

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033119\
 Data File : VN054853.D
 Acq On : 31 Mar 2019 16:25
 Operator : JC/SP
 Sample : VN0331WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 01 02:47:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	393426	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	672511	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	566367	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	236007	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	299346	56.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.88%	
35) Dibromofluoromethane	7.59	113	235417	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	
50) Toluene-d8	10.09	98	861185	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
62) 4-Bromofluorobenzene	12.40	95	281016	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	78182	19.646	ug/l	98
3) Chloromethane	2.06	50	110341	20.053	ug/l	99
4) Vinyl Chloride	2.19	62	101451	20.531	ug/l	98
5) Bromomethane	2.57	94	50637	18.113	ug/l	98
6) Chloroethane	2.71	64	56271	20.394	ug/l	99
7) Trichlorofluoromethane	3.02	101	126753	20.865	ug/l	100
8) Diethyl Ether	3.41	74	44159	22.575	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.75	101	66186	20.696	ug/l	93
10) Methyl Iodide	3.94	142	77666	17.740	ug/l #	87
11) Tert butyl alcohol	4.83	59	36849	133.356	ug/l #	89
12) 1,1-Dichloroethene	3.73	96	65666	21.233	ug/l #	67
13) Acrolein	3.61	56	26848	108.685	ug/l	98
14) Allyl chloride	4.32	41	158915	20.862	ug/l #	90
15) Acrylonitrile	5.00	53	181376	118.093	ug/l	99
16) Acetone	3.82	43	138371	109.410	ug/l #	83
17) Carbon Disulfide	4.04	76	187780	18.721	ug/l	99
18) Methyl Acetate	4.33	43	88471	26.424	ug/l #	88
19) Methyl tert-butyl Ether	5.06	73	243437	22.503	ug/l	94
20) Methylene Chloride	4.54	84	100331	22.490	ug/l #	86
21) trans-1,2-Dichloroethene	5.04	96	83959	20.669	ug/l #	82
22) Diisopropyl ether	5.96	45	329973	21.902	ug/l #	94
23) Vinyl Acetate	5.90	43	1208211	115.238	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	176850	22.005	ug/l	98
25) 2-Butanone	6.85	43	226950	121.399	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	108221	19.212	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	100820	21.971	ug/l	90
28) Bromochloromethane	7.19	49	95982	23.884	ug/l #	70
29) Tetrahydrofuran	7.22	42	154740	119.175	ug/l #	85
30) Chloroform	7.37	83	169769	22.153	ug/l	97
31) Cyclohexane	7.65	56	166630	21.584	ug/l #	83
32) 1,1,1-Trichloroethane	7.57	97	138422	21.796	ug/l	95
36) 1,1-Dichloropropene	7.79	75	122288	19.515	ug/l	96
37) Ethyl Acetate	6.94	43	105020	22.853	ug/l #	95
38) Carbon Tetrachloride	7.77	117	120179	19.745	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	130846	18.993	ug/l	89
40) Benzene	8.04	78	376399	20.992	ug/l	98
41) Methacrylonitrile	7.18	41	59594	23.085	ug/l #	88
42) 1,2-Dichloroethane	8.13	62	133776	20.895	ug/l	98
43) Isopropyl Acetate	8.17	43	172619	23.118	ug/l #	92
44) Trichloroethene	8.83	130	94198	20.237	ug/l	91
45) 1,2-Dichloropropane	9.12	63	105885	20.710	ug/l	99
46) Dibromomethane	9.21	93	61726	21.461	ug/l	90
47) Bromodichloromethane	9.40	83	128493	21.496	ug/l	95
48) Methyl methacrylate	9.20	41	86936	21.478	ug/l #	86
49) 1,4-Dioxane	9.21	88	19196	477.974	ug/l #	75
51) 4-Methyl-2-Pentanone	9.99	43	488432	116.347	ug/l	93
52) Toluene	10.16	92	226360	21.215	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	112797	20.060	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	139439	20.760	ug/l #	88
55) 1,1,2-Trichloroethane	10.56	97	83034	20.929	ug/l	95
56) Ethyl methacrylate	10.43	69	111335	21.393	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	147376	21.607	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	211779	100.909	ug/l	89
59) 2-Hexanone	10.75	43	306687	114.119	ug/l	89
60) Dibromochloromethane	10.90	129	83550	20.790	ug/l	99
61) 1,2-Dibromoethane	11.01	107	80115	21.131	ug/l	98
64) Tetrachloroethene	10.63	164	88128	20.277	ug/l	95
65) Chlorobenzene	11.44	112	228189	20.578	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	86273	20.786	ug/l	97
67) Ethyl Benzene	11.51	91	408706	20.425	ug/l	99
68) m/p-Xylenes	11.62	106	302341	40.829	ug/l	95
69) o-Xylene	11.95	106	145808	20.080	ug/l	91
70) Styrene	11.96	104	241863	20.832	ug/l	96
71) Bromoform	12.13	173	51588	21.216	ug/l #	97
73) Isopropylbenzene	12.25	105	394631	20.458	ug/l	97
74) N-amyl acetate	12.07	43	129241	21.505	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.51	83	106065	24.053	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	122762	29.942	ug/l #	100
77) Bromobenzene	12.53	156	95313	20.473	ug/l	85
78) n-propylbenzene	12.59	91	428861	20.227	ug/l	95
79) 2-Chlorotoluene	12.68	91	266621	20.326	ug/l	93
80) 1,3,5-Trimethylbenzene	12.73	105	318930	20.149	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	19752	18.739	ug/l #	75
82) 4-Chlorotoluene	12.77	91	252260	19.800	ug/l	96
83) tert-Butylbenzene	12.99	119	278047	21.481	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	311904	20.684	ug/l	97
85) sec-Butylbenzene	13.17	105	347884	20.232	ug/l	96
86) p-Isopropyltoluene	13.29	119	297916	19.645	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	153405	19.681	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	147214	19.256	ug/l	97
89) n-Butylbenzene	13.62	91	225706	18.242	ug/l	96
90) Hexachloroethane	13.87	117	50256	19.518	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	152713	19.413	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14610	22.155	ug/l	85

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QLast Update : Sat Mar 30 00:48:18 2019
Response via : Initial Calibration

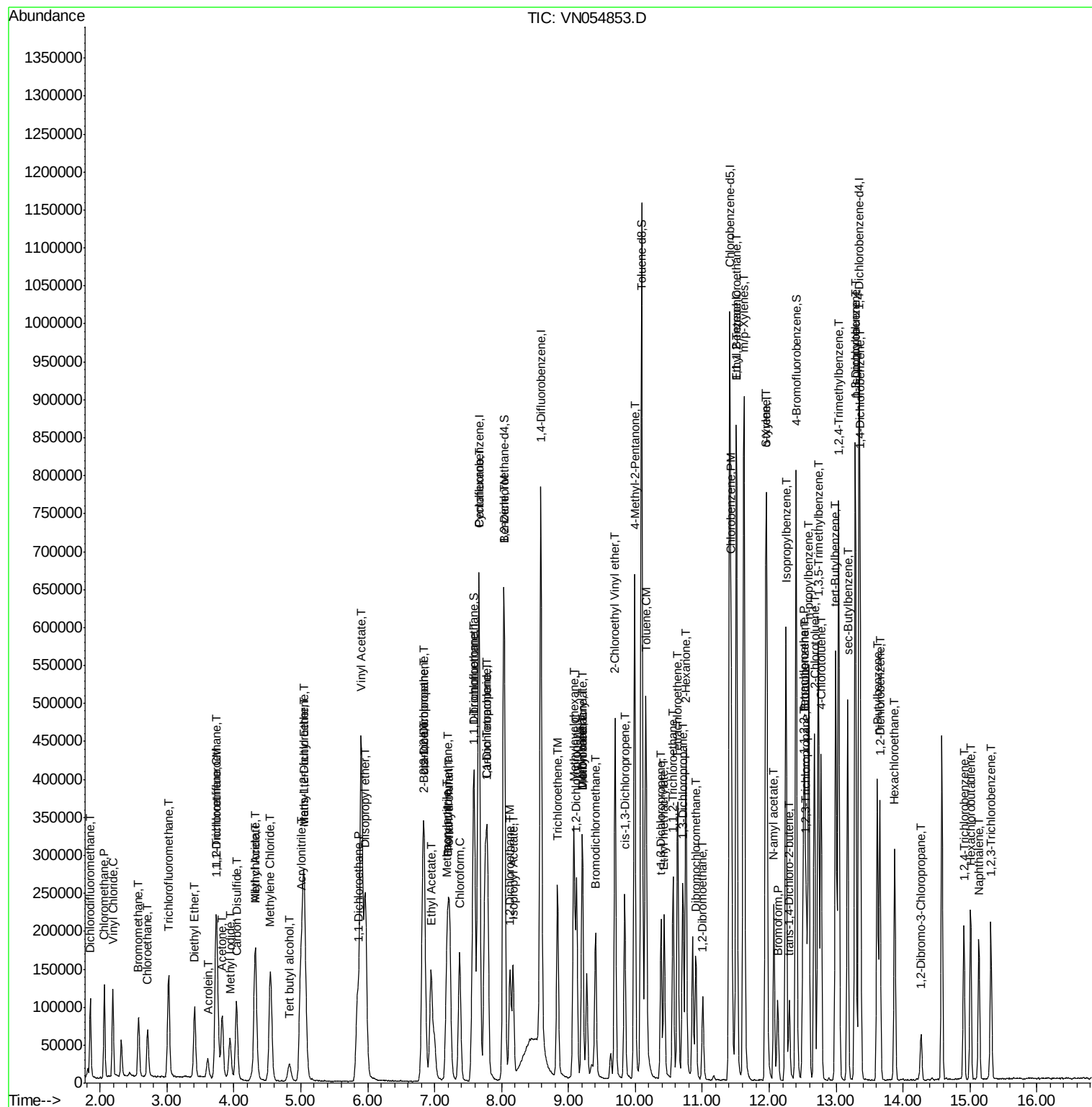
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	64232	16.937	ug/l	100
94) Hexachlorobutadiene	15.01	225	44668	18.565	ug/l	98
95) Naphthalene	15.13	128	155532	18.285	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	70493	18.405	ug/l	97

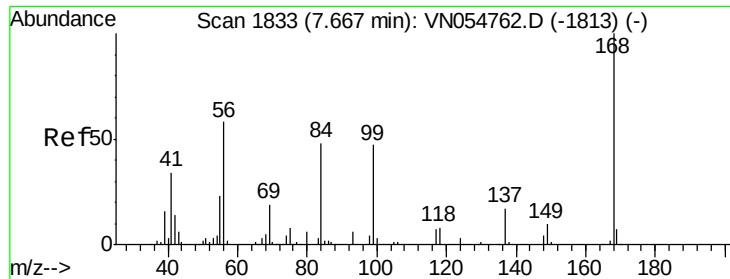
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054853.D

Acq: 31 Mar 2019 16:25

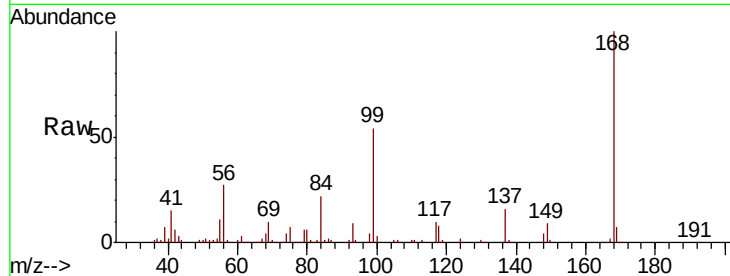
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 393426

Ion Ratio Lower Upper

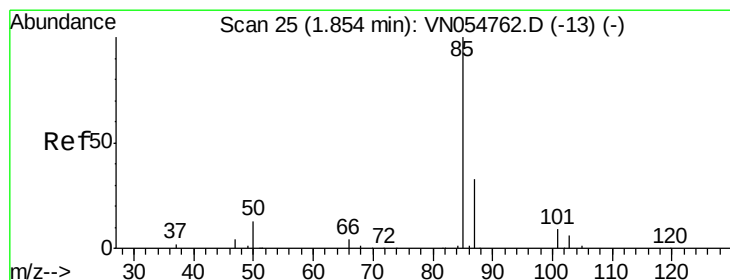
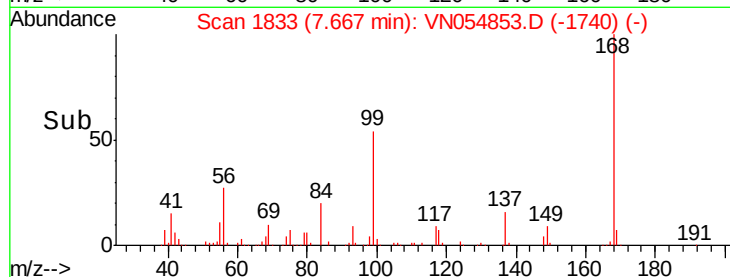
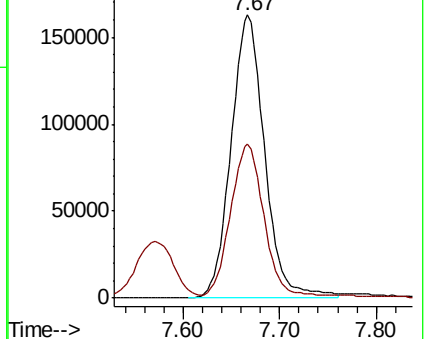
168 100

99 53.3 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.646 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054853.D

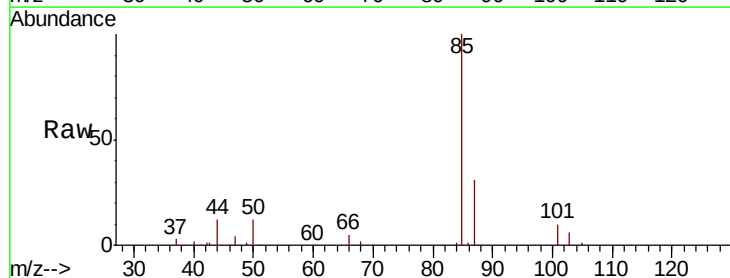
Acq: 31 Mar 2019 16:25

Tgt Ion: 85 Resp: 78182

Ion Ratio Lower Upper

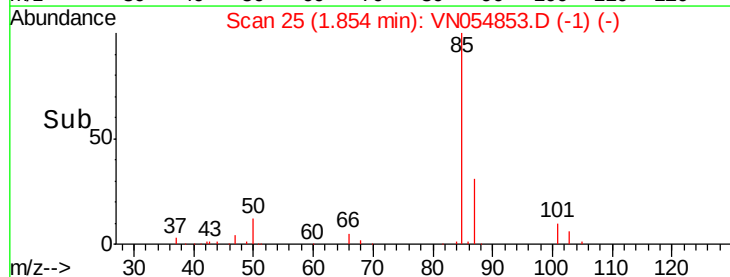
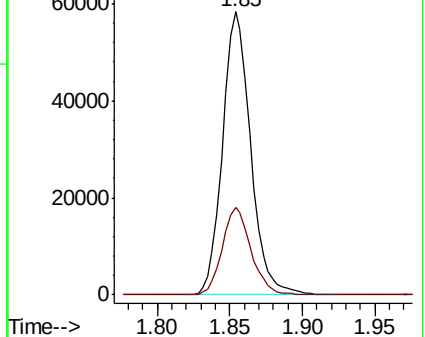
85 100

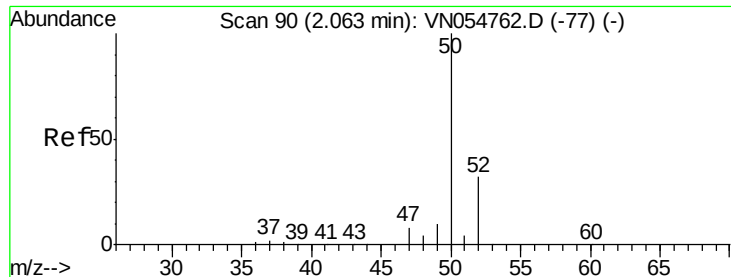
87 30.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 20.053 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN054853.D

Acq: 31 Mar 2019 16:25

Instrument :

MSVOA_N

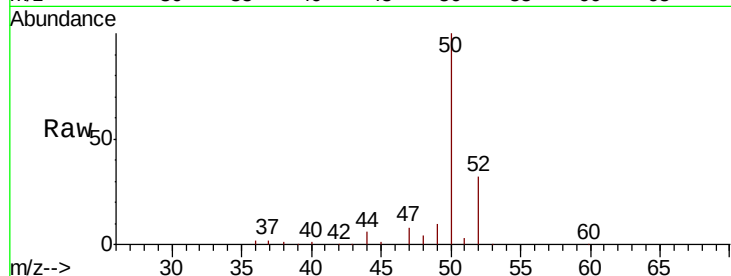
ClientSampled :

Tot Ion: 50 Resp: 110341

Ion Ratio Lower Upper

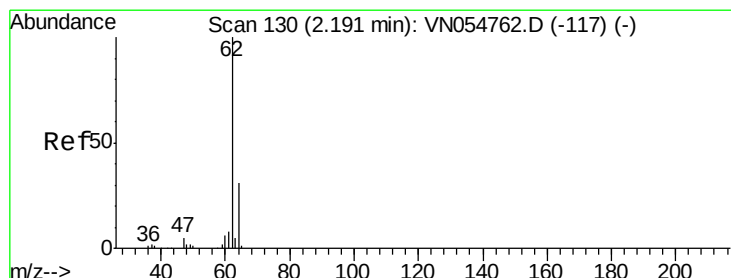
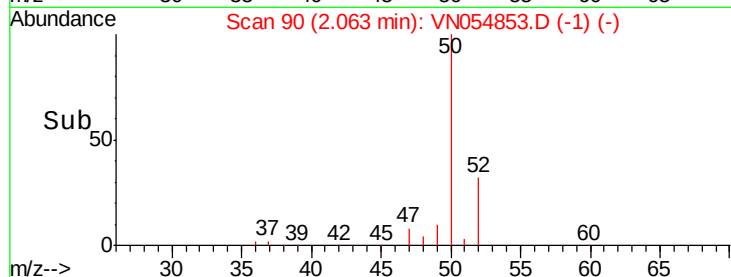
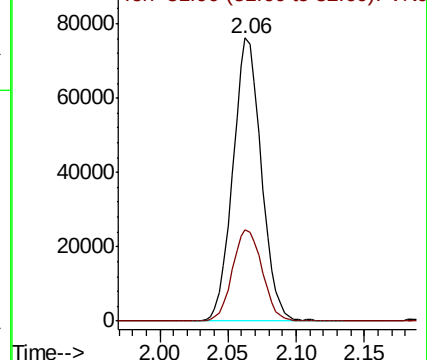
50 100

