

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040519\
 Data File : VN054968.D
 Acq On : 5 Apr 2019 12:12
 Operator : JC/SP
 Sample : VN0405WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 05 23:32:08 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	421422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	706734	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	616679	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	253754	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	294418	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	
35) Dibromofluoromethane	7.59	113	239118	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	
50) Toluene-d8	10.09	98	894815	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
62) 4-Bromofluorobenzene	12.40	95	288336	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	106369	21.108	ug/l 99
3) Chloromethane	2.06	50	135939	20.403	ug/l 100
4) Vinyl Chloride	2.19	62	117438	20.174	ug/l 99
5) Bromomethane	2.58	94	65446	19.695	ug/l 99
6) Chloroethane	2.71	64	63956	19.699	ug/l 99
7) Trichlorofluoromethane	3.02	101	144155	20.395	ug/l 98
8) Diethyl Ether	3.42	74	46383	20.605	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	75996	20.294	ug/l 99
10) Methyl Iodide	3.95	142	107009	20.272	ug/l # 96
11) Tert butyl alcohol	4.82	59	28865	100.671	ug/l 100
12) 1,1-Dichloroethene	3.73	96	73754	19.855	ug/l 94
13) Acrolein	3.61	56	40484	95.787	ug/l 100
14) Allyl chloride	4.32	41	170851	20.723	ug/l 99
15) Acrylonitrile	5.00	53	174033	101.217	ug/l 99
16) Acetone	3.82	43	132875	80.847	ug/l 100
17) Carbon Disulfide	4.05	76	232032	19.623	ug/l 99
18) Methyl Acetate	4.33	43	76360	20.187	ug/l 99
19) Methyl tert-butyl Ether	5.05	73	241581	20.050	ug/l 99
20) Methylene Chloride	4.55	84	102579	19.892	ug/l 98
21) trans-1,2-Dichloroethene	5.04	96	95025	20.482	ug/l 98
22) Diisopropyl ether	5.96	45	353451	20.874	ug/l 99
23) Vinyl Acetate	5.90	43	1203332	102.131	ug/l 99
24) 1,1-Dichloroethane	5.85	63	189893	20.565	ug/l 100
25) 2-Butanone	6.85	43	213938	102.541	ug/l 98
26) 2,2-Dichloropropane	6.82	77	127767	19.738	ug/l 99
27) cis-1,2-Dichloroethene	6.83	96	107716	20.467	ug/l 99
28) Bromochloromethane	7.19	49	84728	19.587	ug/l 98
29) Tetrahydrofuran	7.22	42	138134	101.011	ug/l 99
30) Chloroform	7.37	83	181593	20.751	ug/l 99
31) Cyclohexane	7.65	56	183289	20.009	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	150072	20.322	ug/l 99
36) 1,1-Dichloropropene	7.79	75	133748	19.100	ug/l 99
37) Ethyl Acetate	6.94	43	85173	17.724	ug/l 97
38) Carbon Tetrachloride	7.77	117	127924	18.916	ug/l 93

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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	153332	19.903	ug/l	99
40) Benzene	8.04	78	405195	20.109	ug/l	97
41) Methacrylonitrile	7.18	41	52326	19.043	ug/l	95
42) 1,2-Dichloroethane	8.13	62	138826	19.607	ug/l	98
43) Isopropyl Acetate	8.17	43	158486	19.568	ug/l	99
44) Trichloroethene	8.84	130	102734	19.940	ug/l	99
45) 1,2-Dichloropropane	9.12	63	114006	20.306	ug/l	97
46) Dibromomethane	9.21	93	62688	19.690	ug/l	99
47) Bromodichloromethane	9.40	83	133488	19.962	ug/l	99
48) Methyl methacrylate	9.20	41	80984	19.752	ug/l	96
49) 1,4-Dioxane	9.20	88	17050	412.009	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	450076	99.615	ug/l	99
52) Toluene	10.16	92	241426	20.327	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	120325	18.721	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	151401	20.116	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	85481	19.851	ug/l	98
56) Ethyl methacrylate	10.43	69	108459	19.264	ug/l	98
57) 1,3-Dichloropropane	10.71	76	148891	19.798	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	206469	89.156	ug/l	100
59) 2-Hexanone	10.75	43	278549	98.702	ug/l	100
60) Dibromochloromethane	10.90	129	88359	19.590	ug/l	98
61) 1,2-Dibromoethane	11.00	107	83016	20.504	ug/l	99
64) Tetrachloroethene	10.63	164	98870	19.879	ug/l	99
65) Chlorobenzene	11.43	112	254851	20.275	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	94937	20.629	ug/l	99
67) Ethyl Benzene	11.51	91	452984	19.987	ug/l	98
68) m/p-Xylenes	11.62	106	331089	39.963	ug/l	99
69) o-Xylene	11.95	106	164641	20.373	ug/l	99
70) Styrene	11.96	104	262831	20.277	ug/l	99
71) Bromoform	12.12	173	51602	18.654	ug/l #	97
73) Isopropylbenzene	12.25	105	434850	20.286	ug/l	99
74) N-amyl acetate	12.07	43	120698	20.257	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	104143	20.768	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	118944	28.891	ug/l #	100
77) Bromobenzene	12.53	156	102852	19.813	ug/l	96
78) n-propylbenzene	12.59	91	477446	20.216	ug/l	100
79) 2-Chlorotoluene	12.67	91	292894	20.011	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	357130	20.286	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	19909	18.123	ug/l	89
82) 4-Chlorotoluene	12.77	91	280094	20.232	ug/l	99
83) tert-Butylbenzene	12.99	119	304233	20.315	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	349439	20.516	ug/l	99
85) sec-Butylbenzene	13.17	105	390413	20.155	ug/l	100
86) p-Isopropyltoluene	13.29	119	342665	20.531	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	174963	20.261	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	163489	19.887	ug/l	96
89) n-Butylbenzene	13.61	91	267706	20.071	ug/l	98
90) Hexachloroethane	13.87	117	55218	19.696	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	172674	20.367	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13866	18.898	ug/l	100

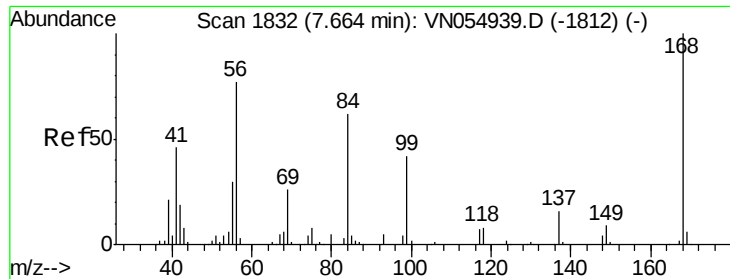
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	76407	18.861	ug/l	97
94) Hexachlorobutadiene	15.01	225	54264	19.131	ug/l	98
95) Naphthalene	15.13	128	157468	18.322	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	74064	19.023	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: VN054968.D

Acq: 5 Apr 2019 12:12

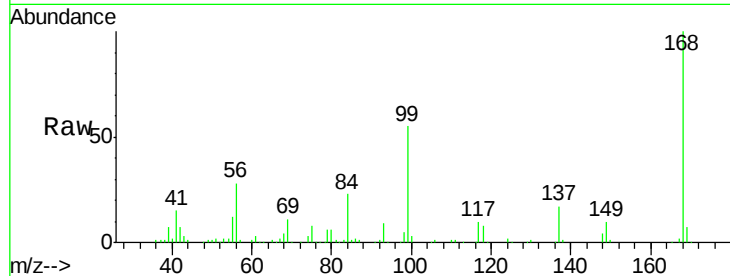
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 421422

Ion Ratio Lower Upper

168 100

99 53.4 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

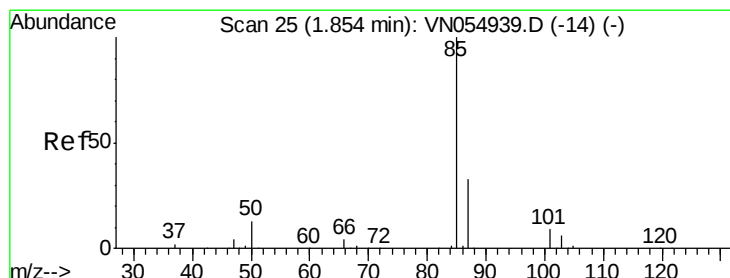
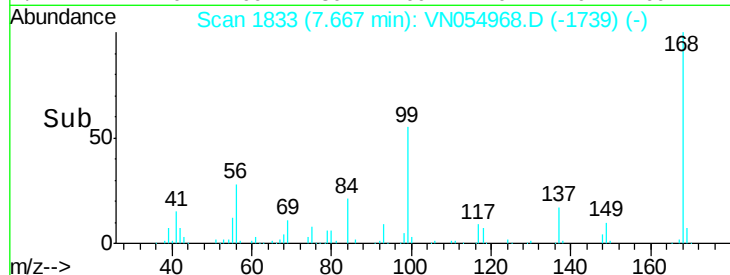
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#2

Dichlorodifluoromethane

Concen: 21.108 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054968.D

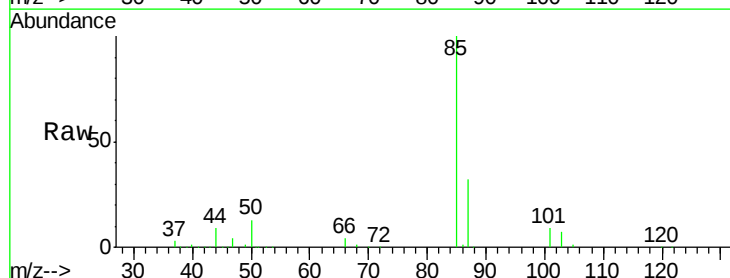
Acq: 5 Apr 2019 12:12

Tgt Ion: 85 Resp: 106369

Ion Ratio Lower Upper

85 100

87 31.8 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

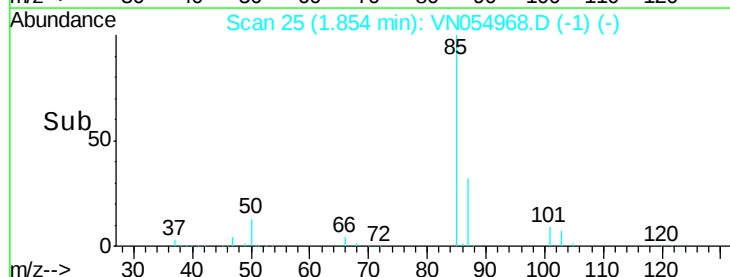
60000

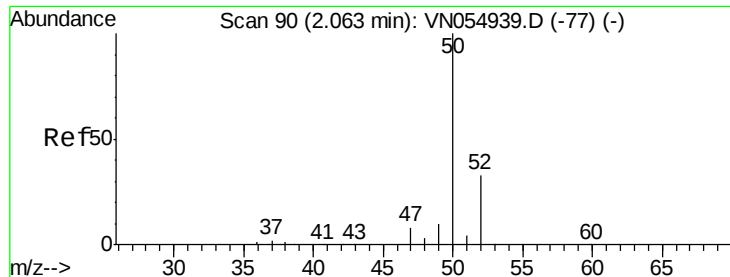
40000

20000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 20.403 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

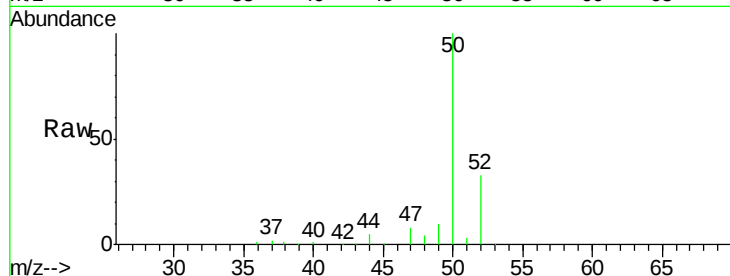
ClientSampleId :

Tot Ion: 50 Resp: 135939

Ion Ratio Lower Upper

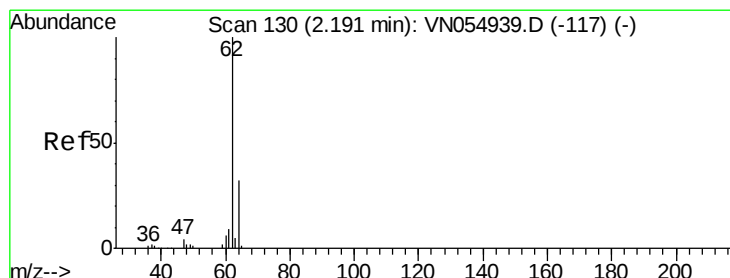
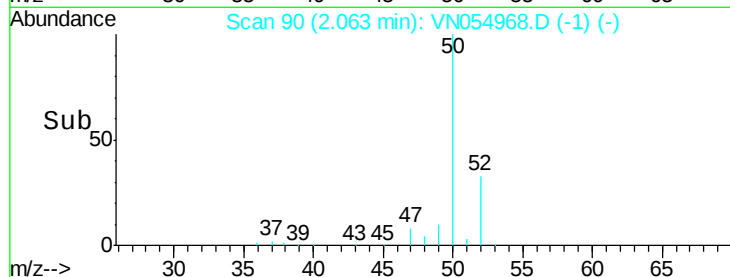
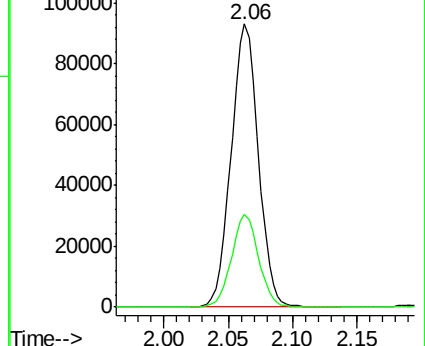
50 100

52 32.8 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 20.174 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054968.D

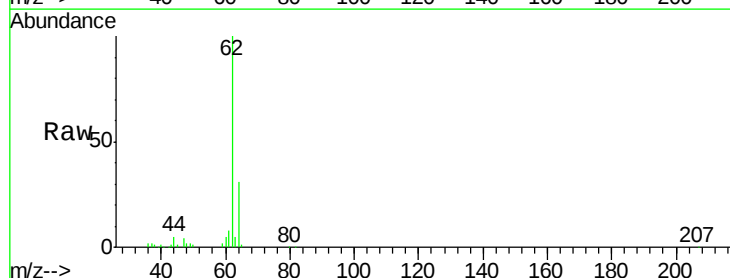
Acq: 5 Apr 2019 12:12

Tgt Ion: 62 Resp: 117438

Ion Ratio Lower Upper

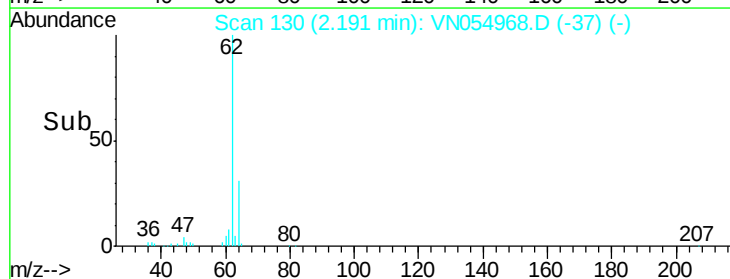
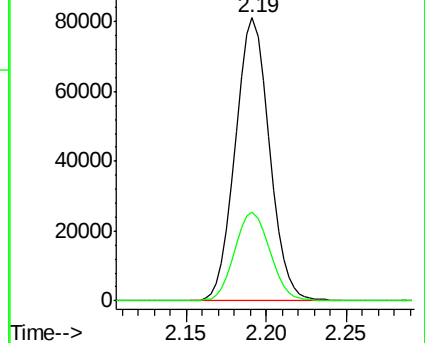
62 100

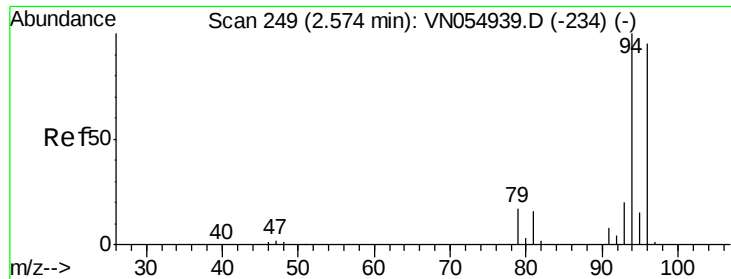
64 31.5 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 19.695 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

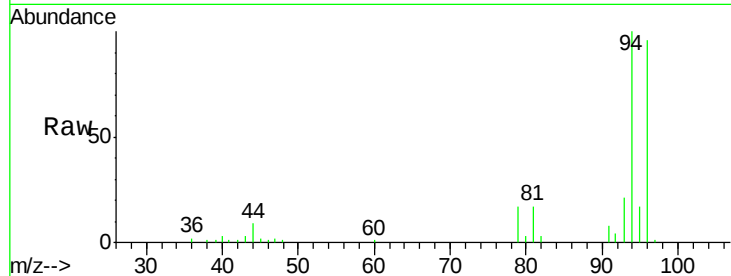
ClientSampleId :

Tot Ion: 94 Resp: 65446

Ion Ratio Lower Upper

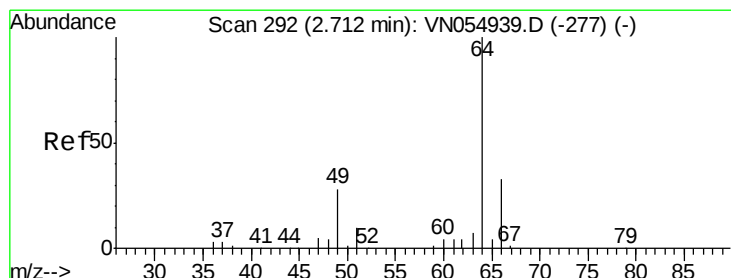
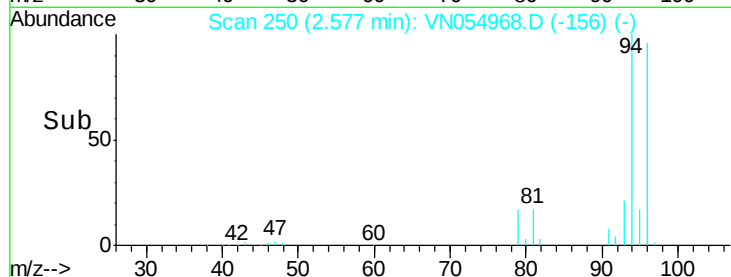
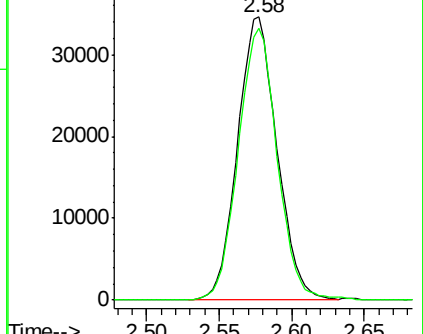
94 100

96 95.9 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN054968.D (-156) (-)

Ion 95.90 (95.60 to 96.60): VN054968.D (-156) (-)



#6

Chloroethane

Concen: 19.699 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054968.D

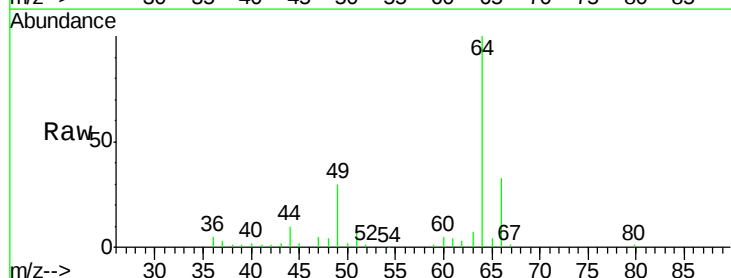
Acq: 5 Apr 2019 12:12

Tgt Ion: 64 Resp: 63956

Ion Ratio Lower Upper

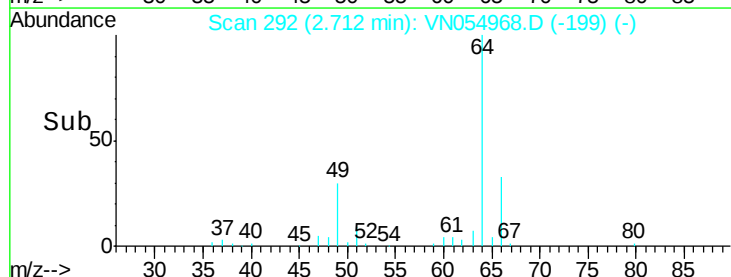
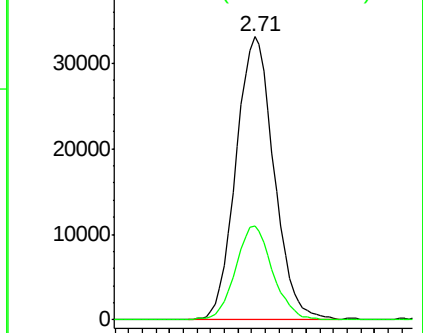
64 100

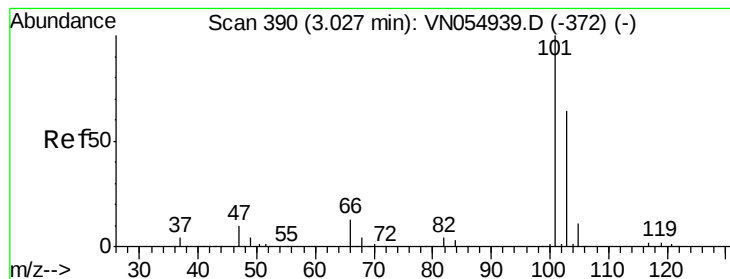
66 33.4 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VN054968.D (-199) (-)

Ion 65.90 (65.60 to 66.60): VN054968.D (-199) (-)



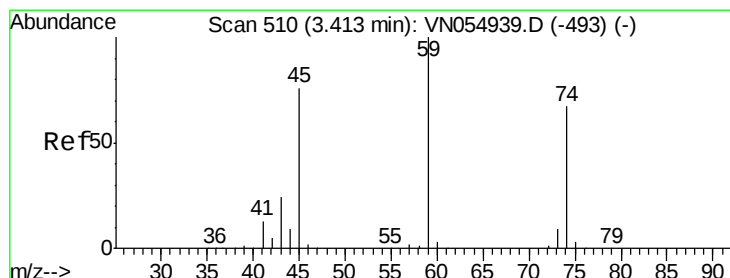
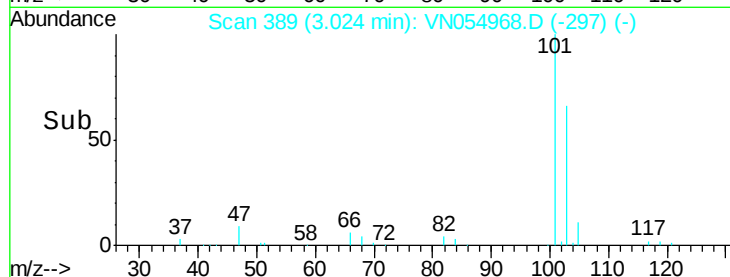
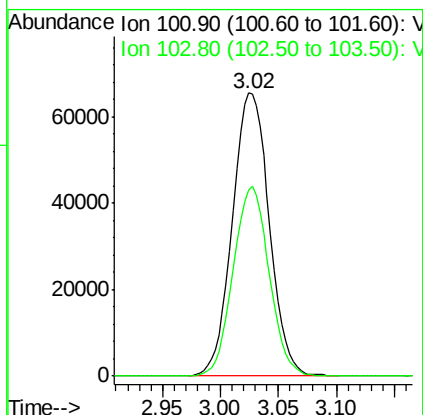
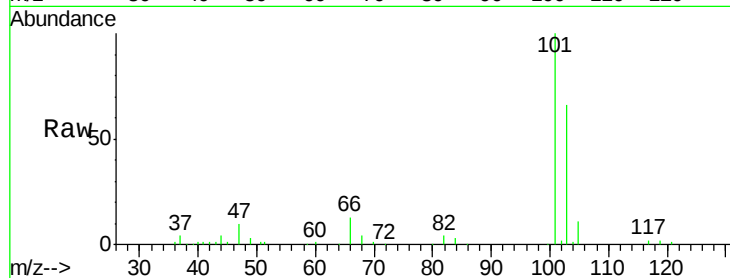


#7

Trichlorofluoromethane
 Concen: 20.395 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054968.D
 Acq: 5 Apr 2019 12:12

Instrument :
 MSVOA_N
 ClientSampleId :

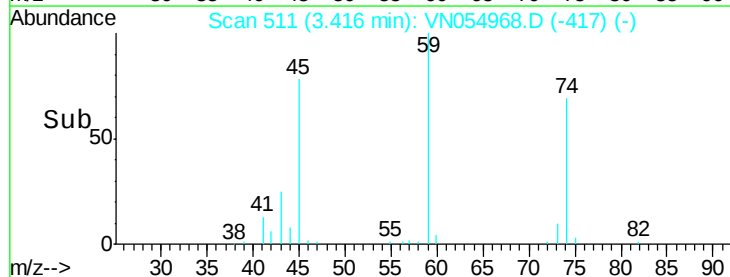
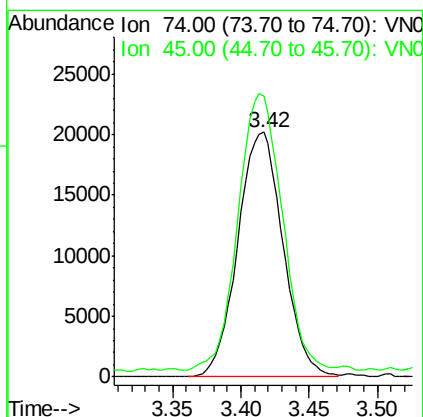
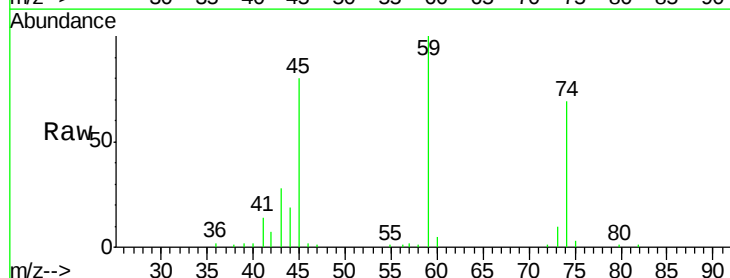
Tot Ion:101 Resp: 144155
 Ion Ratio Lower Upper
 101 100
 103 65.8 51.3 76.9

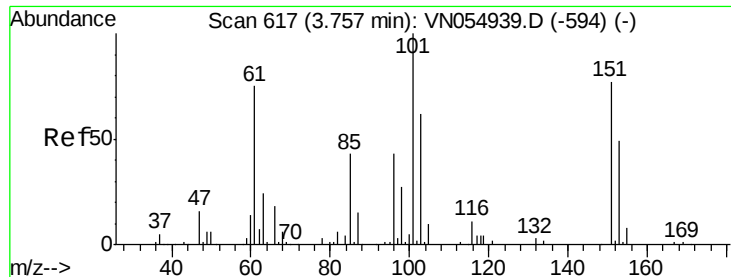


#8

Diethyl Ether
 Concen: 20.605 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN054968.D
 Acq: 5 Apr 2019 12:12

Tgt Ion: 74 Resp: 46383
 Ion Ratio Lower Upper
 74 100
 45 110.8 56.3 168.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.294 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

ClientSampleId :

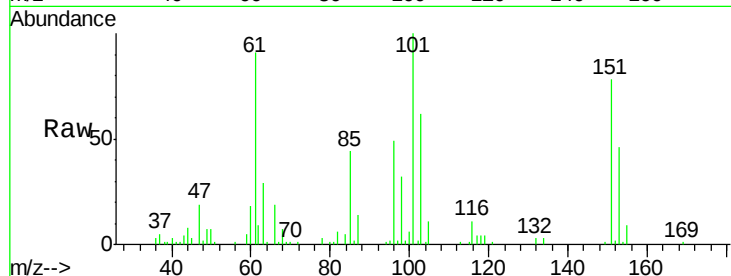
Tot Ion:101 Resp: 75996

Ion Ratio Lower Upper

101 100

85 45.1 36.2 54.2

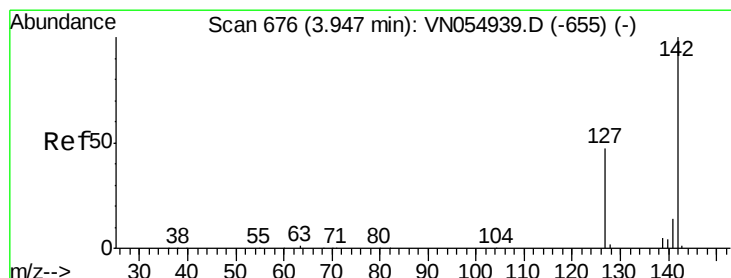
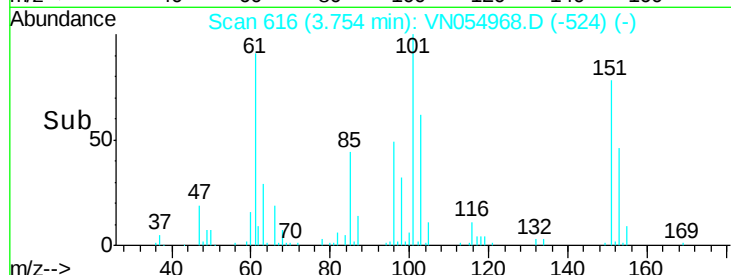
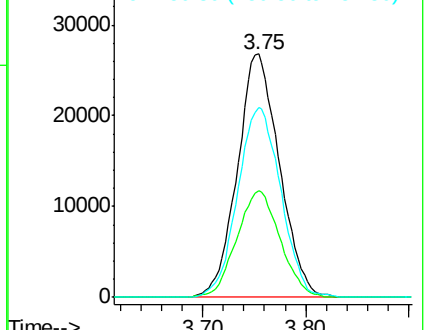
151 79.8 63.4 95.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.272 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

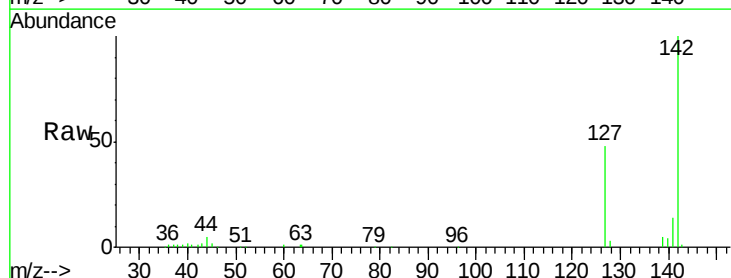
Tgt Ion:142 Resp: 107009

Ion Ratio Lower Upper

142 100

127 47.4 38.0 57.0

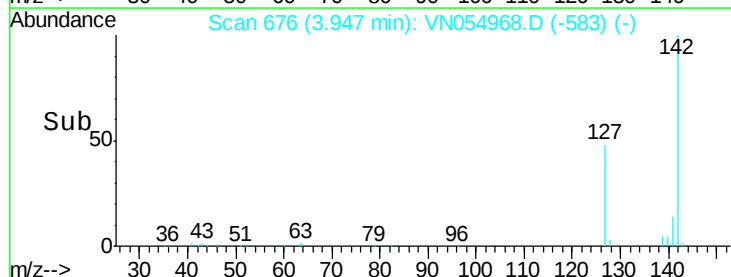
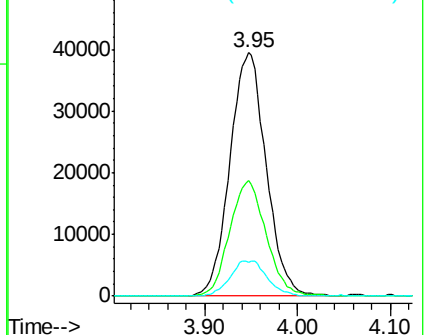
141 7.8 11.7 17.5#

