

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN040419\
 Data File : VN054949.D
 Acq On : 4 Apr 2019 15:59
 Operator : JC/SP
 Sample : VN0404WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBSD01

Quant Time: Apr 05 03:17:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N040419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 02:23:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	416896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	703058	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	600413	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	258377	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	287958	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
35) Dibromofluoromethane	7.59	113	227728	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
50) Toluene-d8	10.09	98	851051	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
62) 4-Bromofluorobenzene	12.40	95	274177	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	108595	21.784	ug/l	100
3) Chloromethane	2.06	50	134565	20.416	ug/l	99
4) Vinyl Chloride	2.19	62	119320	20.720	ug/l	100
5) Bromomethane	2.58	94	66350	20.184	ug/l	98
6) Chloroethane	2.71	64	64839	20.187	ug/l	99
7) Trichlorofluoromethane	3.02	101	145740	20.843	ug/l	96
8) Diethyl Ether	3.41	74	47099	21.150	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	76173	20.562	ug/l	99
10) Methyl Iodide	3.95	142	102154	19.563	ug/l	100
11) Tert butyl alcohol	4.83	59	30908	108.966	ug/l	97
12) 1,1-Dichloroethene	3.73	96	75349	20.504	ug/l	99
13) Acrolein	3.61	56	45285	107.766	ug/l	99
14) Allyl chloride	4.32	41	171937	21.081	ug/l	99
15) Acrylonitrile	5.00	53	181785	106.873	ug/l	99
16) Acetone	3.82	43	139521	87.320	ug/l	99
17) Carbon Disulfide	4.04	76	236655	20.231	ug/l	99
18) Methyl Acetate	4.33	43	83011	22.330	ug/l	98
19) Methyl tert-butyl Ether	5.06	73	251367	21.089	ug/l	97
20) Methylene Chloride	4.55	84	103566	20.301	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	94174	20.519	ug/l	97
22) Diisopropyl ether	5.96	45	352346	21.035	ug/l	97
23) Vinyl Acetate	5.90	43	1251430	107.366	ug/l	100
24) 1,1-Dichloroethane	5.85	63	191699	20.986	ug/l	99
25) 2-Butanone	6.85	43	221406	107.272	ug/l	98
26) 2,2-Dichloropropane	6.82	77	128252	20.028	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	107363	20.622	ug/l	99
28) Bromochloromethane	7.19	49	89107	20.823	ug/l	100
29) Tetrahydrofuran	7.22	42	149993	110.873	ug/l	100
30) Chloroform	7.37	83	181232	20.935	ug/l	99
31) Cyclohexane	7.65	56	188019	20.809	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	151680	20.763	ug/l	97
36) 1,1-Dichloropropene	7.79	75	134234	19.269	ug/l	99
37) Ethyl Acetate	6.94	43	102519	21.445	ug/l	99
38) Carbon Tetrachloride	7.77	117	127121	18.896	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 02:23:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	153574	20.039	ug/l	96
40) Benzene	8.04	78	401099	20.010	ug/l	99
41) Methacrylonitrile	7.18	41	59093	21.618	ug/l	95
42) 1,2-Dichloroethane	8.13	62	143399	20.358	ug/l	98
43) Isopropyl Acetate	8.17	43	168092	20.863	ug/l	99
44) Trichloroethene	8.83	130	105140	20.514	ug/l	97
45) 1,2-Dichloropropane	9.12	63	113648	20.348	ug/l	100
46) Dibromomethane	9.21	93	63690	20.109	ug/l	97
47) Bromodichloromethane	9.40	83	133525	20.072	ug/l	99
48) Methyl methacrylate	9.20	41	82711	20.279	ug/l	98
49) 1,4-Dioxane	9.20	88	17380	422.180	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	474930	105.665	ug/l	99
52) Toluene	10.16	92	240142	20.325	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	121356	18.952	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	153771	20.538	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	88622	20.688	ug/l	99
56) Ethyl methacrylate	10.43	69	111272	19.867	ug/l	97
57) 1,3-Dichloropropane	10.71	76	155925	20.842	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	223672	96.213	ug/l	99
59) 2-Hexanone	10.75	43	292562	104.210	ug/l	100
60) Dibromochloromethane	10.90	129	90551	20.180	ug/l	99
61) 1,2-Dibromoethane	11.00	107	84887	21.075	ug/l	97
64) Tetrachloroethene	10.63	164	98486	20.338	ug/l	98
65) Chlorobenzene	11.43	112	254071	20.760	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	95020	21.206	ug/l	98
67) Ethyl Benzene	11.51	91	450396	20.411	ug/l	99
68) m/p-Xylenes	11.62	106	334015	41.408	ug/l	100
69) o-Xylene	11.95	106	163543	20.786	ug/l	100
70) Styrene	11.96	104	265563	21.042	ug/l	100
71) Bromoform	12.13	173	53333	19.802	ug/l #	98
73) Isopropylbenzene	12.25	105	431213	19.757	ug/l	99
74) N-amyl acetate	12.07	43	129173	21.292	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	106650	20.903	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	123708	29.597	ug/l #	100
77) Bromobenzene	12.53	156	104718	19.811	ug/l	98
78) n-propylbenzene	12.59	91	479918	19.958	ug/l	100
79) 2-Chlorotoluene	12.67	91	292809	19.648	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	360360	20.104	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21946	19.620	ug/l	98
82) 4-Chlorotoluene	12.77	91	286330	20.313	ug/l	98
83) tert-Butylbenzene	12.99	119	299141	19.618	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	348674	20.105	ug/l	99
85) sec-Butylbenzene	13.17	105	393567	19.955	ug/l	100
86) p-Isopropyltoluene	13.29	119	343490	20.213	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	176027	20.020	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	169859	20.293	ug/l	99
89) n-Butylbenzene	13.61	91	266498	19.623	ug/l	99
90) Hexachloroethane	13.87	117	56103	19.654	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	172451	19.976	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15143	20.269	ug/l	97

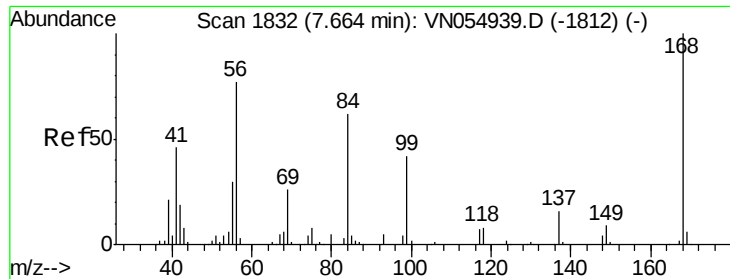
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN040419\
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QLast Update : Fri Apr 05 02:23:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	80229	19.373	ug/l	97
94) Hexachlorobutadiene	15.01	225	55245	19.129	ug/l	97
95) Naphthalene	15.13	128	166686	18.934	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	78320	19.756	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

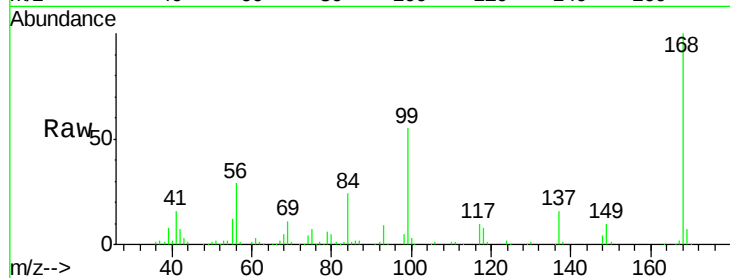
VN0404WBSD01

Tgt Ion:168 Resp: 416896

Ion Ratio Lower Upper

168 100

99 53.7 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

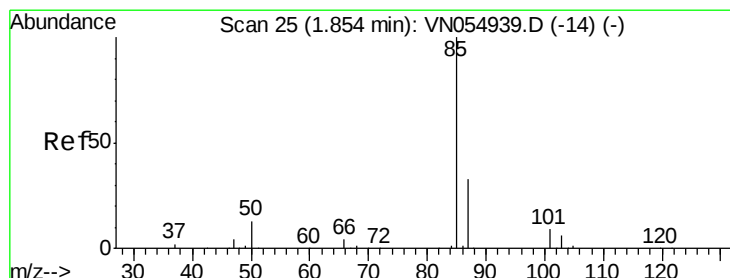
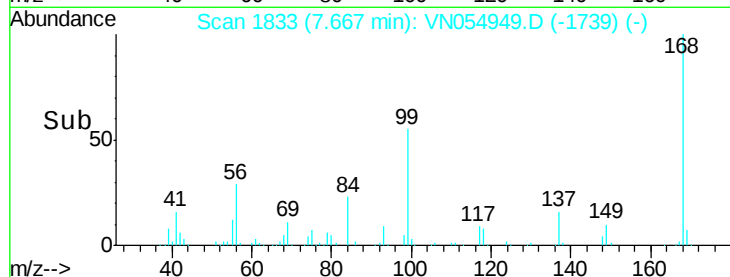
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.784 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054949.D

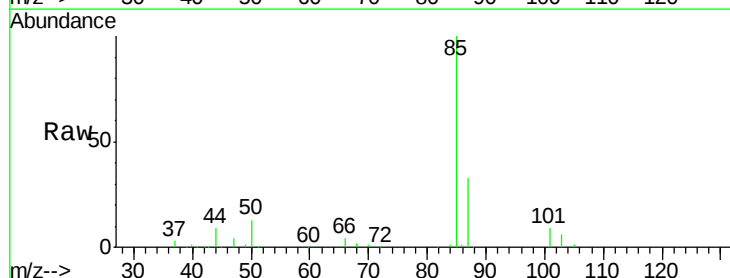
Acq: 4 Apr 2019 15:59

Tgt Ion: 85 Resp: 108595

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

80000

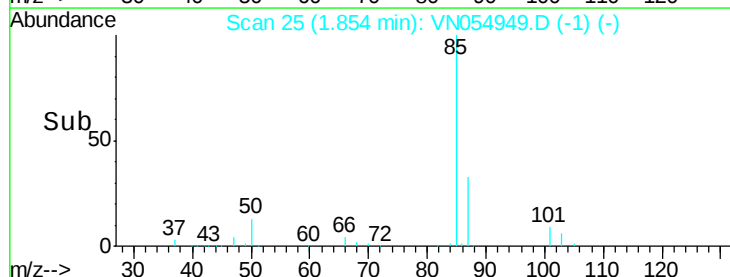
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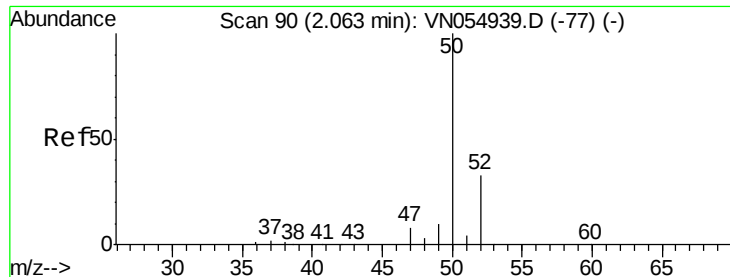
40000

20000

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Time-->





#3

Chloromethane

Concen: 20.416 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

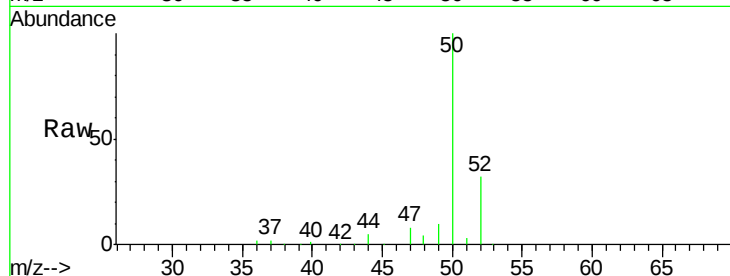
VN0404WBSD01

Tgt Ion: 50 Resp: 134565

Ion Ratio Lower Upper

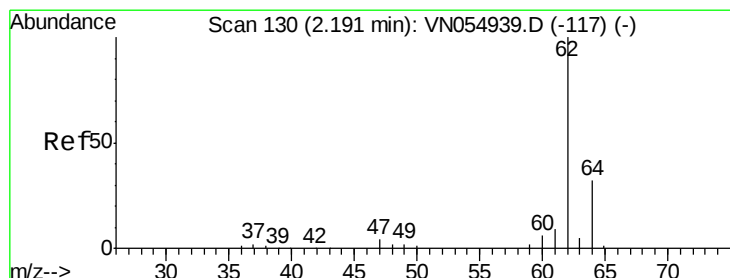
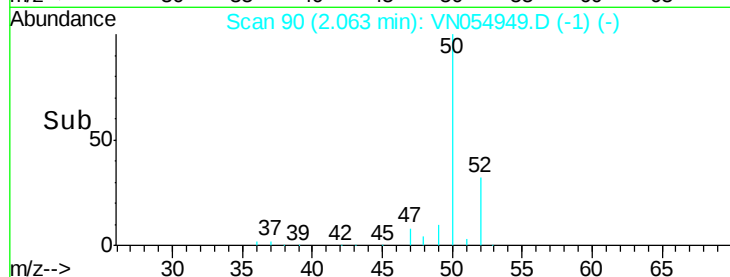
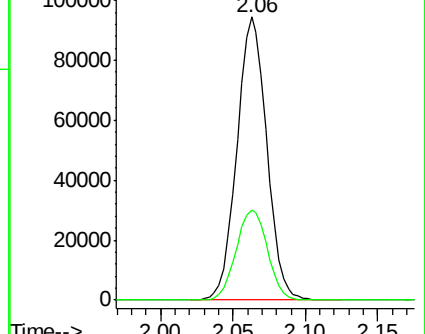
50 100

52 32.0 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 20.720 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054949.D

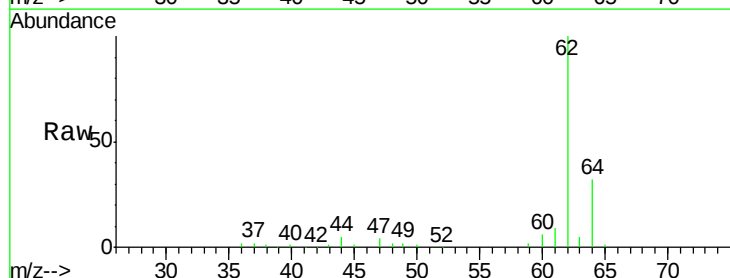
Acq: 4 Apr 2019 15:59

Tgt Ion: 62 Resp: 119320

Ion Ratio Lower Upper

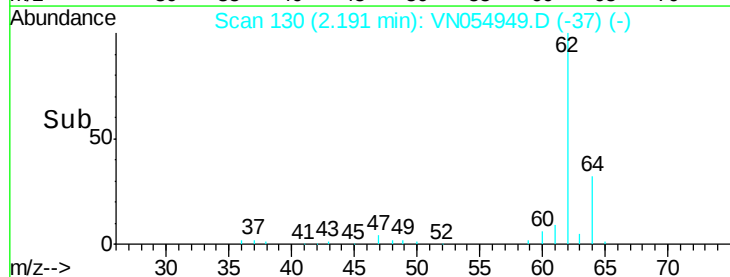
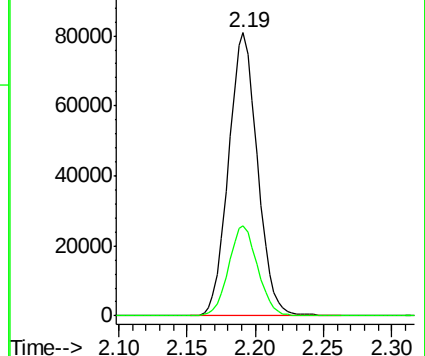
62 100

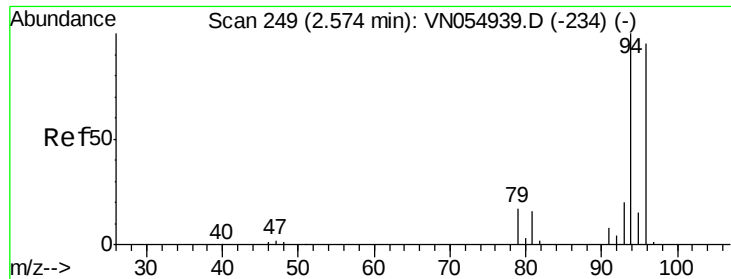
64 32.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 20.184 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

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ClientSampleId :

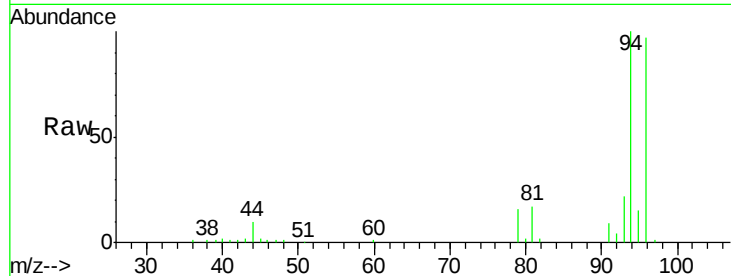
VN0404WBSD01

Tgt Ion: 94 Resp: 66350

Ion Ratio Lower Upper

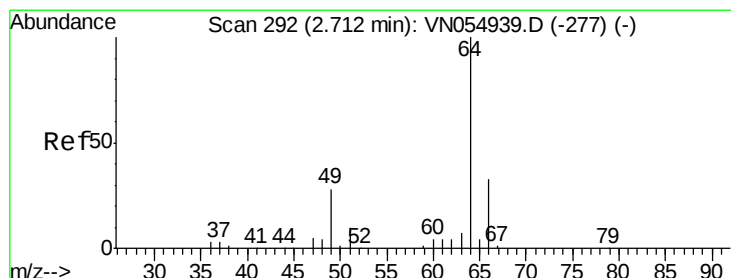
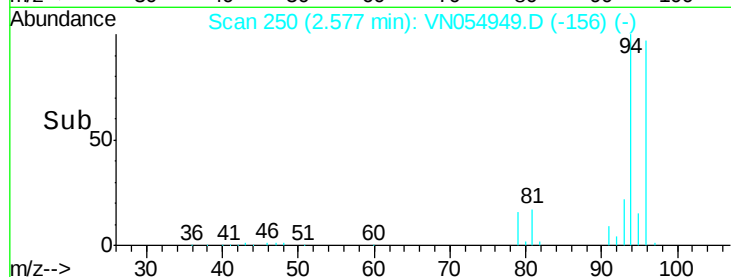
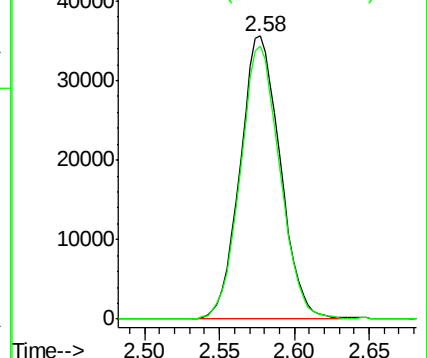
94 100

96 96.6 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.187 ug/l

RT: 2.71 min Scan# 292

Delta R.T. -0.00 min

Lab File: VN054949.D

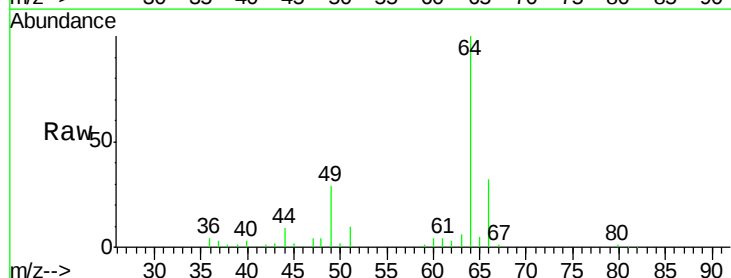
Acq: 4 Apr 2019 15:59

Tgt Ion: 64 Resp: 64839

Ion Ratio Lower Upper

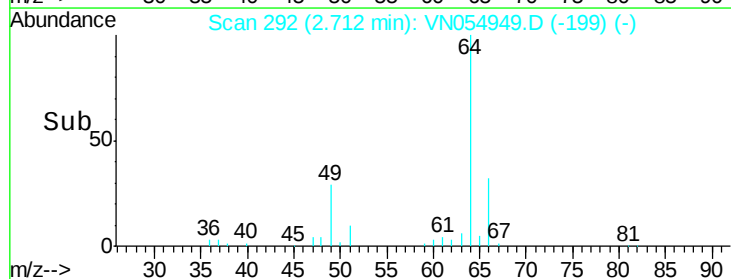
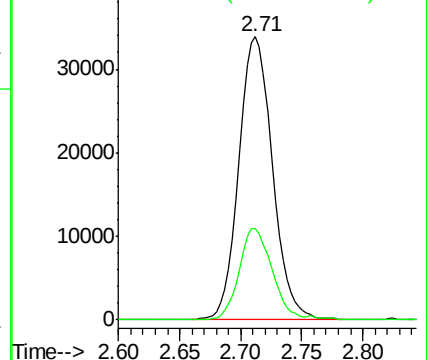
64 100

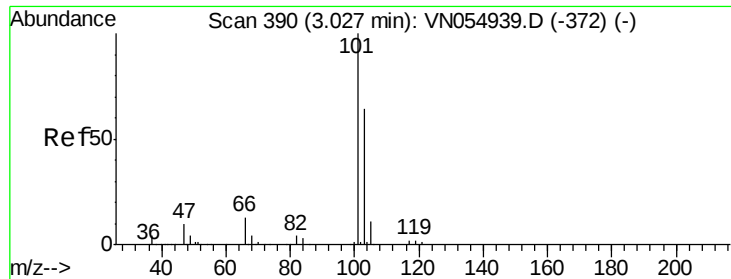
66 32.4 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



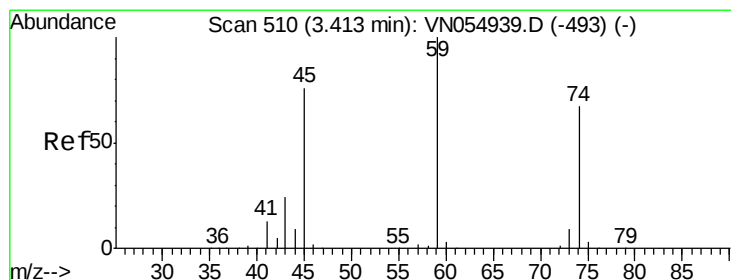
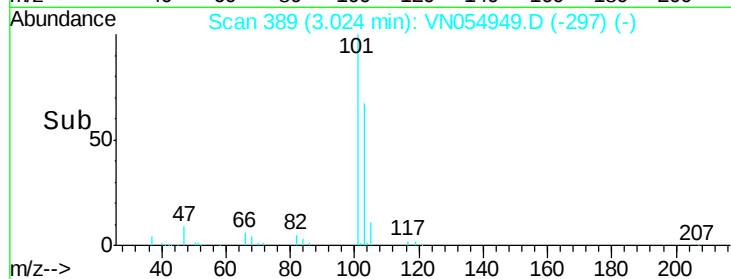
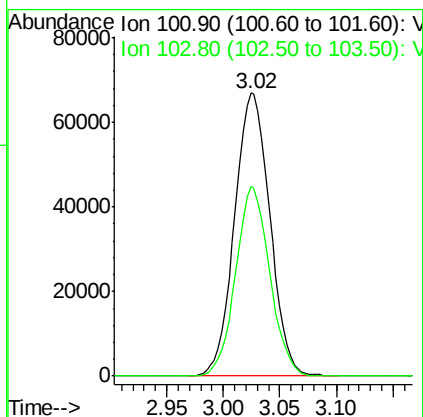
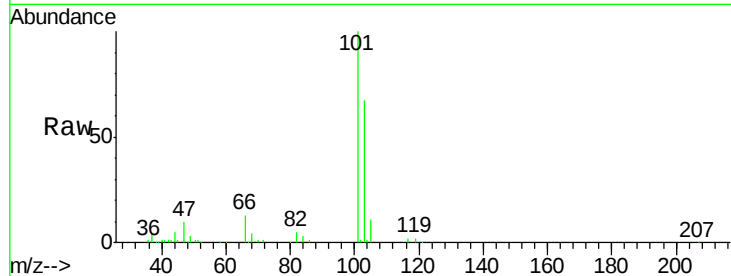


#7

Trichlorofluoromethane
 Concen: 20.843 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Instrument :
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 VN0404WBSD01

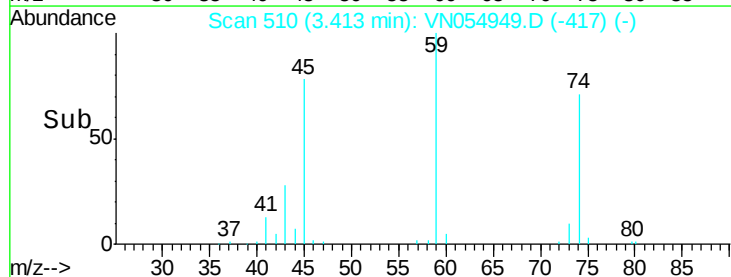
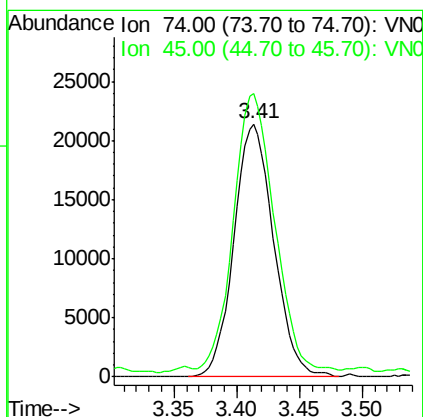
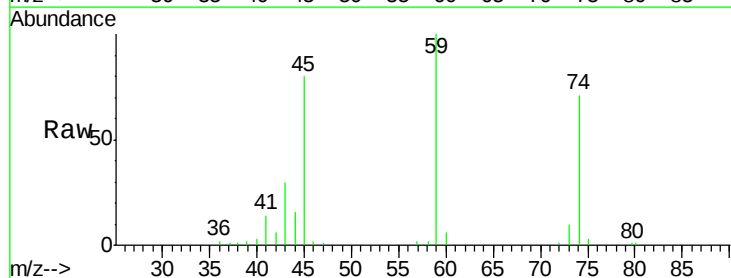
Tgt Ion:101 Resp: 145740
 Ion Ratio Lower Upper
 101 100
 103 67.3 51.3 76.9

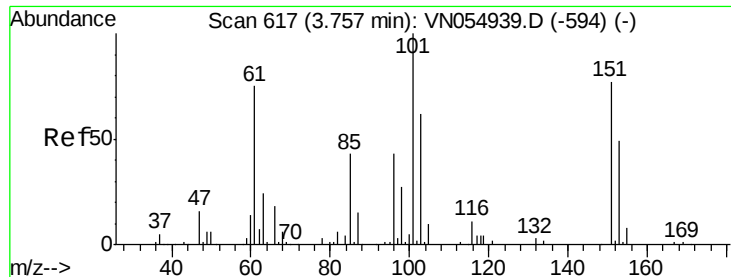


#8

Diethyl Ether
 Concen: 21.150 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Tgt Ion: 74 Resp: 47099
 Ion Ratio Lower Upper
 74 100
 45 111.9 56.3 168.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.562 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBSD01

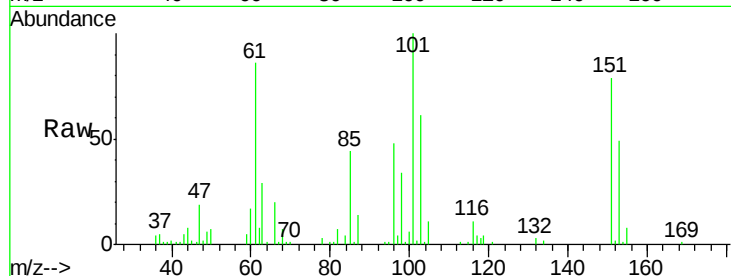
Tgt Ion:101 Resp: 76173

Ion Ratio Lower Upper

101 100

85 45.6 36.2 54.2

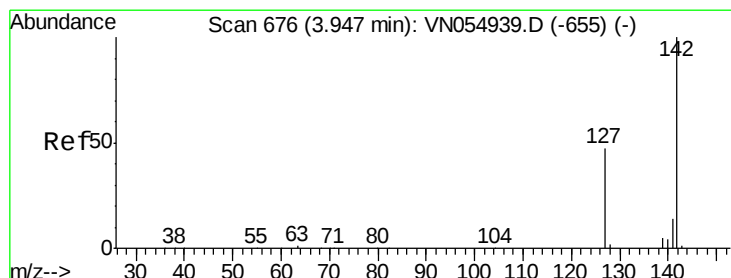
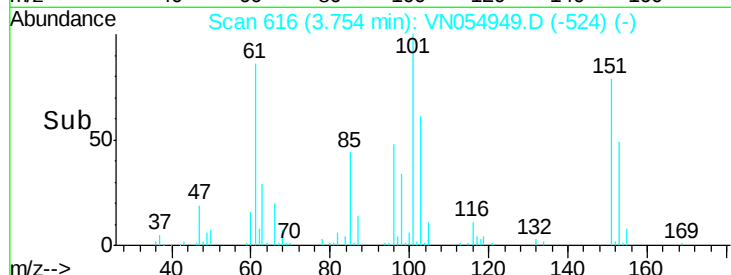
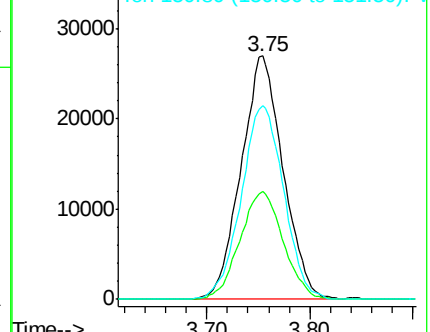
151 80.6 63.4 95.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN054949.D (-524) (-)

Ion 150.80 (150.50 to 151.50): VN054949.D (-524) (-)



#10

Methyl Iodide

Concen: 19.563 ug/l

RT: 3.95 min Scan# 676

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

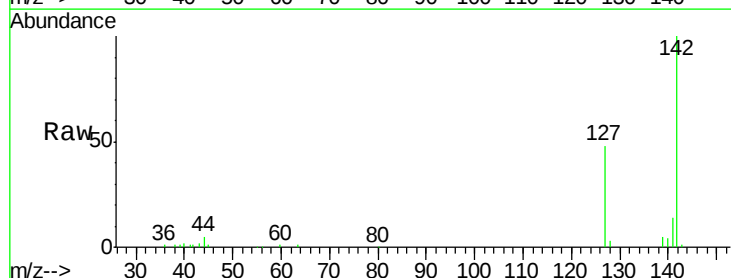
Tgt Ion:142 Resp: 102154

Ion Ratio Lower Upper

142 100

127 47.5 38.0 57.0

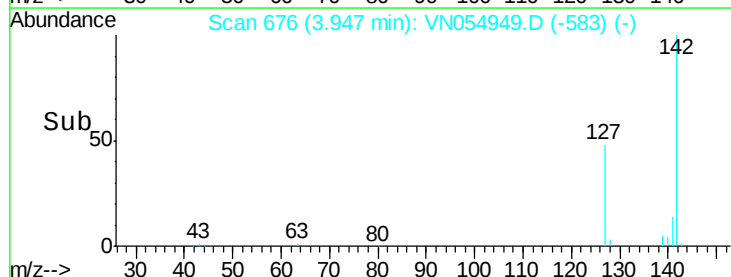
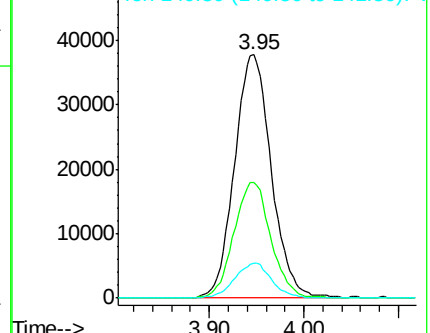
141 14.3 11.7 17.5

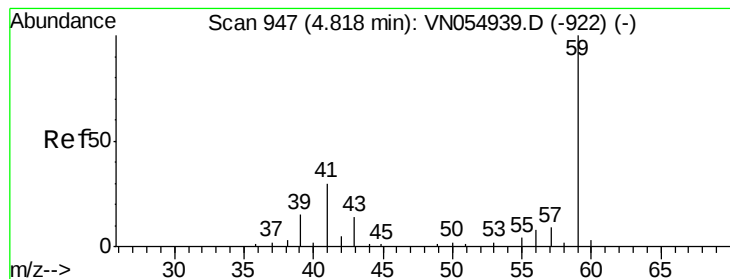


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): VN054949.D (-583) (-)