52 32.2 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 20.531 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054853.D

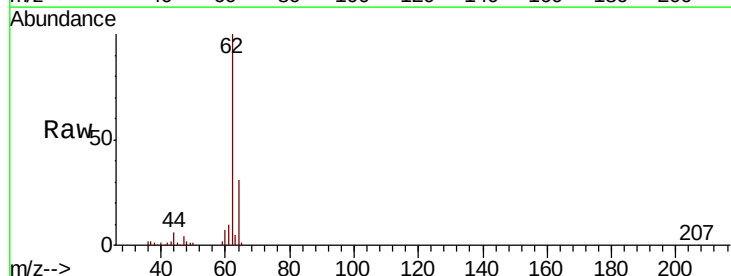
Acq: 31 Mar 2019 16:25

Tgt Ion: 62 Resp: 101451

Ion Ratio Lower Upper

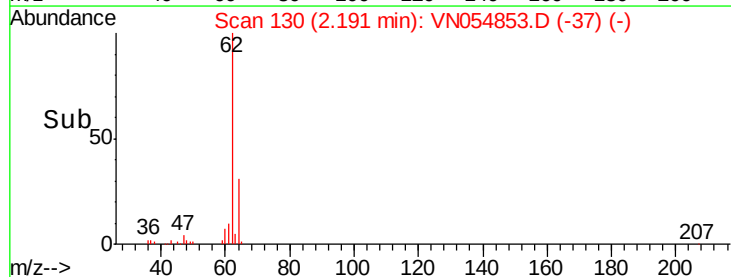
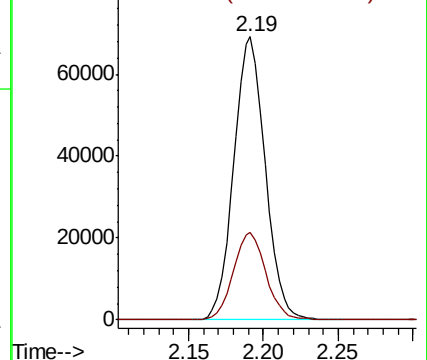
62 100

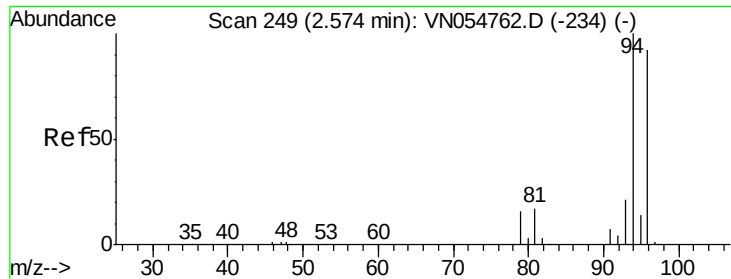
64 30.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

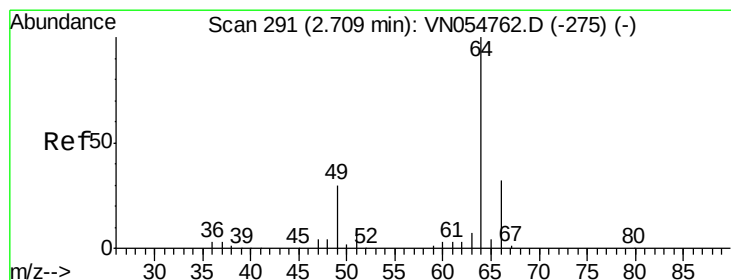
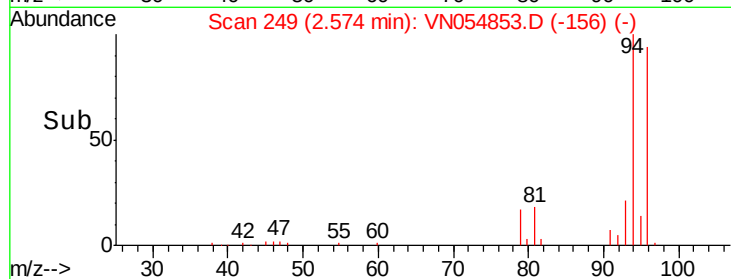
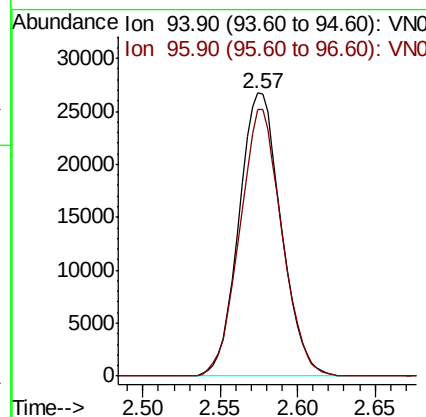
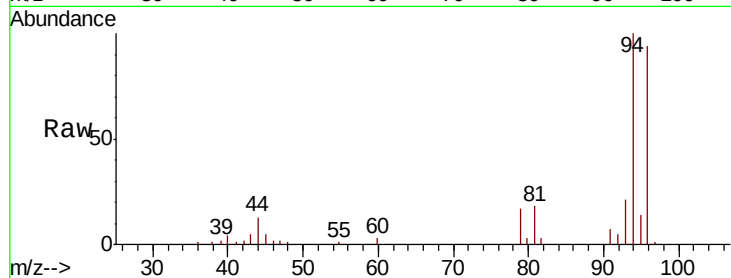




#5
Bromomethane
Concen: 18.113 ug/l
RT: 2.57 min Scan# 249
Delta R.T. 0.00 min
Lab File: VN054853.D
Acq: 31 Mar 2019 16:25

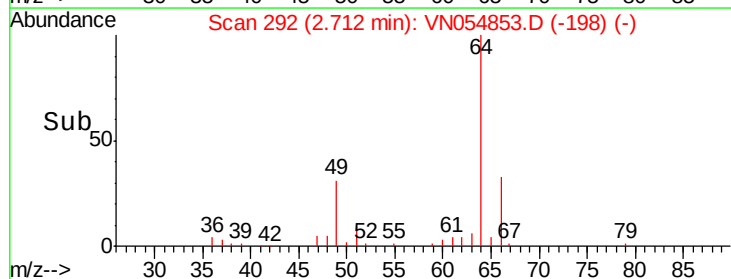
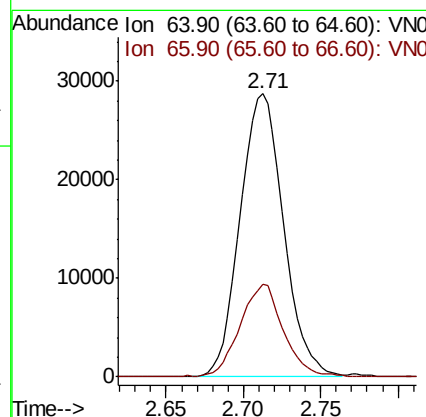
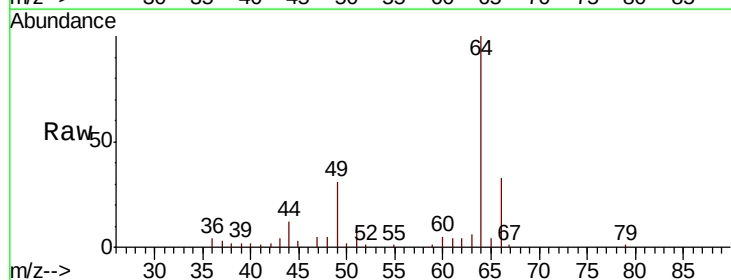
Instrument :
MSVOA_N
ClientSampled :

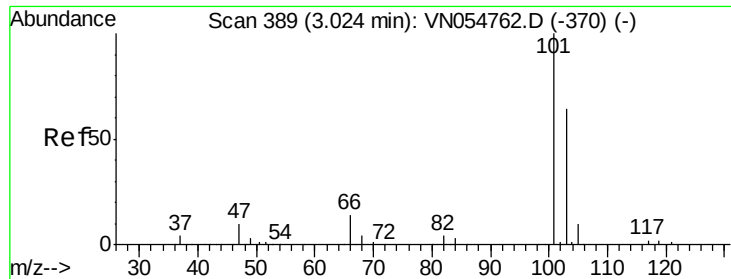
Tot Ion: 94 Resp: 50637
Ion Ratio Lower Upper
94 100
96 94.4 77.0 115.4



#6
Chloroethane
Concen: 20.394 ug/l
RT: 2.71 min Scan# 292
Delta R.T. 0.00 min
Lab File: VN054853.D
Acq: 31 Mar 2019 16:25

Tgt Ion: 64 Resp: 56271
Ion Ratio Lower Upper
64 100
66 32.5 25.7 38.5



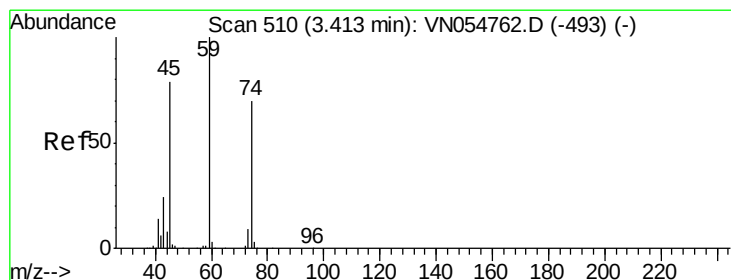
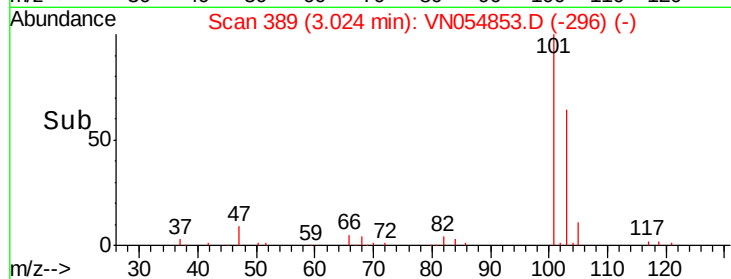
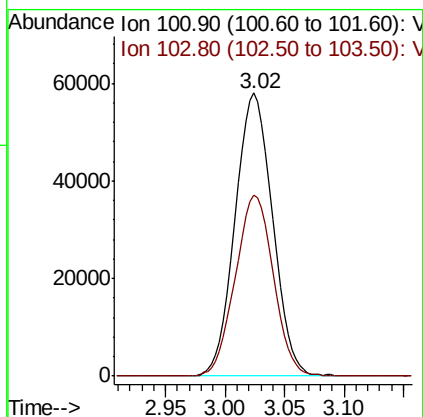
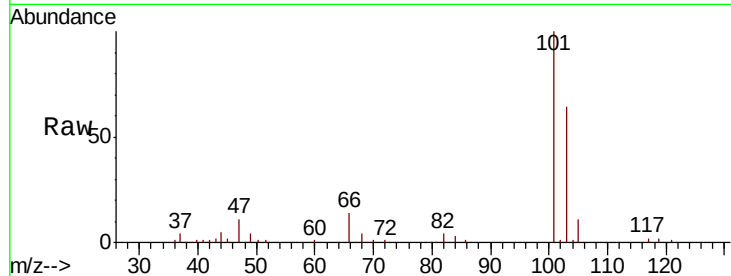


#7

Trichlorofluoromethane
Concen: 20.865 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054853.D
Acq: 31 Mar 2019 16:25

Instrument :
MSVOA_N
ClientSampled :

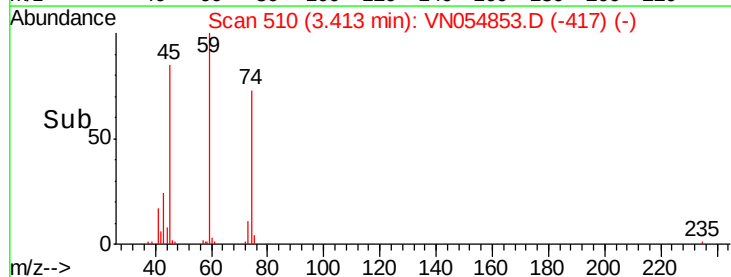
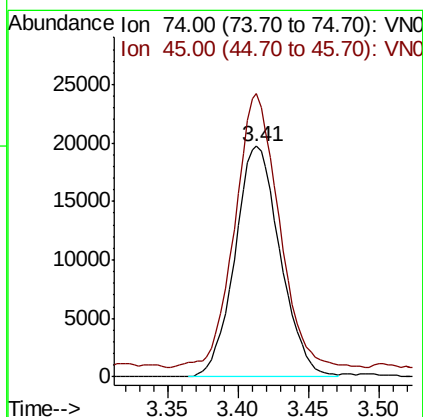
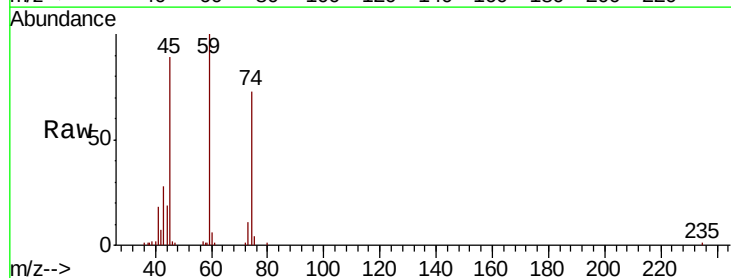
Tot Ion:101 Resp: 126753
Ion Ratio Lower Upper
101 100
103 64.0 51.4 77.2

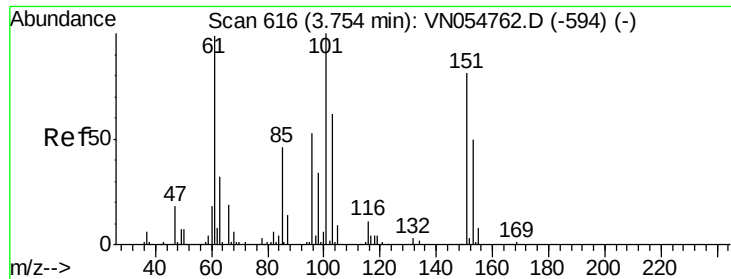


#8

Diethyl Ether
Concen: 22.575 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN054853.D
Acq: 31 Mar 2019 16:25

Tgt Ion: 74 Resp: 44159
Ion Ratio Lower Upper
74 100
45 116.0 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.696 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN054853.D

Acq: 31 Mar 2019 16:25

Instrument :

MSVOA_N

ClientSampled :

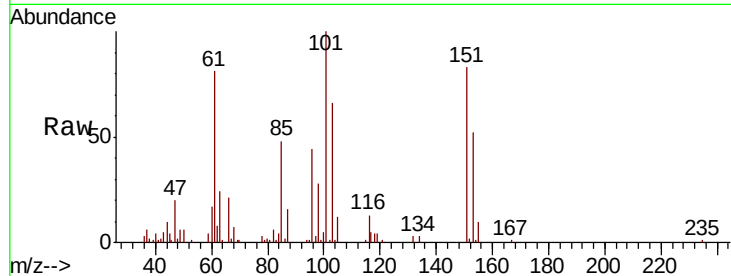
Tot Ion:101 Resp: 66186

Ion Ratio Lower Upper

101 100

85 46.5 32.4 48.6

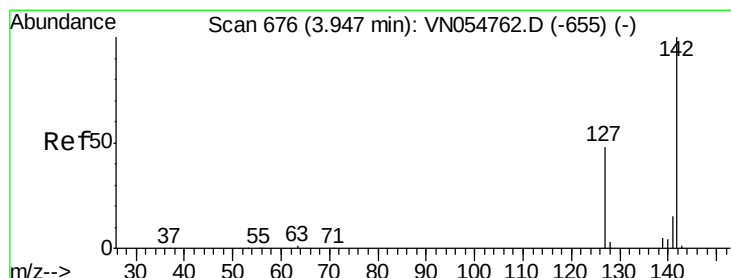
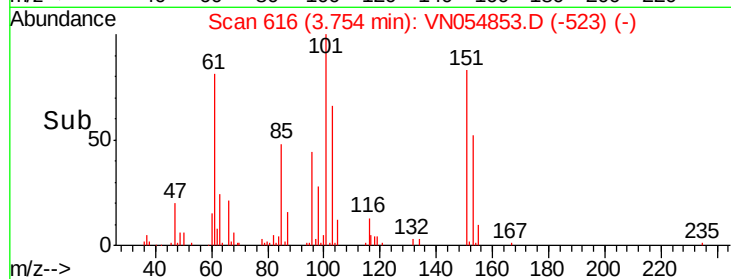
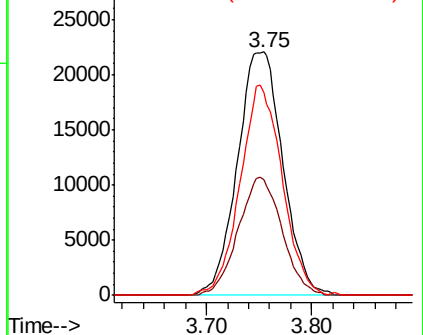
151 80.0 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.740 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054853.D