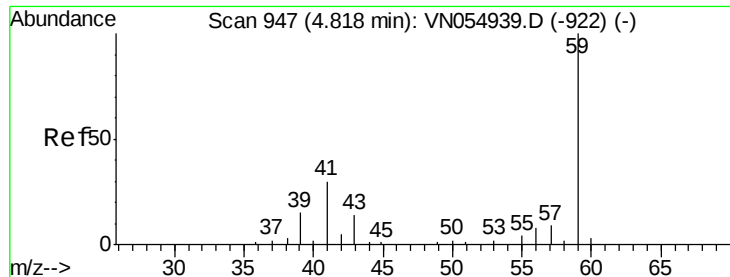


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

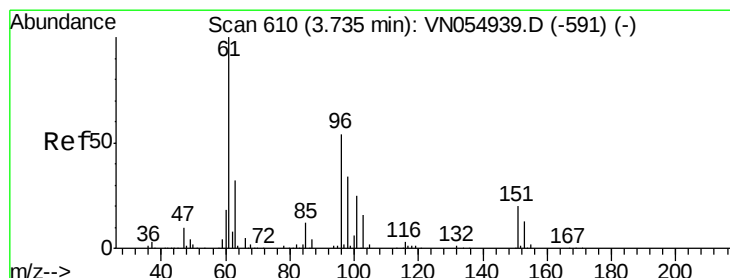
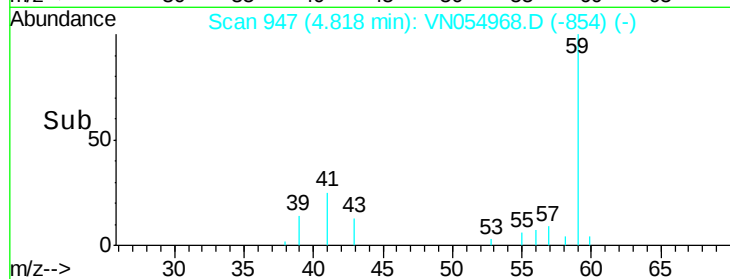
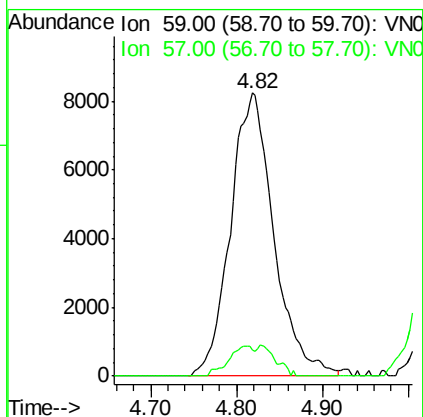
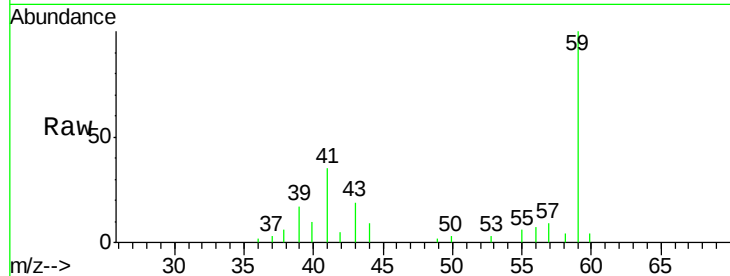




#11
Tert butyl alcohol
Concen: 100.671 ug/l
RT: 4.82 min Scan# 947
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

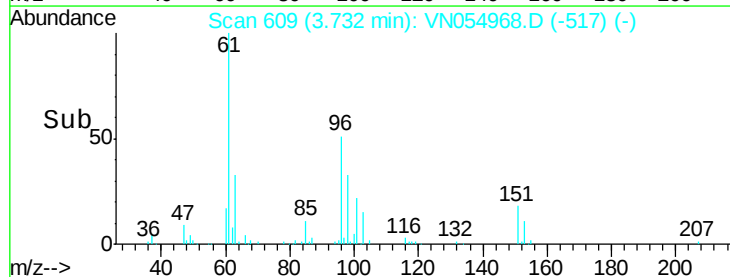
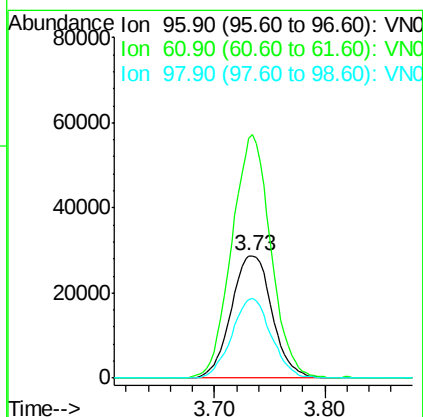
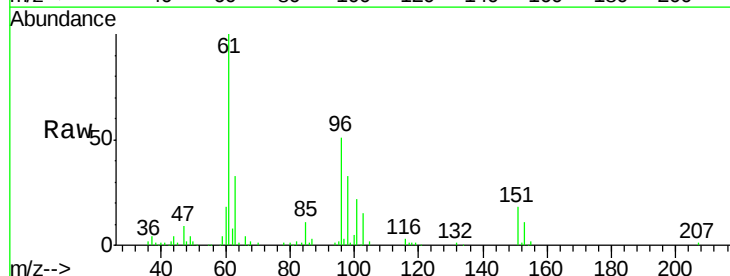
Instrument :
MSVOA_N
ClientSampled :

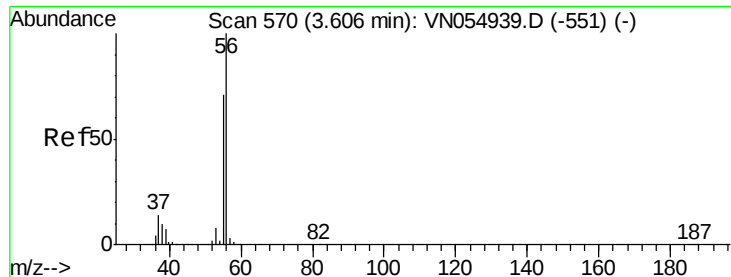
Tot Ion: 59 Resp: 28865
Ion Ratio Lower Upper
59 100
57 6.3 5.0 7.4



#12
1,1-Dichloroethene
Concen: 19.855 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Tgt Ion: 96 Resp: 73754
Ion Ratio Lower Upper
96 100
61 195.6 148.2 222.2
98 64.8 50.2 75.4





#13

Acrolein

Concen: 95.787 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

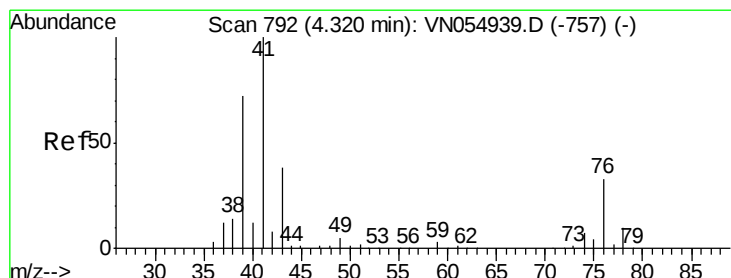
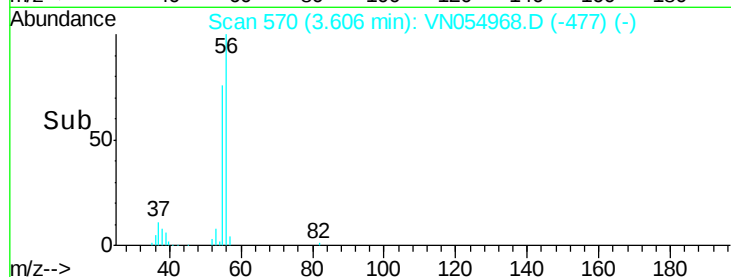
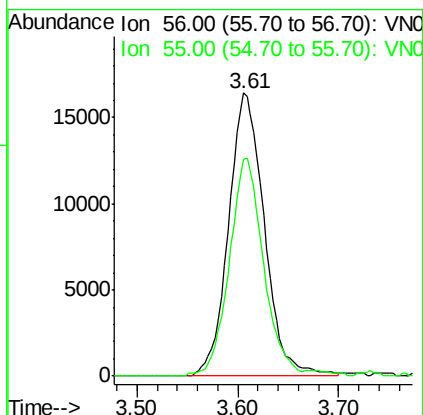
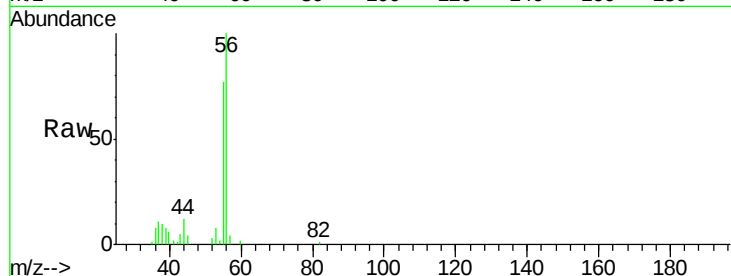
ClientSampleId :

Tot Ion: 56 Resp: 40484

Ion Ratio Lower Upper

56 100

55 73.5 58.6 87.8



#14

Allyl chloride

Concen: 20.723 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

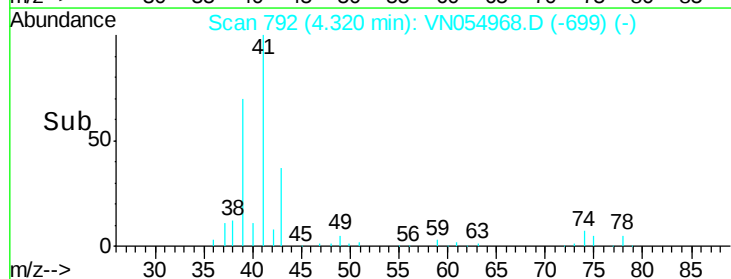
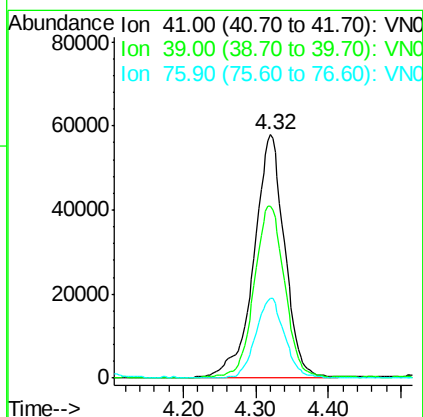
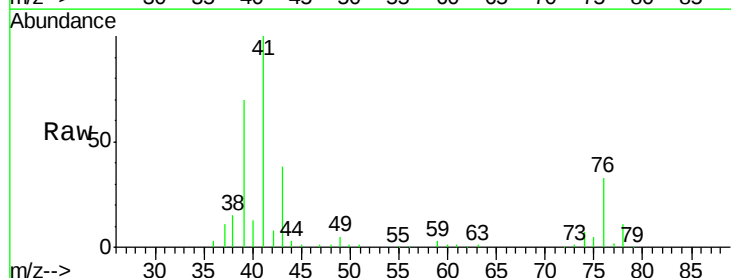
Tgt Ion: 41 Resp: 170851

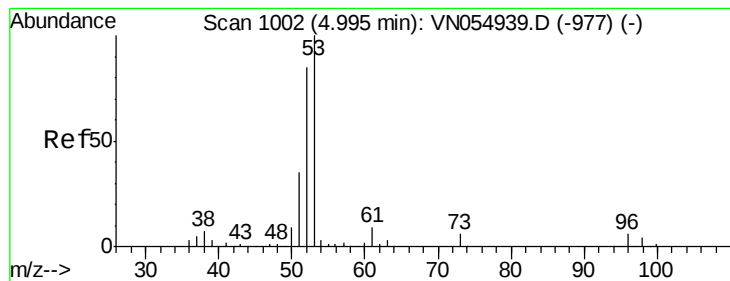
Ion Ratio Lower Upper

41 100

39 69.2 55.4 83.2

76 31.0 23.8 35.8





#15

Acrylonitrile

Concen: 101.217 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

ClientSampled :

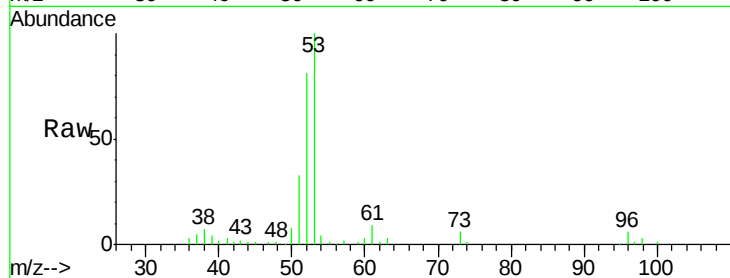
Tot Ion: 53 Resp: 174033

Ion Ratio Lower Upper

53 100

52 81.3 66.4 99.6

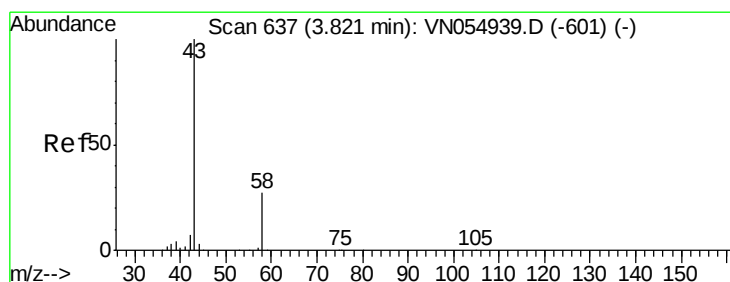
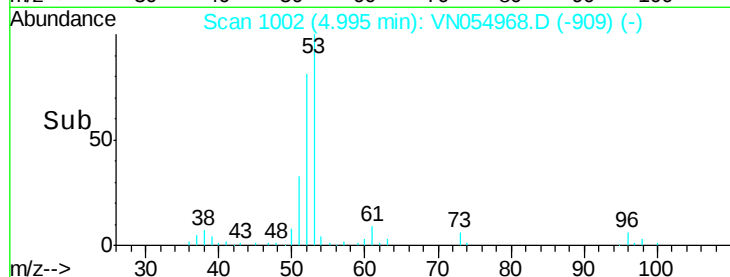
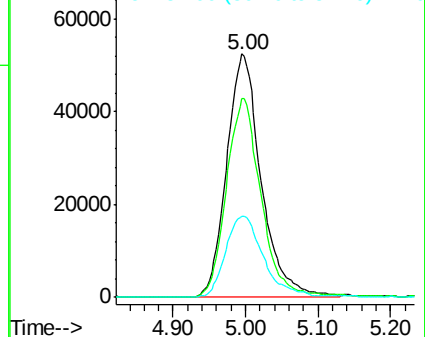
51 36.7 29.5 44.3



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: 80.847 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054968.D

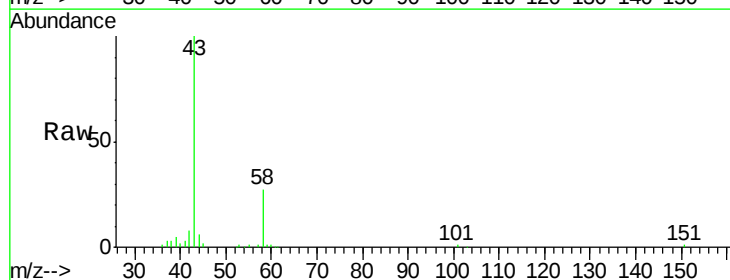
Acq: 5 Apr 2019 12:12

Tgt Ion: 43 Resp: 132875

Ion Ratio Lower Upper

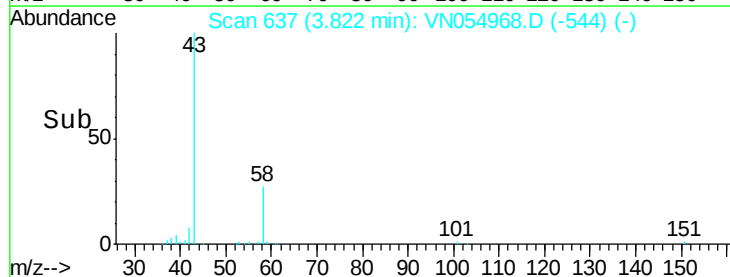
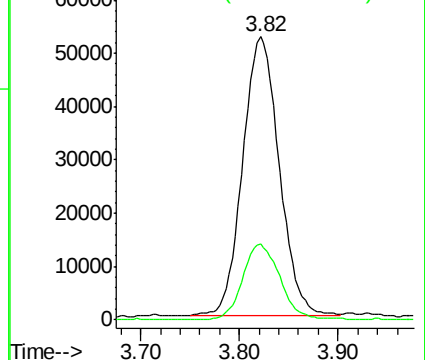
43 100

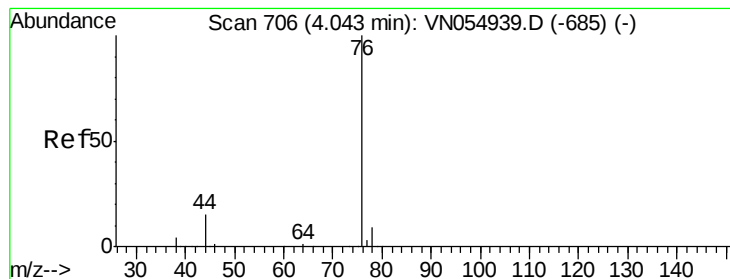
58 27.2 21.7 32.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 19.623 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

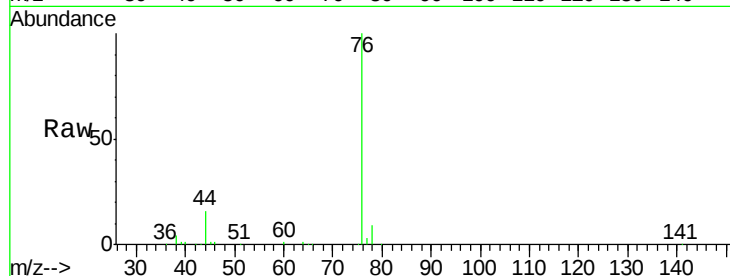
ClientSampleId :

Tot Ion: 76 Resp: 232032

Ion Ratio Lower Upper

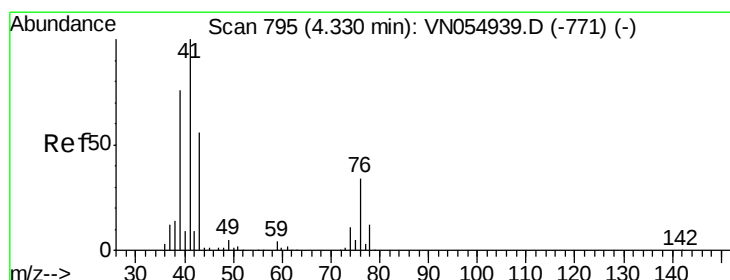
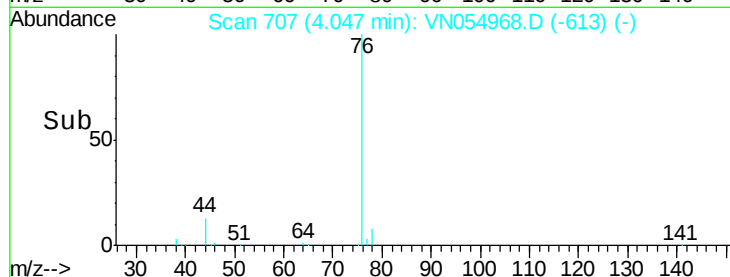
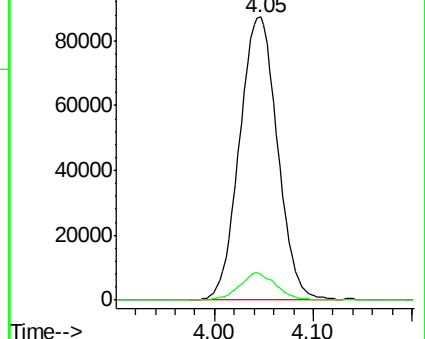
76 100

78 9.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 20.187 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054968.D

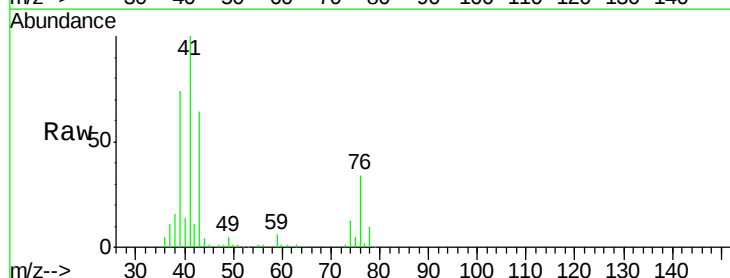
Acq: 5 Apr 2019 12:12

Tgt Ion: 43 Resp: 76360

Ion Ratio Lower Upper

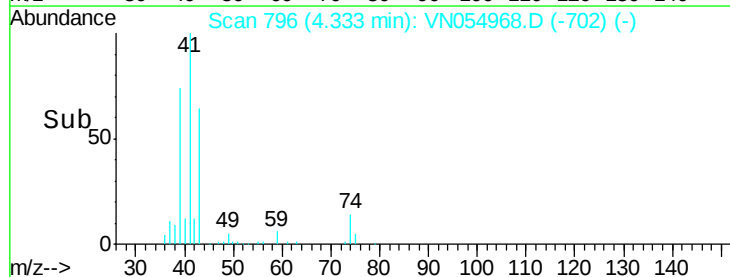
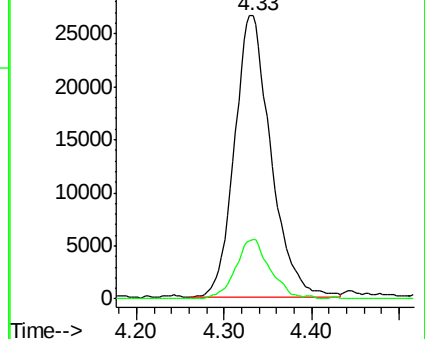
43 100

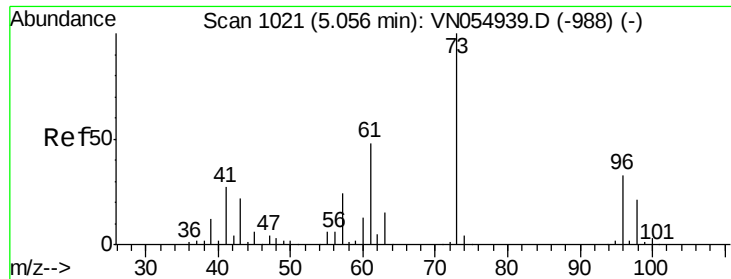
74 20.0 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

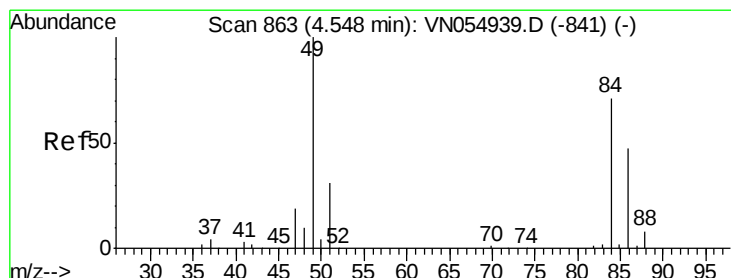
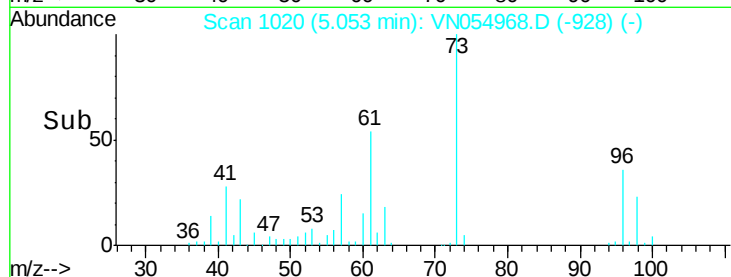
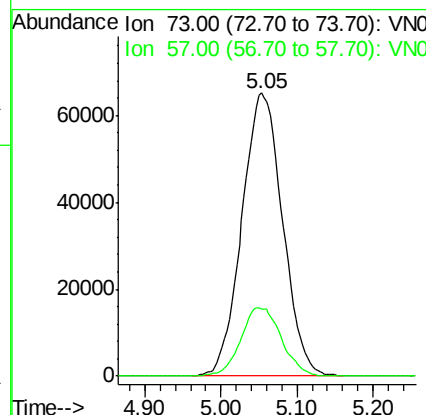
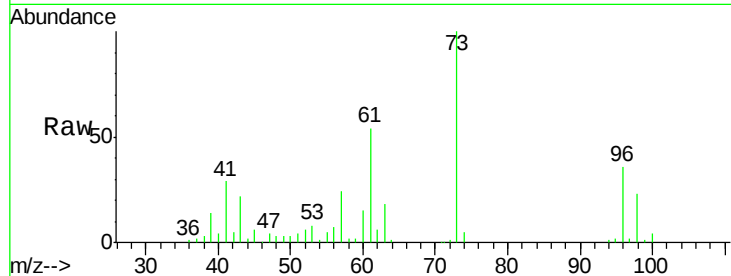




#19
Methvl tert-butvl Ether
Concen: 20.050 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

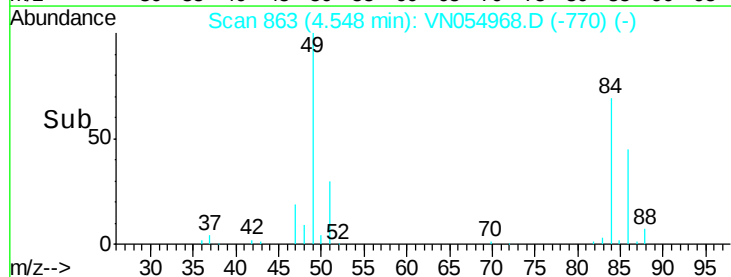
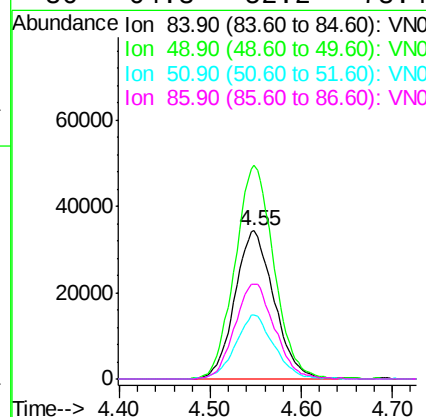
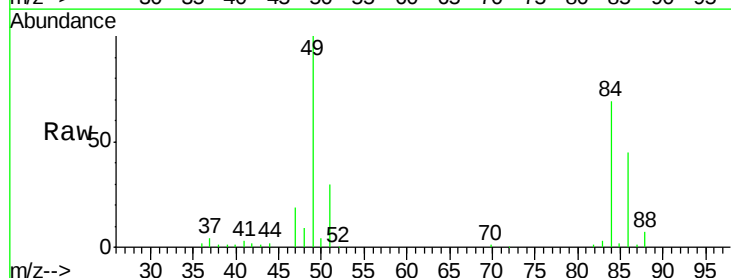
Instrument :
MSVOA_N
ClientSampled :

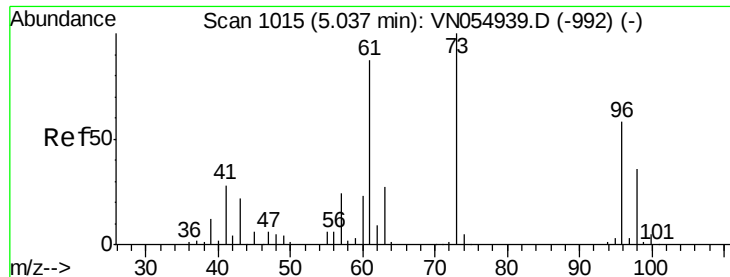
Tot Ion: 73 Resp: 241581
Ion Ratio Lower Upper
73 100
57 23.9 19.5 29.3



#20
Methylene Chloride
Concen: 19.892 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Tgt Ion: 84 Resp: 102579
Ion Ratio Lower Upper
84 100
49 143.3 112.1 168.1
51 43.5 34.5 51.7
86 64.3 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 20.482 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

ClientSampleId :

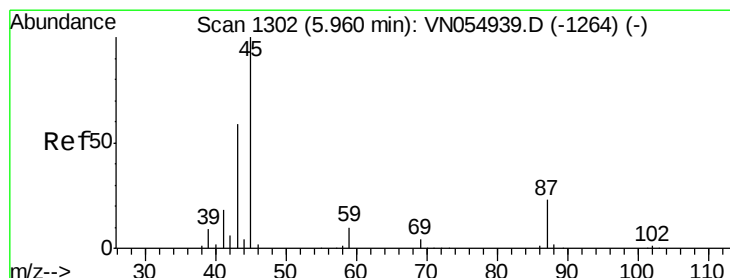
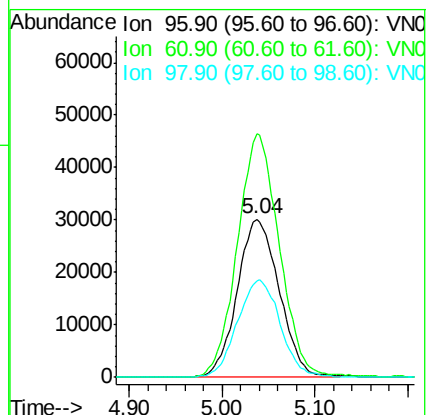
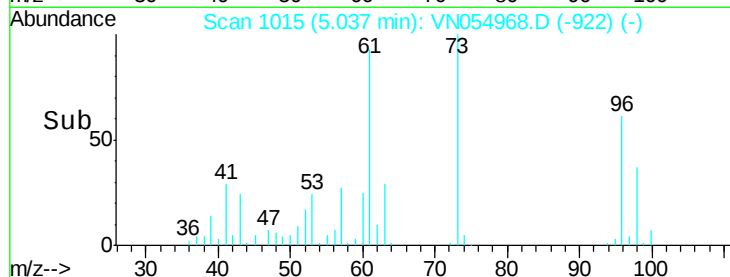
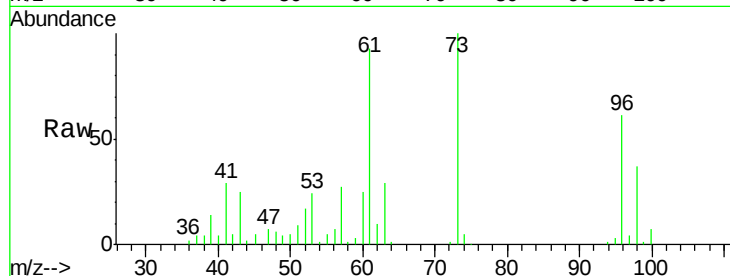
Tot Ion: 96 Resp: 95025

Ion Ratio Lower Upper

96 100

61 153.7 120.1 180.1

98 60.5 49.3 73.9



#22

Diisopropyl ether

Concen: 20.874 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Tgt Ion: 45 Resp: 353451

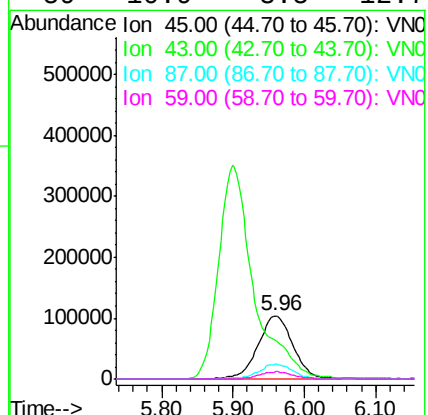
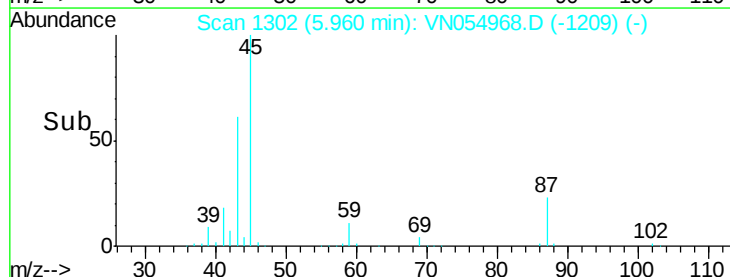
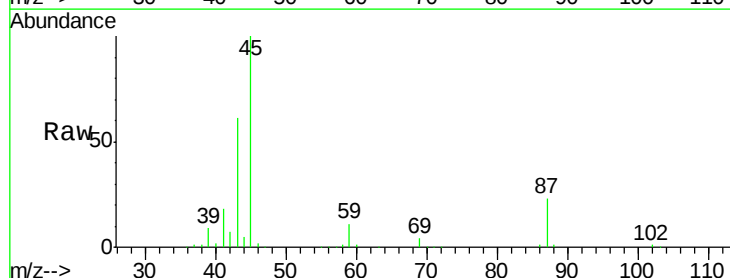
Ion Ratio Lower Upper

