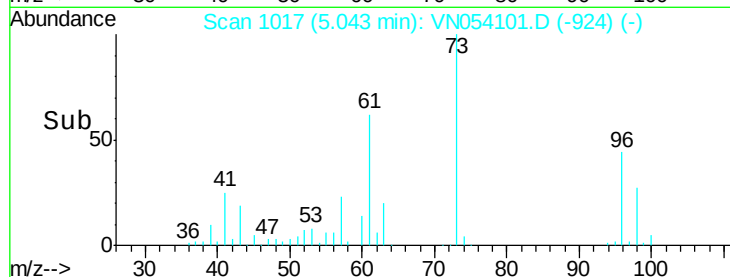
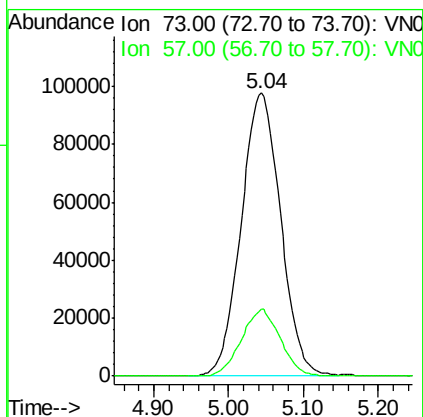
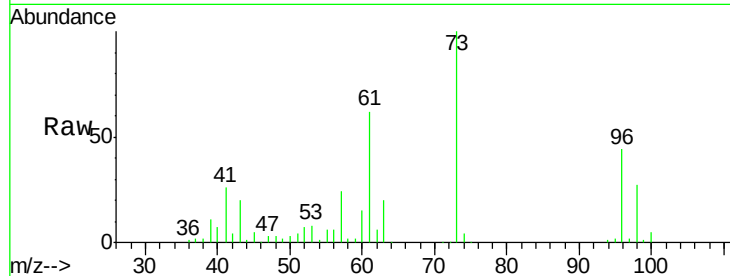




#19
Methyl tert-butyl Ether
Concen: 21.750 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN054101.D
Acq: 5 Mar 2019 16:08

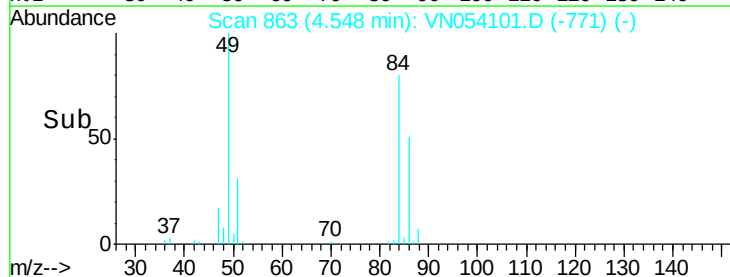
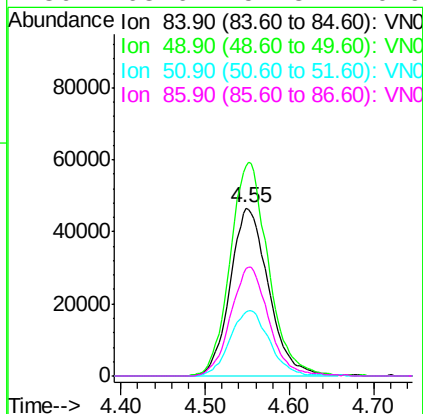
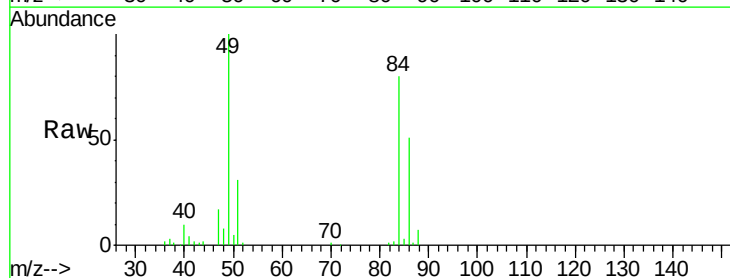
Instrument :
MSVOA_N
ClientSampled :
VN0305WBSD01

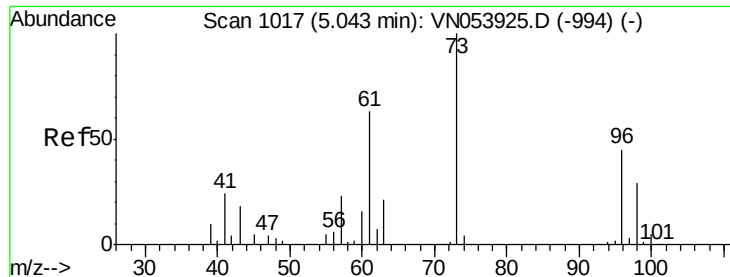
Tot Ion: 73 Resp: 358663
Ion Ratio Lower Upper
73 100
57 23.6 18.0 27.0



#20
Methylene Chloride
Concen: 20.438 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN054101.D
Acq: 5 Mar 2019 16:08

Tgt Ion: 84 Resp: 147656
Ion Ratio Lower Upper
84 100
49 125.2 89.7 134.5
51 38.5 27.8 41.8
86 63.6 51.3 76.9

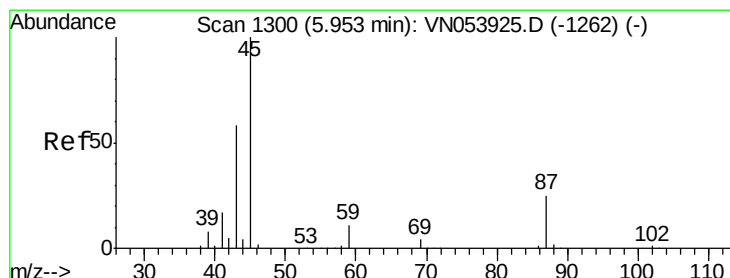
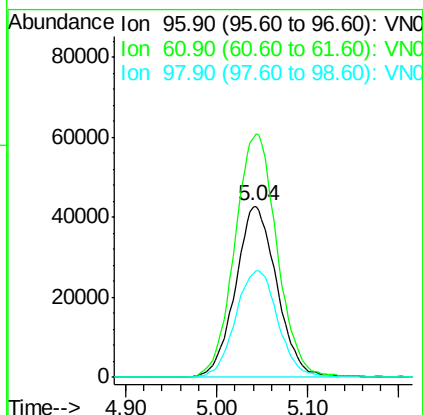
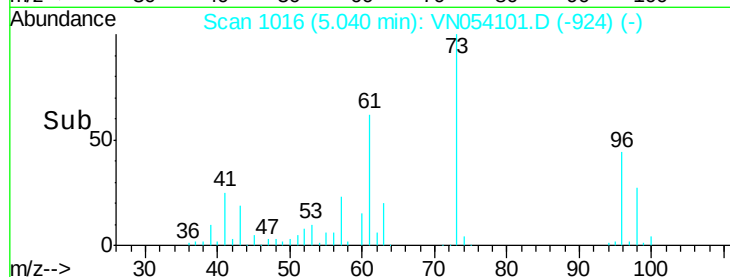
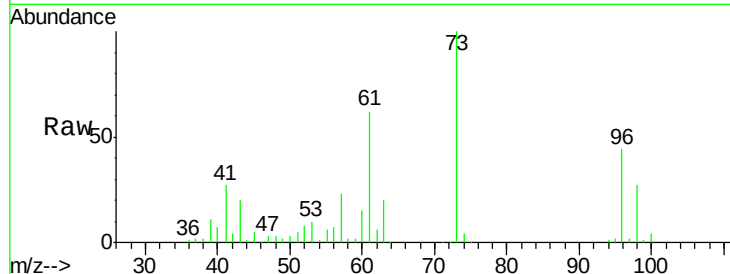




#21
trans-1,2-Dichloroethene
Concen: 20.223 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN054101.D
Acq: 5 Mar 2019 16:08

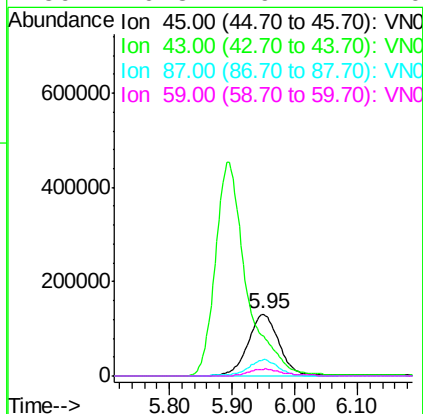
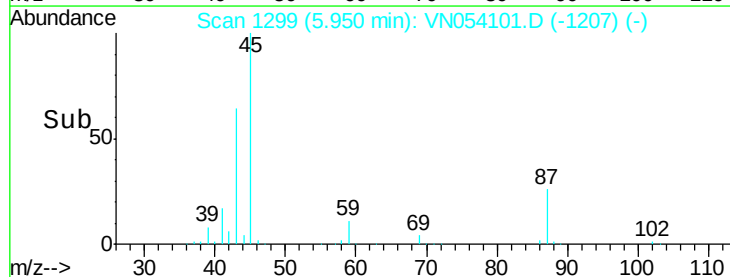
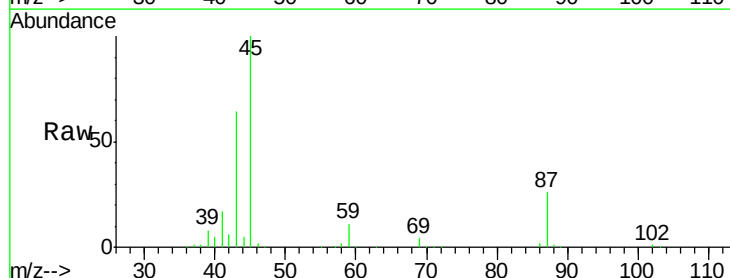
Instrument :
MSVOA_N
ClientSampleId :
VN0305WBSD01

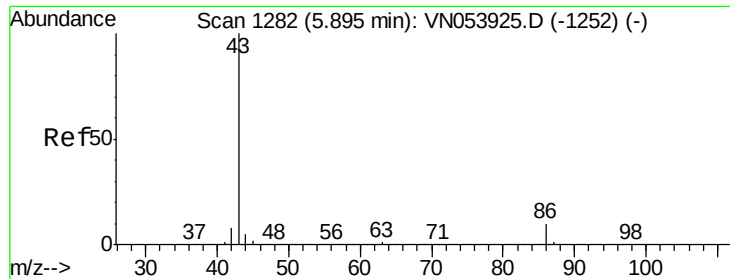
Tot Ion: 96 Resp: 134551
Ion Ratio Lower Upper
96 100
61 140.5 104.5 156.7
98 60.9 50.6 76.0



#22
Diisopropyl ether
Concen: 21.959 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN054101.D
Acq: 5 Mar 2019 16:08

Tgt Ion: 45 Resp: 456745
Ion Ratio Lower Upper
45 100
43 62.5 46.2 69.4
87 26.0 23.4 35.0
59 10.8 9.4 14.0

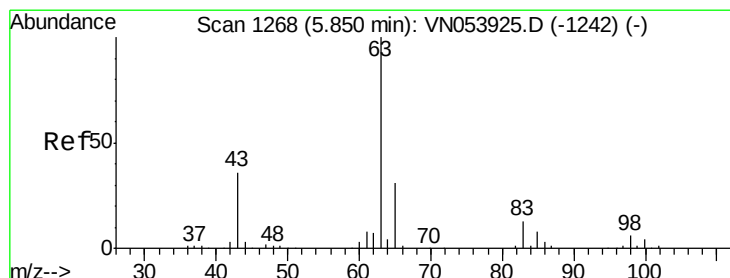
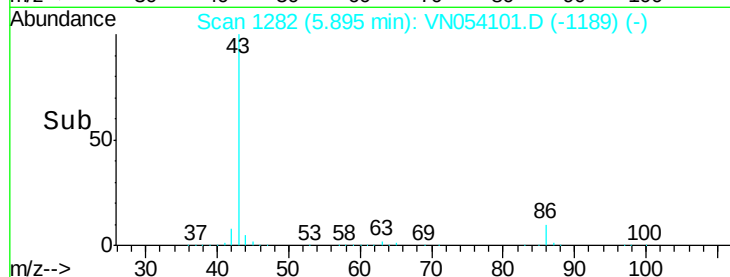
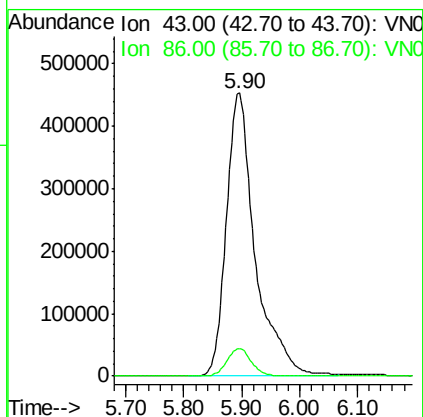
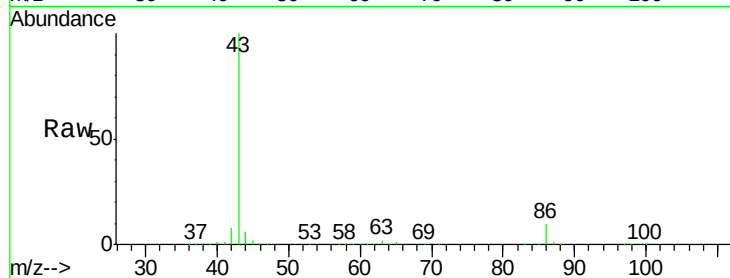




#23
 Vinyl Acetate
 Concen: 104.788 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN054101.D
 Acq: 5 Mar 2019 16:08

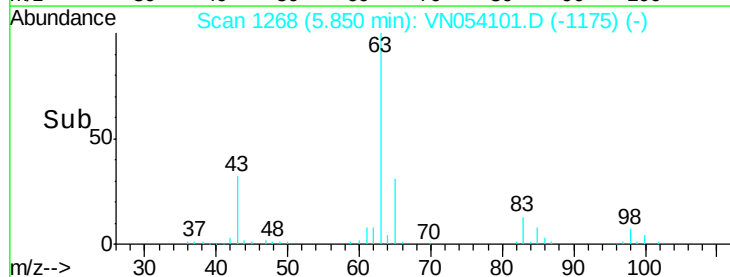
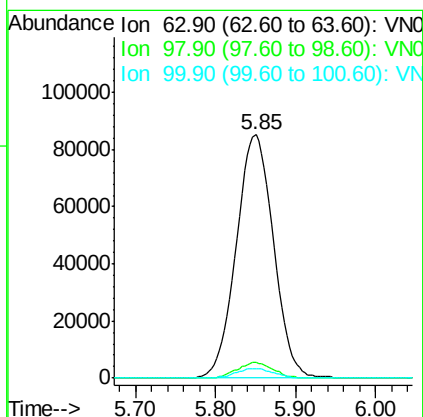
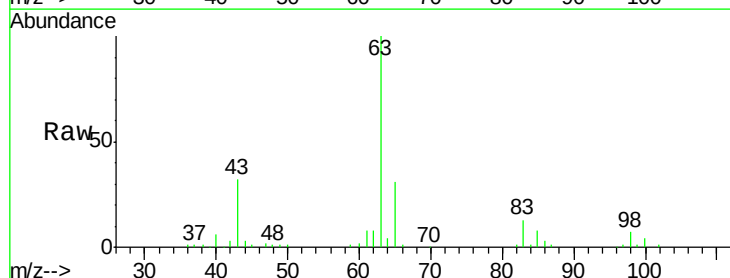
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305WBSD01

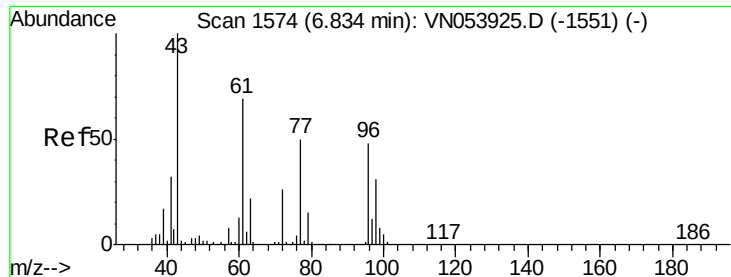
Tot Ion: 43 Resp: 1567943
 Ion Ratio Lower Upper
 43 100
 86 9.7 9.1 13.7



#24
 1,1-Dichloroethane
 Concen: 21.087 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054101.D
 Acq: 5 Mar 2019 16:08

Tgt Ion: 63 Resp: 268971
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.4 10.2
 100 4.0 2.2 6.6





#25

2-Butanone

Concen: 103.563 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

Instrument :

MSVOA_N

ClientSampled :

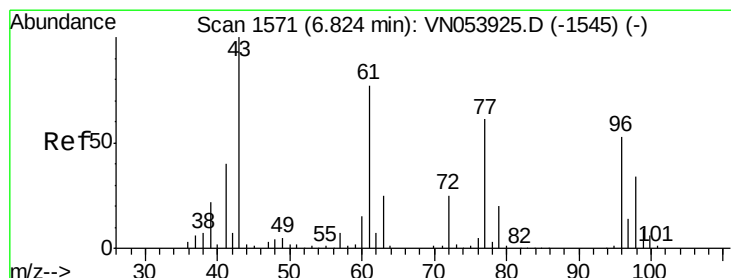
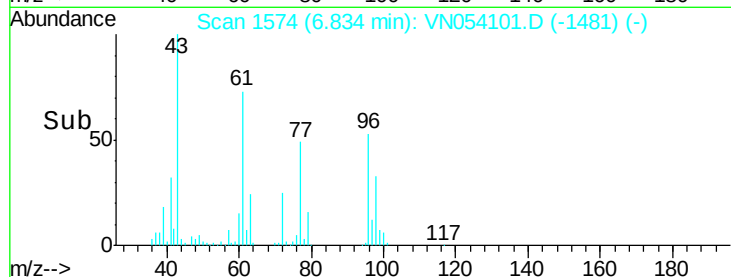
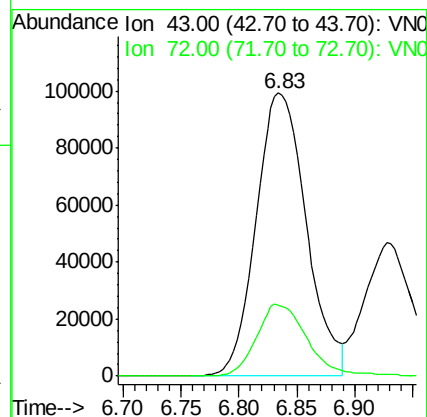
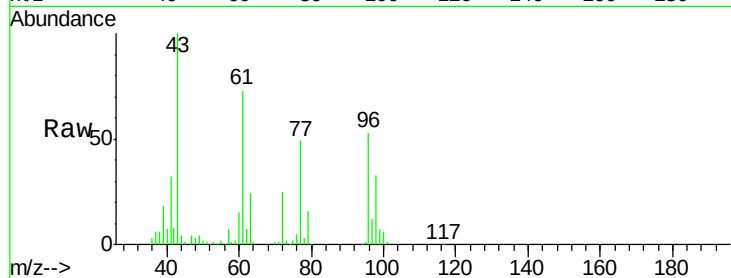
VN0305WBSD01

Tot Ion: 43 Resp: 296830

Ion Ratio Lower Upper

43 100

72 25.3 22.1 33.1



#26

2,2-Dichloropropane

Concen: 18.874 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054101.D

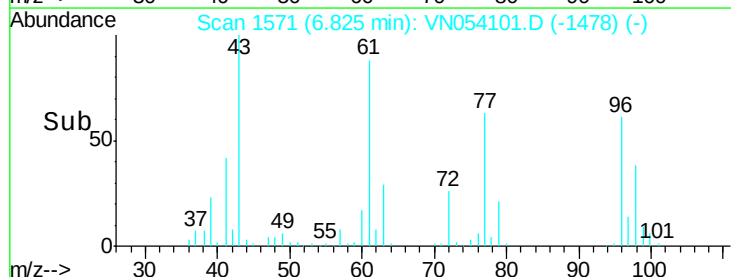
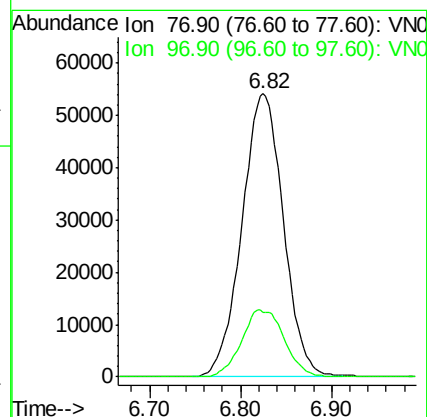
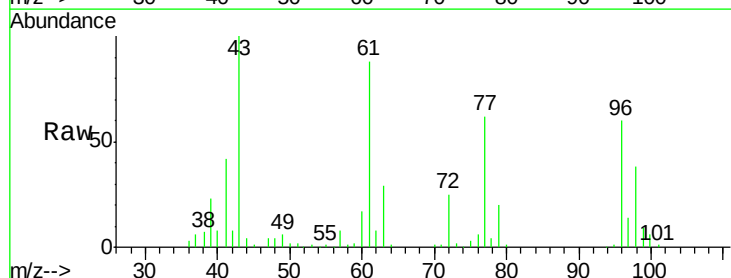
Acq: 5 Mar 2019 16:08

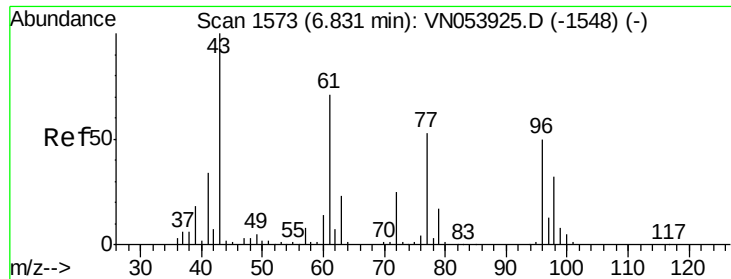
Tgt Ion: 77 Resp: 171039

Ion Ratio Lower Upper

77 100

97 24.3 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 21.121 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

VN0305WBSD01

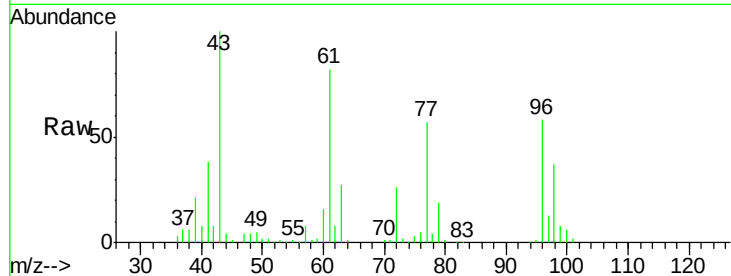
Tot Ion: 96 Resp: 156279

Ion Ratio Lower Upper

96 100

61 144.7 0.0 275.6

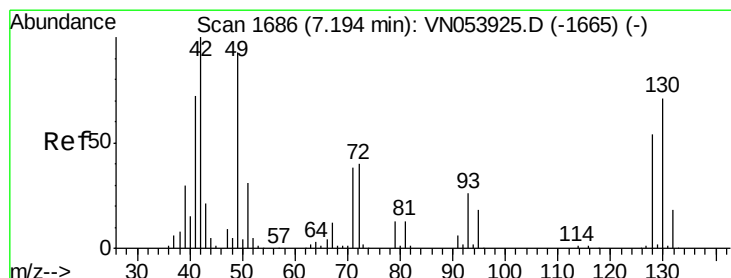
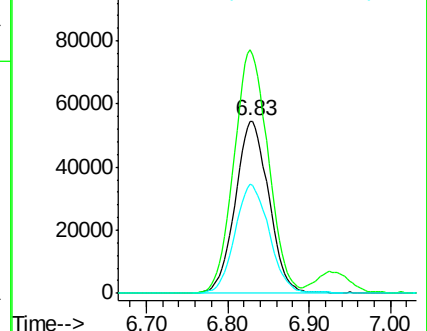
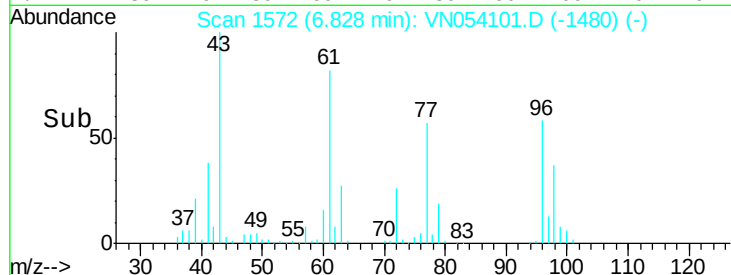
98 64.5 0.0 130.0



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: 21.533 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

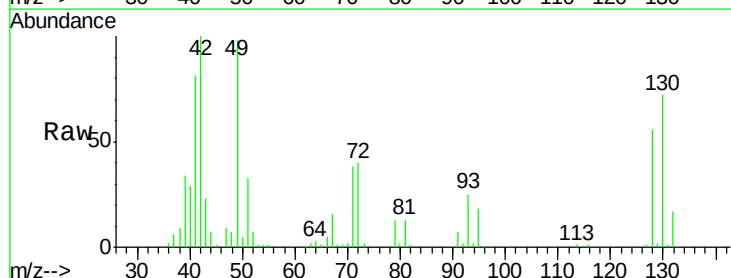
Tgt Ion: 49 Resp: 125718

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.6

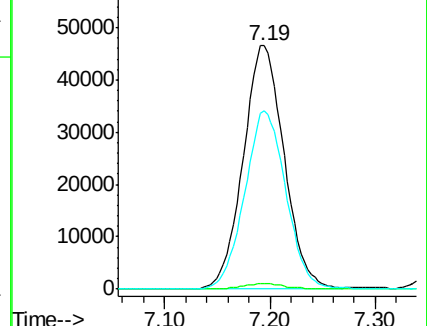
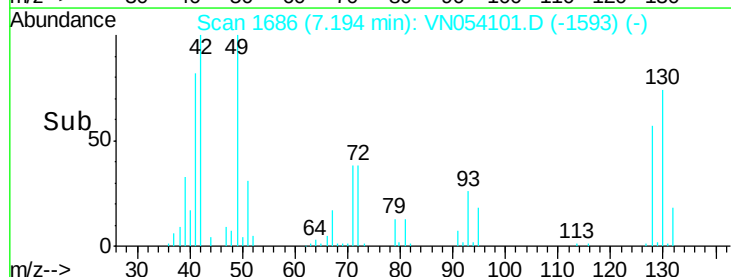
130 73.8 72.9 109.3