Ion 140.80 (140.50 to 141.50): VN054949.D (-583) (-)





#11

Tert butyl alcohol

Concen: 108.966 ug/l

RT: 4.83 min Scan# 950

Delta R.T. 0.01 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

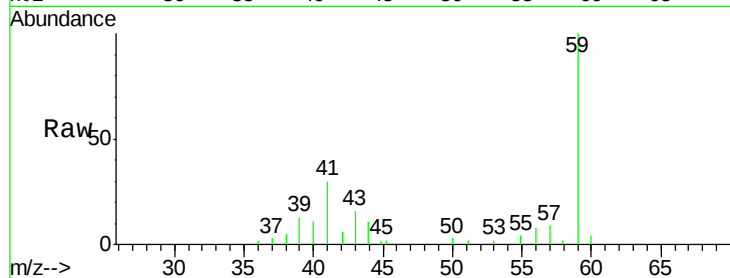
VN0404WBSD01

Tgt Ion: 59 Resp: 30908

Ion Ratio Lower Upper

59 100

57 7.2 5.0 7.4



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.83

10000

8000

6000

4000

2000

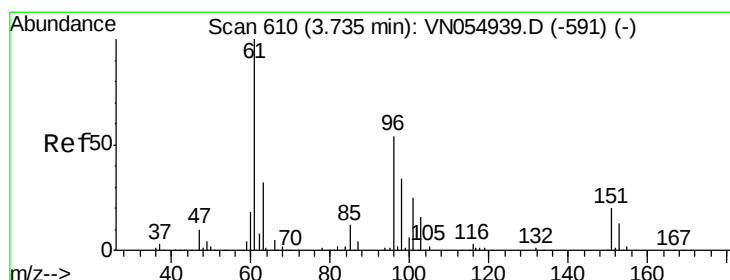
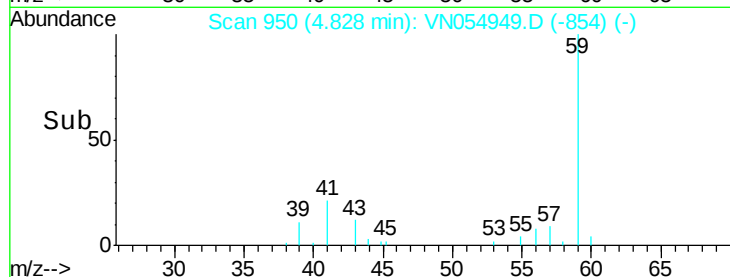
0

Time-->

4.70

4.80

4.90



#12

1,1-Dichloroethene

Concen: 20.504 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

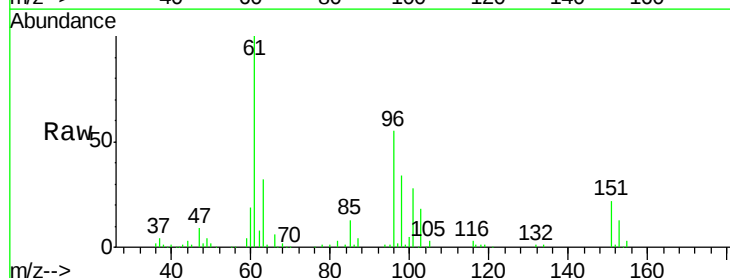
Tgt Ion: 96 Resp: 75349

Ion Ratio Lower Upper

96 100

61 183.2 148.2 222.2

98 62.7 50.2 75.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

3.73

60000

40000

20000

0

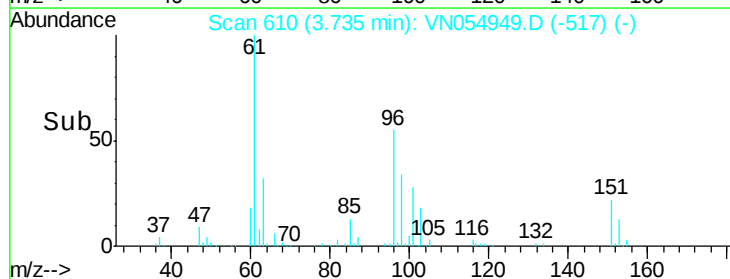
Time-->

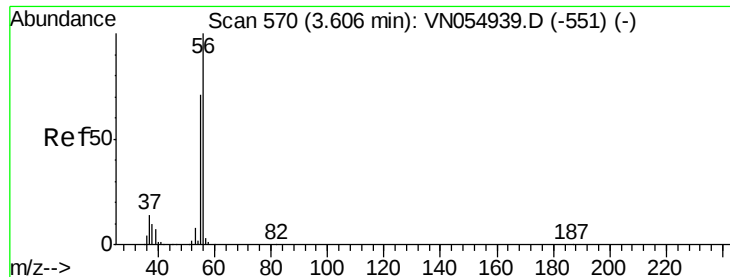
3.65

3.70

3.75

3.80





#13

Acrolein

Concen: 107.766 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

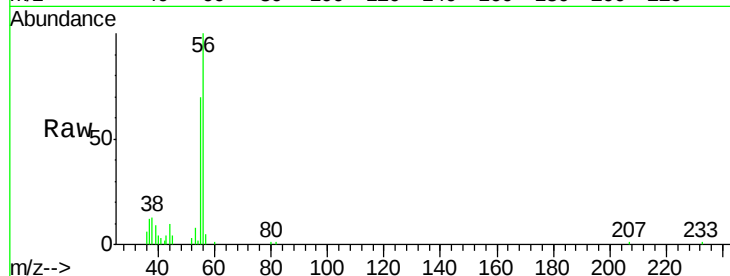
VN0404WBSD01

Tgt Ion: 56 Resp: 45285

Ion Ratio Lower Upper

56 100

55 73.9 58.6 87.8



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

20000

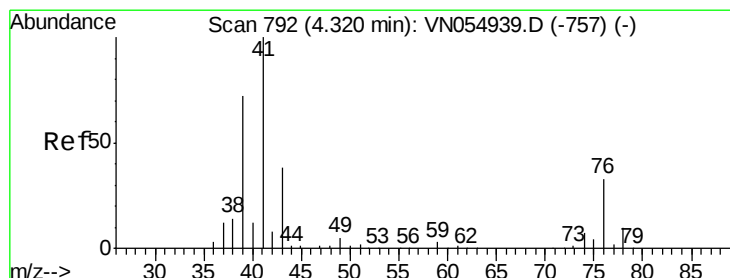
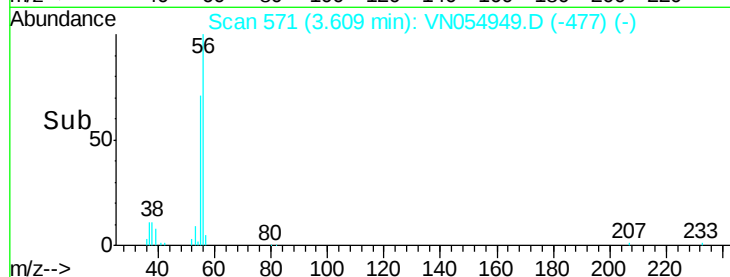
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 21.081 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

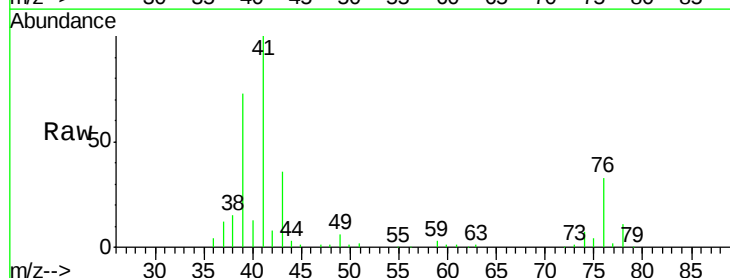
Tgt Ion: 41 Resp: 171937

Ion Ratio Lower Upper

41 100

39 70.3 55.4 83.2

76 30.4 23.8 35.8



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.32

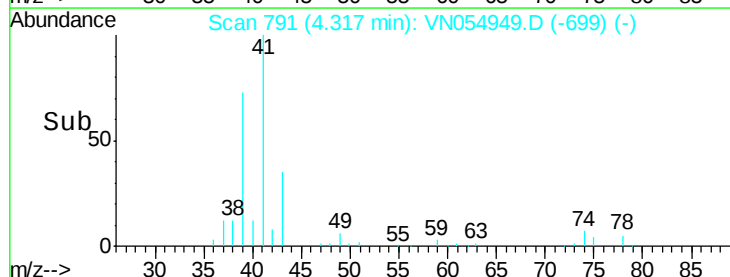
60000

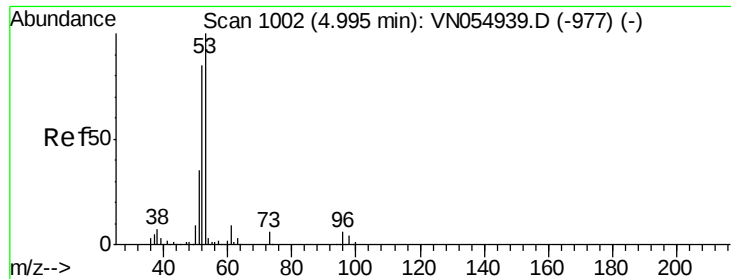
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 106.873 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBSD01

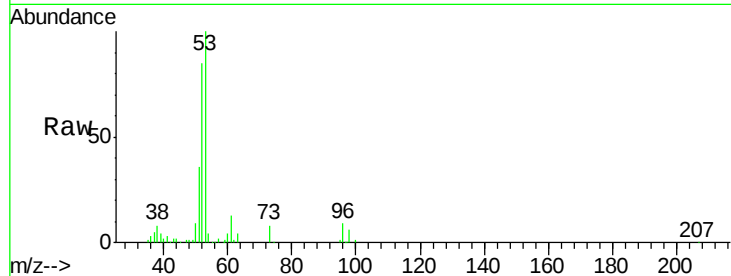
Tgt Ion: 53 Resp: 181785

Ion Ratio Lower Upper

53 100

52 82.1 66.4 99.6

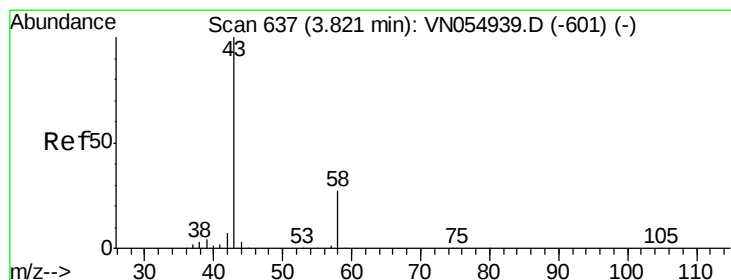
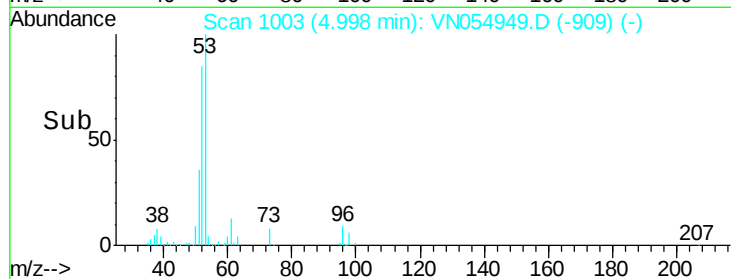
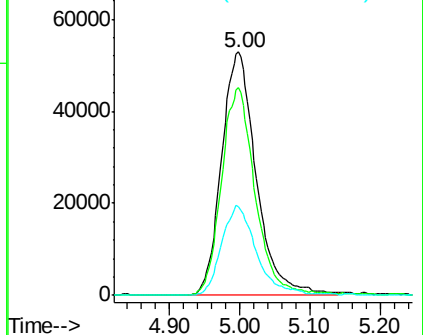
51 36.9 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 87.320 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054949.D

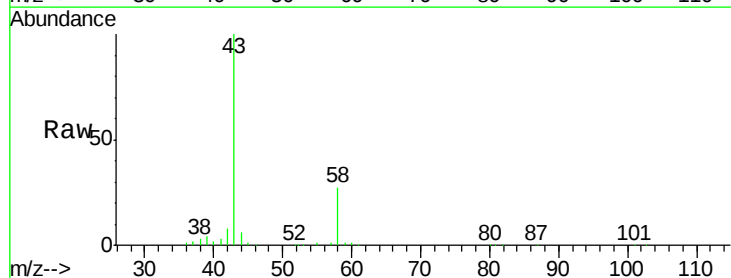
Acq: 4 Apr 2019 15:59

Tgt Ion: 43 Resp: 139521

Ion Ratio Lower Upper

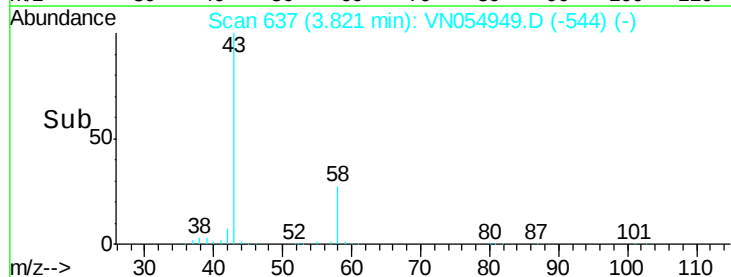
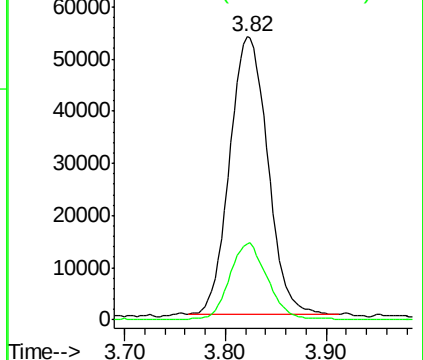
43 100

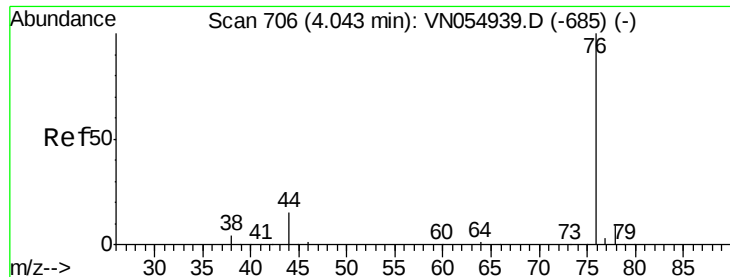
58 27.5 21.7 32.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

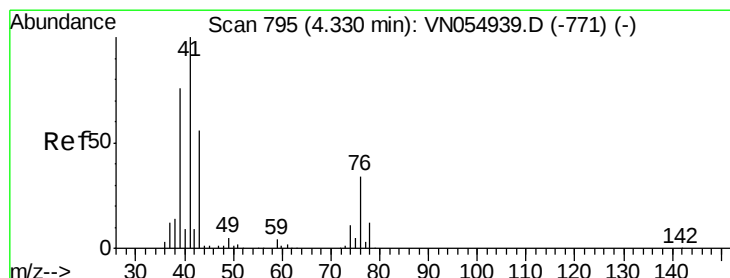
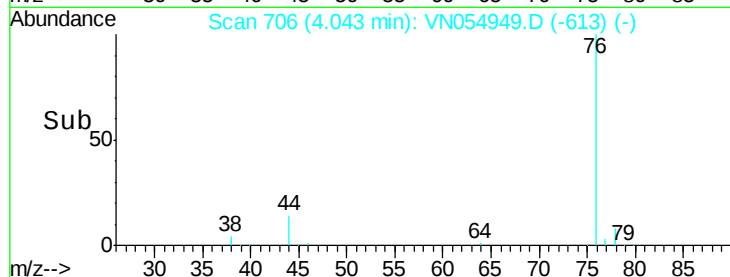
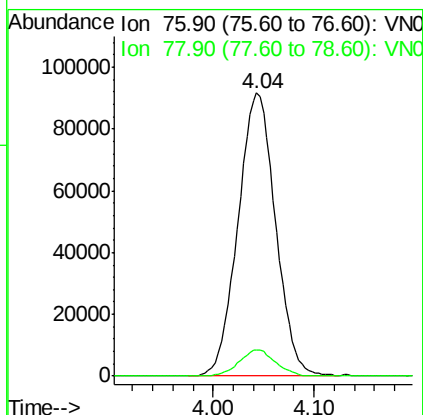
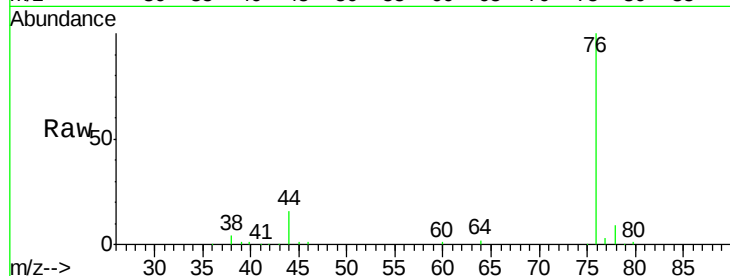




#17
Carbon Disulfide
Concen: 20.231 ug/l
RT: 4.04 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

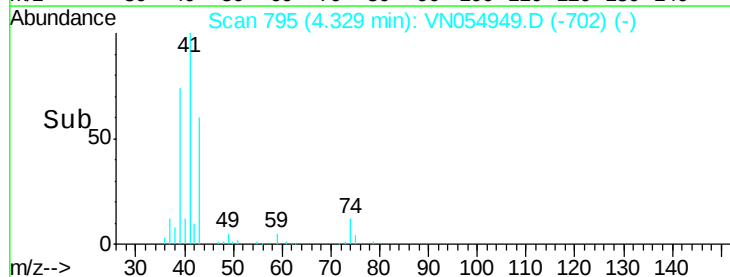
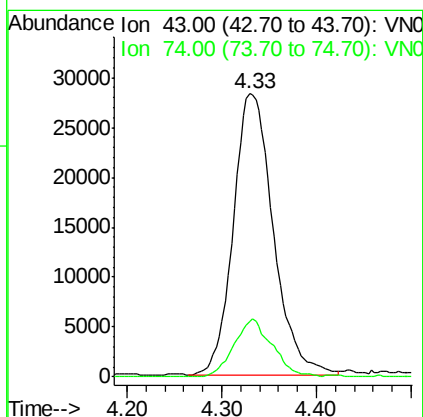
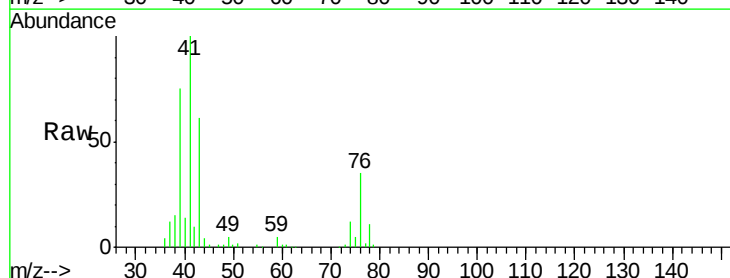
Instrument :
MSVOA_N
ClientSampleId :
VN0404WBSD01

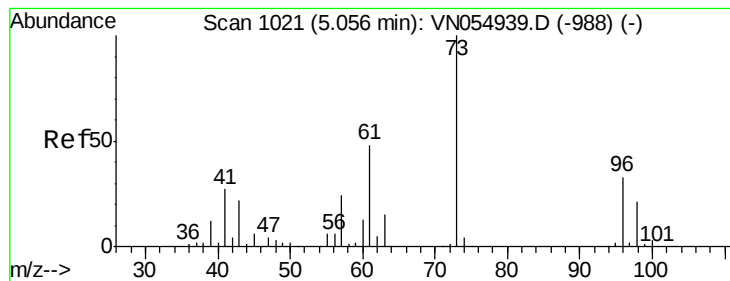
Tgt Ion: 76 Resp: 236655
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7



#18
Methyl Acetate
Concen: 22.330 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Tgt Ion: 43 Resp: 83011
Ion Ratio Lower Upper
43 100
74 19.5 16.4 24.6





#19

Methyl tert-butyl Ether

Concen: 21.089 ug/l

RT: 5.06 min Scan# 1021

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

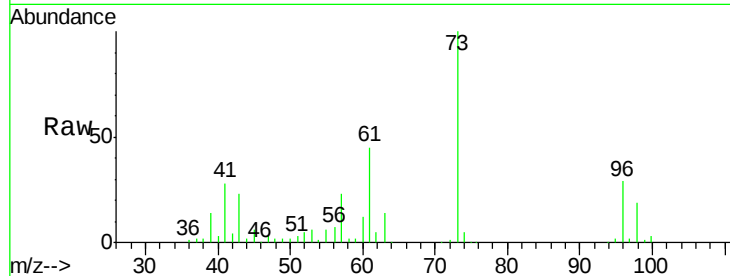
VN0404WBSD01

Tgt Ion: 73 Resp: 251367

Ion Ratio Lower Upper

73 100

57 22.9 19.5 29.3



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

5.06

80000

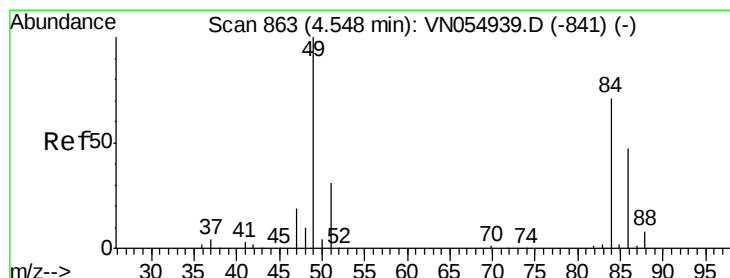
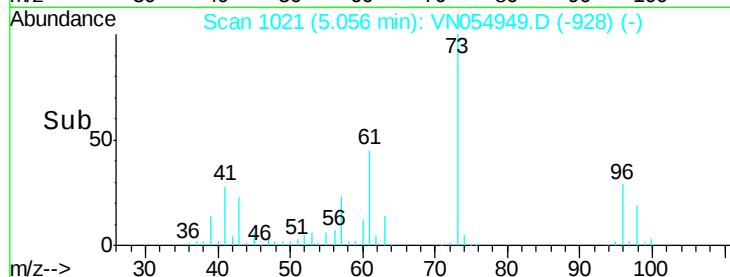
60000

40000

20000

0

Time--> 4.90 5.00 5.10 5.20



#20

Methylene Chloride

Concen: 20.301 ug/l

RT: 4.55 min Scan# 863

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Tgt Ion: 84 Resp: 103566

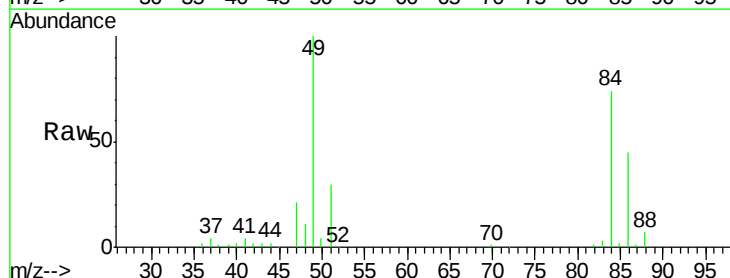
Ion Ratio Lower Upper

84 100

49 135.9 112.1 168.1

51 41.1 34.5 51.7

86 61.7 52.2 78.4



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

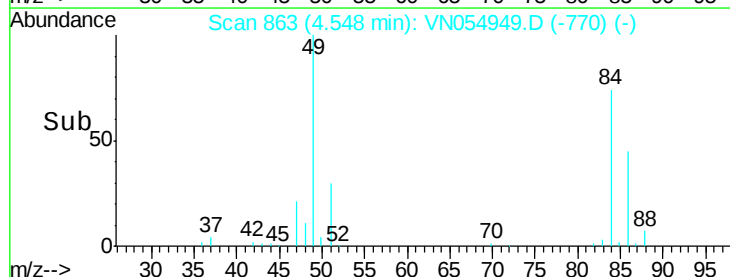
60000

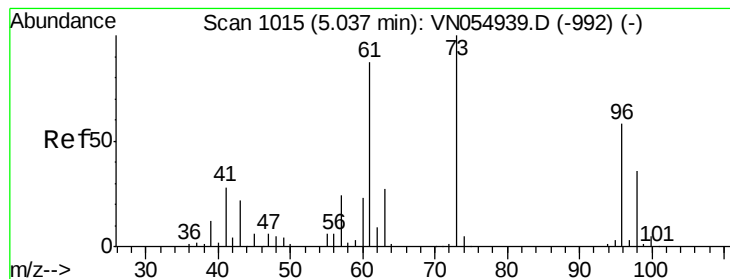
40000

20000

0

Time--> 4.40 4.50 4.60





#21

trans-1,2-Dichloroethene

Concen: 20.519 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBSD01

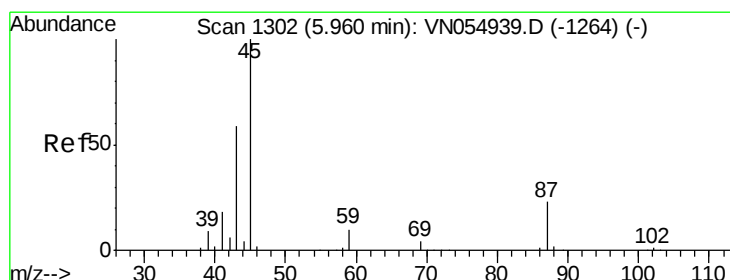
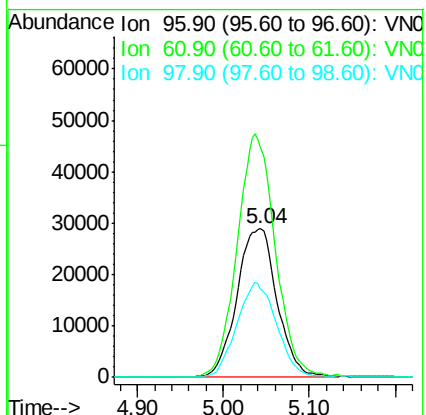
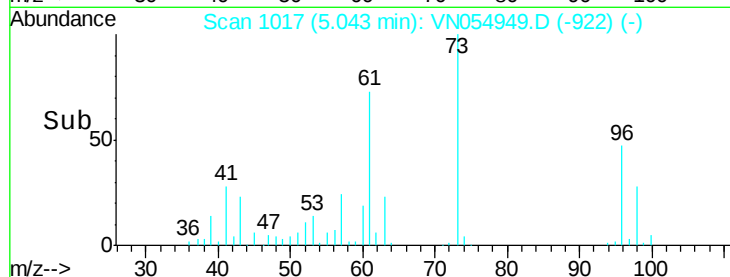
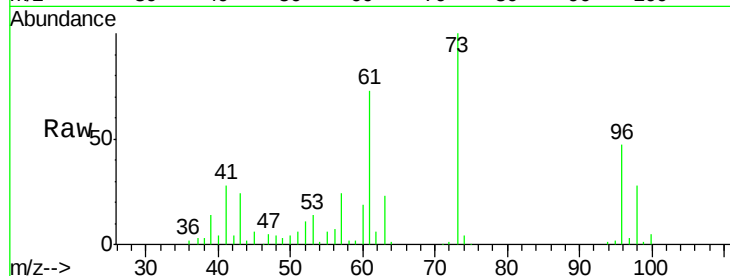
Tgt Ion: 96 Resp: 94174

Ion Ratio Lower Upper

96 100

61 155.2 120.1 180.1

98 59.8 49.3 73.9



#22

Diisopropyl ether

Concen: 21.035 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Tgt Ion: 45 Resp: 352346

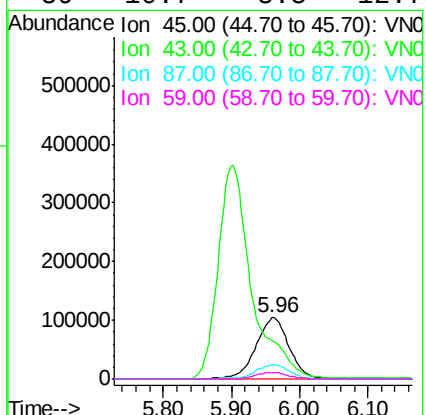
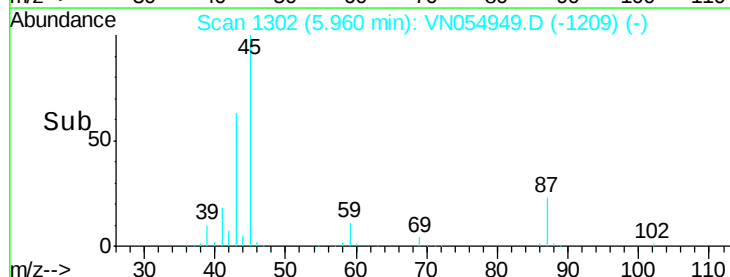
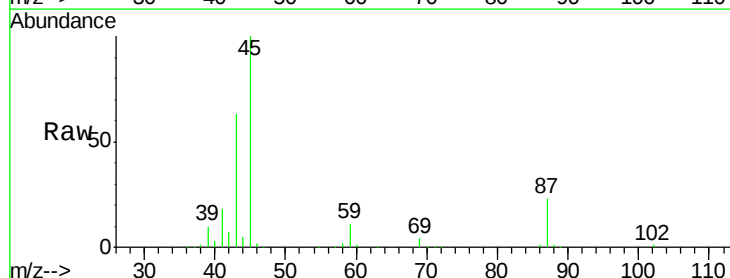
Ion Ratio Lower Upper

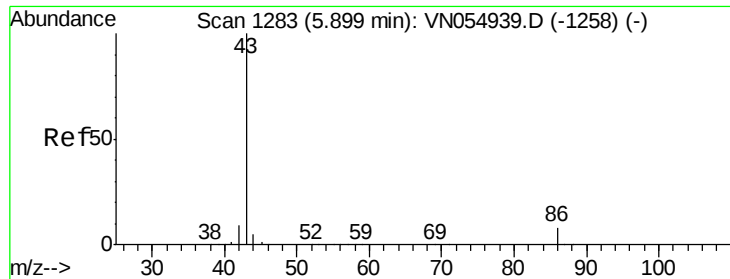
45 100

43 62.0 46.9 70.3

87 22.7 18.6 28.0

59 10.7 8.5 12.7





#23

Vinyl Acetate

Concen: 107.366 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

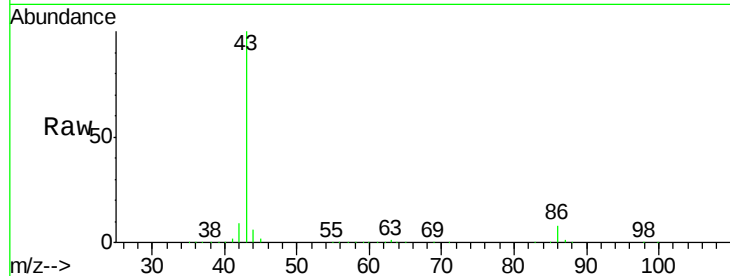
VN0404WBSD01

Tgt Ion: 43 Resp: 1251430

Ion Ratio Lower Upper

43 100

86 8.3 6.7 10.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

400000

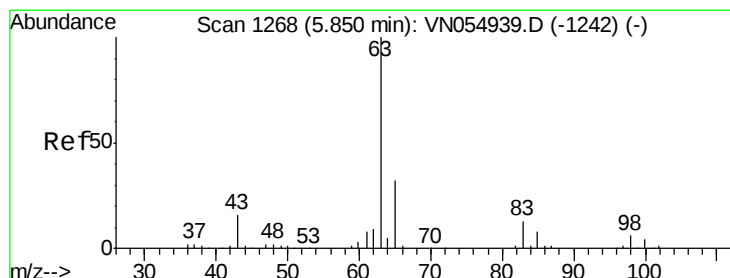
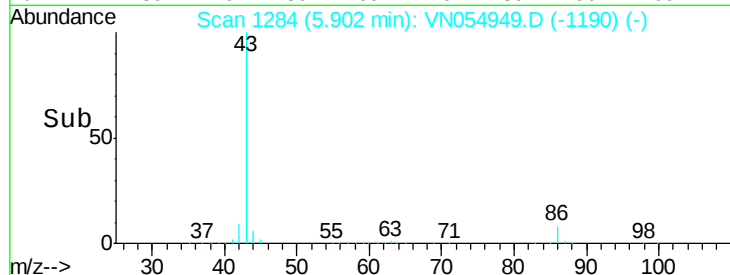
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.986 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