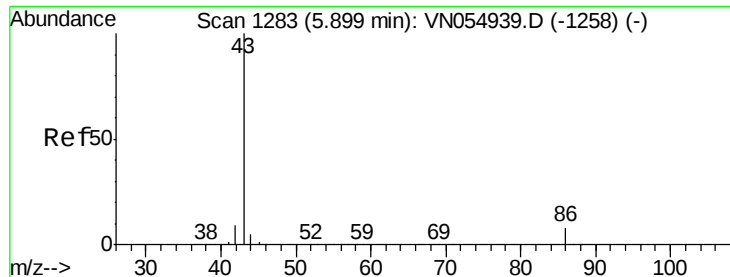
45 100

43 59.2 46.9 70.3

87 23.2 18.6 28.0

59 10.9 8.5 12.7

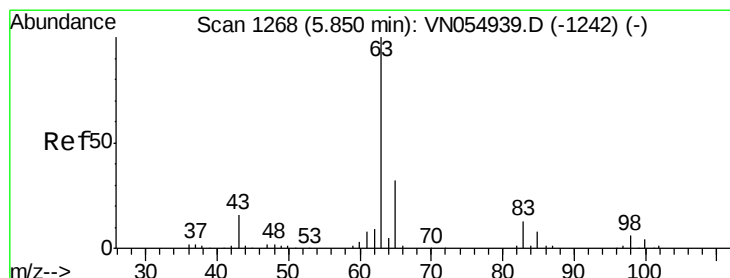
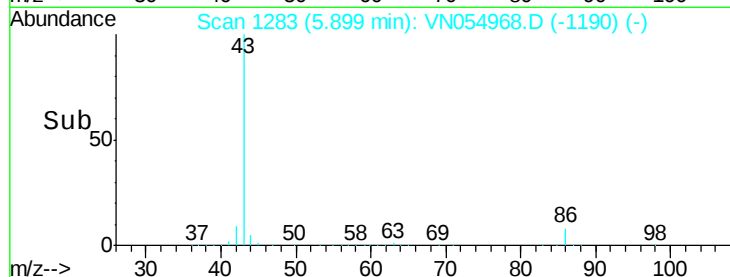
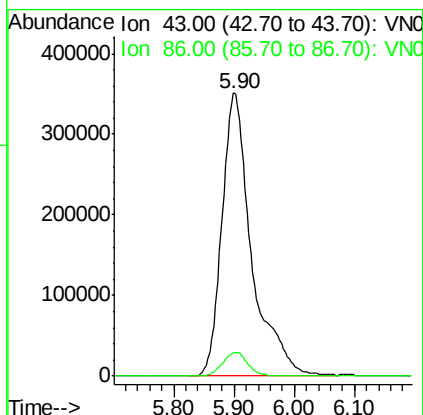
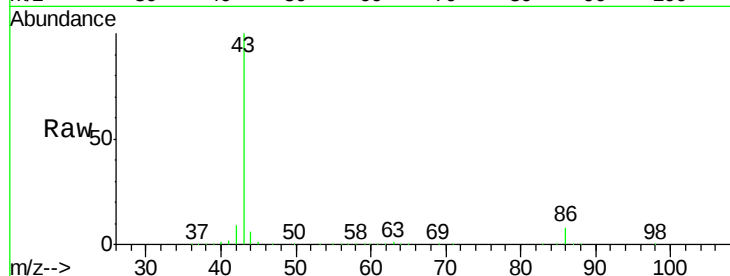




#23
 Vinyl Acetate
 Concen: 102.131 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN054968.D
 Acq: 5 Apr 2019 12:12

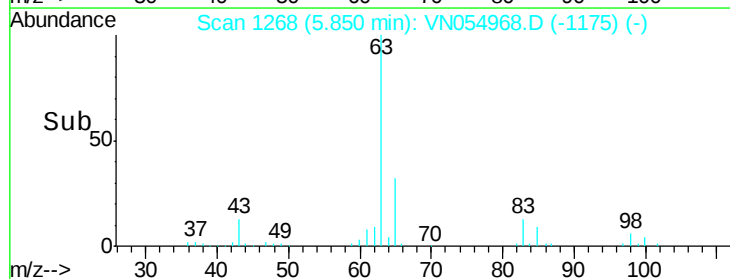
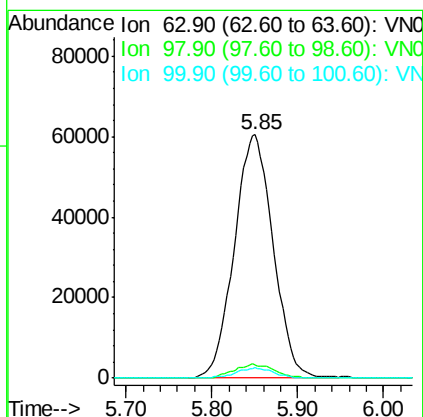
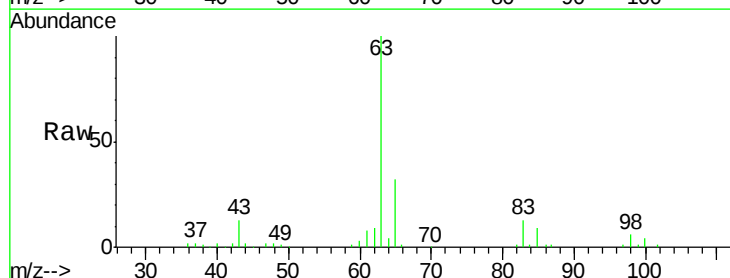
Instrument :
 MSVOA_N
 ClientSampled :

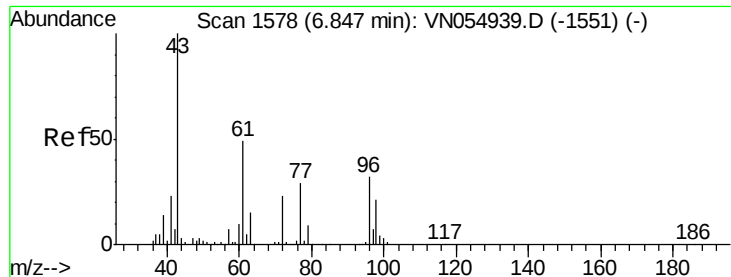
Tot Ion: 43 Resp: 1203332
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.7 10.1



#24
 1,1-Dichloroethane
 Concen: 20.565 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054968.D
 Acq: 5 Apr 2019 12:12

Tgt Ion: 63 Resp: 189893
 Ion Ratio Lower Upper
 63 100
 98 5.6 2.9 8.7
 100 4.2 2.1 6.2

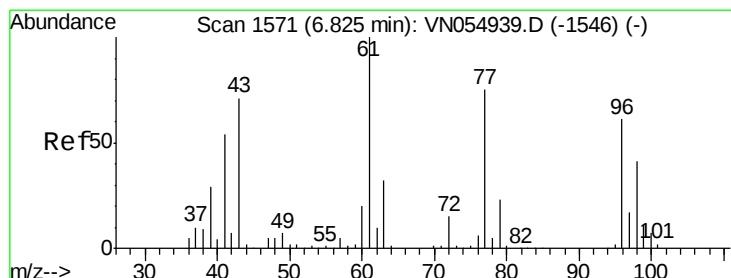
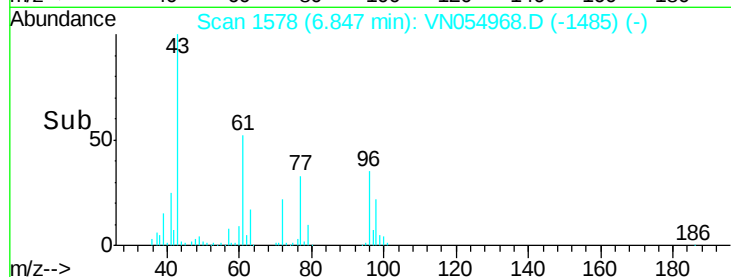
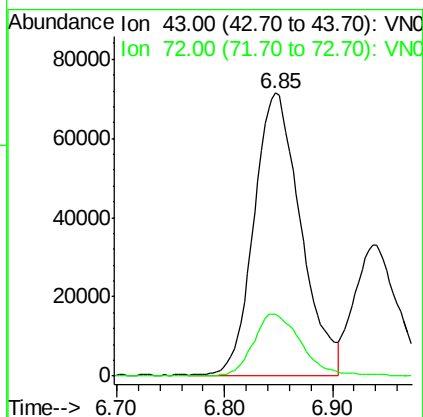
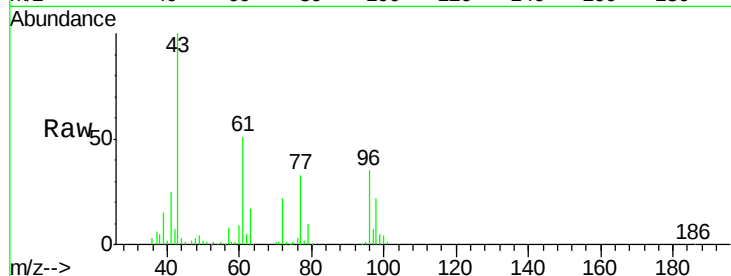




#25
2-Butanone
Concen: 102.541 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

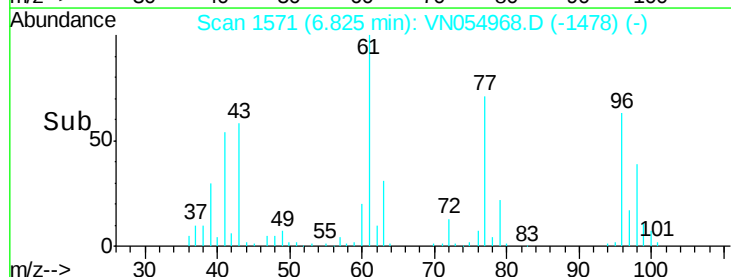
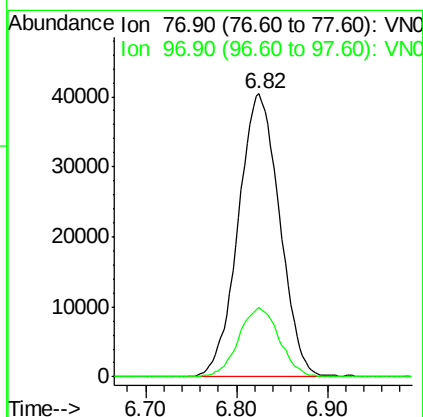
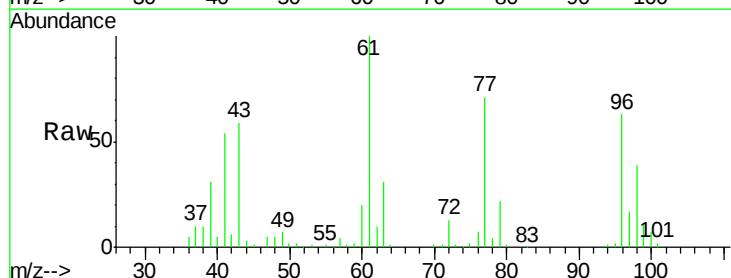
Instrument :
MSVOA_N
ClientSampled :

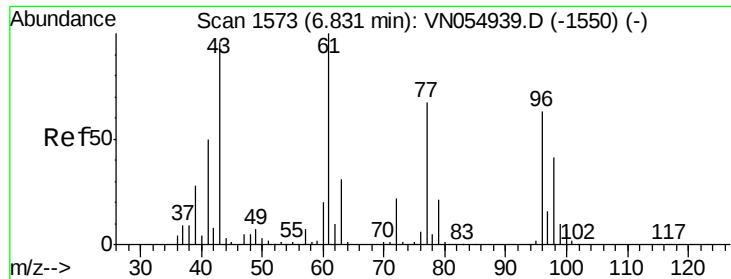
Tot Ion: 43 Resp: 213938
Ion Ratio Lower Upper
43 100
72 21.8 18.3 27.5



#26
2,2-Dichloropropane
Concen: 19.738 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Tgt Ion: 77 Resp: 127767
Ion Ratio Lower Upper
77 100
97 23.8 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 20.467 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :
MSVOA_N
ClientSampleId :

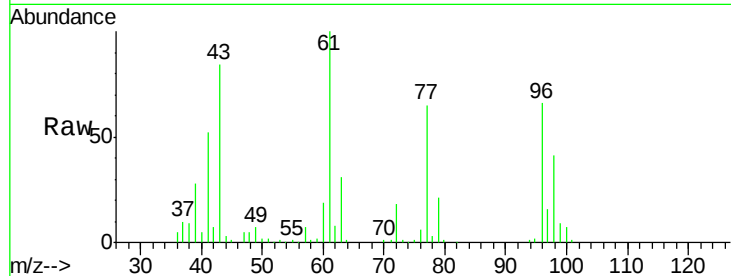
Tot Ion: 96 Resp: 107716

Ion Ratio Lower Upper

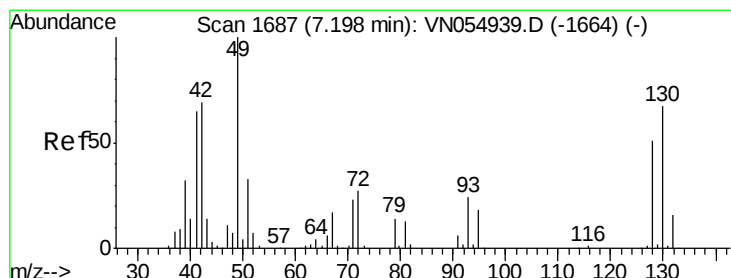
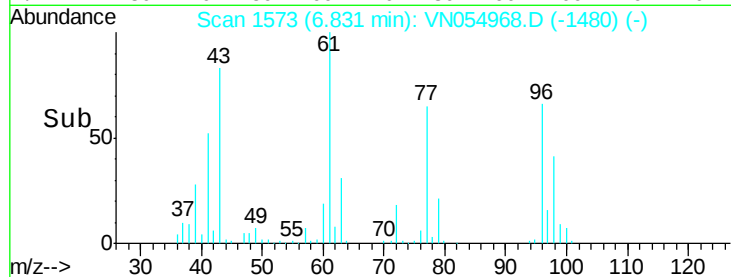
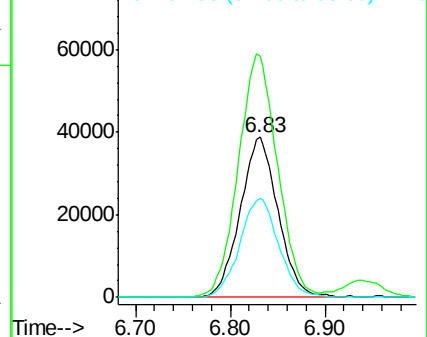
96 100

61 157.1 0.0 316.2

98 63.8 0.0 129.6



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



#28

Bromochloromethane

Concen: 19.587 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

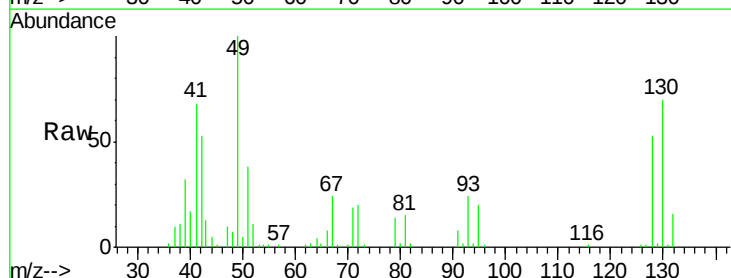
Tgt Ion: 49 Resp: 84728

Ion Ratio Lower Upper

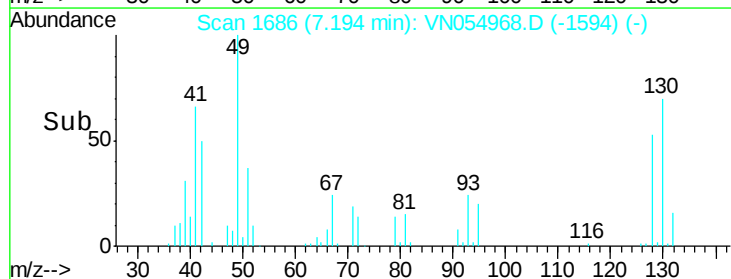
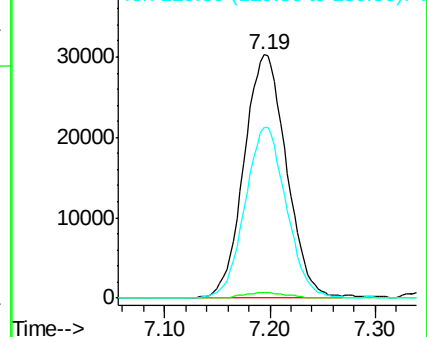
49 100

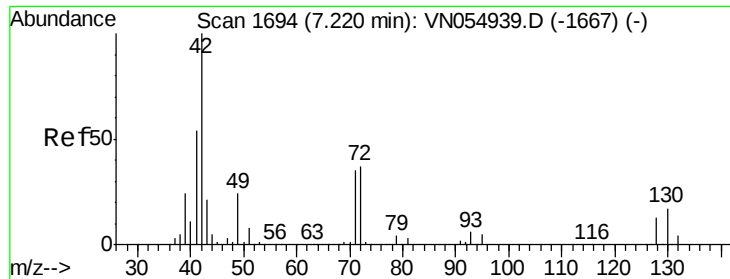
129 2.2 0.0 3.8

130 68.3 53.1 79.7



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

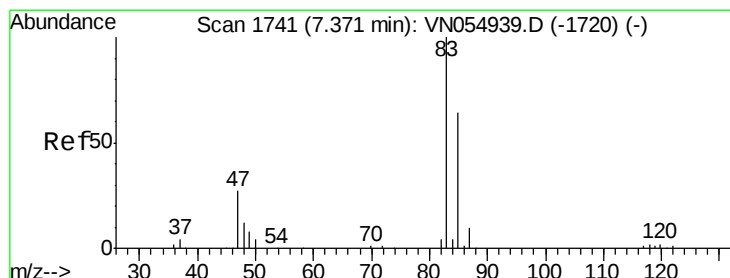
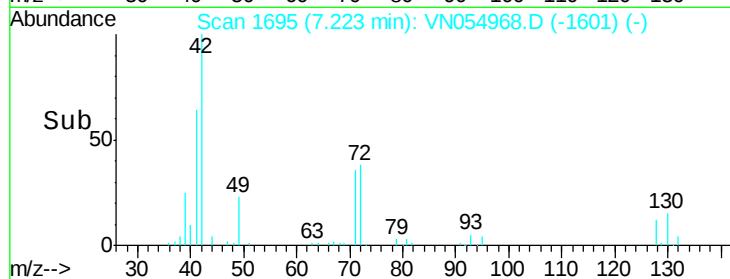
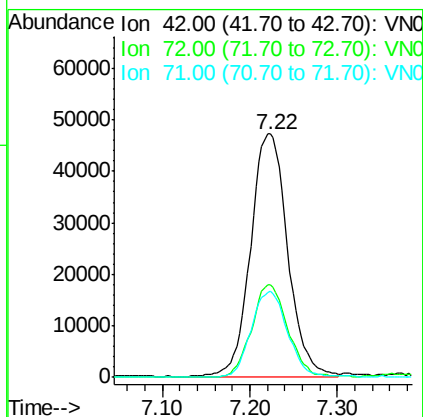
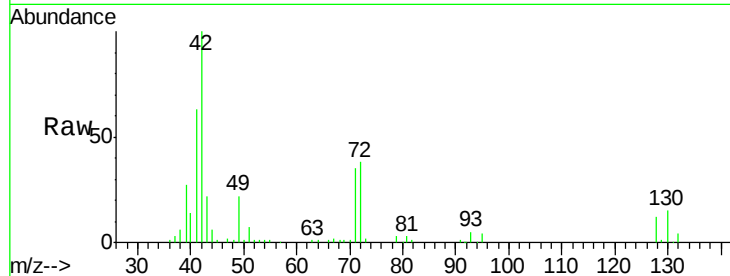




#29
Tetrahydrofuran
Concen: 101.011 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

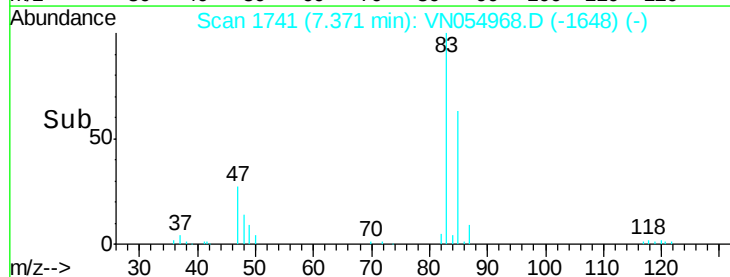
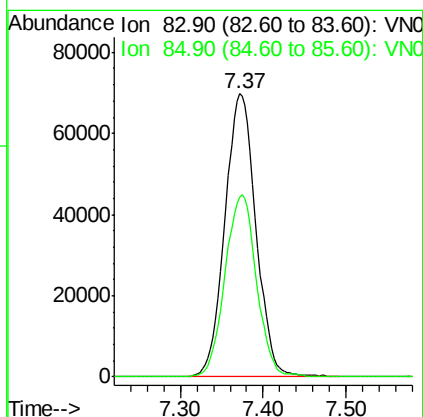
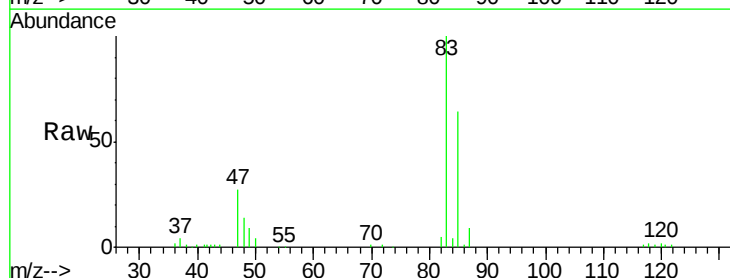
Instrument :
MSVOA_N
ClientSampled :

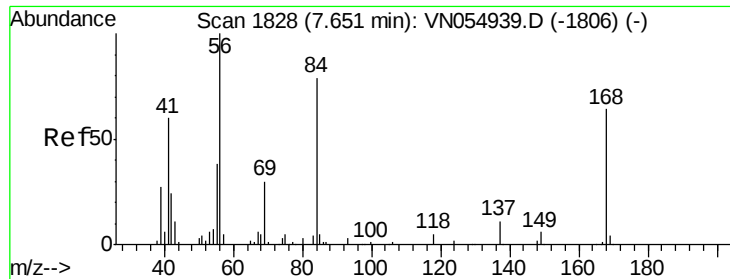
Tot Ion: 42 Resp: 138134
Ion Ratio Lower Upper
42 100
72 37.3 29.3 43.9
71 34.8 27.8 41.6



#30
Chloroform
Concen: 20.751 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Tgt Ion: 83 Resp: 181593
Ion Ratio Lower Upper
83 100
85 63.7 51.4 77.0

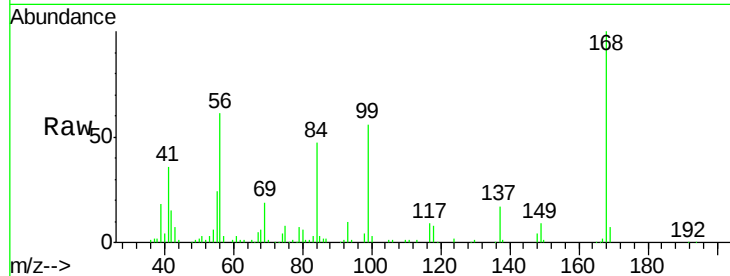




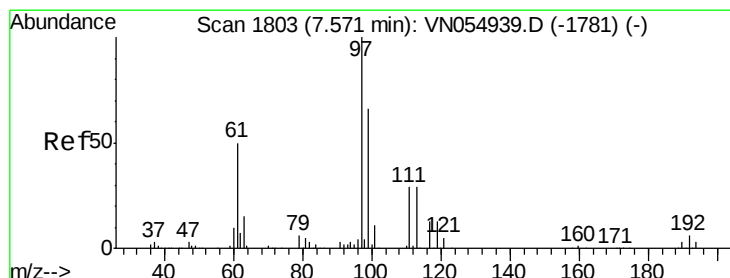
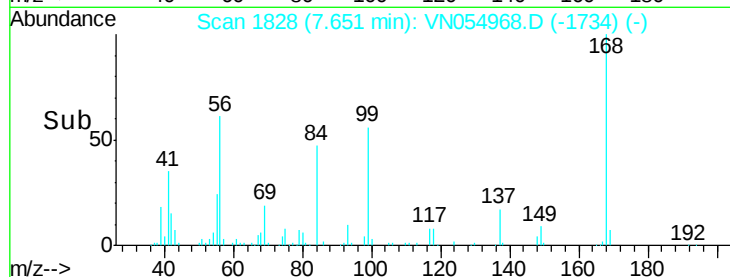
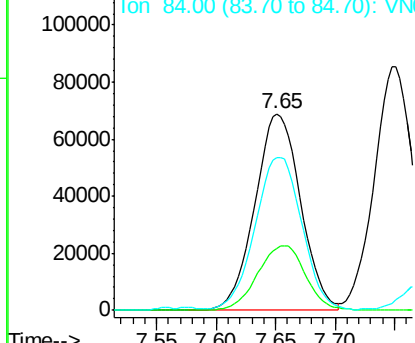
#31
Cyclohexane
Concen: 20.009 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 183289
Ion Ratio Lower Upper
56 100
69 31.8 23.8 35.6
84 76.3 61.8 92.8

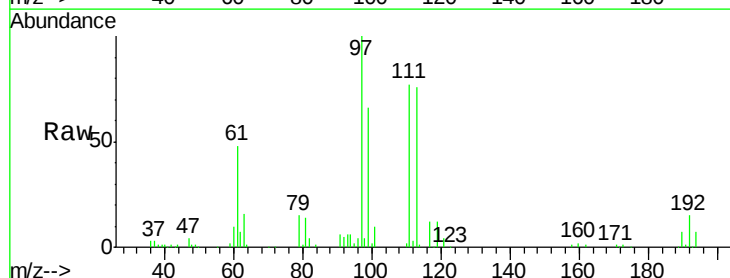


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

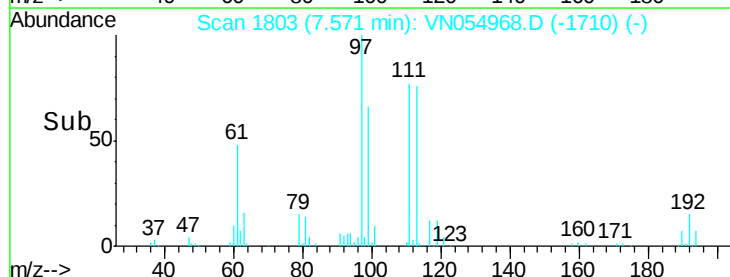
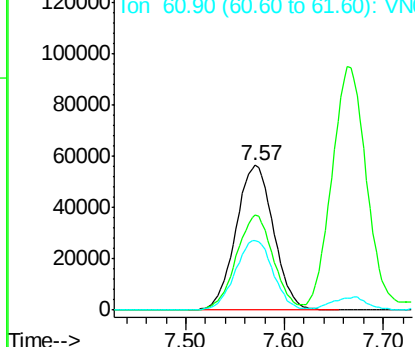


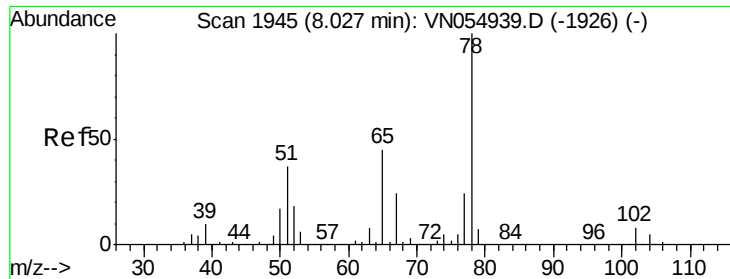
#32
1,1,1-Trichloroethane
Concen: 20.322 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Tgt Ion: 97 Resp: 150072
Ion Ratio Lower Upper
97 100
99 64.5 52.1 78.1
61 48.1 39.6 59.4



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC

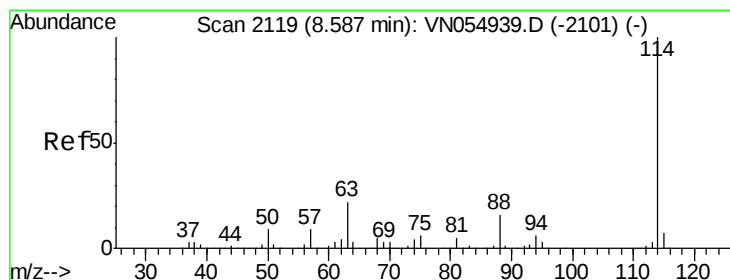
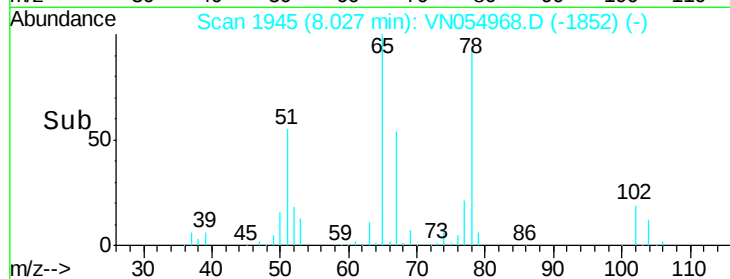
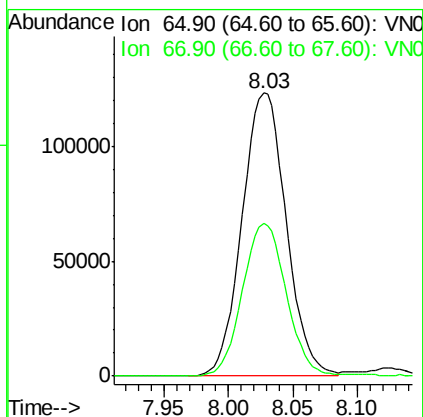
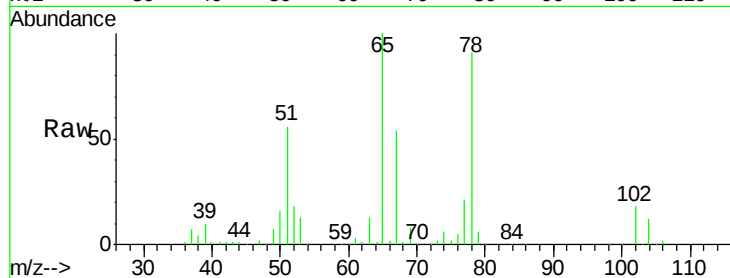




#33
 1,2-Dichloroethane-d4
 Concen: 52.988 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054968.D
 Acq: 5 Apr 2019 12:12

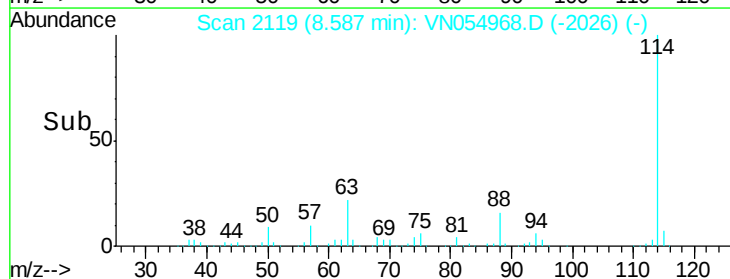
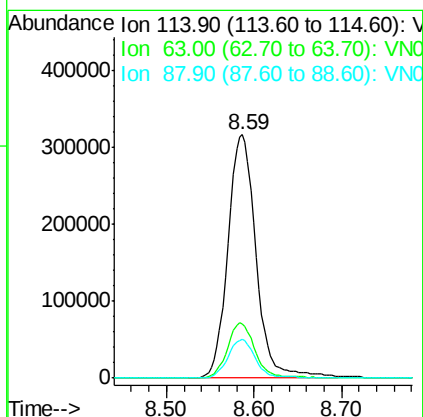
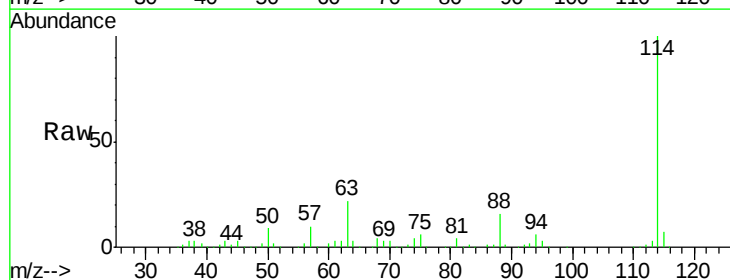
Instrument :
 MSVOA_N
 ClientSampled :

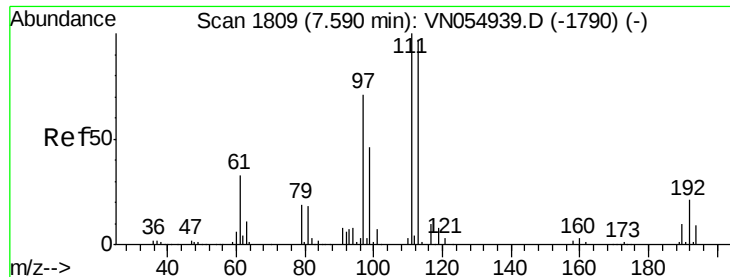
Tot Ion: 65 Resp: 294418
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054968.D
 Acq: 5 Apr 2019 12:12