Acq: 31 Mar 2019 16:25

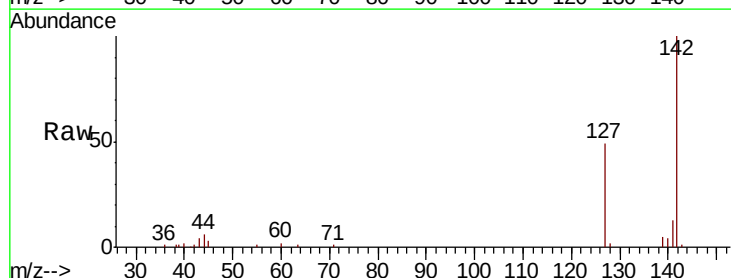
Tgt Ion:142 Resp: 77666

Ion Ratio Lower Upper

142 100

127 48.8 30.3 45.5#

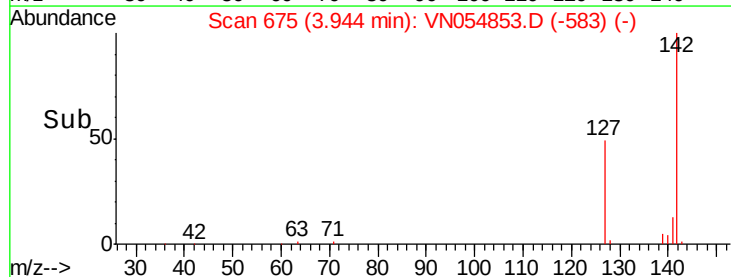
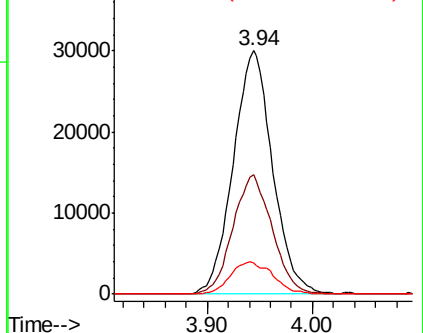
141 14.3 11.2 16.8

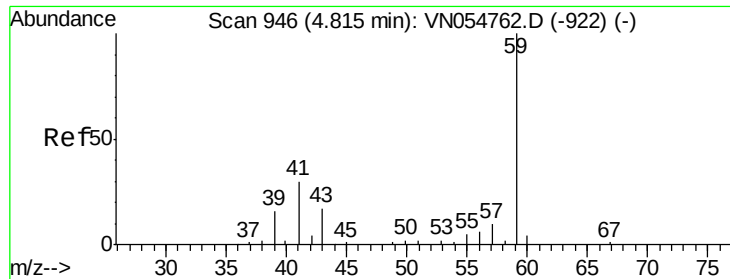


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

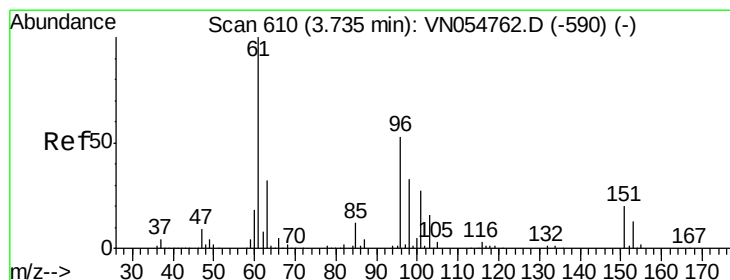
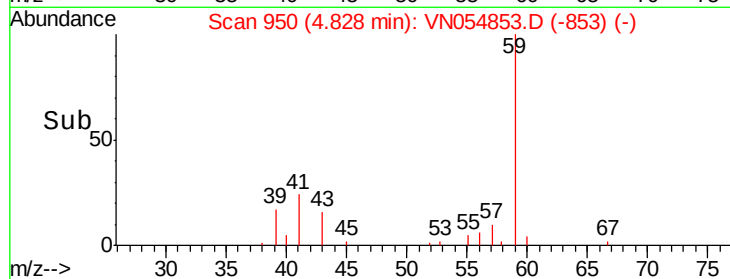
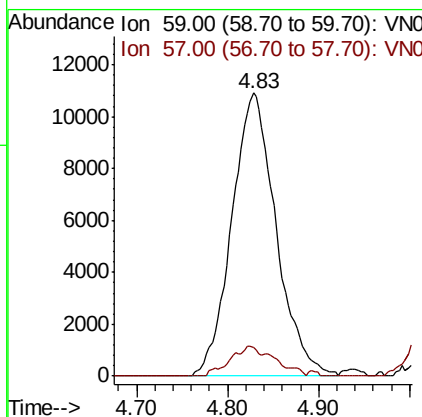
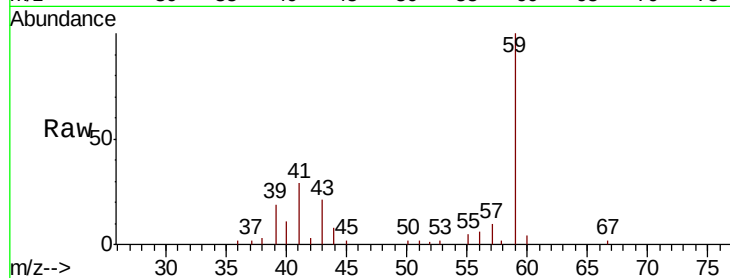




#11
Tert butyl alcohol
Concen: 133.356 ug/l
RT: 4.83 min Scan# 950
Delta R.T. 0.01 min
Lab File: VN054853.D
Acq: 31 Mar 2019 16:25

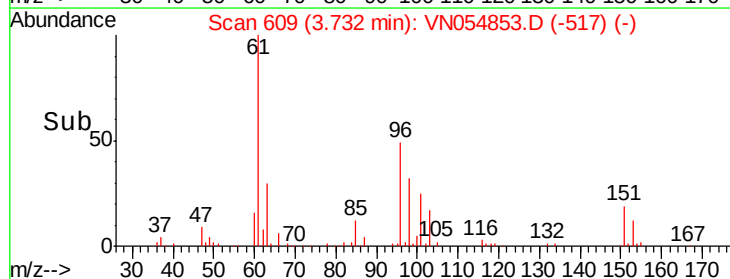
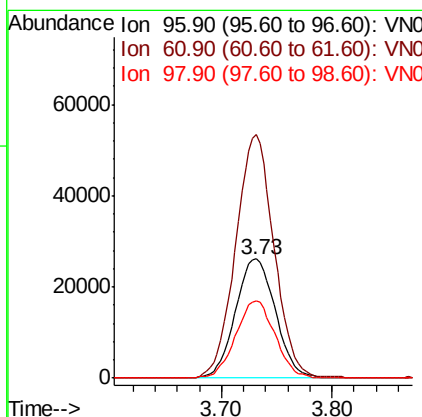
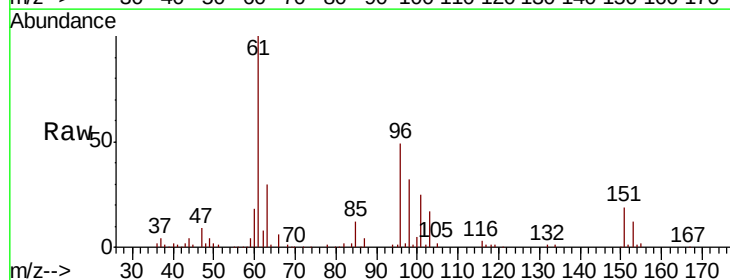
Instrument :
MSVOA_N
ClientSampleId :

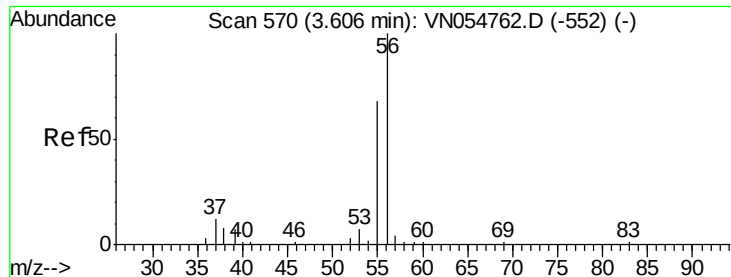
Tot Ion: 59 Resp: 36849
Ion Ratio Lower Upper
59 100
57 7.0 9.0 13.6#



#12
1,1-Dichloroethene
Concen: 21.233 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054853.D
Acq: 31 Mar 2019 16:25

Tgt Ion: 96 Resp: 65666
Ion Ratio Lower Upper
96 100
61 204.1 116.5 174.7#
98 64.7 51.0 76.4





#13

Acrolein

Concen: 108.685 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054853.D

Acq: 31 Mar 2019 16:25

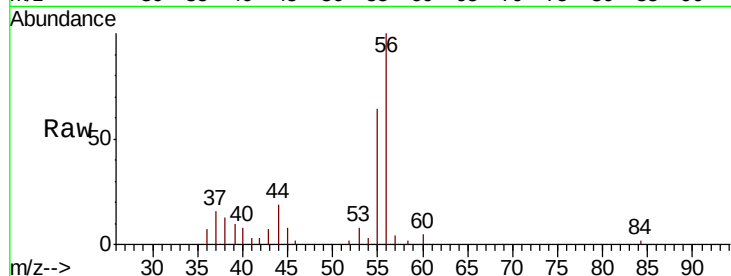
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 26848

Ion Ratio Lower Upper

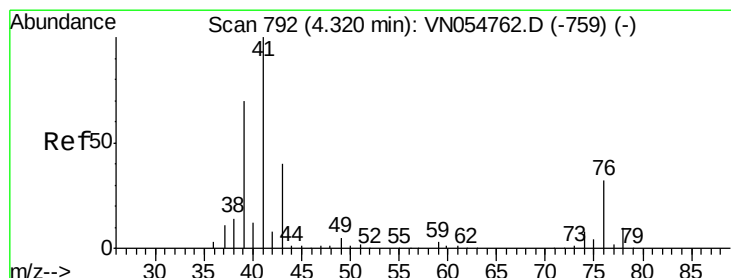
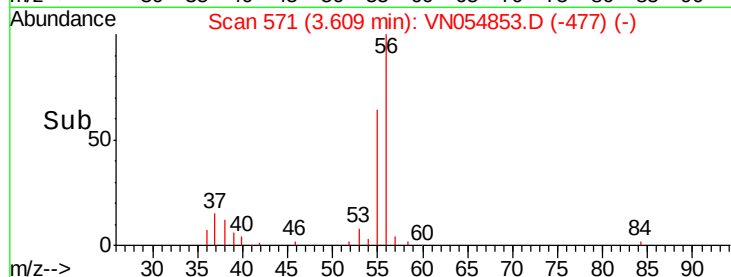
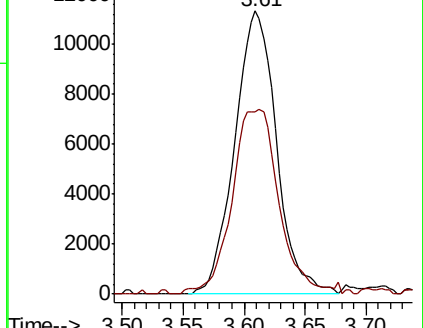
56 100

55 72.6 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN054762.D (-552) (-)

Ion 55.00 (54.70 to 55.70): VN054762.D (-552) (-)



#14

Allyl chloride

Concen: 20.862 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054853.D

Acq: 31 Mar 2019 16:25

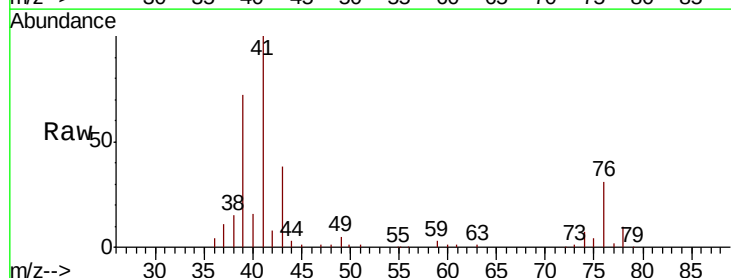
Tgt Ion: 41 Resp: 158915

Ion Ratio Lower Upper

41 100

39 68.1 58.2 87.4

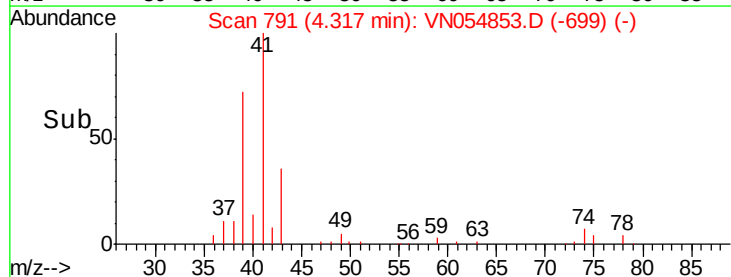
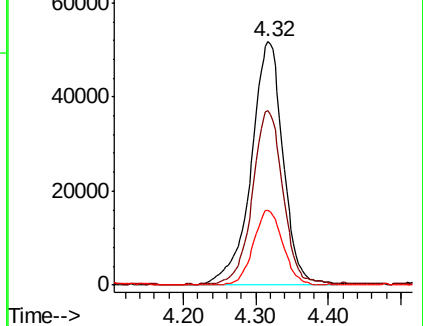
76 28.4 31.7 47.5#

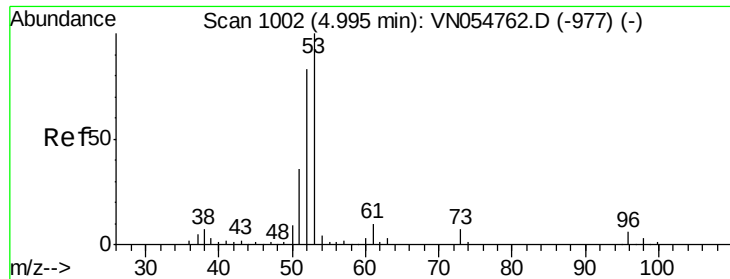


Abundance Ion 41.00 (40.70 to 41.70): VN054762.D (-759) (-)

Ion 39.00 (38.70 to 39.70): VN054762.D (-759) (-)

Ion 75.90 (75.60 to 76.60): VN054762.D (-759) (-)

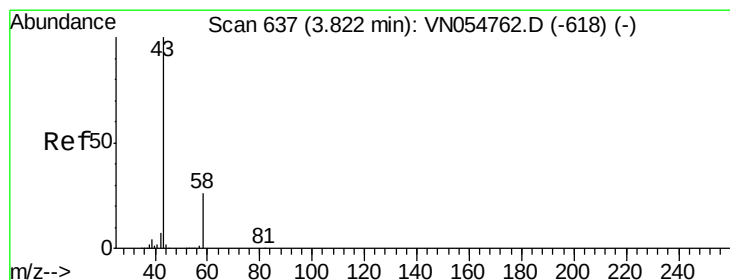
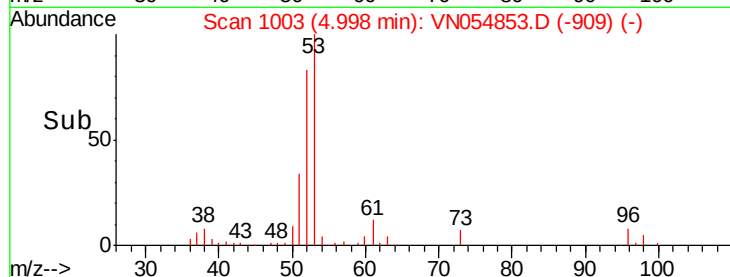
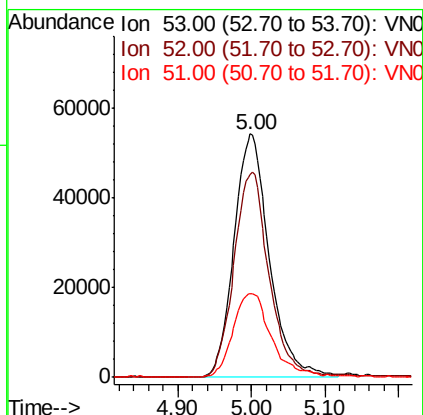
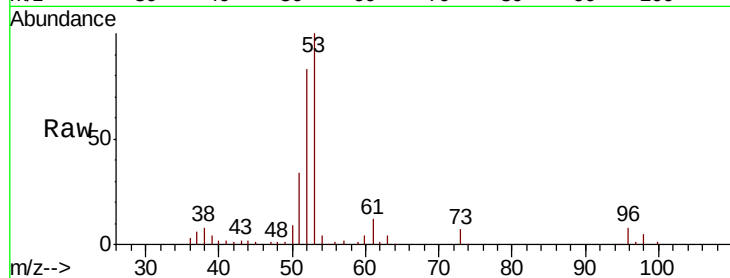




#15
 Acrylonitrile
 Concen: 118.093 ug/l
 RT: 5.00 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: VN054853.D
 Acq: 31 Mar 2019 16:25