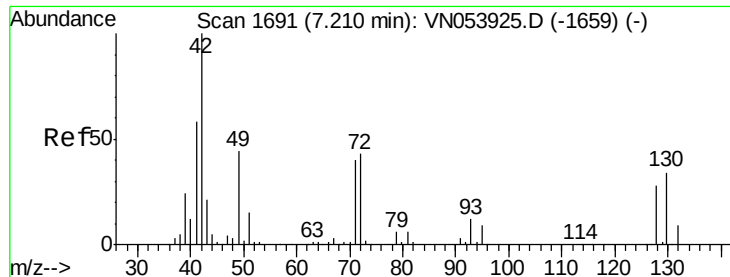


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 110.153 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

VN0305WBSD01

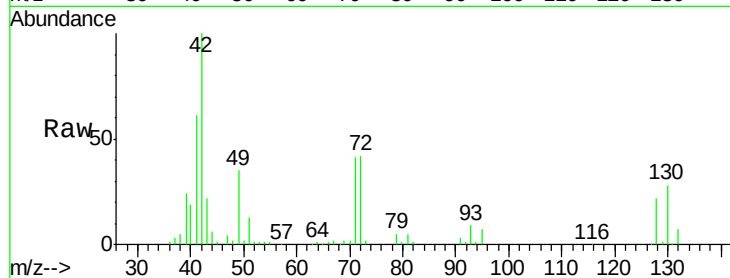
Tot Ion: 42 Resp: 210246

Ion Ratio Lower Upper

42 100

72 41.2 36.9 55.3

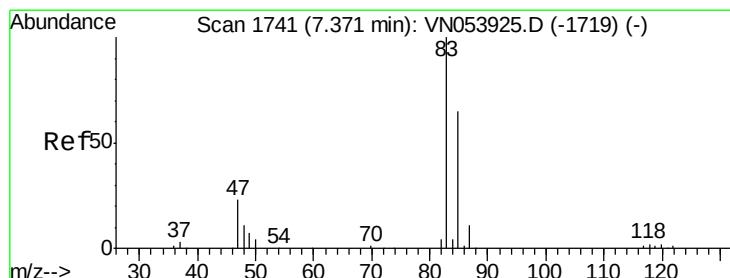
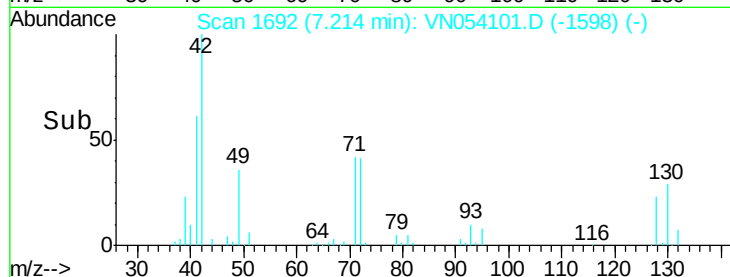
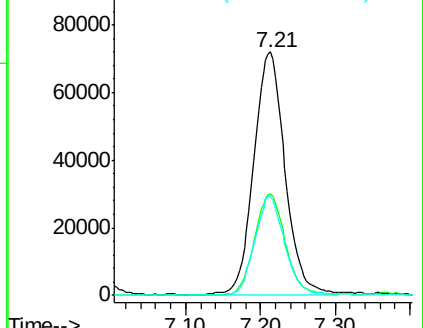
71 38.9 34.6 52.0



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 20.954 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN054101.D

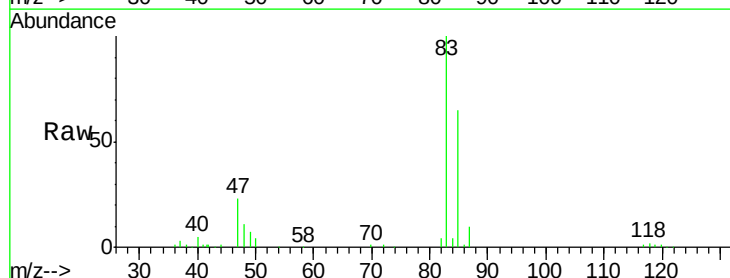
Acq: 5 Mar 2019 16:08

Tgt Ion: 83 Resp: 259161

Ion Ratio Lower Upper

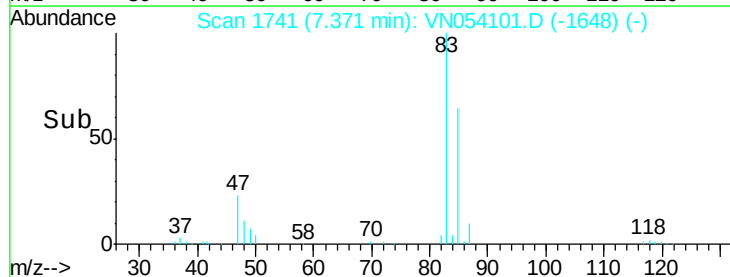
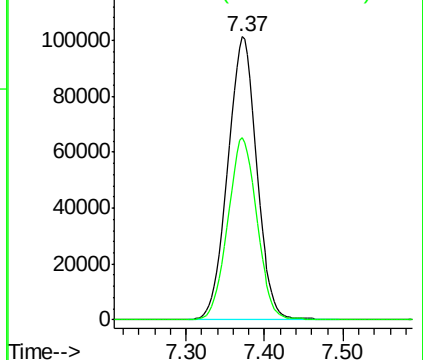
83 100

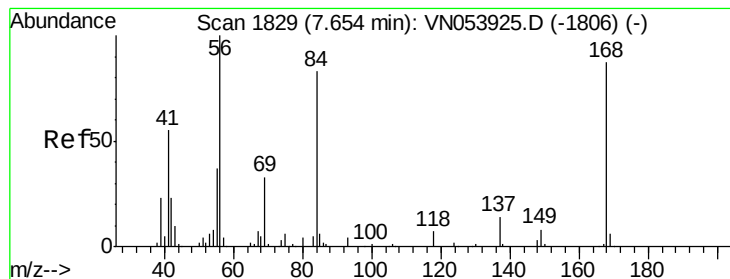
85 64.6 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 20.543 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

Instrument :

MSVOA_N

ClientSampled :

VN0305WBSD01

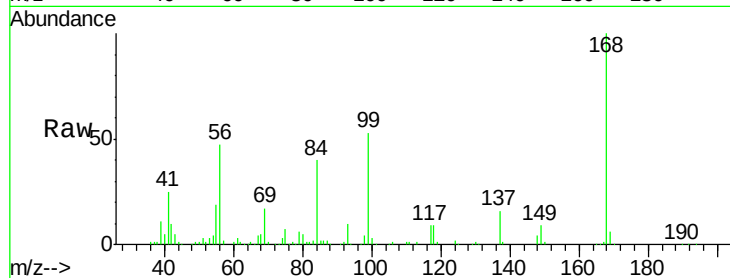
Tot Ion: 56 Resp: 242616

Ion Ratio Lower Upper

56 100

69 36.5 26.0 39.0

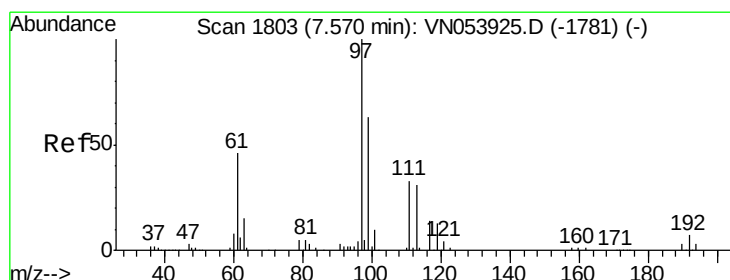
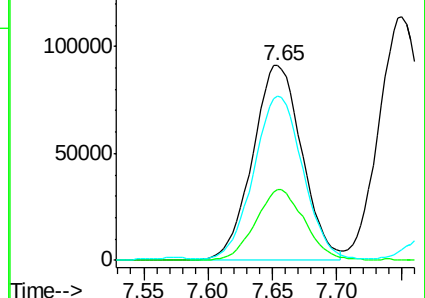
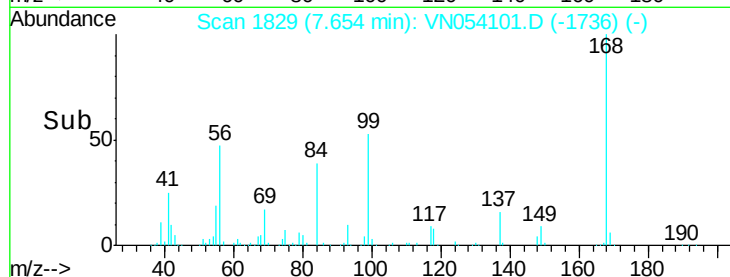
84 83.6 69.1 103.7



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: 20.801 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

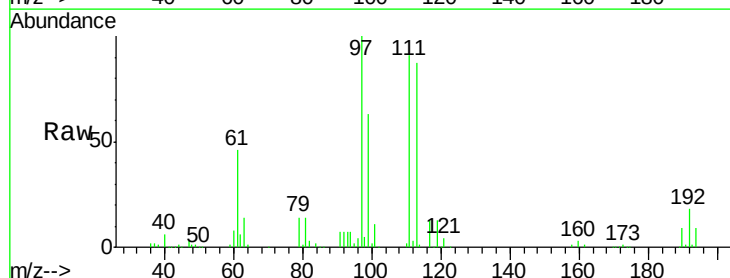
Tgt Ion: 97 Resp: 212132

Ion Ratio Lower Upper

97 100

99 64.3 51.8 77.8

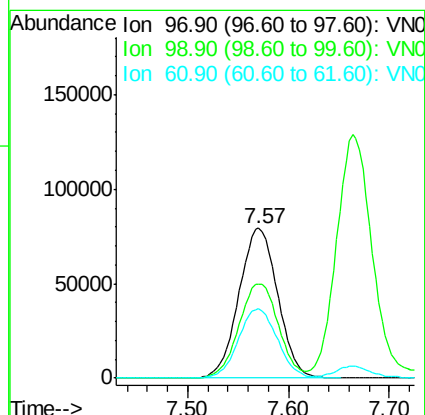
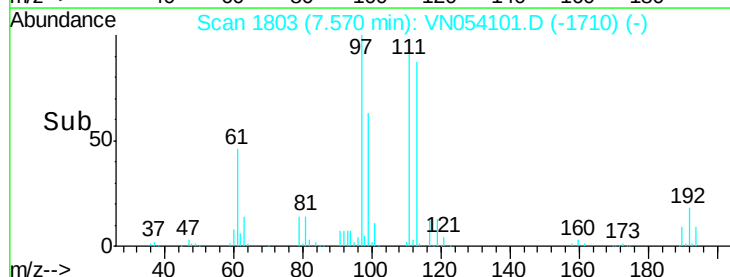
61 46.4 33.2 49.8

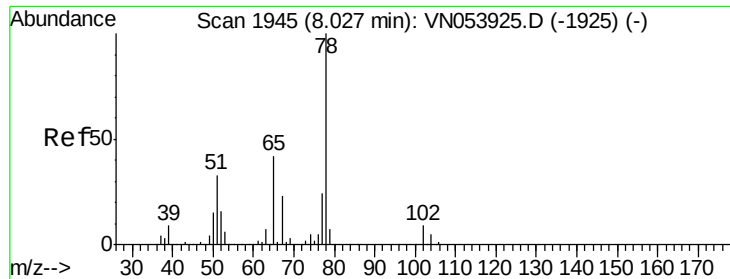


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

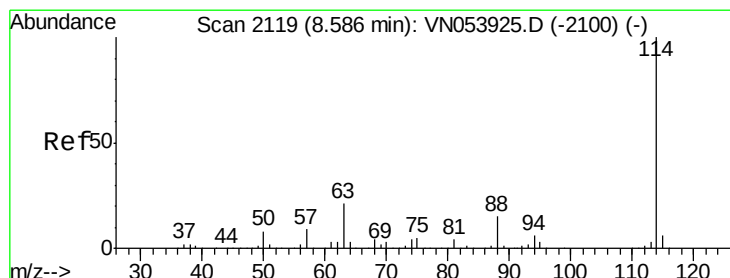
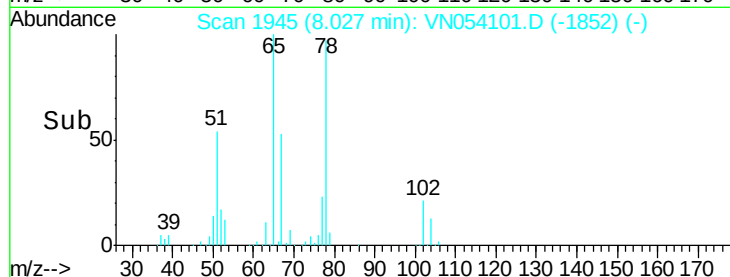
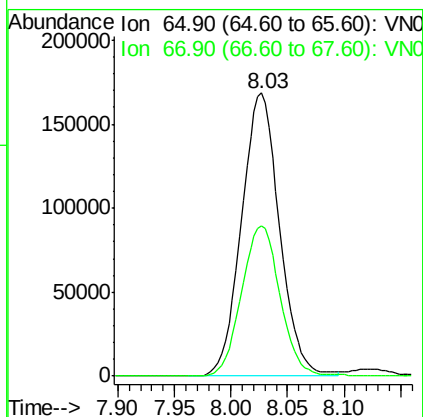
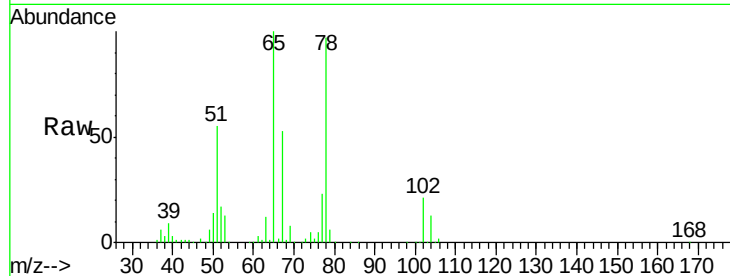




#33
 1,2-Dichloroethane-d4
 Concen: 53.917 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054101.D
 Acq: 5 Mar 2019 16:08

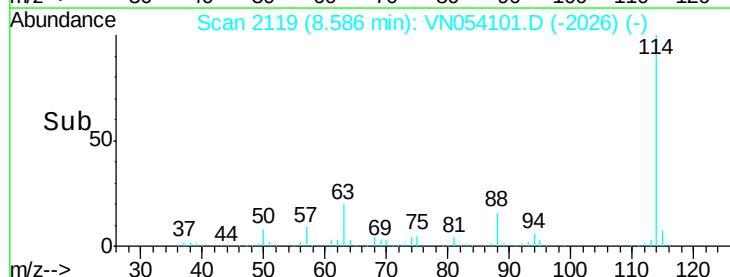
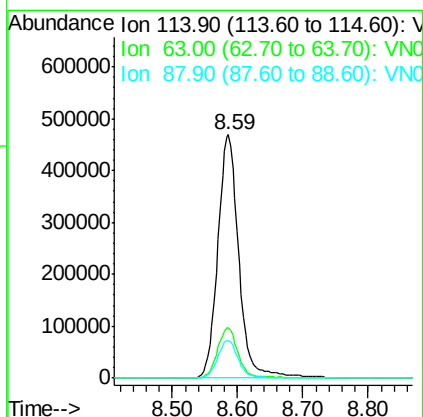
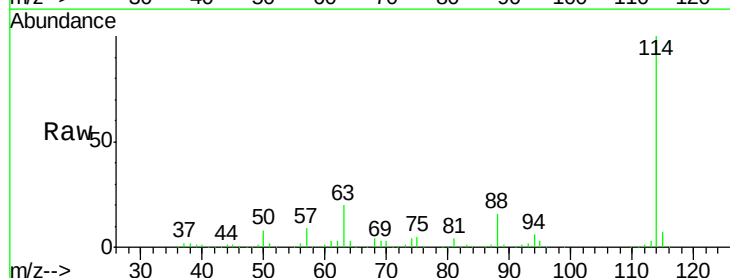
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305WBSD01

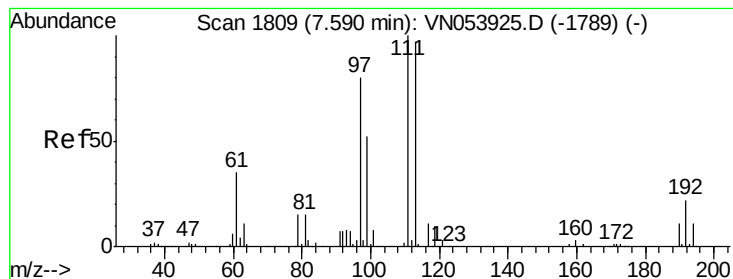
Tot Ion: 65 Resp: 393571
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 111.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054101.D
 Acq: 5 Mar 2019 16:08

Tgt Ion: 114 Resp: 1050868
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 37.4
 88 15.6 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.835 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

Instrument :

MSVOA_N

ClientSampled :

VN0305WBSD01

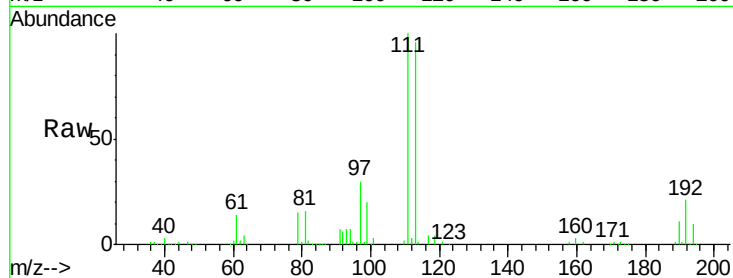
Tot Ion:113 Resp: 345452

Ion Ratio Lower Upper

113 100

111 102.9 81.1 121.7

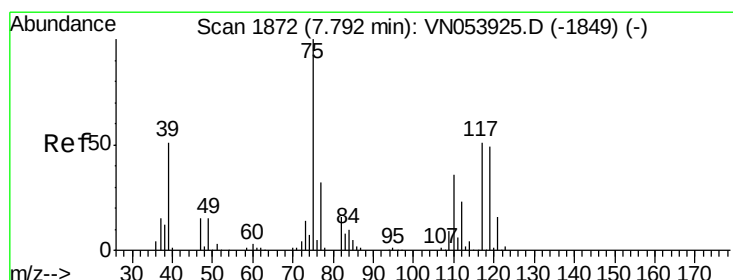
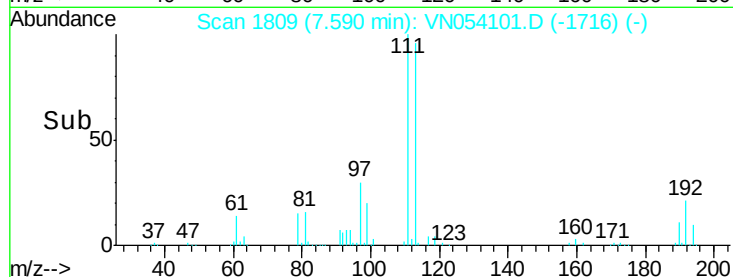
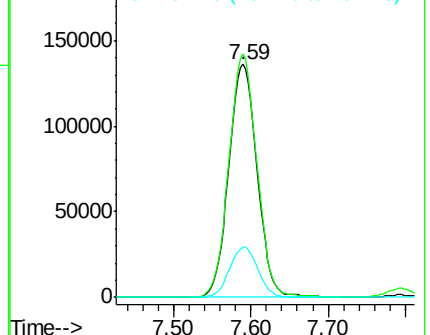
192 21.6 18.8 28.2



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: 19.173 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

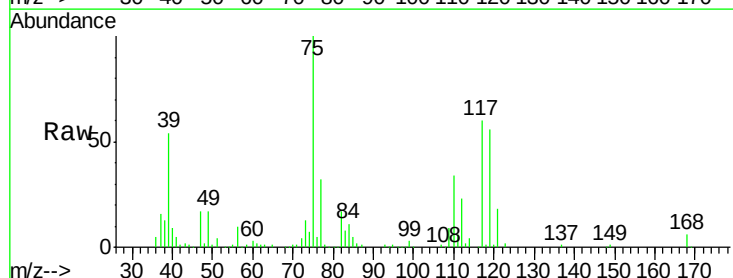
Tgt Ion: 75 Resp: 187370

Ion Ratio Lower Upper

75 100

110 37.4 19.0 57.0

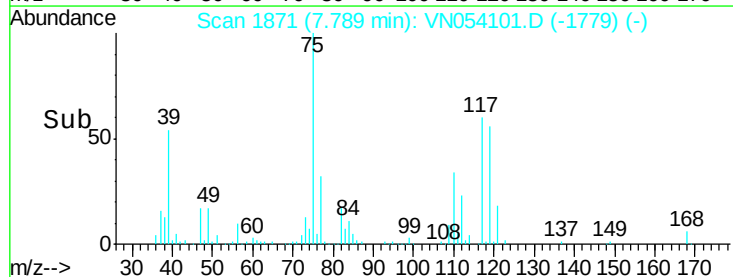
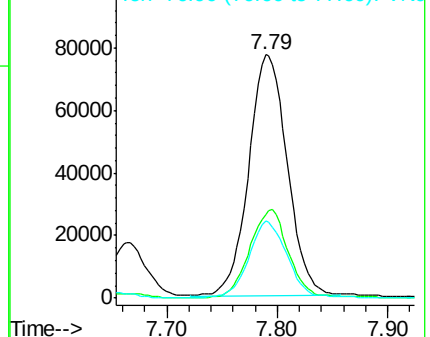
77 31.8 25.4 38.0

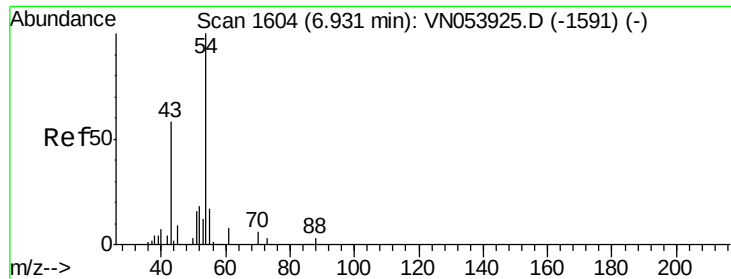


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

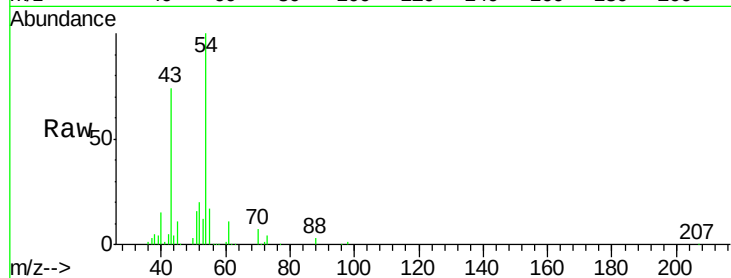




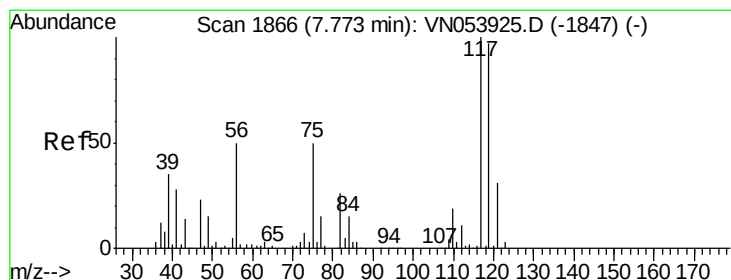
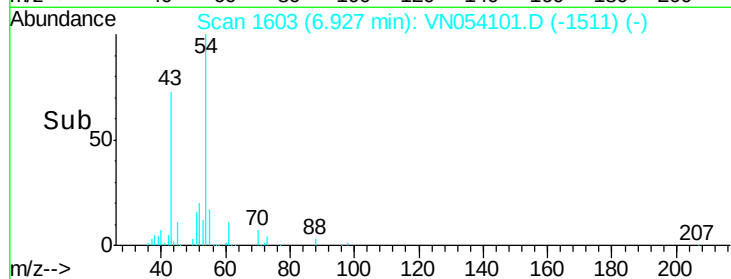
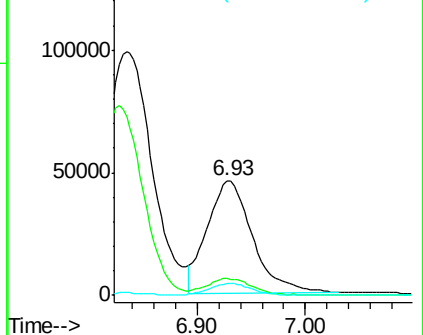
#37
Ethyl Acetate
Concen: 19.191 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN054101.D
Acq: 5 Mar 2019 16:08

Instrument :
MSVOA_N
ClientSampled :
VN0305WBSD01

Tot Ion: 43 Resp: 133913
Ion Ratio Lower Upper
43 100
61 14.3 12.0 18.0
70 10.1 8.7 13.1

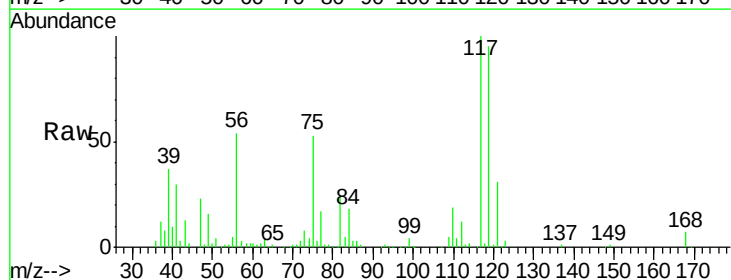


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

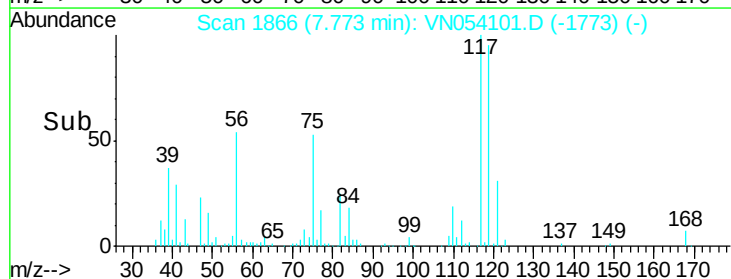
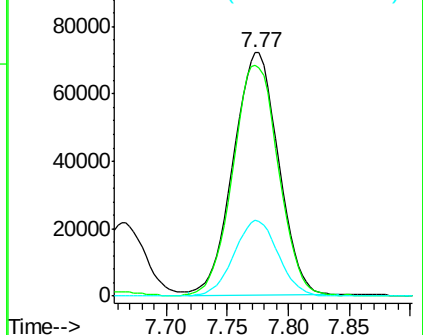