Tgt Ion: 114 Resp: 706734
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 44.6
 88 16.0 0.0 32.0

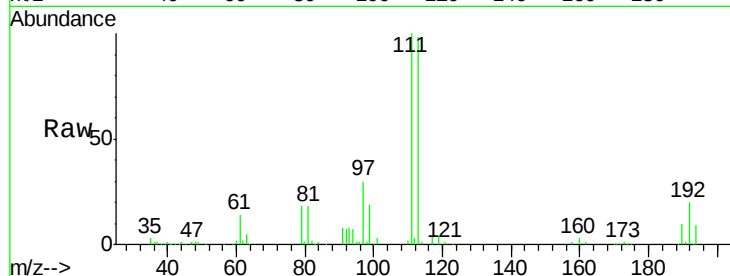




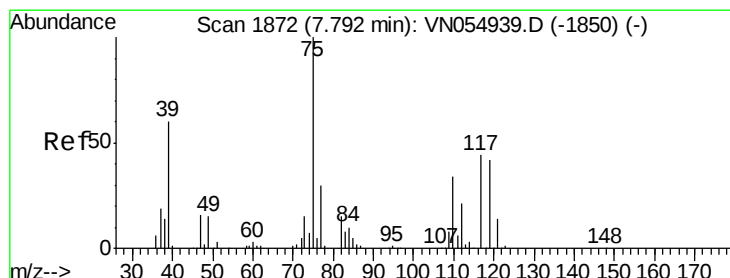
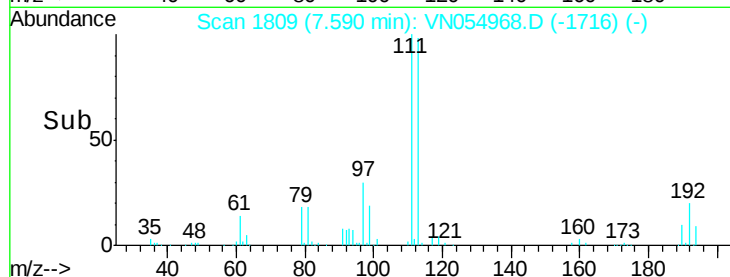
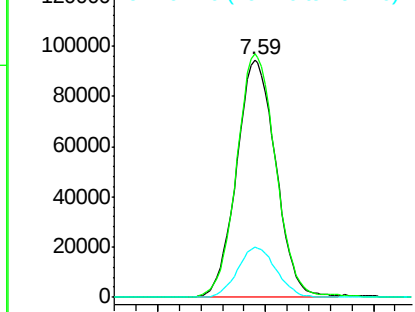
#35
 Dibromofluoromethane
 Concen: 51.976 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054968.D
 Acq: 5 Apr 2019 12:12

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 239118
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.0 121.4
 192 20.9 16.5 24.7

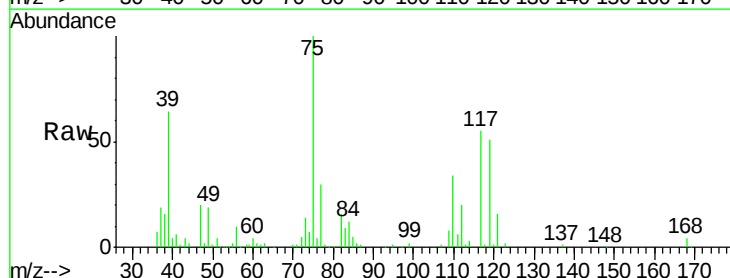


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

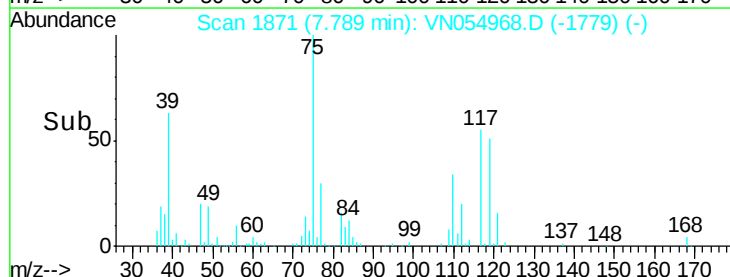
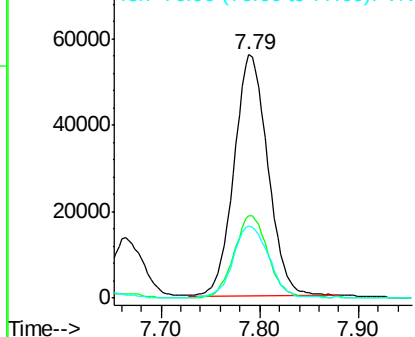


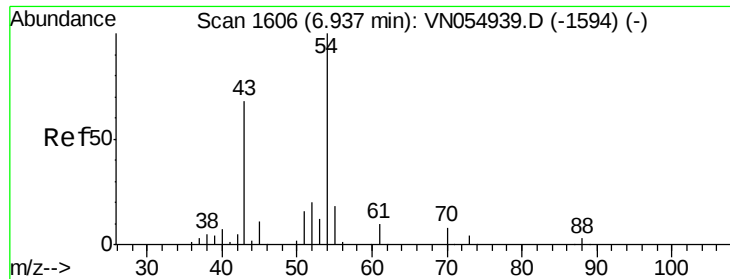
#36
 1,1-Dichloropropene
 Concen: 19.100 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054968.D
 Acq: 5 Apr 2019 12:12

Tgt Ion: 75 Resp: 133748
 Ion Ratio Lower Upper
 75 100
 110 34.5 17.0 50.9
 77 31.3 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

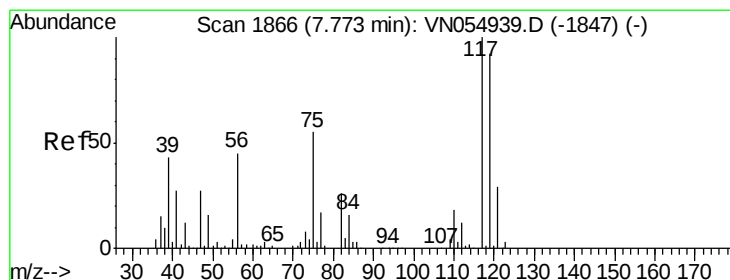
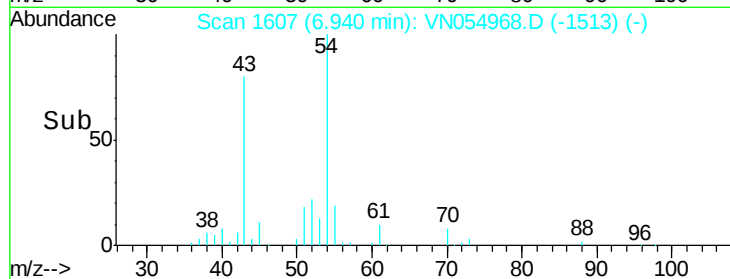
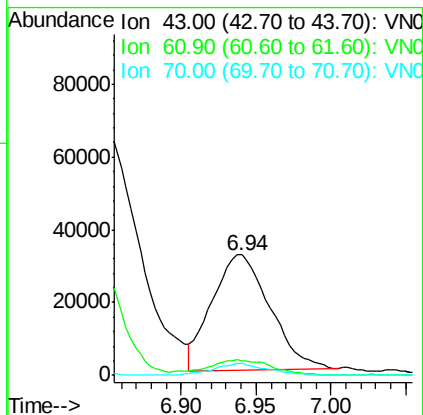
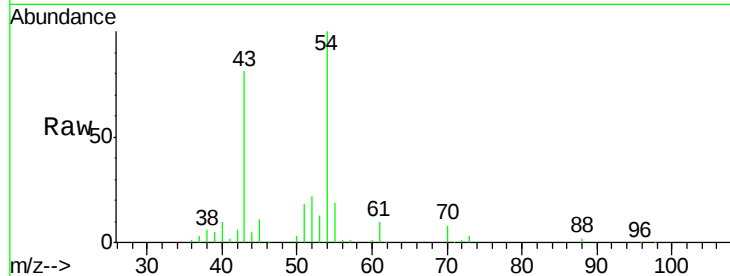




#37
Ethyl Acetate
Concen: 17.724 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

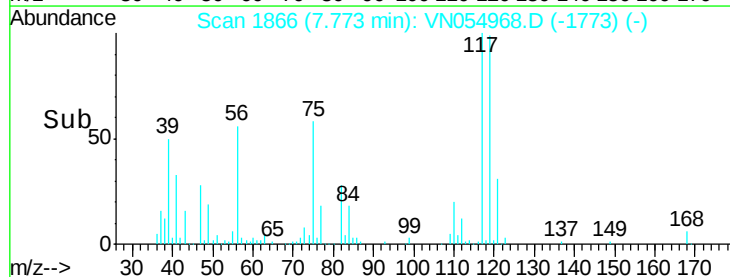
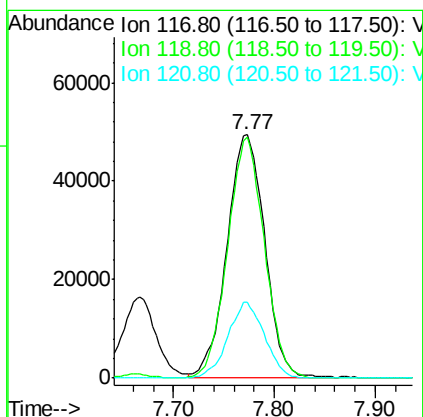
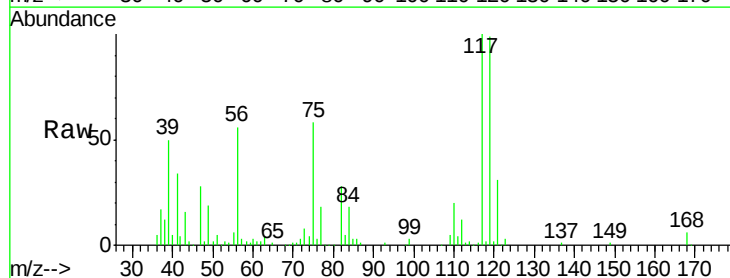
Instrument :
MSVOA_N
ClientSampled :

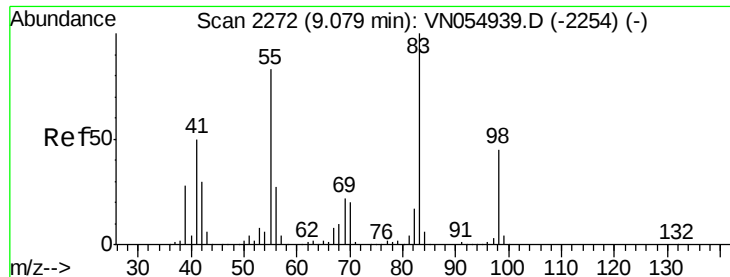
Tot Ion: 43 Resp: 85173
Ion Ratio Lower Upper
43 100
61 14.1 10.3 15.5
70 10.0 7.0 10.4



#38
Carbon Tetrachloride
Concen: 18.916 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Tgt Ion: 117 Resp: 127924
Ion Ratio Lower Upper
117 100
119 99.4 73.6 110.4
121 31.6 23.4 35.0

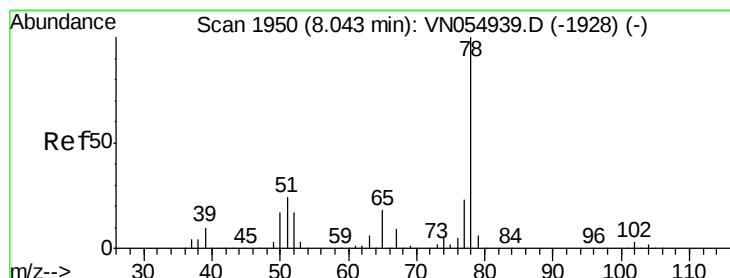
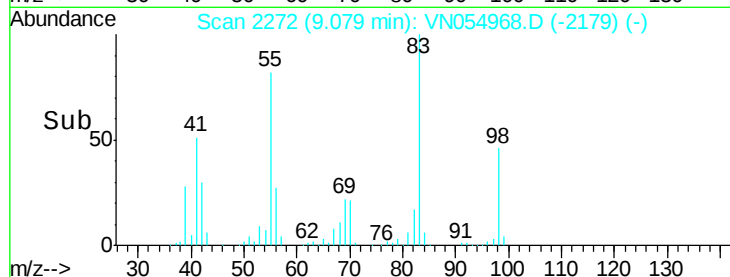
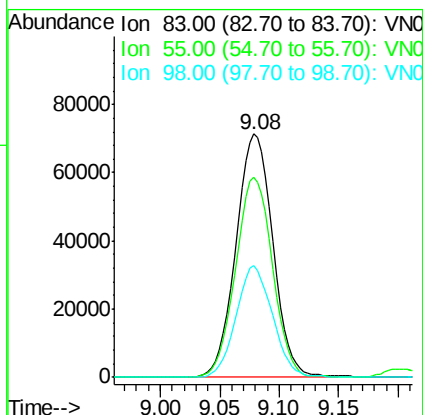
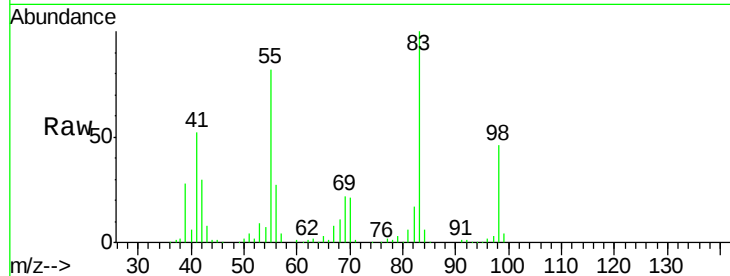




#39
Methvlcvclohexane
Concen: 19.903 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

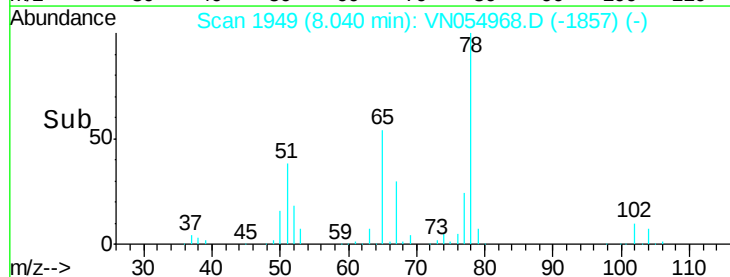
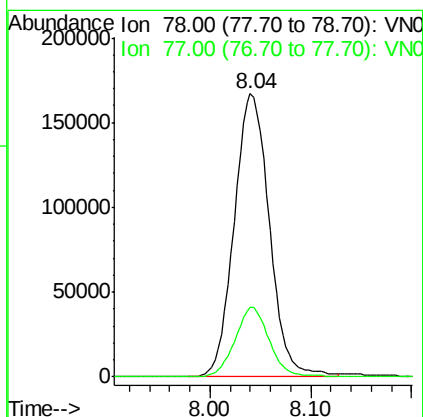
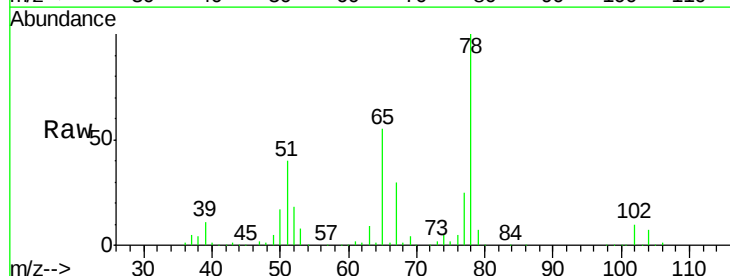
Instrument :
MSVOA_N
ClientSampled :

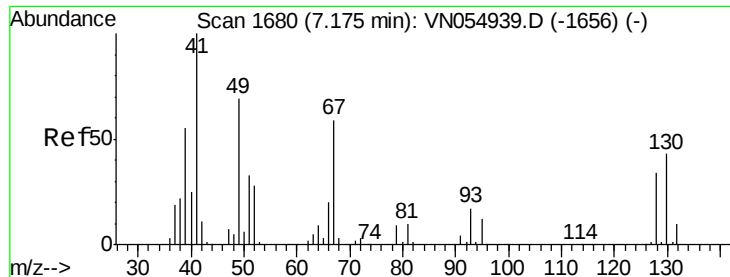
Tot Ion: 83 Resp: 153332
Ion Ratio Lower Upper
83 100
55 82.1 66.4 99.6
98 45.7 36.4 54.6



#40
Benzene
Concen: 20.109 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Tgt Ion: 78 Resp: 405195
Ion Ratio Lower Upper
78 100
77 24.6 18.6 27.8

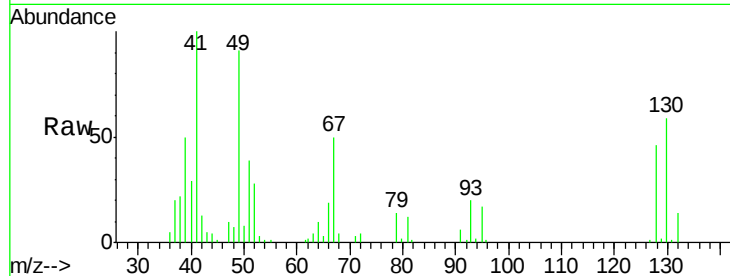




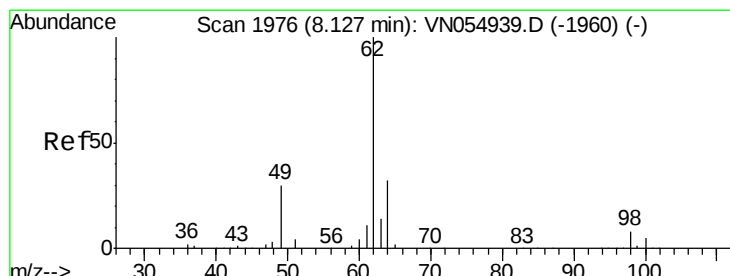
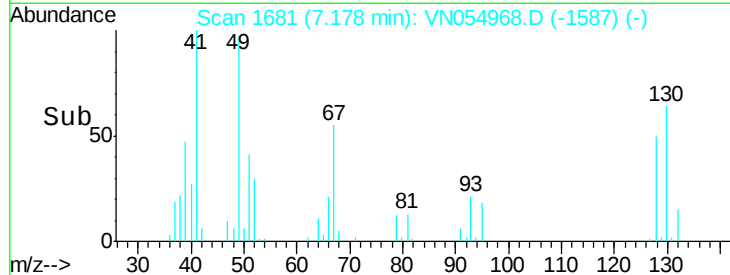
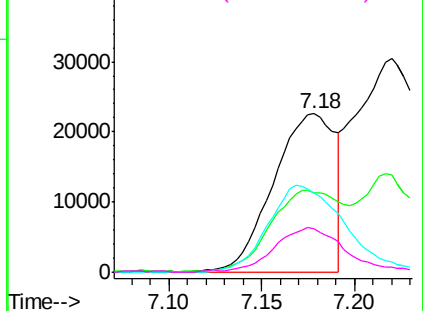
#41
Methacrylonitrile
Concen: 19.043 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	52326
Ion	Ratio	Lower	Upper
41	100		
39	61.0	43.0	64.6
67	69.0	55.0	82.6
52	33.2	24.4	36.6

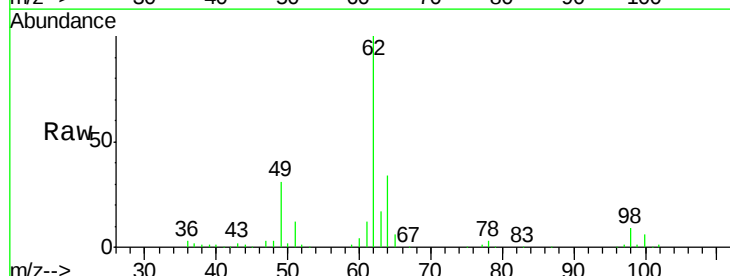


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

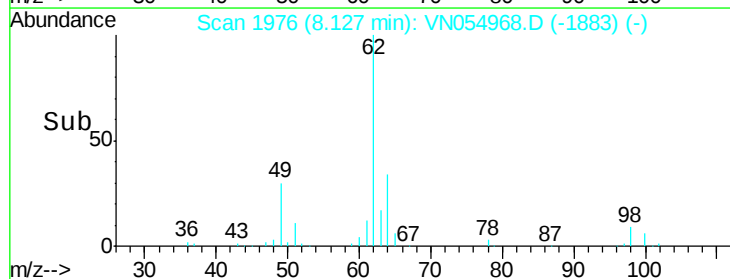
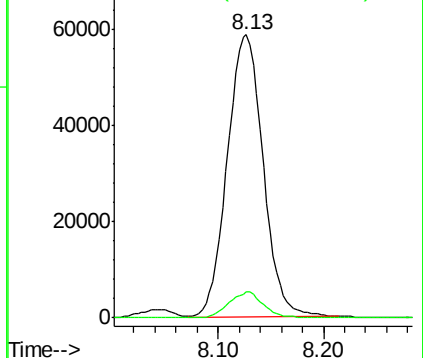


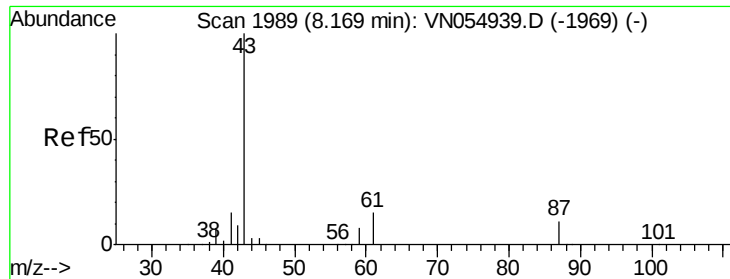
#42
1,2-Dichloroethane
Concen: 19.607 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Tgt Ion:	62	Resp:	138826
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.0



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





#43

Isopropyl Acetate

Concen: 19.568 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

ClientSampleId :

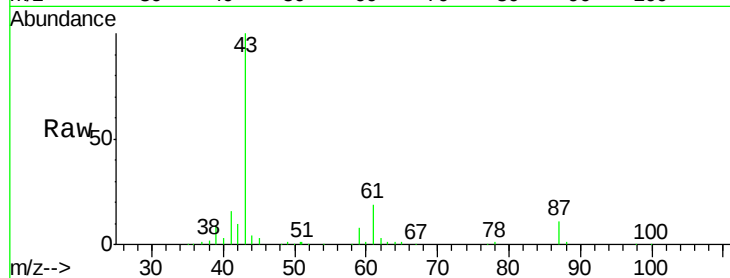
Tot Ion: 43 Resp: 158486

Ion Ratio Lower Upper

43 100

61 17.2 14.4 21.6

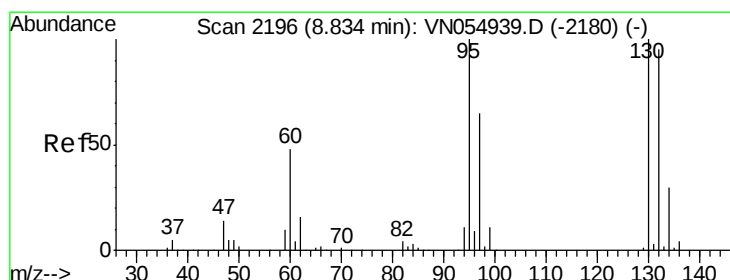
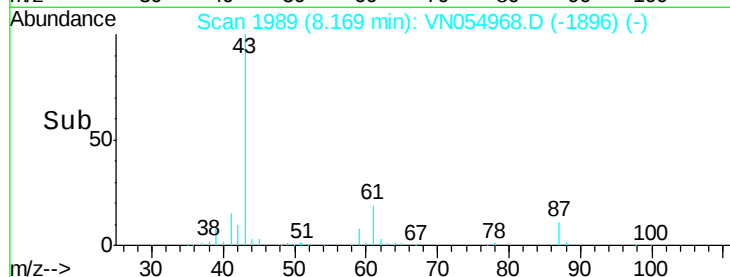
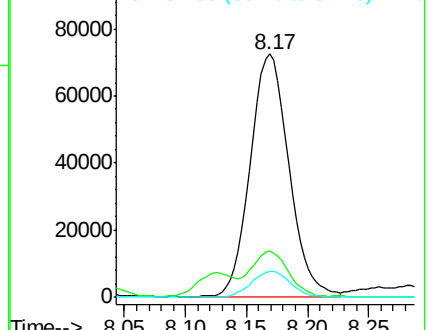
87 11.0 9.0 13.4



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: 19.940 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054968.D

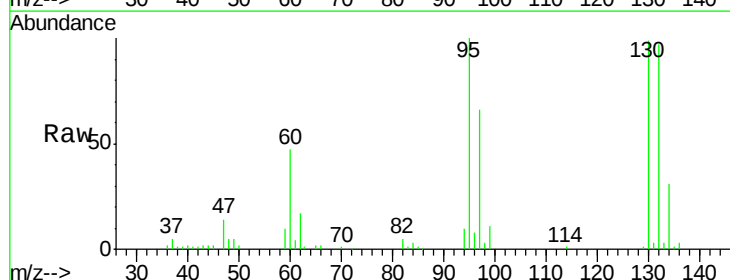
Acq: 5 Apr 2019 12:12

Tgt Ion:130 Resp: 102734

Ion Ratio Lower Upper

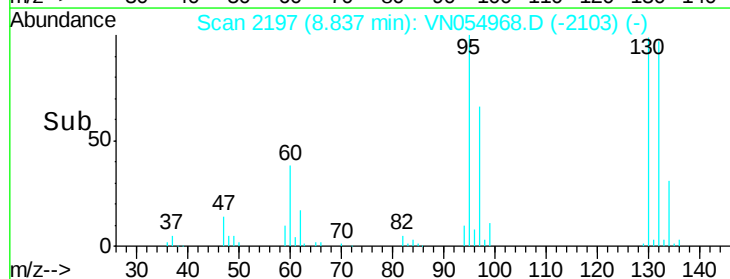
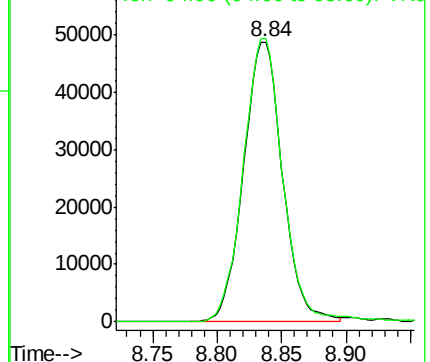
130 100

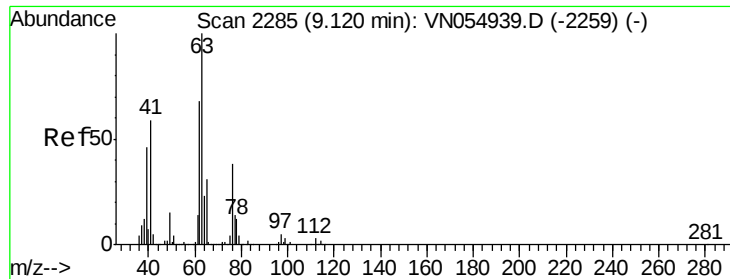
95 101.2 0.0 200.4



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: 20.306 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

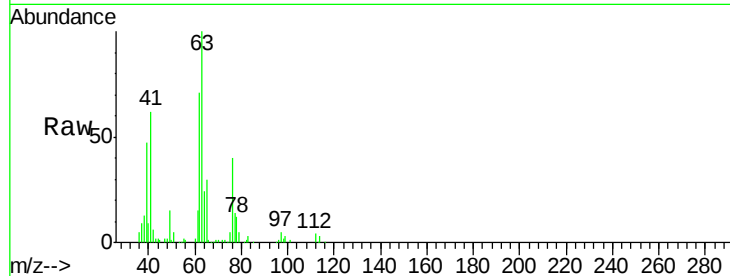
ClientSampled :

Tot Ion: 63 Resp: 114006

Ion Ratio Lower Upper

63 100

65 29.2 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

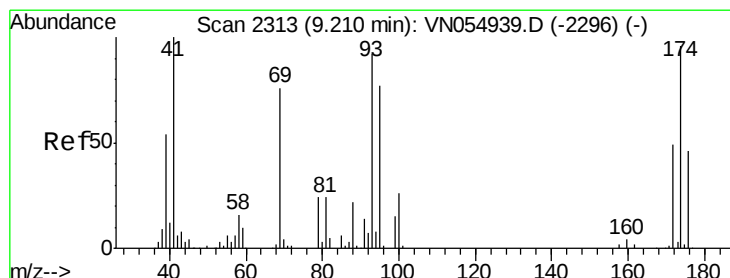
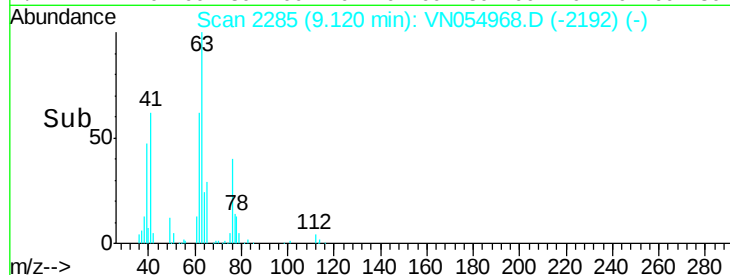
30000

20000

10000

0

Time--> 9.00 9.10 9.20



#46

Dibromomethane

Concen: 19.690 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

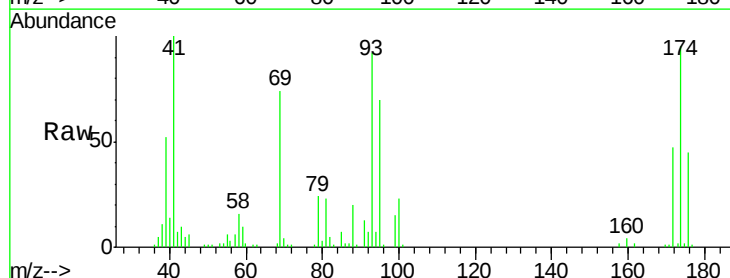
Tgt Ion: 93 Resp: 62688

Ion Ratio Lower Upper

93 100

95 81.4 66.7 100.1

174 102.8 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

9.21

40000

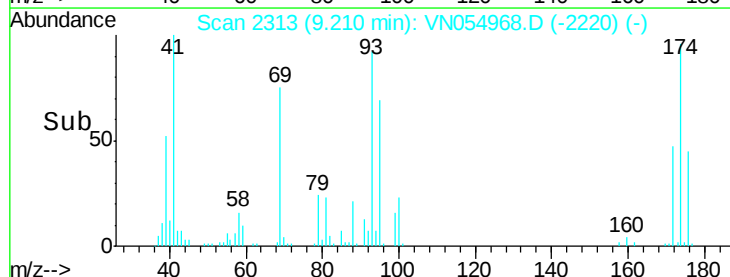
30000

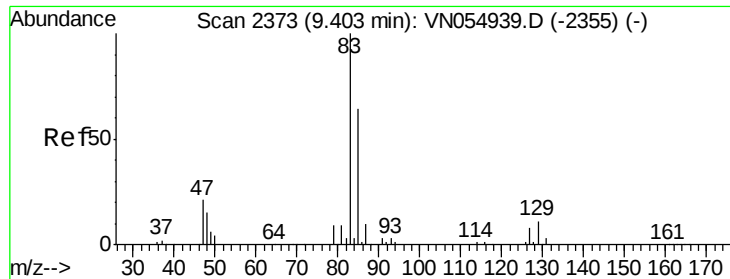
20000

10000

0

Time--> 9.10 9.15 9.20 9.25 9.30

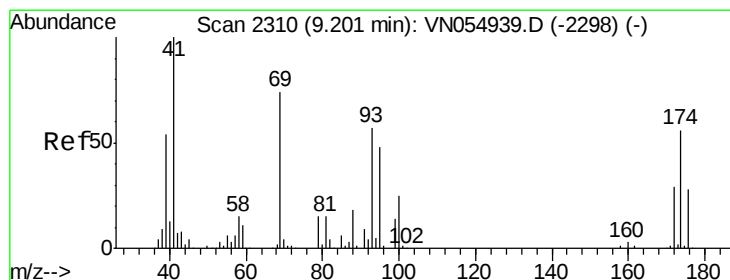
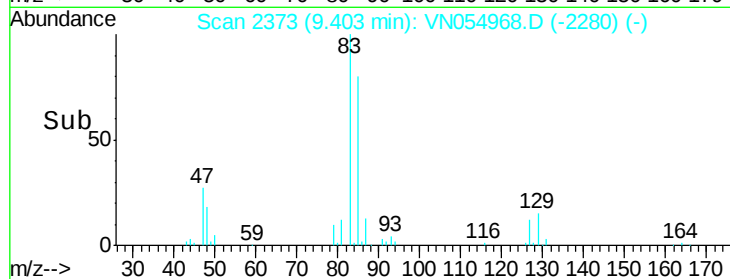
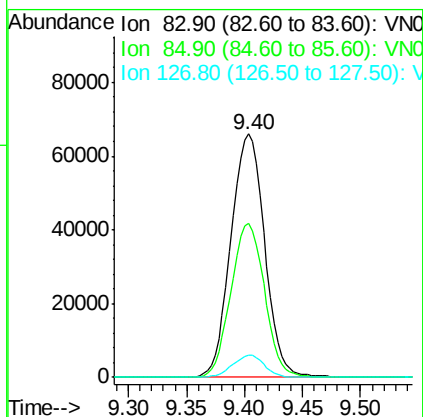
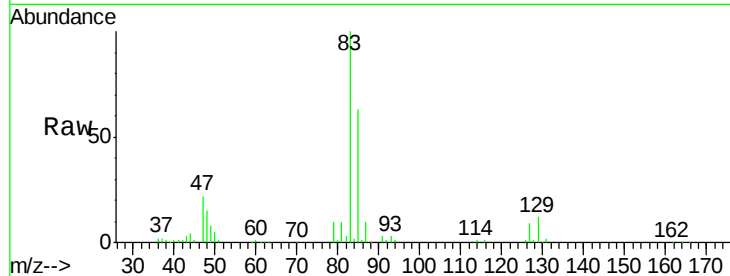