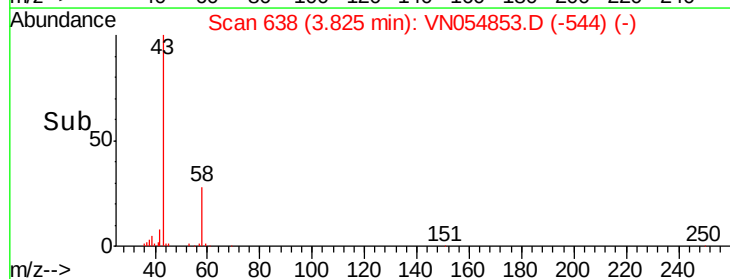
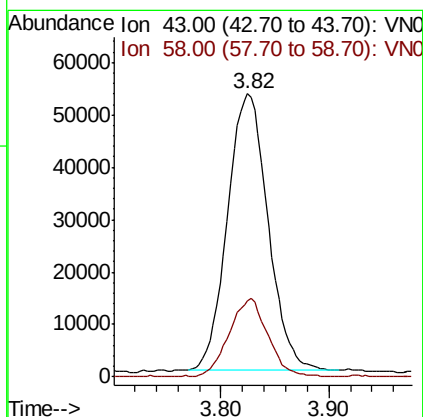
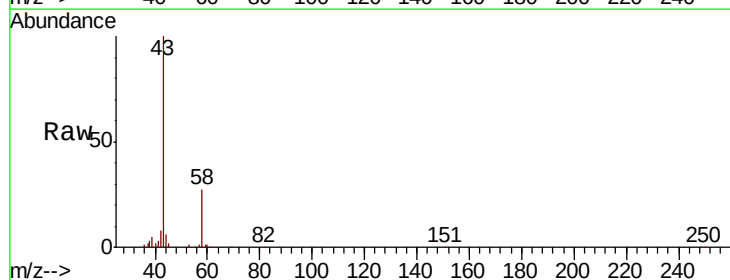
Instrument :
 MSVOA_N
 ClientSampleId :

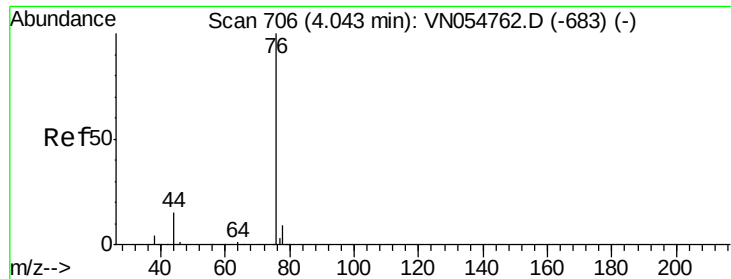
Tot Ion: 53 Resp: 181376
 Ion Ratio Lower Upper
 53 100
 52 83.7 66.4 99.6
 51 37.3 29.6 44.4



#16
 Acetone
 Concen: 109.410 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: VN054853.D
 Acq: 31 Mar 2019 16:25

Tgt Ion: 43 Resp: 138371
 Ion Ratio Lower Upper
 43 100
 58 27.3 29.9 44.9#





#17

Carbon Disulfide

Concen: 18.721 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054853.D

Acq: 31 Mar 2019 16:25

Instrument :

MSVOA_N

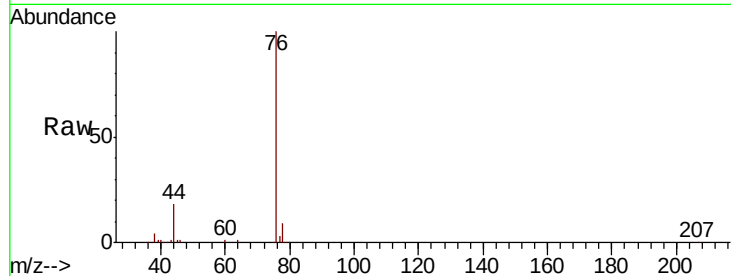
ClientSampleId :

Tot Ion: 76 Resp: 187780

Ion Ratio Lower Upper

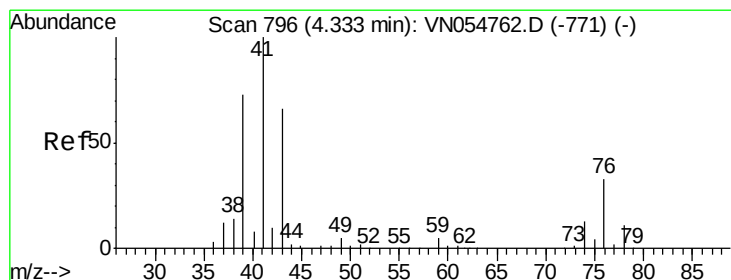
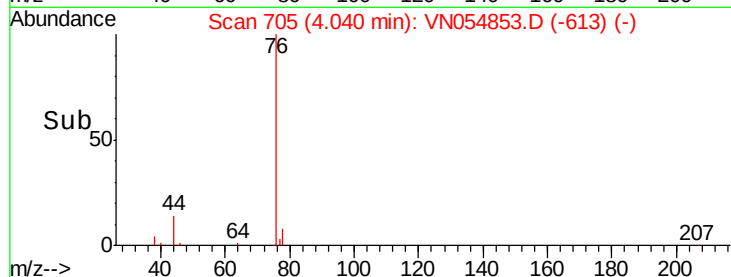
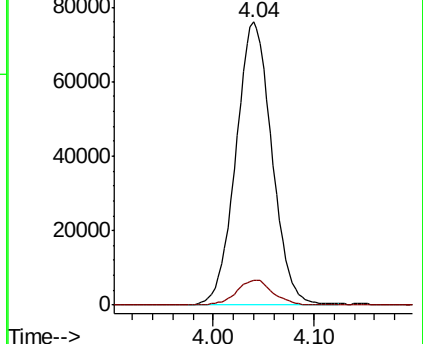
76 100

78 8.9 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 26.424 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054853.D

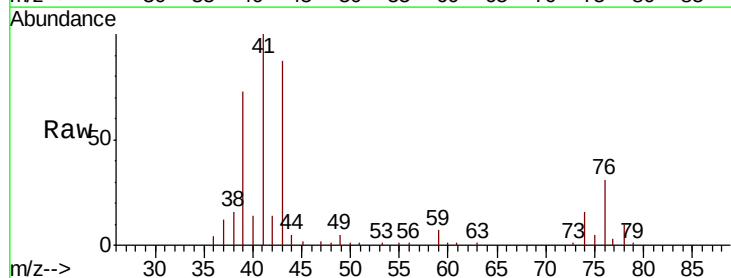
Acq: 31 Mar 2019 16:25

Tgt Ion: 43 Resp: 88471

Ion Ratio Lower Upper

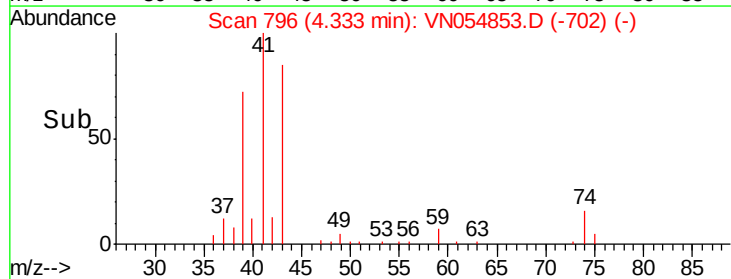
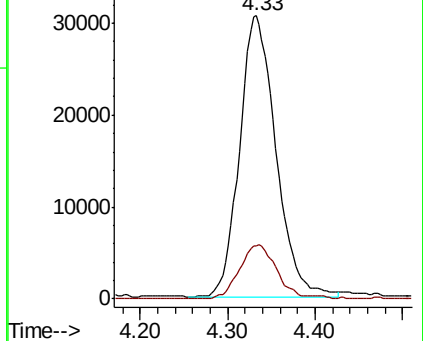
43 100

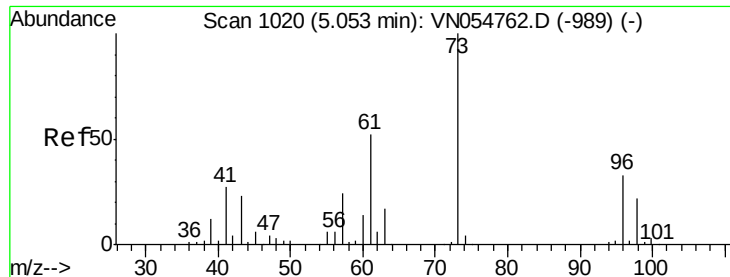
74 19.6 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

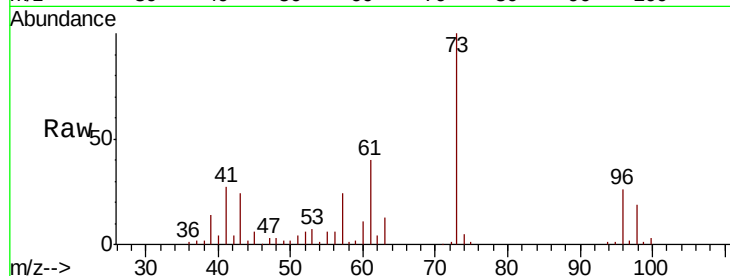




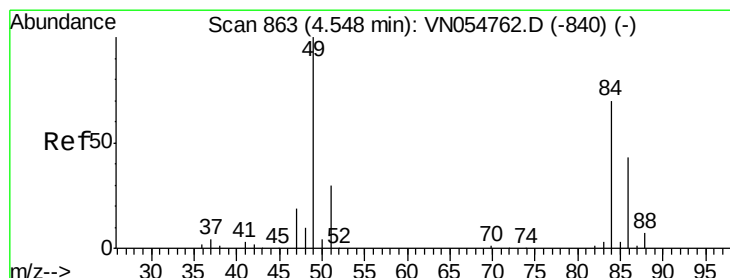
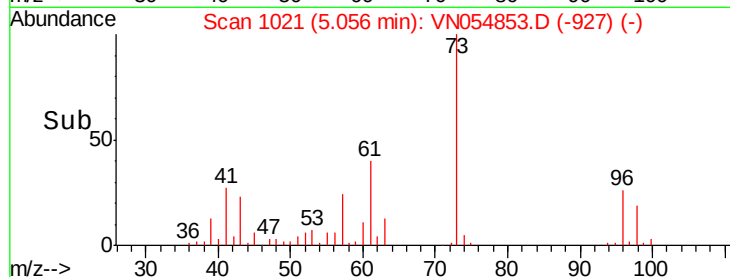
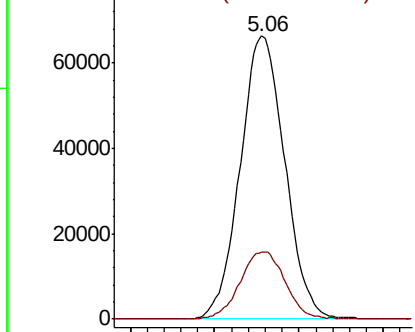
#19
Methyl tert-butyl Ether
Concen: 22.503 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054853.D
Acq: 31 Mar 2019 16:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 73 Resp: 243437
Ion Ratio Lower Upper
73 100
57 23.6 16.8 25.2

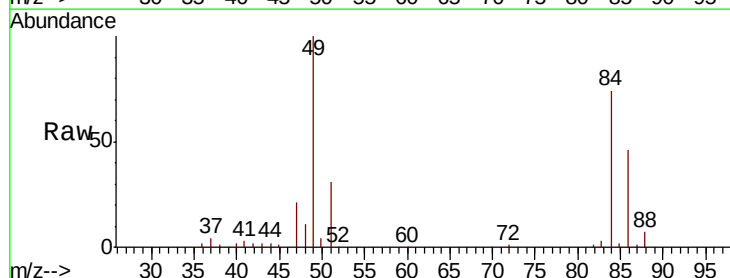


Abundance Ion 73.00 (72.70 to 73.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

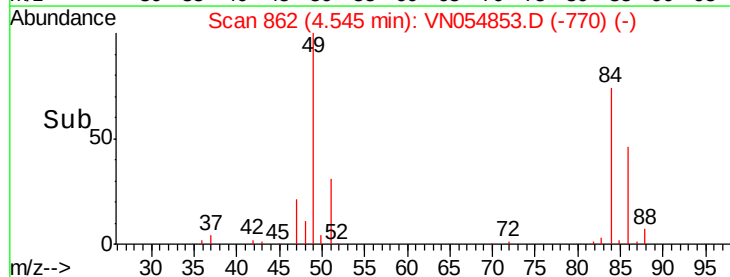
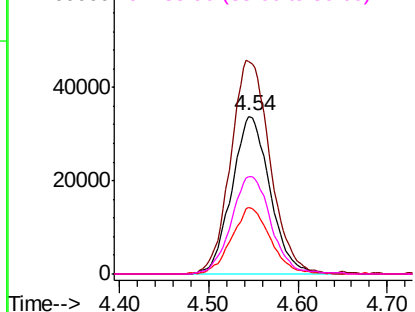


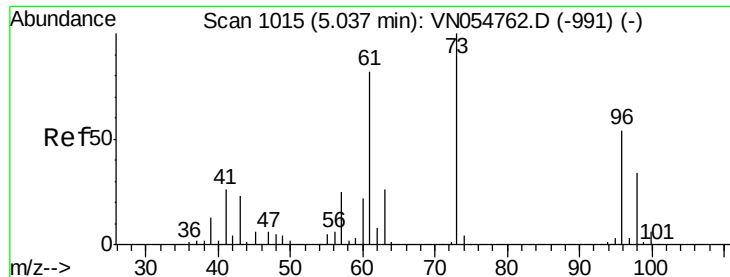
#20
Methylene Chloride
Concen: 22.490 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054853.D
Acq: 31 Mar 2019 16:25

Tgt Ion: 84 Resp: 100331
Ion Ratio Lower Upper
84 100
49 134.9 89.7 134.5#
51 42.2 28.2 42.4
86 62.0 50.8 76.2



Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0





#21

trans-1,2-Dichloroethene

Concen: 20.669 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN054853.D

Acq: 31 Mar 2019 16:25

Instrument :
MSVOA_N
ClientSampled :

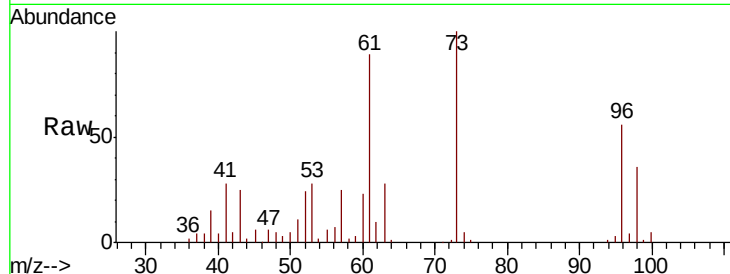
Tot Ion: 96 Resp: 83959

Ion Ratio Lower Upper

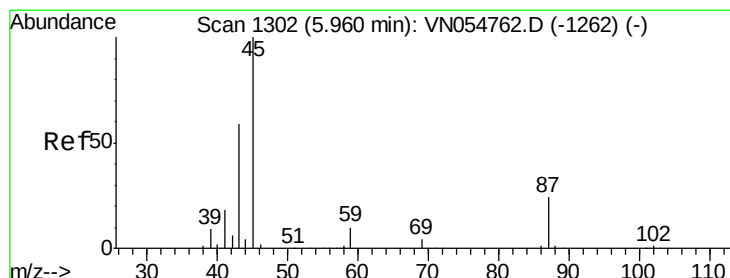
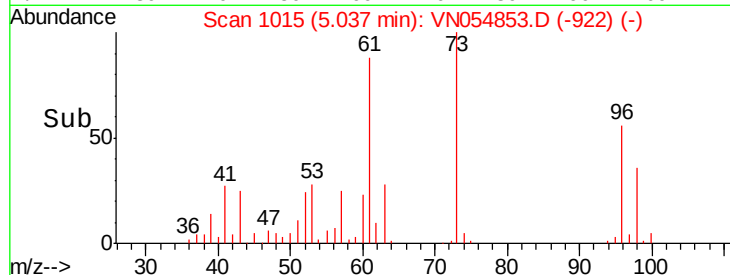
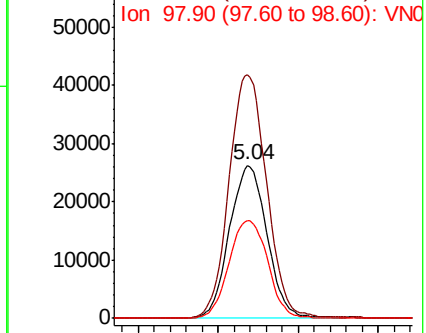
96 100

61 159.2 102.8 154.2#

98 64.0 50.0 75.0



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



#22

Diisopropyl ether

Concen: 21.902 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VN054853.D

Acq: 31 Mar 2019 16:25

Tgt Ion: 45 Resp: 329973

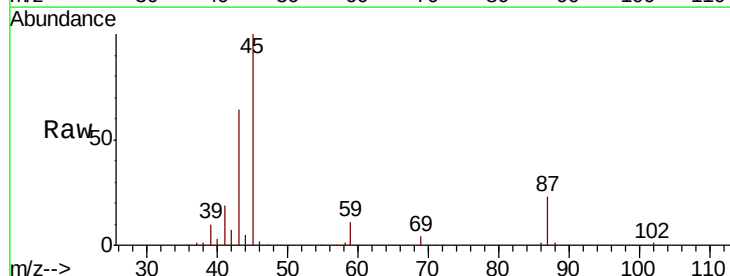
Ion Ratio Lower Upper

45 100

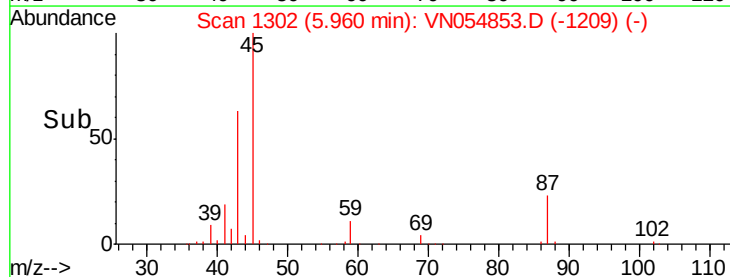
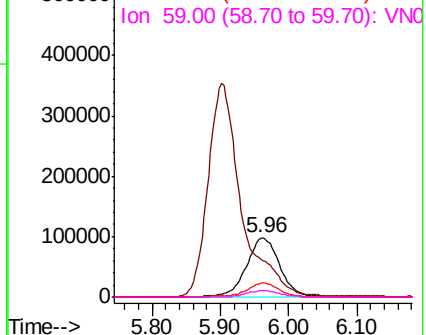
43 61.5 48.2 72.2