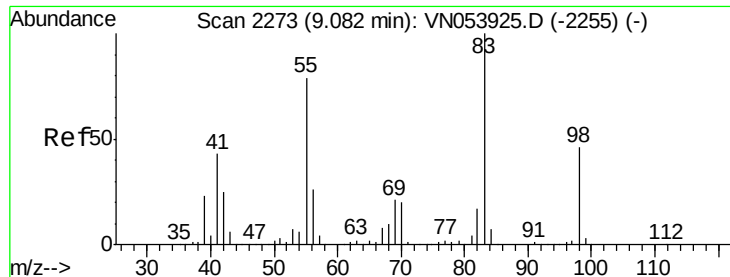
#38
Carbon Tetrachloride
Concen: 18.115 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054101.D
Acq: 5 Mar 2019 16:08

Tgt Ion: 117 Resp: 184119
Ion Ratio Lower Upper
117 100
119 95.1 76.2 114.2
121 31.2 24.6 36.8



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

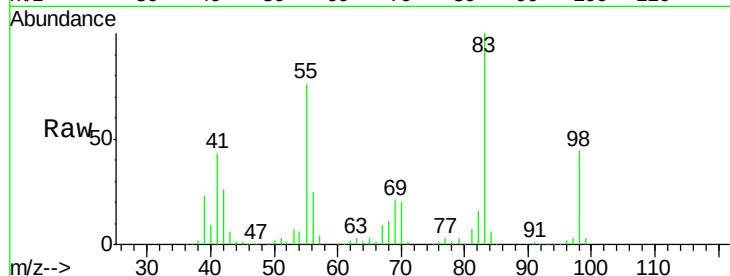




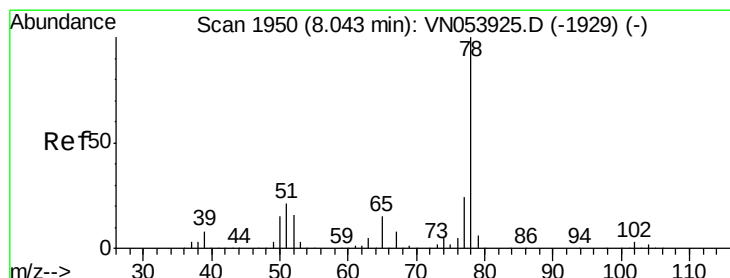
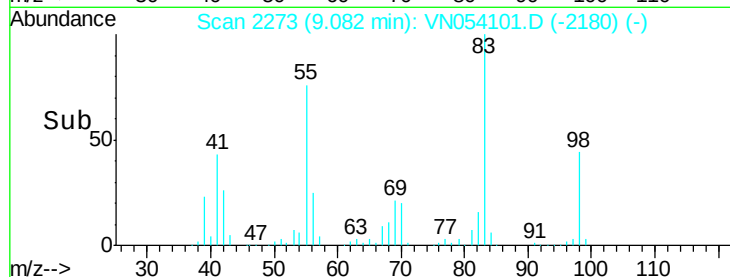
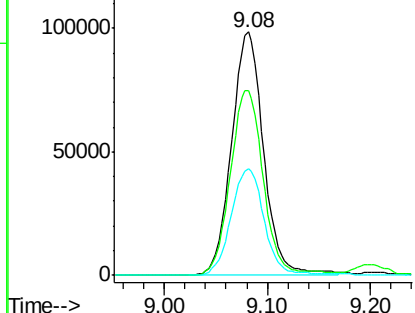
#39
Methylvlcyclohexane
Concen: 18.167 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054101.D
Acq: 5 Mar 2019 16:08

Instrument :
MSVOA_N
ClientSampled :
VN0305WBSD01

Tot Ion: 83 Resp: 213990
Ion Ratio Lower Upper
83 100
55 75.9 58.2 87.4
98 43.7 37.2 55.8

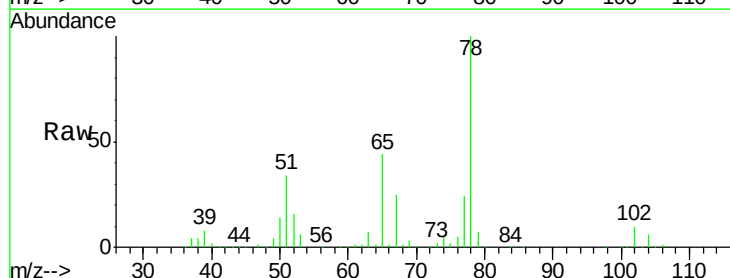


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

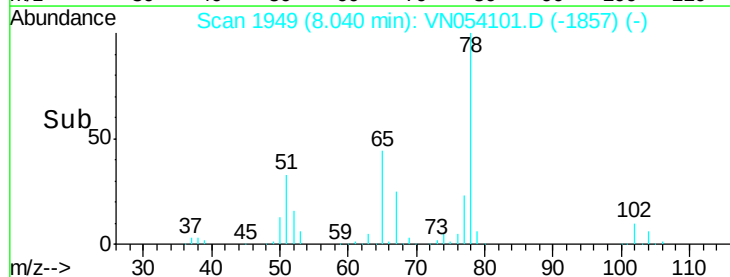
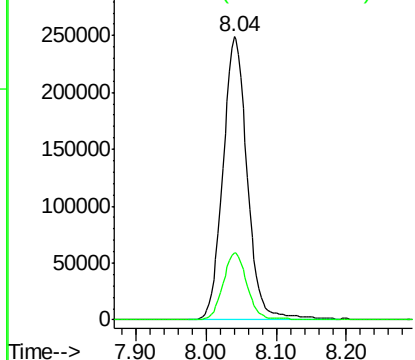


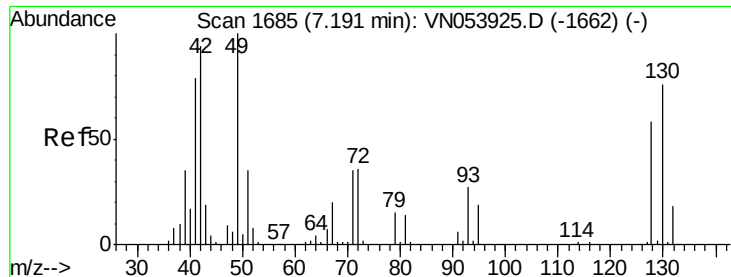
#40
Benzene
Concen: 20.024 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054101.D
Acq: 5 Mar 2019 16:08

Tgt Ion: 78 Resp: 601167
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2



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





#41

Methacrylonitrile

Concen: 14.219 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.02 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

Instrument :

MSVOA_N

ClientSampled :

VN0305WBSD01

Tot Ion: 41 Resp: 63889

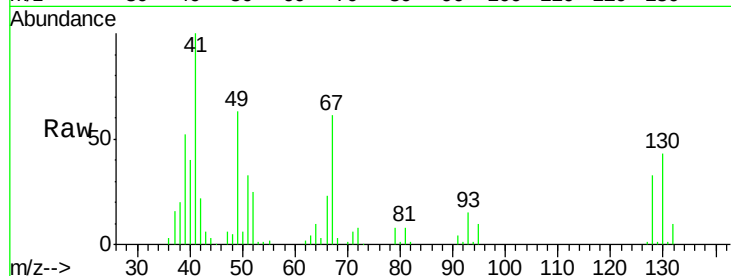
Ion Ratio Lower Upper

41 100

39 57.8 0.0 0.0#

67 92.4 0.0 0.0#

52 38.7 0.0 0.0#

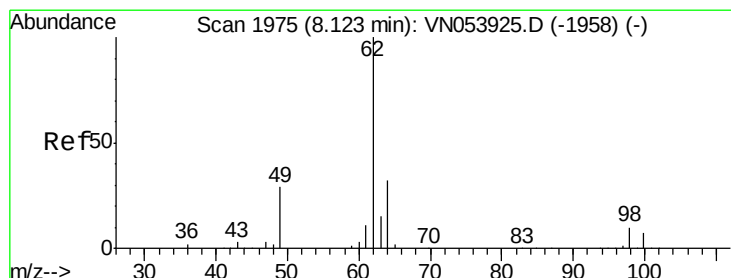
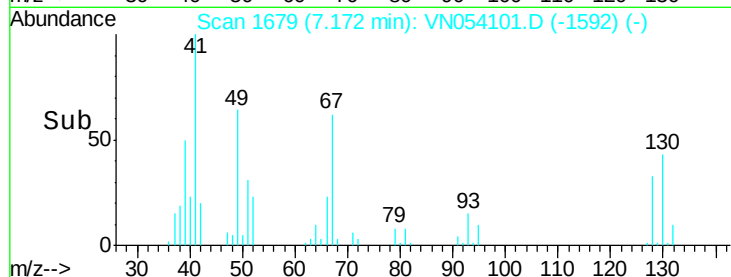
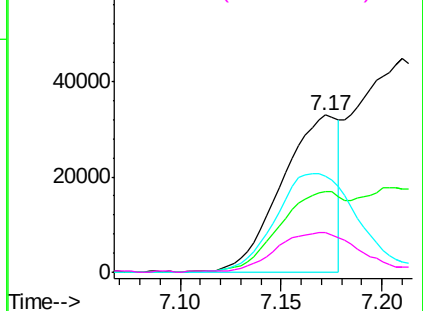


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 20.455 ug/l

RT: 8.12 min Scan# 1974

Delta R.T. -0.00 min

Lab File: VN054101.D

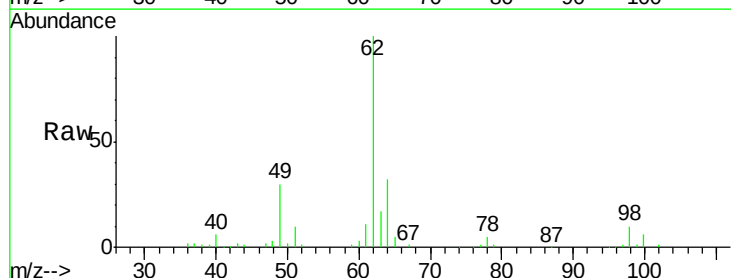
Acq: 5 Mar 2019 16:08

Tgt Ion: 62 Resp: 190128

Ion Ratio Lower Upper

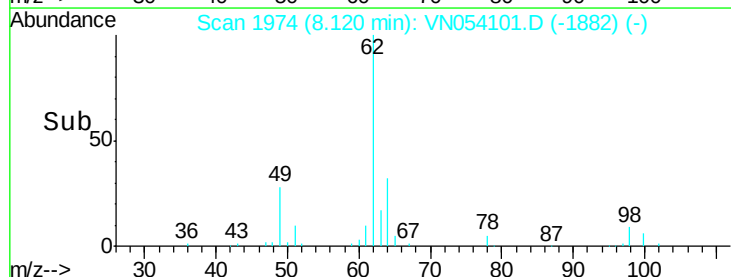
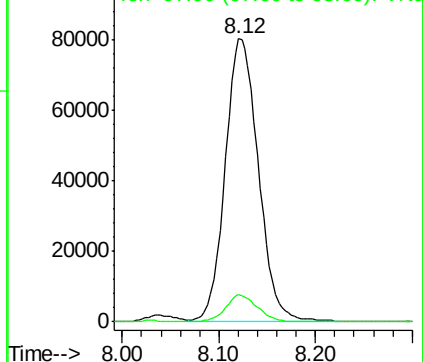
62 100

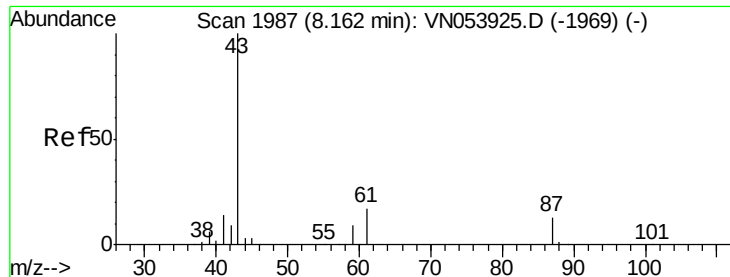
98 9.2 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 19.881 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

Instrument :

MSVOA_N

ClientSampled :

VN0305WBSD01

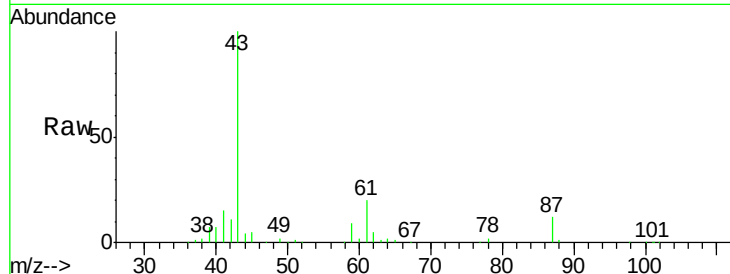
Tot Ion: 43 Resp: 234231

Ion Ratio Lower Upper

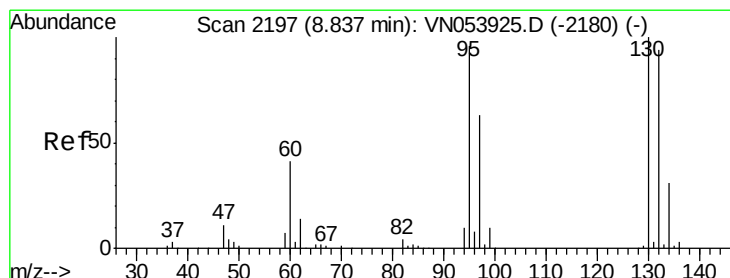
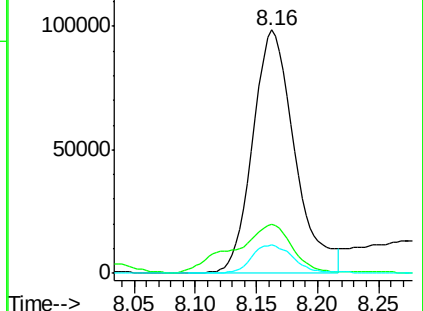
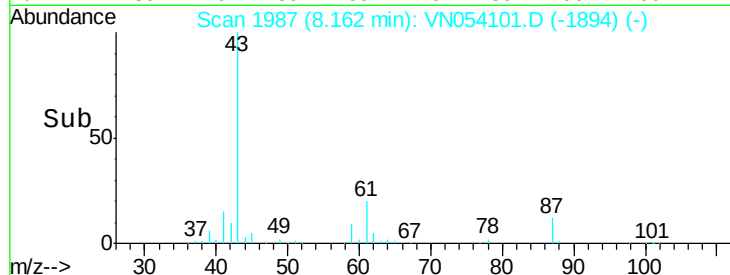
43 100

61 27.0 17.4 26.0#

87 11.8 11.5 17.3



Abundance Ion 43.00 (42.70 to 43.70): VN054101.D (-1894) (-)



#44

Trichloroethene

Concen: 19.590 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054101.D

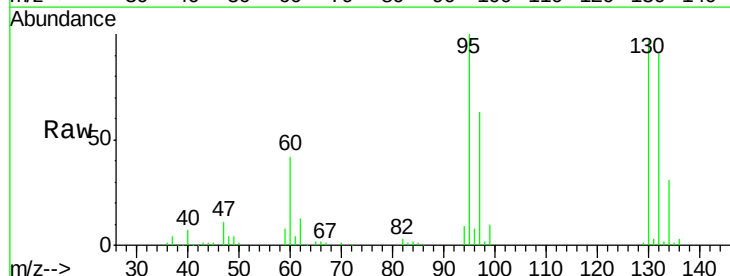
Acq: 5 Mar 2019 16:08

Tgt Ion:130 Resp: 155917

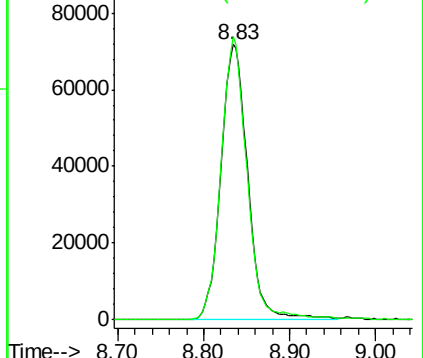
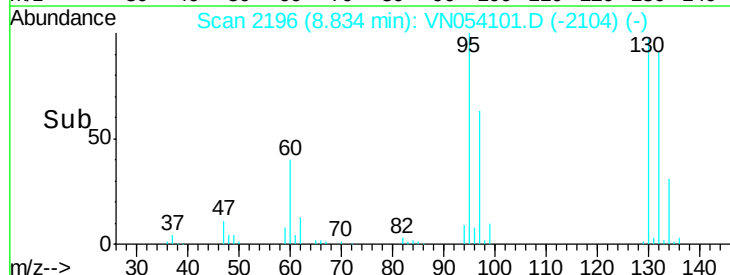
Ion Ratio Lower Upper

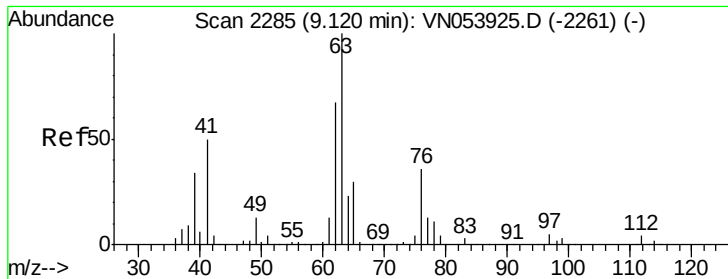
130 100

95 102.9 0.0 190.0



Abundance Ion 129.80 (129.50 to 130.50): VN054101.D (-2104) (-)

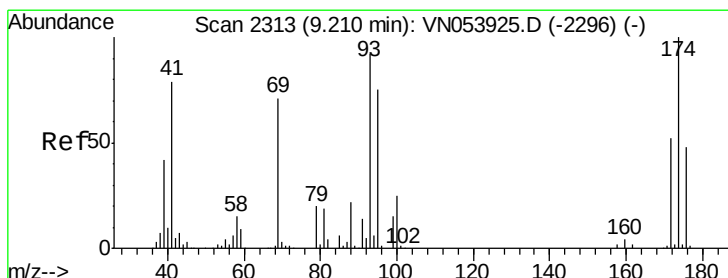
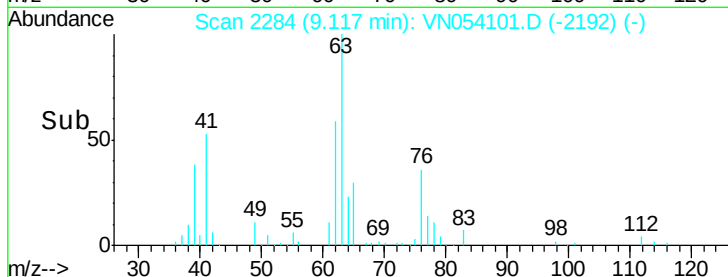
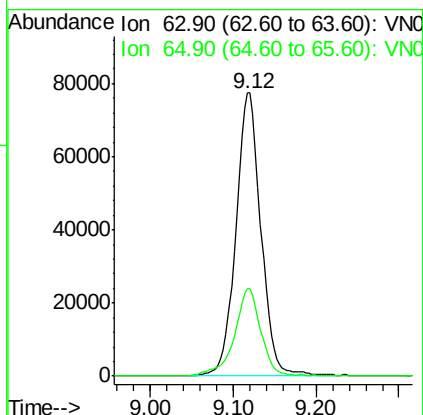
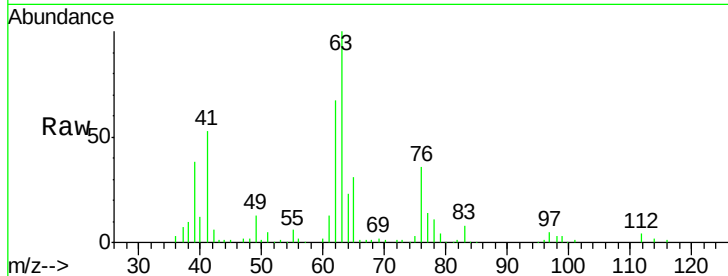




#45
 1,2-Dichloropropane
 Concen: 20.218 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054101.D
 Acq: 5 Mar 2019 16:08

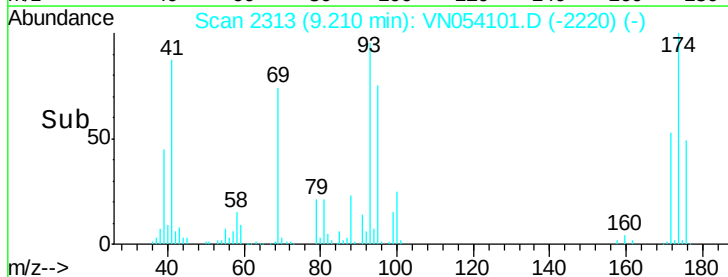
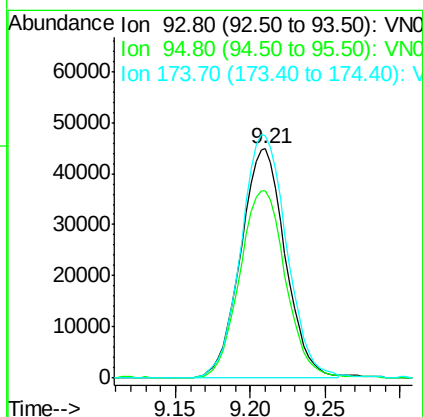
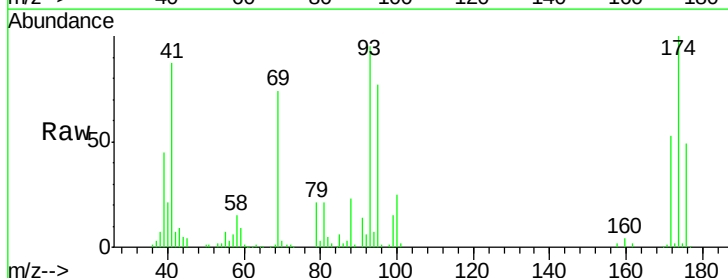
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305WBSD01

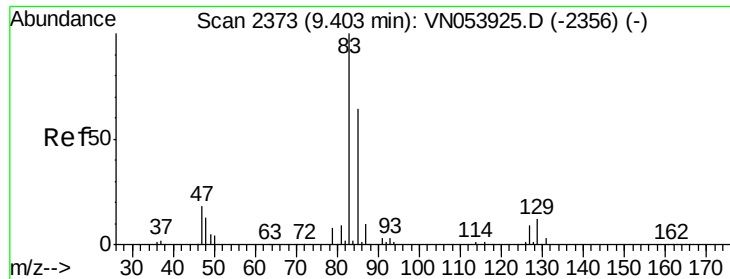
Tot Ion: 63 Resp: 163762
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.3 36.5



#46
 Dibromomethane
 Concen: 19.774 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054101.D
 Acq: 5 Mar 2019 16:08

Tgt Ion: 93 Resp: 92984
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.6 100.0
 174 109.4 96.2 144.4





#47

Bromodichloromethane

Concen: 20.035 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

Instrument :

MSVOA_N

ClientSampled :

VN0305WBSD01

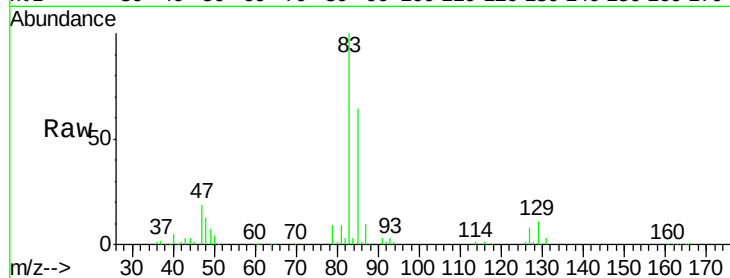
Tot Ion: 83 Resp: 198547

Ion Ratio Lower Upper

83 100

85 64.2 51.8 77.6

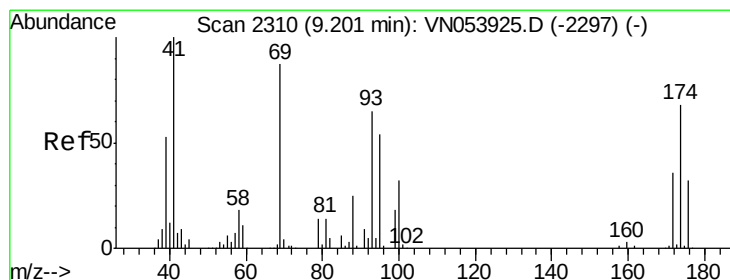
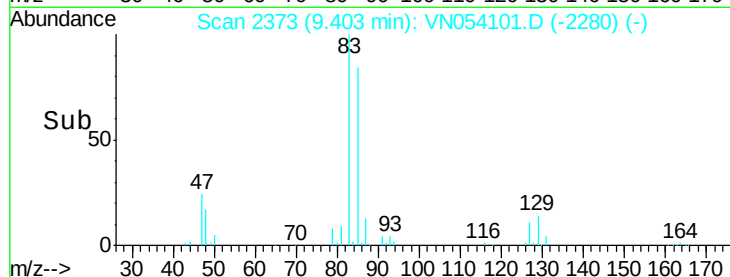
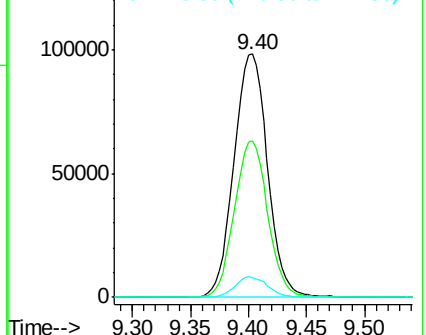
127 8.2 7.4 11.0



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: 21.447 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