#47
Bromodichloromethane
Concen: 19.962 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

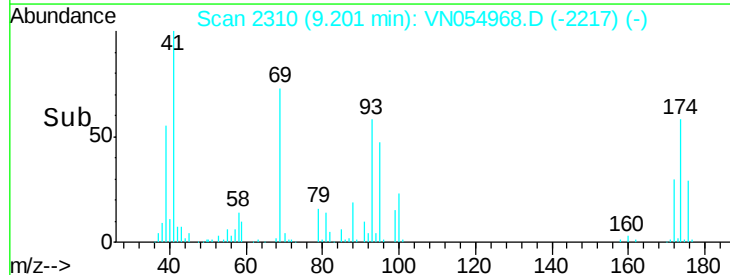
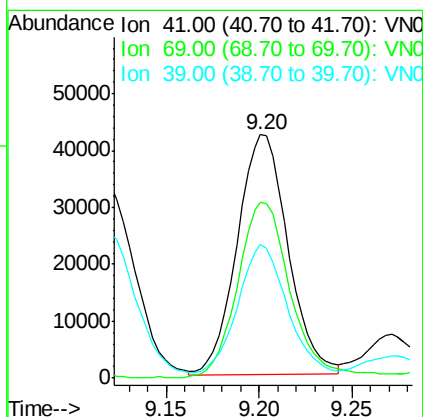
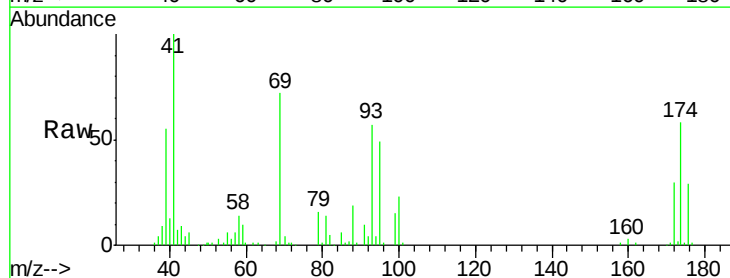
Instrument :
MSVOA_N
ClientSampled :

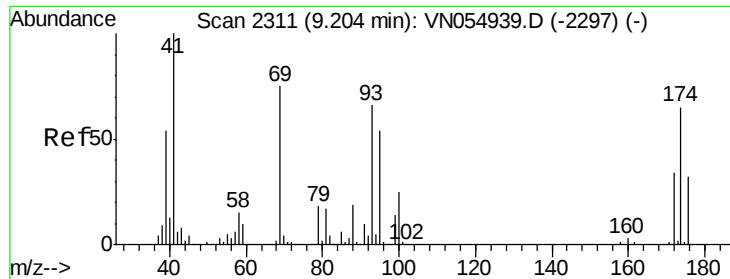
Tot Ion: 83 Resp: 133488
Ion Ratio Lower Upper
83 100
85 63.1 51.1 76.7
127 9.1 6.7 10.1



#48
Methyl methacrylate
Concen: 19.752 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Tgt Ion: 41 Resp: 80984
Ion Ratio Lower Upper
41 100
69 76.7 58.9 88.3
39 52.8 44.2 66.4





#49

1,4-Dioxane

Concen: 412.009 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

ClientSampleId :

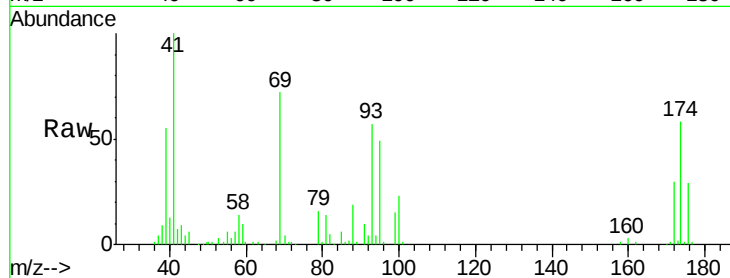
Tot Ion: 88 Resp: 17050

Ion Ratio Lower Upper

88 100

43 41.8 31.5 47.3

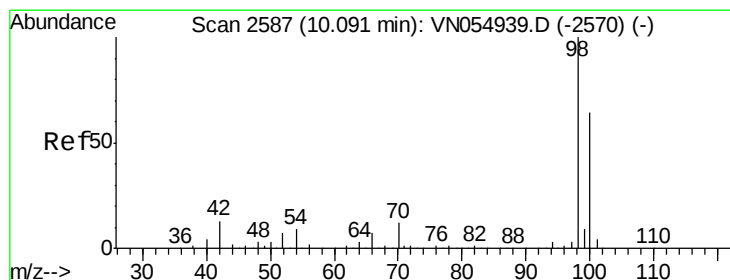
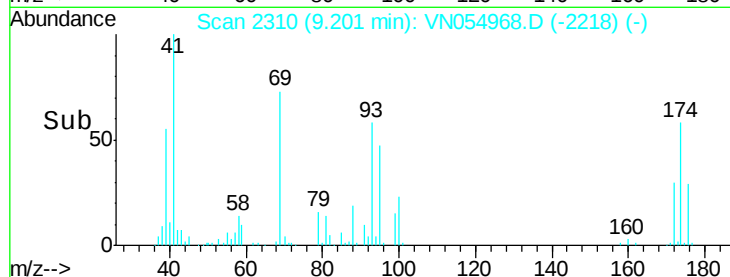
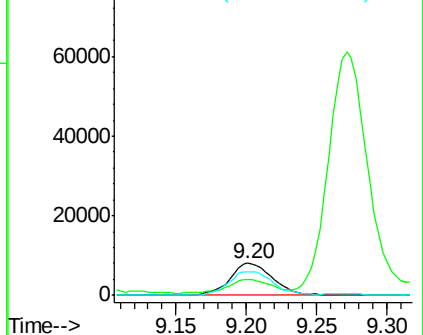
58 78.3 61.9 92.9



Abundance Ion 88.00 (87.70 to 88.70): VN054939.D (-2297) (-)

Ion 43.00 (42.70 to 43.70): VN054939.D (-2297) (-)

Ion 58.00 (57.70 to 58.70): VN054939.D (-2297) (-)



#50

Toluene-d8

Concen: 51.261 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054968.D

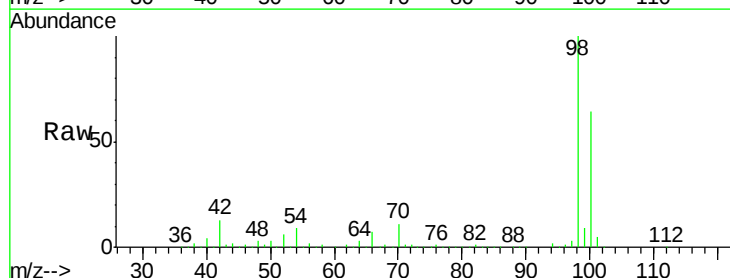
Acq: 5 Apr 2019 12:12

Tgt Ion: 98 Resp: 894815

Ion Ratio Lower Upper

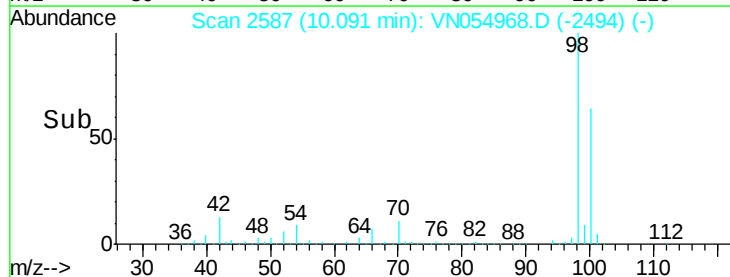
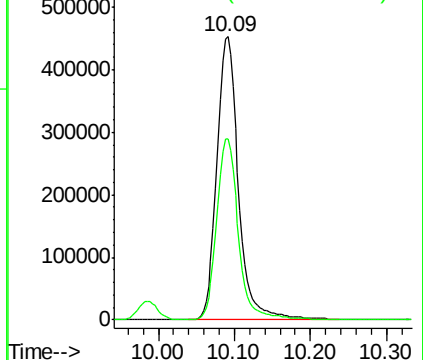
98 100

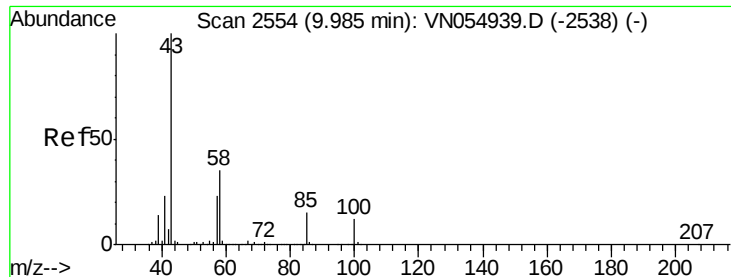
100 64.1 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN054939.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN054939.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 99.615 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

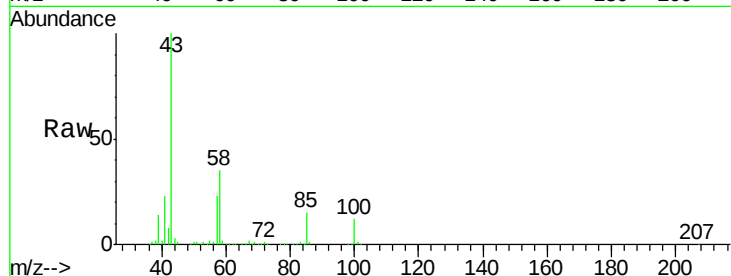
ClientSampled :

Tot Ion: 43 Resp: 450076

Ion Ratio Lower Upper

43 100

58 34.9 28.3 42.5



Abundance Ion 43.00 (42.70 to 43.70): VN054939.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN054939.D (-2538) (-)

9.99

250000

200000

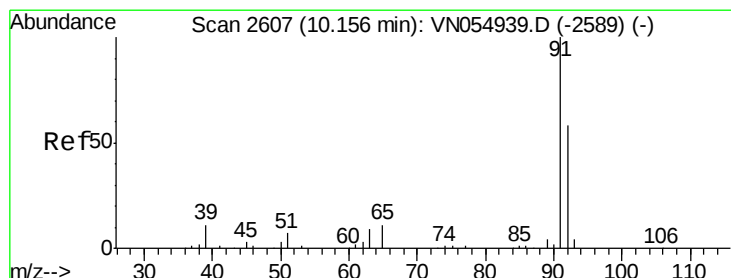
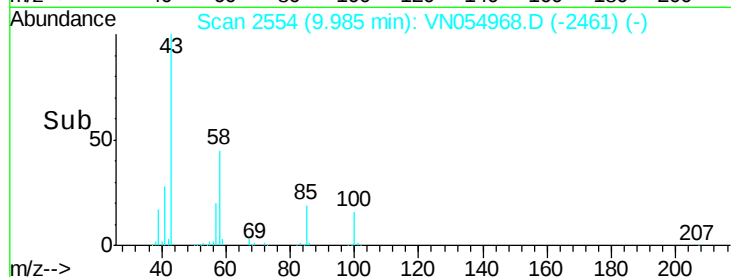
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.327 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054968.D

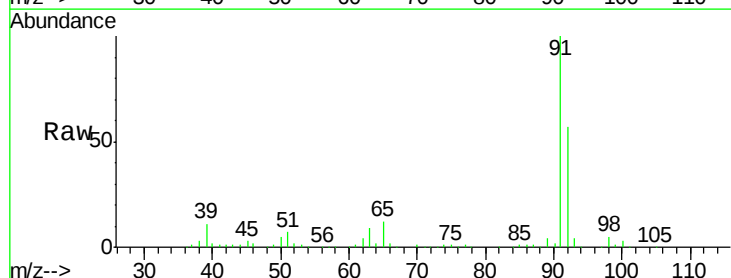
Acq: 5 Apr 2019 12:12

Tgt Ion: 92 Resp: 241426

Ion Ratio Lower Upper

92 100

91 177.4 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VN054939.D (-2589) (-)

Ion 91.00 (90.70 to 91.70): VN054939.D (-2589) (-)

10.16

250000

200000

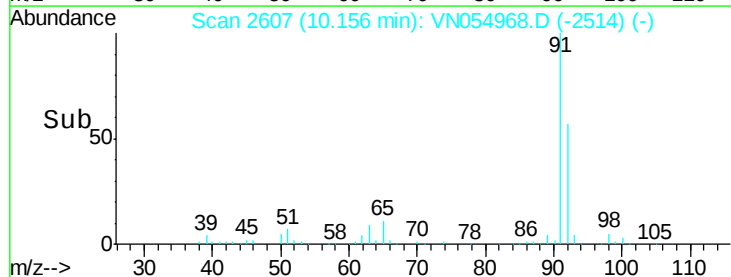
150000

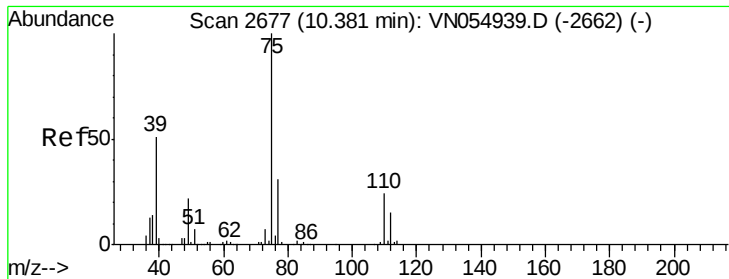
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.721 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

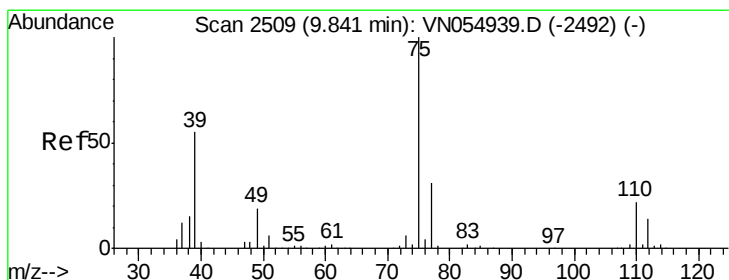
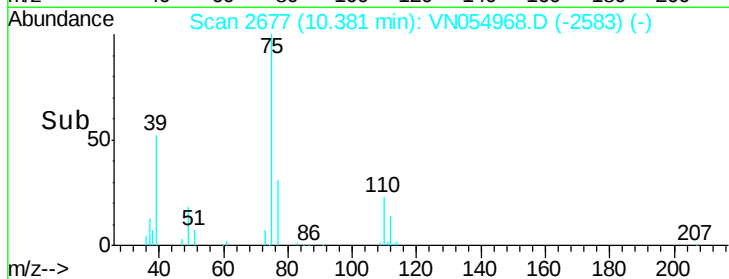
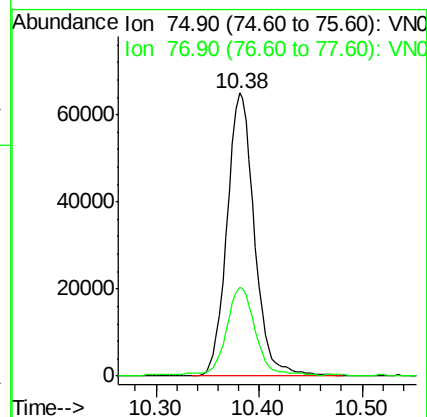
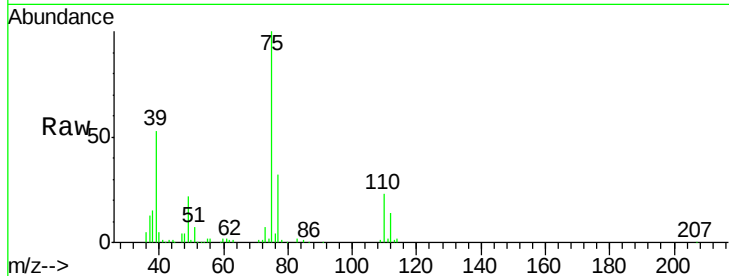
ClientSampleId :

Tot Ion: 75 Resp: 120325

Ion Ratio Lower Upper

75 100

77 30.9 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 20.116 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

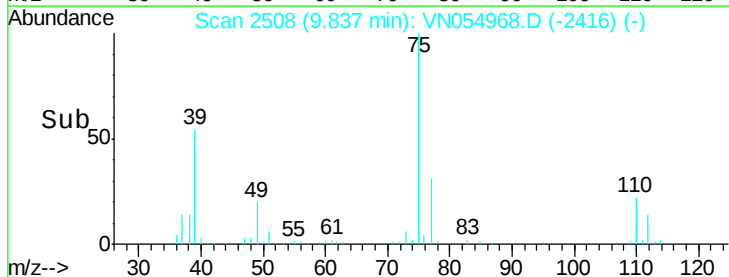
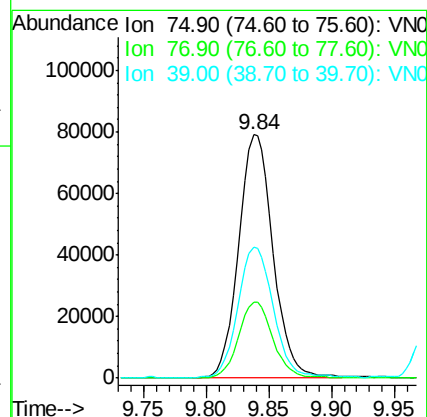
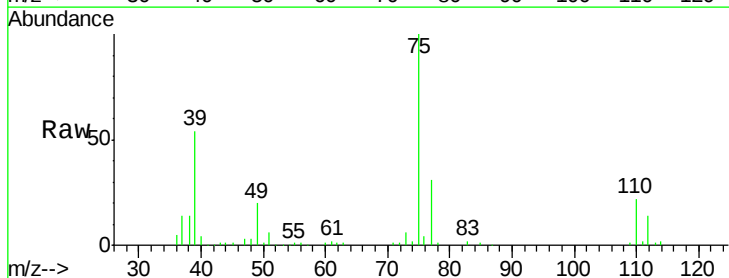
Tgt Ion: 75 Resp: 151401

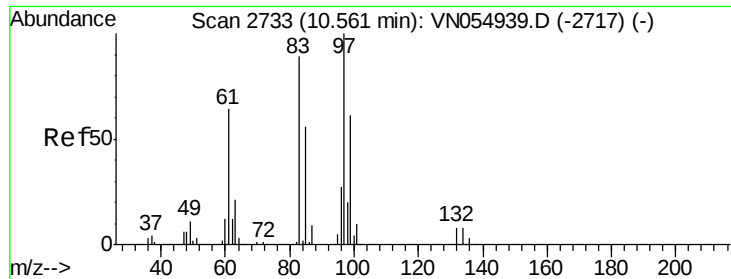
Ion Ratio Lower Upper

75 100

77 31.1 25.0 37.4

39 53.5 43.9 65.9





#55

1,1,2-Trichloroethane

Concen: 19.851 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 85481

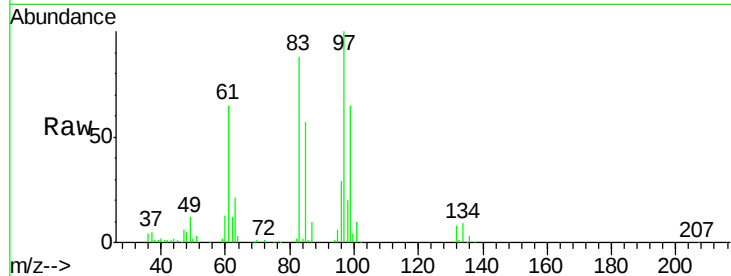
Ion	Ratio	Lower	Upper
97	100		
83	88.3	71.5	107.3
85	56.8	45.0	67.6
99	65.0	49.1	73.7

97 100

83 88.3 71.5 107.3

85 56.8 45.0 67.6

99 65.0 49.1 73.7

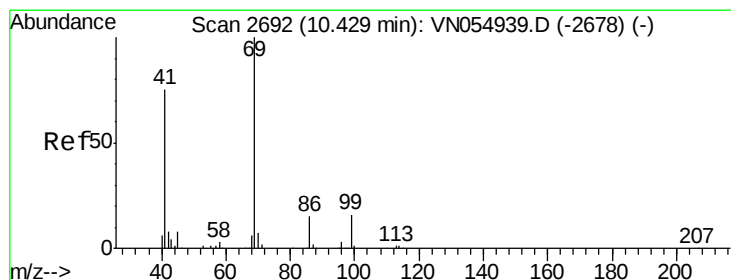
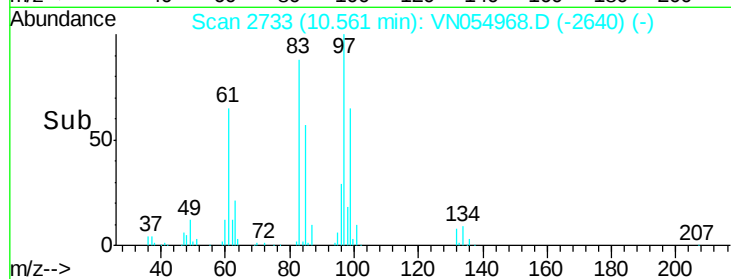
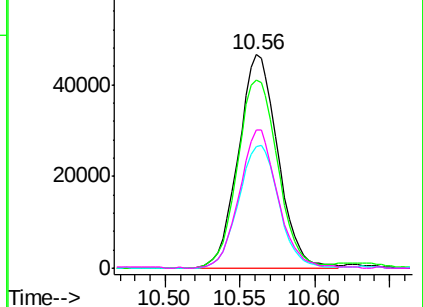


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.264 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

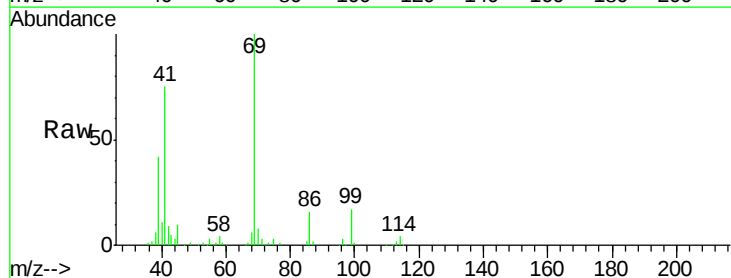
Tgt Ion: 69 Resp: 108459

Ion	Ratio	Lower	Upper
69	100		
41	74.1	60.2	90.2
39	41.6	31.3	46.9

69 100

41 74.1 60.2 90.2

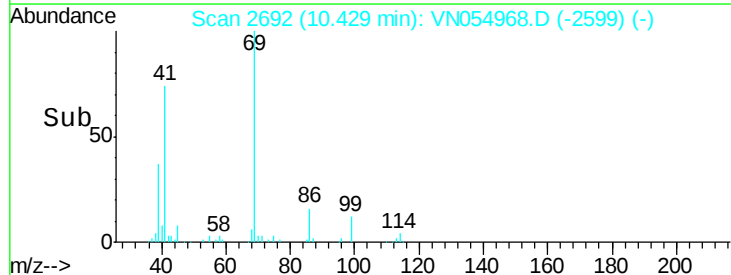
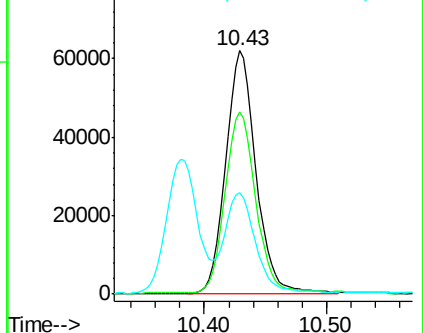
39 41.6 31.3 46.9

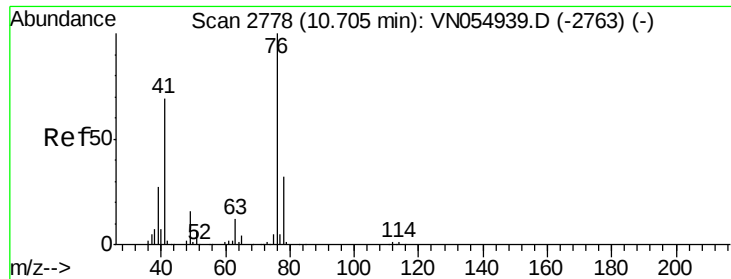


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

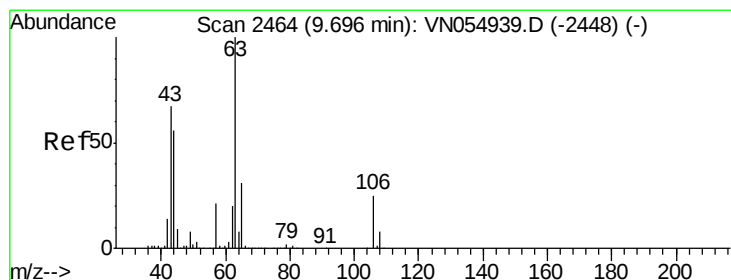
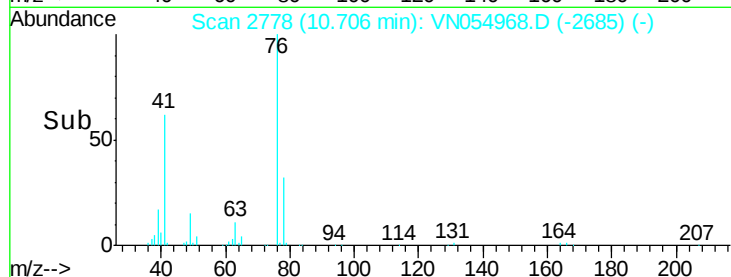
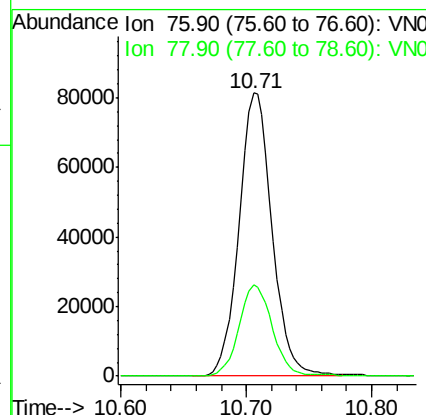
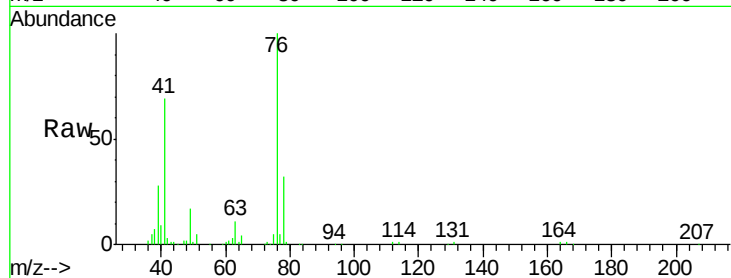




#57
 1,3-Dichloropropane
 Concen: 19.798 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN054968.D
 Acq: 5 Apr 2019 12:12

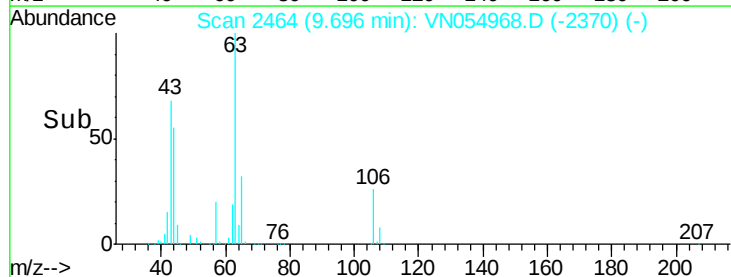
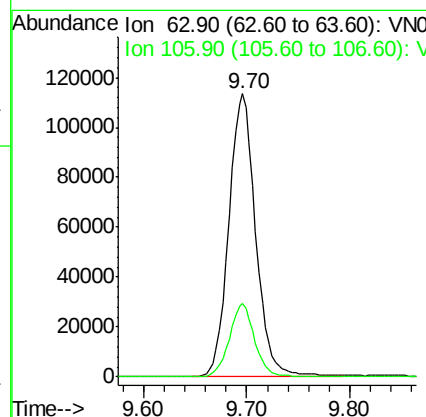
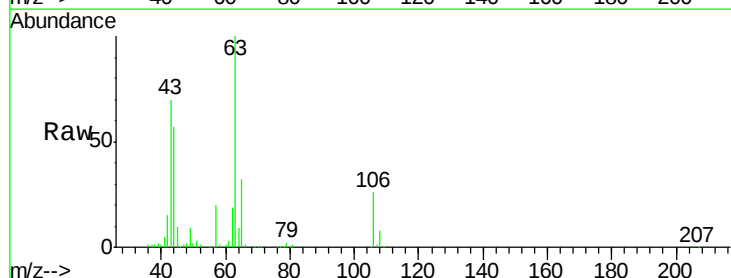
Instrument :
 MSVOA_N
 ClientSampled :

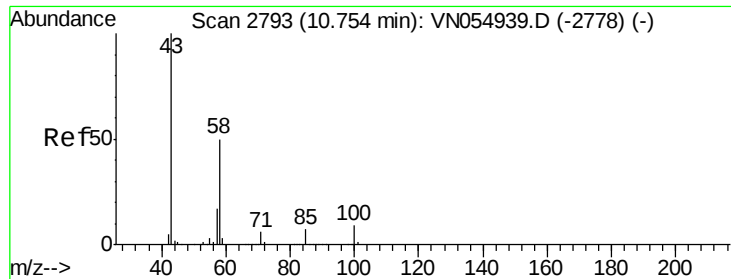
Tot Ion: 76 Resp: 148891
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.156 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054968.D
 Acq: 5 Apr 2019 12:12

Tgt Ion: 63 Resp: 206469
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.7 29.5

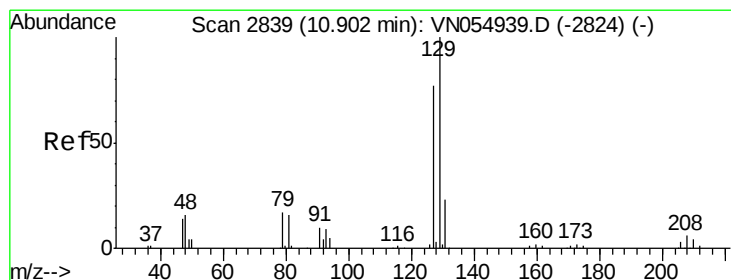
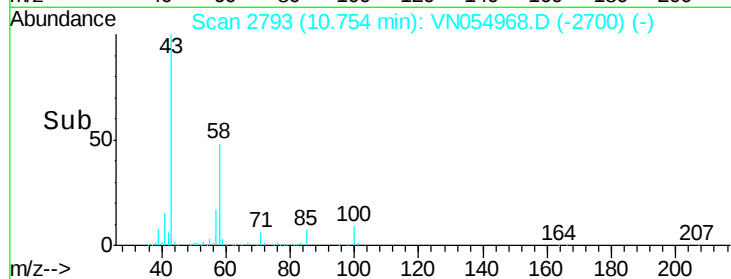
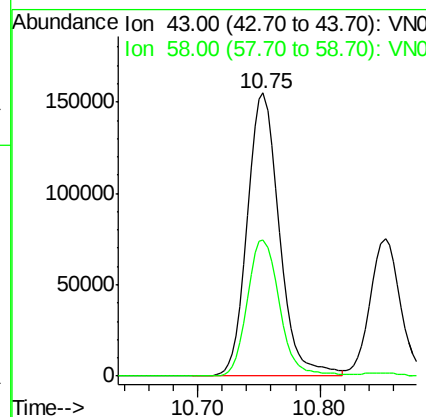
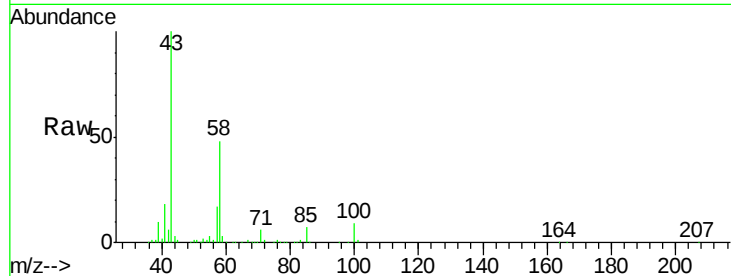