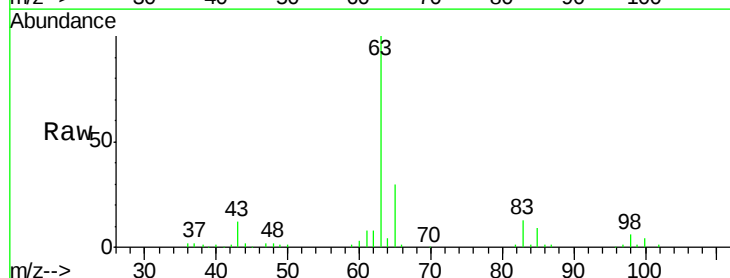
Tgt Ion: 63 Resp: 191699

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.7

100 4.1 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

80000

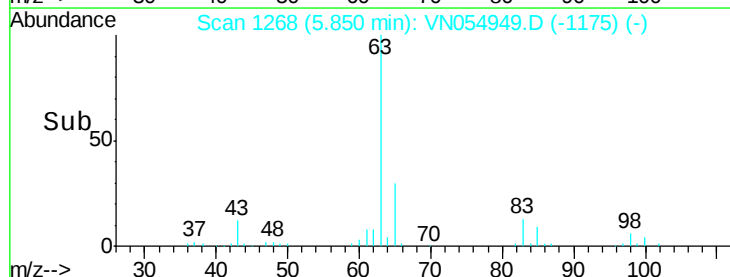
60000

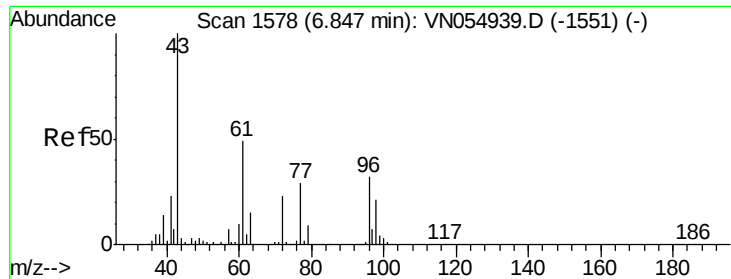
40000

20000

0

Time-->

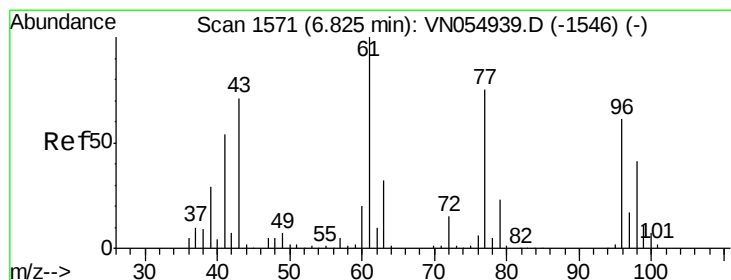
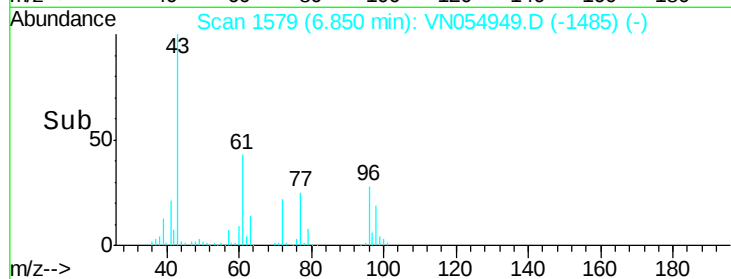
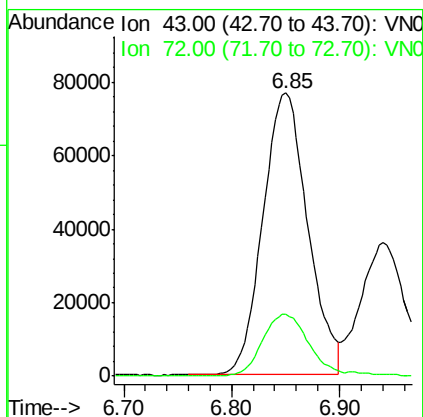
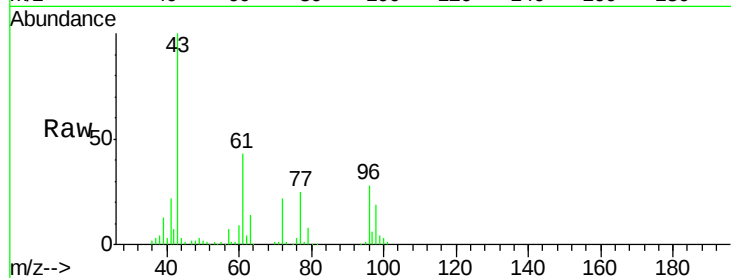




#25
2-Butanone
Concen: 107.272 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

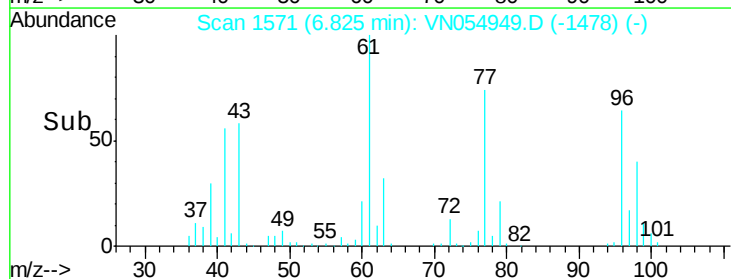
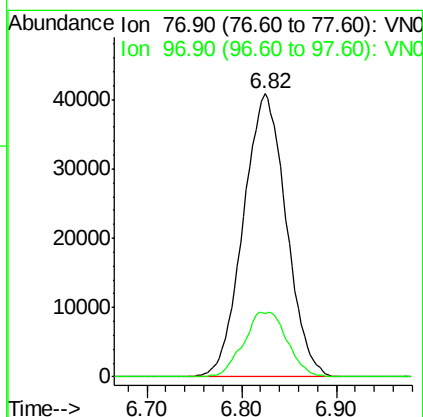
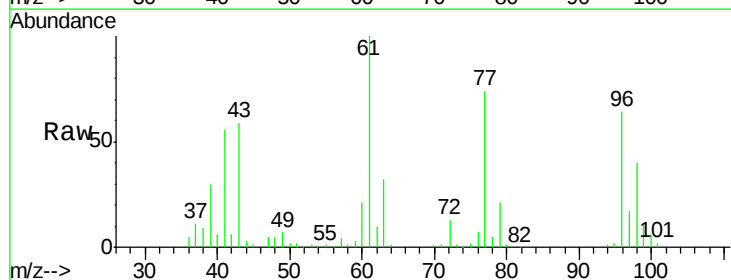
Instrument :
MSVOA_N
ClientSampleId :
VN0404WBSD01

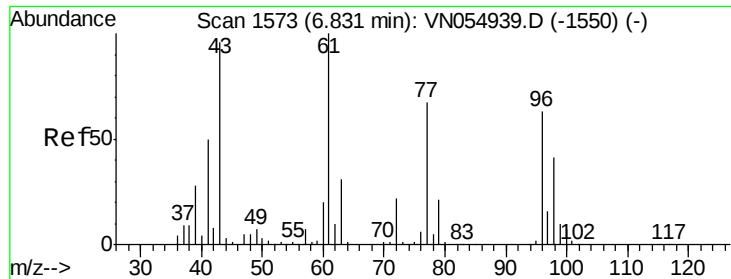
Tgt Ion: 43 Resp: 221406
Ion Ratio Lower Upper
43 100
72 21.9 18.3 27.5



#26
2,2-Dichloropropane
Concen: 20.028 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Tgt Ion: 77 Resp: 128252
Ion Ratio Lower Upper
77 100
97 23.3 11.6 34.8

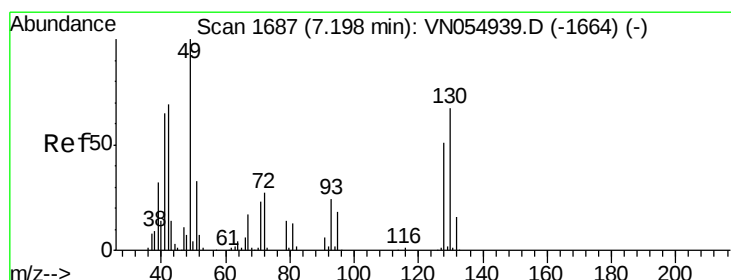
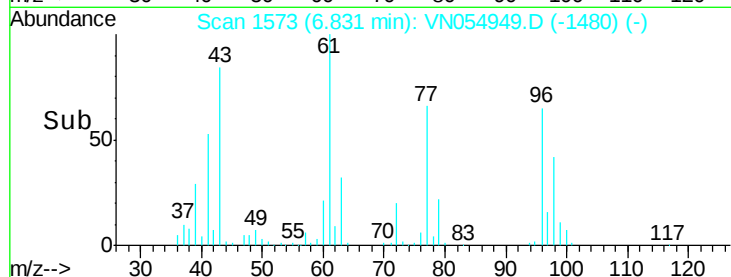
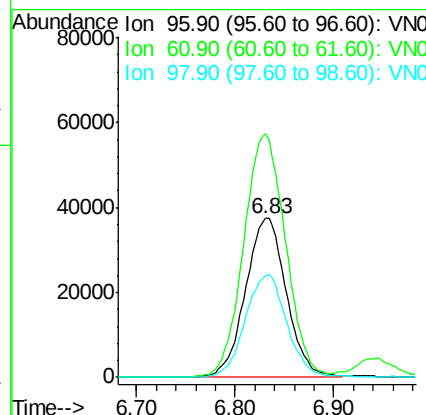
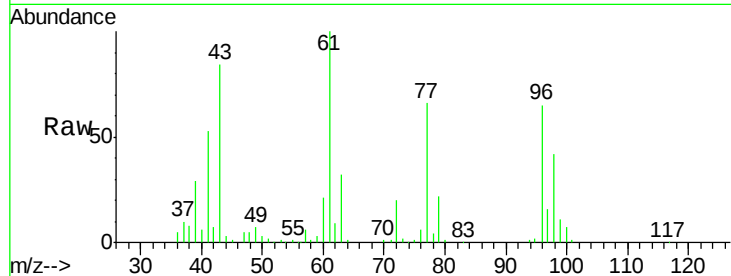




#27
 cis-1,2-Dichloroethene
 Concen: 20.622 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

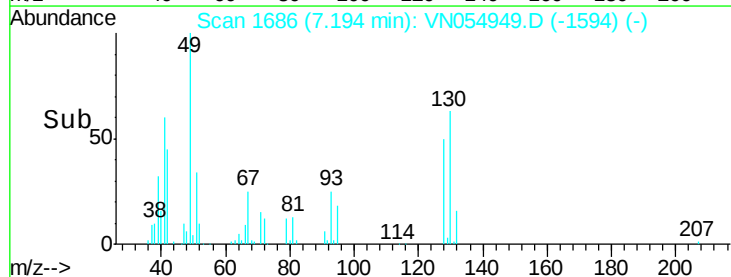
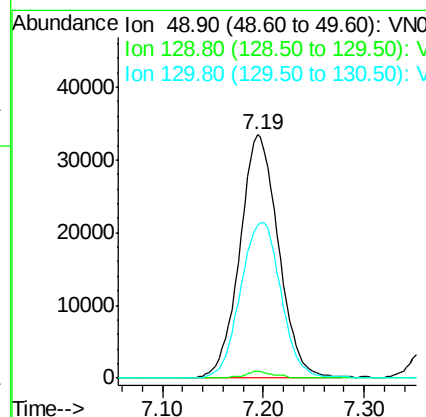
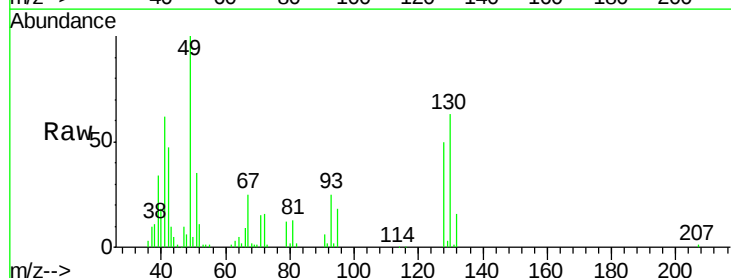
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBSD01

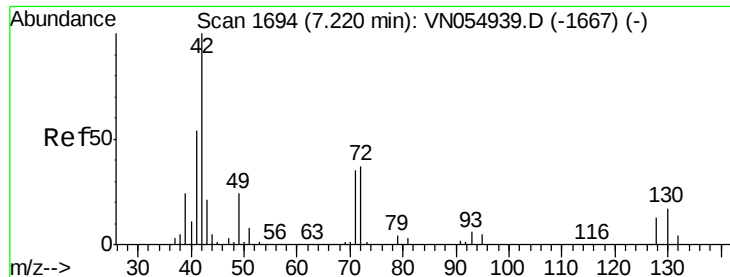
Tgt Ion: 96 Resp: 107363
 Ion Ratio Lower Upper
 96 100
 61 156.7 0.0 316.2
 98 65.4 0.0 129.6



#28
 Bromochloromethane
 Concen: 20.823 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Tgt Ion: 49 Resp: 89107
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 3.8
 130 66.6 53.1 79.7

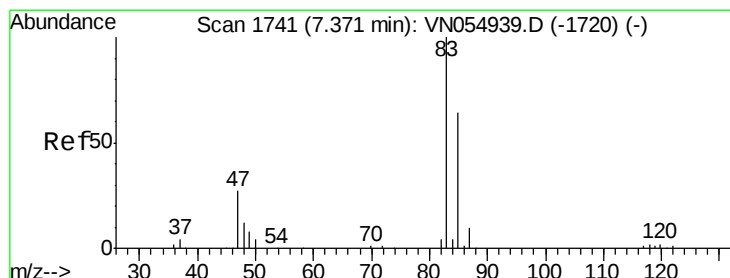
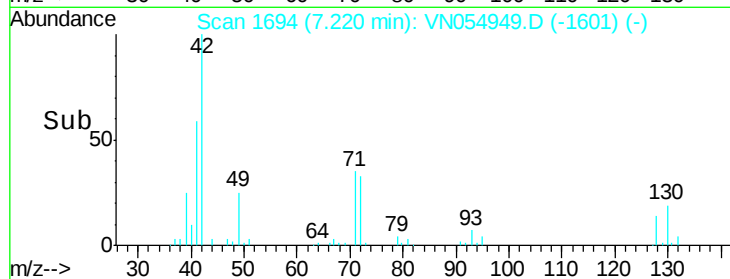
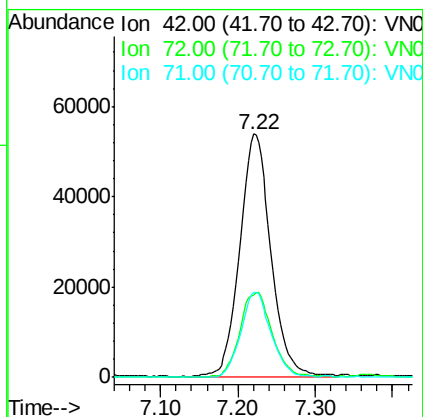
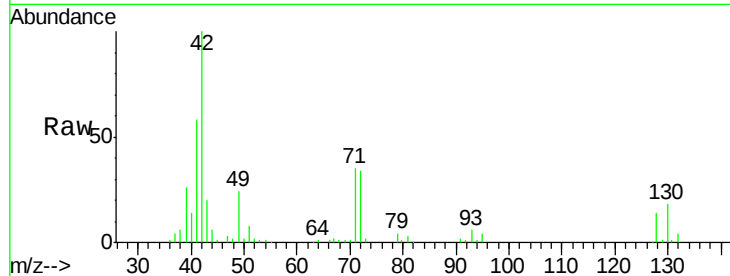




#29
Tetrahydrofuran
Concen: 110.873 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

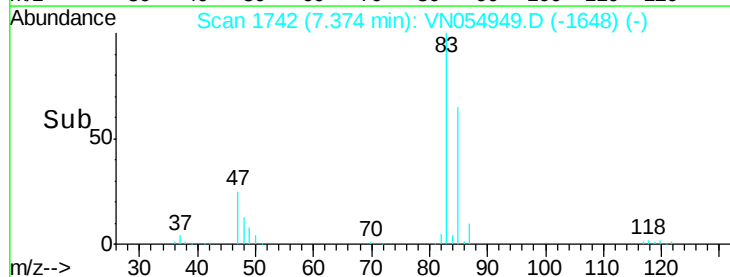
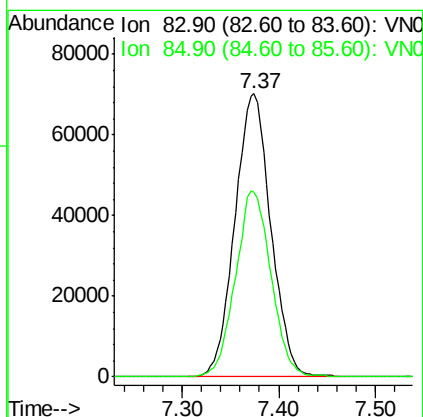
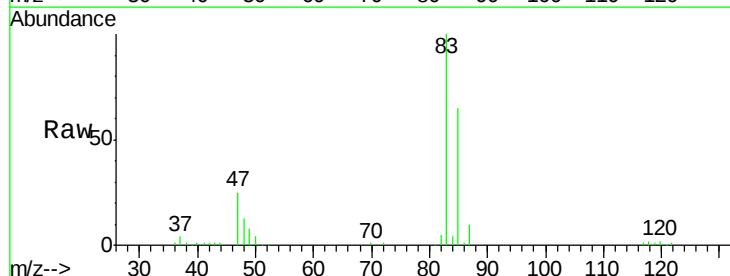
Instrument :
MSVOA_N
ClientSampled :
VN0404WBSD01

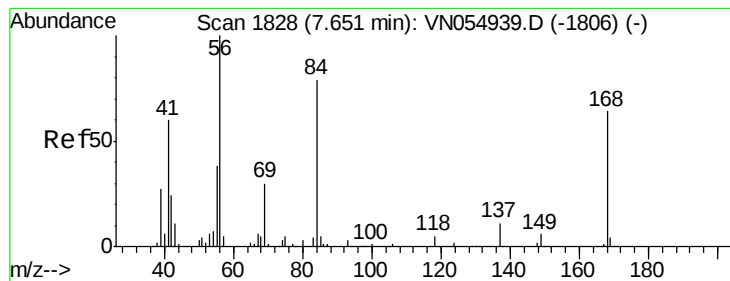
Tgt Ion: 42 Resp: 149993
Ion Ratio Lower Upper
42 100
72 36.6 29.3 43.9
71 34.2 27.8 41.6



#30
Chloroform
Concen: 20.935 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Tgt Ion: 83 Resp: 181232
Ion Ratio Lower Upper
83 100
85 65.3 51.4 77.0





#31

Cyclohexane

Concen: 20.809 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBSD01

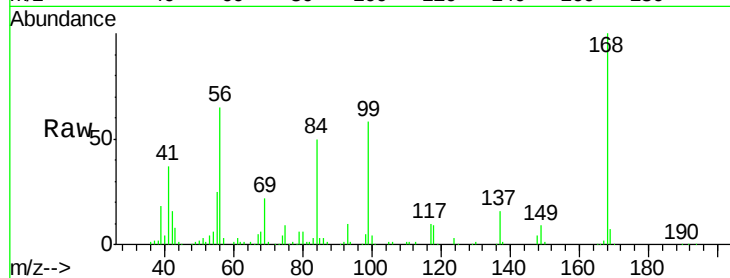
Tgt Ion: 56 Resp: 188019

Ion Ratio Lower Upper

56 100

69 33.2 23.8 35.6

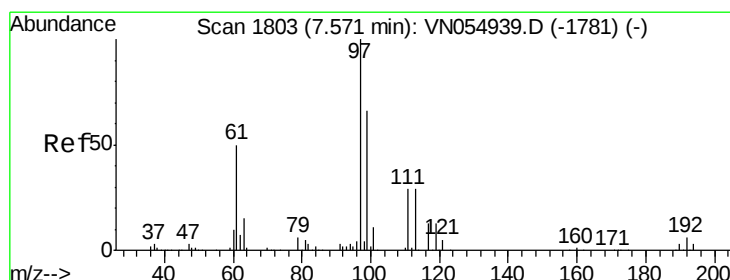
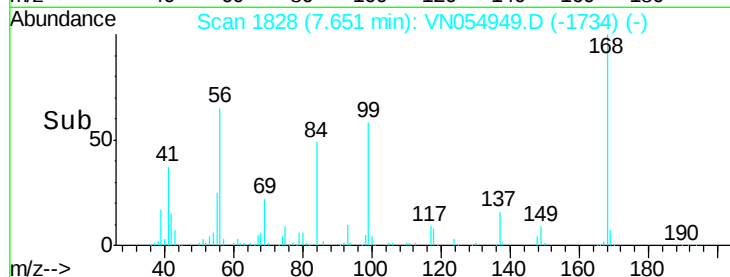
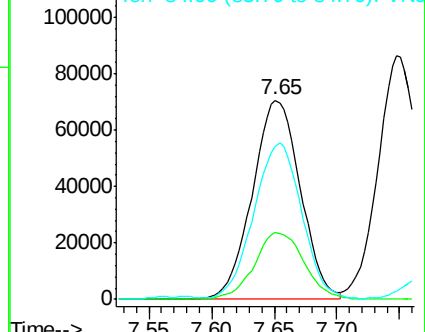
84 75.5 61.8 92.8



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: 20.763 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

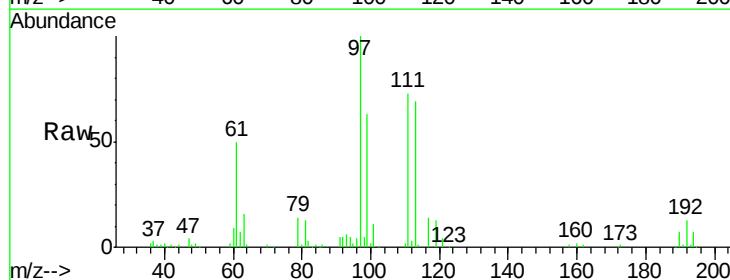
Tgt Ion: 97 Resp: 151680

Ion Ratio Lower Upper

97 100

99 62.9 52.1 78.1

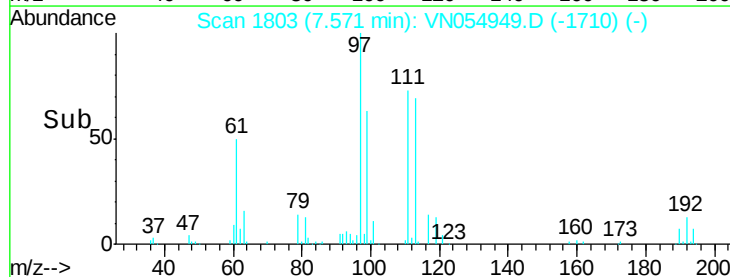
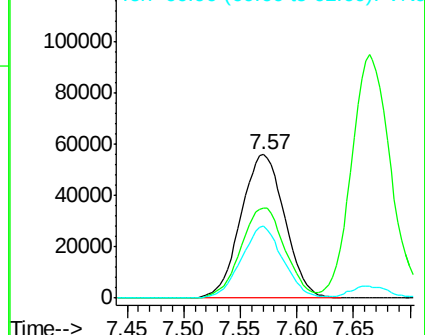
61 47.3 39.6 59.4

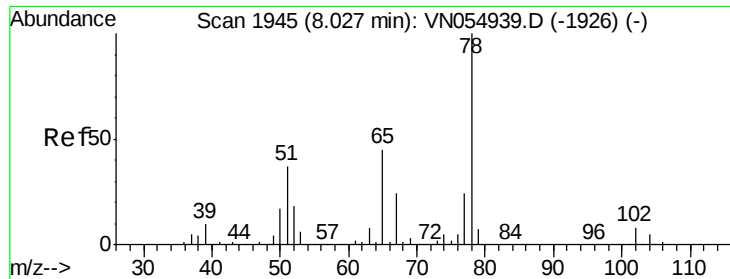


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 52.388 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

ClientSampled :

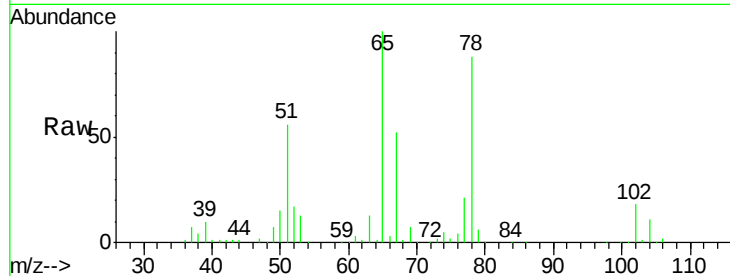
VN0404WBSD01

Tgt Ion: 65 Resp: 287958

Ion Ratio Lower Upper

65 100

67 51.7 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VN054939.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN054939.D (-1926) (-)

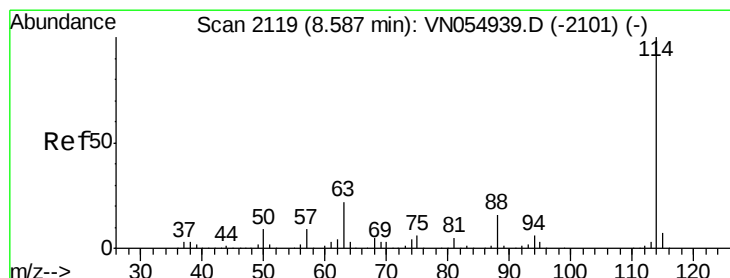
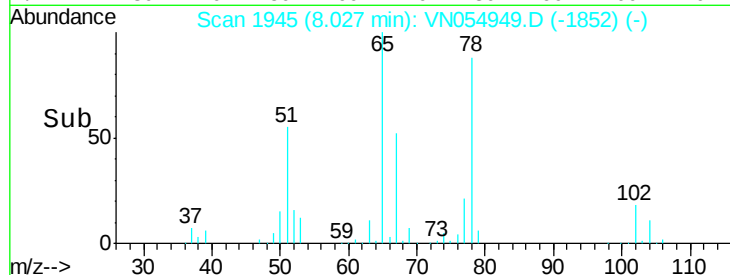
8.03

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

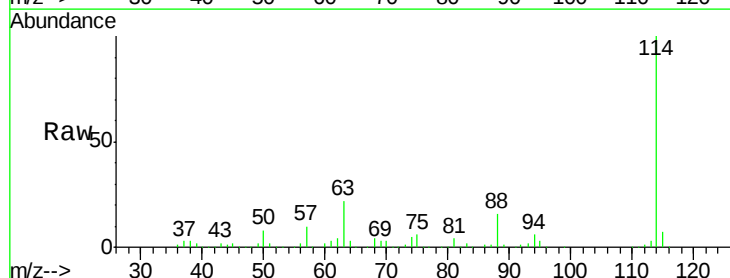
Tgt Ion: 114 Resp: 703058

Ion Ratio Lower Upper

114 100

63 21.9 0.0 44.6

88 15.6 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): VN054939.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN054939.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN054939.D (-2101) (-)

8.59

400000

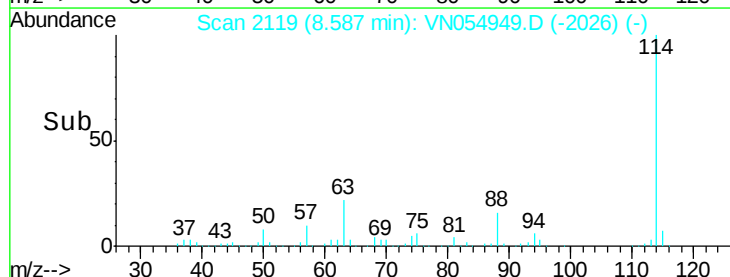
300000

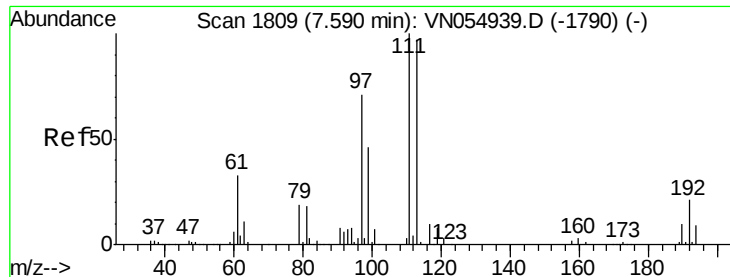
200000

100000

0

Time-->

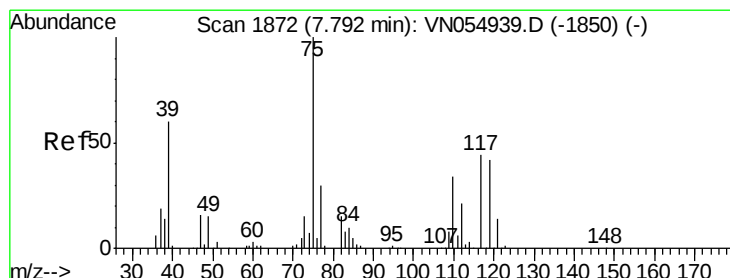
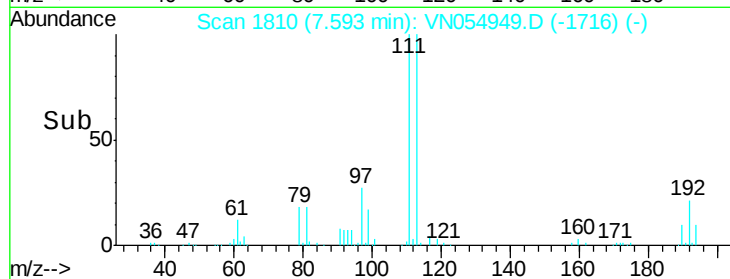
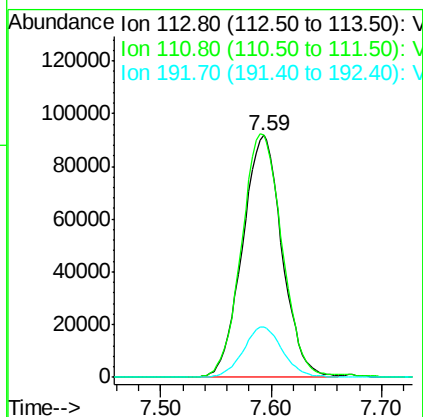
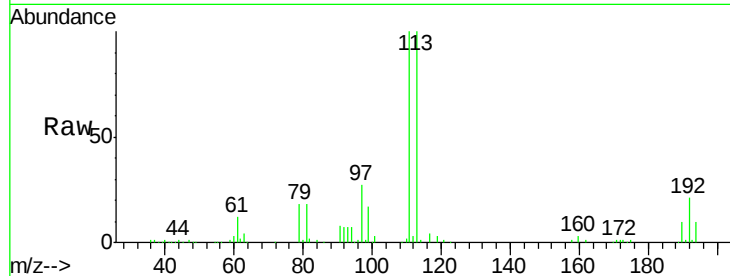




#35
 Dibromofluoromethane
 Concen: 49.759 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

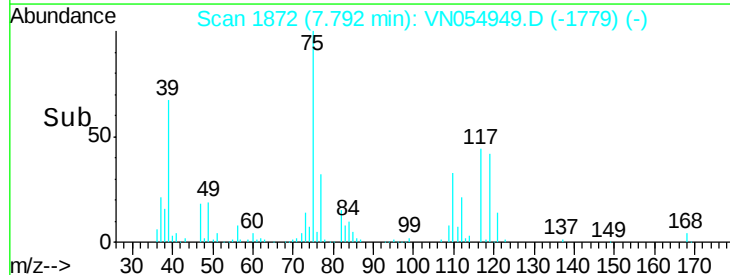
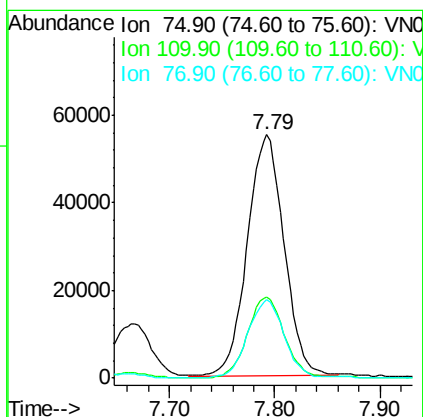
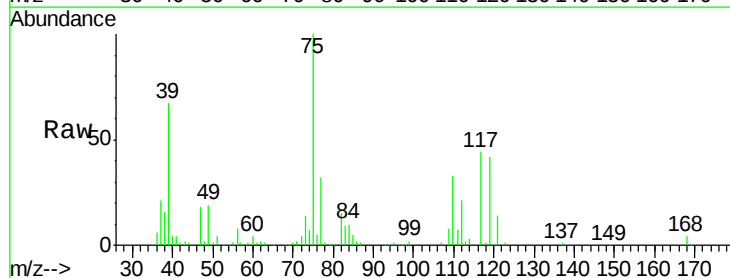
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBSD01