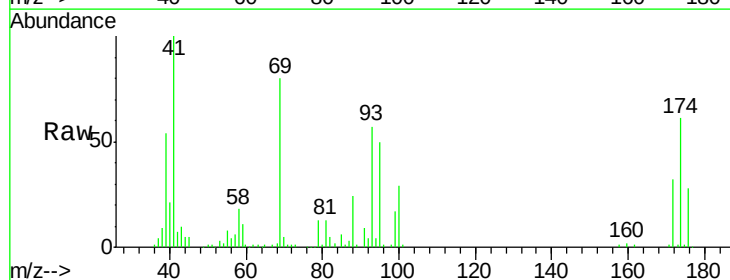
Tgt Ion: 41 Resp: 116229

Ion Ratio Lower Upper

41 100

69 81.5 74.8 112.2

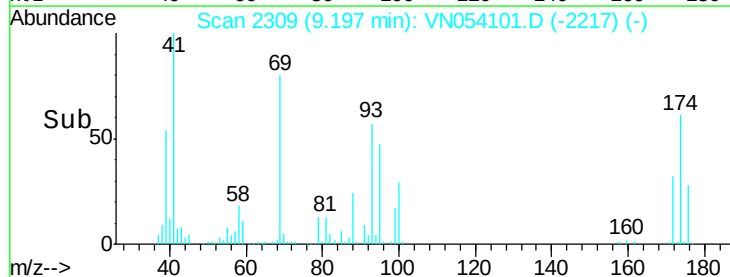
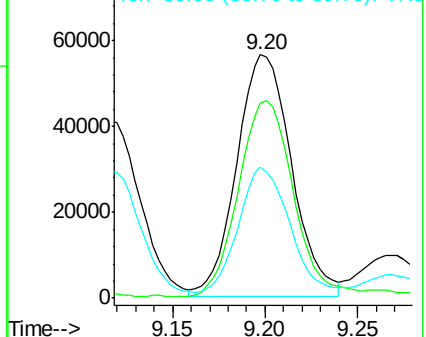
39 52.1 39.0 58.6

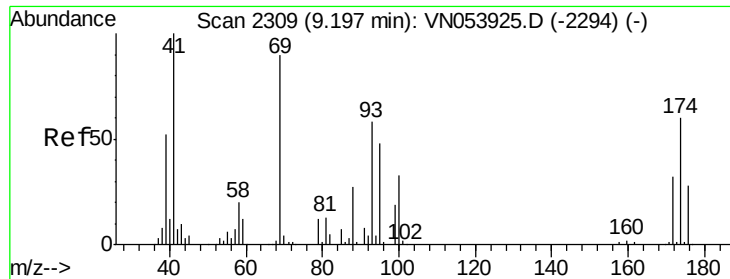


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

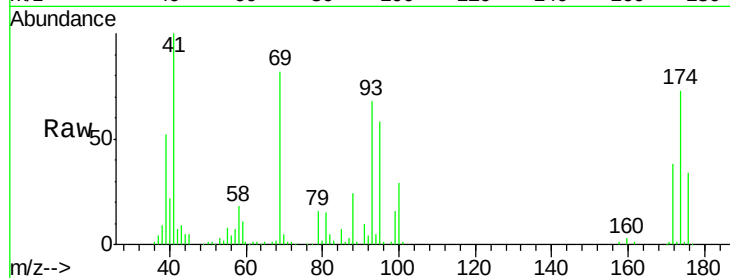




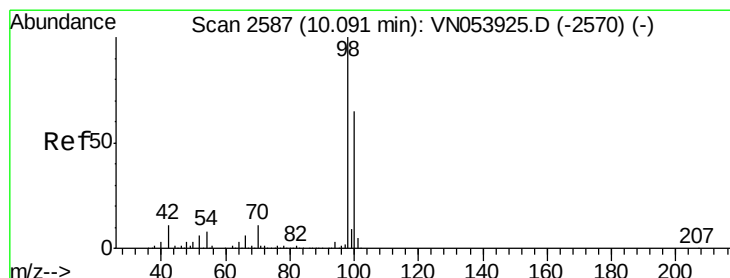
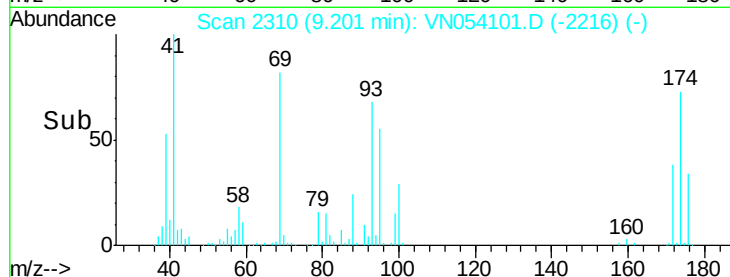
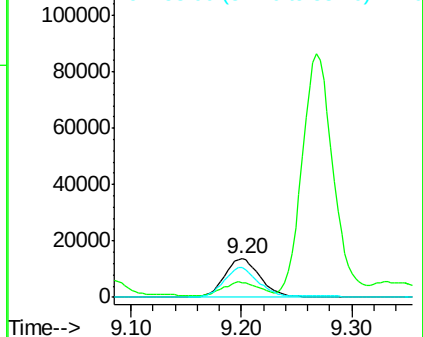
#49
 1,4-Dioxane
 Concen: 427.432 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN054101.D
 Acq: 5 Mar 2019 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305WBSD01

Tot Ion: 88 Resp: 31374
 Ion Ratio Lower Upper
 88 100
 43 33.2 21.2 31.8#
 58 72.6 54.2 81.2

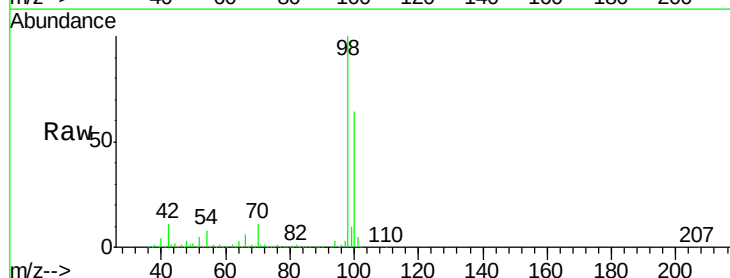


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

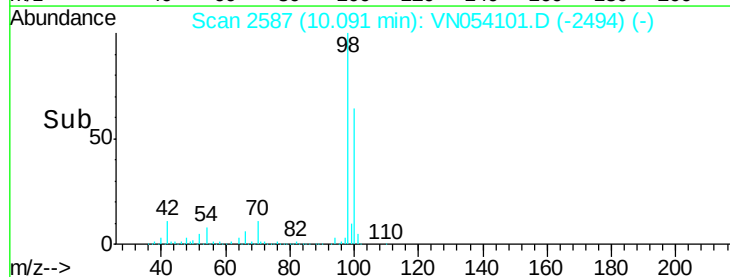
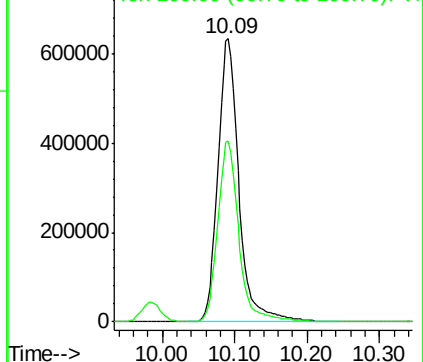


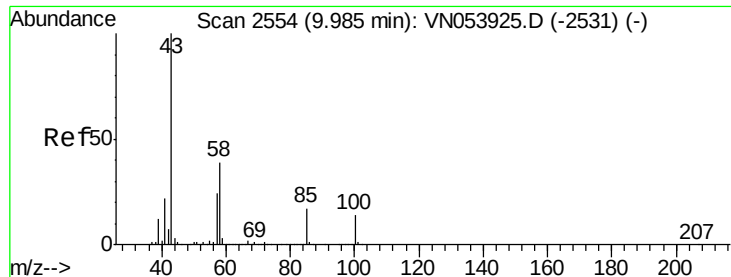
#50
 Toluene-d8
 Concen: 50.127 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN054101.D
 Acq: 5 Mar 2019 16:08

Tgt Ion: 98 Resp: 1268055
 Ion Ratio Lower Upper
 98 100
 100 64.4 51.9 77.9



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

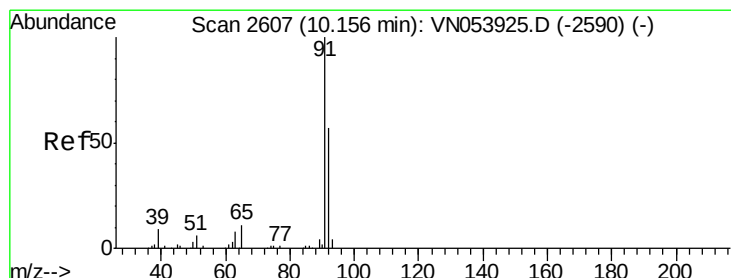
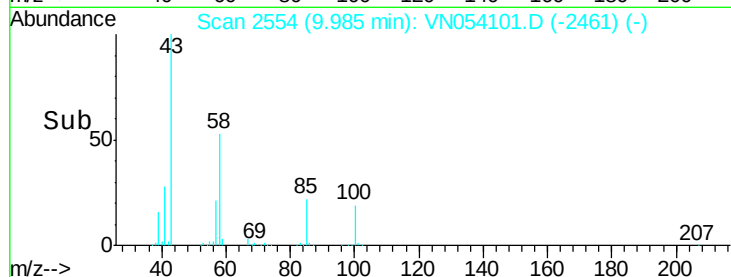
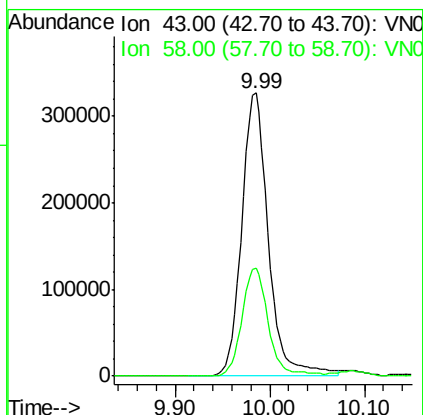
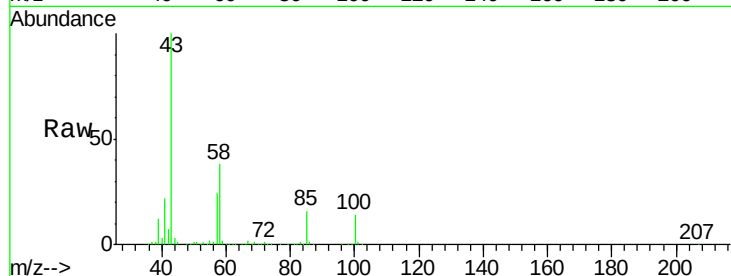




#51
4-Methyl-2-Pentanone
Concen: 105.134 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054101.D
Acq: 5 Mar 2019 16:08

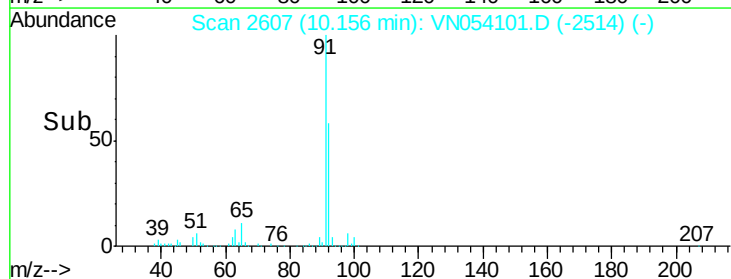
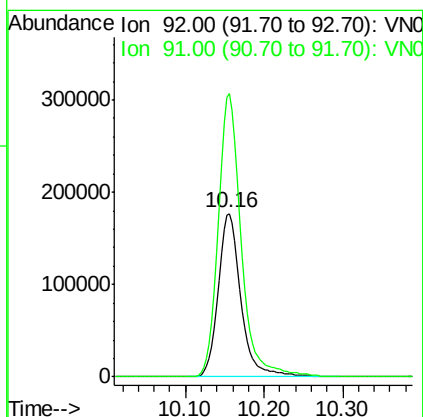
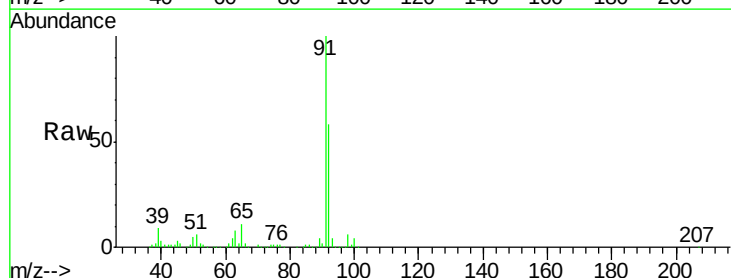
Instrument :
MSVOA_N
ClientSampled :
VN0305WBSD01

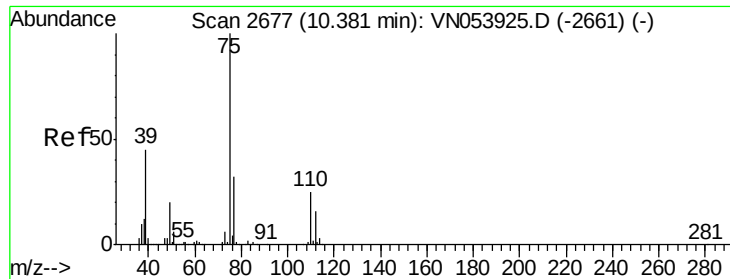
Tot Ion: 43 Resp: 636520
Ion Ratio Lower Upper
43 100
58 37.9 32.7 49.1



#52
Toluene
Concen: 19.888 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN054101.D
Acq: 5 Mar 2019 16:08

Tgt Ion: 92 Resp: 351580
Ion Ratio Lower Upper
92 100
91 175.5 138.4 207.6





#53

t-1,3-Dichloropropene

Concen: 19.437 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

Instrument :

MSVOA_N

ClientSampled :

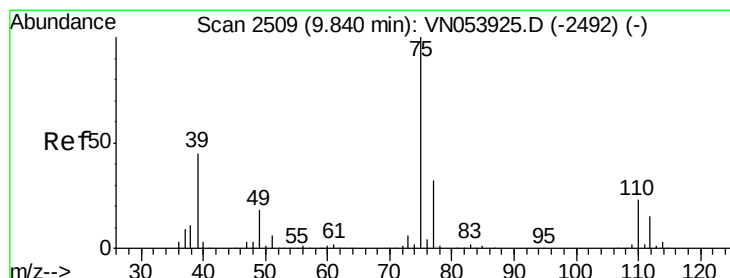
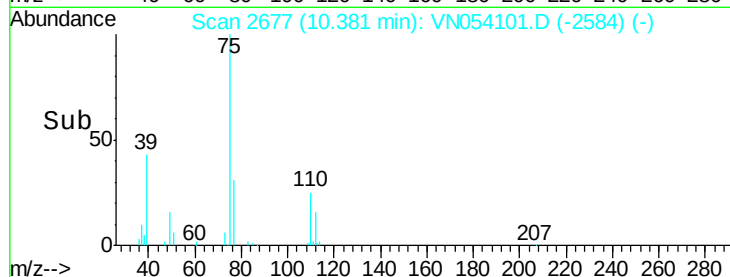
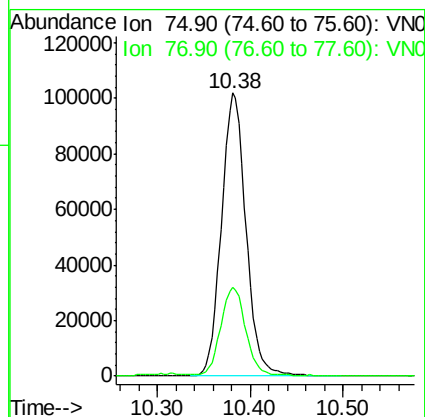
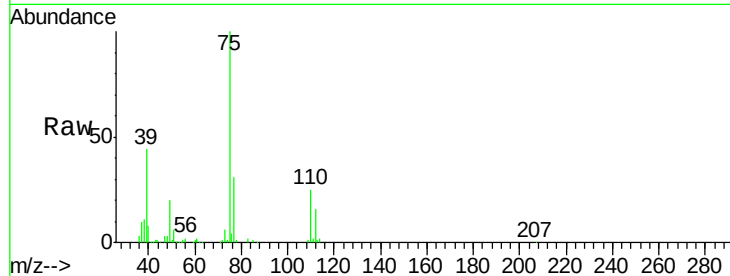
VN0305WBSD01

Tot Ion: 75 Resp: 187416

Ion Ratio Lower Upper

75 100

77 31.1 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 19.545 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

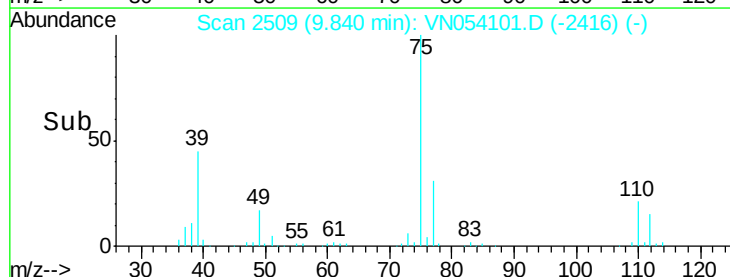
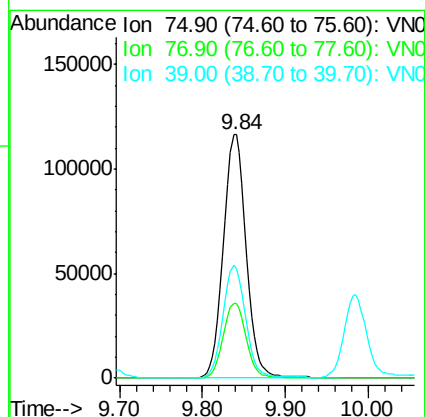
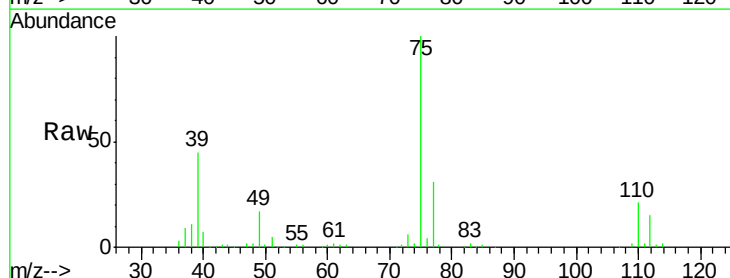
Tgt Ion: 75 Resp: 222174

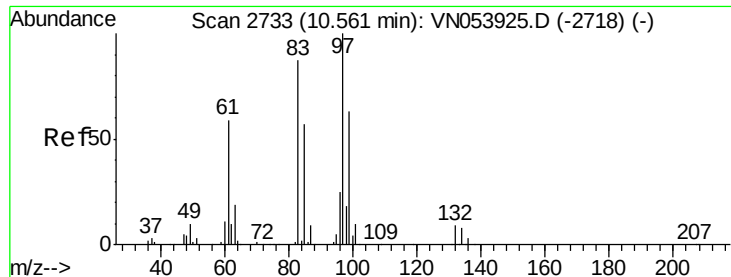
Ion Ratio Lower Upper

75 100

77 30.6 25.8 38.6

39 45.1 31.4 47.0



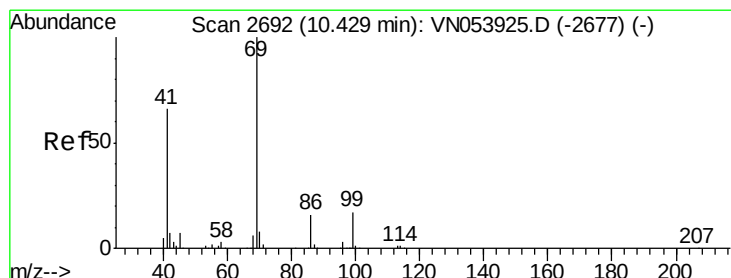
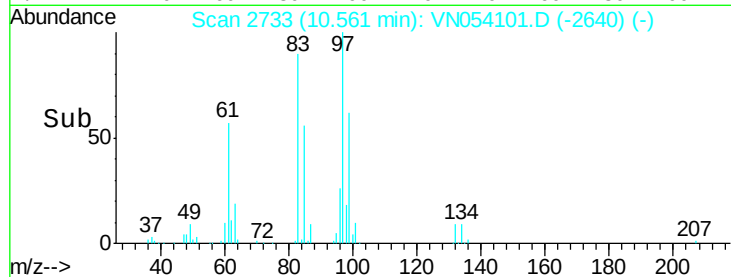
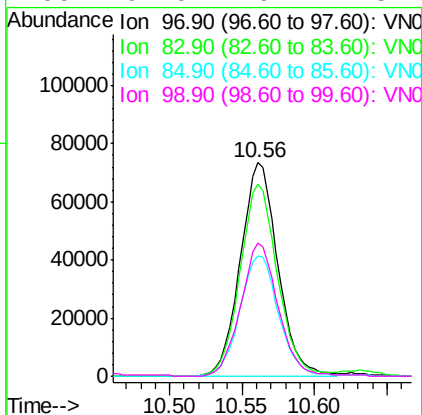
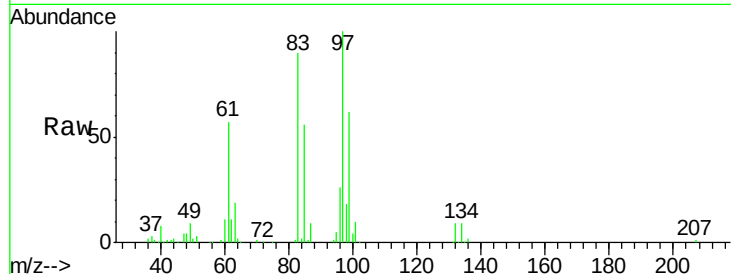


#55
 1,1,2-Trichloroethane
 Concen: 20.036 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054101.D
 Acq: 5 Mar 2019 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305WBSD01

Tot Ion: 97 Resp: 132276

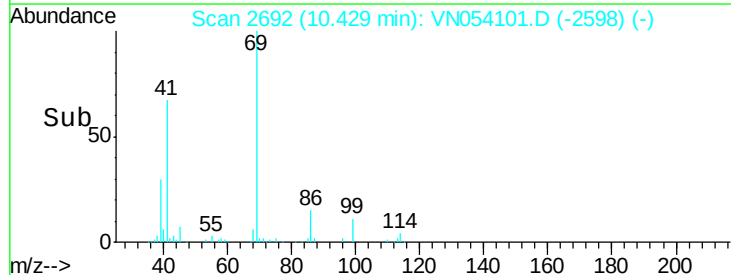
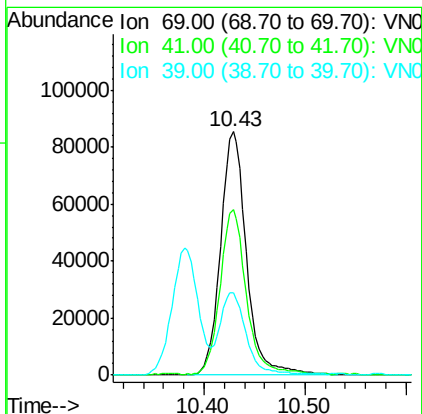
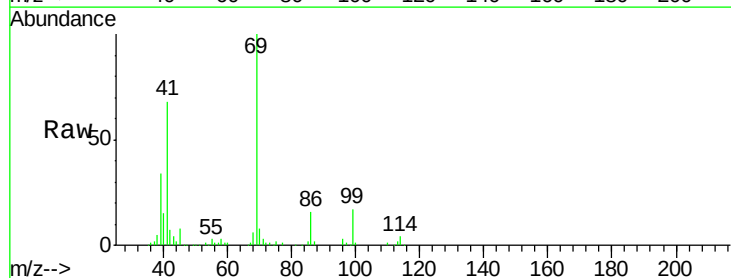
Ion	Ratio	Lower	Upper
97	100		
83	89.9	69.5	104.3
85	56.2	45.9	68.9
99	62.0	49.1	73.7

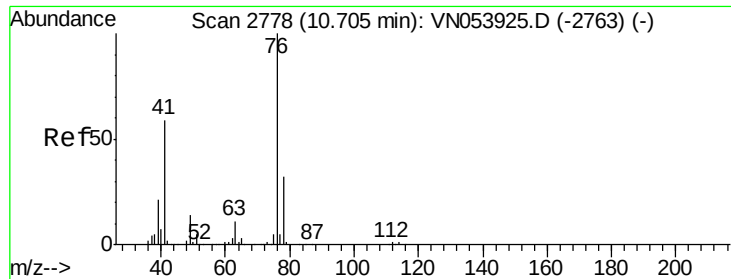


#56
 Ethyl methacrylate
 Concen: 19.032 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054101.D
 Acq: 5 Mar 2019 16:08

Tgt Ion: 69 Resp: 153844

Ion	Ratio	Lower	Upper
69	100		
41	68.4	47.5	71.3
39	32.9	23.4	35.0





#57

1,3-Dichloropropane

Concen: 20.350 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

Instrument :

MSVOA_N

ClientSampled :

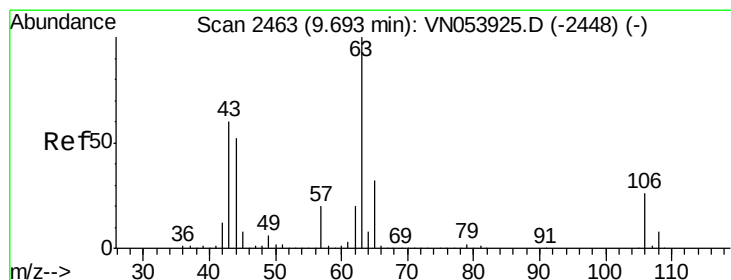
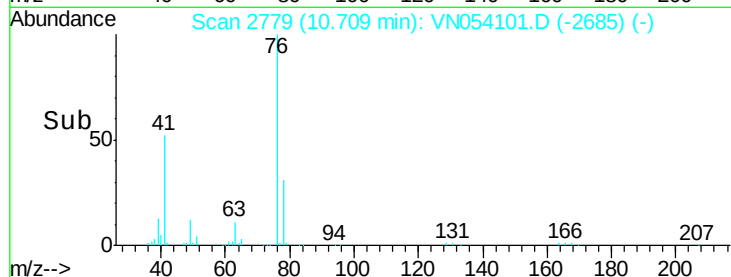
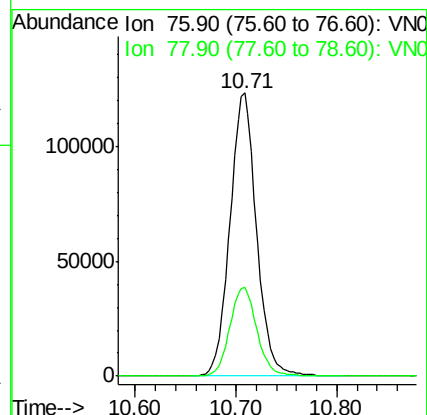
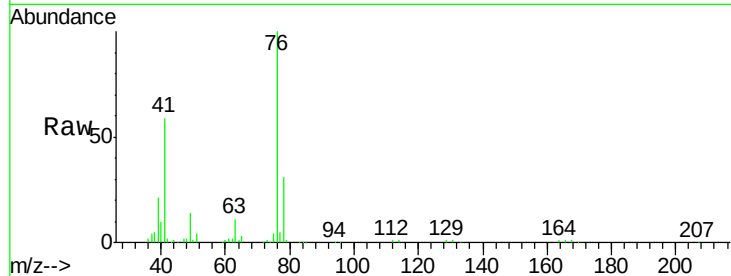
VN0305WBSD01