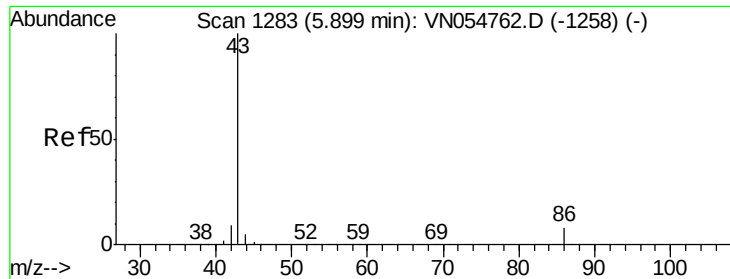
87 23.3 24.9 37.3#

59 10.6 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

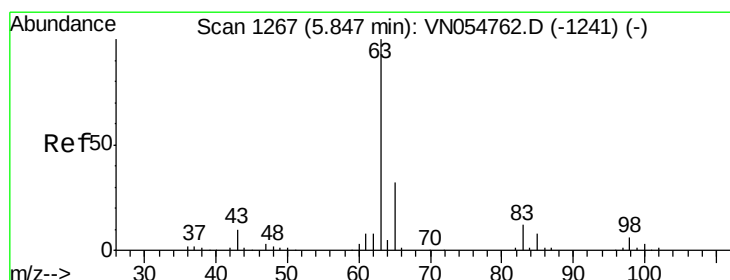
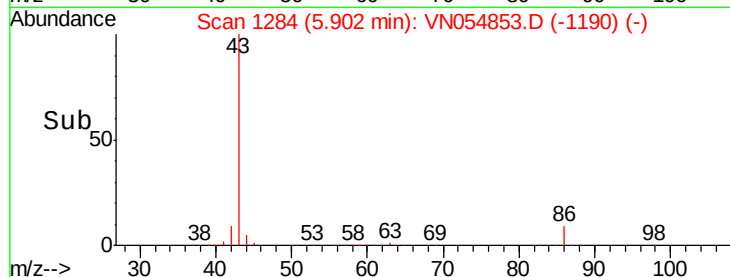
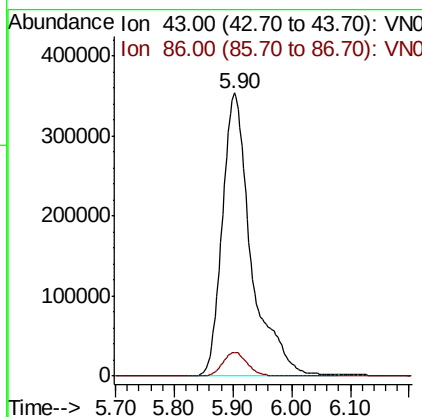
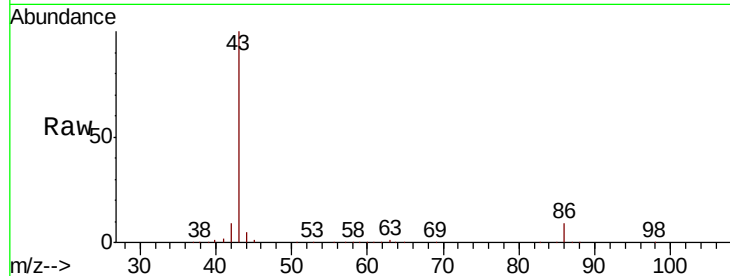




#23
 Vinyl Acetate
 Concen: 115.238 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VN054853.D
 Acq: 31 Mar 2019 16:25

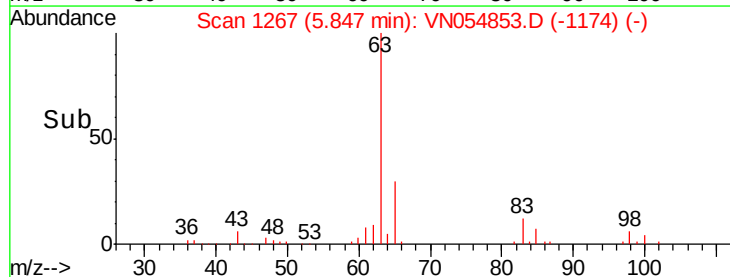
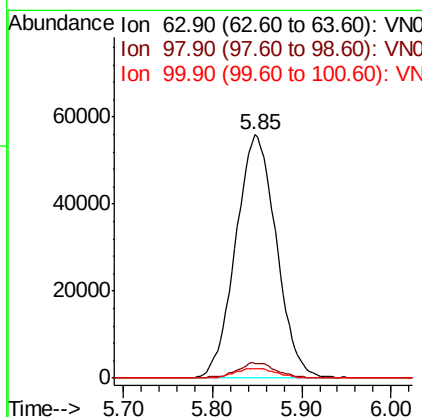
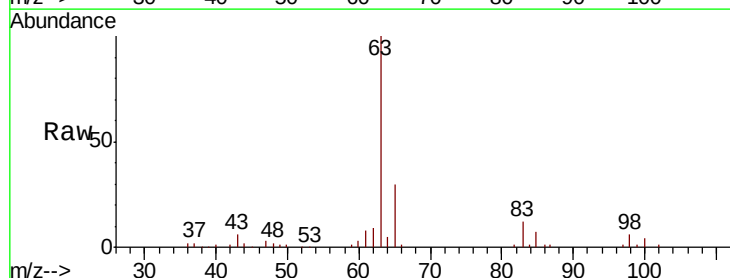
Instrument :
 MSVOA_N
 ClientSampleId :

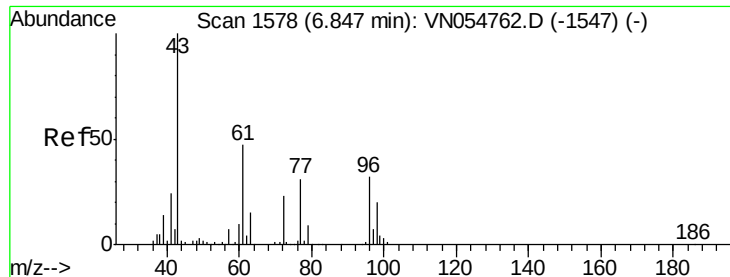
Tot Ion: 43 Resp: 1208211
 Ion Ratio Lower Upper
 43 100
 86 8.5 9.1 13.7#



#24
 1,1-Dichloroethane
 Concen: 22.005 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN054853.D
 Acq: 31 Mar 2019 16:25

Tgt Ion: 63 Resp: 176850
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.5 10.5
 100 4.1 2.0 6.0





#25

2-Butanone

Concen: 121.399 ug/l

RT: 6.85 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VN054853.D

Acq: 31 Mar 2019 16:25

Instrument :

MSVOA_N

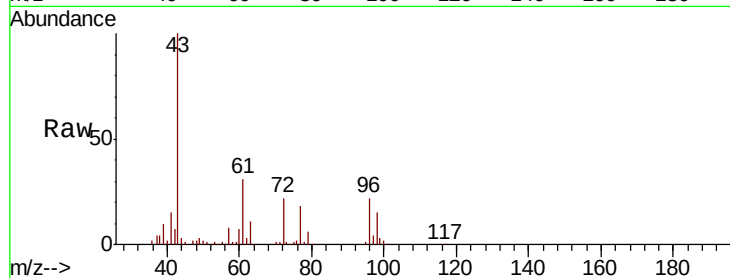
ClientSampled :

Tot Ion: 43 Resp: 226950

Ion Ratio Lower Upper

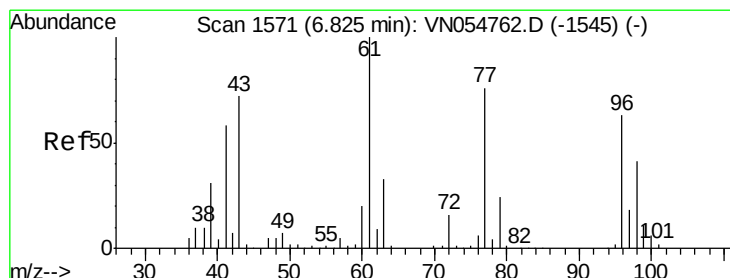
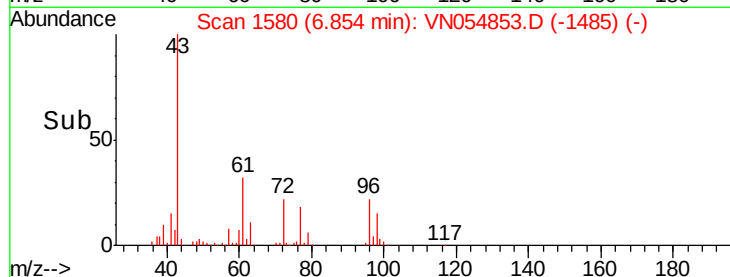
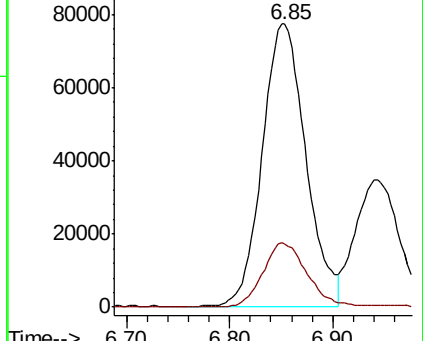
43 100

72 22.4 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 19.212 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054853.D

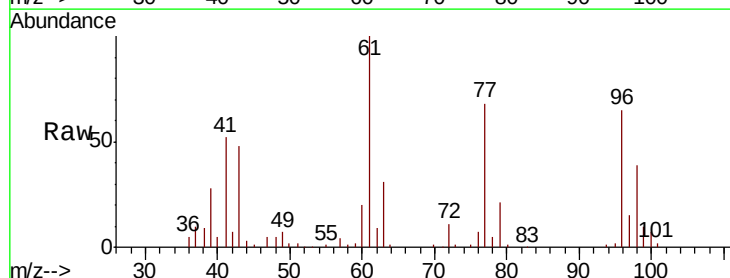
Acq: 31 Mar 2019 16:25

Tgt Ion: 77 Resp: 108221

Ion Ratio Lower Upper

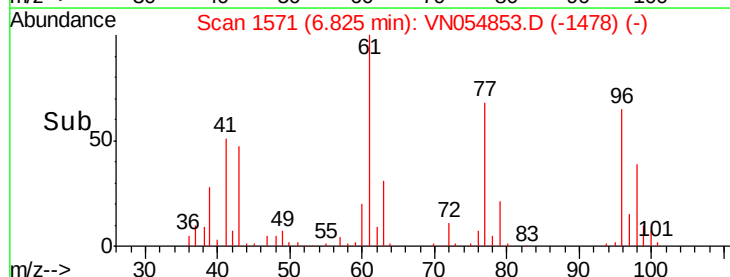
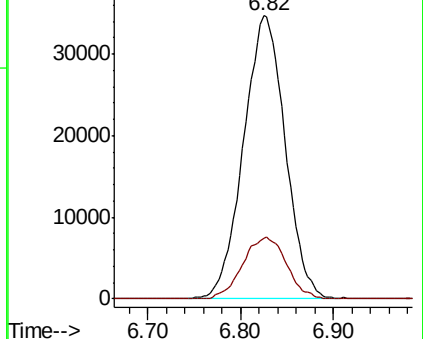
77 100

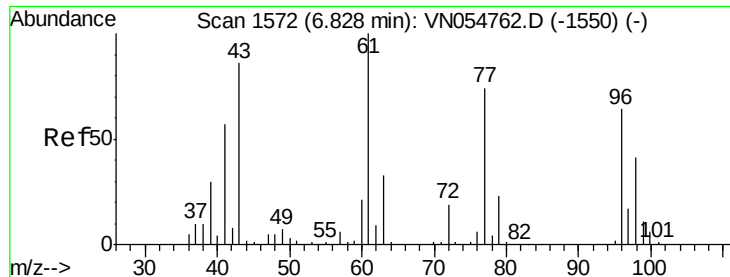
97 22.8 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 21.971 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054853.D

Acq: 31 Mar 2019 16:25

Instrument :
MSVOA_N
ClientSampleId :

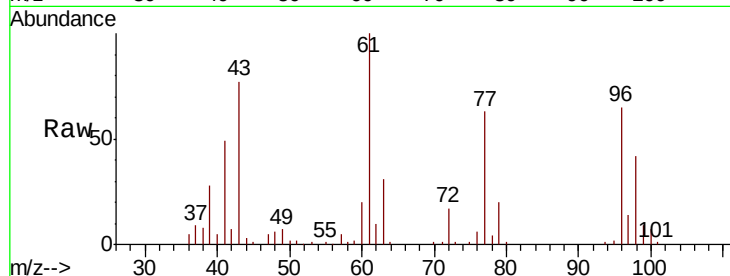
Tot Ion: 96 Resp: 100820

Ion Ratio Lower Upper

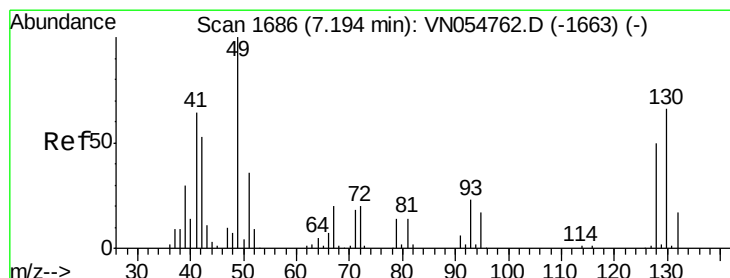
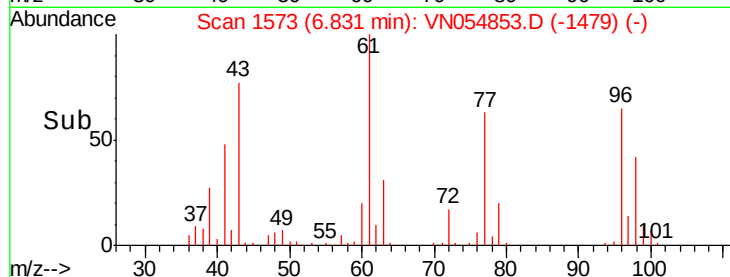
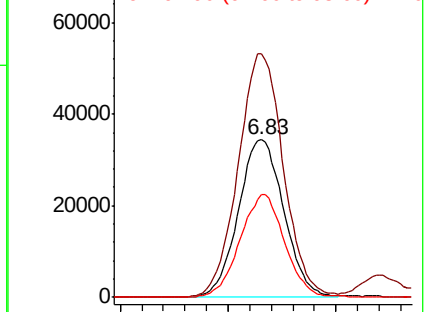
96 100

61 154.0 0.0 273.0

98 64.2 0.0 130.6



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: 23.884 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054853.D

Acq: 31 Mar 2019 16:25

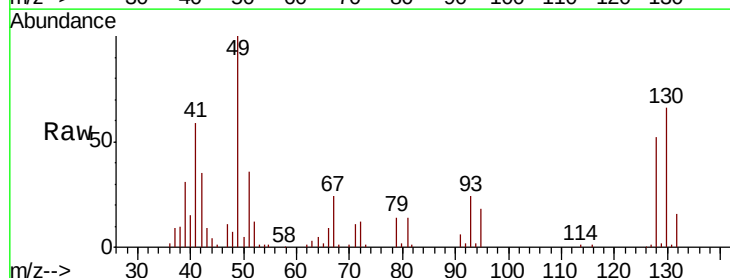
Tgt Ion: 49 Resp: 95982

Ion Ratio Lower Upper

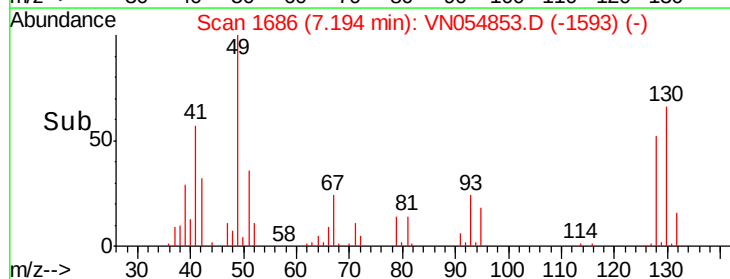
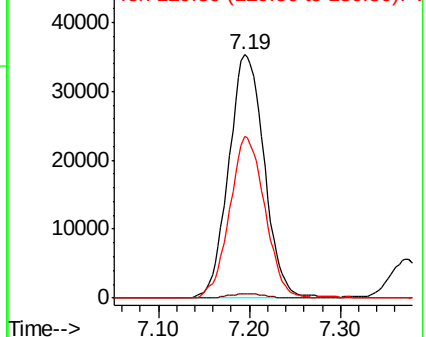
49 100

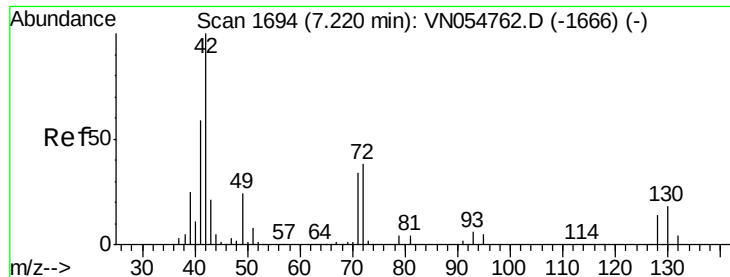
129 1.7 0.0 4.6

130 65.5 76.7 115.1#



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





#29

Tetrahydrofuran

Concen: 119.175 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VN054853.D

Acq: 31 Mar 2019 16:25

Instrument :
MSVOA_N
ClientSampled :