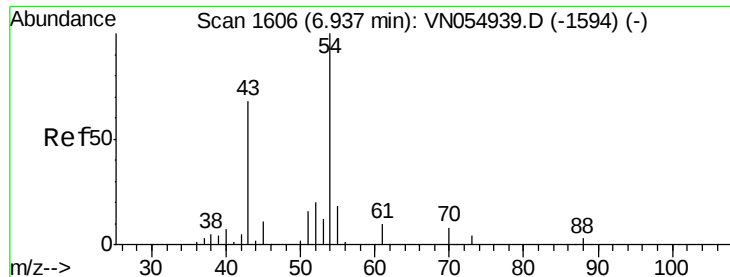
Tgt Ion:113 Resp: 227728
 Ion Ratio Lower Upper
 113 100
 111 104.0 81.0 121.4
 192 20.6 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 19.269 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Tgt Ion: 75 Resp: 134234
 Ion Ratio Lower Upper
 75 100
 110 33.7 17.0 50.9
 77 32.1 25.3 37.9

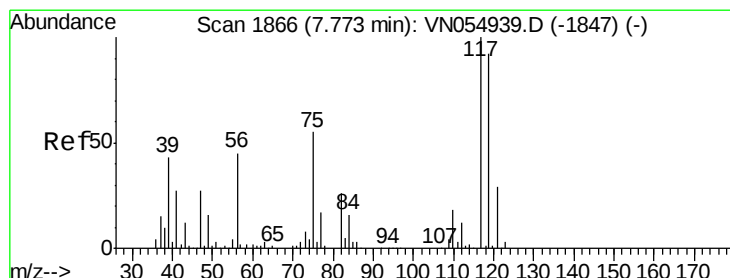
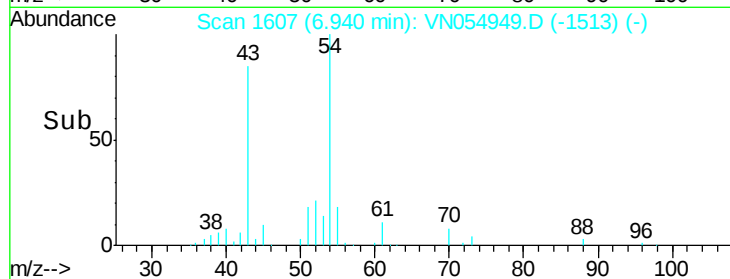
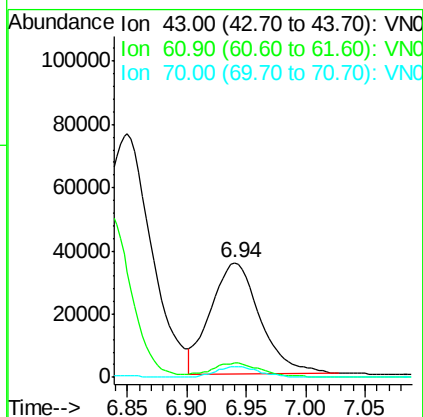
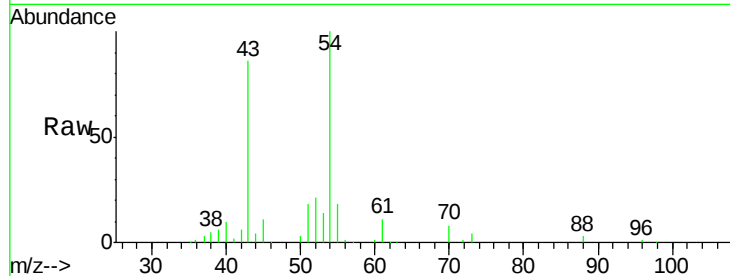




#37
 Ethyl Acetate
 Concen: 21.445 ug/l
 RT: 6.94 min Scan# 1607
 Delta R.T. 0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

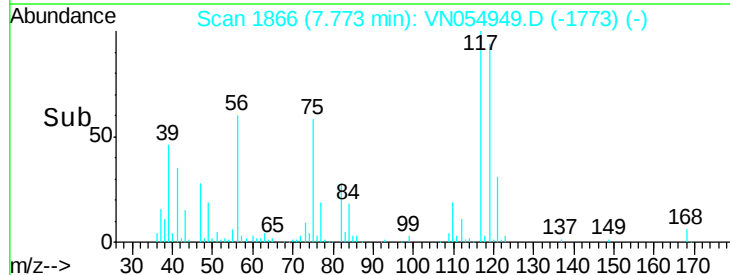
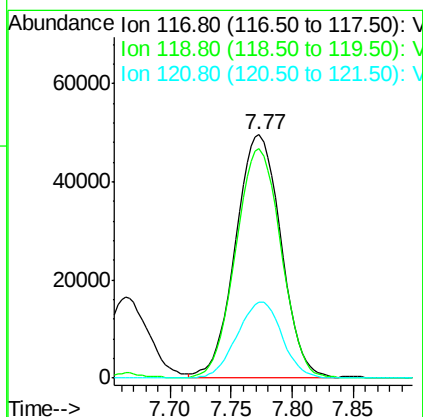
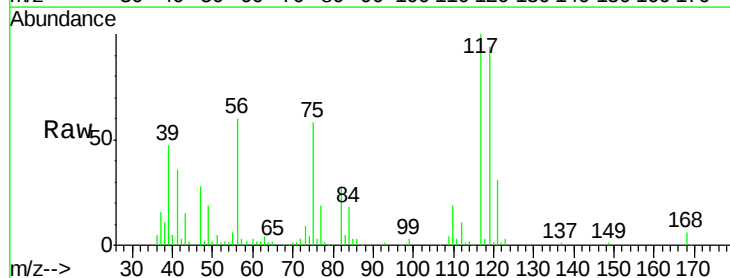
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBSD01

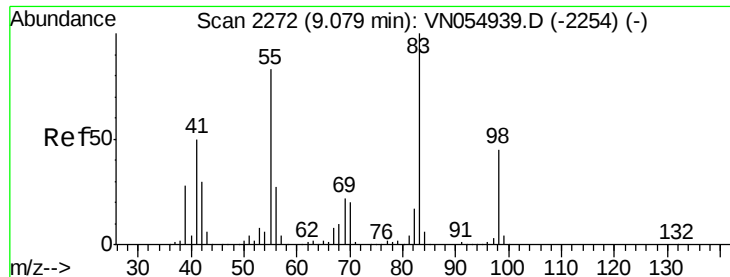
Tgt Ion: 43 Resp: 102519
 Ion Ratio Lower Upper
 43 100
 61 12.1 10.3 15.5
 70 8.4 7.0 10.4



#38
 Carbon Tetrachloride
 Concen: 18.896 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Tgt Ion: 117 Resp: 127121
 Ion Ratio Lower Upper
 117 100
 119 94.1 73.6 110.4
 121 31.3 23.4 35.0

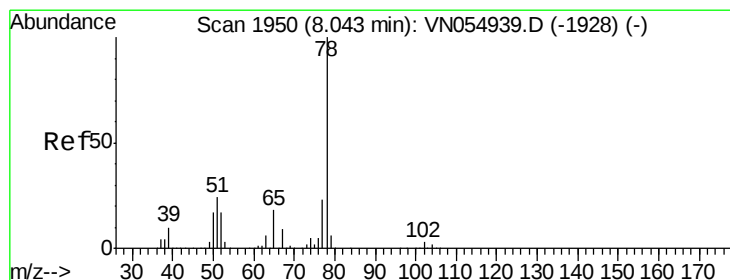
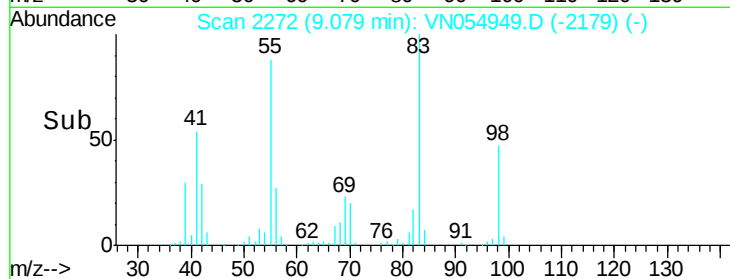
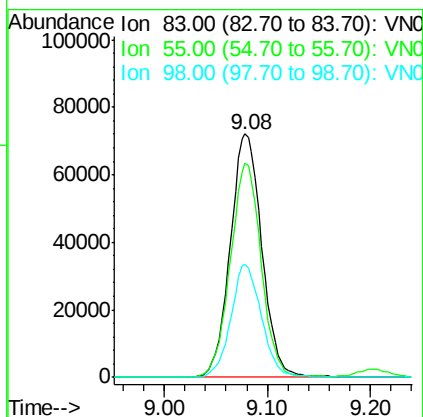
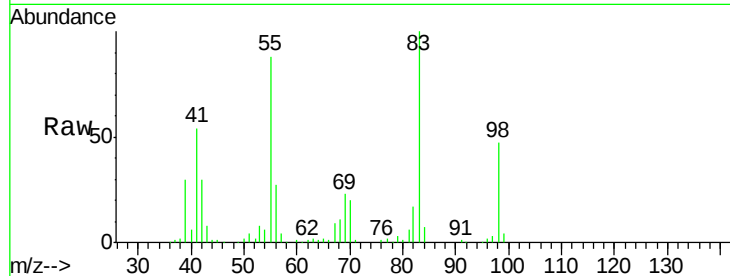




#39
Methylcyclohexane
Concen: 20.039 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

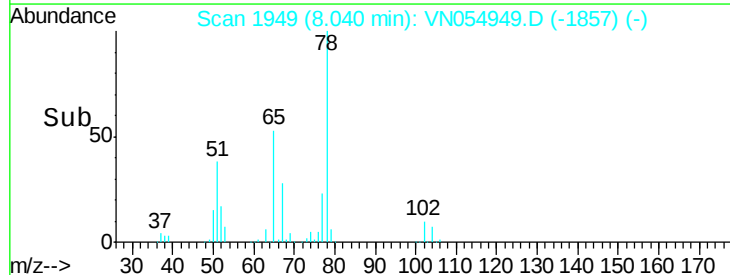
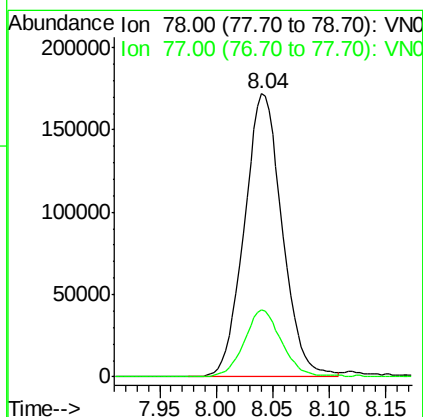
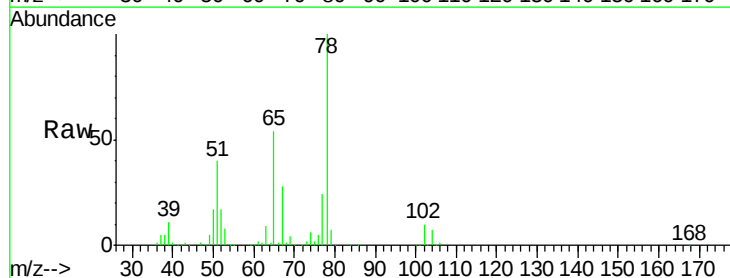
Instrument :
MSVOA_N
ClientSampleId :
VN0404WBSD01

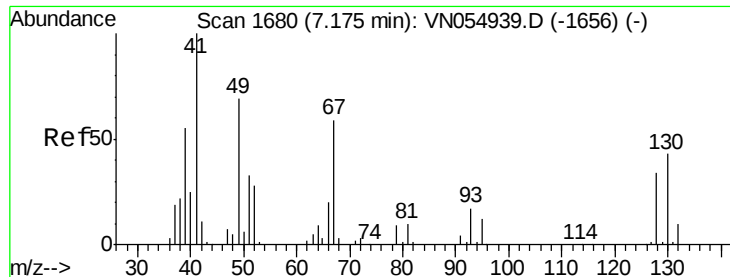
Tgt Ion: 83 Resp: 153574
Ion Ratio Lower Upper
83 100
55 87.7 66.4 99.6
98 46.7 36.4 54.6



#40
Benzene
Concen: 20.010 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Tgt Ion: 78 Resp: 401099
Ion Ratio Lower Upper
78 100
77 23.5 18.6 27.8





#41

Methacrylonitrile

Concen: 21.618 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBSD01

Tgt Ion: 41 Resp: 59093

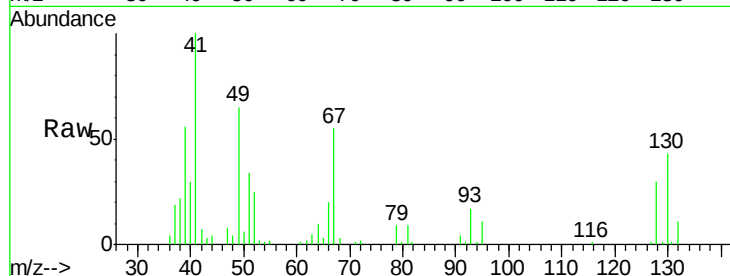
Ion Ratio Lower Upper

41 100

39 60.5 43.0 64.6

67 66.0 55.0 82.6

52 30.0 24.4 36.6

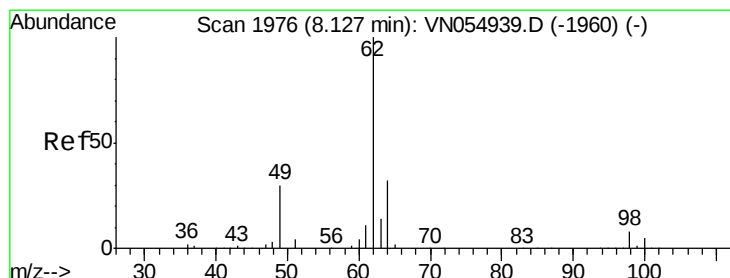
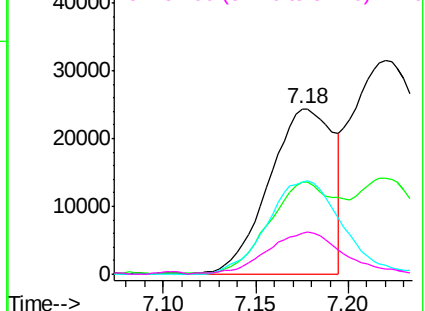
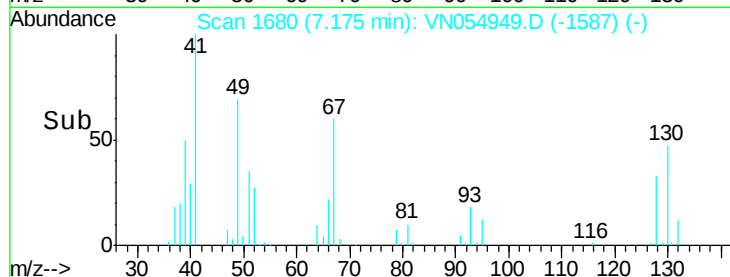


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 20.358 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN054949.D

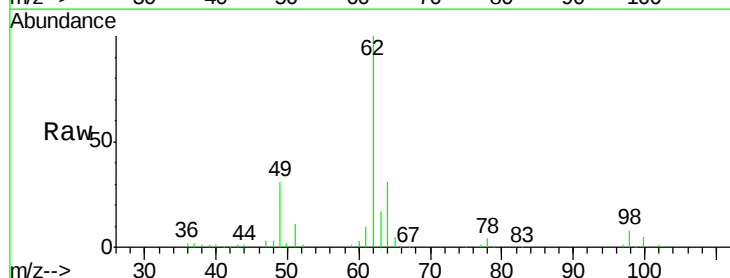
Acq: 4 Apr 2019 15:59

Tgt Ion: 62 Resp: 143399

Ion Ratio Lower Upper

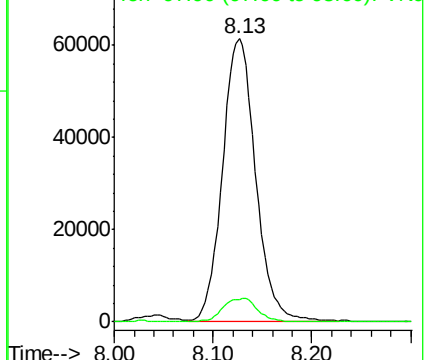
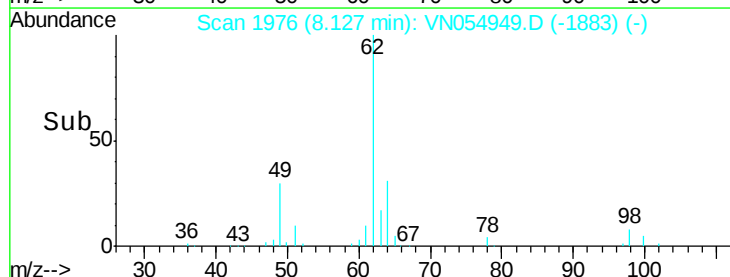
62 100

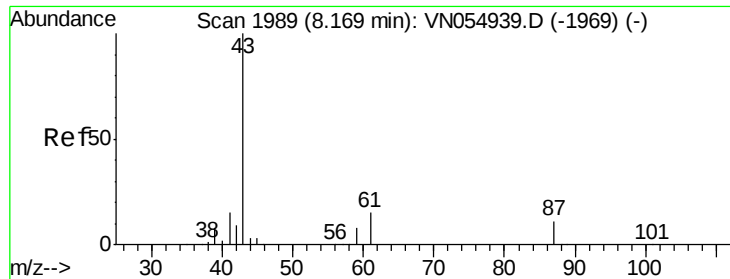
98 8.8 0.0 16.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 20.863 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBSD01

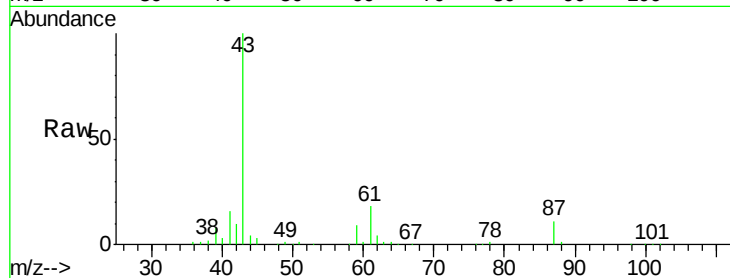
Tgt Ion: 43 Resp: 168092

Ion Ratio Lower Upper

43 100

61 18.2 14.4 21.6

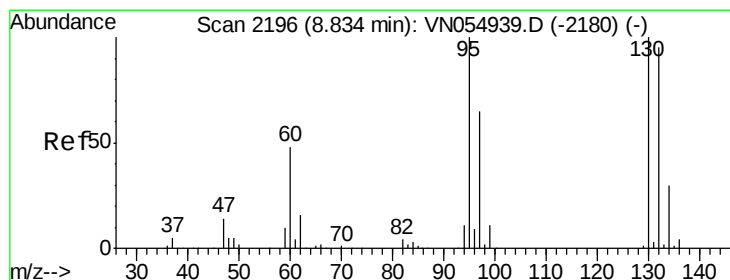
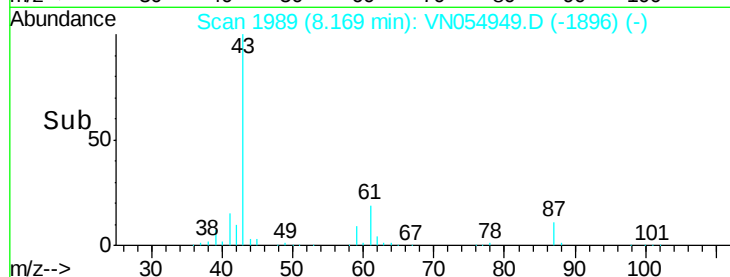
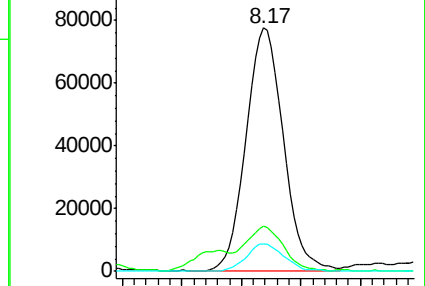
87 11.5 9.0 13.4



Abundance Ion 43.00 (42.70 to 43.70): VN054939.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN054939.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN054939.D (-1969) (-)



#44

Trichloroethene

Concen: 20.514 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054949.D

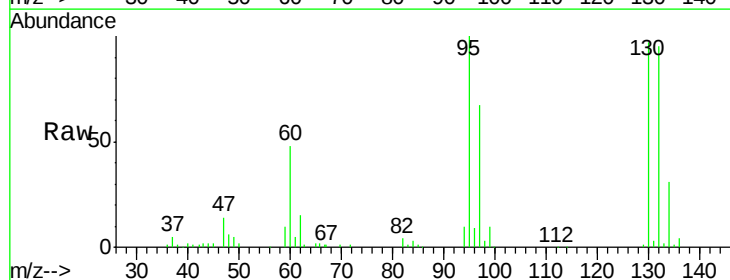
Acq: 4 Apr 2019 15:59

Tgt Ion: 130 Resp: 105140

Ion Ratio Lower Upper

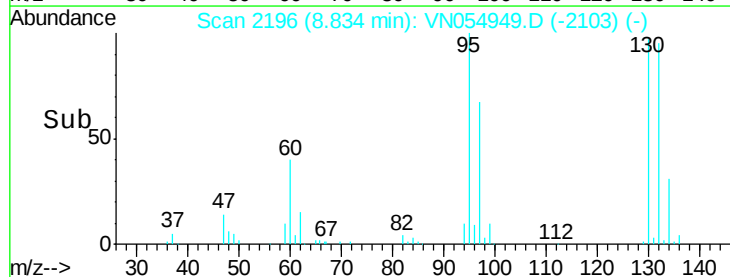
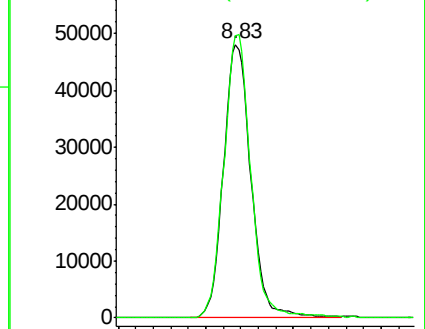
130 100

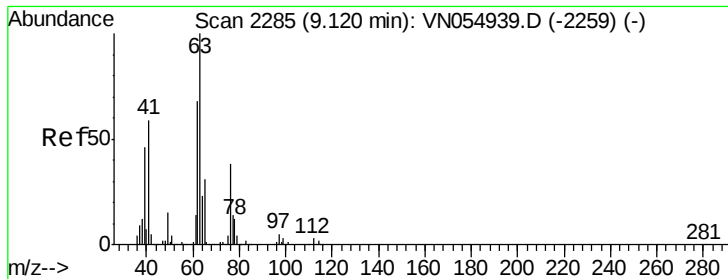
95 103.2 0.0 200.4



Abundance Ion 129.80 (129.50 to 130.50): VN054939.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN054939.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 20.348 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

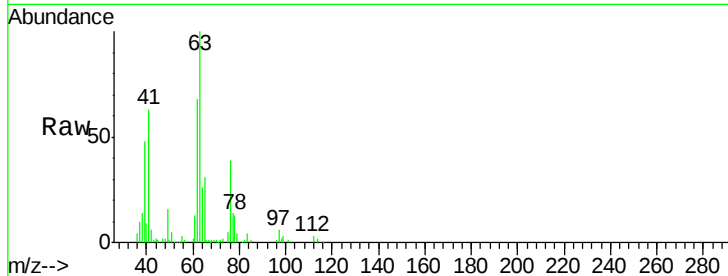
VN0404WBSD01

Tgt Ion: 63 Resp: 113648

Ion Ratio Lower Upper

63 100

65 30.6 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

60000

50000

40000

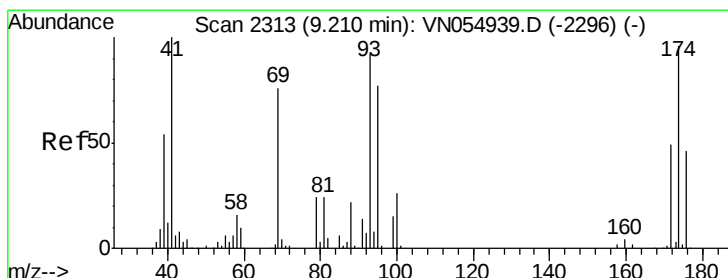
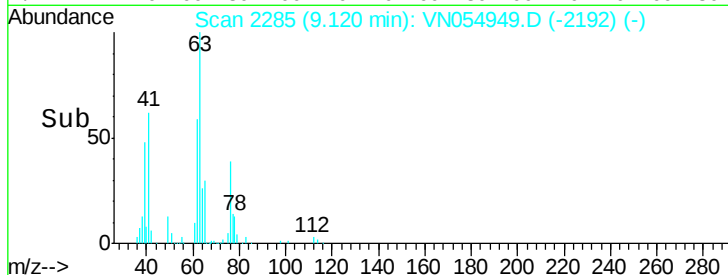
30000

20000

10000

0

Time-->



#46

Dibromomethane

Concen: 20.109 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

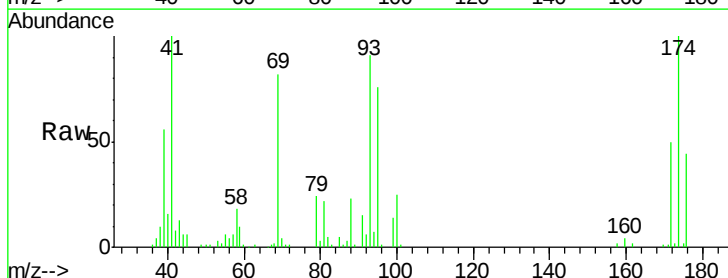
Tgt Ion: 93 Resp: 63690

Ion Ratio Lower Upper

93 100

95 84.7 66.7 100.1

174 106.0 82.0 123.0



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

40000

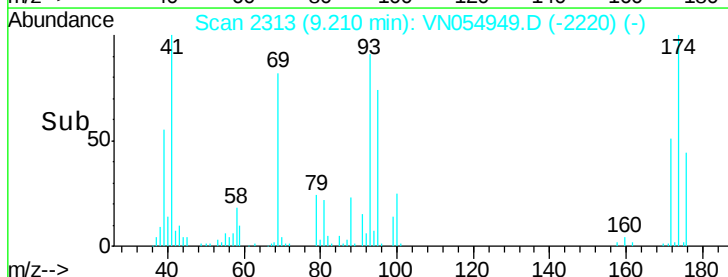
30000

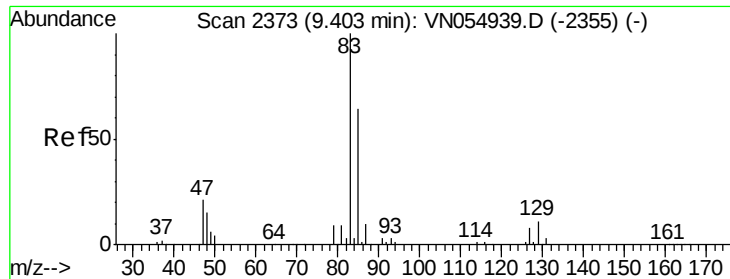
20000

10000

0

Time-->





#47

Bromodichloromethane

Concen: 20.072 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBSD01

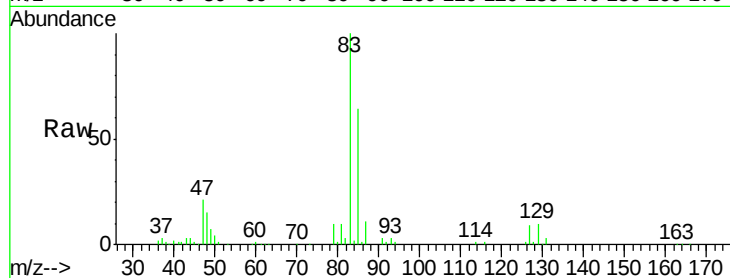
Tgt Ion: 83 Resp: 133525

Ion Ratio Lower Upper

83 100

85 63.5 51.1 76.7

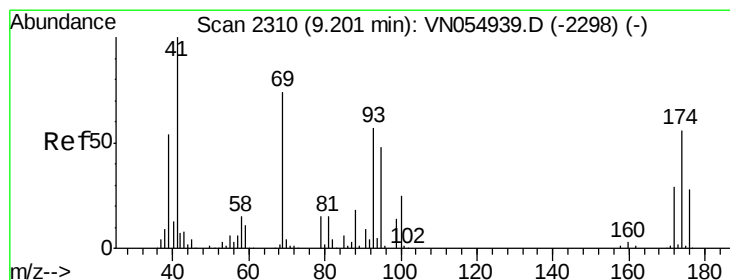
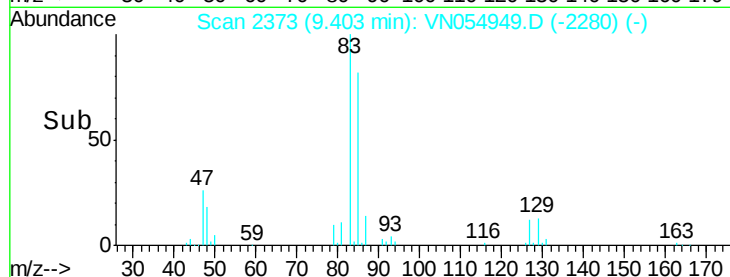
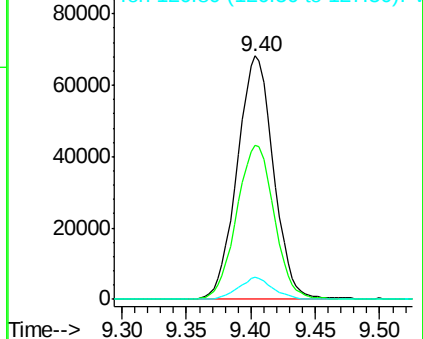
127 9.1 6.7 10.1



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): VN0



#48

Methyl methacrylate

Concen: 20.279 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

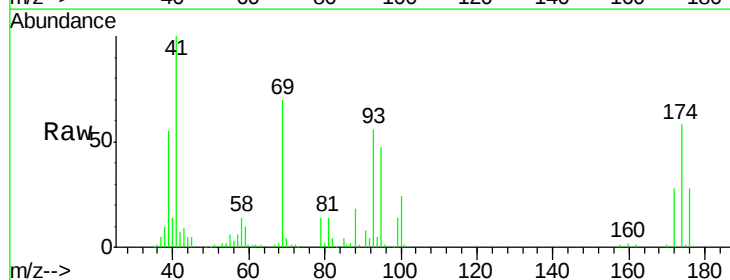
Tgt Ion: 41 Resp: 82711

Ion Ratio Lower Upper

41 100

69 76.5 58.9 88.3

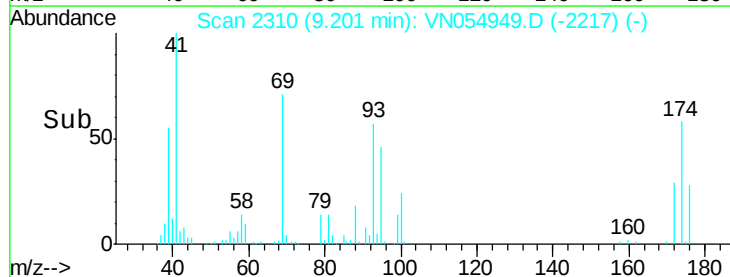
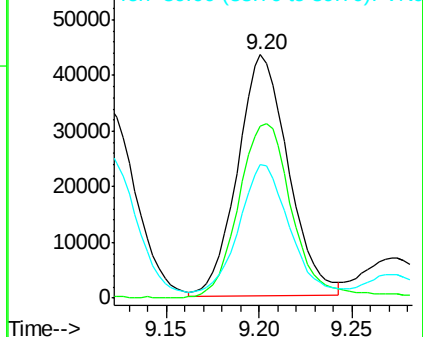
39 55.2 44.2 66.4