Tot Ion: 76 Resp: 227009

Ion Ratio Lower Upper

76 100

78 31.9 25.2 37.8



#58

2-Chloroethyl Vinyl ether

Concen: 94.623 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054101.D

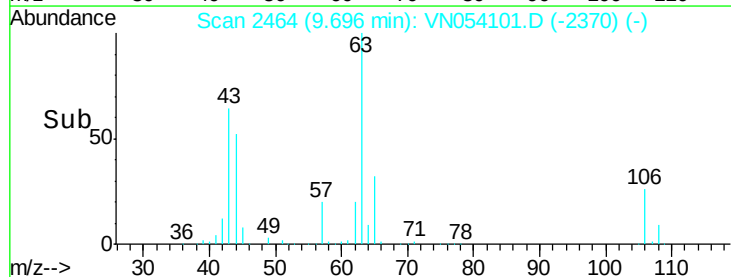
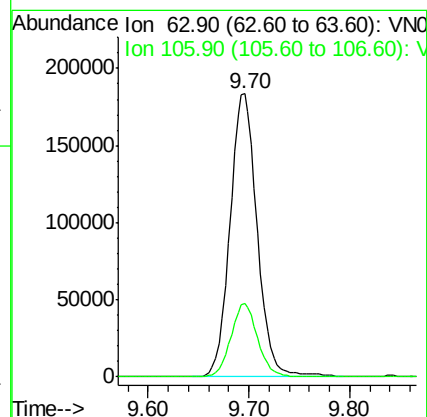
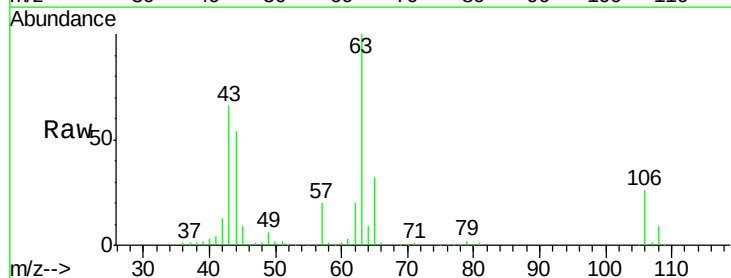
Acq: 5 Mar 2019 16:08

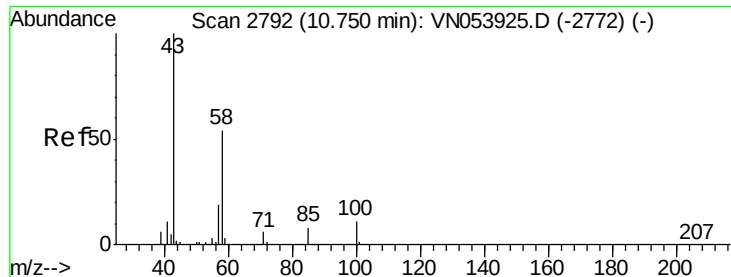
Tgt Ion: 63 Resp: 345277

Ion Ratio Lower Upper

63 100

106 25.5 22.2 33.2

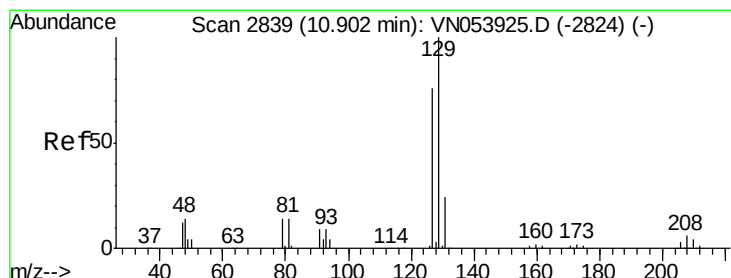
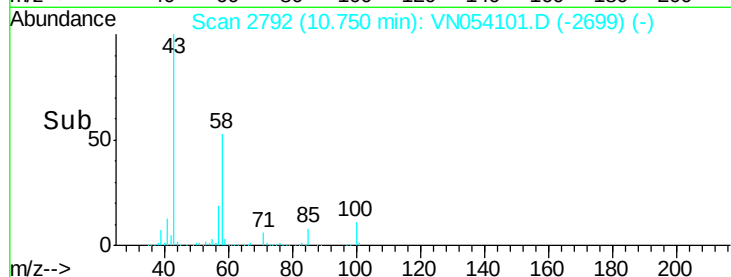
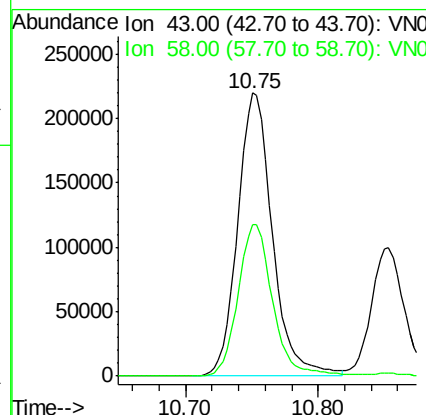
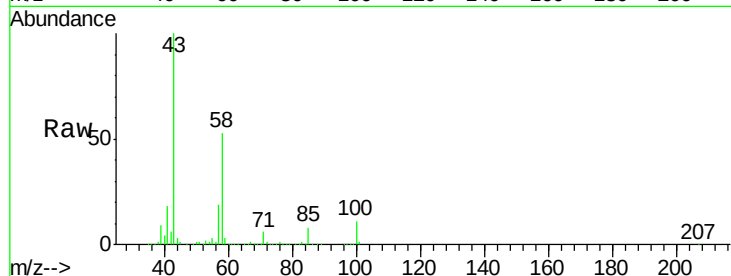




#59
2-Hexanone
Concen: 100.719 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN054101.D
Acq: 5 Mar 2019 16:08

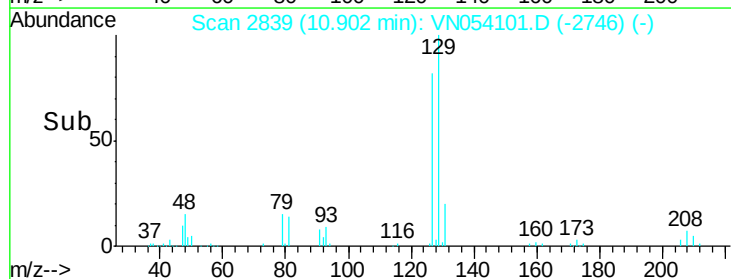
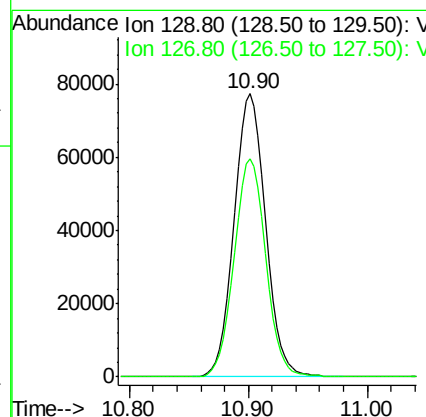
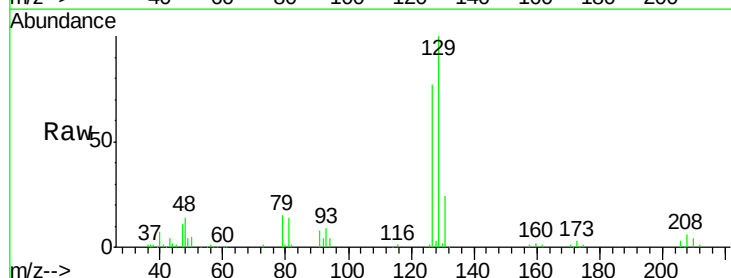
Instrument :
MSVOA_N
ClientSampleId :
VN0305WBSD01

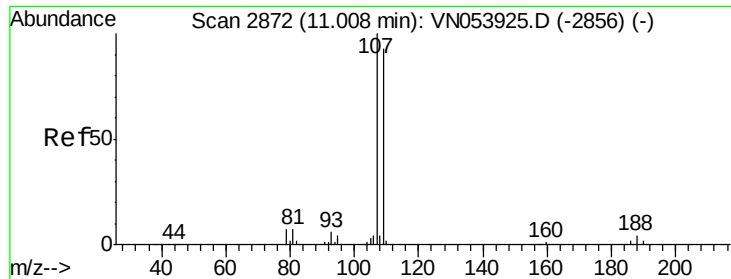
Tot Ion: 43 Resp: 396596
Ion Ratio Lower Upper
43 100
58 53.7 29.1 87.4



#60
Dibromochloromethane
Concen: 19.355 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054101.D
Acq: 5 Mar 2019 16:08

Tgt Ion: 129 Resp: 142011
Ion Ratio Lower Upper
129 100
127 77.3 38.8 116.3





#61

1,2-Dibromoethane

Concen: 19.788 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

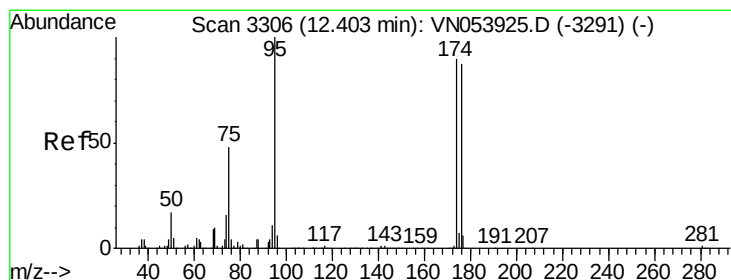
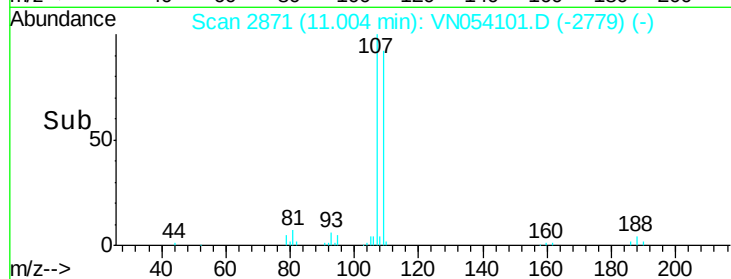
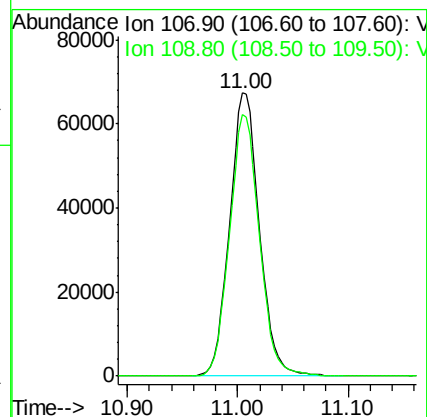
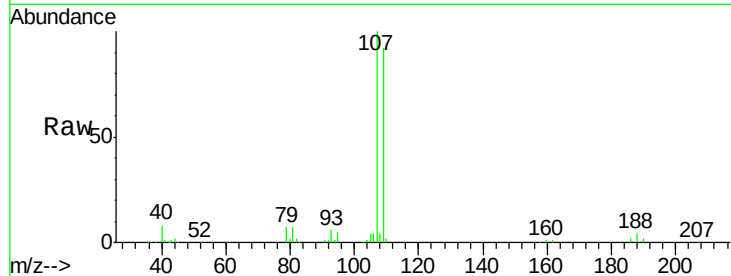
VN0305WBSD01

Tot Ion:107 Resp: 126021

Ion Ratio Lower Upper

107 100

109 92.9 76.3 114.5



#62

4-Bromofluorobenzene

Concen: 48.736 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

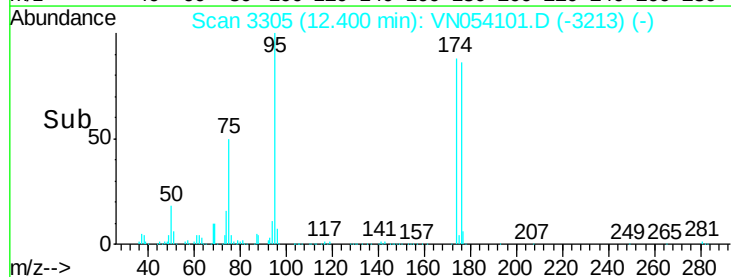
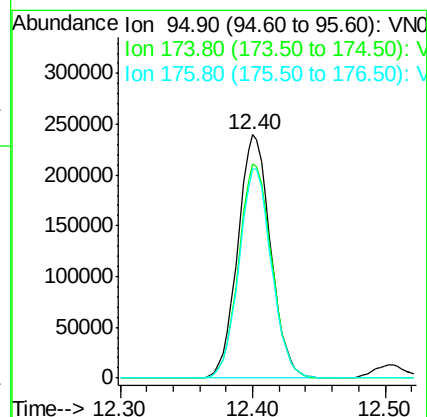
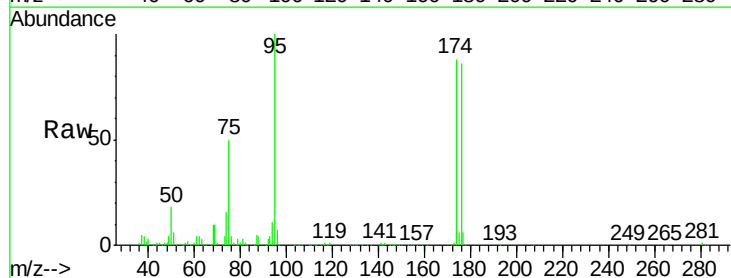
Tgt Ion: 95 Resp: 410755

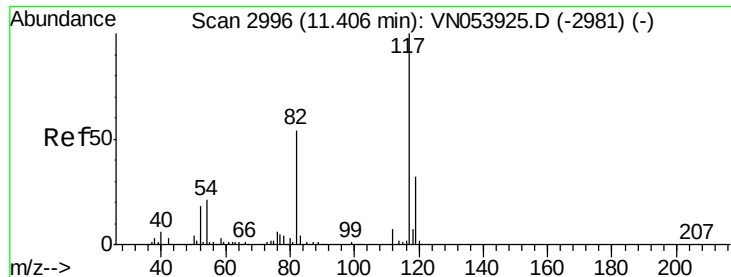
Ion Ratio Lower Upper

95 100

174 88.4 0.0 188.8

176 85.5 0.0 182.6

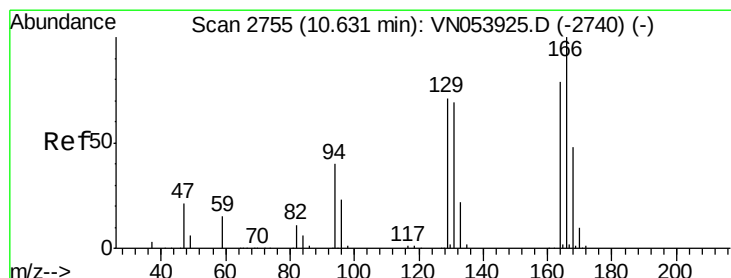
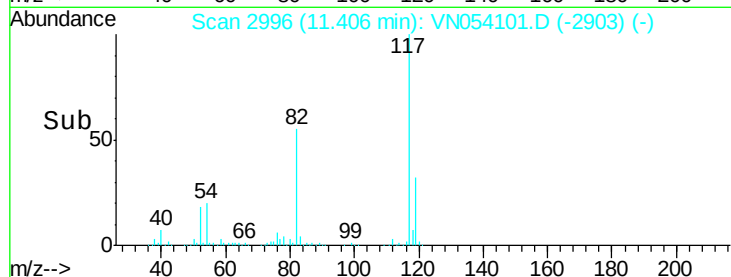
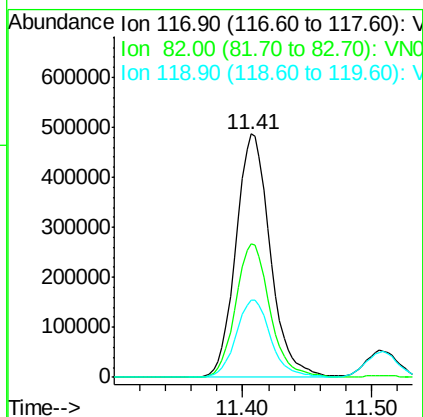
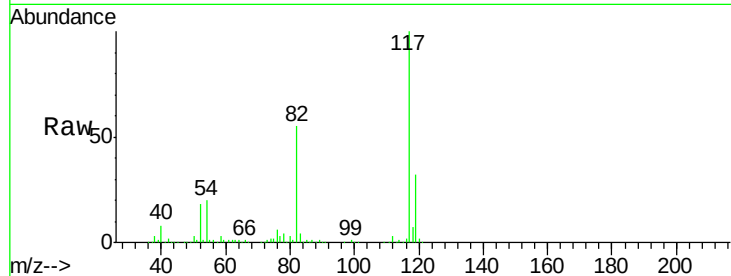




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054101.D
Acq: 5 Mar 2019 16:08

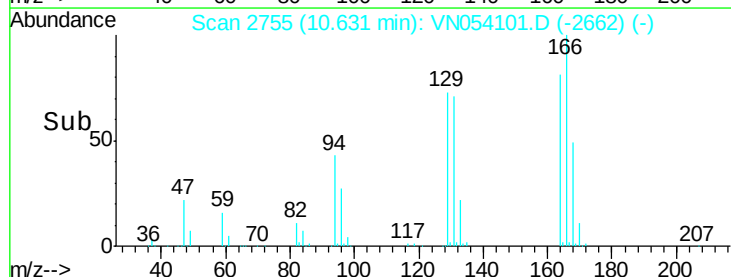
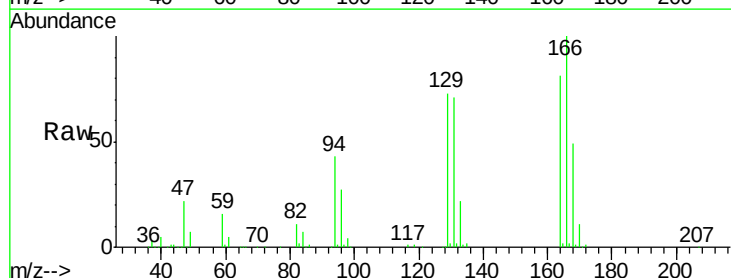
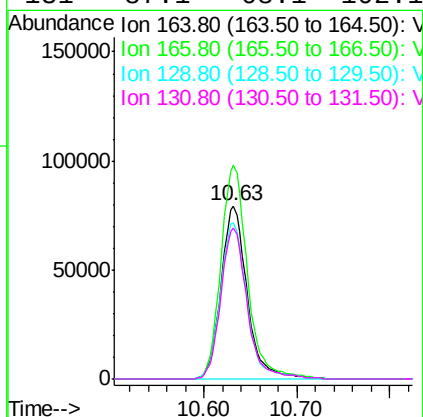
Instrument :
MSVOA_N
ClientSampleId :
VN0305WBSD01

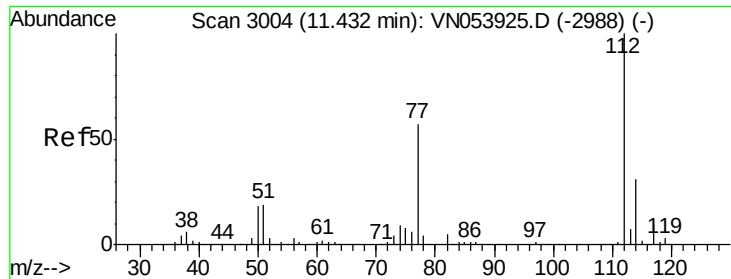
Tot Ion:117 Resp: 903189
Ion Ratio Lower Upper
117 100
82 55.1 41.4 62.2
119 31.6 25.3 37.9



#64
Tetrachloroethene
Concen: 20.246 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054101.D
Acq: 5 Mar 2019 16:08

Tgt Ion:164 Resp: 154841
Ion Ratio Lower Upper
164 100
166 123.5 102.6 153.8
129 90.4 69.4 104.0
131 87.1 68.1 102.1

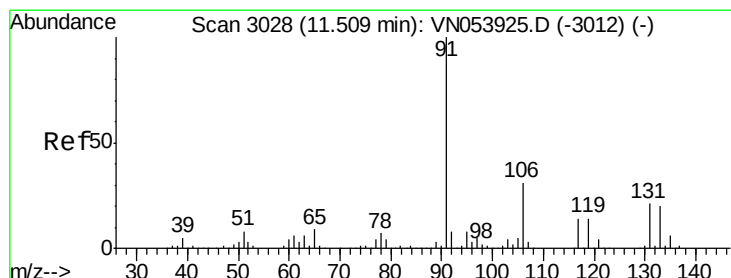
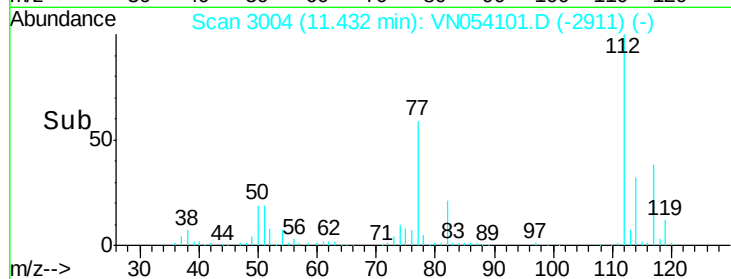
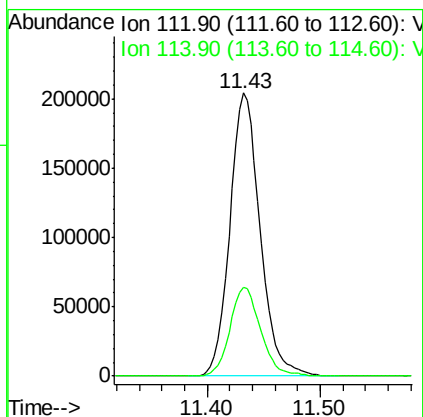
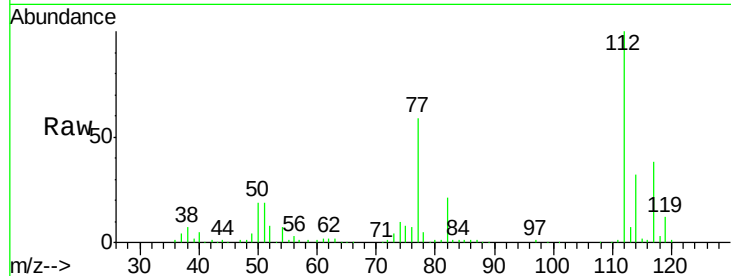




#65
Chlorobenzene
Concen: 19.899 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054101.D
Acq: 5 Mar 2019 16:08

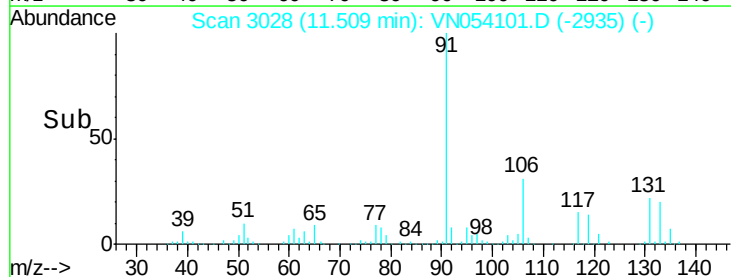
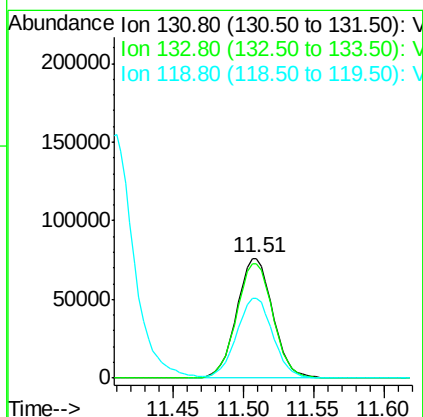
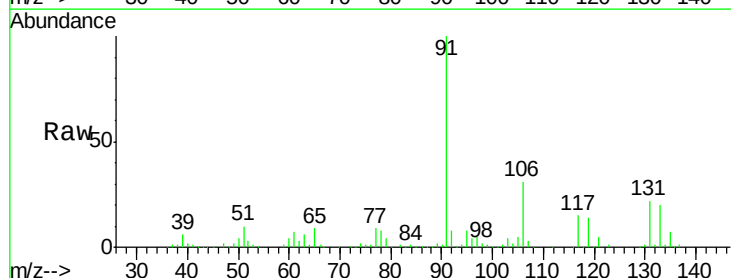
Instrument :
MSVOA_N
ClientSampleId :
VN0305WBSD01

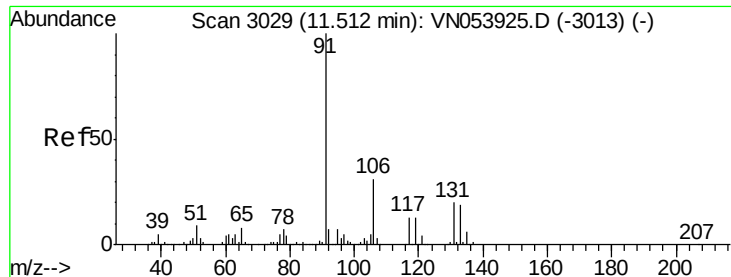
Tot Ion:112 Resp: 379304
Ion Ratio Lower Upper
112 100
114 31.6 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 19.894 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054101.D
Acq: 5 Mar 2019 16:08

Tgt Ion:131 Resp: 136666
Ion Ratio Lower Upper
131 100
133 96.4 47.7 143.1
119 67.0 33.1 99.3