#59
2-Hexanone
Concen: 98.702 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

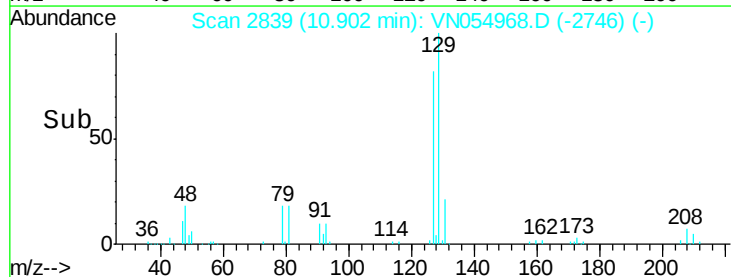
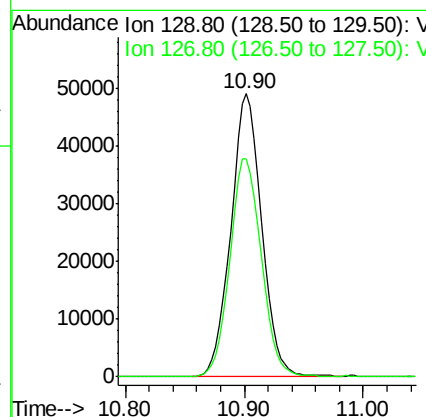
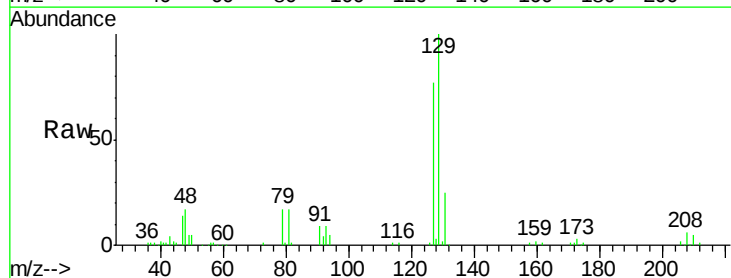
Instrument :
MSVOA_N
ClientSampleId :

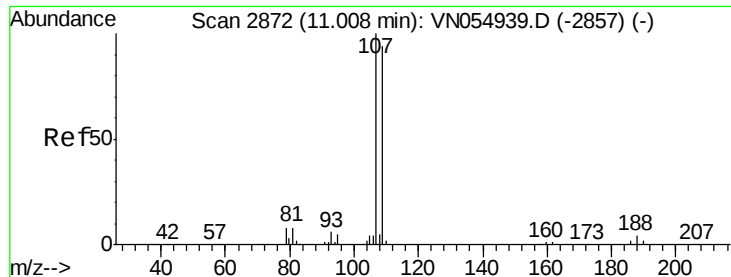
Tot Ion: 43 Resp: 278549
Ion Ratio Lower Upper
43 100
58 48.9 24.6 73.8



#60
Dibromochloromethane
Concen: 19.590 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Tgt Ion: 129 Resp: 88359
Ion Ratio Lower Upper
129 100
127 78.5 38.4 115.2

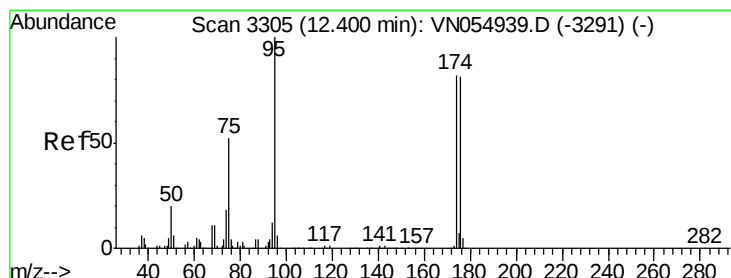
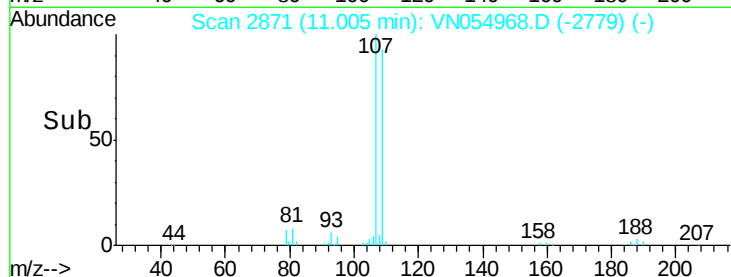
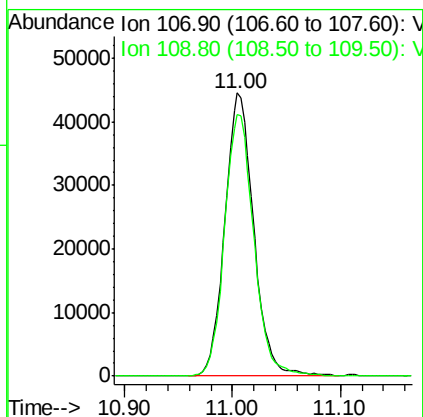
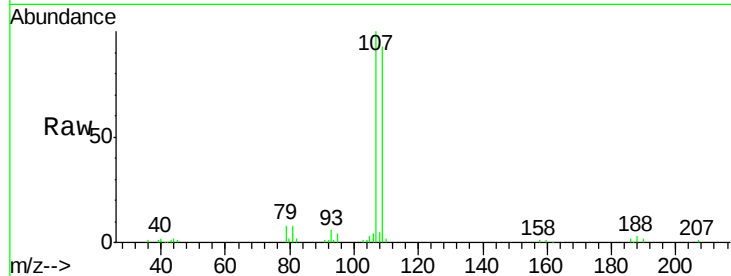




#61
 1,2-Dibromoethane
 Concen: 20.504 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054968.D
 Acq: 5 Apr 2019 12:12

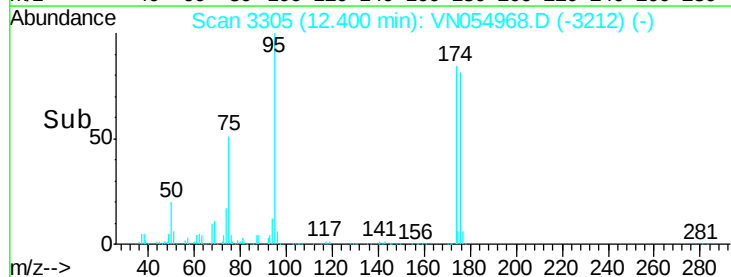
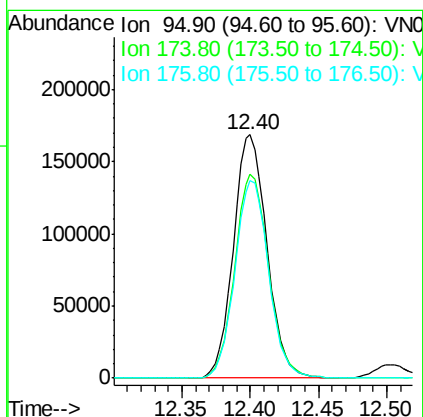
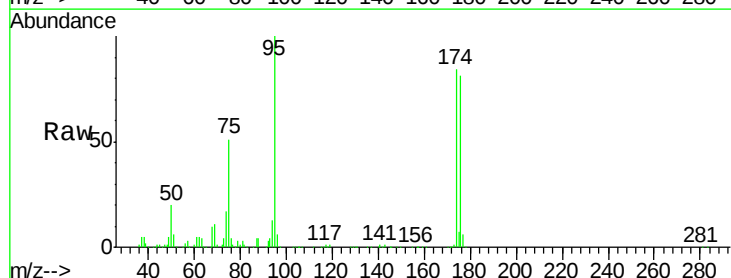
Instrument :
 MSVOA_N
 ClientSampled :

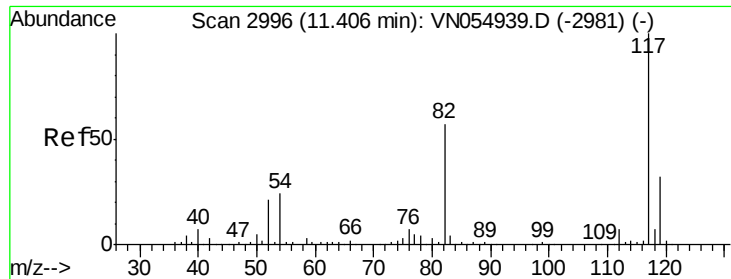
Tot Ion:107 Resp: 83016
 Ion Ratio Lower Upper
 107 100
 109 93.9 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 49.495 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054968.D
 Acq: 5 Apr 2019 12:12

Tgt Ion: 95 Resp: 288336
 Ion Ratio Lower Upper
 95 100
 174 84.7 0.0 166.2
 176 81.6 0.0 163.2

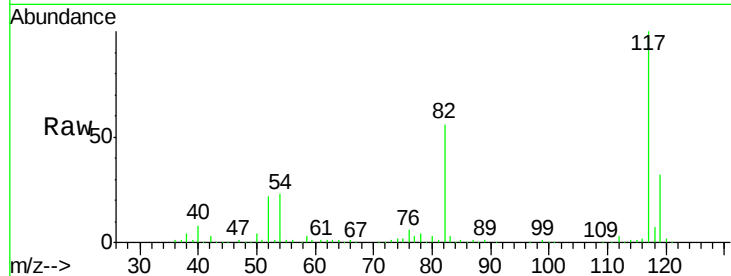




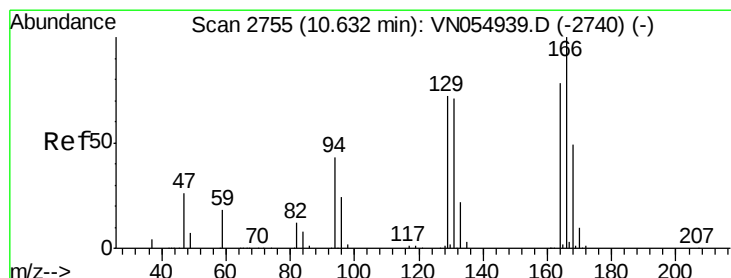
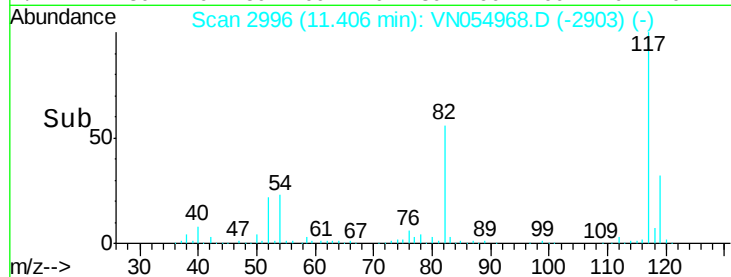
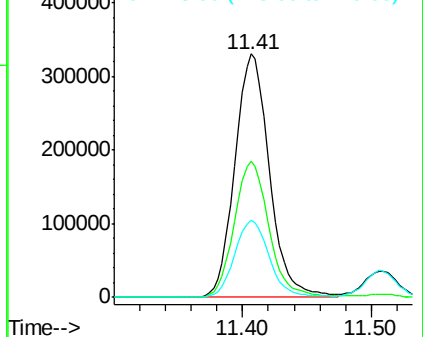
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 616679
Ion Ratio Lower Upper
117 100
82 55.8 45.3 67.9
119 31.7 25.8 38.6

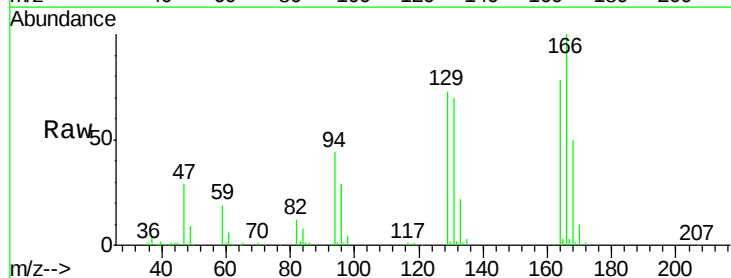


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

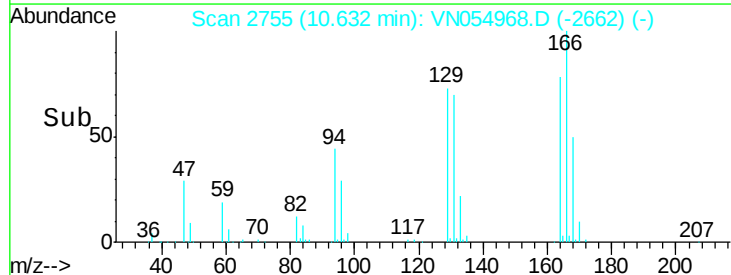
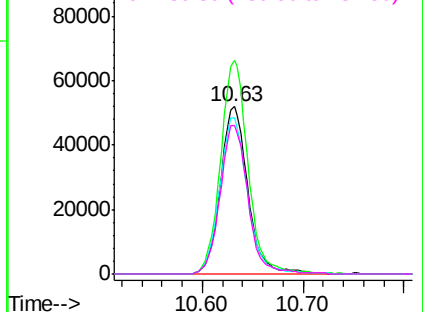


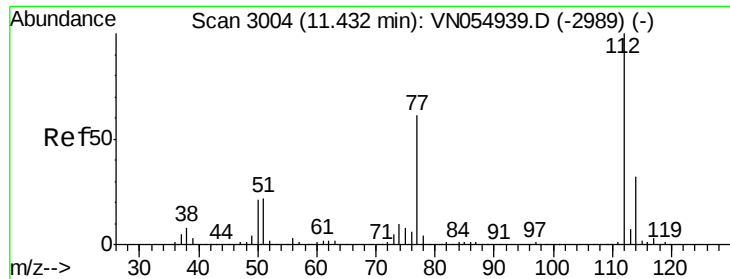
#64
Tetrachloroethene
Concen: 19.879 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Tgt Ion:164 Resp: 98870
Ion Ratio Lower Upper
164 100
166 127.8 103.1 154.7
129 93.8 73.9 110.9
131 89.1 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

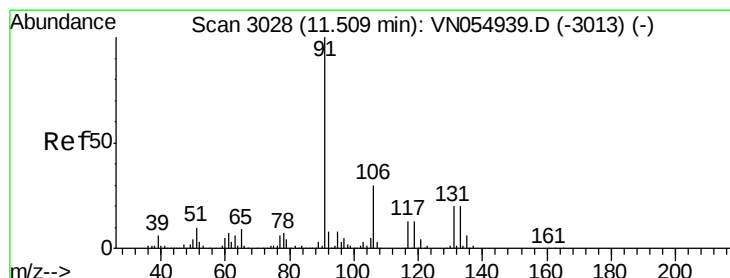
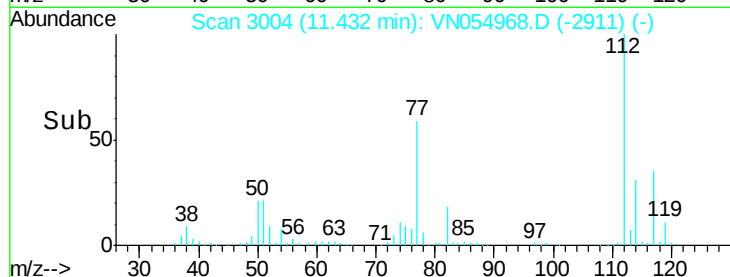
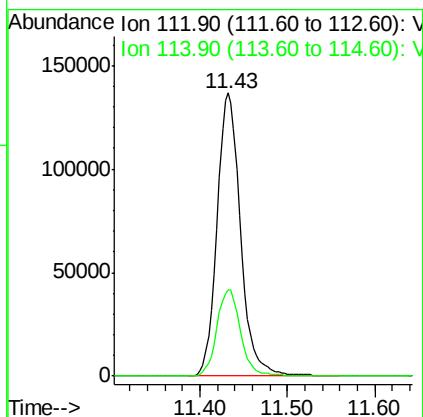
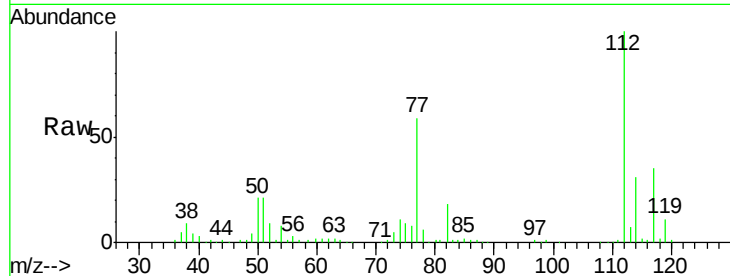




#65
Chlorobenzene
Concen: 20.275 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

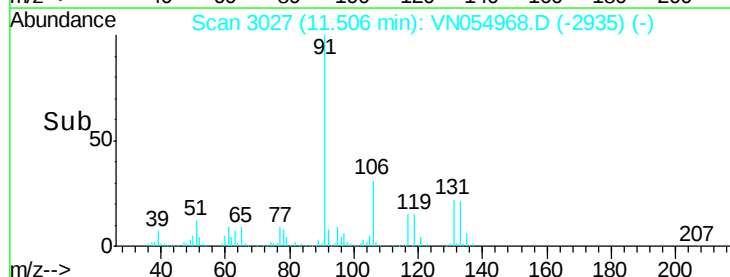
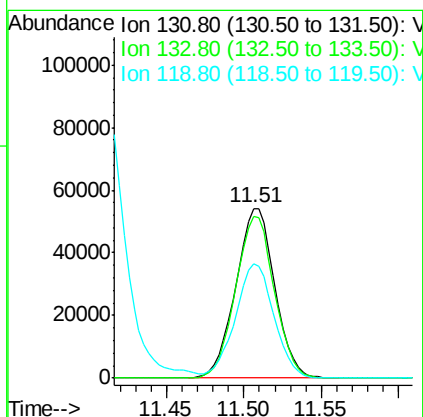
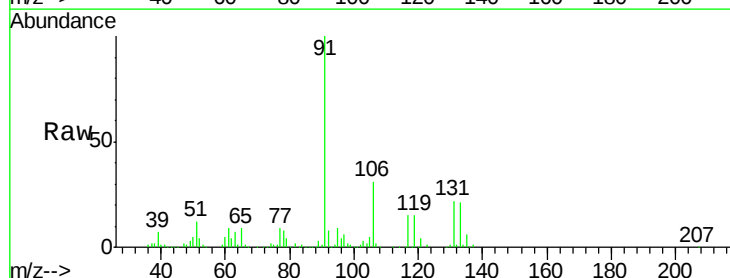
Instrument :
MSVOA_N
ClientSampleId :

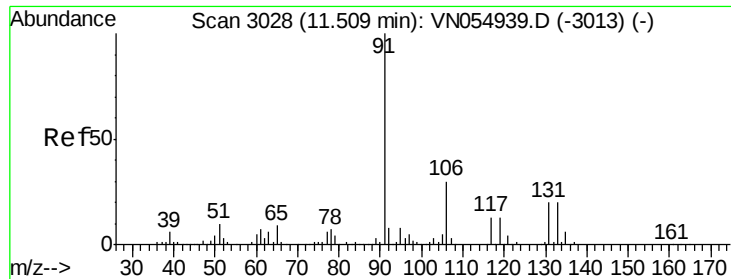
Tot Ion:112 Resp: 254851
Ion Ratio Lower Upper
112 100
114 30.6 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.629 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Tgt Ion:131 Resp: 94937
Ion Ratio Lower Upper
131 100
133 94.5 48.1 144.4
119 66.8 33.1 99.2

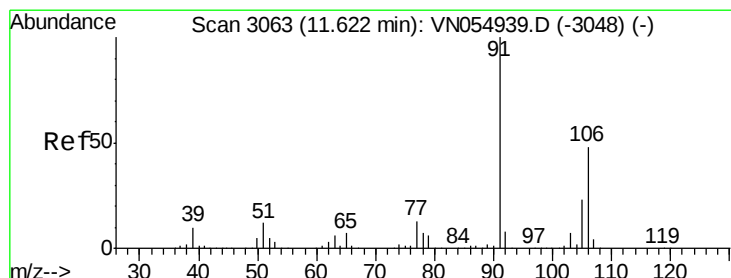
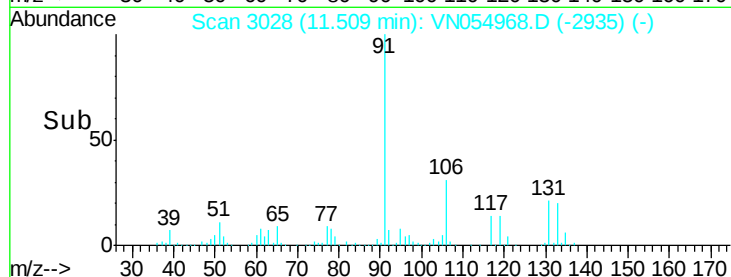
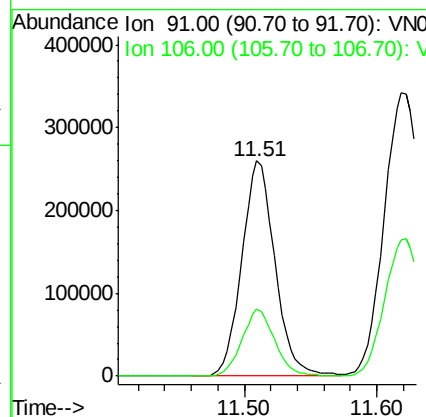
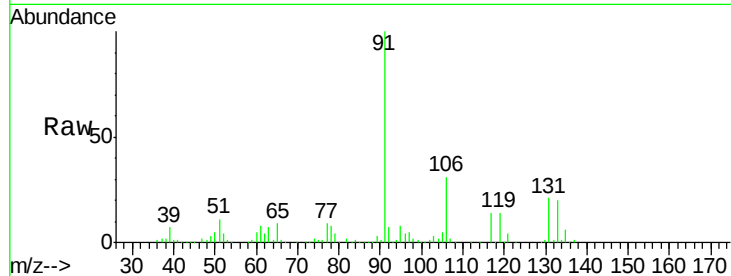




#67
Ethyl Benzene
Concen: 19.987 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

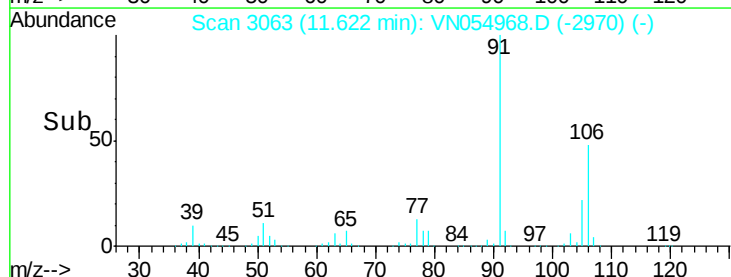
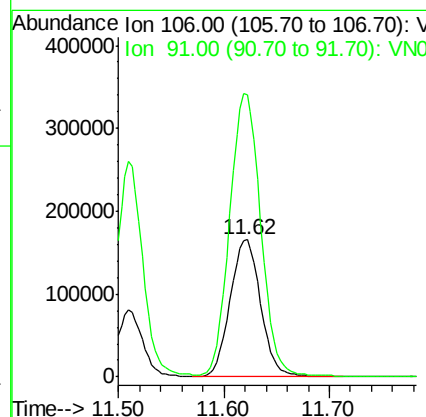
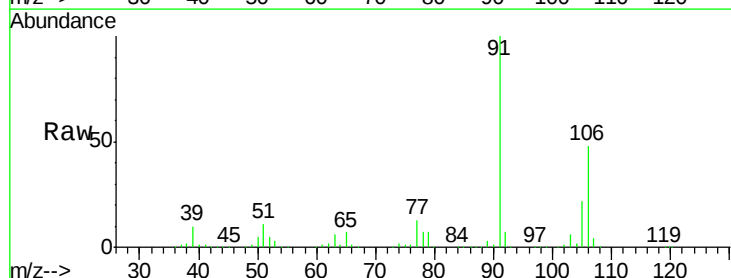
Instrument :
MSVOA_N
ClientSampled :

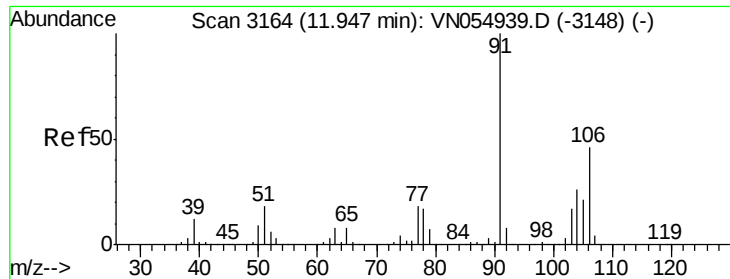
Tot Ion: 91 Resp: 452984
Ion Ratio Lower Upper
91 100
106 31.0 24.1 36.1



#68
m/p-Xylenes
Concen: 39.963 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Tgt Ion: 106 Resp: 331089
Ion Ratio Lower Upper
106 100
91 210.8 167.4 251.2

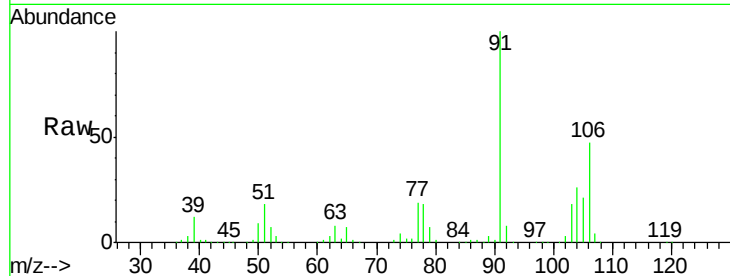




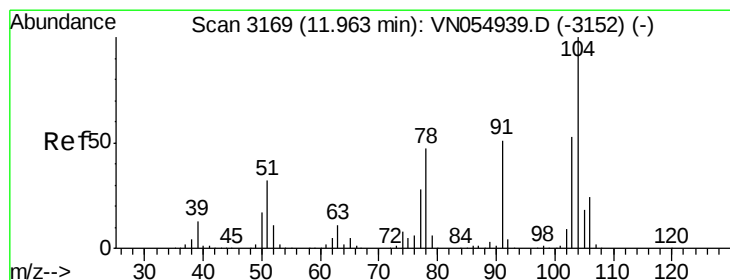
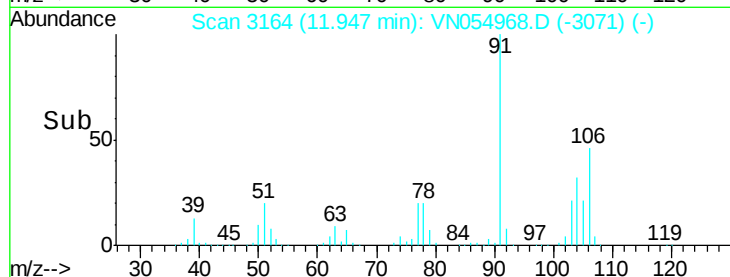
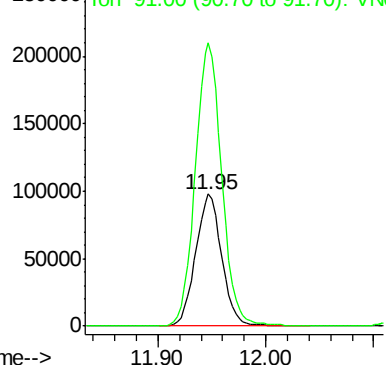
#69
o-Xylene
Concen: 20.373 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 164641
Ion Ratio Lower Upper
106 100
91 217.4 109.9 329.7

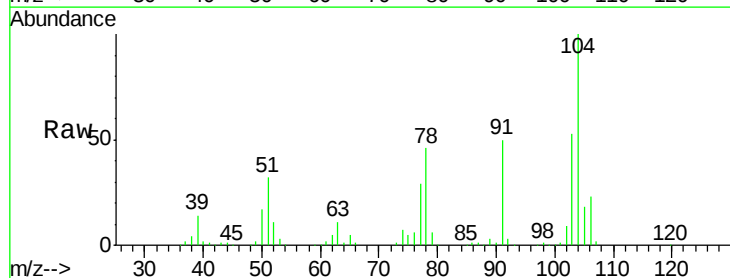


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

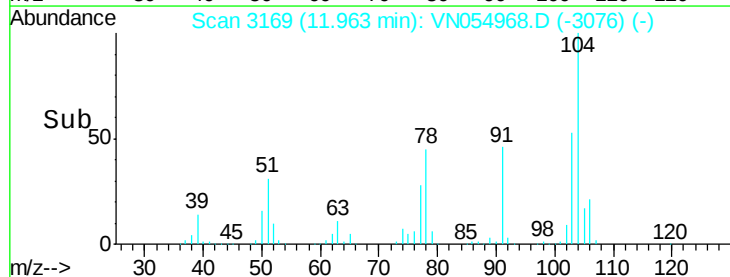
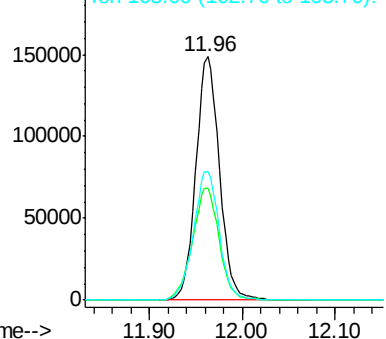


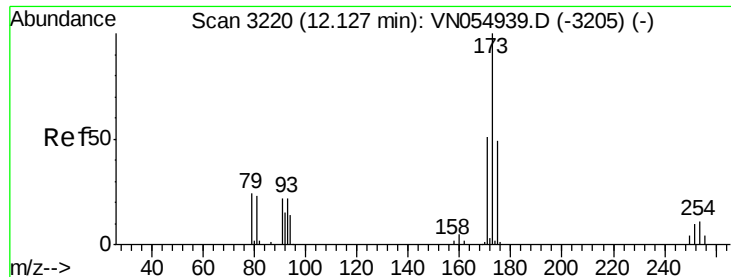
#70
Styrene
Concen: 20.277 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Tgt Ion:104 Resp: 262831
Ion Ratio Lower Upper
104 100
78 51.8 41.1 61.7
103 57.7 45.0 67.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

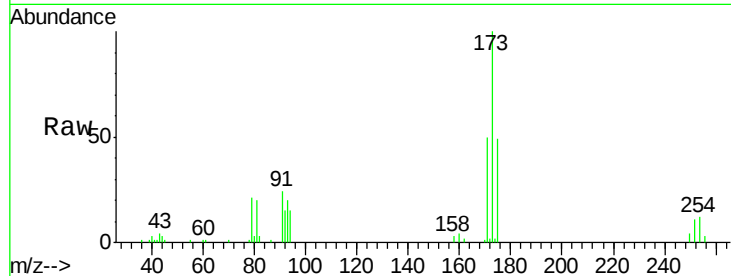




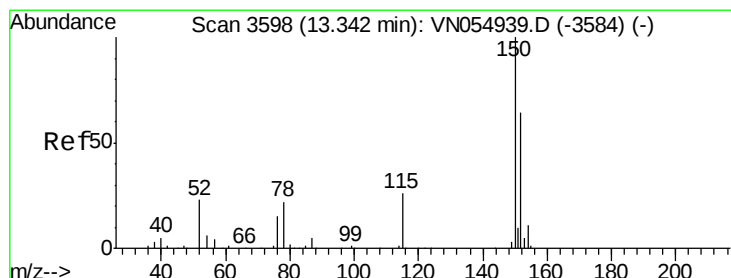
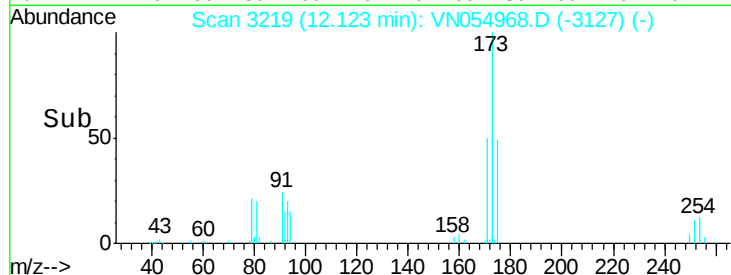
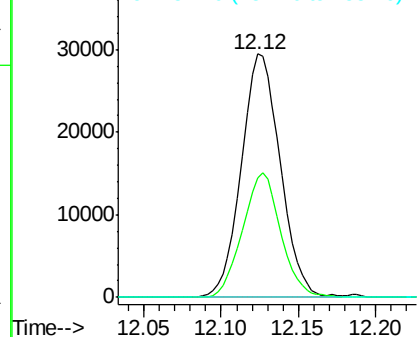
#71
Bromoform
Concen: 18.654 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 51602
Ion Ratio Lower Upper
173 100
175 50.0 24.1 72.4
254 0.0 0.0 0.0