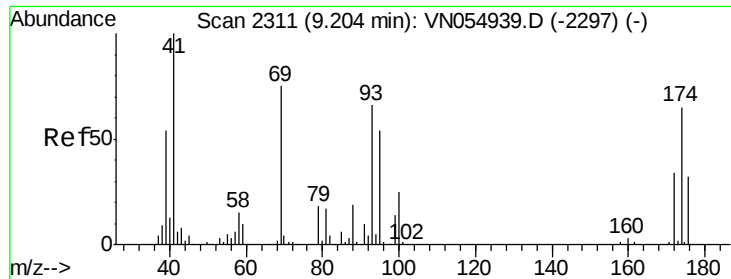


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 422.180 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBSD01

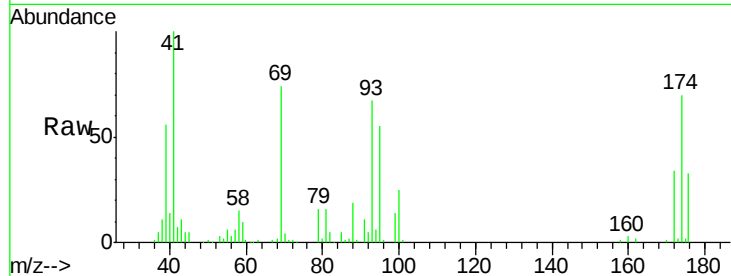
Tgt Ion: 88 Resp: 17380

Ion Ratio Lower Upper

88 100

43 46.5 31.5 47.3

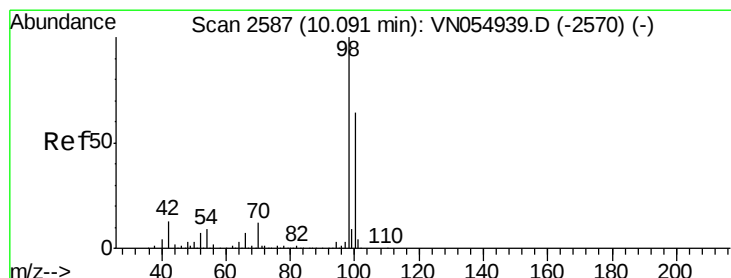
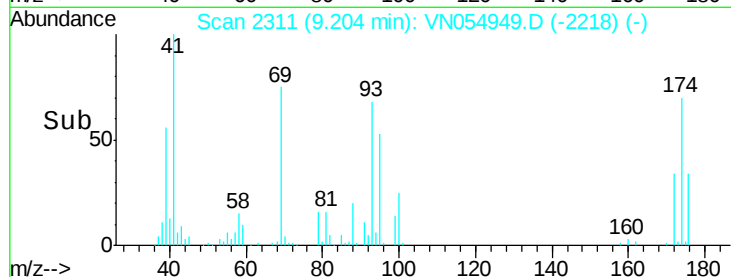
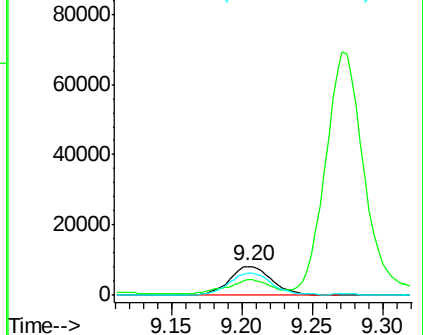
58 79.0 61.9 92.9



Abundance Ion 88.00 (87.70 to 88.70): VN054949.D (-2297) (-)

Ion 43.00 (42.70 to 43.70): VN054949.D (-2297) (-)

Ion 58.00 (57.70 to 58.70): VN054949.D (-2297) (-)



#50

Toluene-d8

Concen: 49.008 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054949.D

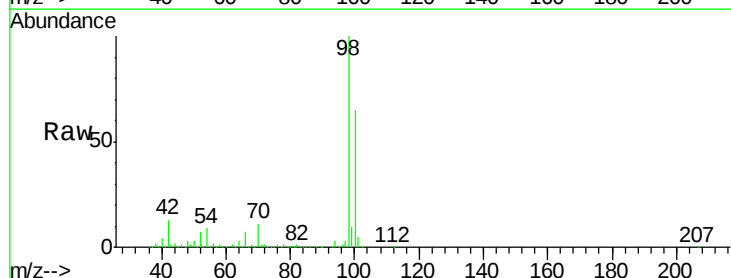
Acq: 4 Apr 2019 15:59

Tgt Ion: 98 Resp: 851051

Ion Ratio Lower Upper

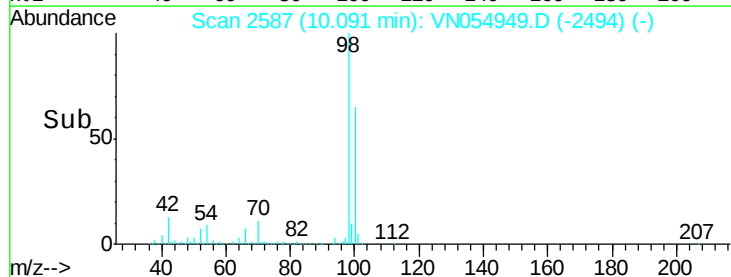
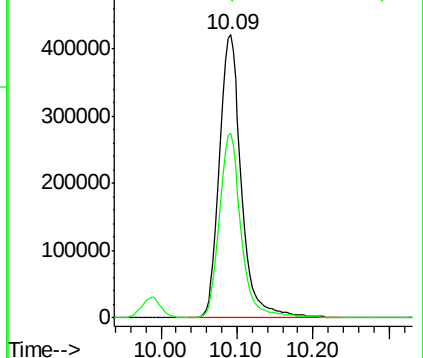
98 100

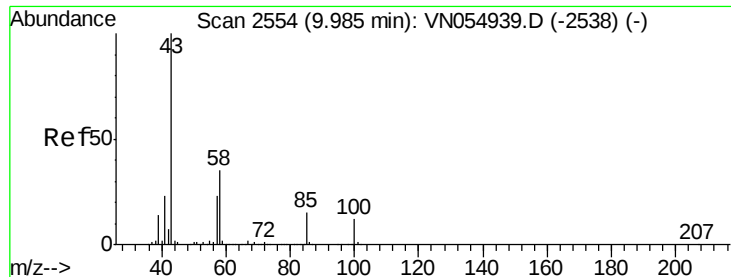
100 63.9 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN054949.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN054949.D (-2570) (-)

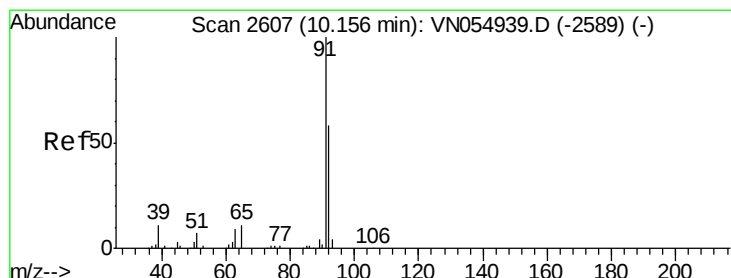
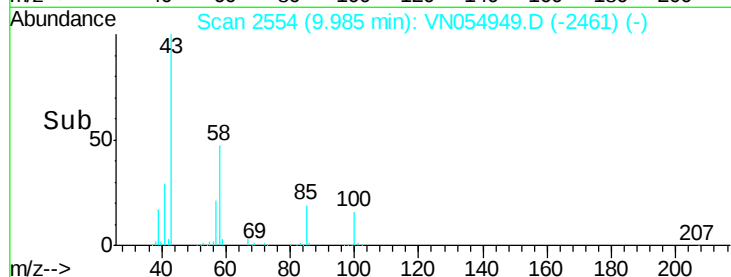
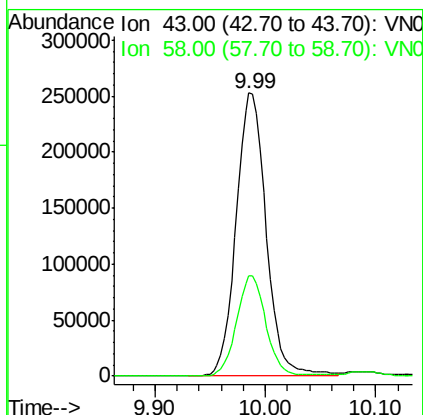
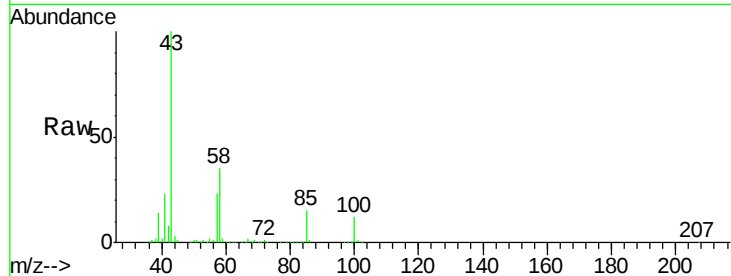




#51
 4-Methyl-2-Pentanone
 Concen: 105.665 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

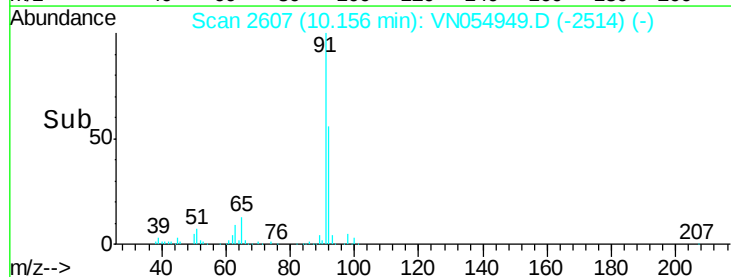
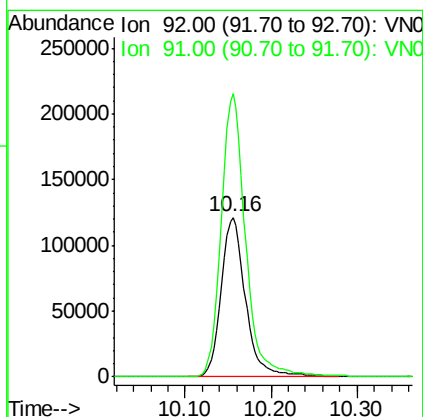
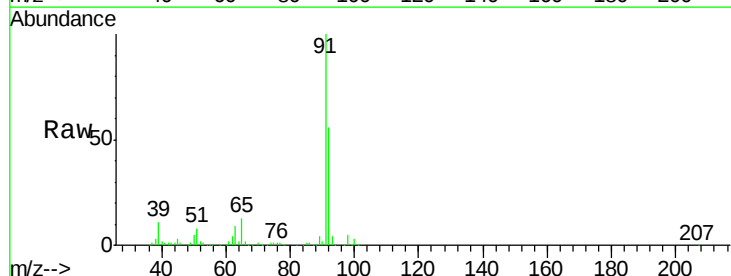
Instrument :
 MSVOA_N
 ClientSampled :
 VN0404WBSD01

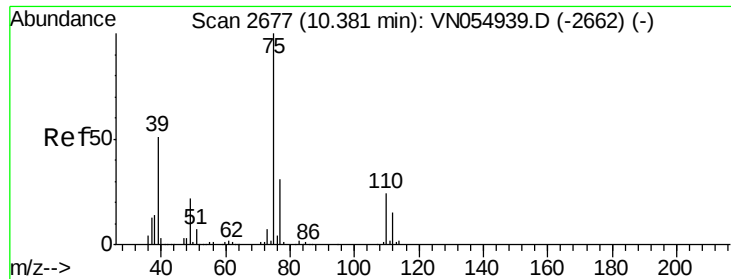
Tgt Ion: 43 Resp: 474930
 Ion Ratio Lower Upper
 43 100
 58 35.0 28.3 42.5



#52
 Toluene
 Concen: 20.325 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Tgt Ion: 92 Resp: 240142
 Ion Ratio Lower Upper
 92 100
 91 177.8 138.8 208.2





#53

t-1,3-Dichloropropene

Concen: 18.952 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

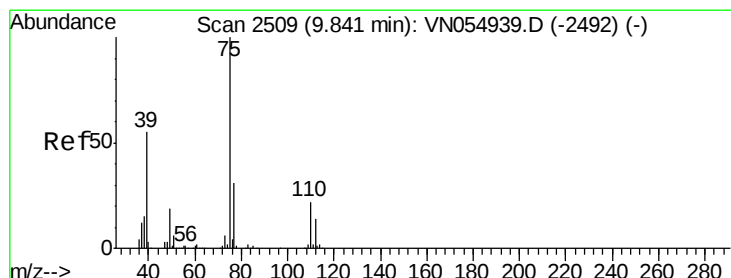
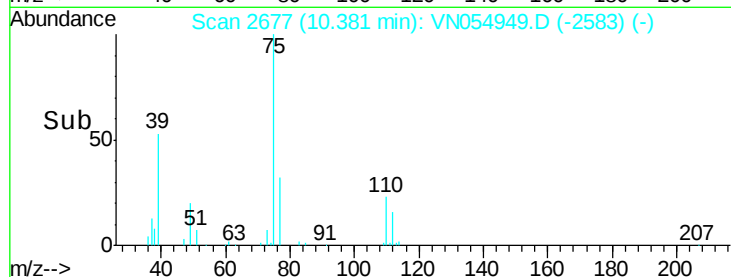
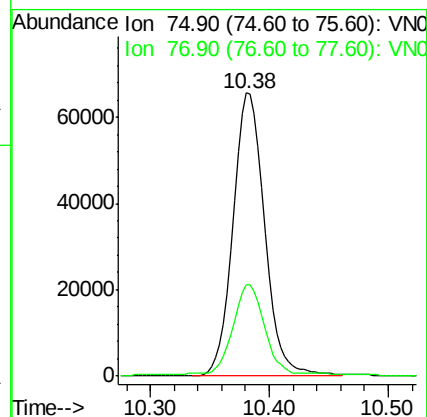
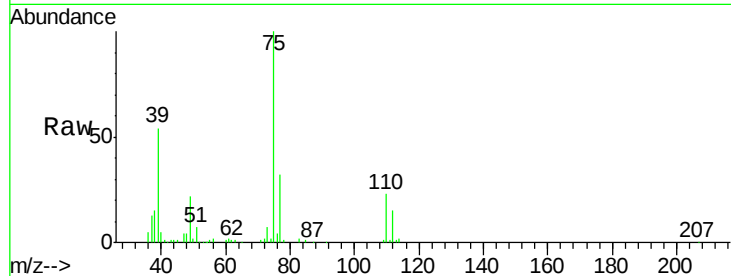
VN0404WBSD01

Tgt Ion: 75 Resp: 121356

Ion Ratio Lower Upper

75 100

77 31.8 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 20.538 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

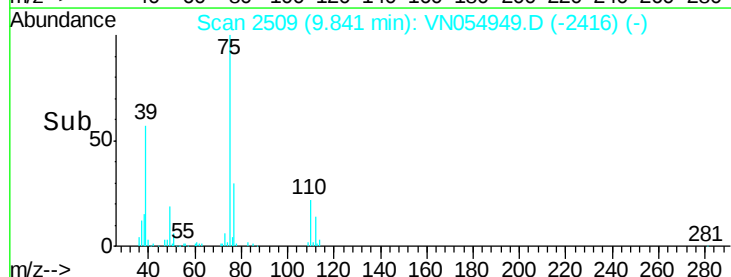
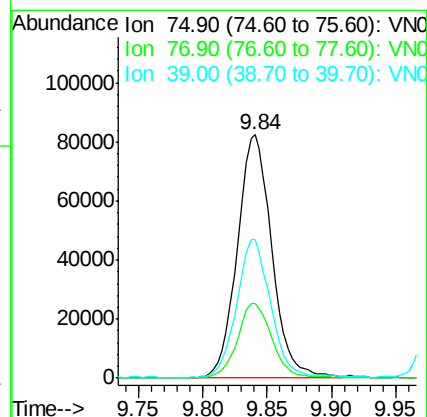
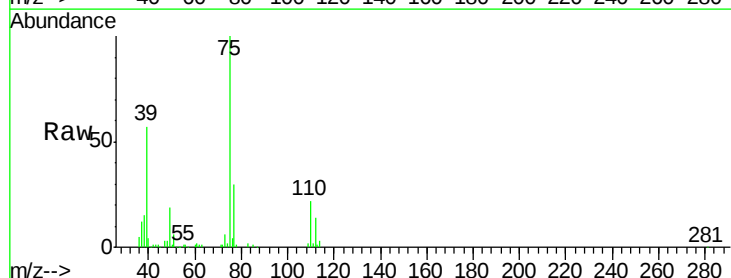
Tgt Ion: 75 Resp: 153771

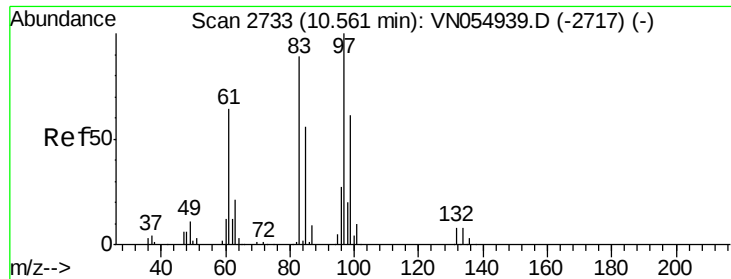
Ion Ratio Lower Upper

75 100

77 30.5 25.0 37.4

39 56.4 43.9 65.9

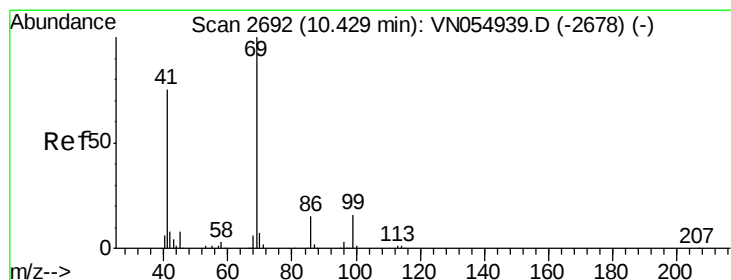
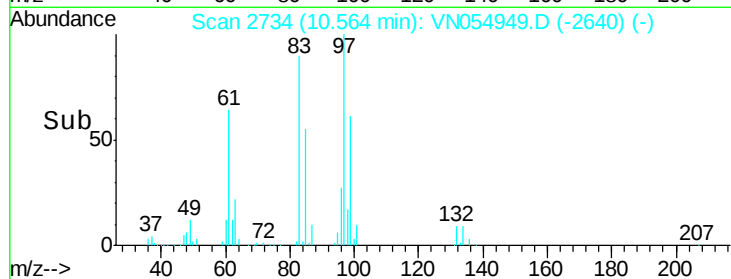
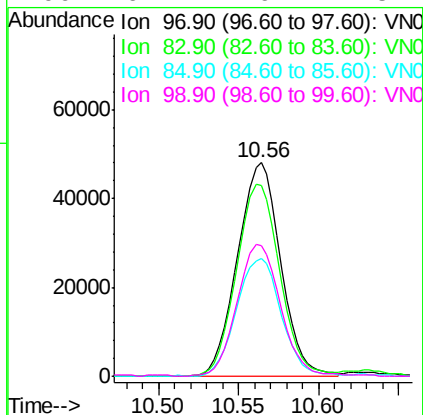
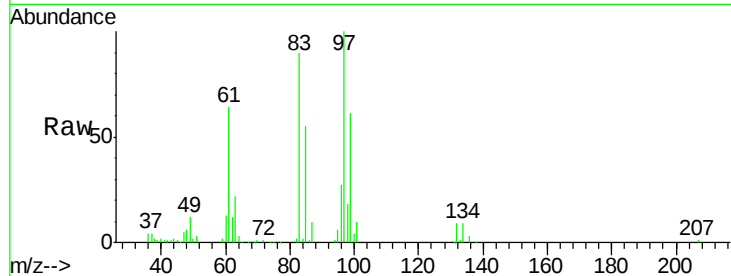




#55
 1,1,2-Trichloroethane
 Concen: 20.688 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

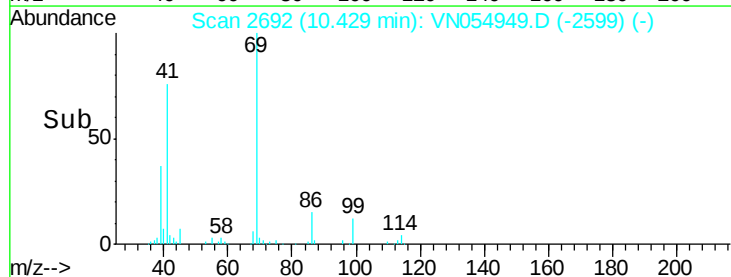
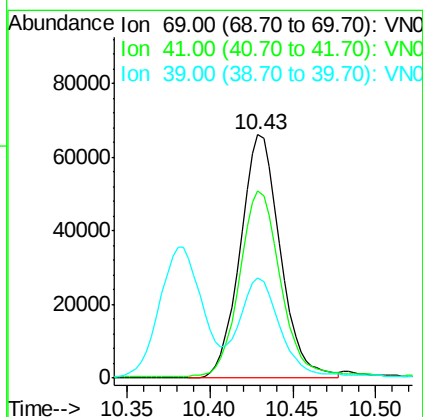
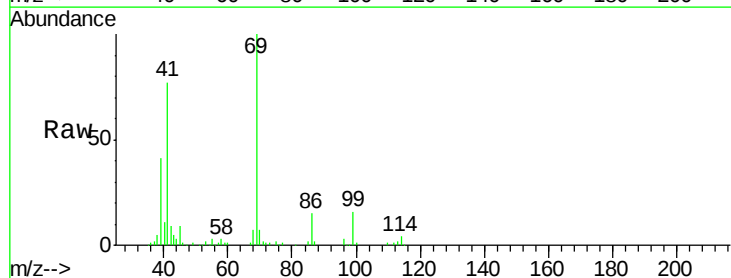
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBSD01

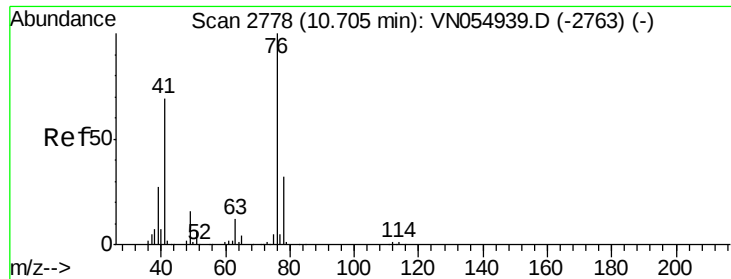
Tgt Ion: 97 Resp: 88622
 Ion Ratio Lower Upper
 97 100
 83 89.5 71.5 107.3
 85 54.9 45.0 67.6
 99 61.2 49.1 73.7



#56
 Ethyl methacrylate
 Concen: 19.867 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Tgt Ion: 69 Resp: 111272
 Ion Ratio Lower Upper
 69 100
 41 78.6 60.2 90.2
 39 38.6 31.3 46.9

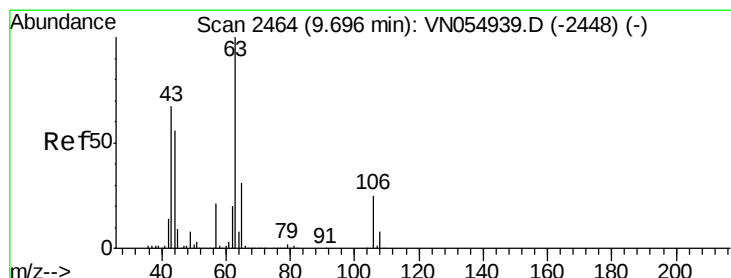
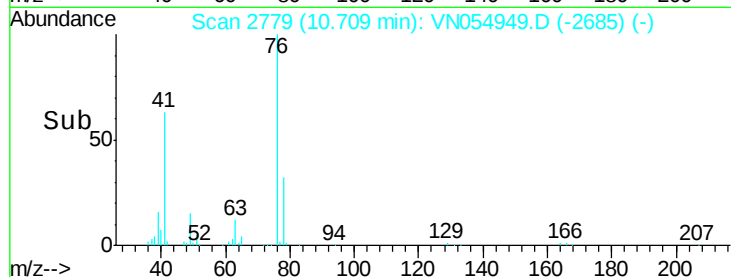
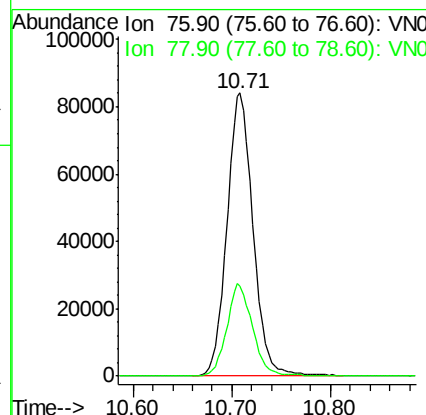
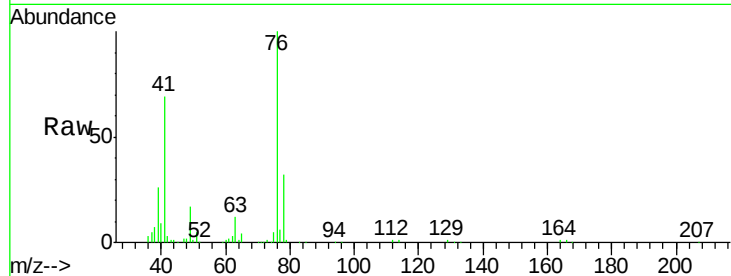




#57
 1,3-Dichloropropane
 Concen: 20.842 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

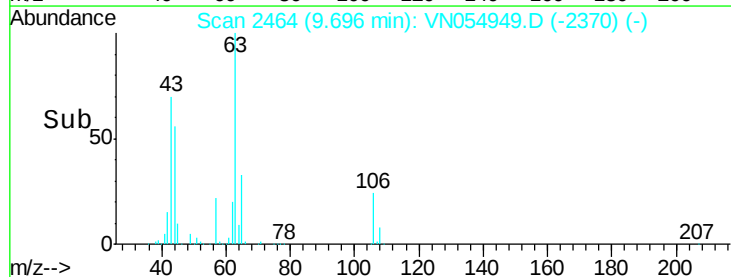
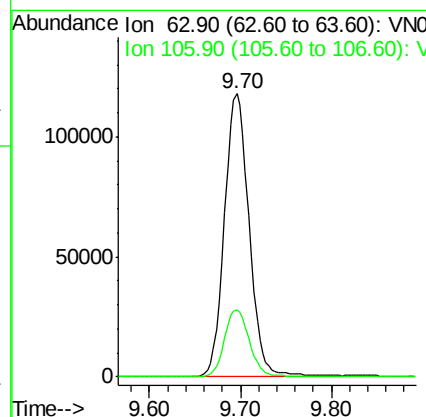
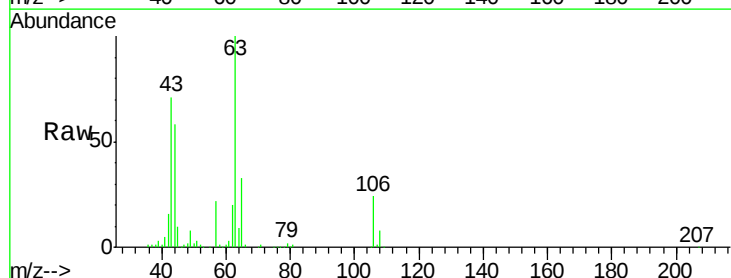
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBSD01

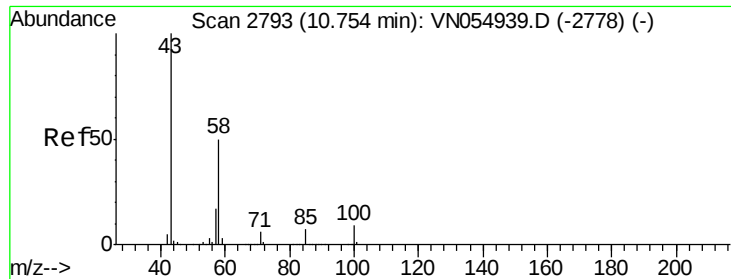
Tgt Ion: 76 Resp: 155925
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.213 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Tgt Ion: 63 Resp: 223672
 Ion Ratio Lower Upper
 63 100
 106 23.9 19.7 29.5

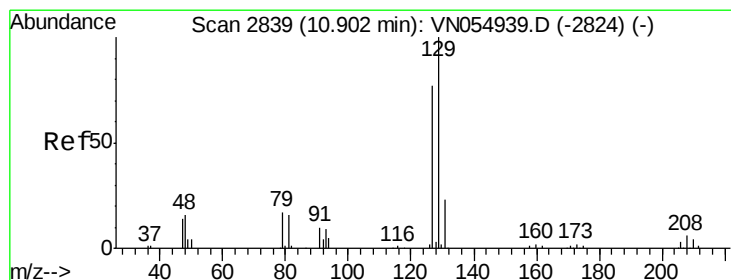
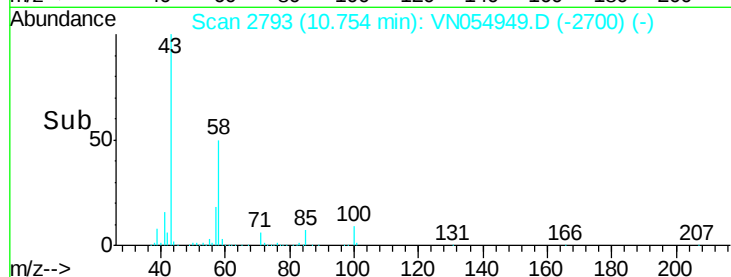
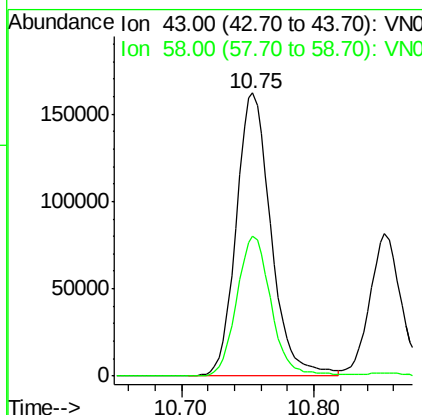
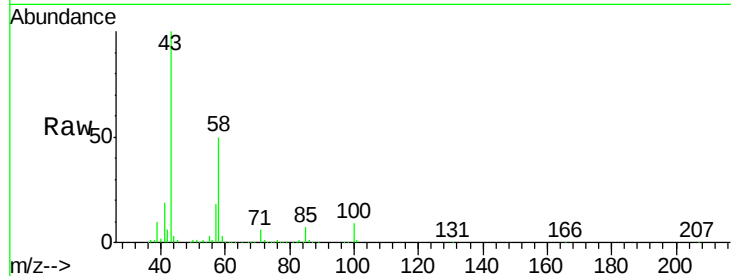




#59
2-Hexanone
Concen: 104.210 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

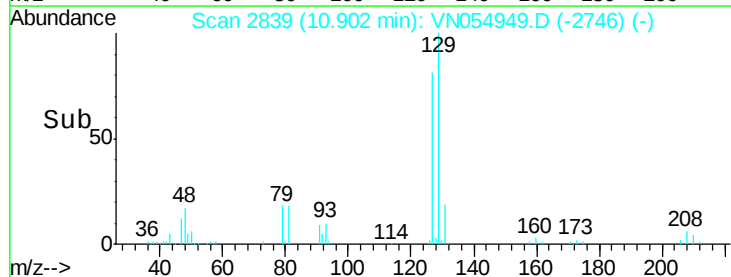
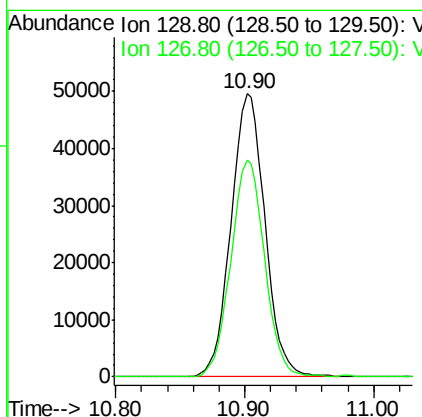
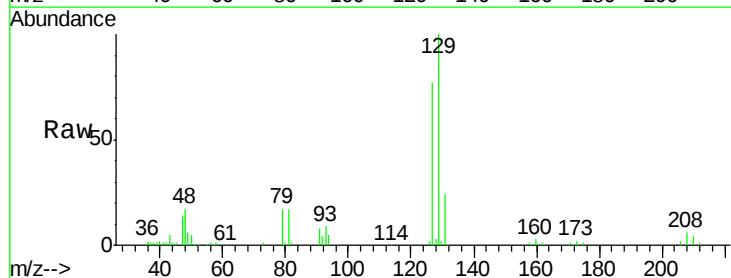
Instrument :
MSVOA_N
ClientSampleId :
VN0404WBSD01