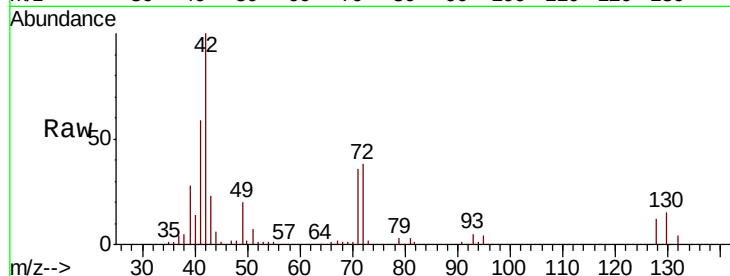
Tot Ion: 42 Resp: 154740

Ion Ratio Lower Upper

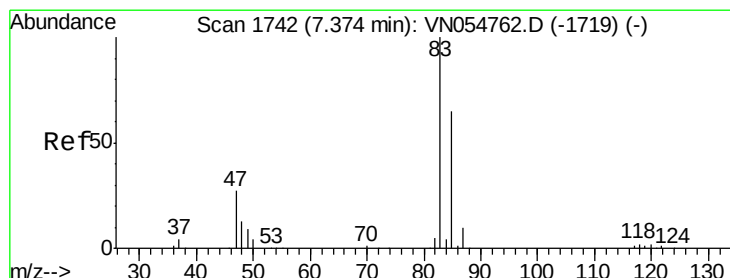
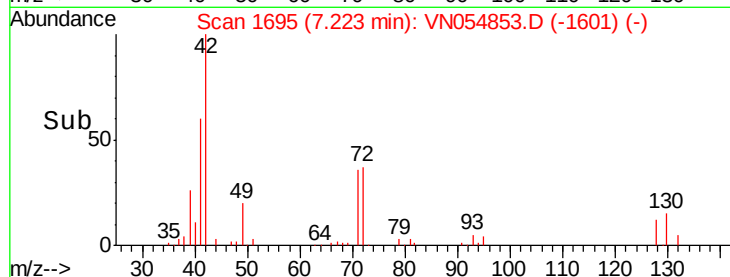
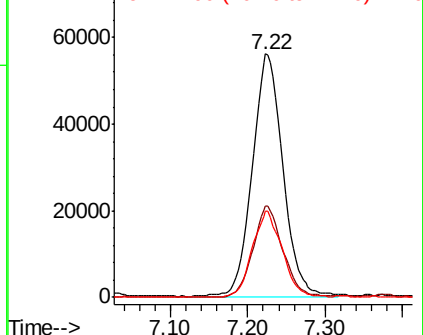
42 100

72 36.9 37.8 56.6#

71 35.1 36.2 54.2#



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



#30

Chloroform

Concen: 22.153 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN054853.D

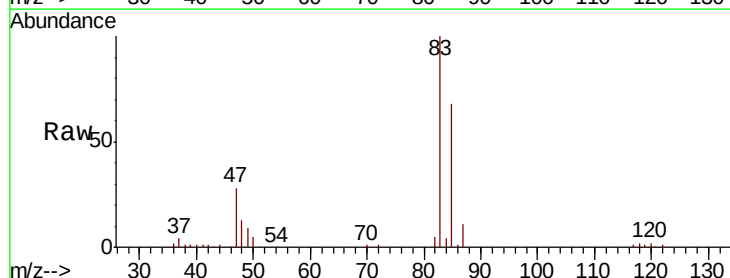
Acq: 31 Mar 2019 16:25

Tgt Ion: 83 Resp: 169769

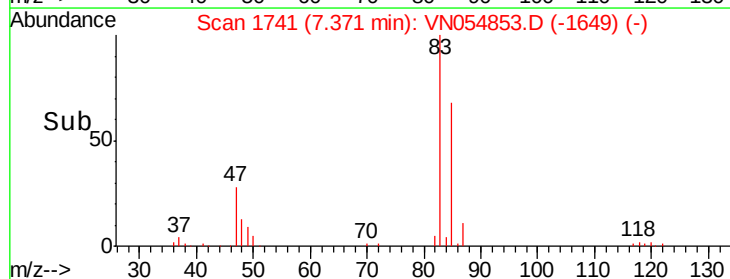
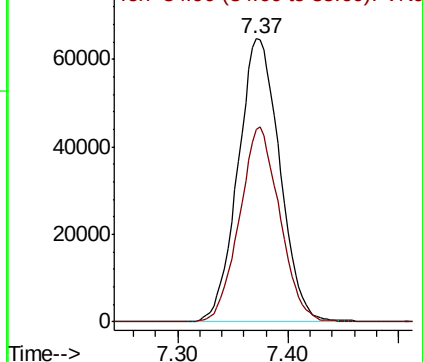
Ion Ratio Lower Upper

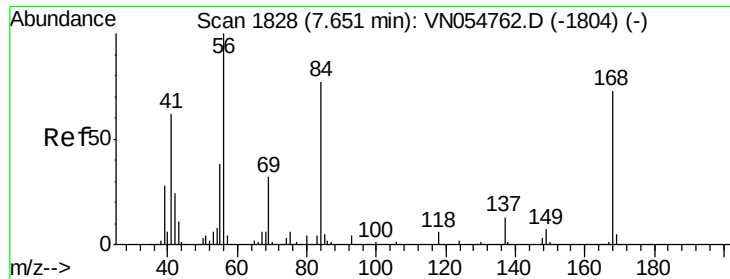
83 100

85 67.9 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

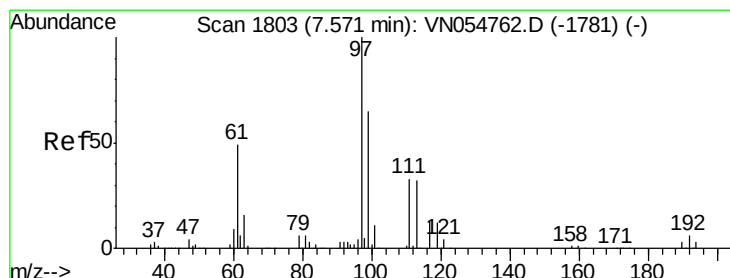
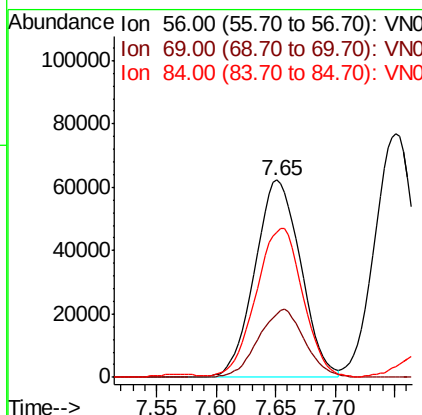
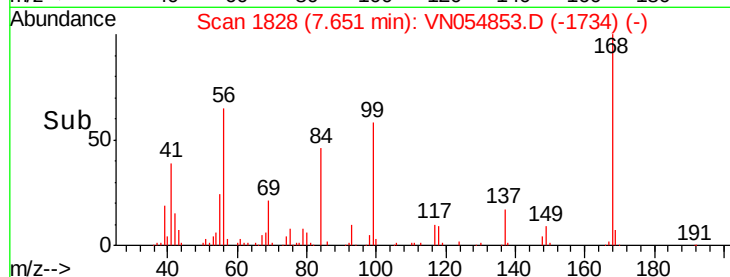
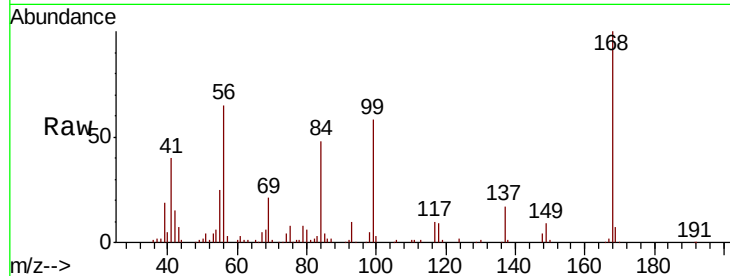




#31
Cyclohexane
Concen: 21.584 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054853.D
Acq: 31 Mar 2019 16:25

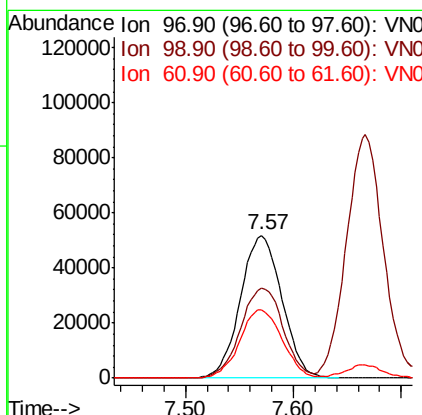
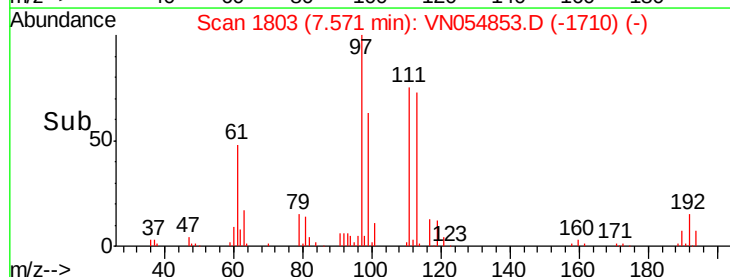
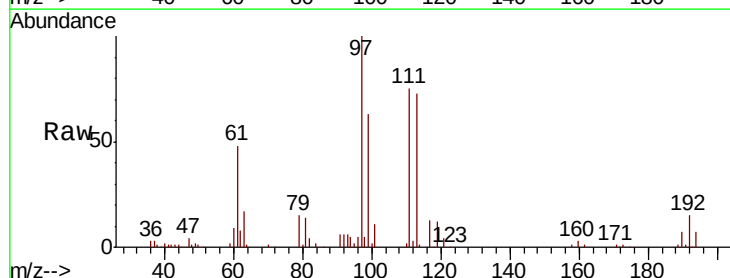
Instrument :
MSVOA_N
ClientSampleId :

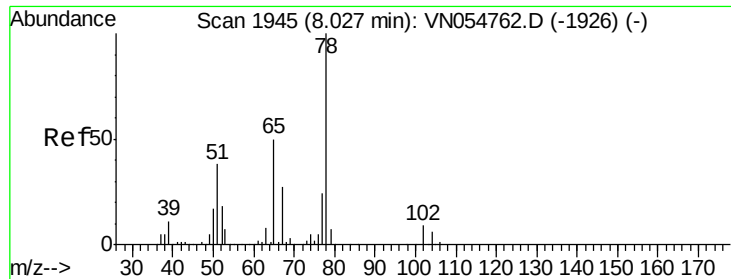
Tot Ion: 56 Resp: 166630
Ion Ratio Lower Upper
56 100
69 31.3 27.8 41.6
84 72.2 74.6 111.8#



#32
1,1,1-Trichloroethane
Concen: 21.796 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054853.D
Acq: 31 Mar 2019 16:25

Tgt Ion: 97 Resp: 138422
Ion Ratio Lower Upper
97 100
99 64.9 51.5 77.3
61 49.1 33.6 50.4

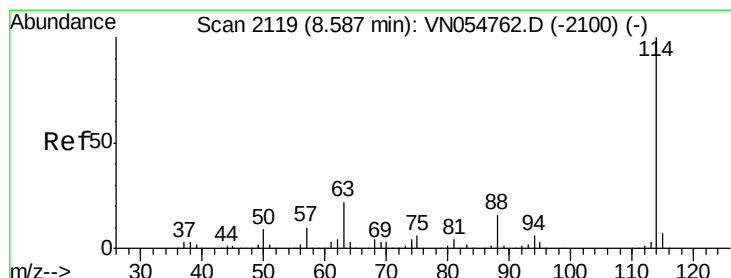
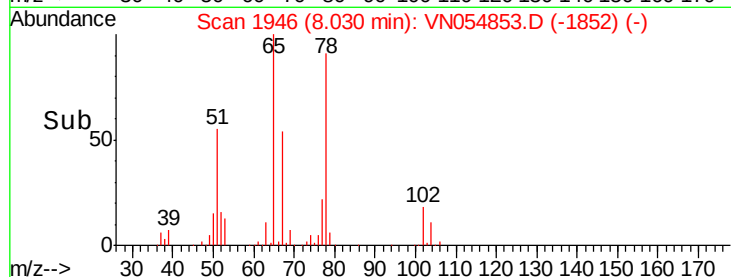
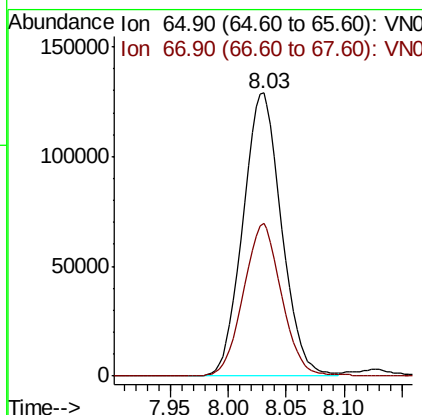
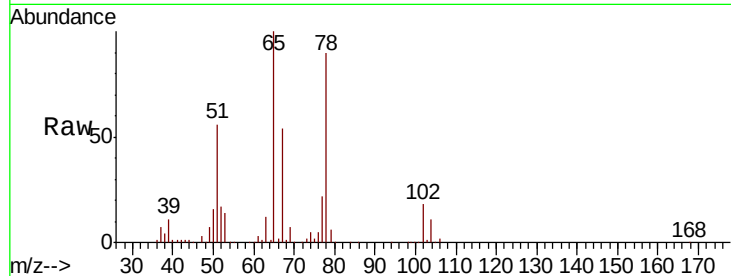




#33
 1,2-Dichloroethane-d4
 Concen: 56.443 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054853.D
 Acq: 31 Mar 2019 16:25

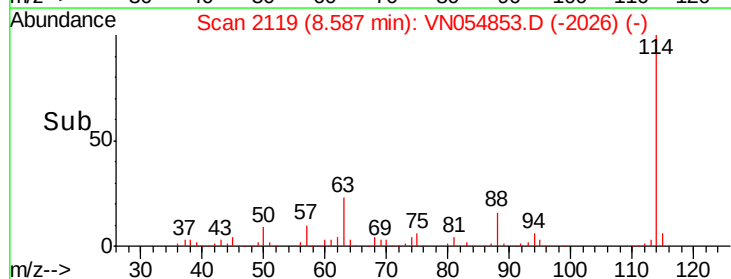
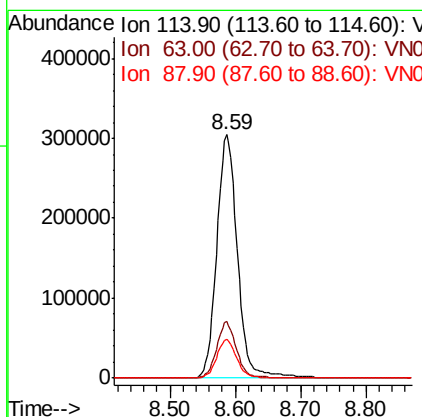
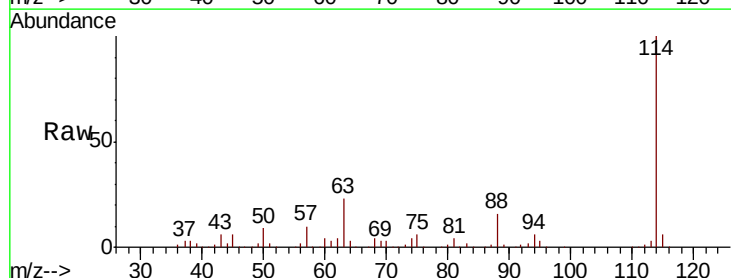
Instrument :
 MSVOA_N
 ClientSampled :

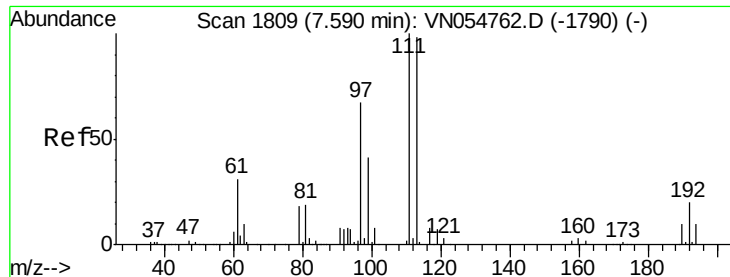
Tot Ion: 65 Resp: 299346
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054853.D
 Acq: 31 Mar 2019 16:25

Tgt Ion: 114 Resp: 672511
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 35.2
 88 15.7 0.0 30.2

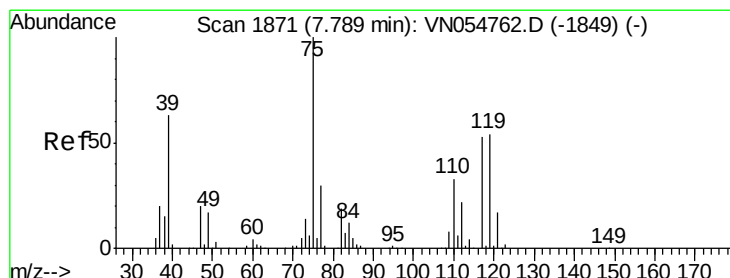
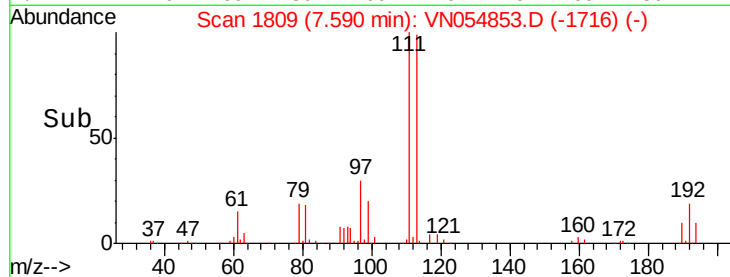
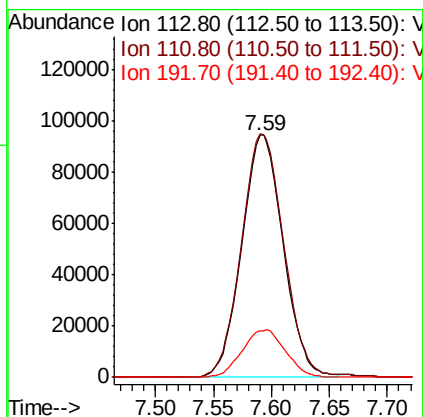
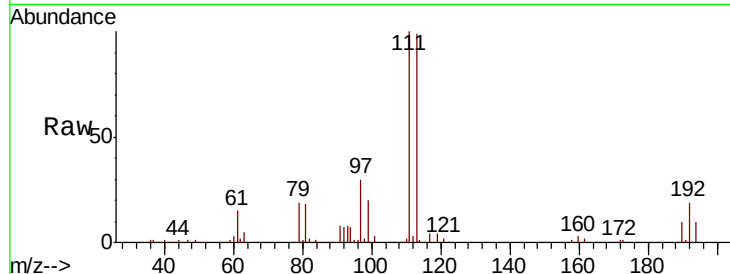