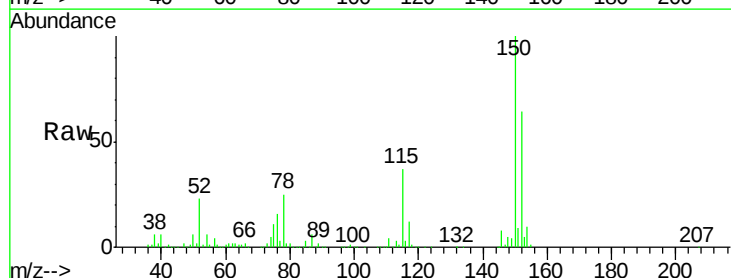


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

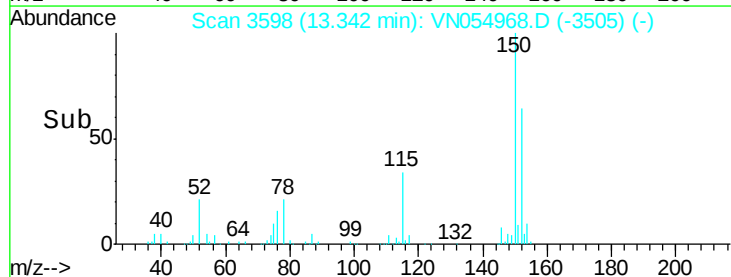
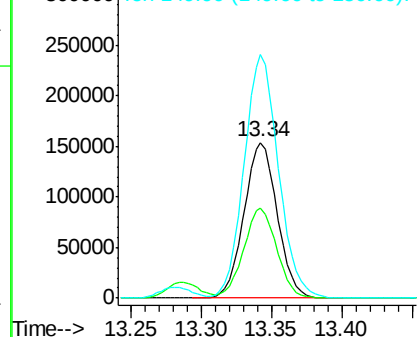


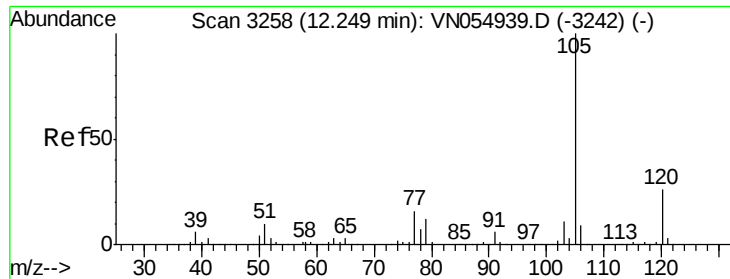
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Tgt Ion:152 Resp: 253754
Ion Ratio Lower Upper
152 100
115 57.6 28.9 86.8
150 162.4 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: 20.286 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

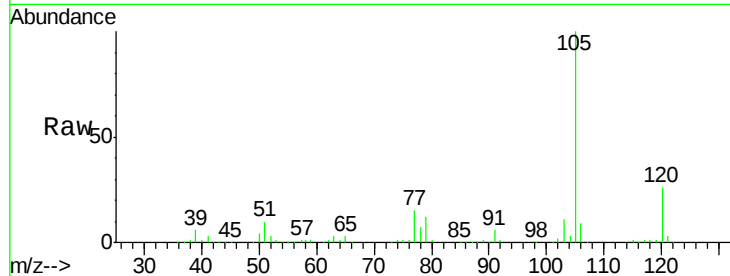
ClientSampleId :

Tot Ion:105 Resp: 434850

Ion Ratio Lower Upper

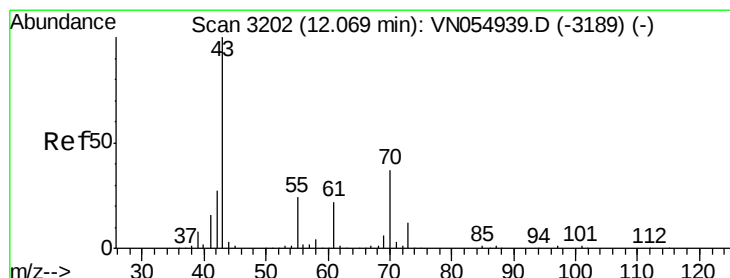
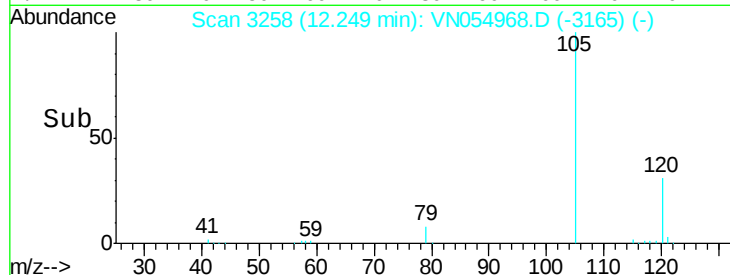
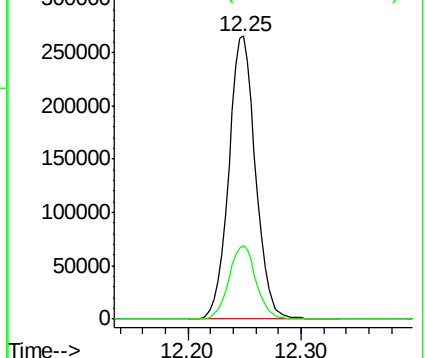
105 100

120 26.5 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.257 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Tgt Ion: 43 Resp: 120698

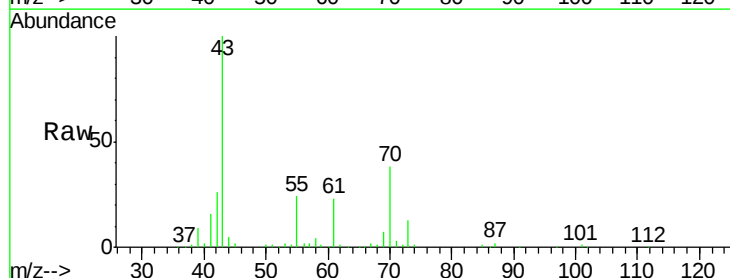
Ion Ratio Lower Upper

43 100

70 36.9 29.3 43.9

55 24.9 19.2 28.8

61 22.3 17.4 26.2

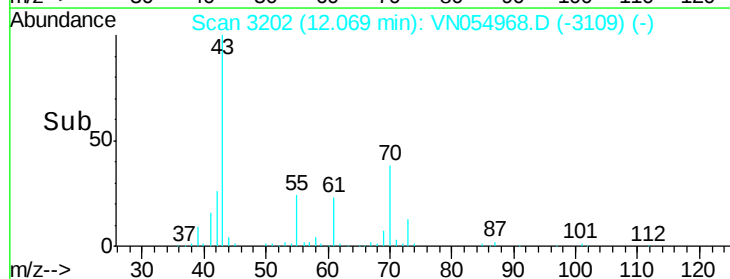
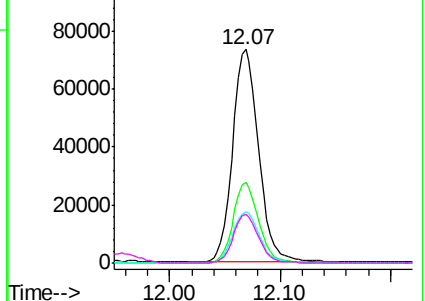


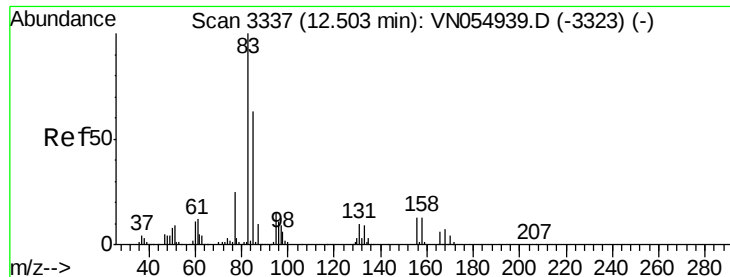
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.768 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

ClientSampleId :

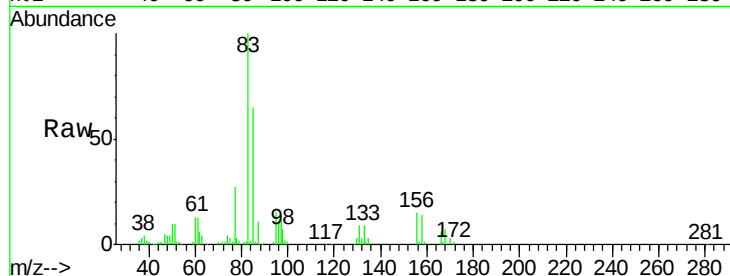
Tot Ion: 83 Resp: 104143

Ion Ratio Lower Upper

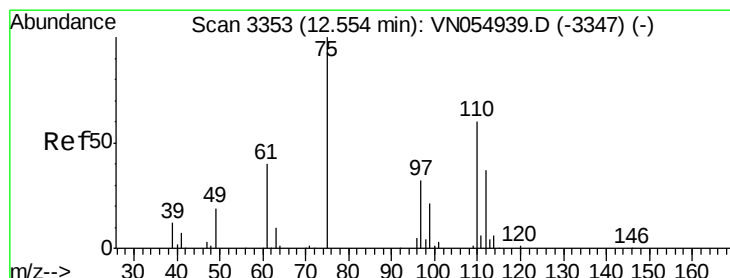
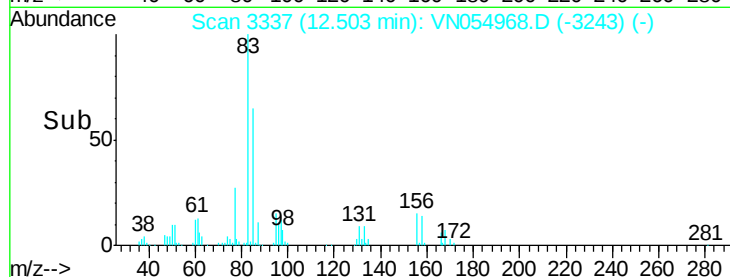
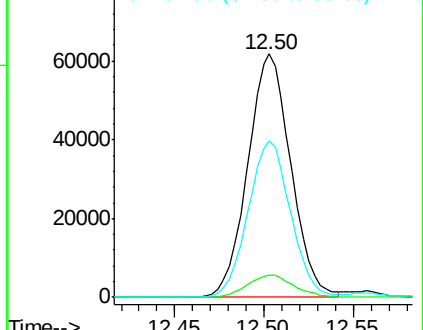
83 100

131 9.8 5.0 15.0

85 63.5 31.4 94.0



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 28.891 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054968.D

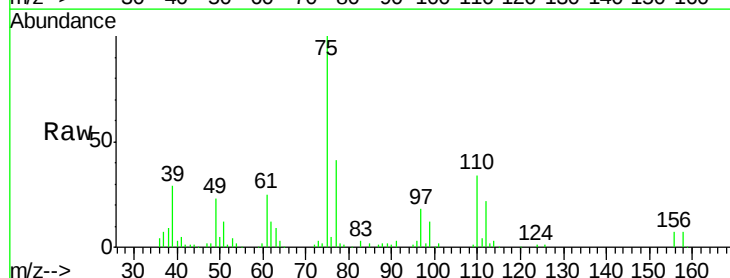
Acq: 5 Apr 2019 12:12

Tgt Ion: 75 Resp: 118944

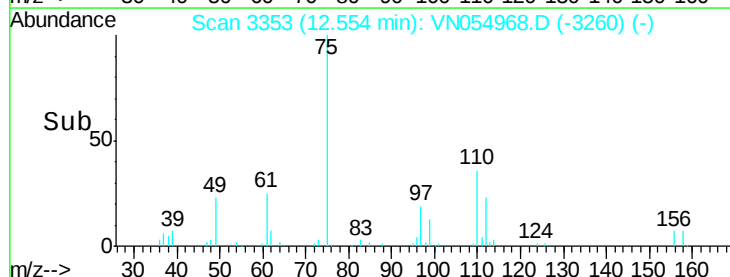
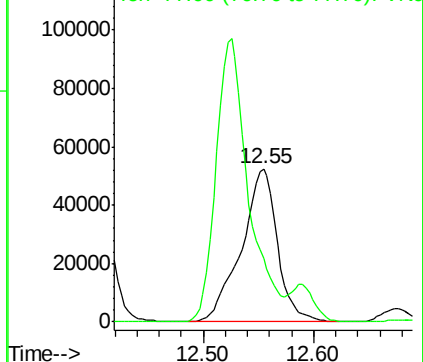
Ion Ratio Lower Upper

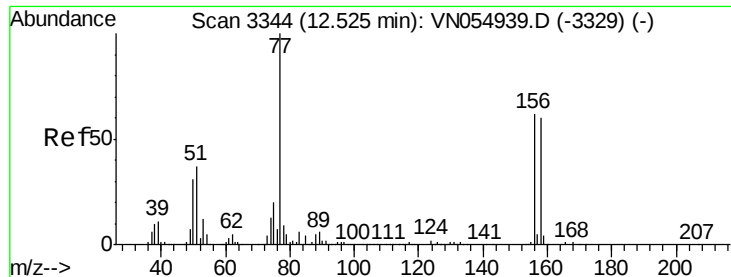
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 19.813 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

ClientSampleId :

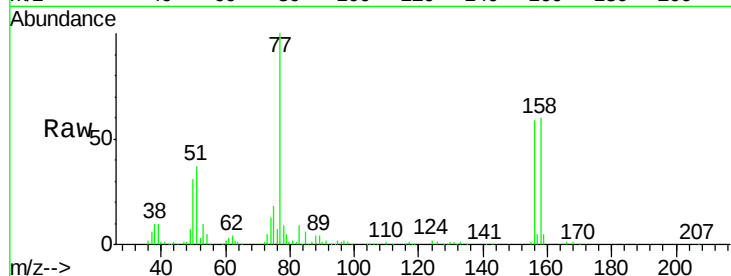
Tot Ion:156 Resp: 102852

Ion Ratio Lower Upper

156 100

77 192.2 93.1 279.3

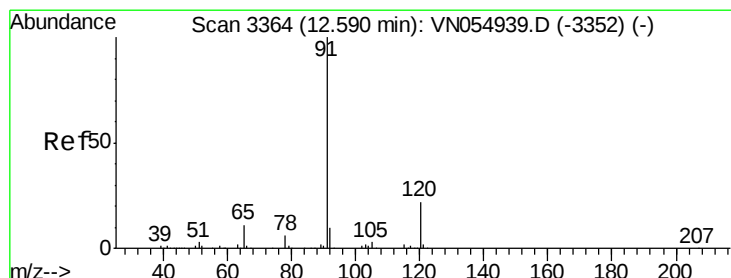
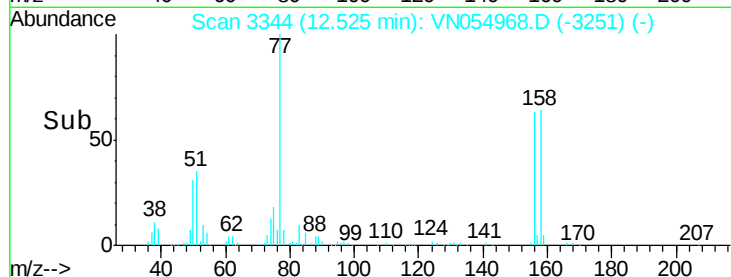
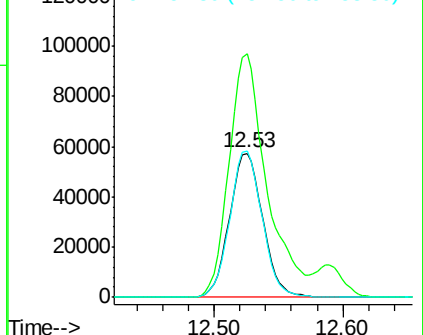
158 99.2 48.4 145.3



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: 20.216 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054968.D

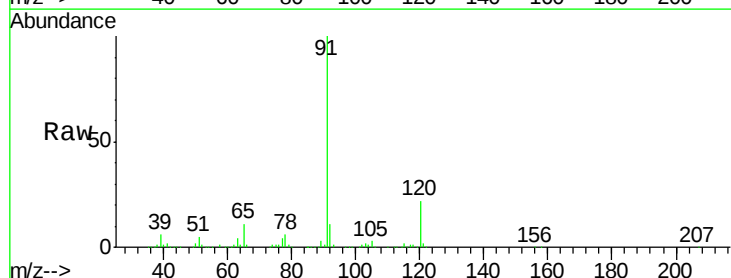
Acq: 5 Apr 2019 12:12

Tgt Ion: 91 Resp: 477446

Ion Ratio Lower Upper

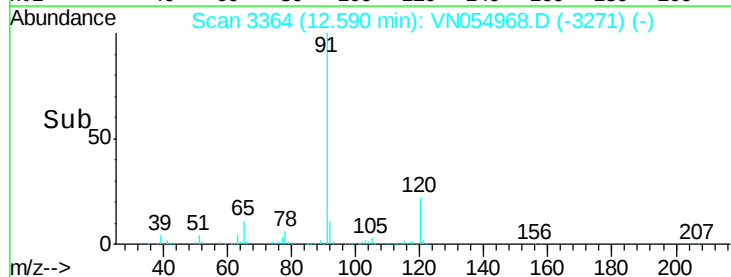
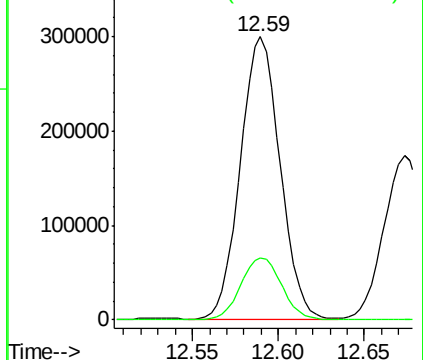
91 100

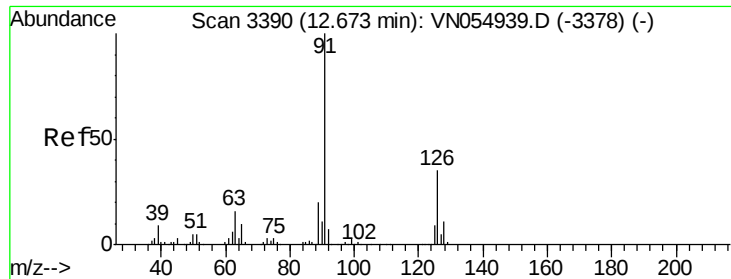
120 22.6 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.011 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

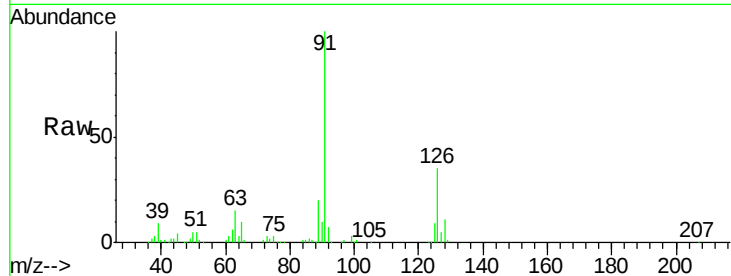
ClientSampled :

Tot Ion: 91 Resp: 292894

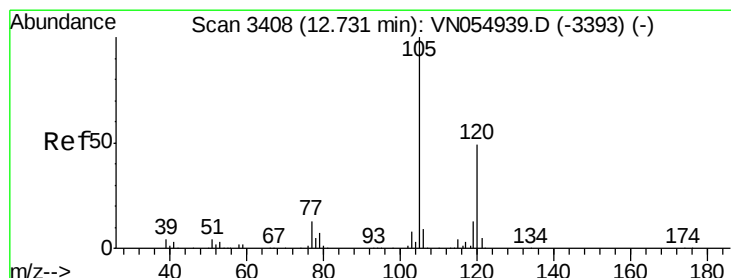
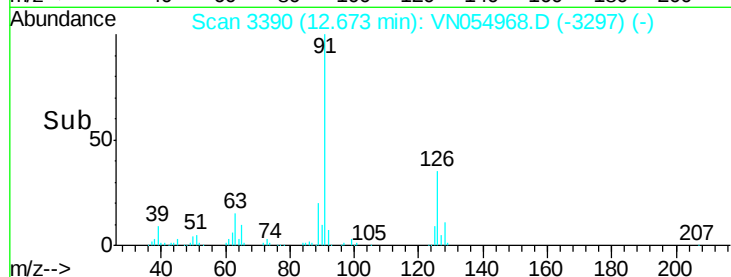
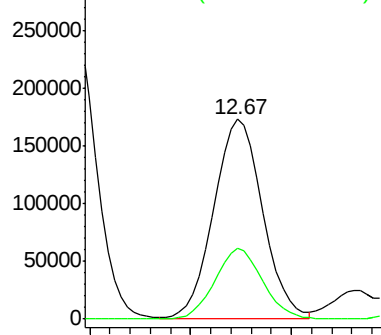
Ion Ratio Lower Upper

91 100

126 34.8 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VN054939.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.286 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054968.D

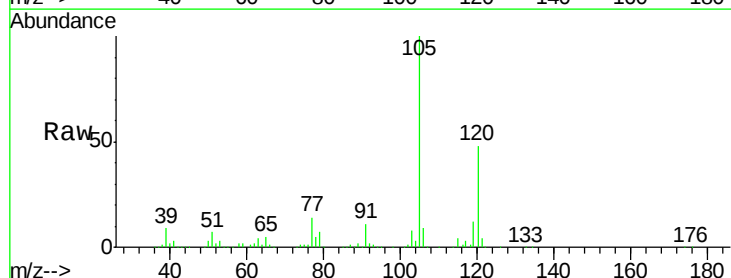
Acq: 5 Apr 2019 12:12

Tgt Ion: 105 Resp: 357130

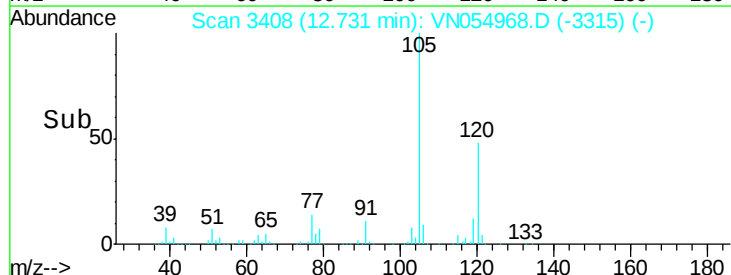
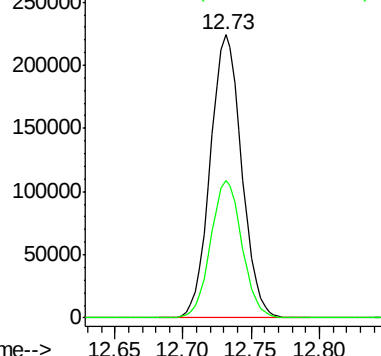
Ion Ratio Lower Upper

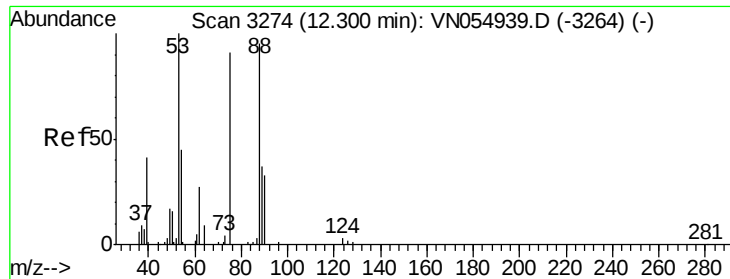
105 100

120 48.5 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VN054939.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.123 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

ClientSampled :

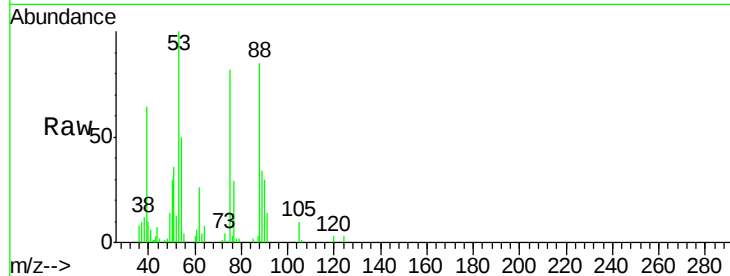
Tot Ion: 75 Resp: 19909

Ion Ratio Lower Upper

75 100

53 131.6 92.8 139.2

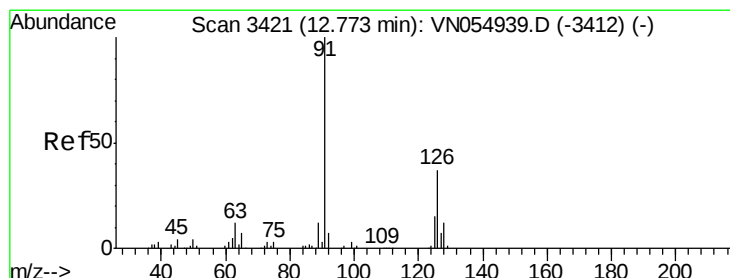
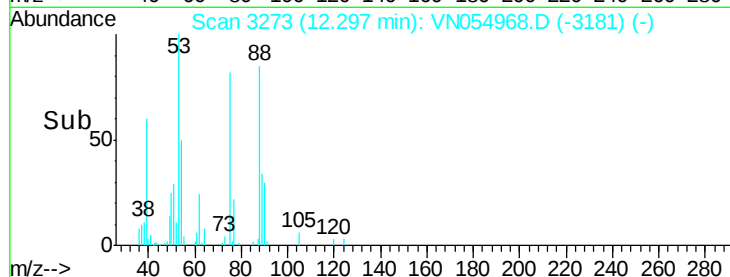
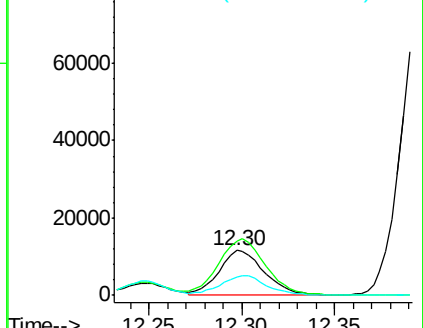
89 44.4 36.7 55.1



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: 20.232 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054968.D

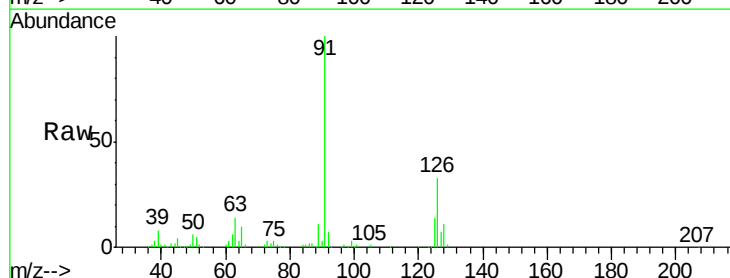
Acq: 5 Apr 2019 12:12

Tgt Ion: 91 Resp: 280094

Ion Ratio Lower Upper

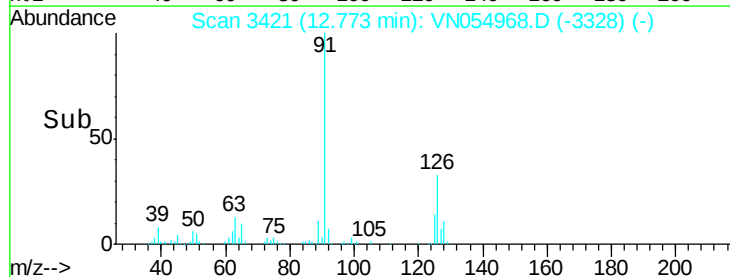
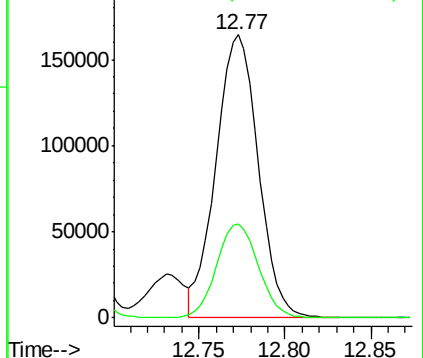
91 100

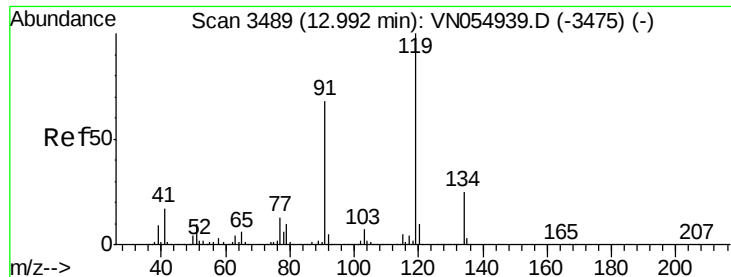
126 33.3 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

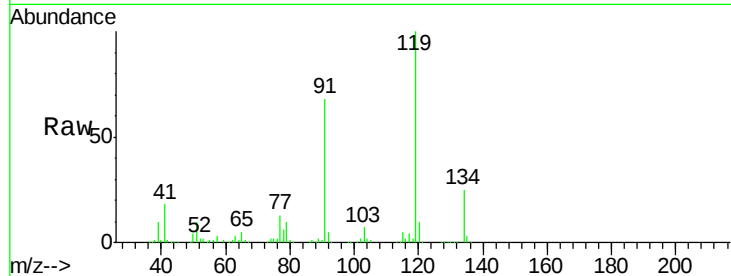




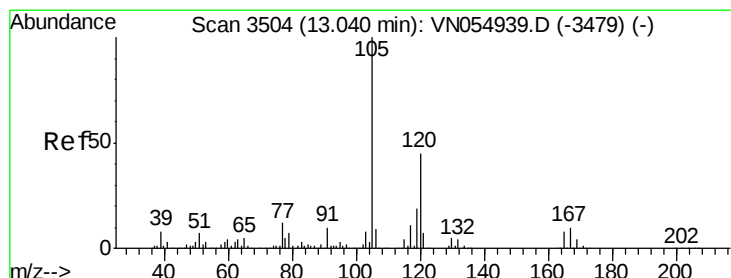
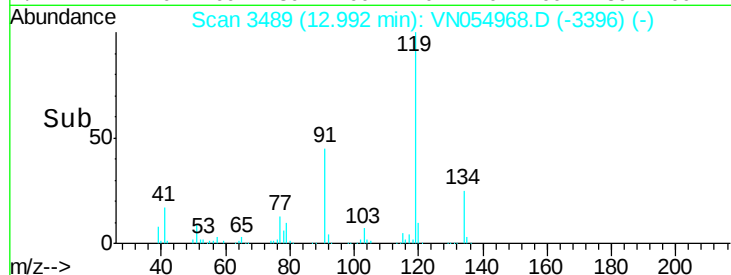
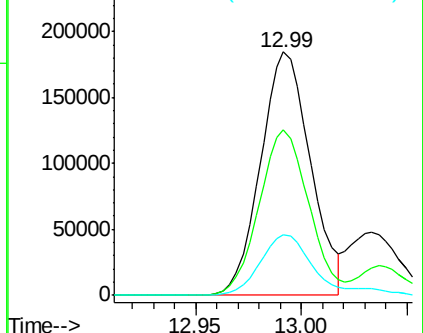
#83
tert-Butylbenzene
Concen: 20.315 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 304233
Ion Ratio Lower Upper
119 100
91 67.6 33.5 100.5
134 24.9 12.4 37.0