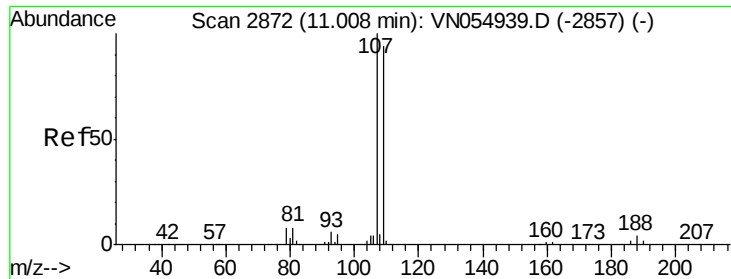
Tgt Ion: 43 Resp: 292562
Ion Ratio Lower Upper
43 100
58 49.5 24.6 73.8



#60
Dibromochloromethane
Concen: 20.180 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Tgt Ion: 129 Resp: 90551
Ion Ratio Lower Upper
129 100
127 76.3 38.4 115.2

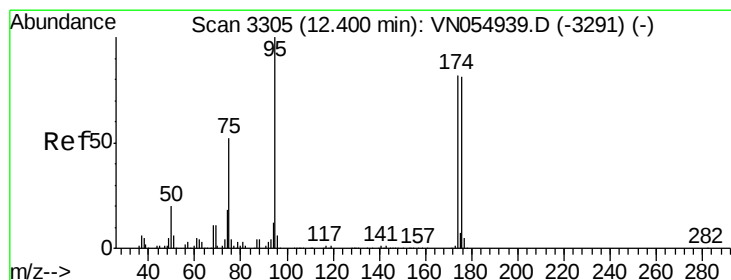
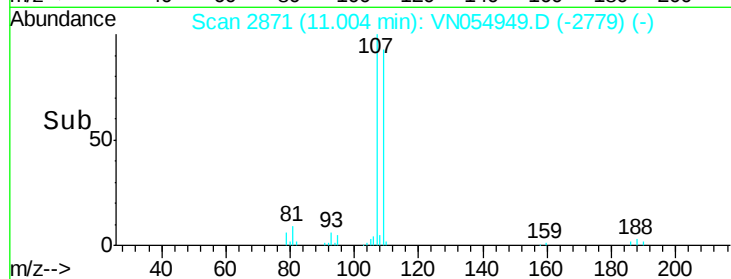
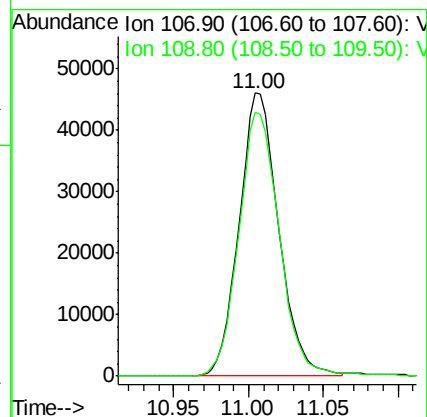
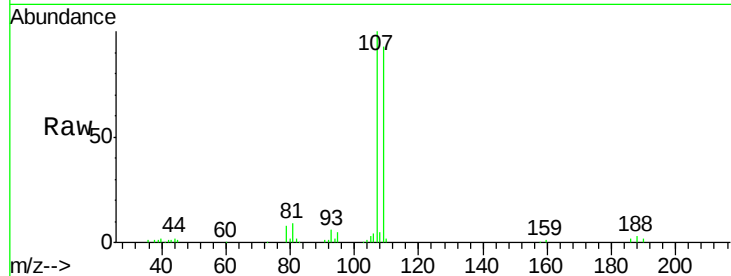




#61
 1,2-Dibromoethane
 Concen: 21.075 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

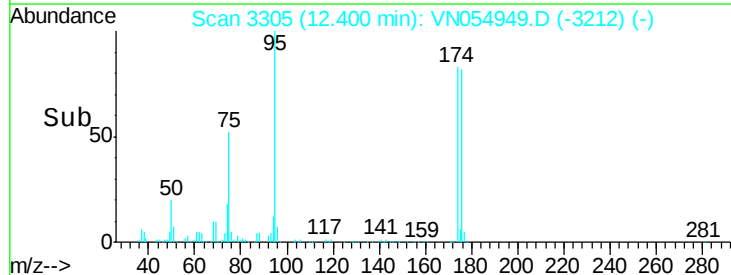
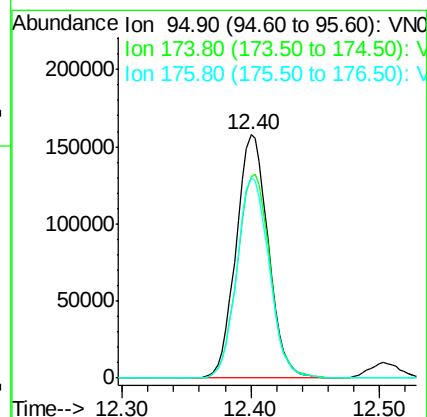
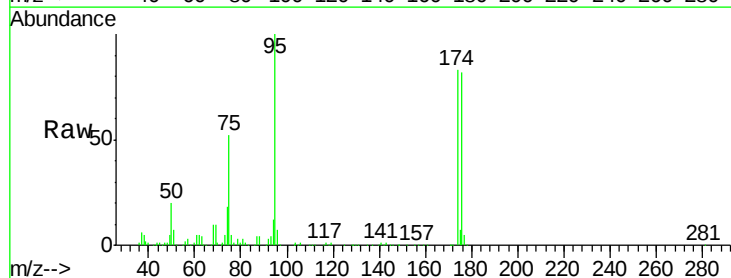
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBSD01

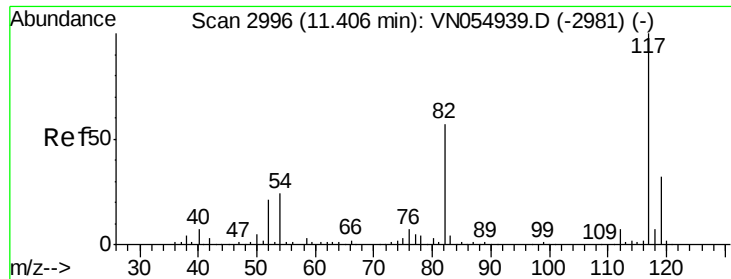
Tgt Ion: 107 Resp: 84887
 Ion Ratio Lower Upper
 107 100
 109 95.9 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 47.311 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Tgt Ion: 95 Resp: 274177
 Ion Ratio Lower Upper
 95 100
 174 85.3 0.0 166.2
 176 82.8 0.0 163.2

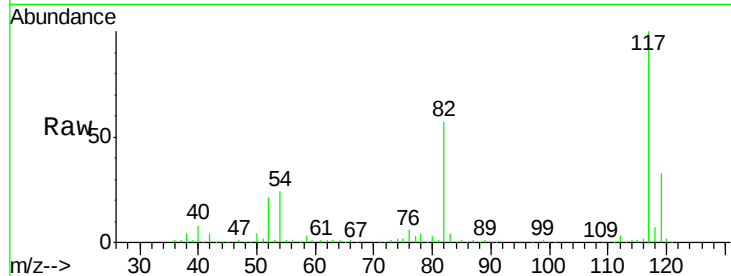




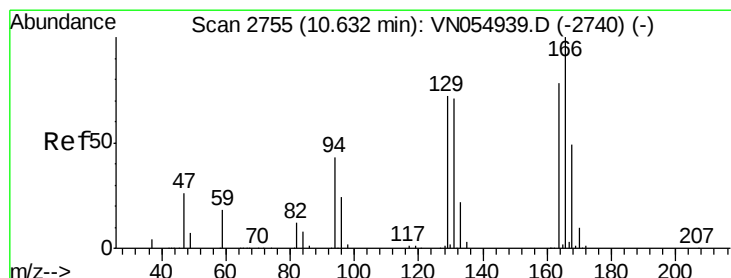
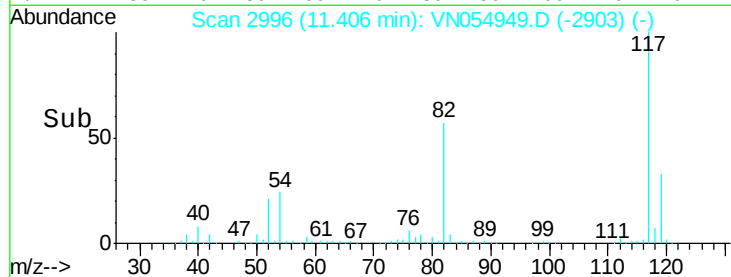
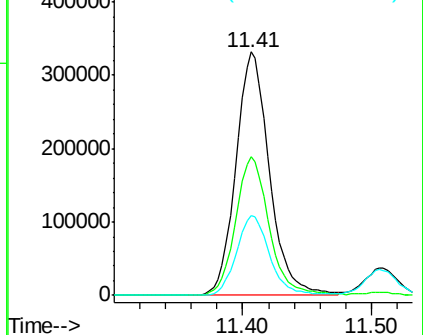
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Instrument :
MSVOA_N
ClientSampleId :
VN0404WBSD01

Tgt Ion:117 Resp: 600413
Ion Ratio Lower Upper
117 100
82 56.9 45.3 67.9
119 32.8 25.8 38.6

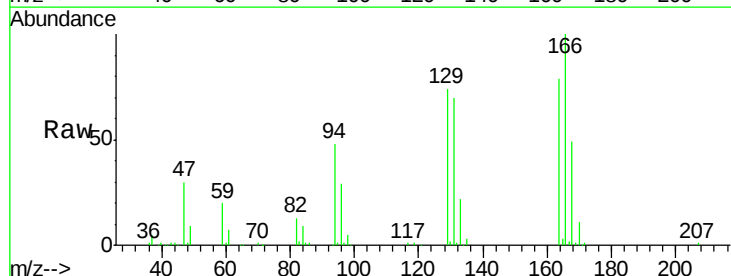


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

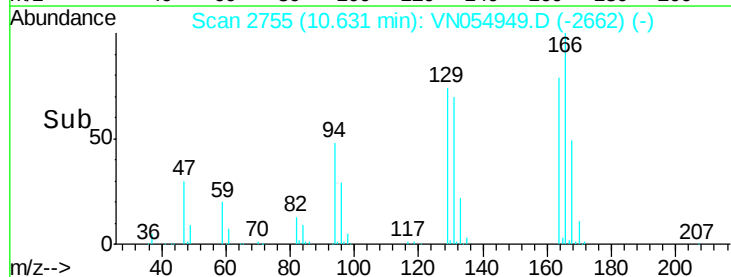
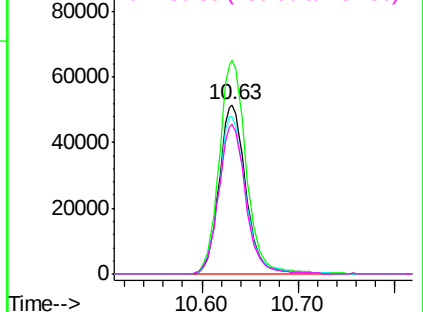


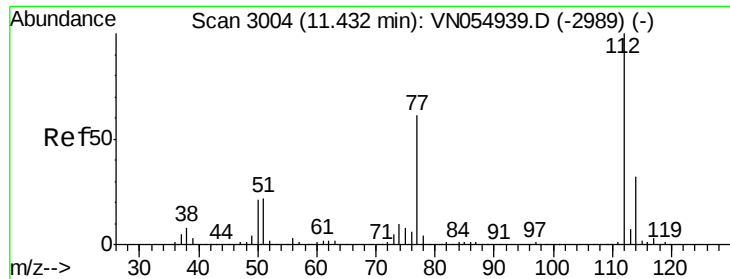
#64
Tetrachloroethene
Concen: 20.338 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Tgt Ion:164 Resp: 98486
Ion Ratio Lower Upper
164 100
166 126.3 103.1 154.7
129 93.1 73.9 110.9
131 88.6 73.0 109.4



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





#65

Chlorobenzene

Concen: 20.760 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

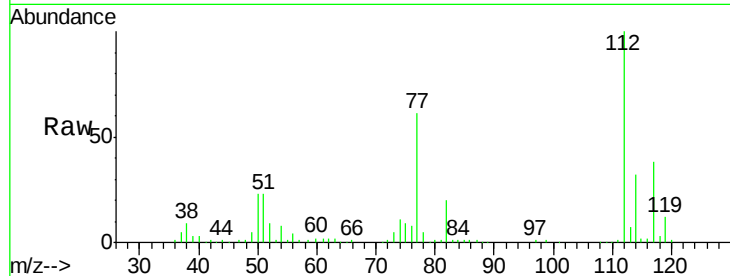
VN0404WBSD01

Tgt Ion:112 Resp: 254071

Ion Ratio Lower Upper

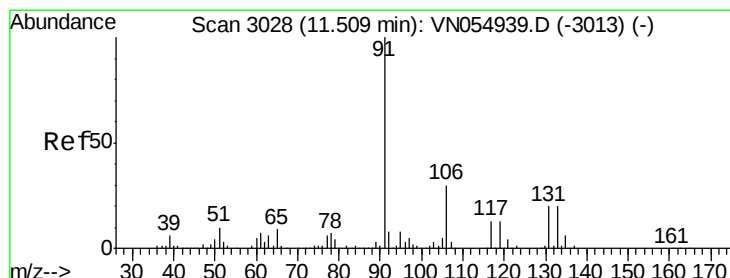
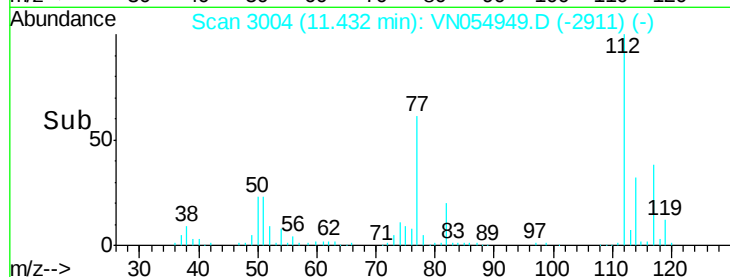
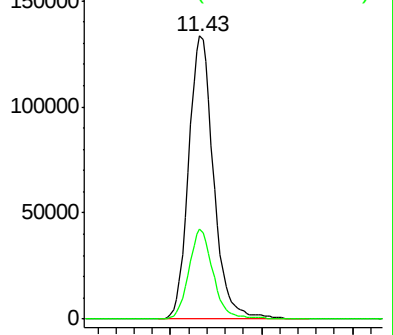
112 100

114 31.9 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.206 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

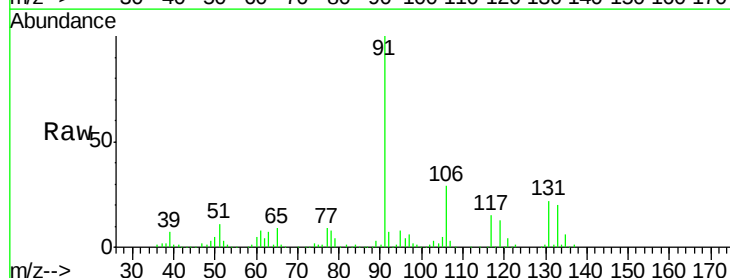
Tgt Ion:131 Resp: 95020

Ion Ratio Lower Upper

131 100

133 93.6 48.1 144.4

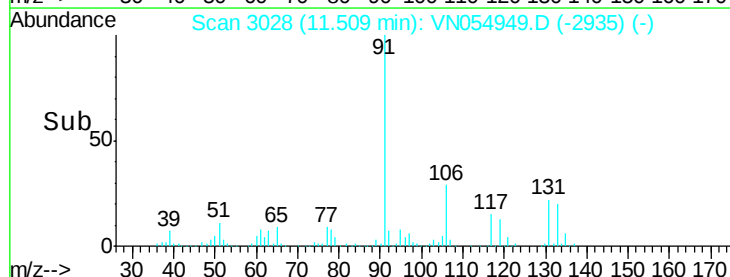
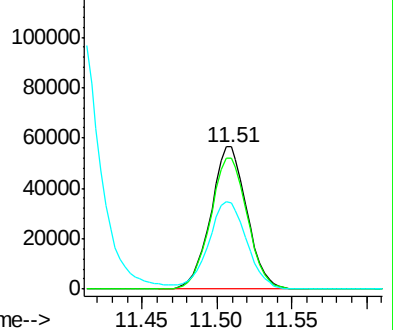
119 65.3 33.1 99.2

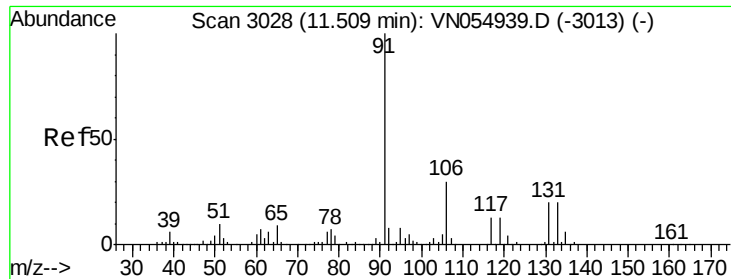


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

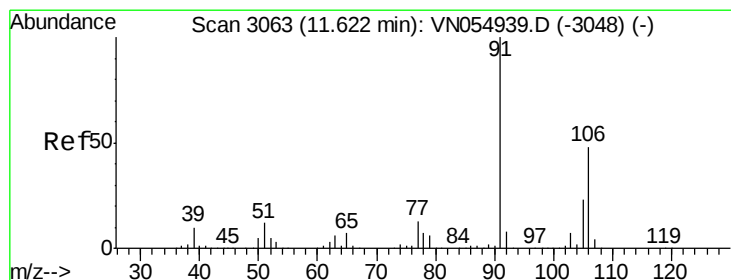
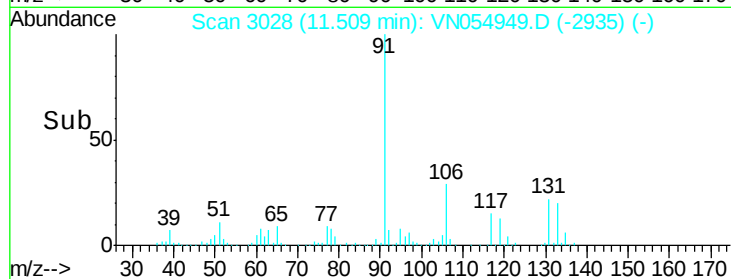
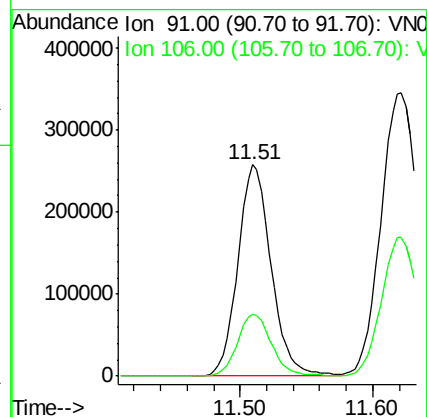
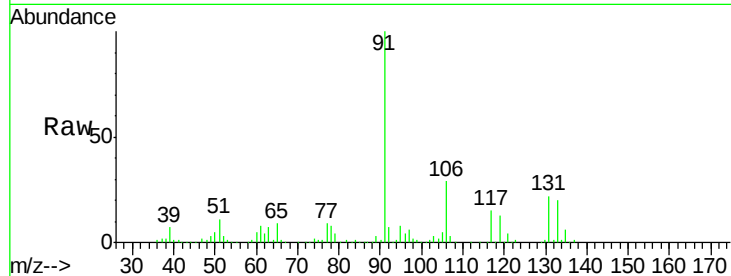




#67
Ethyl Benzene
Concen: 20.411 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

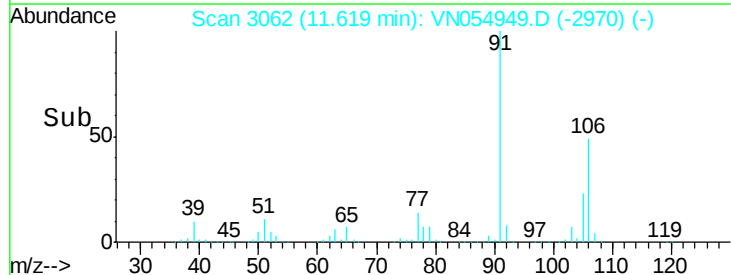
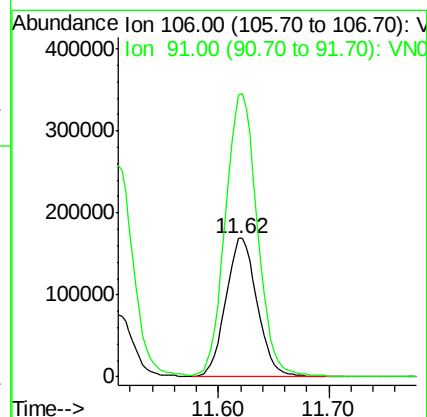
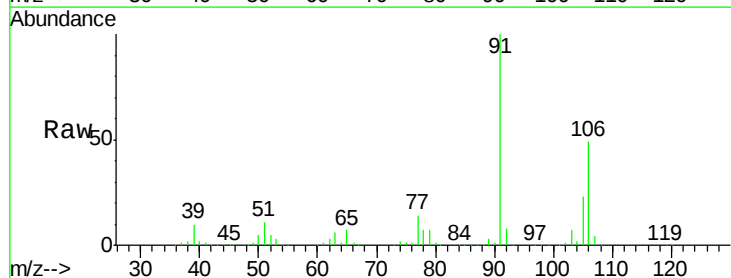
Instrument :
MSVOA_N
ClientSampleId :
VN0404WBSD01

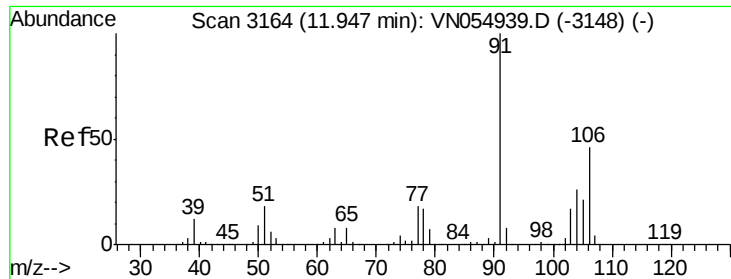
Tgt Ion: 91 Resp: 450396
Ion Ratio Lower Upper
91 100
106 29.5 24.1 36.1



#68
m/p-Xylenes
Concen: 41.408 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Tgt Ion: 106 Resp: 334015
Ion Ratio Lower Upper
106 100
91 208.6 167.4 251.2

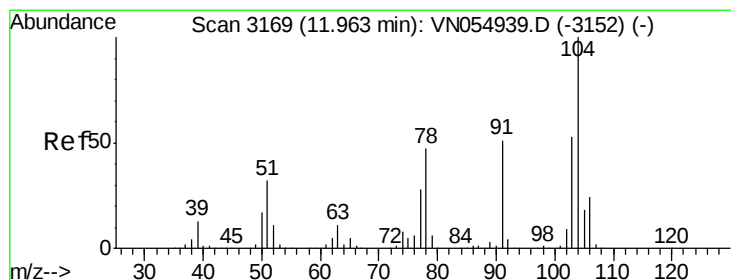
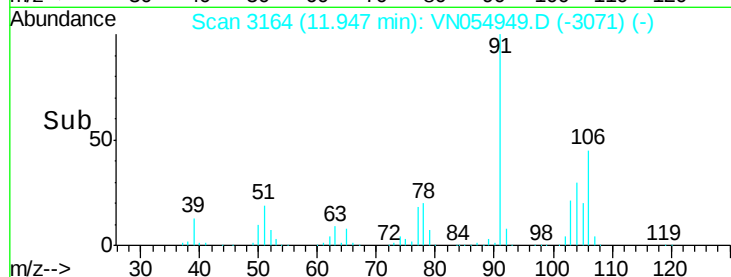
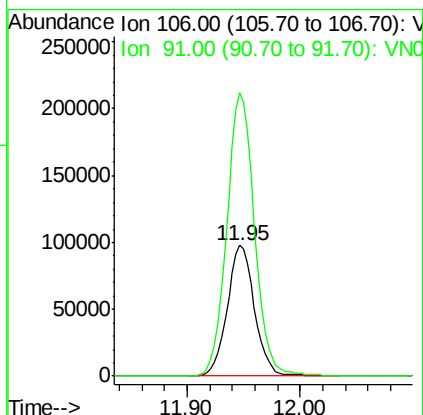
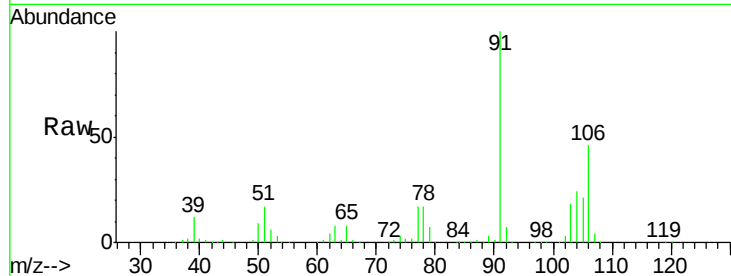




#69
o-Xylene
Concen: 20.786 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

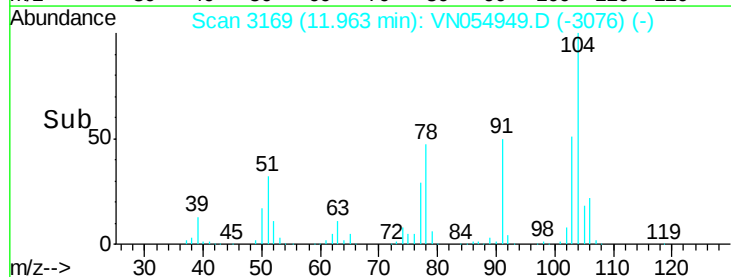
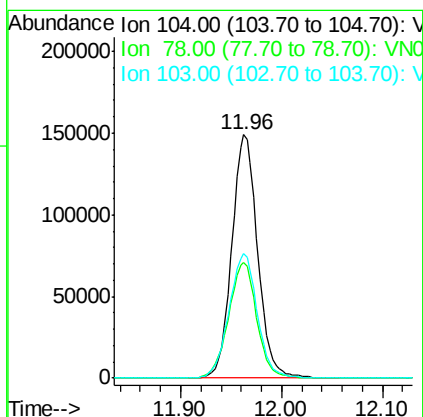
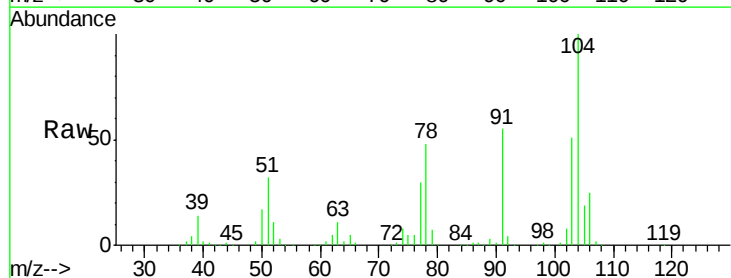
Instrument :
MSVOA_N
ClientSampleId :
VN0404WBSD01

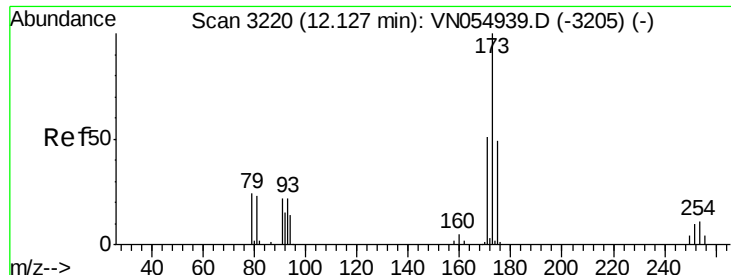
Tgt Ion:106 Resp: 163543
Ion Ratio Lower Upper
106 100
91 220.0 109.9 329.7



#70
Styrene
Concen: 21.042 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Tgt Ion:104 Resp: 265563
Ion Ratio Lower Upper
104 100
78 52.0 41.1 61.7
103 56.2 45.0 67.4

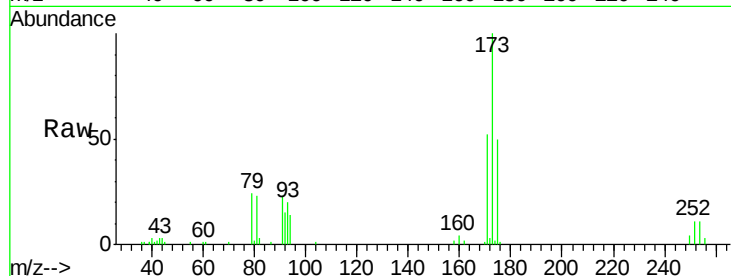




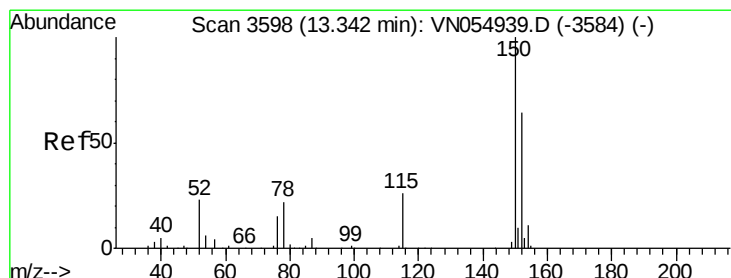
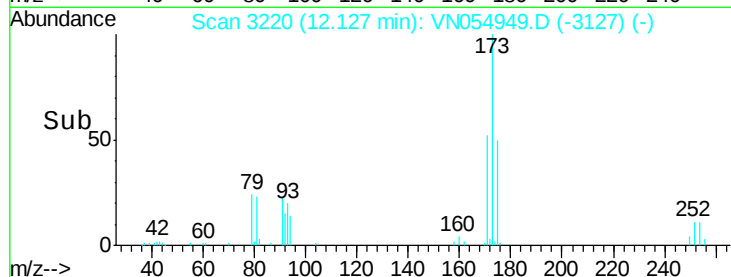
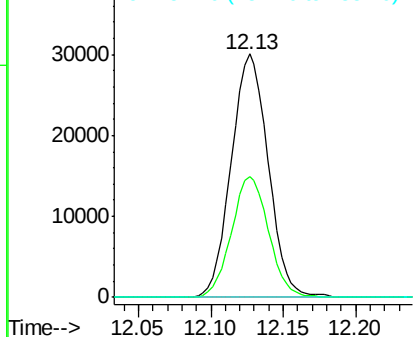
#71
Bromoform
Concen: 19.802 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Instrument :
MSVOA_N
ClientSampleId :
VN0404WBSD01

Tgt Ion:173 Resp: 53333
Ion Ratio Lower Upper
173 100
175 49.5 24.1 72.4
254 0.0 0.0 0.0