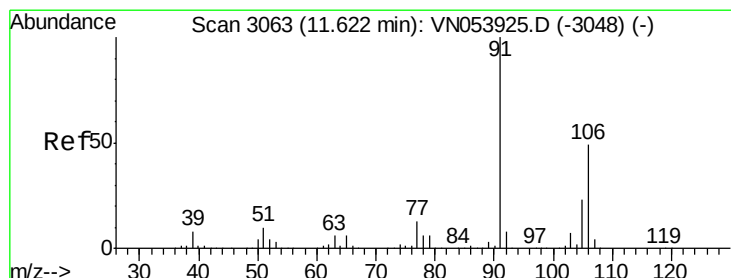
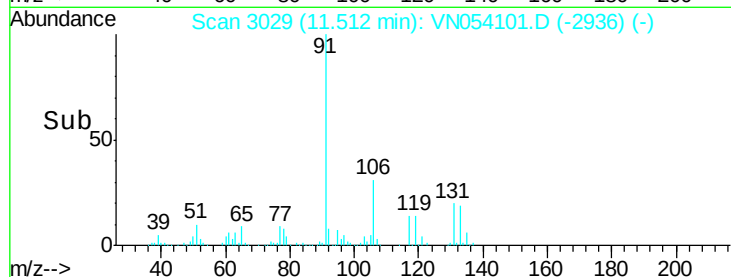
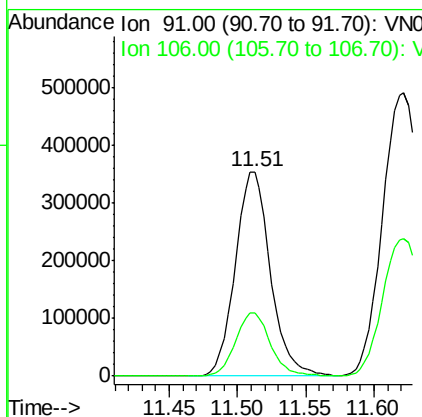
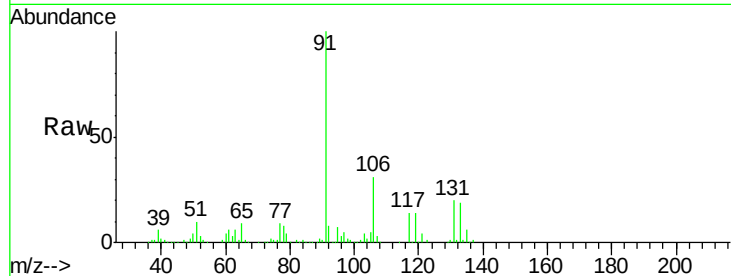




#67
Ethyl Benzene
Concen: 19.828 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054101.D
Acq: 5 Mar 2019 16:08

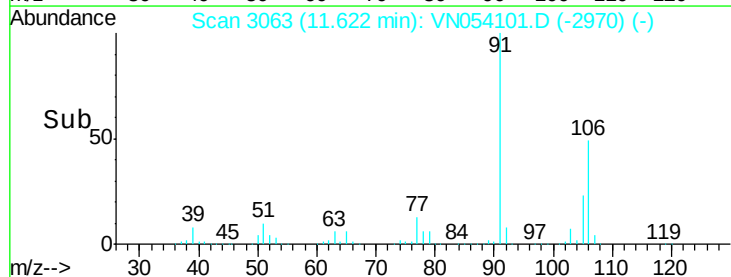
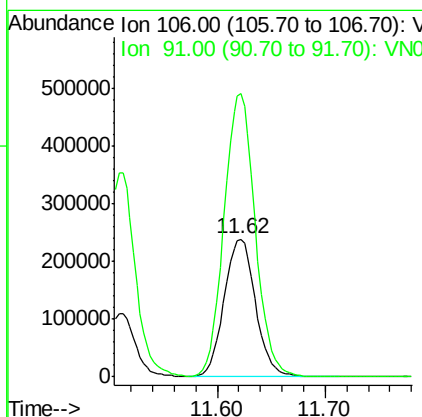
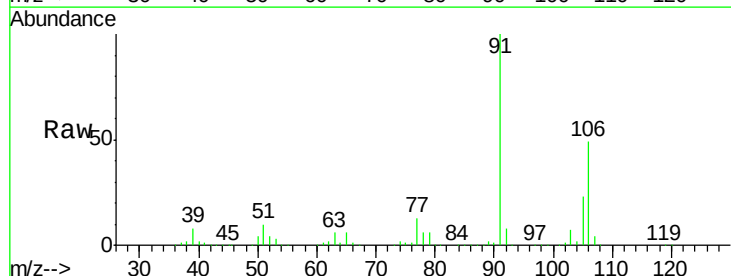
Instrument :
MSVOA_N
ClientSampled :
VN0305WBSD01

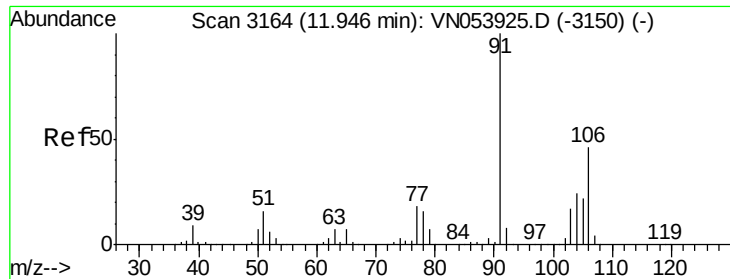
Tot Ion: 91 Resp: 633604
Ion Ratio Lower Upper
91 100
106 30.7 25.2 37.8



#68
m/p-Xylenes
Concen: 40.173 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054101.D
Acq: 5 Mar 2019 16:08

Tgt Ion: 106 Resp: 484512
Ion Ratio Lower Upper
106 100
91 203.3 158.9 238.3

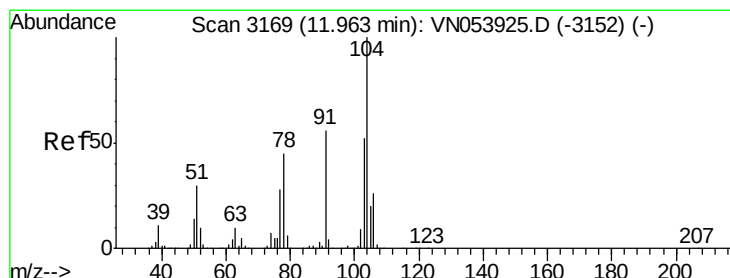
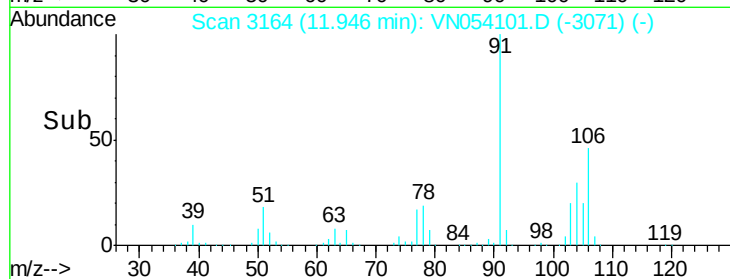
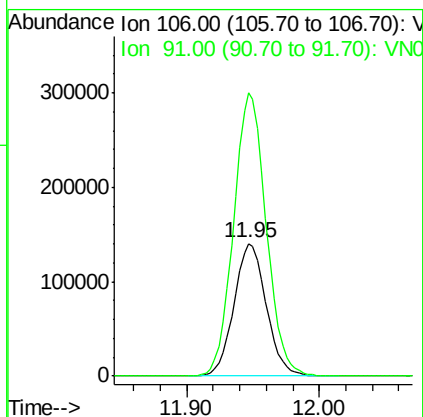
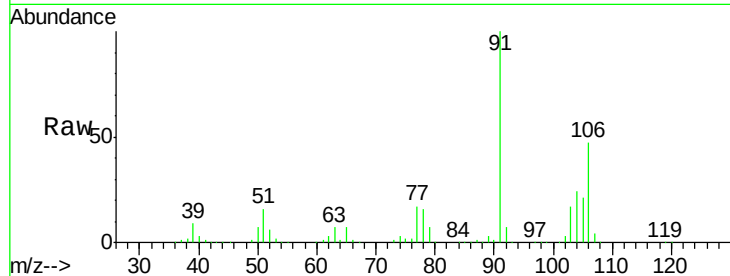




#69
o-Xylene
Concen: 20.015 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054101.D
Acq: 5 Mar 2019 16:08

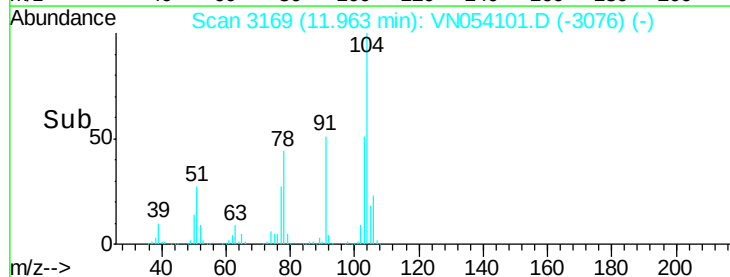
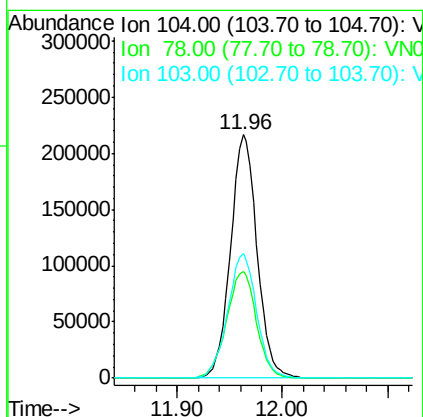
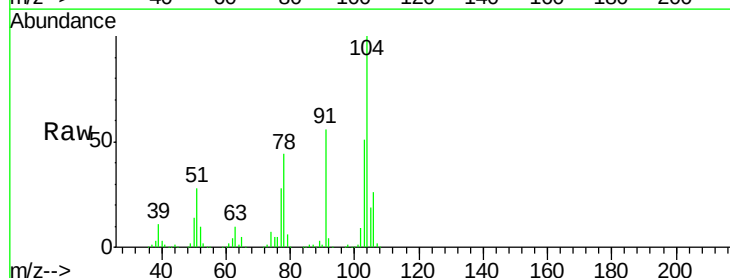
Instrument :
MSVOA_N
ClientSampled :
VN0305WBSD01

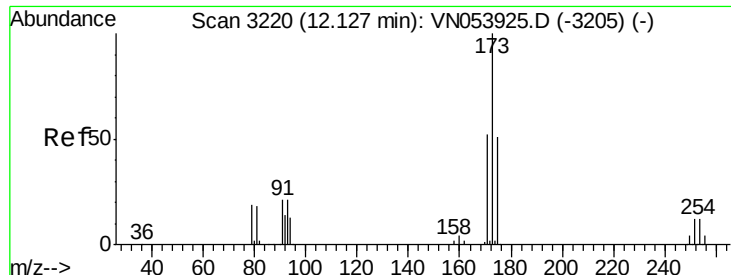
Tot Ion:106 Resp: 237188
Ion Ratio Lower Upper
106 100
91 215.7 106.0 318.0



#70
Styrene
Concen: 20.642 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054101.D
Acq: 5 Mar 2019 16:08

Tgt Ion:104 Resp: 376250
Ion Ratio Lower Upper
104 100
78 49.4 38.1 57.1
103 55.8 44.6 67.0





#71

Bromoform

Concen: 19.460 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

Instrument :

MSVOA_N

ClientSampled :

VN0305WBSD01

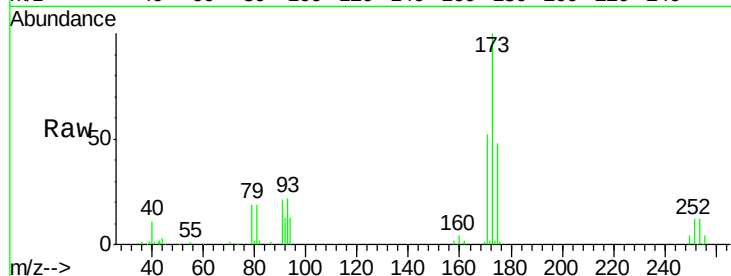
Tot Ion:173 Resp: 93006

Ion Ratio Lower Upper

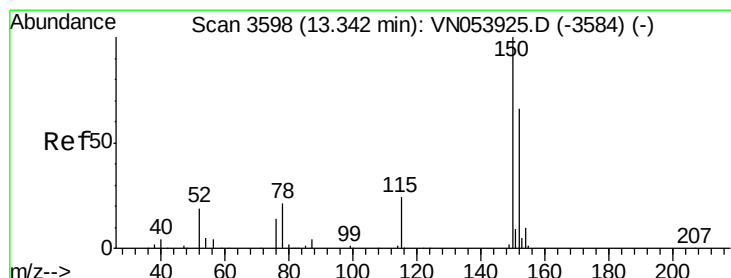
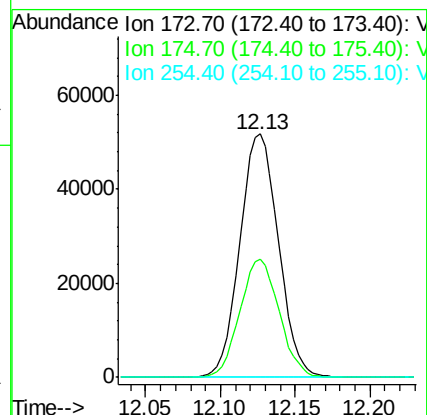
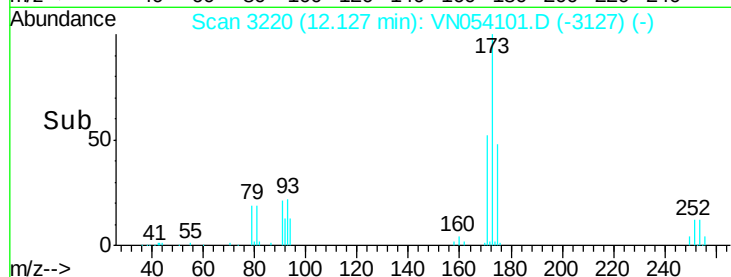
173 100

175 49.2 24.3 72.8

254 0.1 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

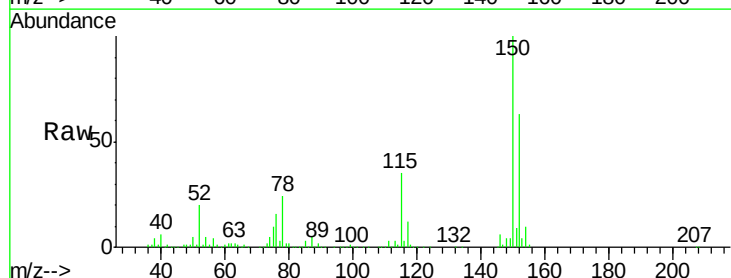
Tgt Ion:152 Resp: 394748

Ion Ratio Lower Upper

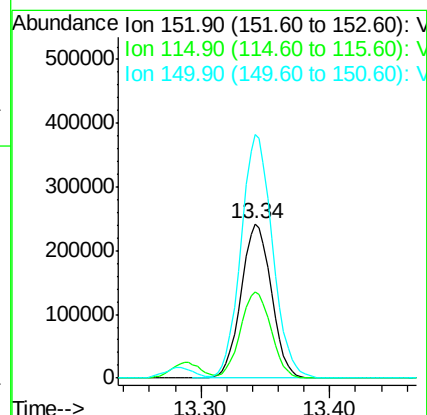
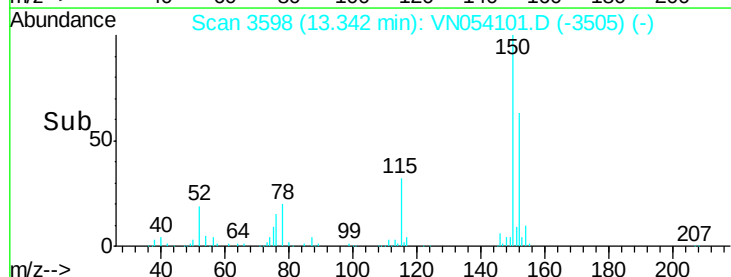
152 100

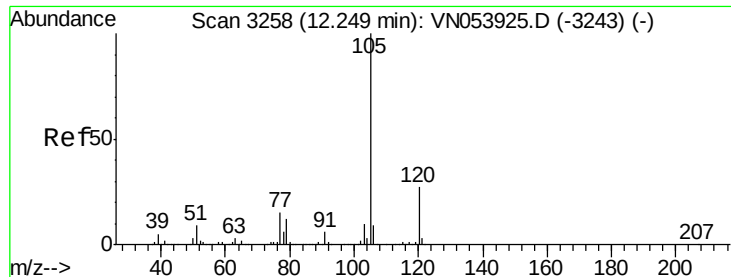
115 56.7 27.2 81.6

150 164.8 0.0 348.2



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





#73

Isopropylbenzene

Concen: 20.070 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

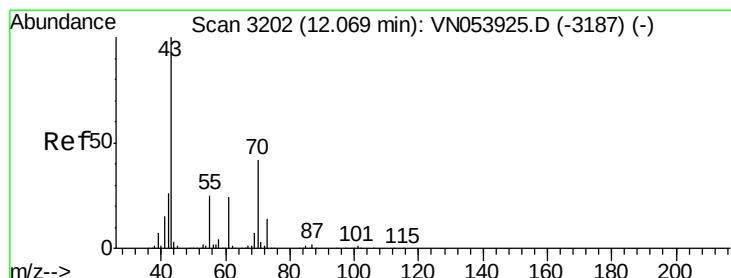
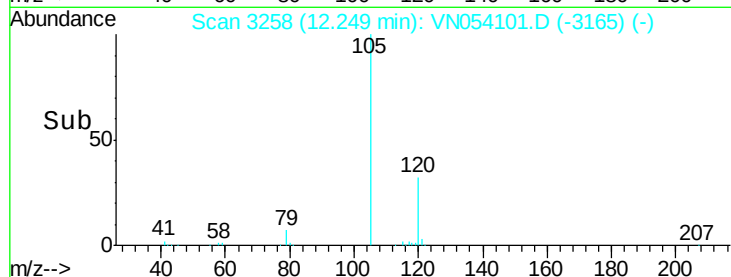
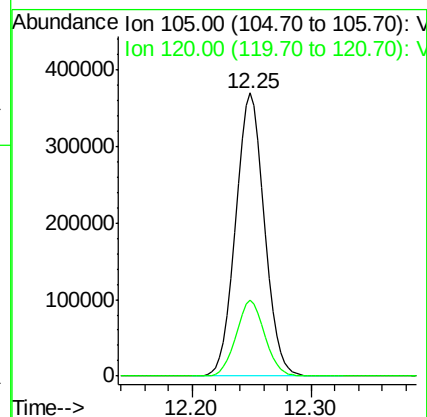
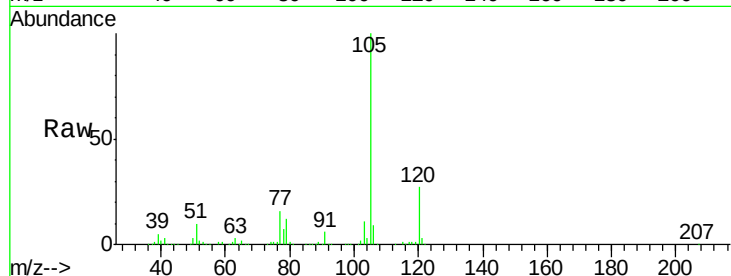
VN0305WBSD01

Tot Ion:105 Resp: 616731

Ion Ratio Lower Upper

105 100

120 26.6 13.5 40.5



#74

N-ethyl acetate

Concen: 21.324 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

Tgt Ion: 43 Resp: 171741

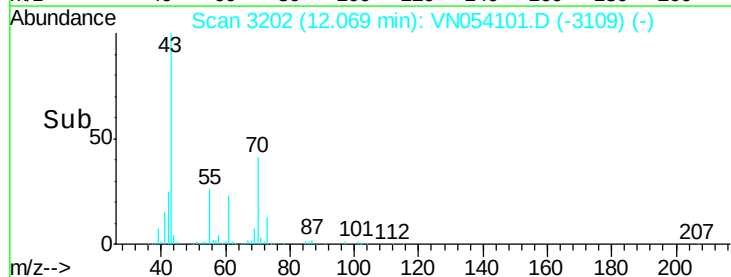
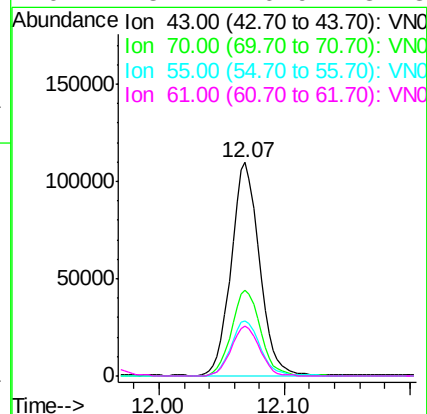
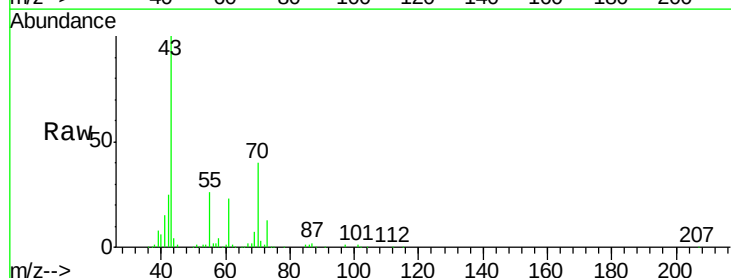
Ion Ratio Lower Upper

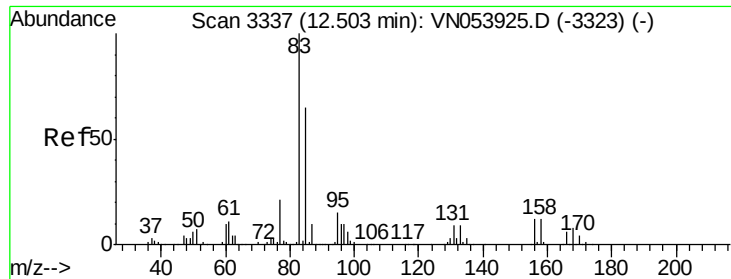
43 100

70 41.2 37.4 56.2

55 27.0 21.4 32.0

61 23.7 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.244 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

VN0305WBSD01

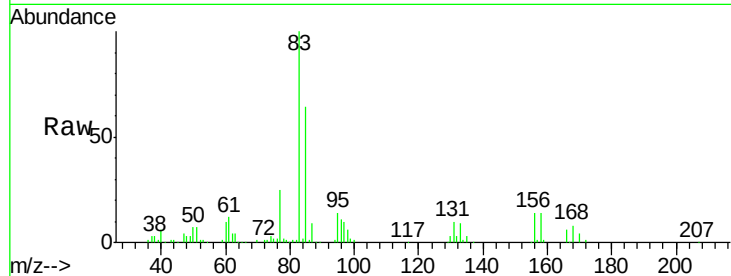
Tot Ion: 83 Resp: 155559

Ion Ratio Lower Upper

83 100

131 10.3 5.3 16.1

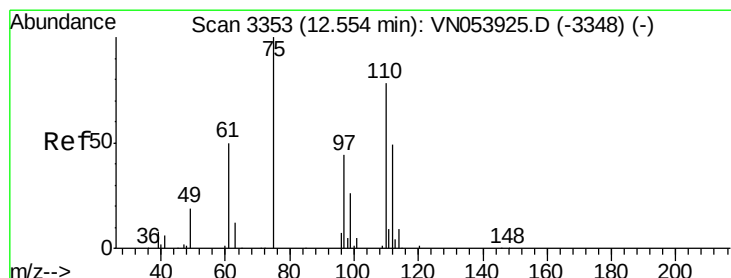
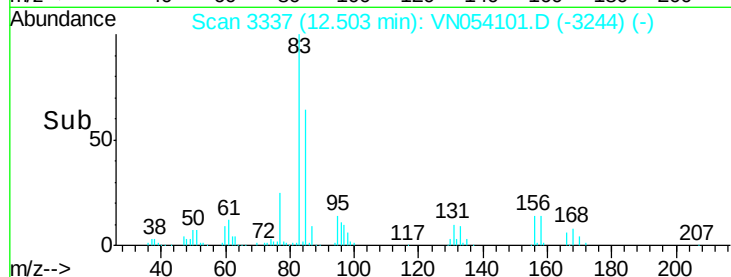
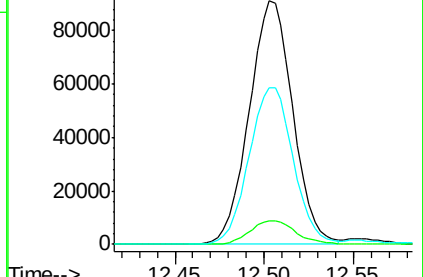
85 65.3 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 29.937 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054101.D

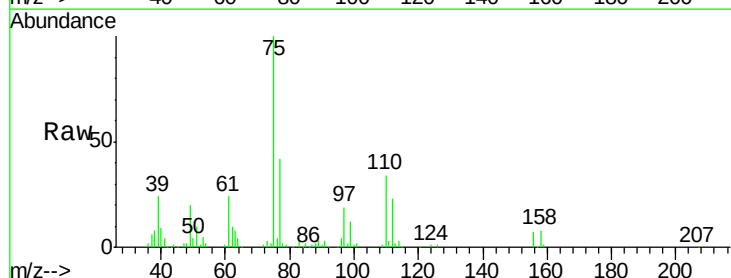
Acq: 5 Mar 2019 16:08

Tgt Ion: 75 Resp: 189577

Ion Ratio Lower Upper

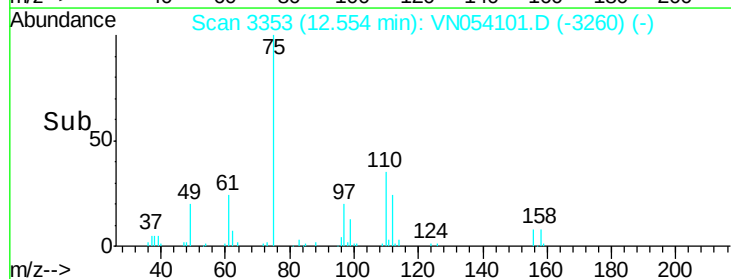
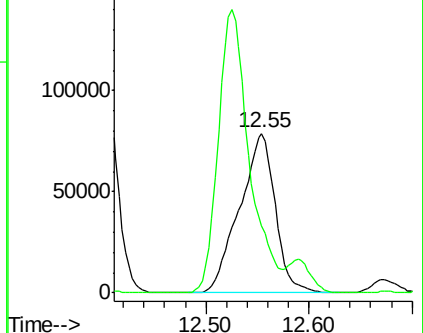
75 100