#35
 Dibromofluoromethane
 Concen: 52.507 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054853.D
 Acq: 31 Mar 2019 16:25

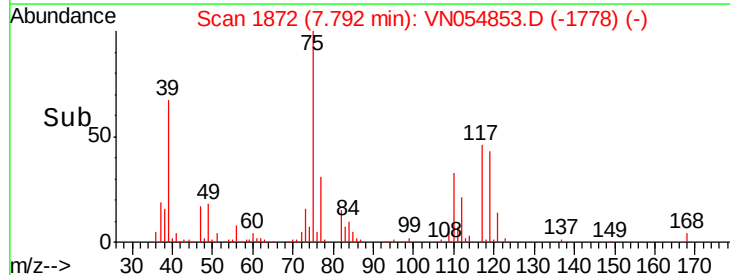
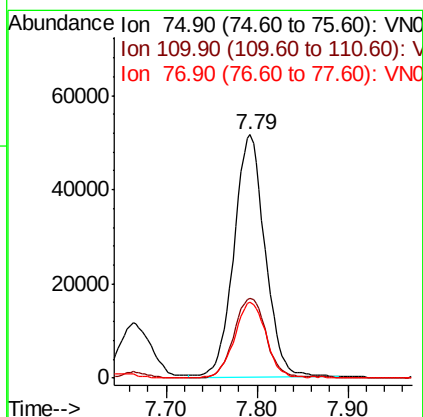
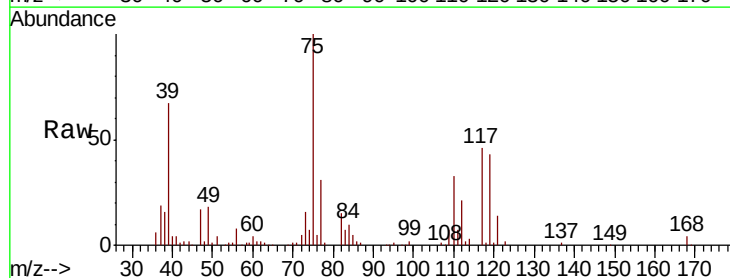
Instrument :
 MSVOA_N
 ClientSampled :

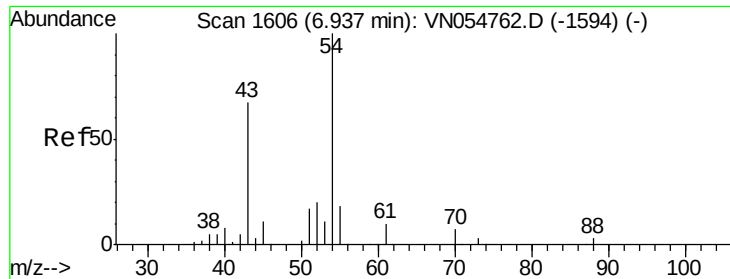
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.2	123.4
192	20.4	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 19.515 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054853.D
 Acq: 31 Mar 2019 16:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.2	19.1	57.5
77	31.8	25.0	37.4

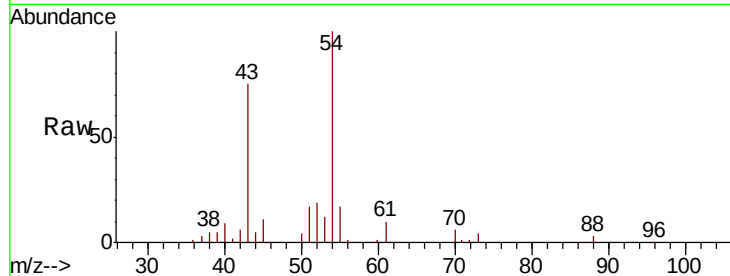




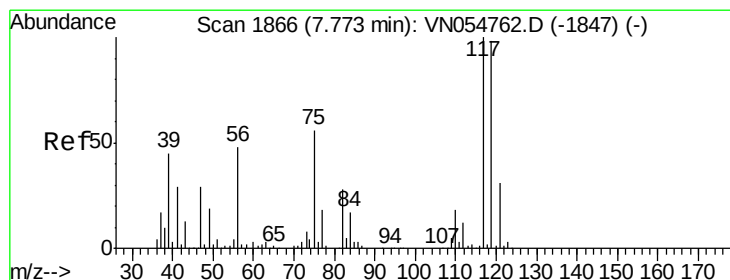
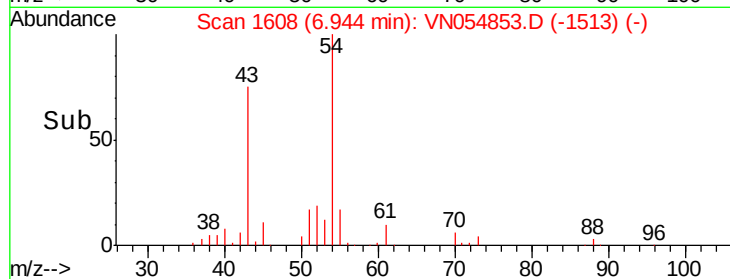
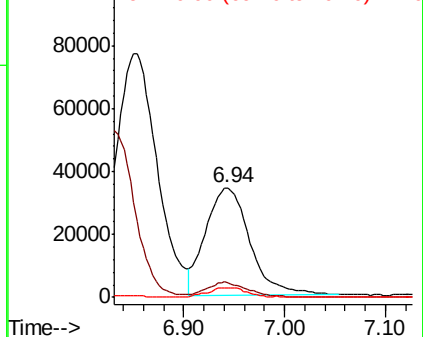
#37
Ethyl Acetate
Concen: 22.853 ug/l
RT: 6.94 min Scan# 1608
Delta R.T. 0.01 min
Lab File: VN054853.D
Acq: 31 Mar 2019 16:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 105020
Ion Ratio Lower Upper
43 100
61 13.5 11.8 17.6
70 7.9 8.4 12.6#

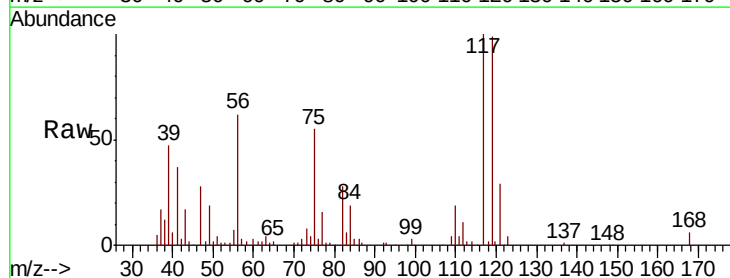


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

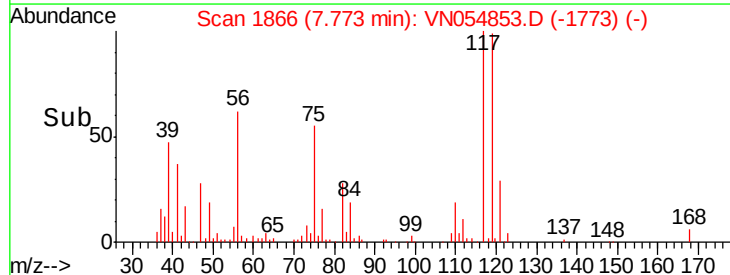
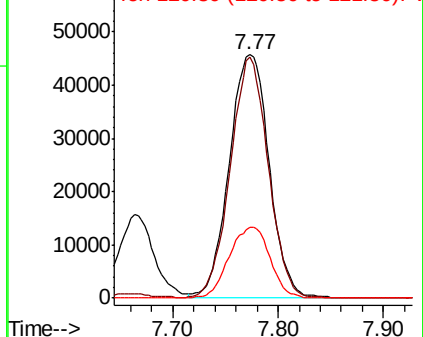


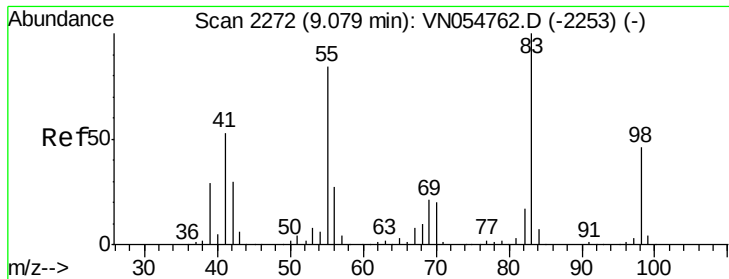
#38
Carbon Tetrachloride
Concen: 19.745 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054853.D
Acq: 31 Mar 2019 16:25

Tgt Ion: 117 Resp: 120179
Ion Ratio Lower Upper
117 100
119 99.2 76.3 114.5
121 29.1 24.6 36.8



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

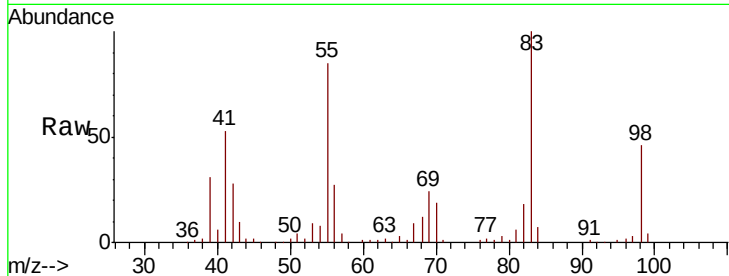




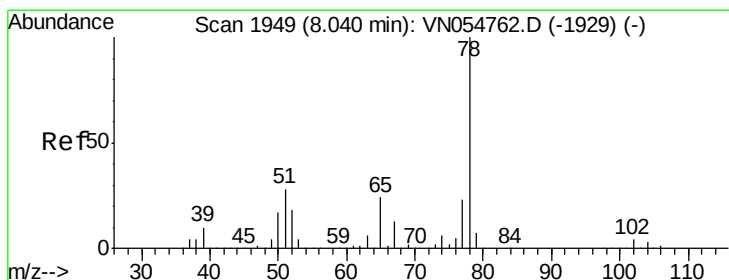
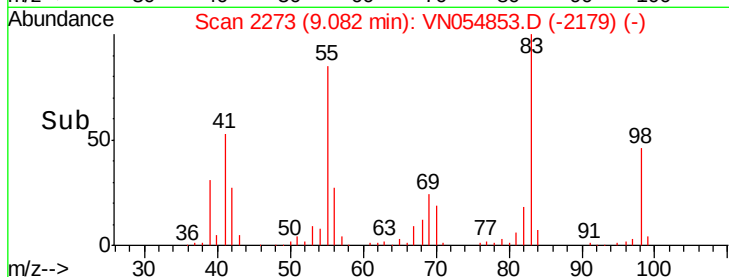
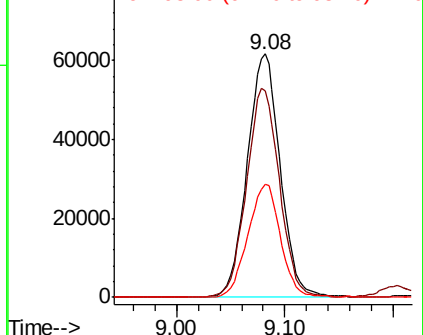
#39
Methylvlcyclohexane
Concen: 18.993 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054853.D
Acq: 31 Mar 2019 16:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 130846
Ion Ratio Lower Upper
83 100
55 84.7 56.6 84.8
98 46.3 38.4 57.6

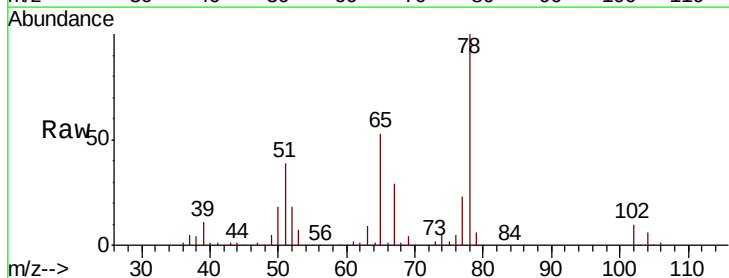


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

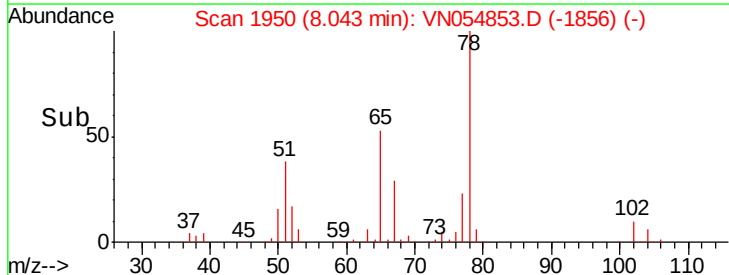
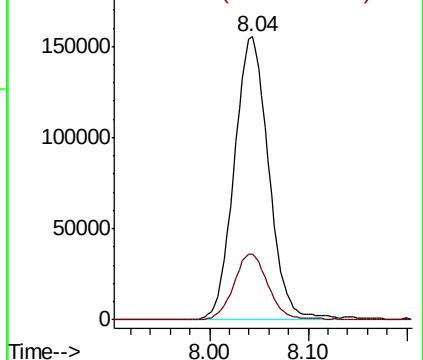


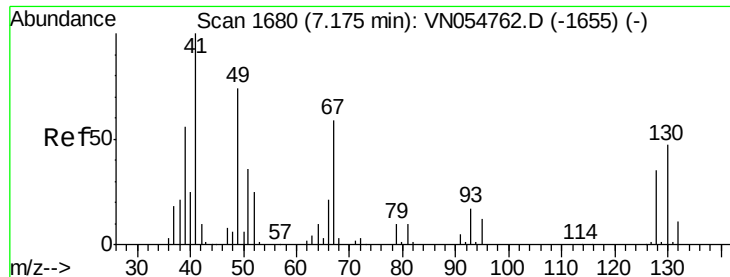
#40
Benzene
Concen: 20.992 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054853.D
Acq: 31 Mar 2019 16:25

Tgt Ion: 78 Resp: 376399
Ion Ratio Lower Upper
78 100
77 23.2 19.1 28.7



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

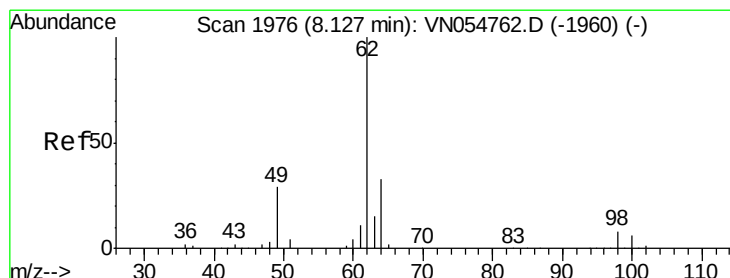
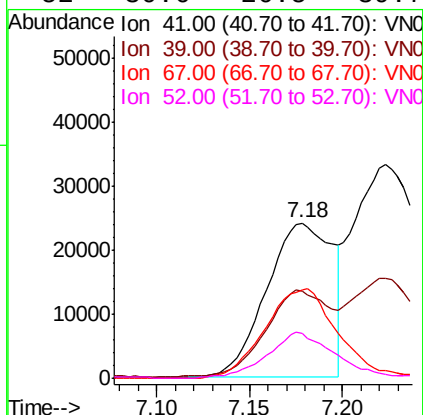
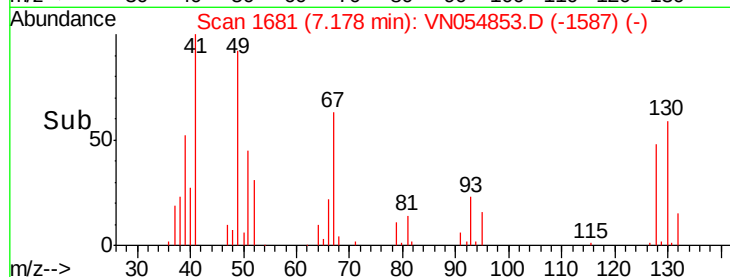
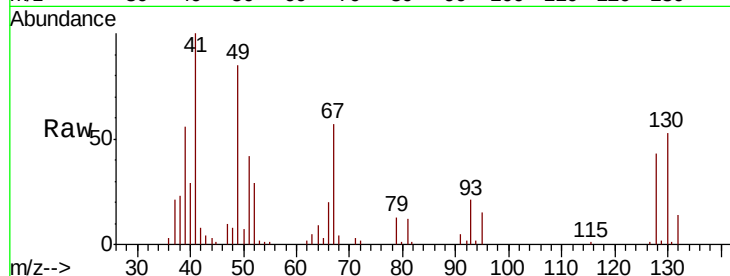




#41
Methacrylonitrile
Concen: 23.085 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054853.D
Acq: 31 Mar 2019 16:25