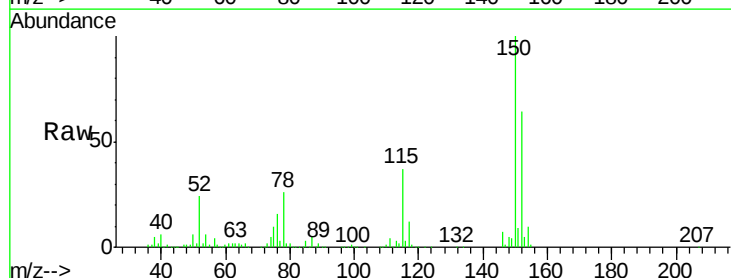


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

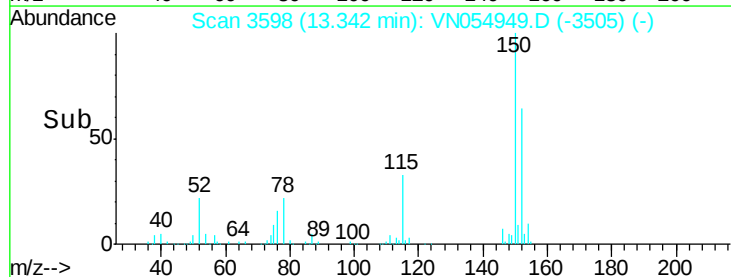
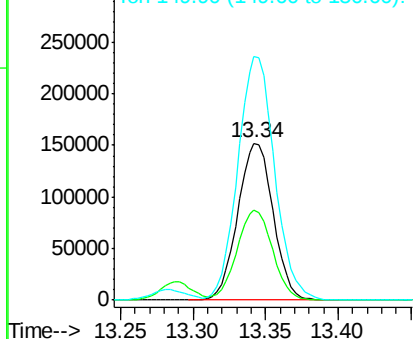


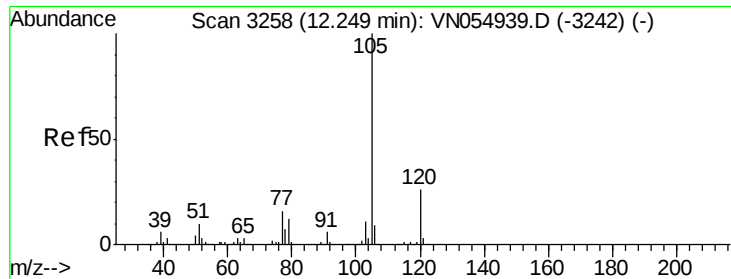
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Tgt Ion:152 Resp: 258377
Ion Ratio Lower Upper
152 100
115 57.4 28.9 86.8
150 161.5 0.0 345.4



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





#73

Isopropylbenzene

Concen: 19.757 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

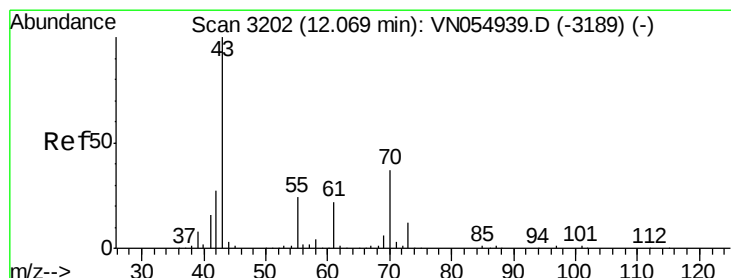
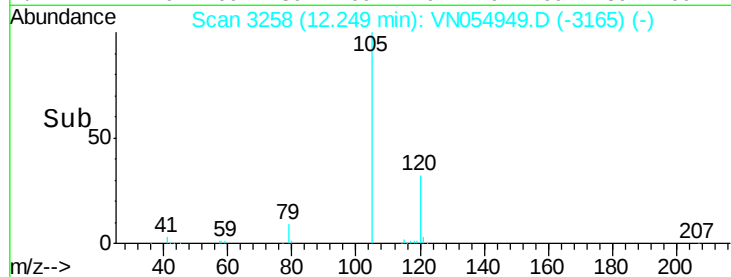
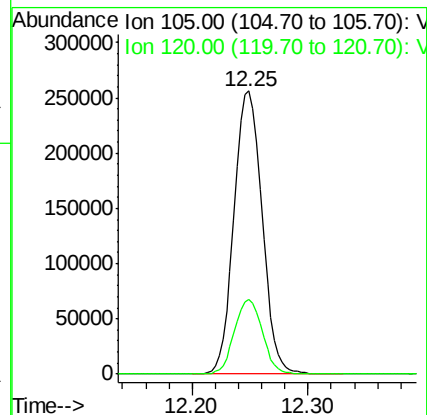
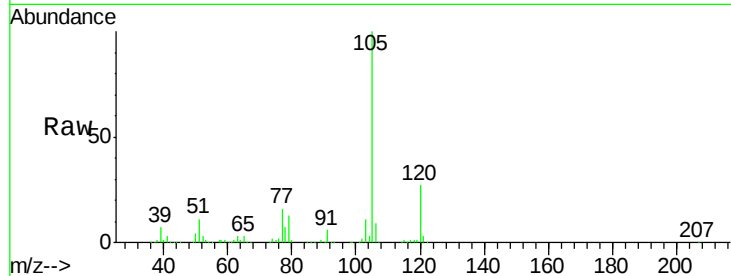
VN0404WBSD01

Tgt Ion: 105 Resp: 431213

Ion Ratio Lower Upper

105 100

120 26.4 13.0 39.0



#74

N-ethyl acetate

Concen: 21.292 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Tgt Ion: 43 Resp: 129173

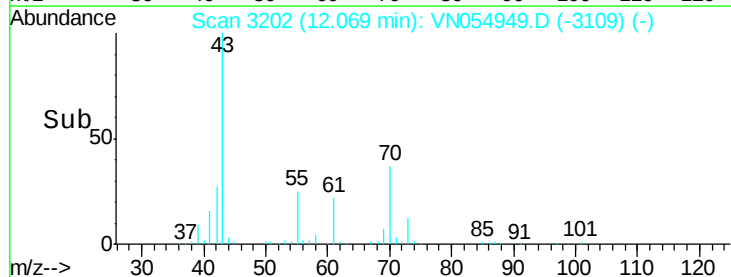
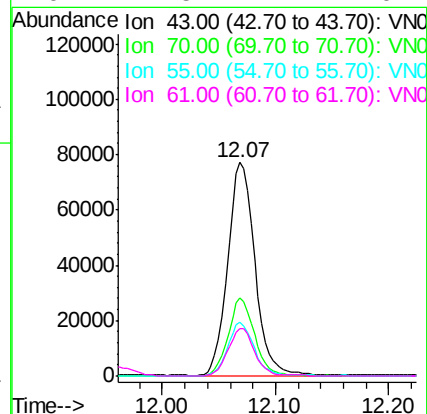
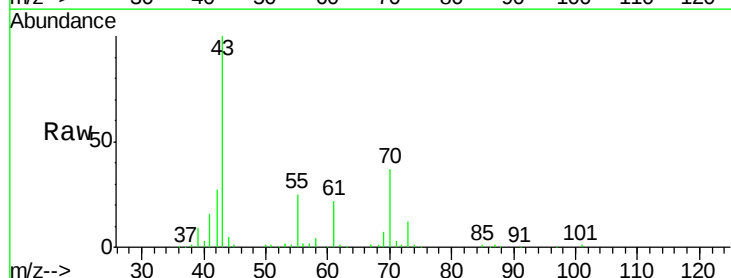
Ion Ratio Lower Upper

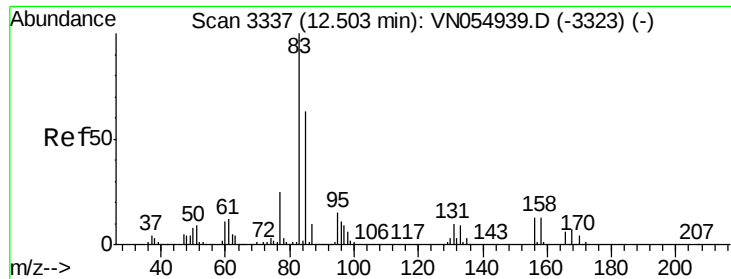
43 100

70 35.5 29.3 43.9

55 24.2 19.2 28.8

61 21.5 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.903 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBSD01

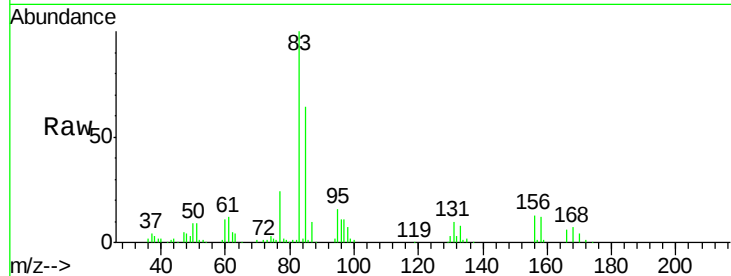
Tgt Ion: 83 Resp: 106650

Ion Ratio Lower Upper

83 100

131 10.6 5.0 15.0

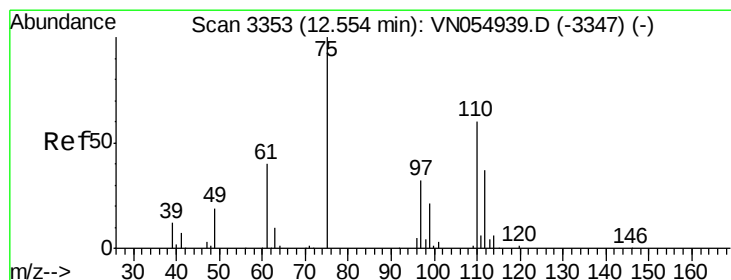
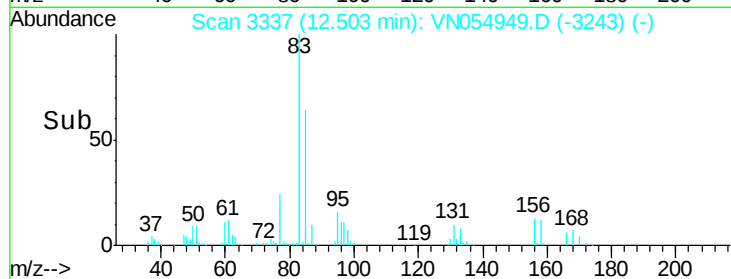
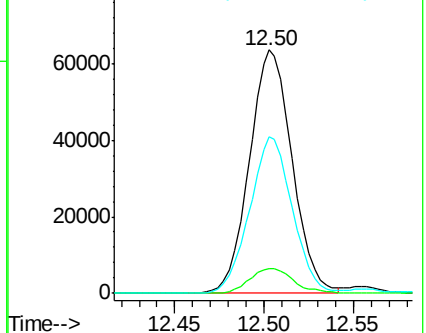
85 63.9 31.4 94.0



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: 29.597 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054949.D

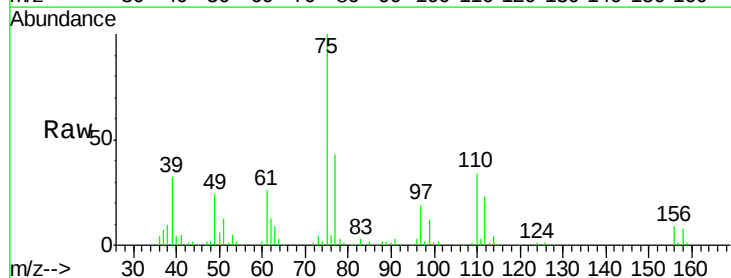
Acq: 4 Apr 2019 15:59

Tgt Ion: 75 Resp: 123708

Ion Ratio Lower Upper

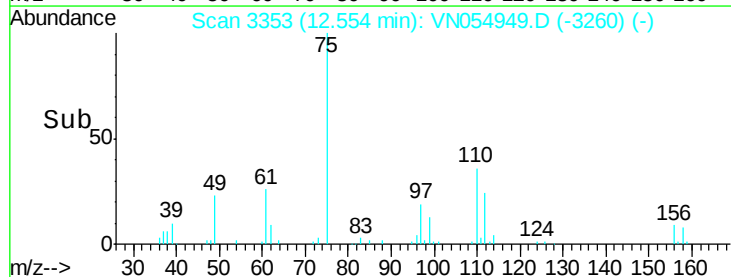
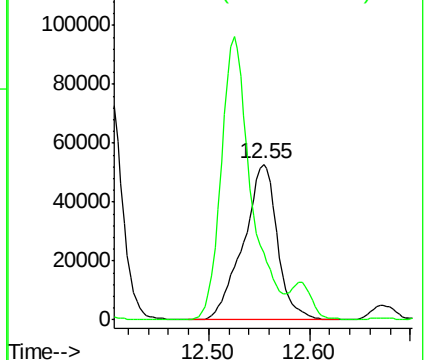
75 100

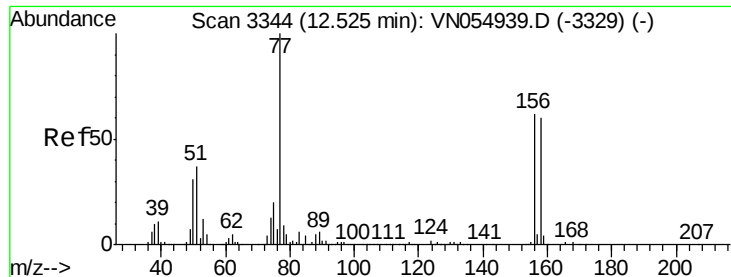
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.811 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBSD01

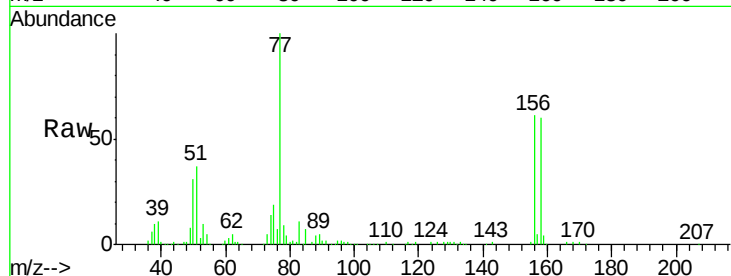
Tgt Ion:156 Resp: 104718

Ion Ratio Lower Upper

156 100

77 189.7 93.1 279.3

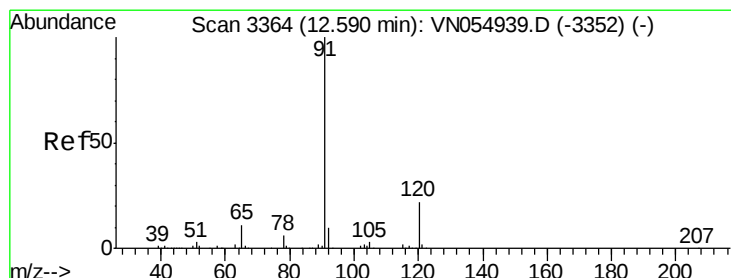
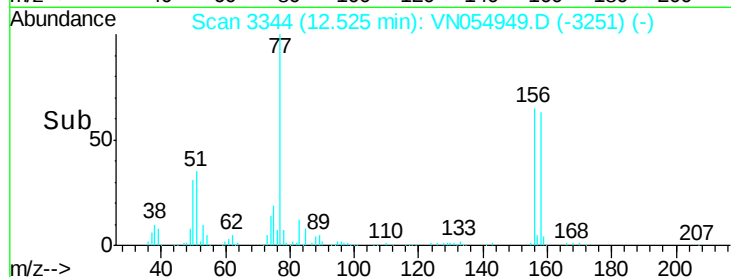
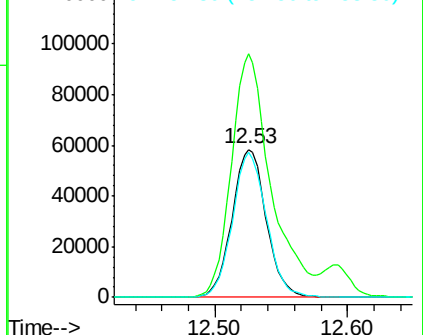
158 97.2 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.958 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054949.D

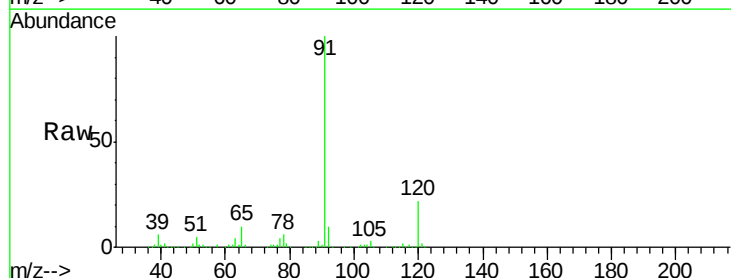
Acq: 4 Apr 2019 15:59

Tgt Ion: 91 Resp: 479918

Ion Ratio Lower Upper

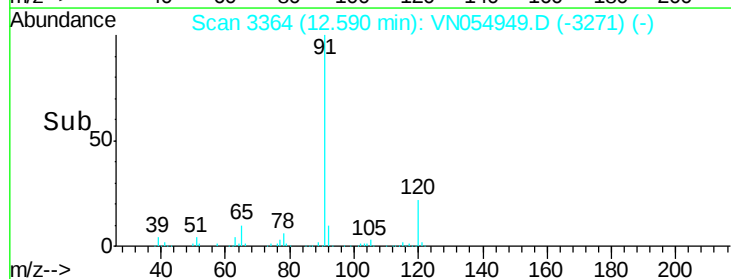
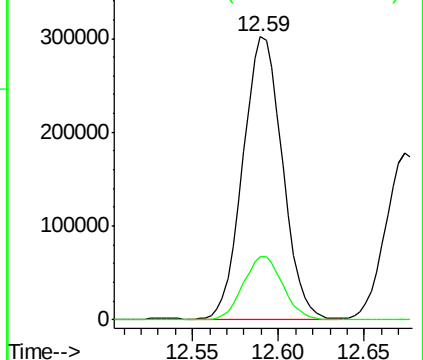
91 100

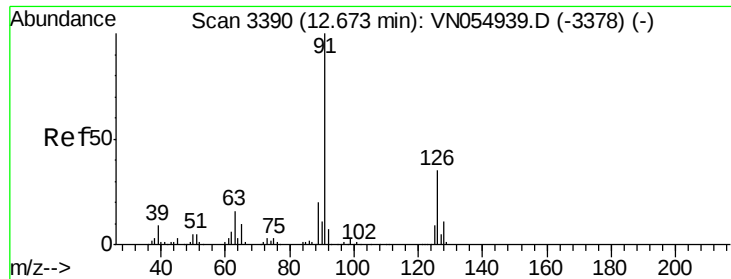
120 22.6 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.648 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

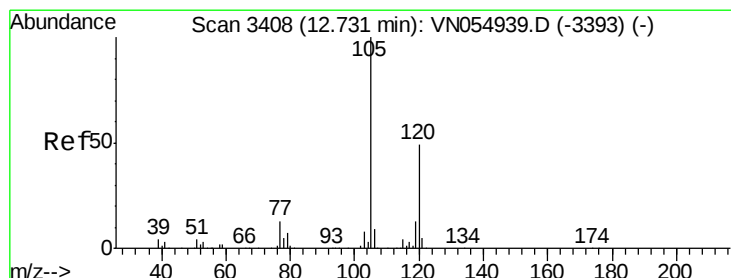
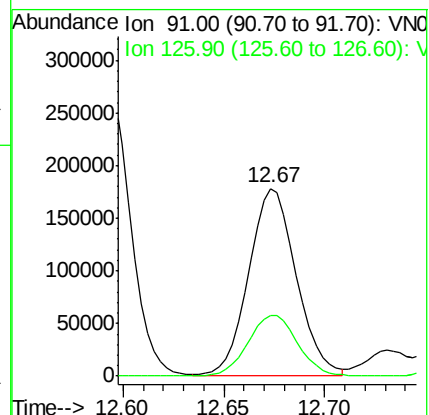
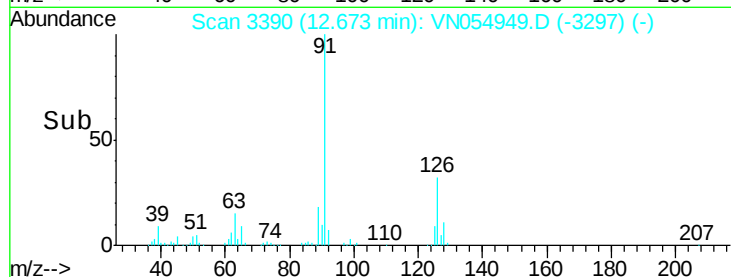
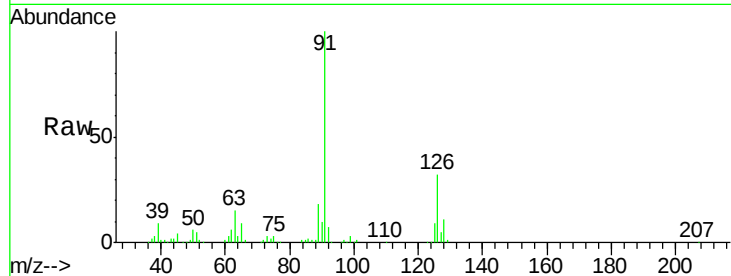
VN0404WBSD01

Tgt Ion: 91 Resp: 292809

Ion Ratio Lower Upper

91 100

126 34.1 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 20.104 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054949.D

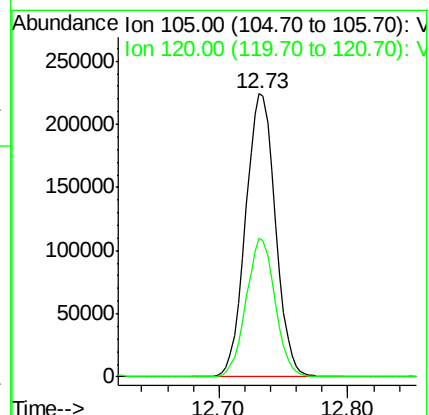
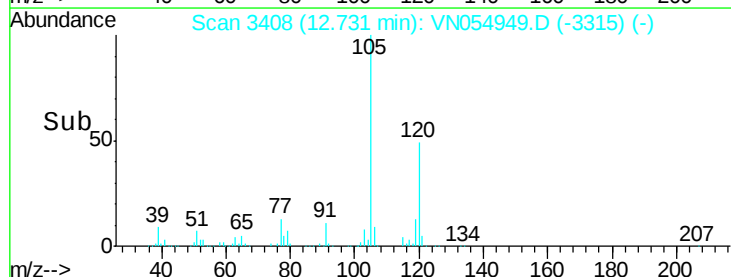
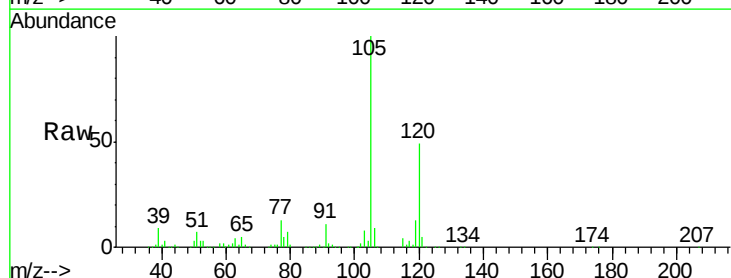
Acq: 4 Apr 2019 15:59

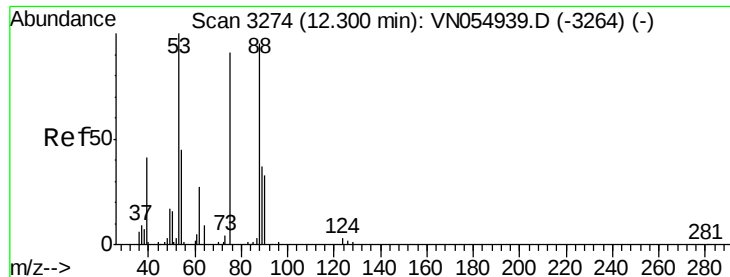
Tgt Ion: 105 Resp: 360360

Ion Ratio Lower Upper

105 100

120 47.7 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 19.620 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBSD01

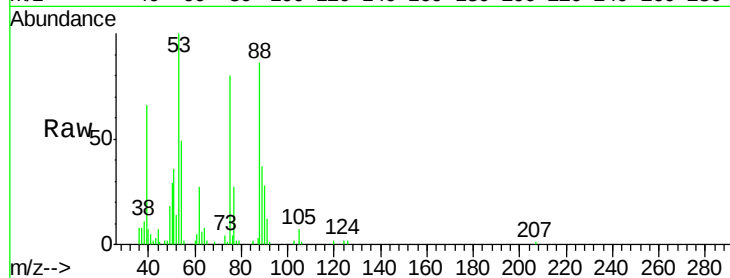
Tgt Ion: 75 Resp: 21946

Ion Ratio Lower Upper

75 100

53 117.7 92.8 139.2

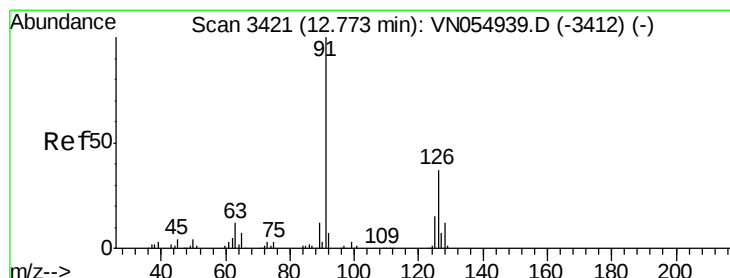
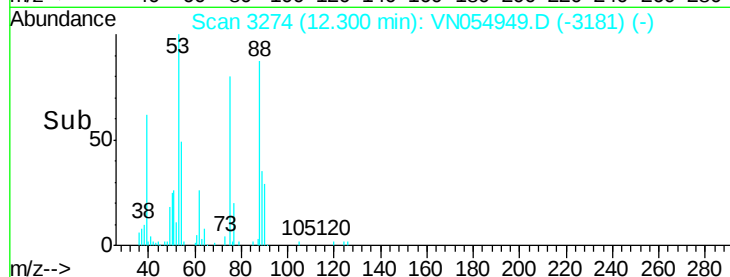
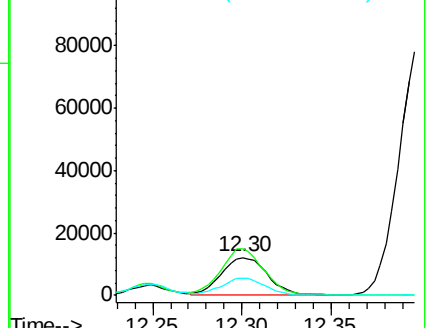
89 42.9 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.313 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054949.D

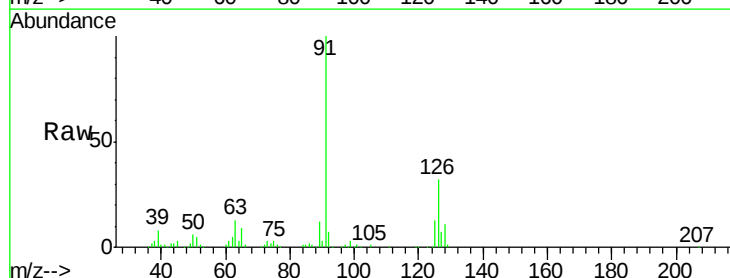
Acq: 4 Apr 2019 15:59

Tgt Ion: 91 Resp: 286330

Ion Ratio Lower Upper

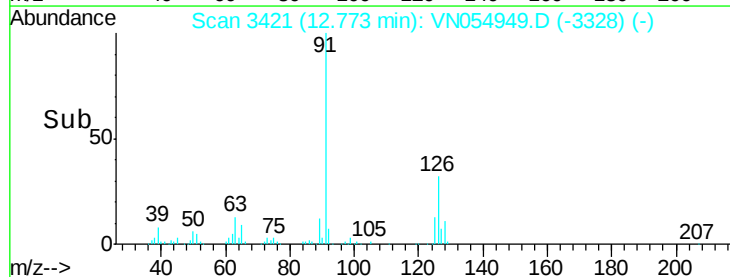
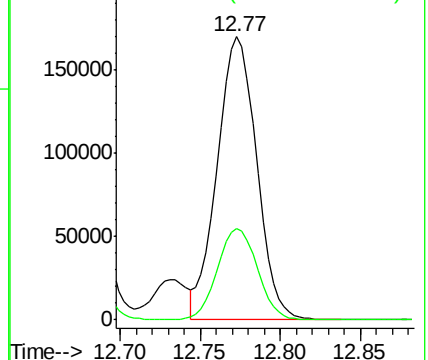
91 100

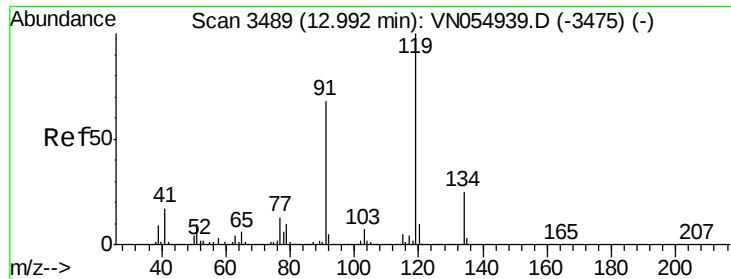
126 32.9 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

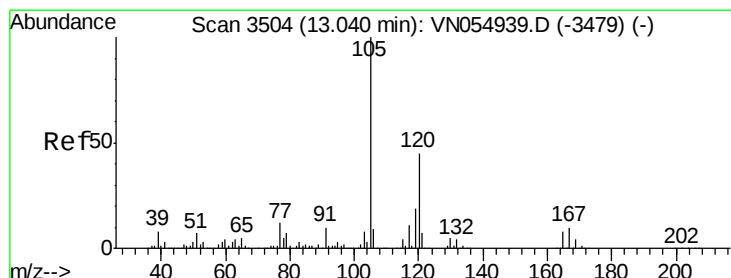
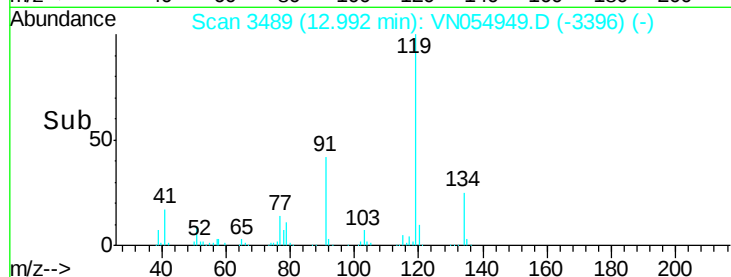
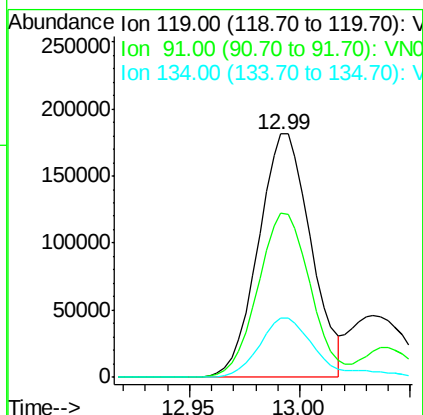
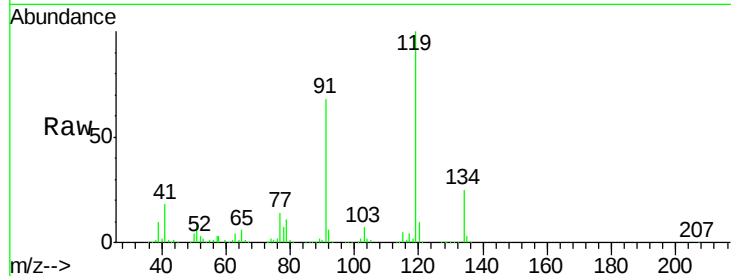




#83
 tert-Butylbenzene
 Concen: 19.618 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

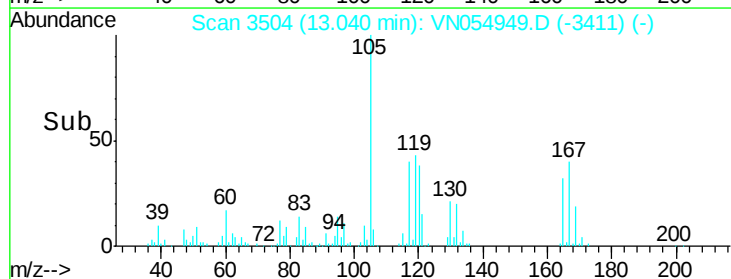
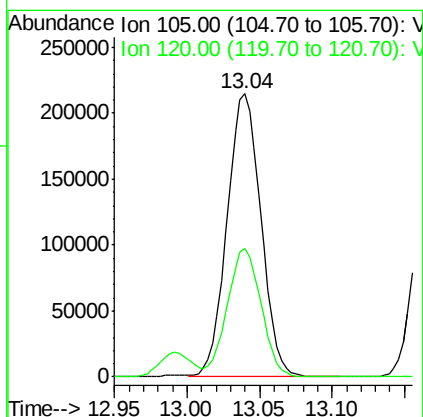
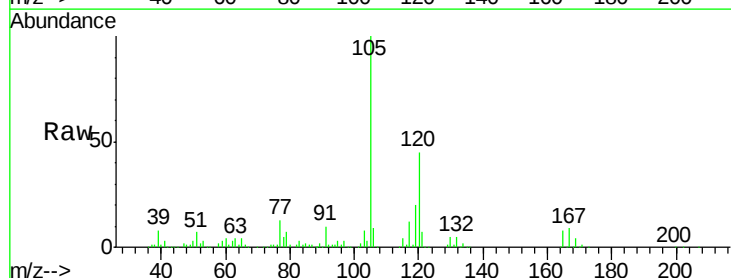
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBSD01