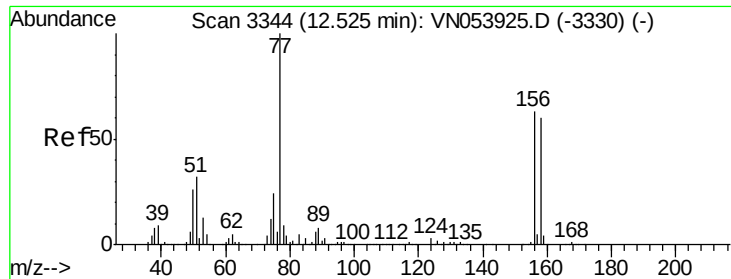
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.843 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

Instrument :

MSVOA_N

ClientSampled :

VN0305WBSD01

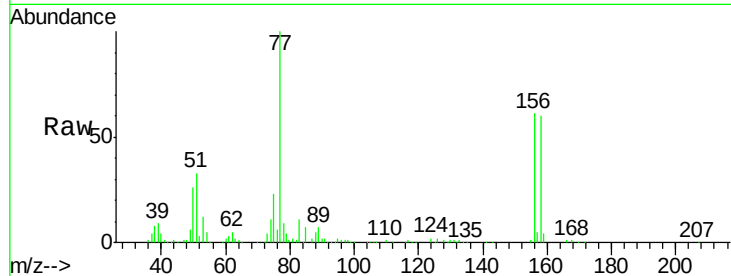
Tot Ion:156 Resp: 154806

Ion Ratio Lower Upper

156 100

77 189.3 84.0 252.2

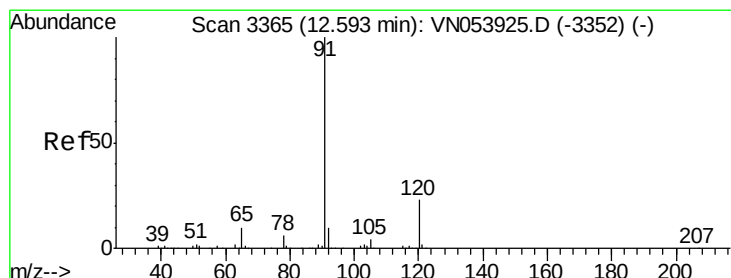
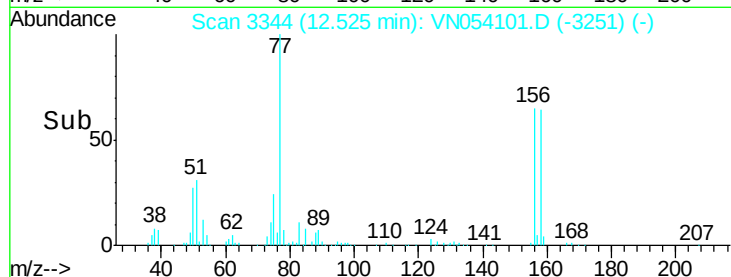
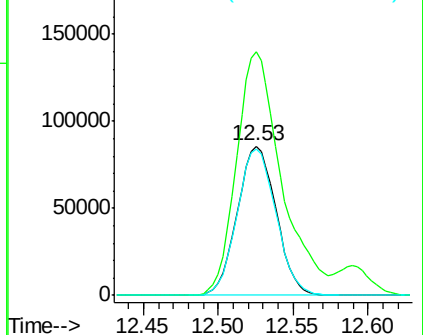
158 98.6 48.5 145.6



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: 20.099 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054101.D

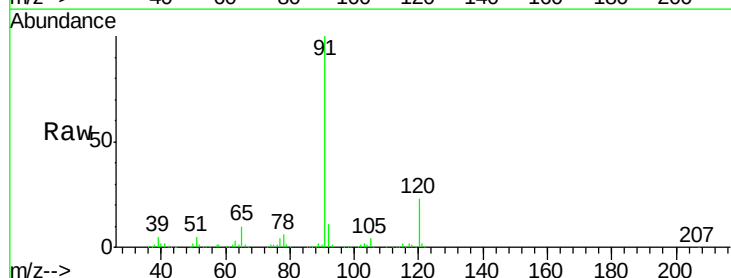
Acq: 5 Mar 2019 16:08

Tgt Ion: 91 Resp: 702374

Ion Ratio Lower Upper

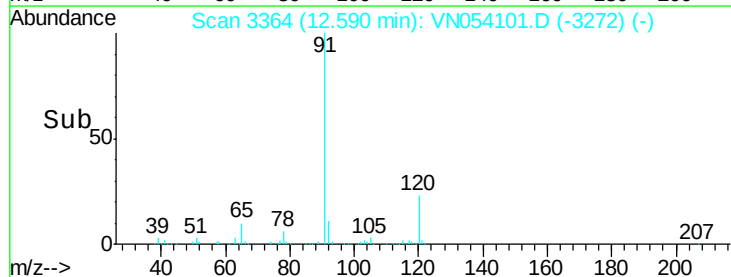
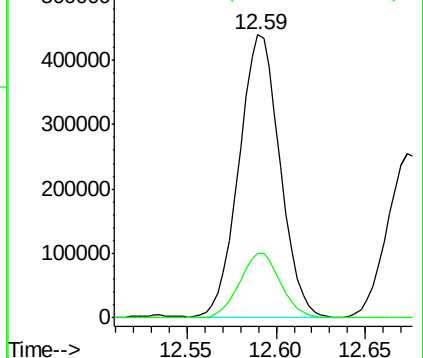
91 100

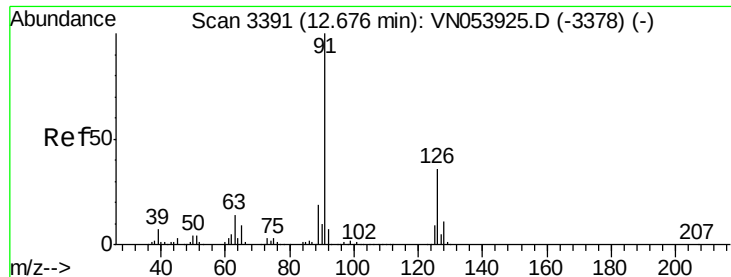
120 22.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.241 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

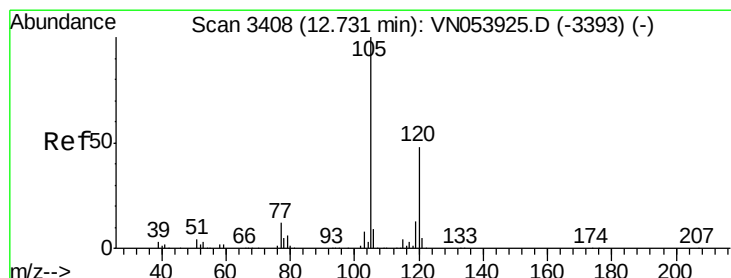
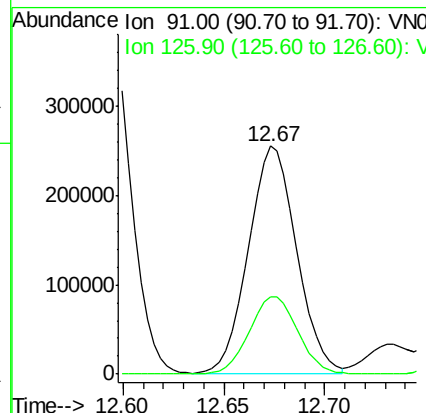
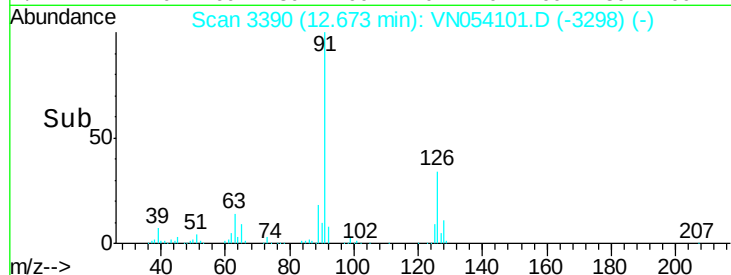
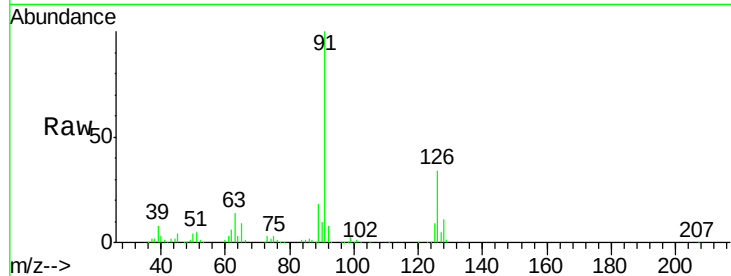
VN0305WBSD01

Tot Ion: 91 Resp: 424917

Ion Ratio Lower Upper

91 100

126 34.5 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 20.451 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054101.D

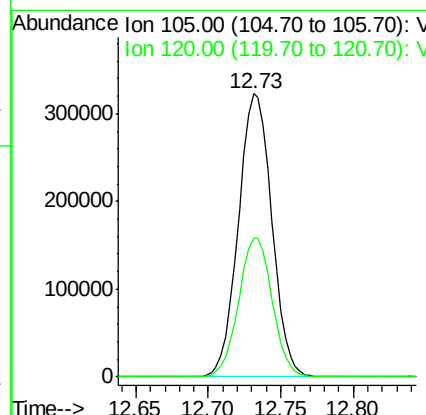
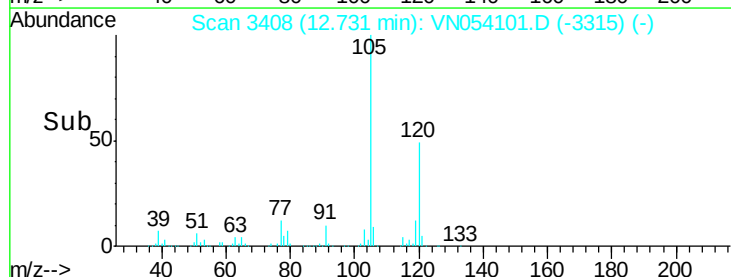
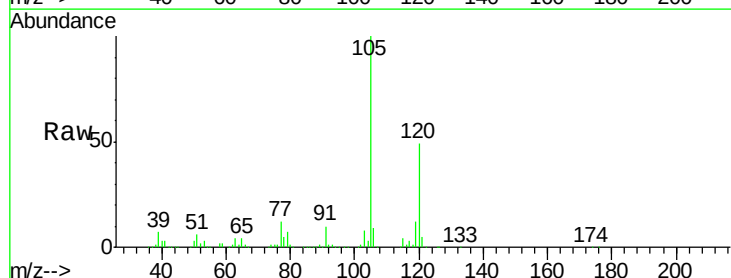
Acq: 5 Mar 2019 16:08

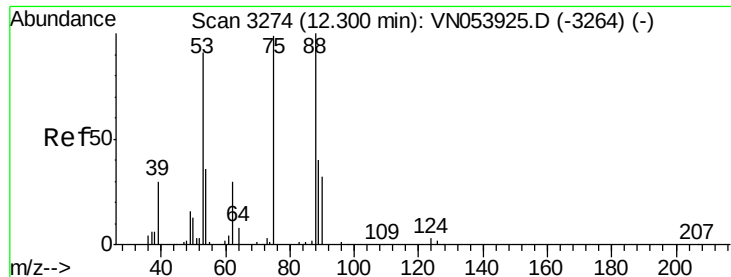
Tgt Ion:105 Resp: 514478

Ion Ratio Lower Upper

105 100

120 49.3 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.302 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

VN0305WBSD01

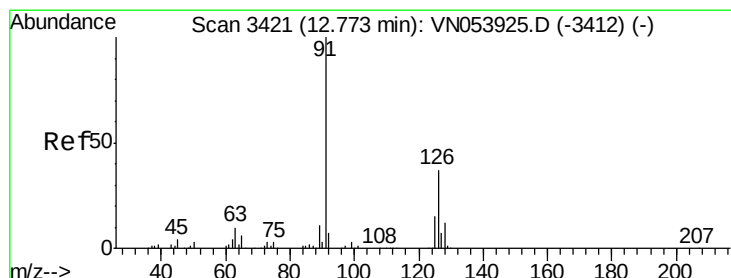
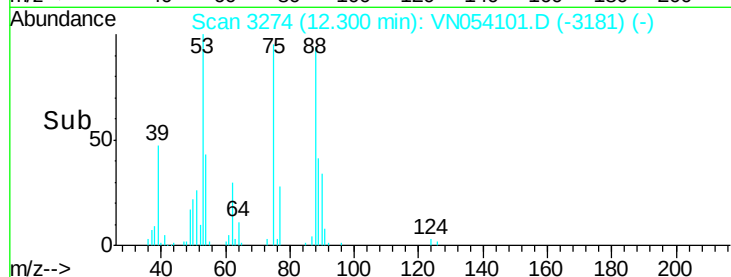
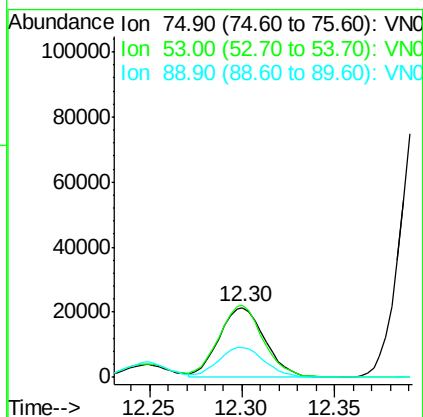
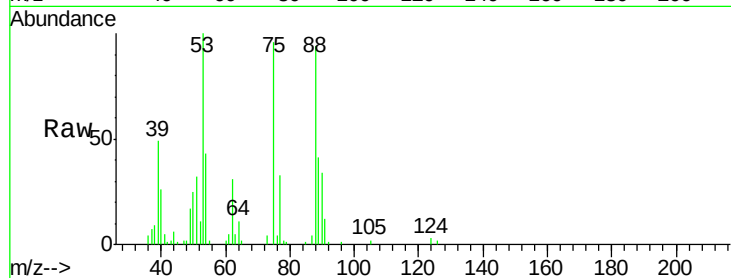
Tot Ion: 75 Resp: 36668

Ion Ratio Lower Upper

75 100

53 101.5 68.6 102.8

89 43.5 35.3 52.9



#82

4-Chlorotoluene

Concen: 20.271 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054101.D

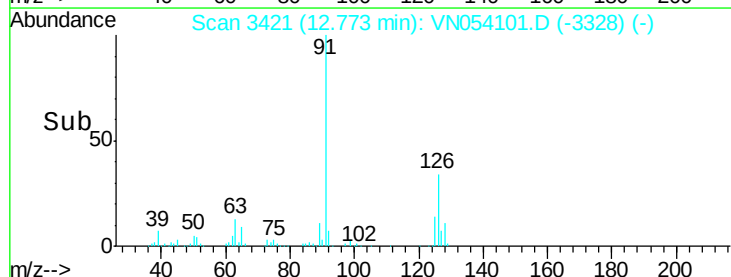
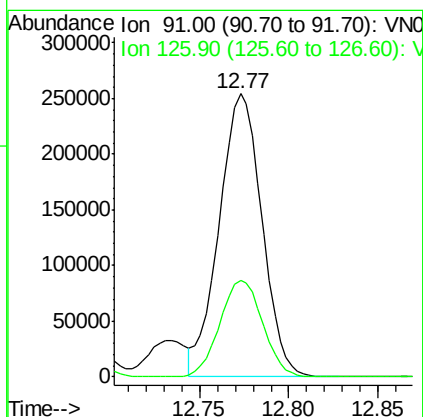
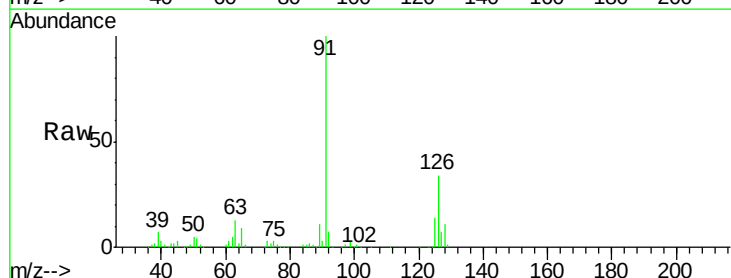
Acq: 5 Mar 2019 16:08

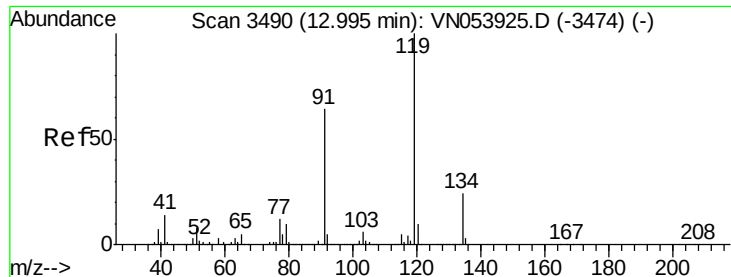
Tgt Ion: 91 Resp: 420591

Ion Ratio Lower Upper

91 100

126 34.4 18.0 54.0

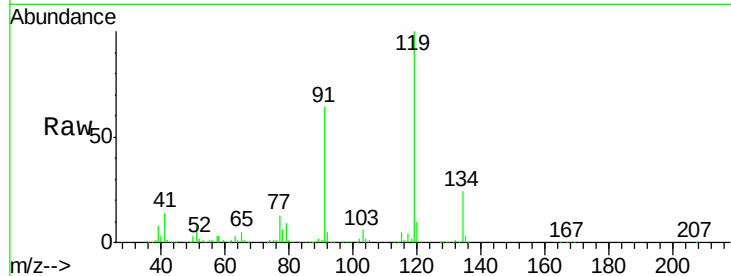




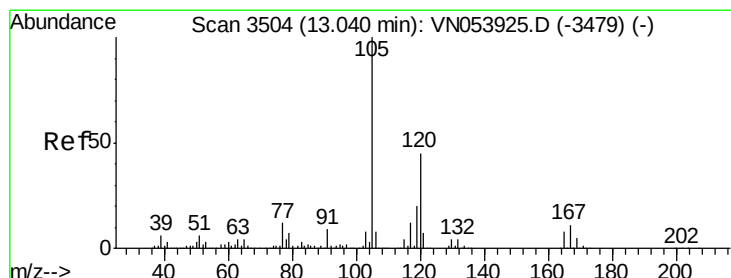
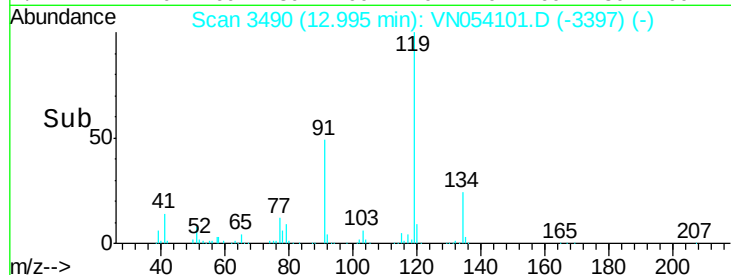
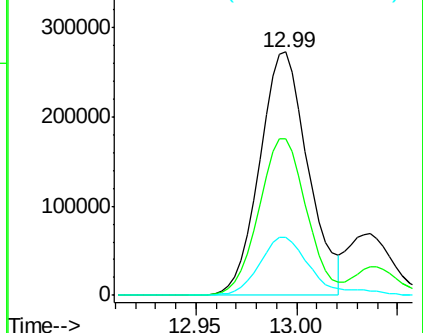
#83
 tert-Butylbenzene
 Concen: 20.559 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054101.D
 Acq: 5 Mar 2019 16:08

Instrument :
 MSVOA_N
 ClientSampled :
 VN0305WBSD01

Tot Ion:119 Resp: 457432
 Ion Ratio Lower Upper
 119 100
 91 63.1 30.6 91.8
 134 25.5 13.0 39.0

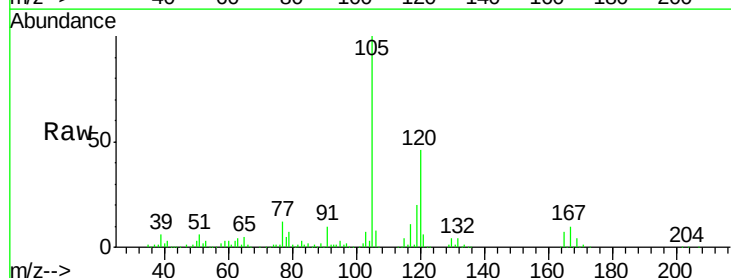


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

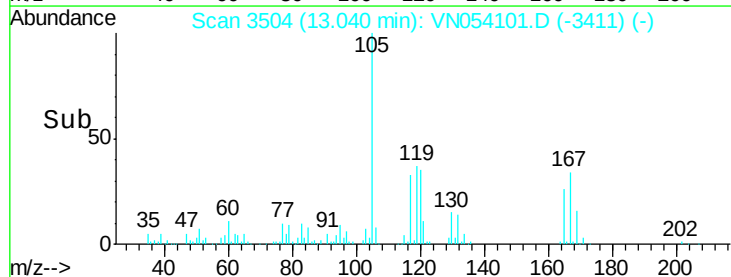
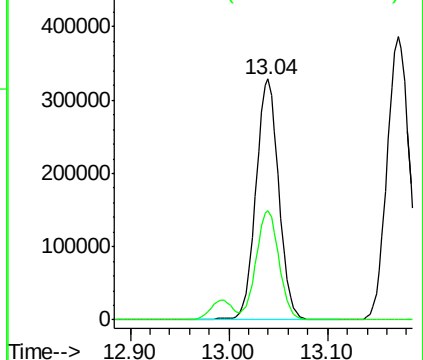


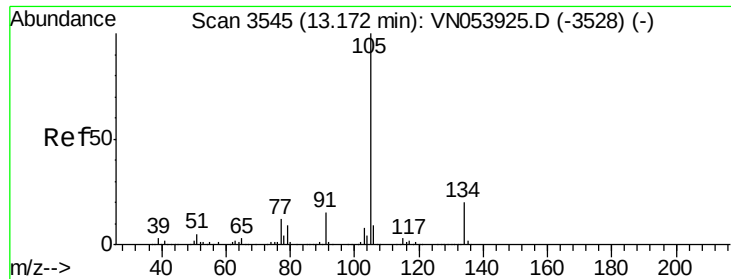
#84
 1,2,4-Trimethylbenzene
 Concen: 20.796 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054101.D
 Acq: 5 Mar 2019 16:08

Tgt Ion:105 Resp: 522272
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.039 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

Instrument :

MSVOA_N

ClientSampled :

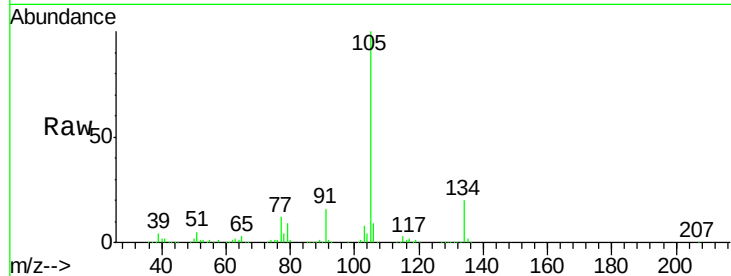
VN0305WBSD01

Tot Ion:105 Resp: 608956

Ion Ratio Lower Upper

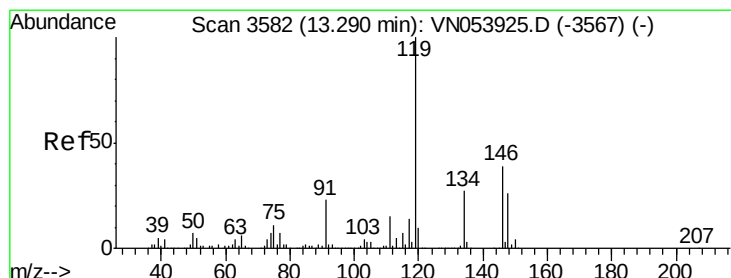
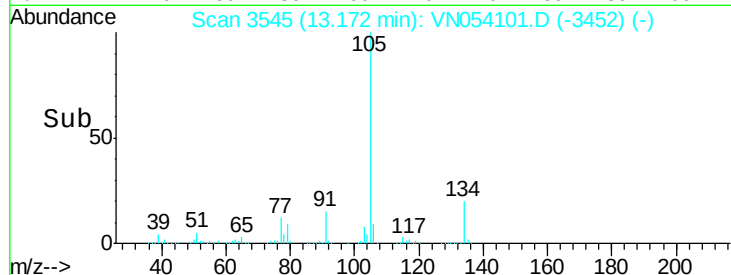
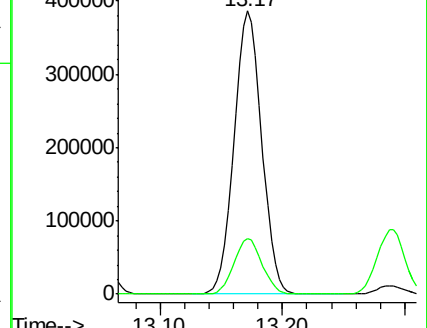
105 100

134 19.9 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.135 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

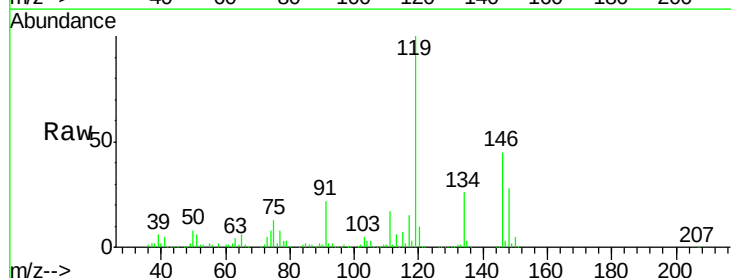
Tgt Ion:119 Resp: 517266

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

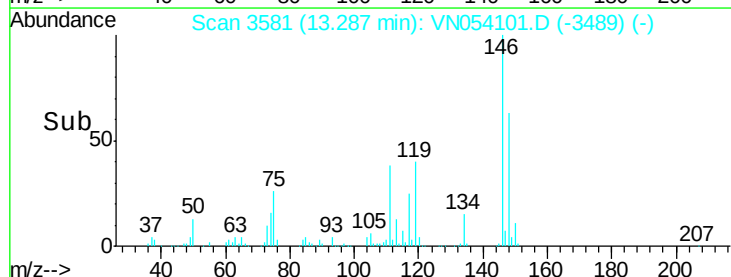
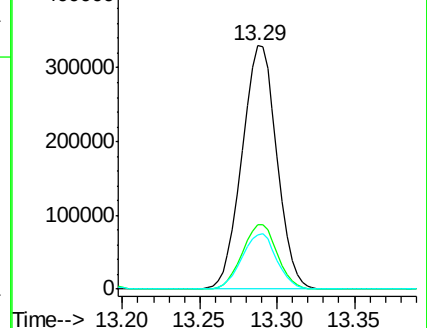
91 22.8 10.9 32.6