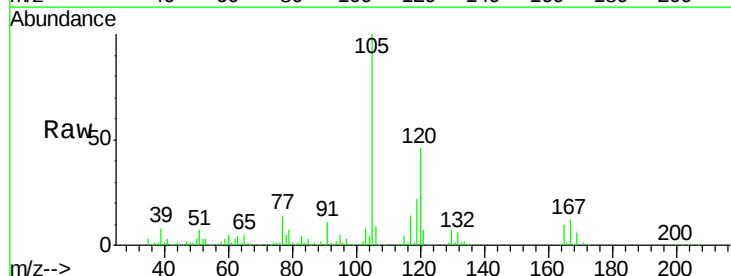


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

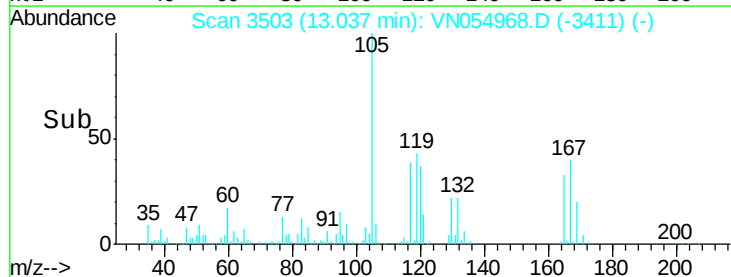
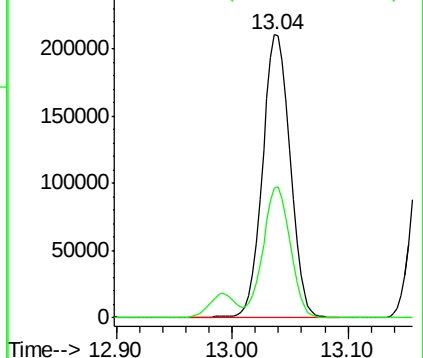


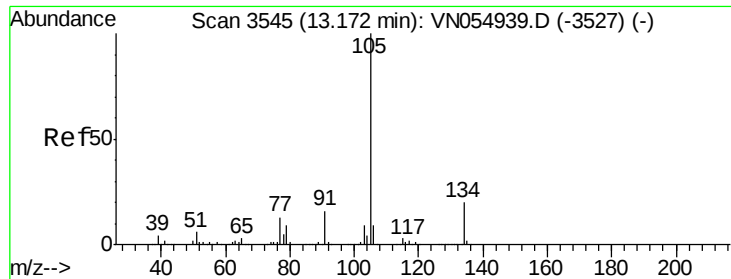
#84
1,2,4-Trimethylbenzene
Concen: 20.516 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Tgt Ion:105 Resp: 349439
Ion Ratio Lower Upper
105 100
120 45.3 22.4 67.3



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





#85

sec-Butylbenzene

Concen: 20.155 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

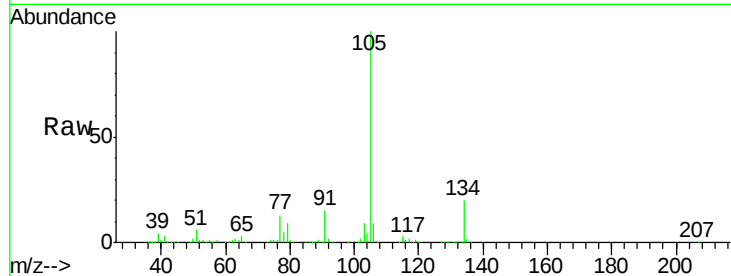
ClientSampleId :

Tot Ion:105 Resp: 390413

Ion Ratio Lower Upper

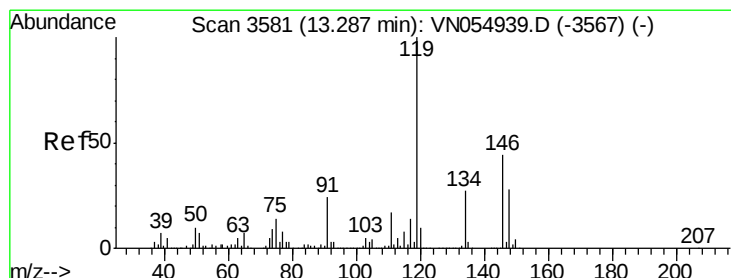
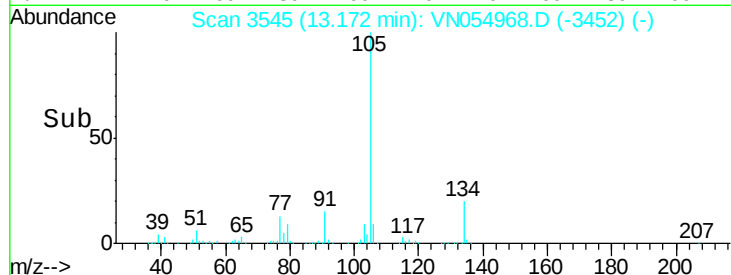
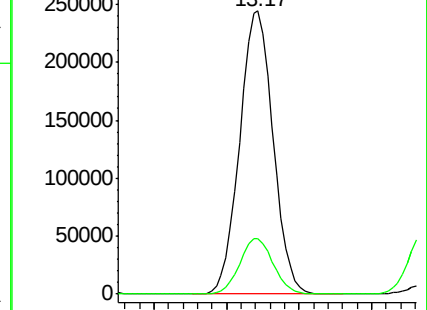
105 100

134 19.8 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.531 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

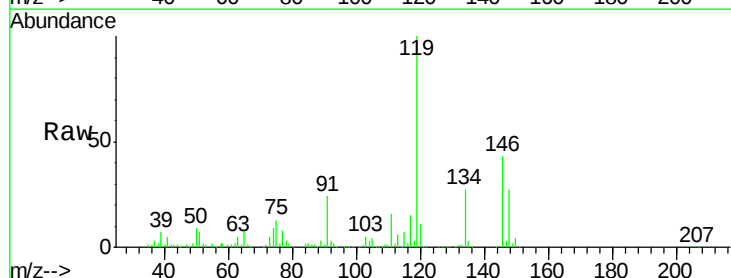
Tgt Ion:119 Resp: 342665

Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.5

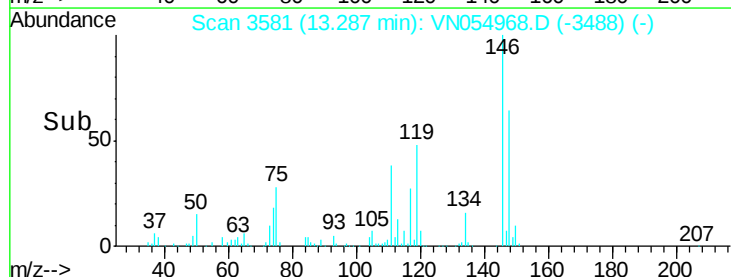
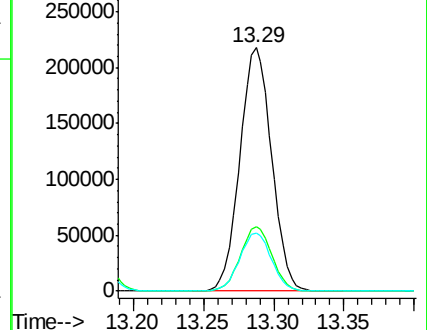
91 24.1 11.9 35.7

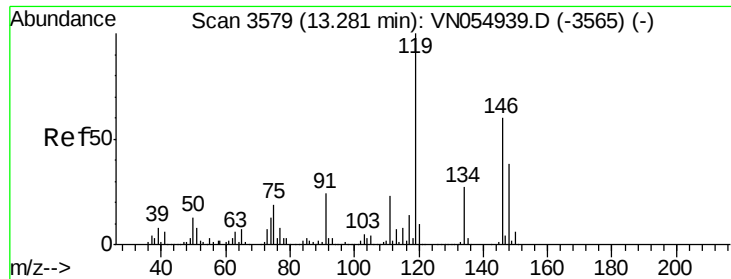


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

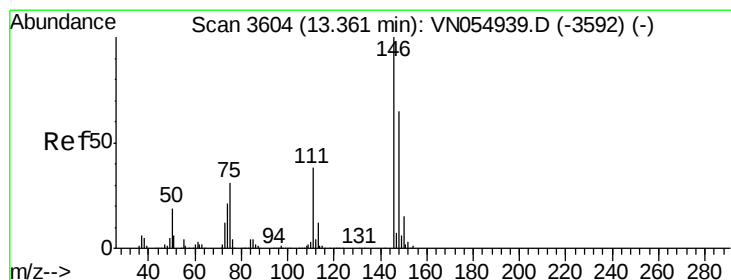
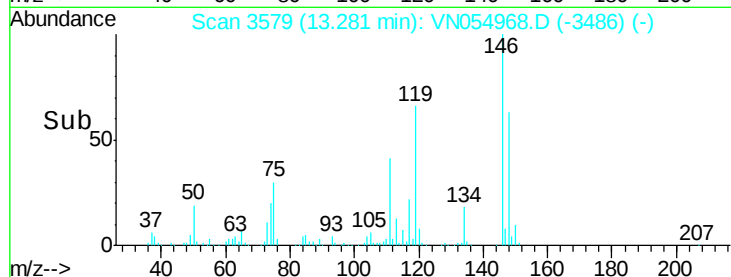
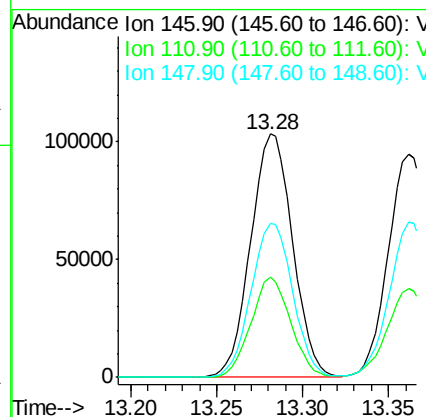
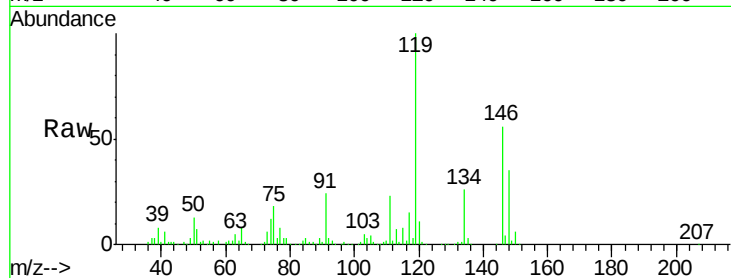




#87
 1,3-Dichlorobenzene
 Concen: 20.261 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054968.D
 Acq: 5 Apr 2019 12:12

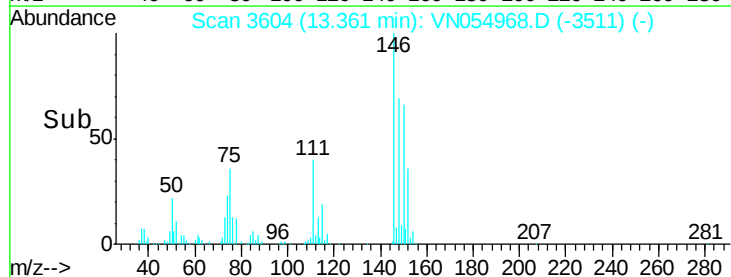
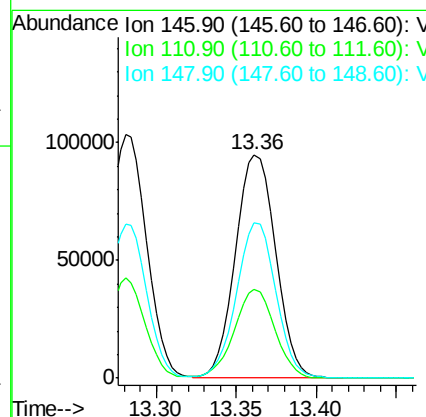
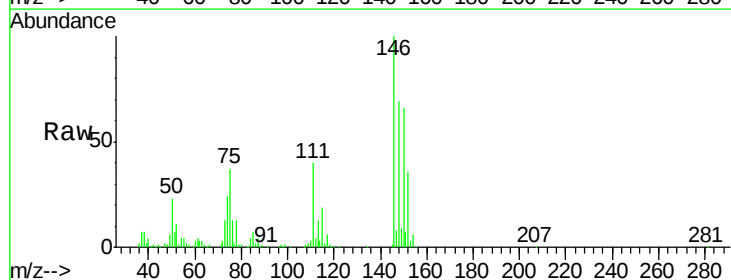
Instrument :
 MSVOA_N
 ClientSampled :

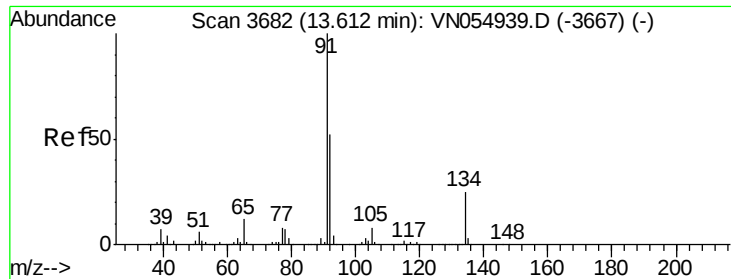
Tot Ion:146 Resp: 174963
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.6 58.7
 148 62.8 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 19.887 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054968.D
 Acq: 5 Apr 2019 12:12

Tgt Ion:146 Resp: 163489
 Ion Ratio Lower Upper
 146 100
 111 40.0 19.2 57.6
 148 67.8 31.9 95.7





#89

n-Butylbenzene

Concen: 20.071 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

ClientSampled :

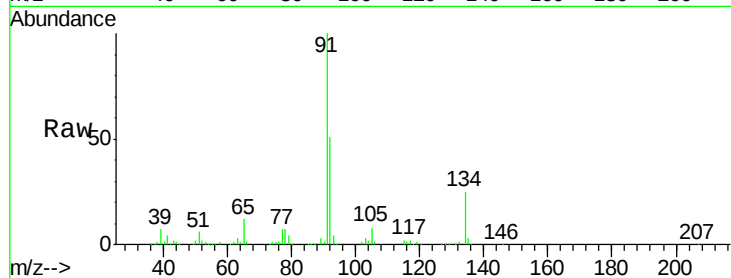
Tot Ion: 91 Resp: 267706

Ion Ratio Lower Upper

91 100

92 50.4 26.1 78.2

134 25.1 12.6 37.8

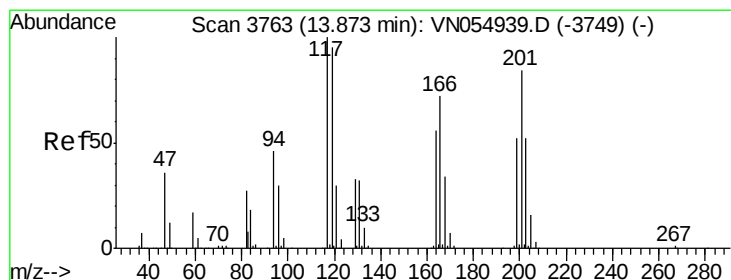
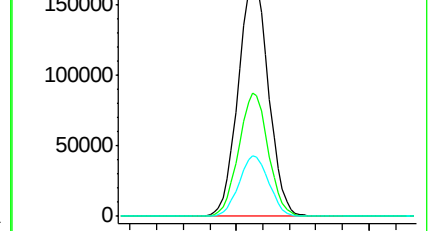
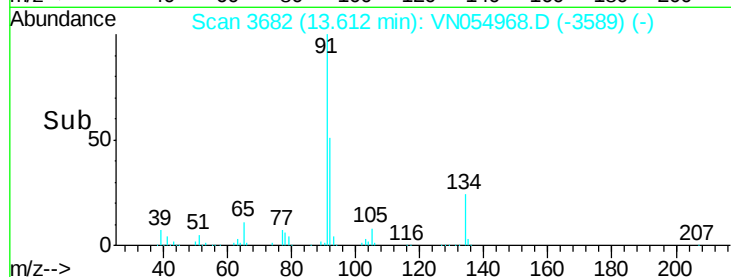


Abundance Ion 91.00 (90.70 to 91.70): VN054939.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN054939.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN054939.D (-3667) (-)

Time-->



#90

Hexachloroethane

Concen: 19.696 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN054968.D

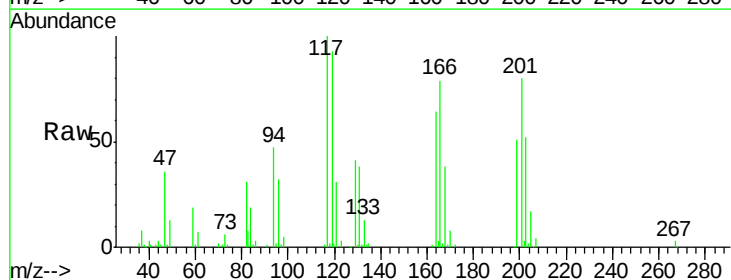
Acq: 5 Apr 2019 12:12

Tgt Ion: 117 Resp: 55218

Ion Ratio Lower Upper

117 100

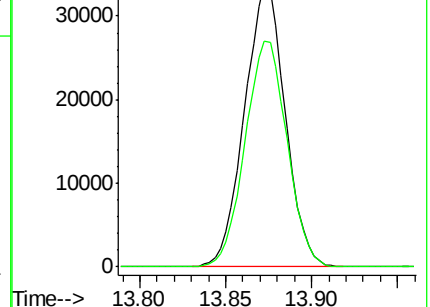
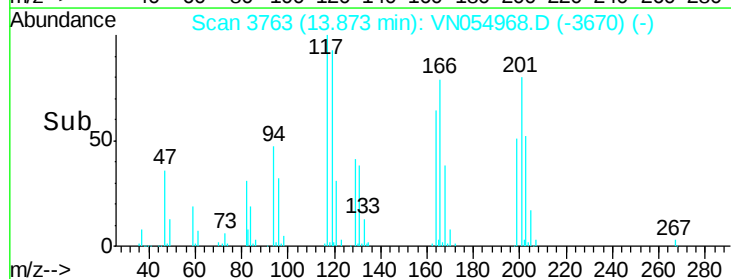
201 82.6 42.5 127.6

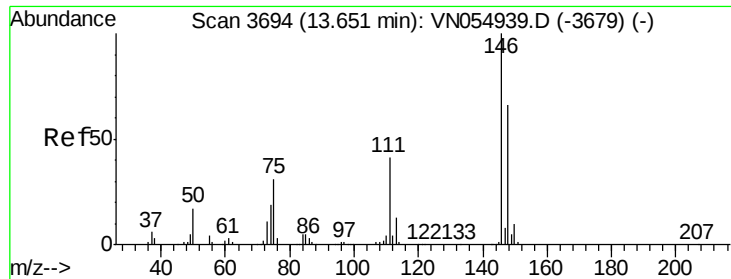


Abundance Ion 116.80 (116.50 to 117.50): VN054939.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN054939.D (-3749) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 20.367 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

ClientSampleId :

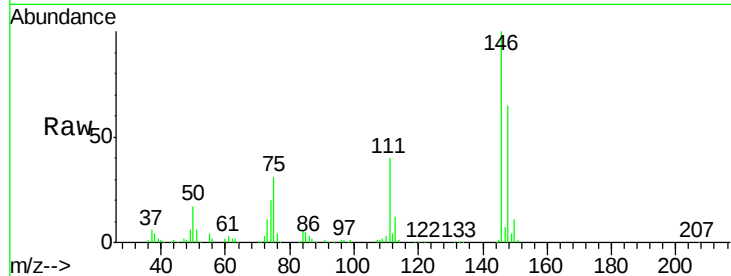
Tot Ion:146 Resp: 172674

Ion Ratio Lower Upper

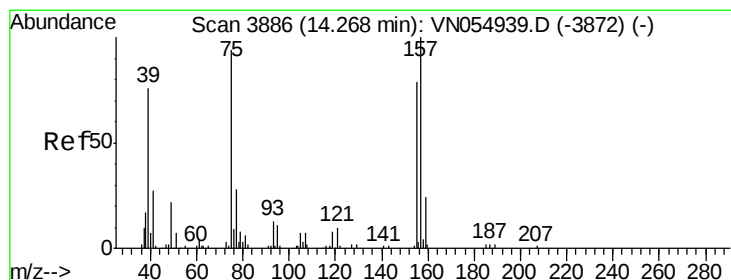
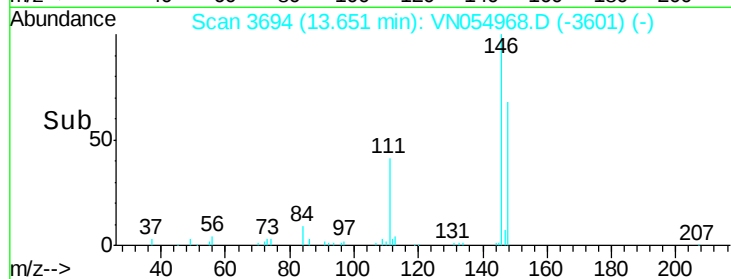
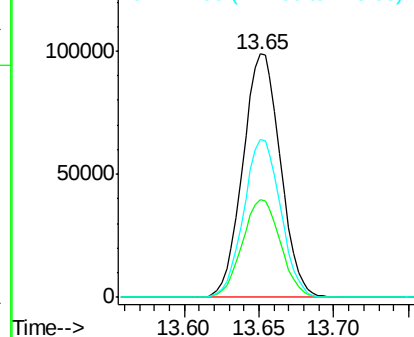
146 100

111 40.7 20.2 60.5

148 63.6 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.898 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

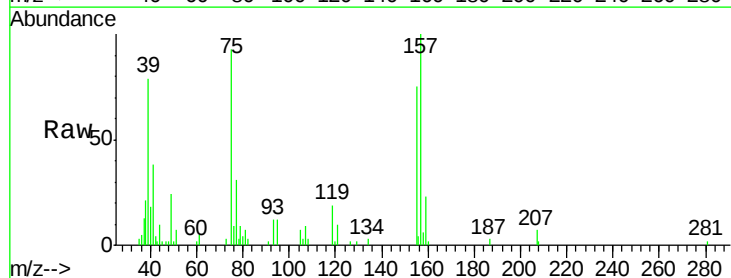
Tgt Ion: 75 Resp: 13866

Ion Ratio Lower Upper

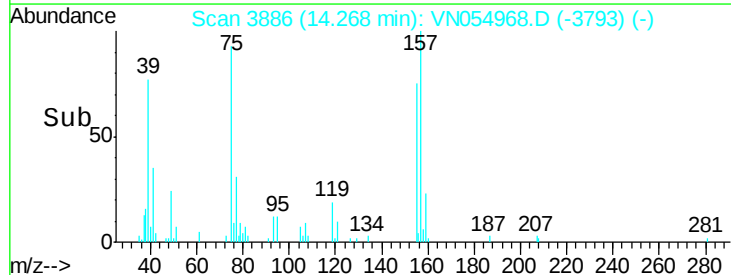
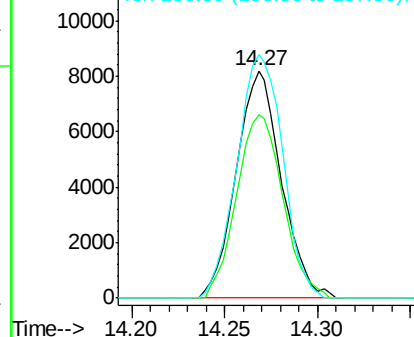
75 100

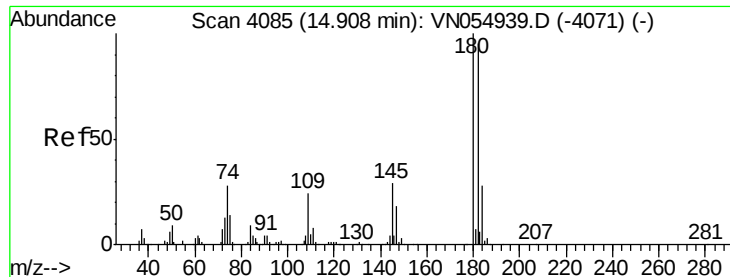
155 82.8 41.5 124.6

157 109.2 54.4 163.2



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

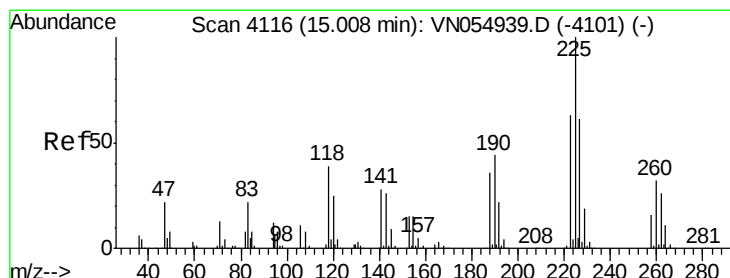
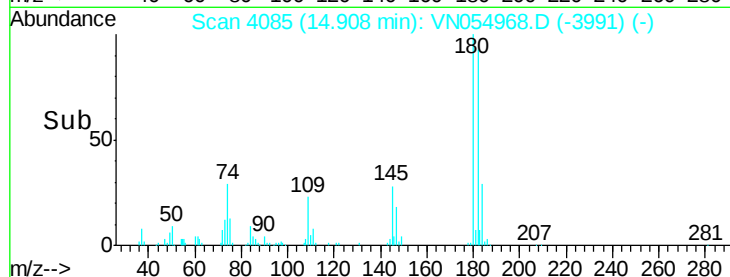
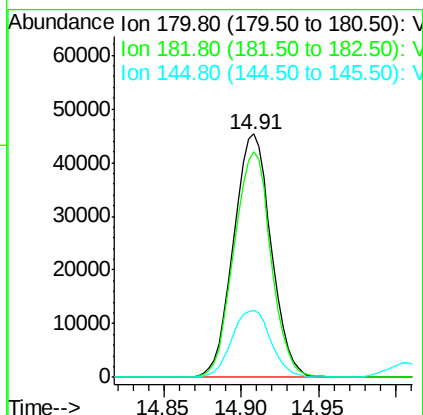
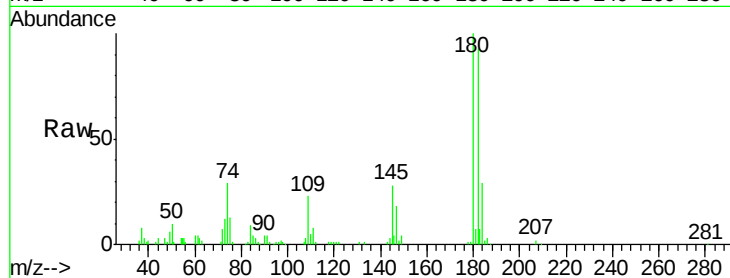




#93
 1,2,4-Trichlorobenzene
 Concen: 18.861 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054968.D
 Acq: 5 Apr 2019 12:12

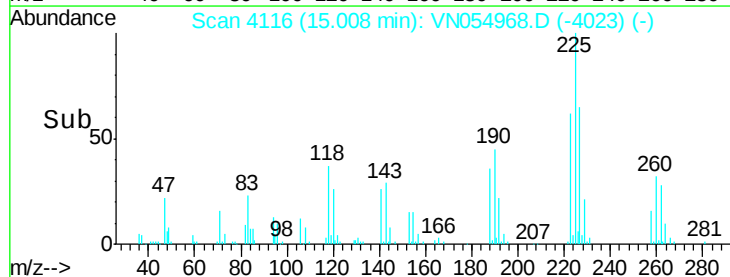
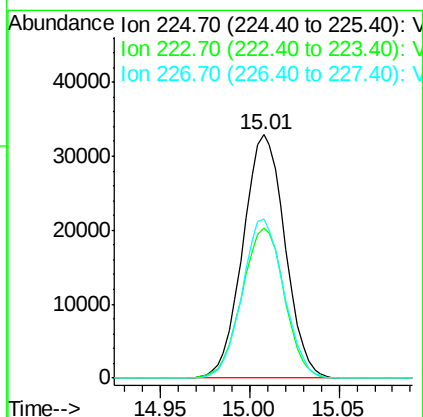
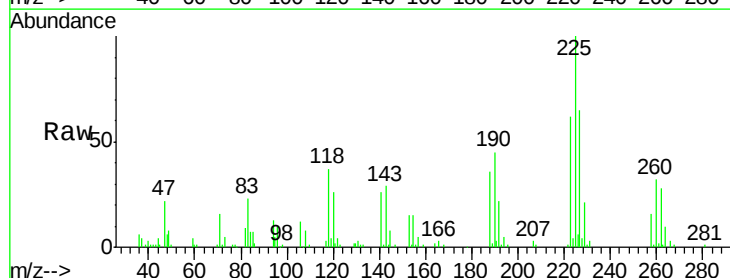
Instrument :
 MSVOA_N
 ClientSampled :

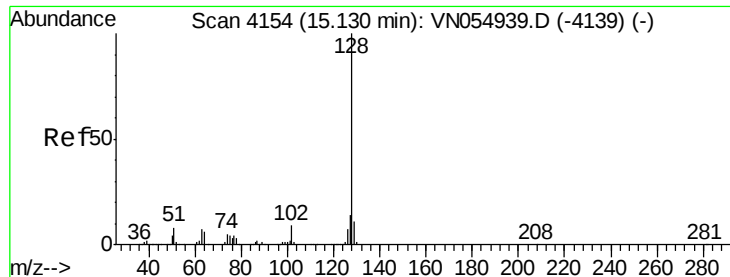
Tot Ion:180 Resp: 76407
 Ion Ratio Lower Upper
 180 100
 182 91.3 47.5 142.6
 145 28.7 14.6 43.8



#94
 Hexachlorobutadiene
 Concen: 19.131 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054968.D
 Acq: 5 Apr 2019 12:12

Tgt Ion:225 Resp: 54264
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.1 93.5
 227 64.2 30.9 92.5





#95

Naphthalene

Concen: 18.322 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

ClientSampled :

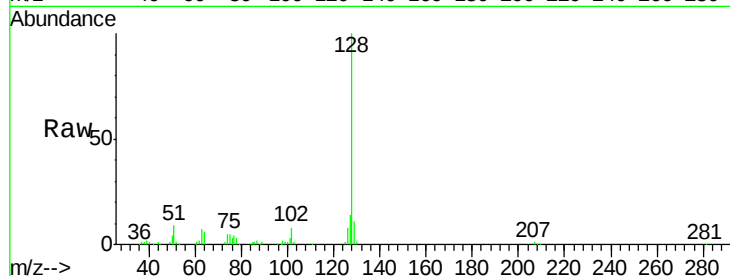
Tot Ion:128 Resp: 157468

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

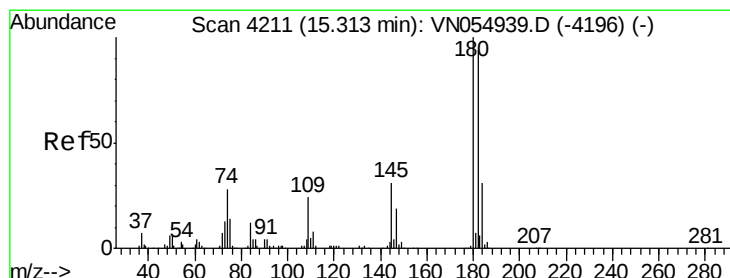
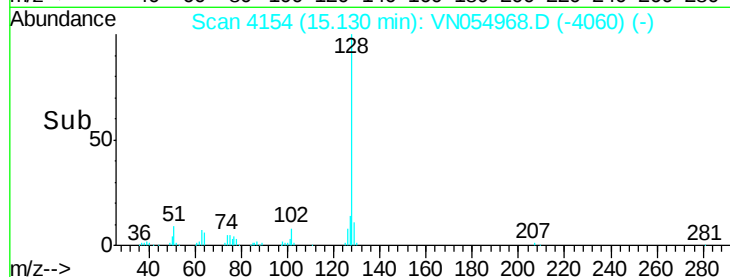
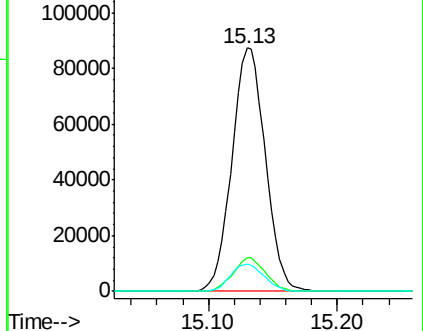
129 11.1 8.6 13.0



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: 19.023 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

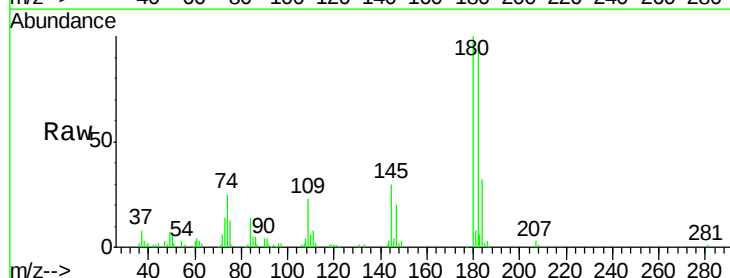
Tgt Ion:180 Resp: 74064

Ion Ratio Lower Upper

180 100

182 97.3 47.5 142.5

145 31.7 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