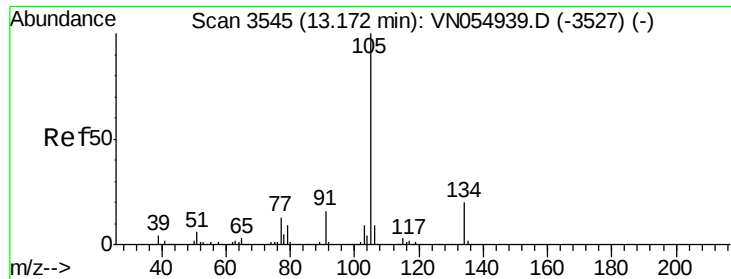
Tgt Ion:119 Resp: 299141
 Ion Ratio Lower Upper
 119 100
 91 67.3 33.5 100.5
 134 26.8 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.105 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Tgt Ion:105 Resp: 348674
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.4 67.3

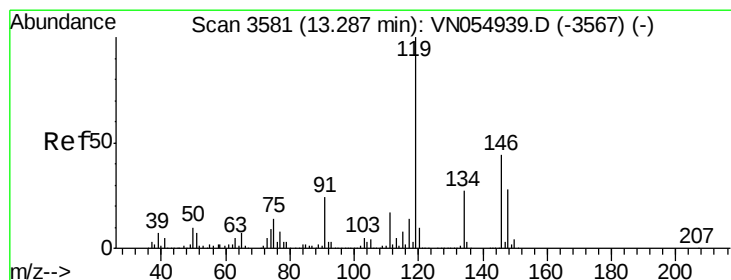
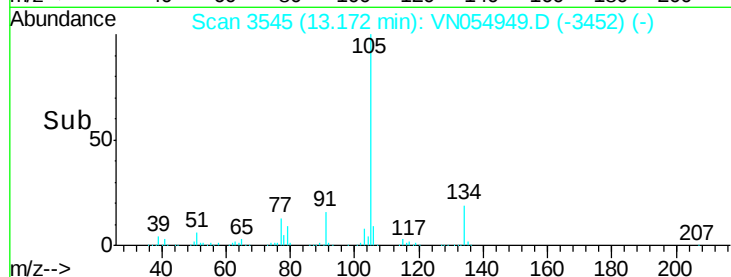
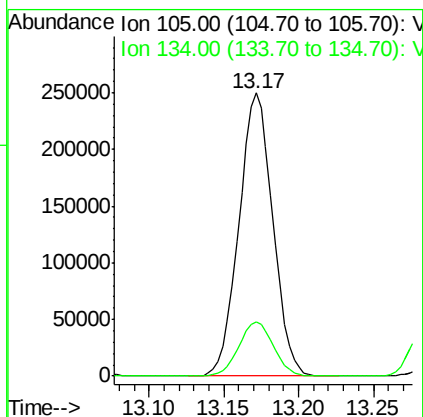
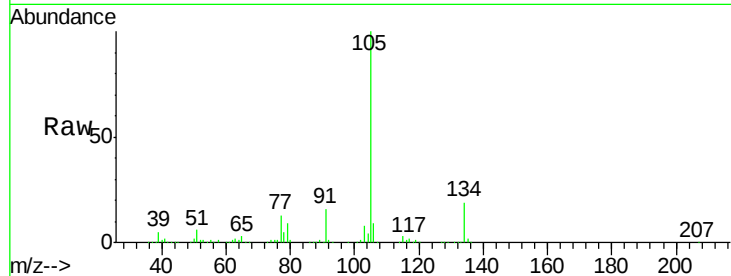




#85
 sec-Butylbenzene
 Concen: 19.955 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

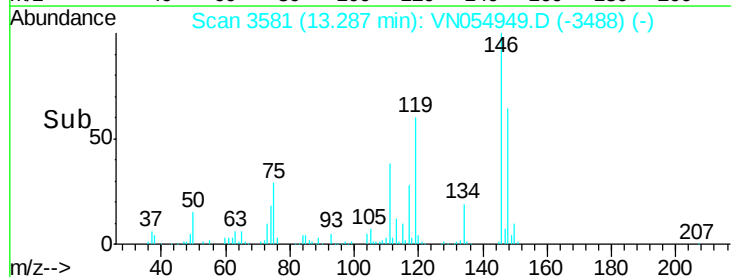
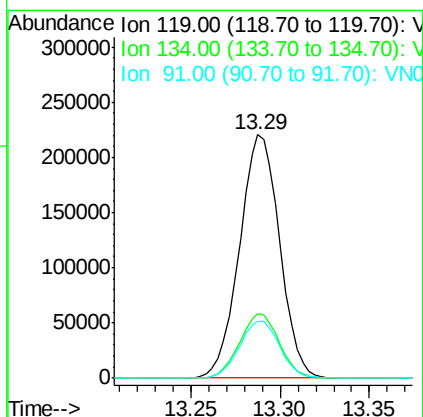
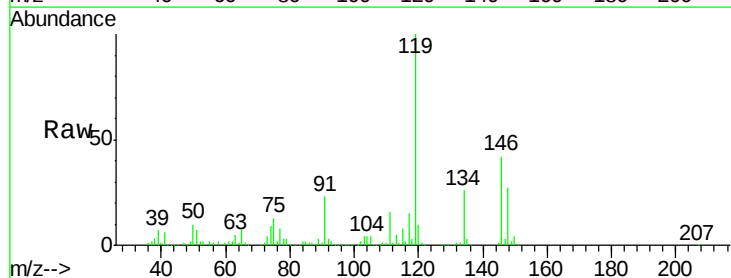
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBSD01

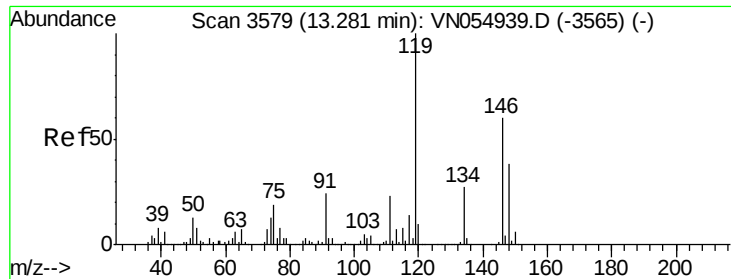
Tgt Ion:105 Resp: 393567
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 20.213 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Tgt Ion:119 Resp: 343490
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.5 40.5
 91 23.9 11.9 35.7

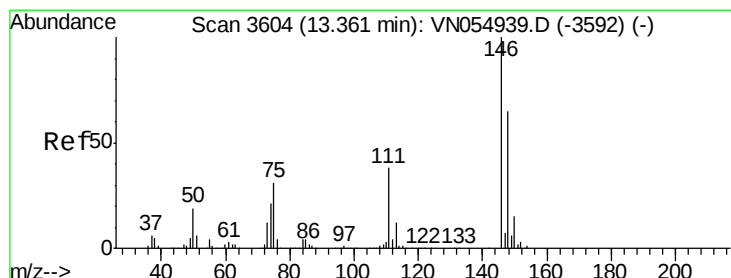
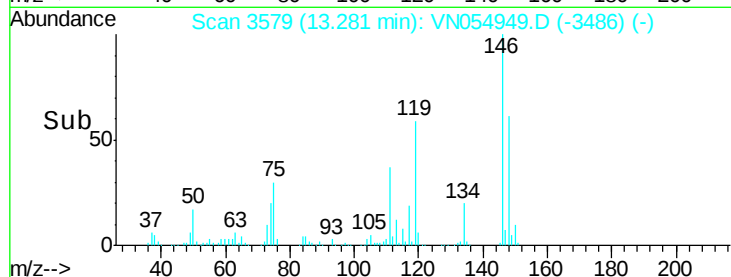
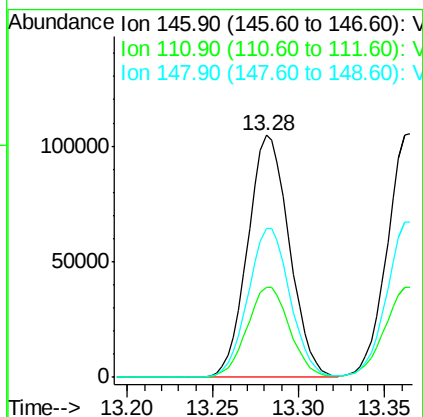
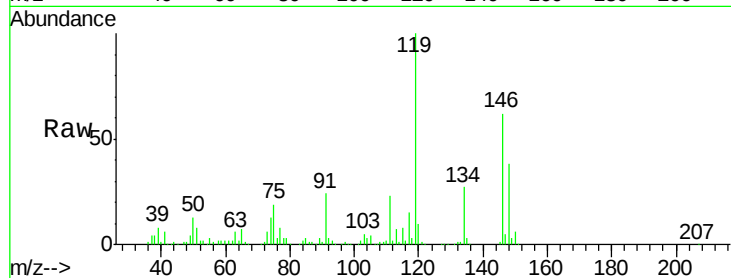




#87
 1,3-Dichlorobenzene
 Concen: 20.020 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

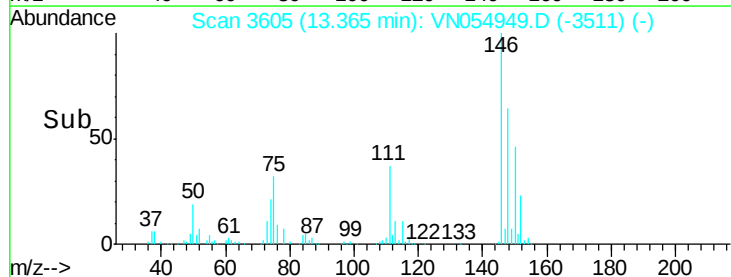
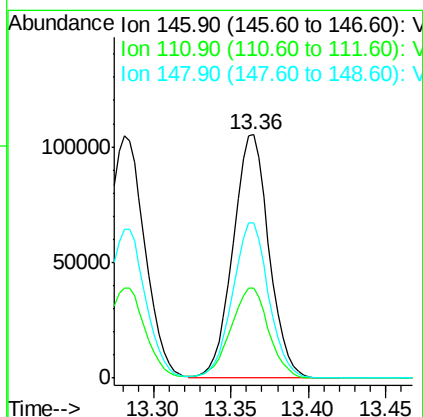
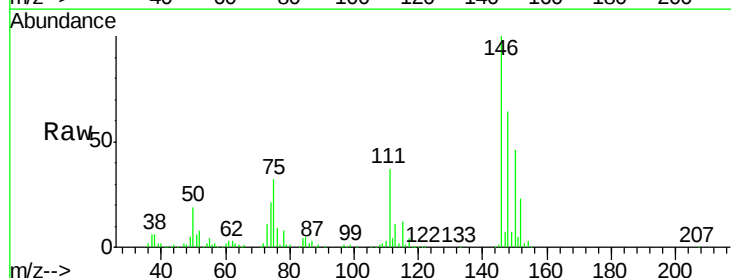
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBSD01

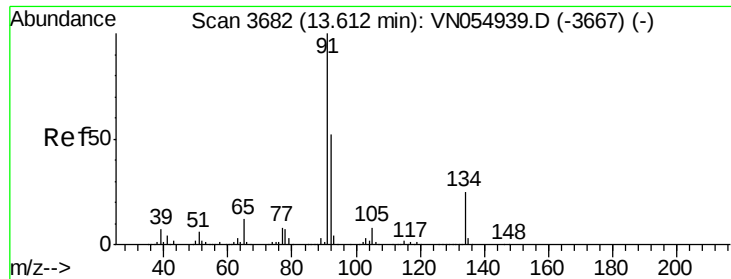
Tgt Ion:146 Resp: 176027
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.6 58.7
 148 62.2 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 20.293 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Tgt Ion:146 Resp: 169859
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.2 57.6
 148 64.2 31.9 95.7





#89

n-Butylbenzene

Concen: 19.623 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBSD01

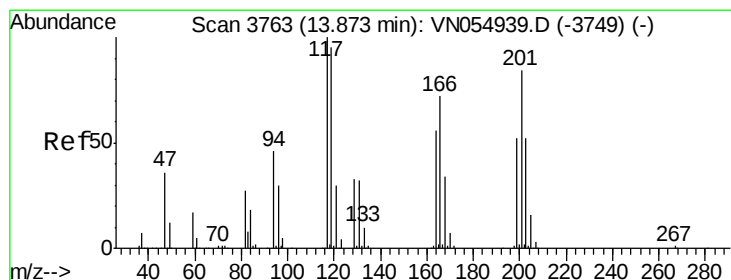
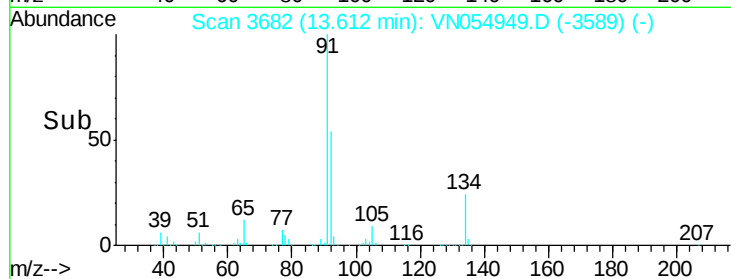
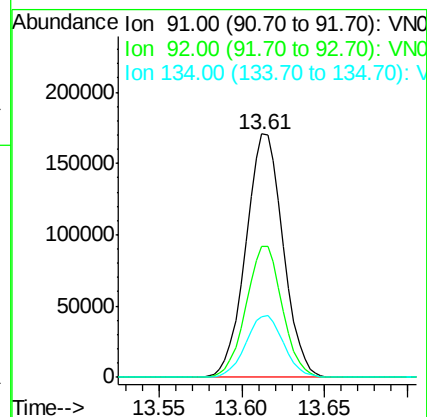
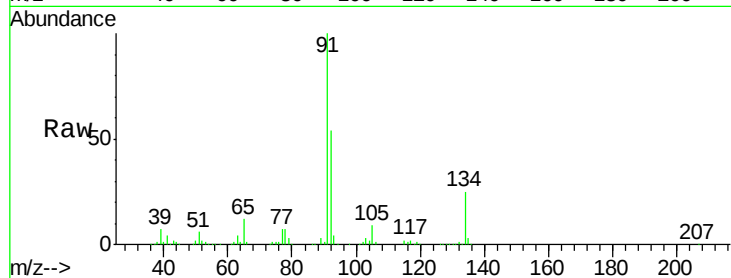
Tgt Ion: 91 Resp: 266498

Ion Ratio Lower Upper

91 100

92 52.4 26.1 78.2

134 25.7 12.6 37.8



#90

Hexachloroethane

Concen: 19.654 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054949.D

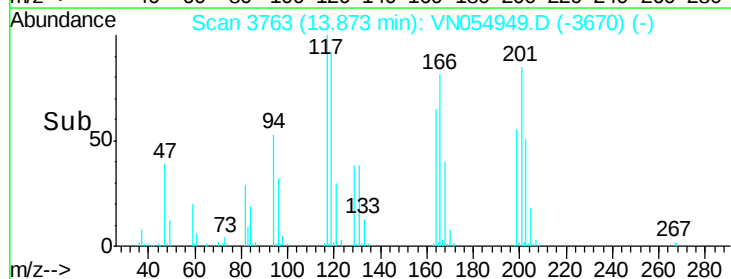
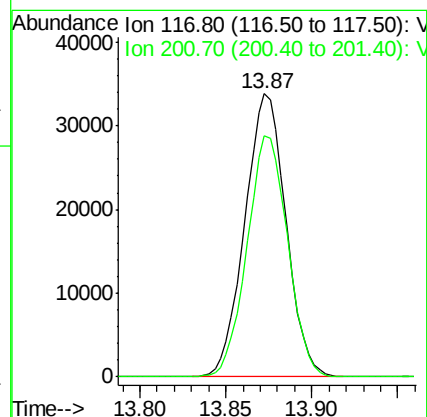
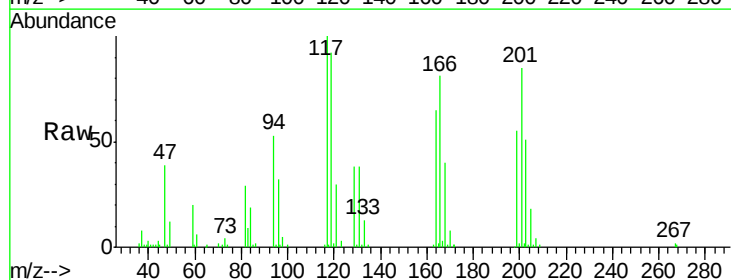
Acq: 4 Apr 2019 15:59

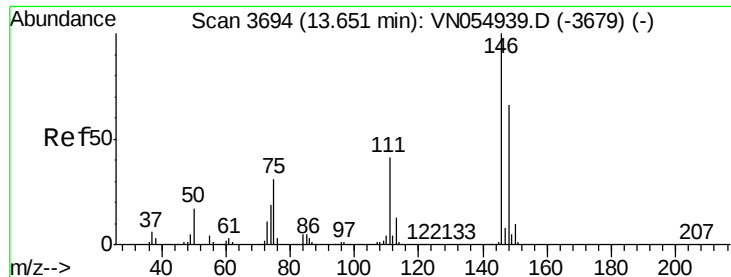
Tgt Ion: 117 Resp: 56103

Ion Ratio Lower Upper

117 100

201 83.9 42.5 127.6

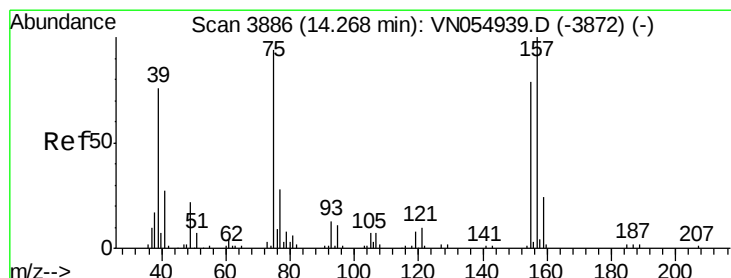
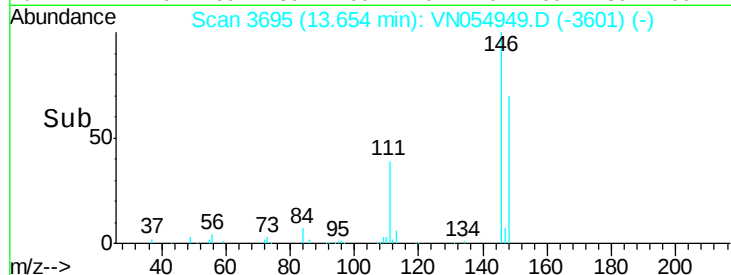
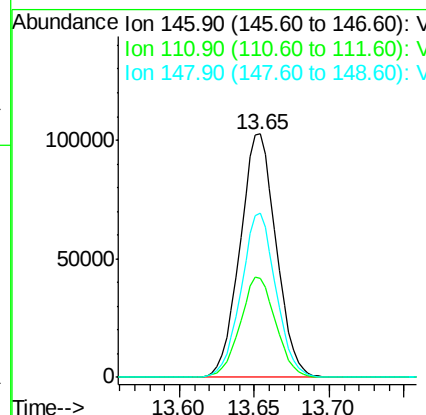
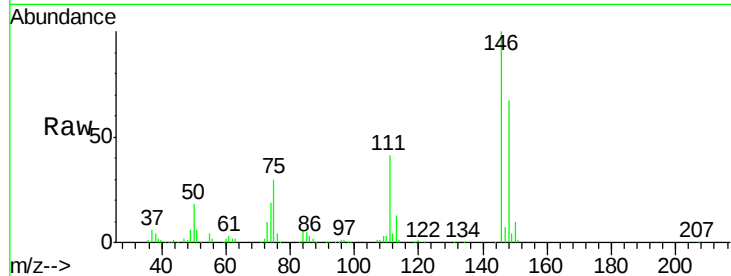




#91
 1,2-Dichlorobenzene
 Concen: 19.976 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

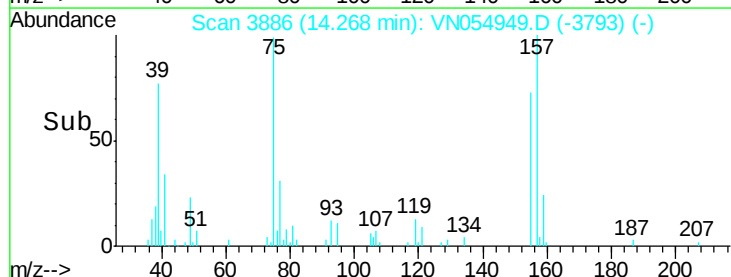
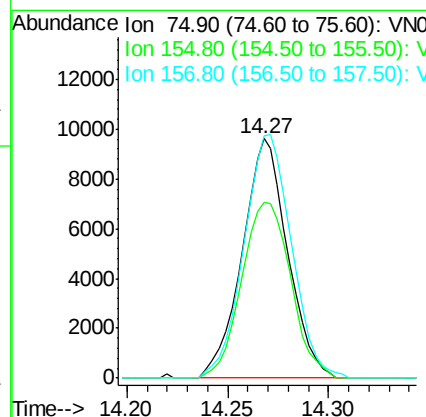
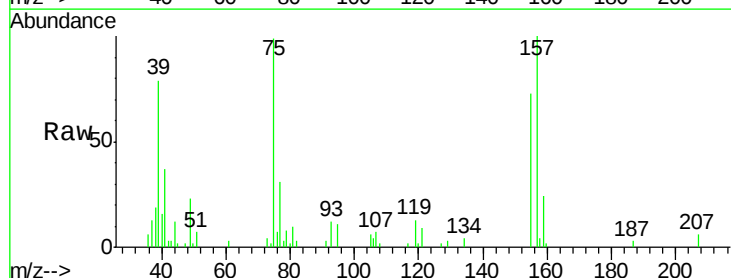
Instrument :
 MSVOA_N
 ClientSampled :
 VN0404WBSD01

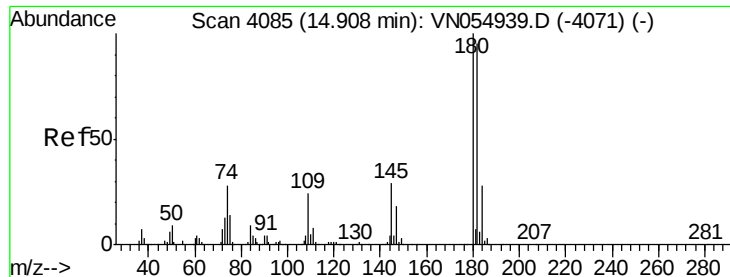
Tgt Ion:146 Resp: 172451
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.2 60.5
 148 64.9 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.269 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Tgt Ion: 75 Resp: 15143
 Ion Ratio Lower Upper
 75 100
 155 79.3 41.5 124.6
 157 106.8 54.4 163.2

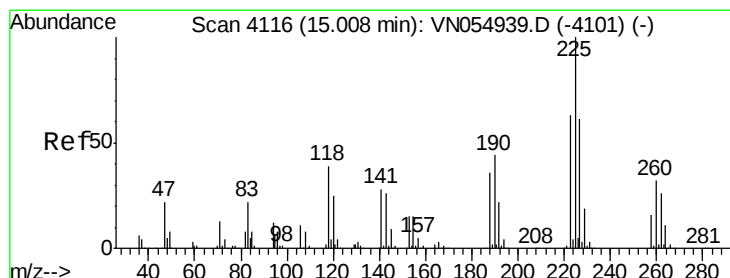
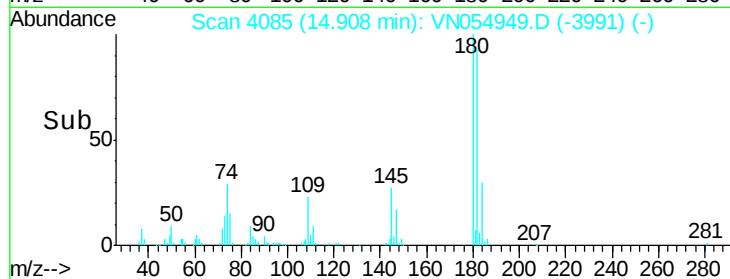
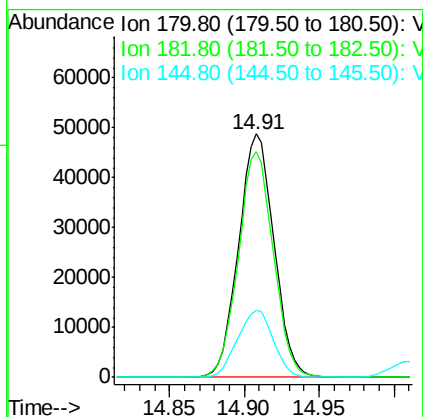
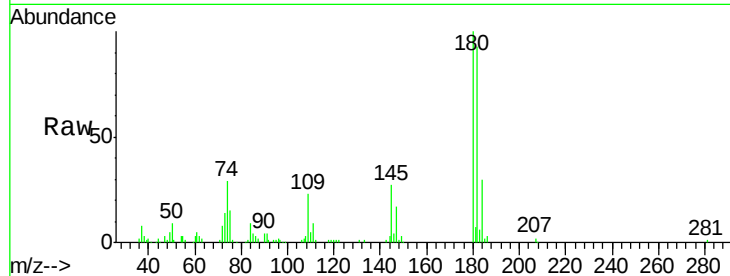




#93
 1,2,4-Trichlorobenzene
 Concen: 19.373 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

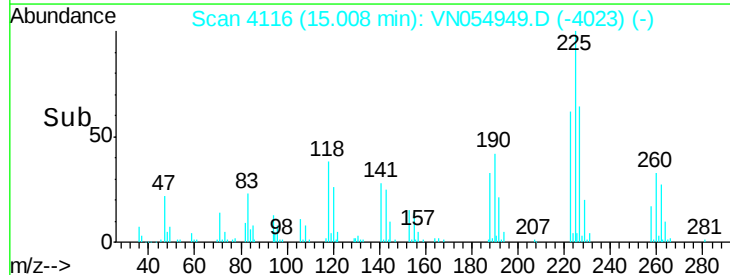
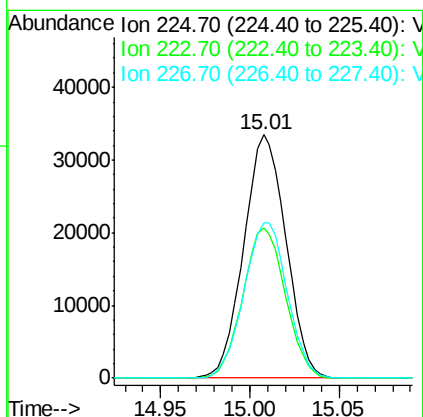
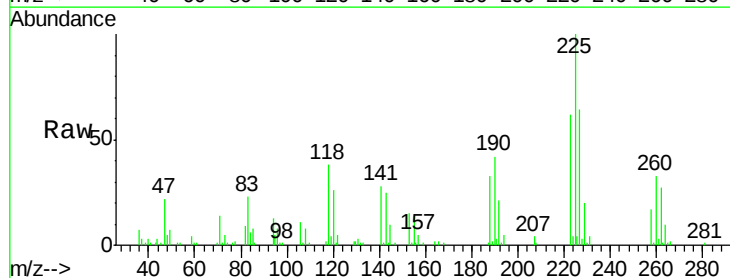
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBSD01

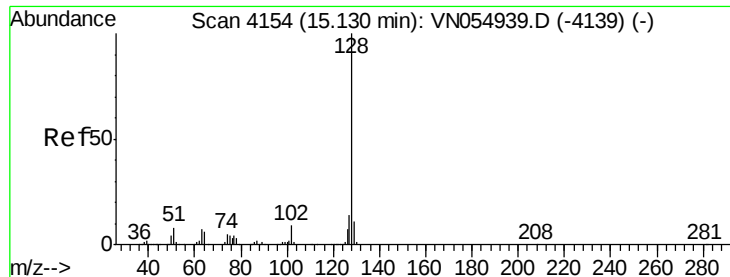
Tgt Ion:180 Resp: 80229
 Ion Ratio Lower Upper
 180 100
 182 91.9 47.5 142.6
 145 27.8 14.6 43.8



#94
 Hexachlorobutadiene
 Concen: 19.129 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Tgt Ion:225 Resp: 55245
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.1 93.5
 227 65.4 30.9 92.5





#95

Naphthalene

Concen: 18.934 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBSD01

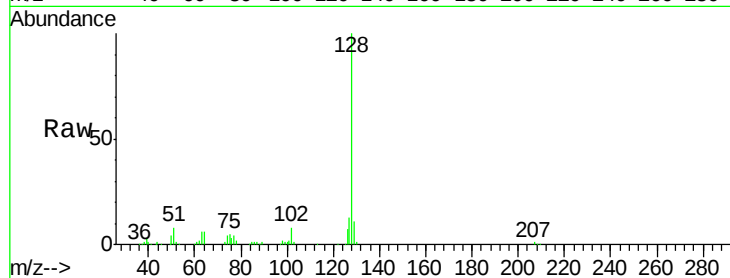
Tgt Ion:128 Resp: 166686

Ion Ratio Lower Upper

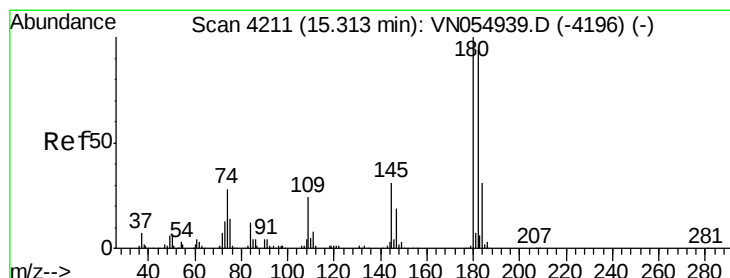
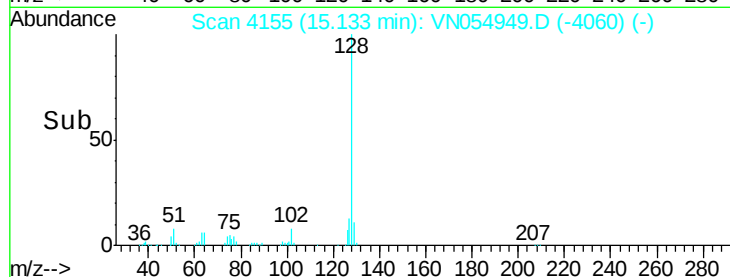
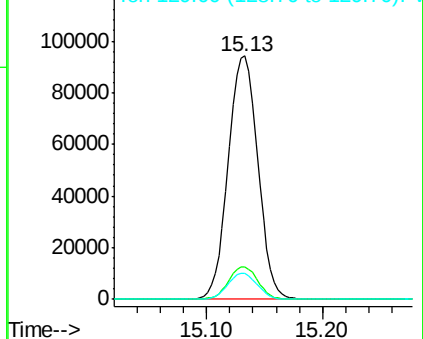
128 100

127 13.3 10.6 16.0

129 10.7 8.6 13.0



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: 19.756 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

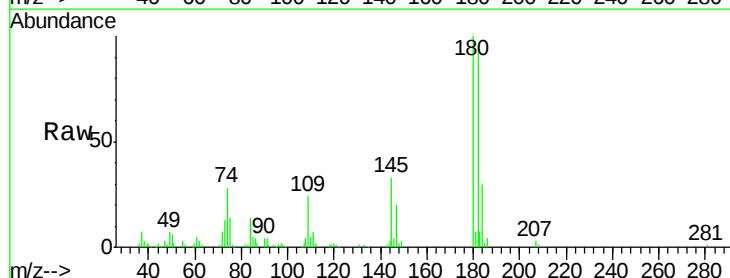
Tgt Ion:180 Resp: 78320

Ion Ratio Lower Upper

180 100

182 97.6 47.5 142.5

145 31.8 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