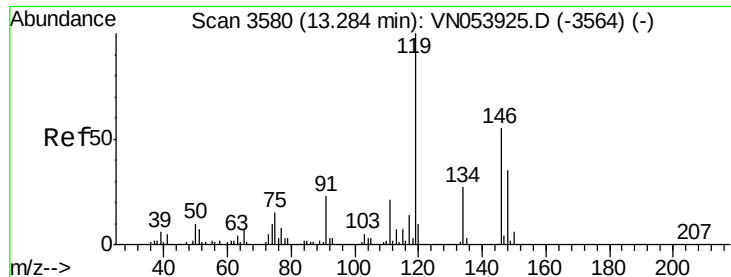


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.846 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

VN0305WBSD01

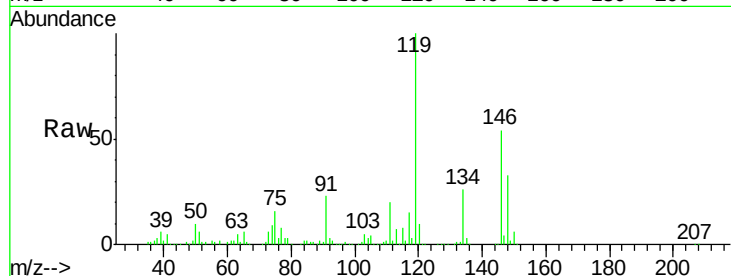
Tot Ion:146 Resp: 267847

Ion Ratio Lower Upper

146 100

111 38.0 18.7 56.1

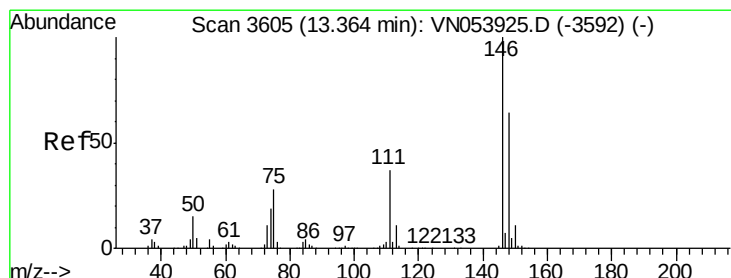
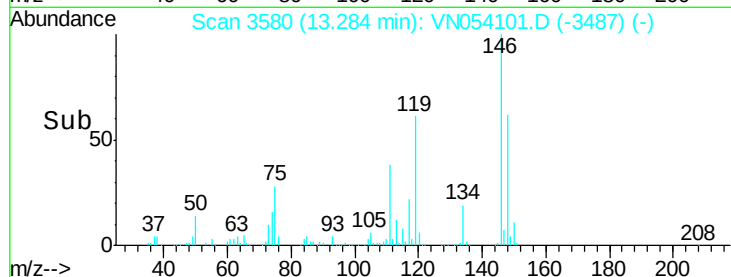
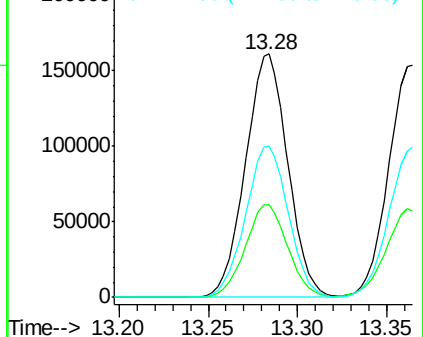
148 62.8 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.718 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

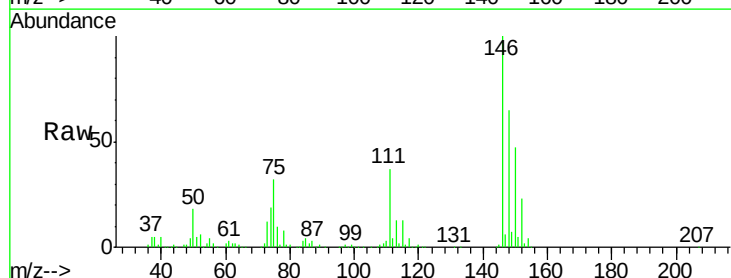
Tgt Ion:146 Resp: 258186

Ion Ratio Lower Upper

146 100

111 38.9 18.0 54.0

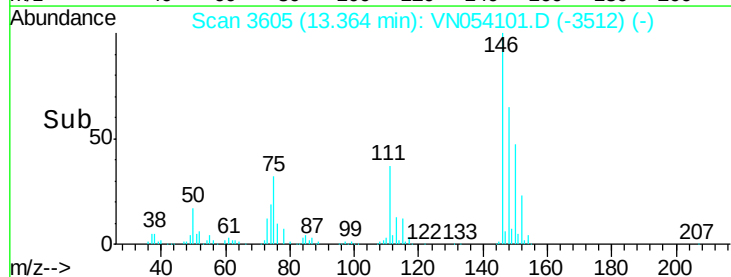
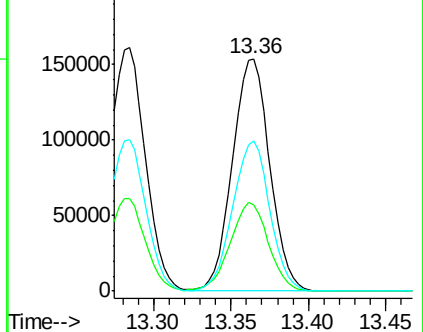
148 63.8 32.1 96.5

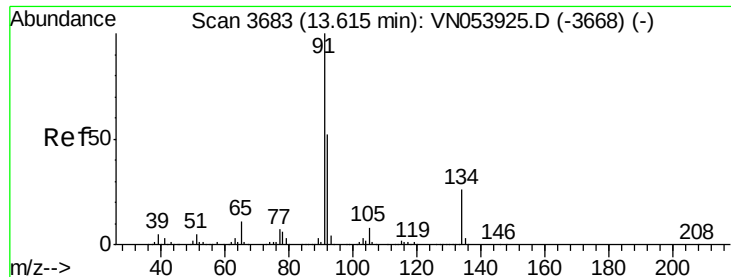


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

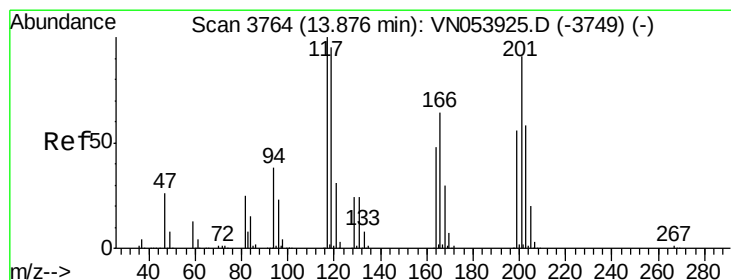
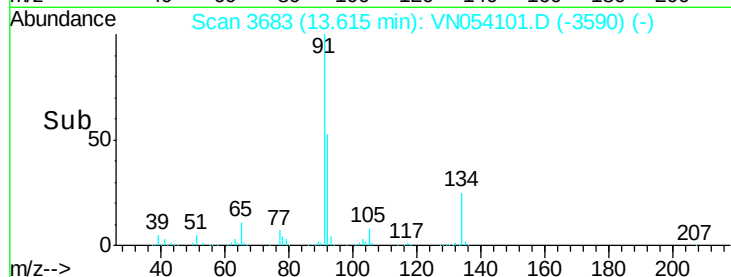
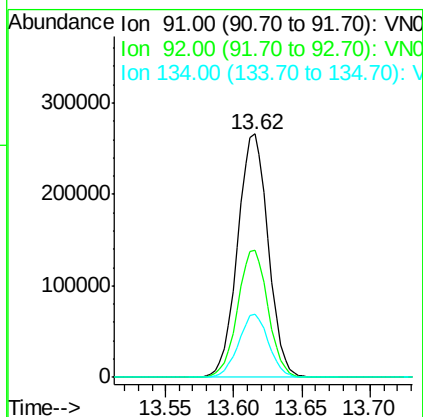
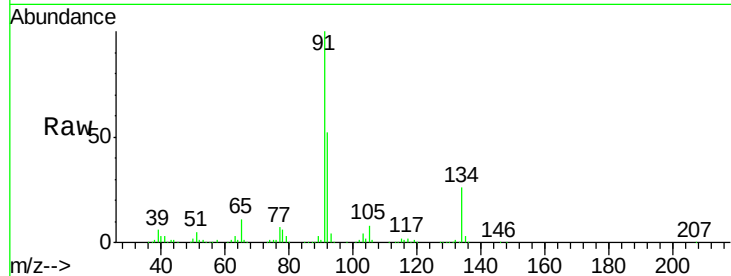




#89
n-Butylbenzene
Concen: 19.134 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054101.D
Acq: 5 Mar 2019 16:08

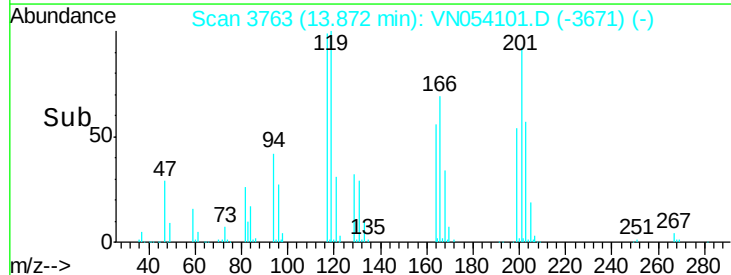
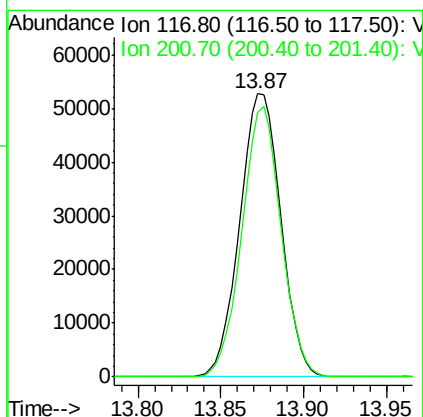
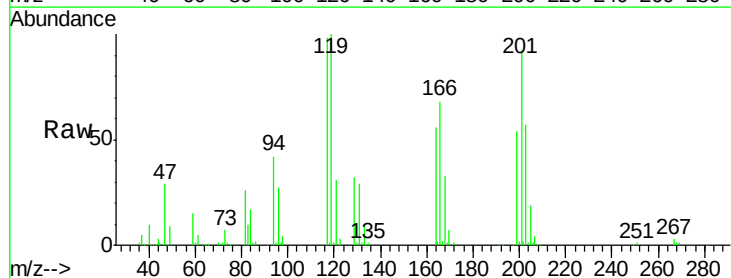
Instrument :
MSVOA_N
ClientSampled :
VN0305WBSD01

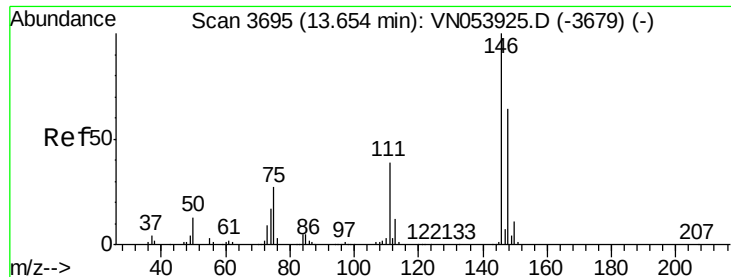
Tot Ion: 91 Resp: 414250
Ion Ratio Lower Upper
91 100
92 51.7 26.1 78.2
134 25.4 13.6 40.8



#90
Hexachloroethane
Concen: 18.303 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054101.D
Acq: 5 Mar 2019 16:08

Tgt Ion: 117 Resp: 91114
Ion Ratio Lower Upper
117 100
201 90.9 48.0 144.2





#91

1,2-Dichlorobenzene

Concen: 20.360 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

Instrument :

MSVOA_N

ClientSampled :

VN0305WBSD01

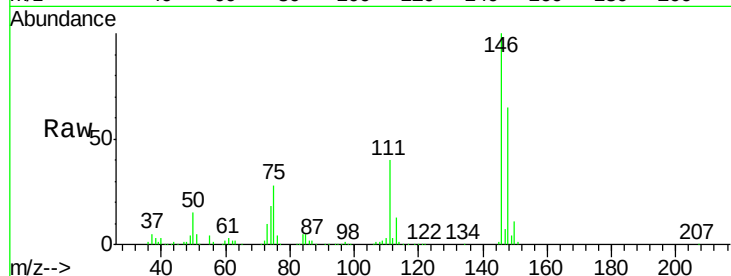
Tot Ion:146 Resp: 265990

Ion Ratio Lower Upper

146 100

111 40.3 19.1 57.5

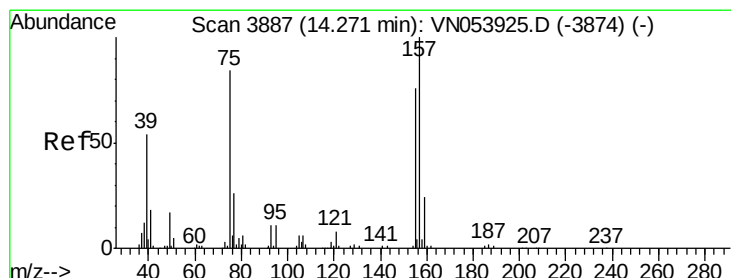
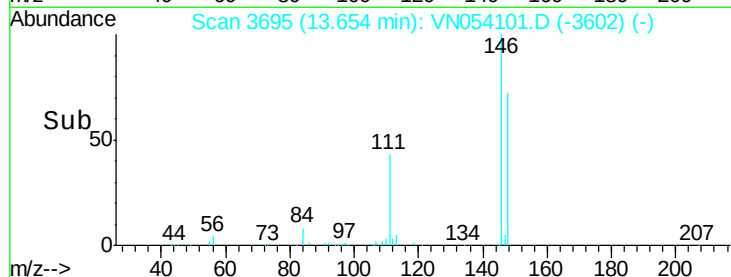
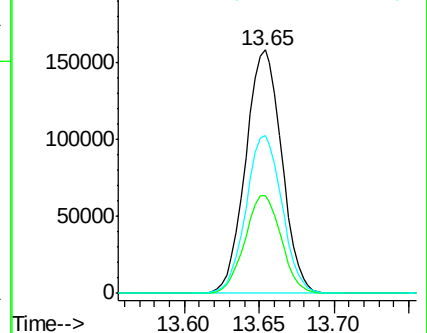
148 64.5 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.274 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

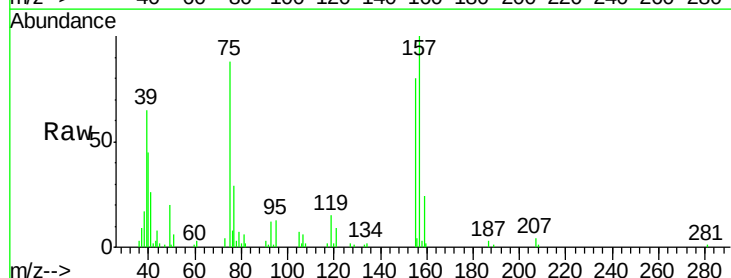
Tgt Ion: 75 Resp: 22016

Ion Ratio Lower Upper

75 100

155 93.6 49.5 148.5

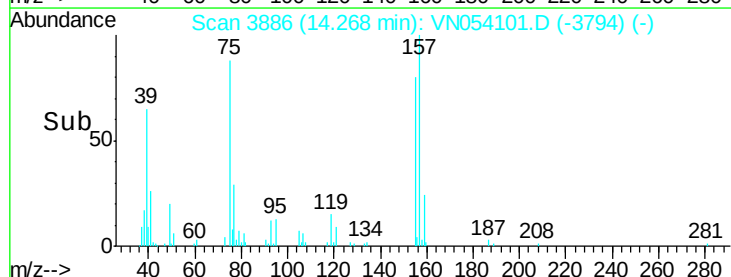
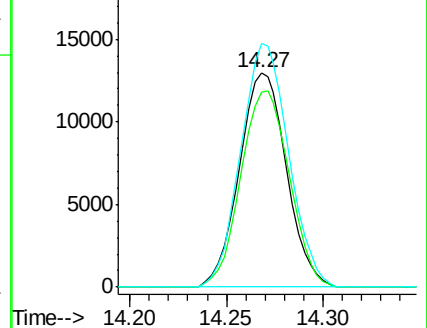
157 115.0 64.8 194.6

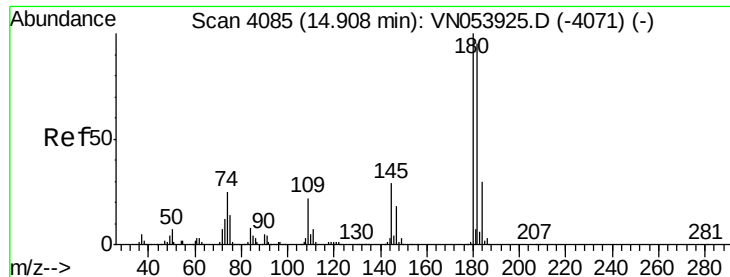


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 17.637 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

VN0305WBSD01

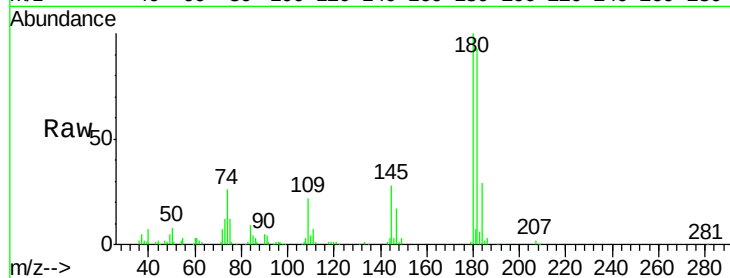
Tot Ion:180 Resp: 117048

Ion Ratio Lower Upper

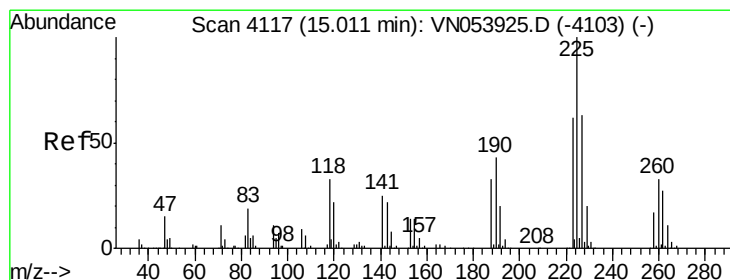
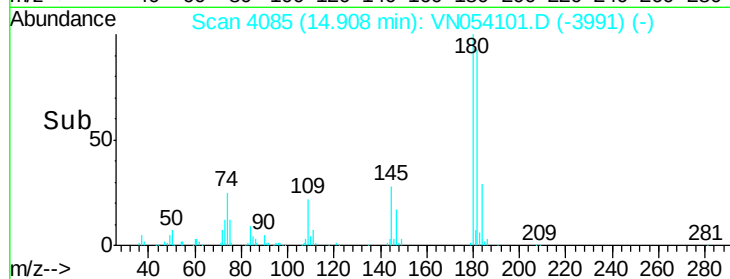
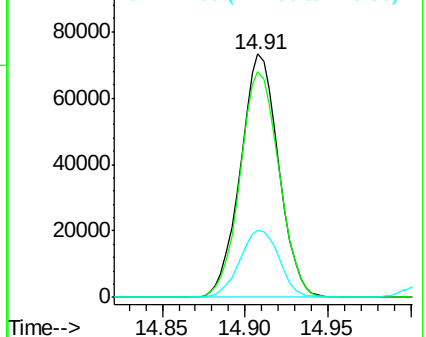
180 100

182 94.7 48.6 145.9

145 28.5 13.8 41.3



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



#94

Hexachlorobutadiene

Concen: 17.992 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

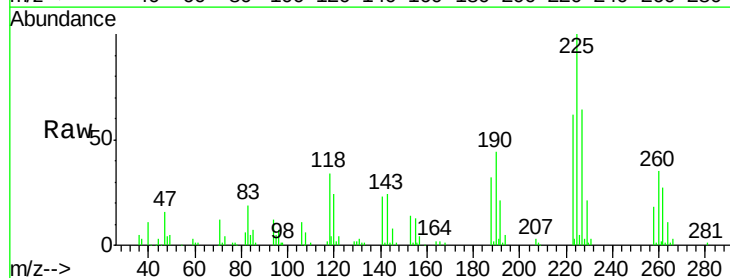
Tgt Ion:225 Resp: 84909

Ion Ratio Lower Upper

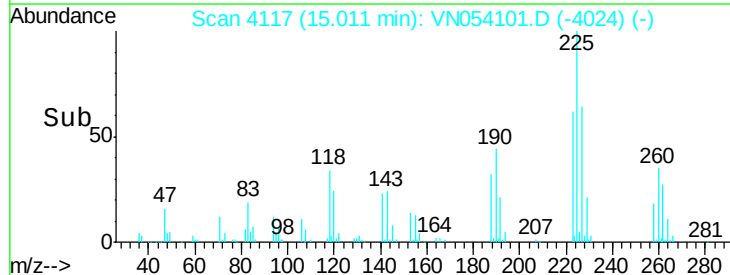
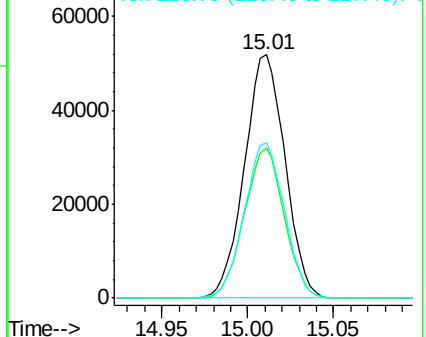
225 100

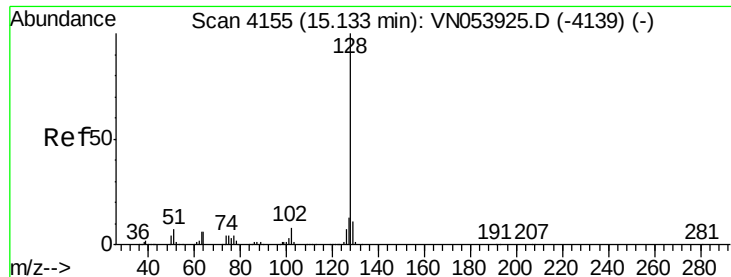
223 60.4 30.9 92.5

227 63.1 32.5 97.4



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





#95

Naphthalene

Concen: 17.222 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

VN0305WBSD01

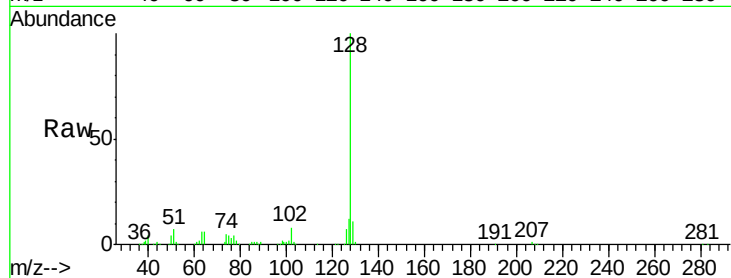
Tot Ion:128 Resp: 234002

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

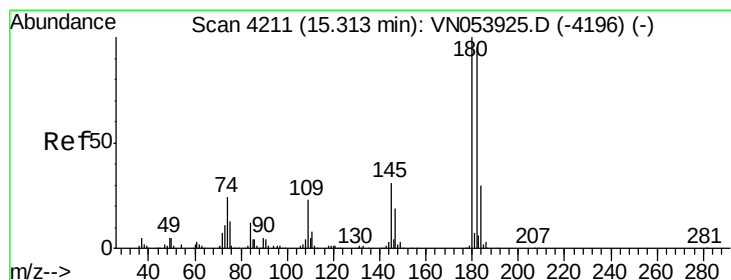
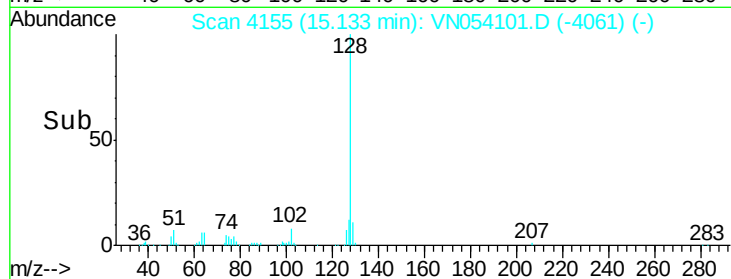
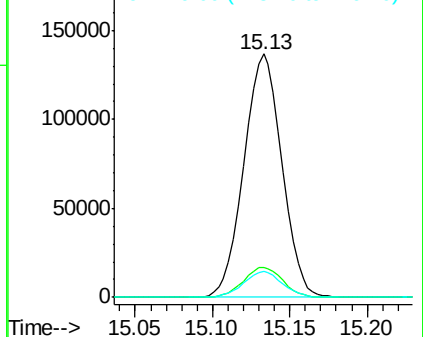
129 10.8 8.6 12.8



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: 17.711 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054101.D

Acq: 5 Mar 2019 16:08

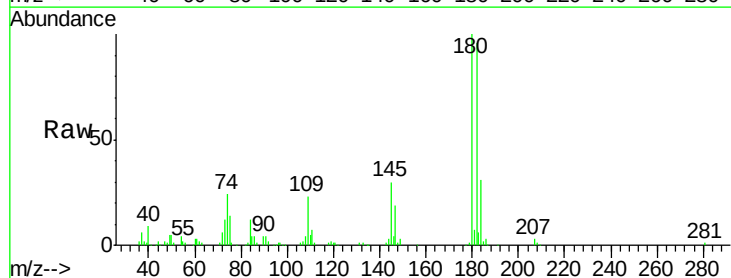
Tgt Ion:180 Resp: 116035

Ion Ratio Lower Upper

180 100

182 97.7 47.3 141.8

145 30.9 14.4 43.0



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