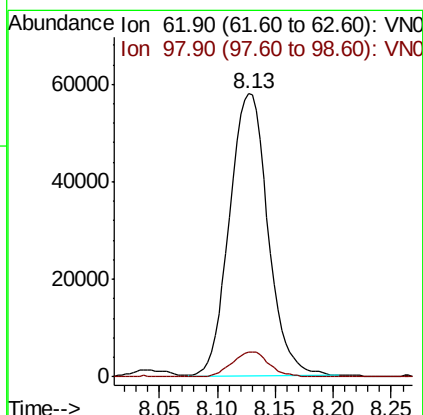
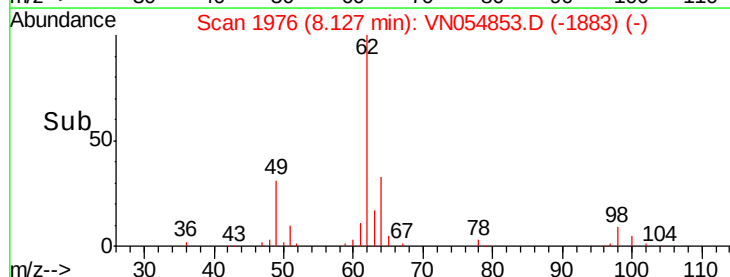
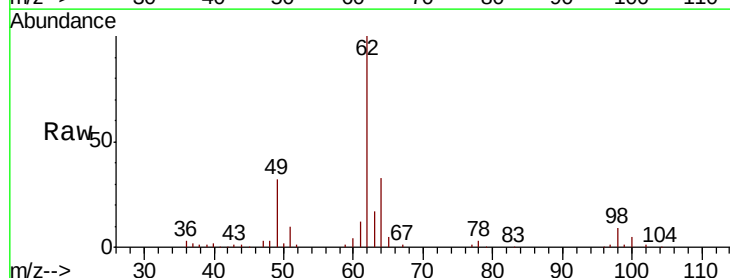
Instrument :
MSVOA_N
ClientSampled :

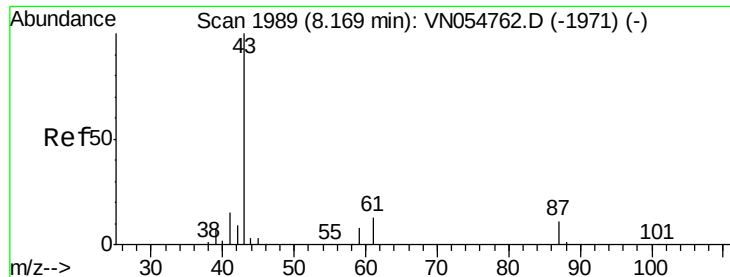
Tot Ion: 41 Resp: 59594
Ion Ratio Lower Upper
41 100
39 55.3 46.8 70.2
67 65.2 67.0 100.4#
52 30.6 26.5 39.7



#42
1,2-Dichloroethane
Concen: 20.895 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN054853.D
Acq: 31 Mar 2019 16:25

Tgt Ion: 62 Resp: 133776
Ion Ratio Lower Upper
62 100
98 8.5 0.0 18.4





#43

Isopropyl Acetate

Concen: 23.118 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054853.D

Acq: 31 Mar 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

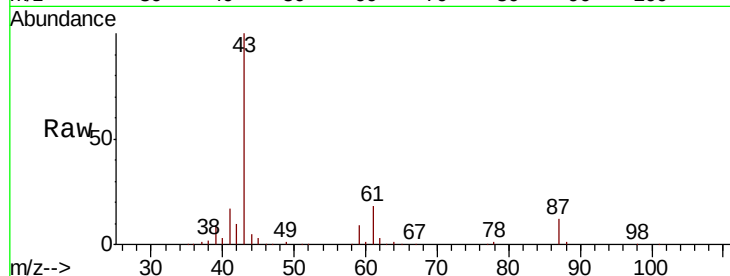
Tot Ion: 43 Resp: 172619

Ion Ratio Lower Upper

43 100

61 16.5 15.8 23.8

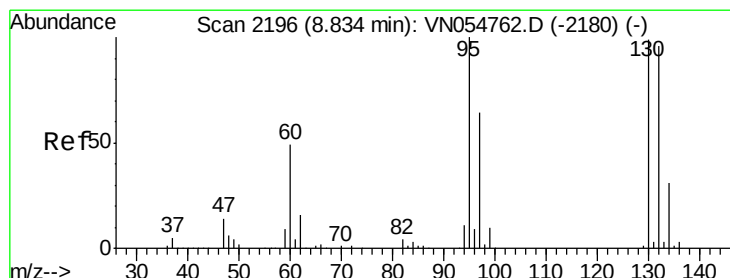
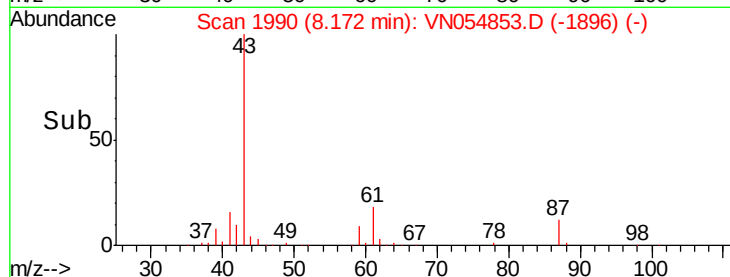
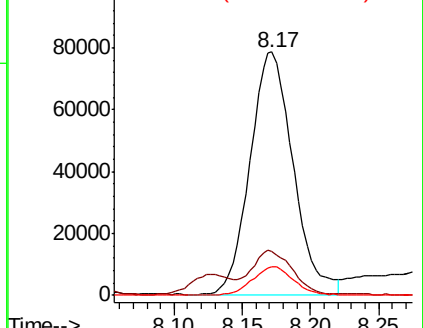
87 11.1 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054853.D (-1990) (-)

Ion 61.00 (60.70 to 61.70): VN054853.D (-1990) (-)

Ion 87.00 (86.70 to 87.70): VN054853.D (-1990) (-)



#44

Trichloroethene

Concen: 20.237 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054853.D

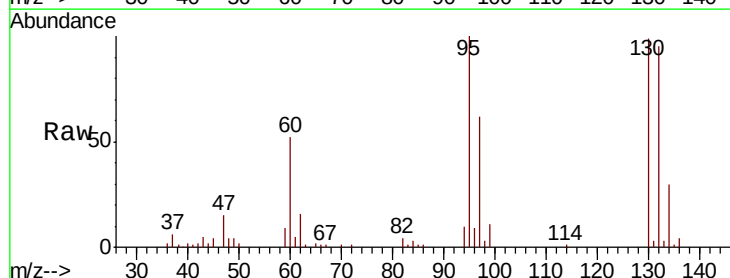
Acq: 31 Mar 2019 16:25

Tgt Ion:130 Resp: 94198

Ion Ratio Lower Upper

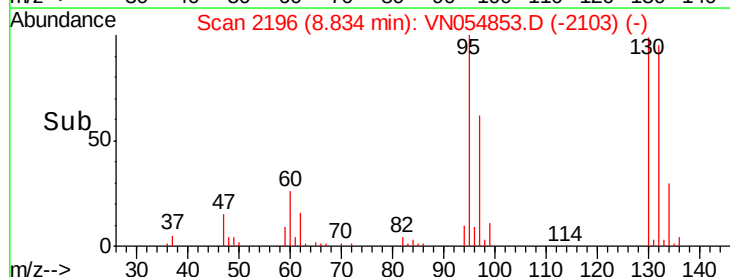
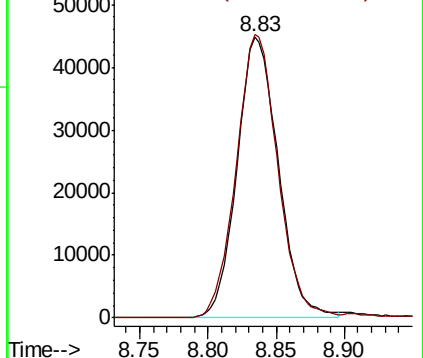
130 100

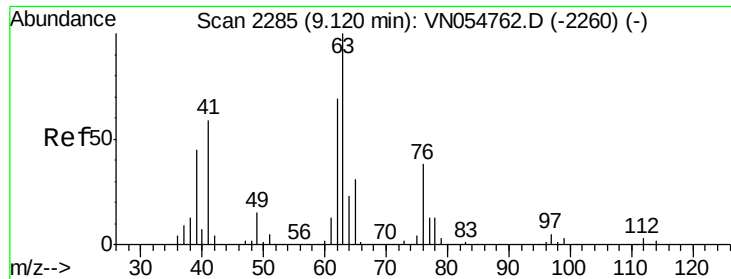
95 100.8 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054853.D (-2196) (-)

Ion 94.90 (94.60 to 95.60): VN054853.D (-2196) (-)

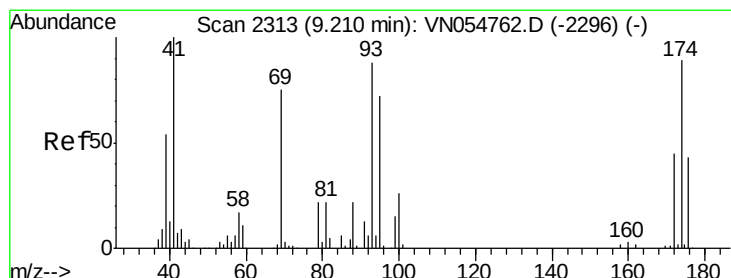
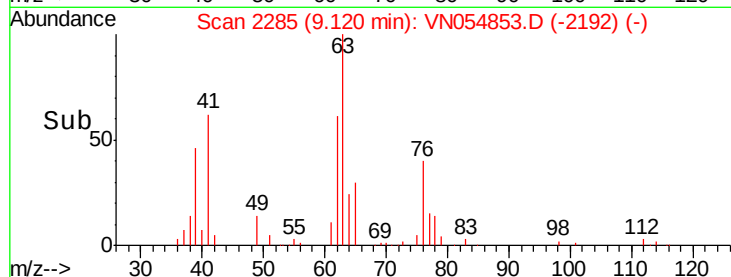
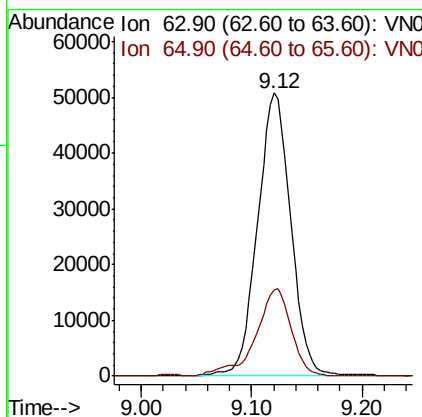
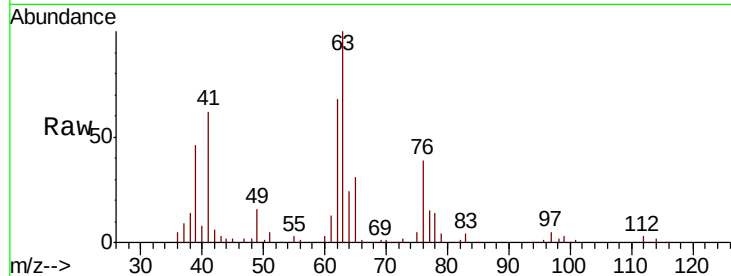




#45
 1,2-Dichloropropane
 Concen: 20.710 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054853.D
 Acq: 31 Mar 2019 16:25

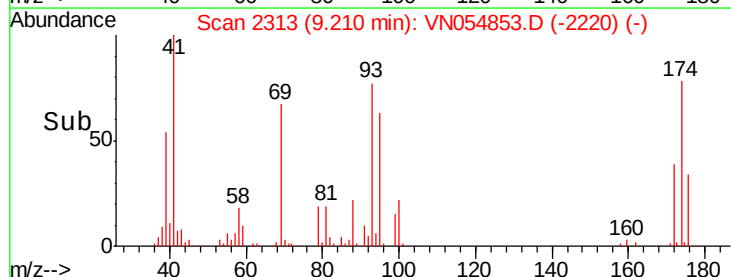
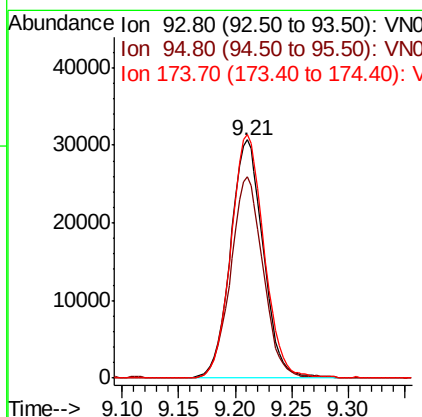
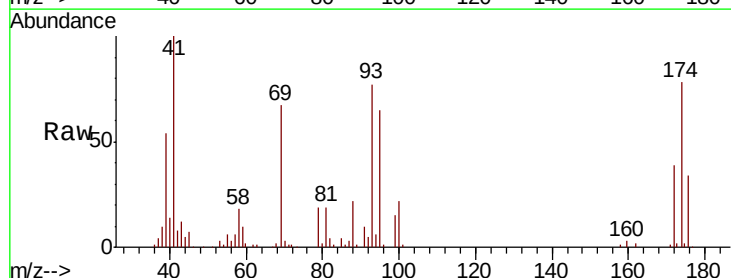
Instrument :
 MSVOA_N
 ClientSampled :

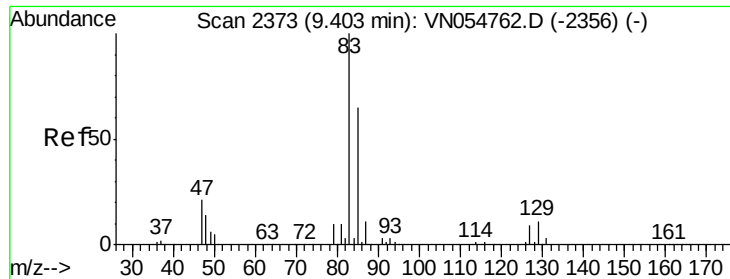
Tot Ion: 63 Resp: 105885
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.6



#46
 Dibromomethane
 Concen: 21.461 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN054853.D
 Acq: 31 Mar 2019 16:25

Tgt Ion: 93 Resp: 61726
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.7 100.1
 174 103.5 98.5 147.7





#47

Bromodichloromethane

Concen: 21.496 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054853.D

Acq: 31 Mar 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

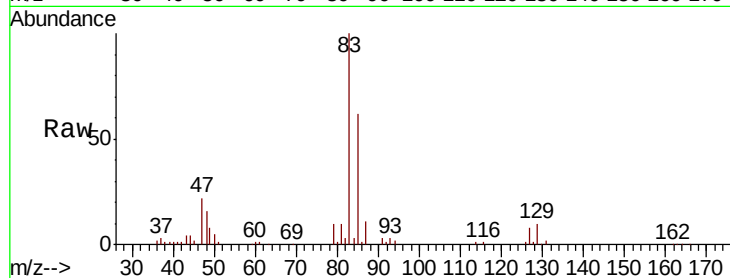
Tot Ion: 83 Resp: 128493

Ion Ratio Lower Upper

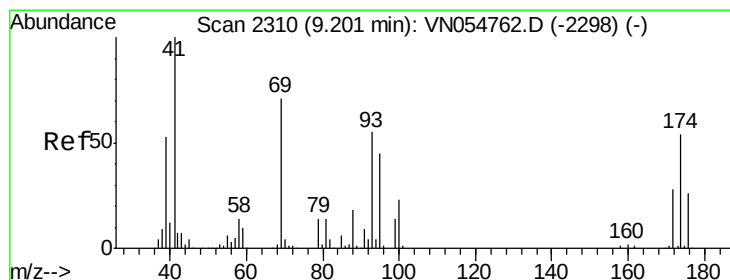
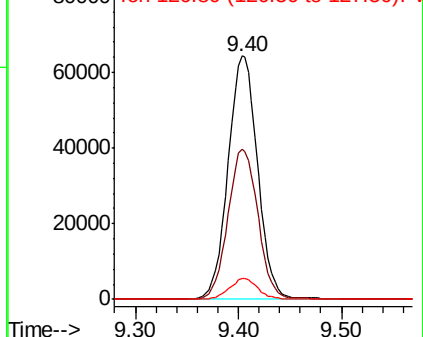
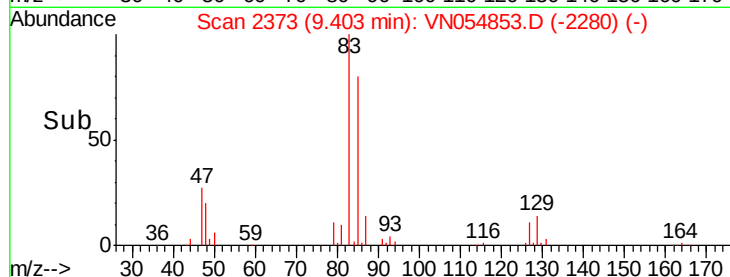
83 100

85 61.6 52.8 79.2

127 8.4 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN054853.D (-2280) (-)



#48

Methyl methacrylate

Concen: 21.478 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054853.D

Acq: 31 Mar 2019 16:25

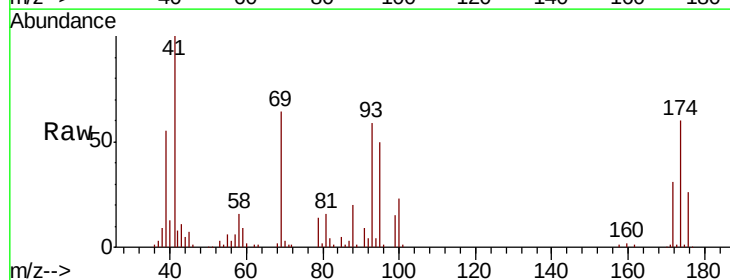
Tgt Ion: 41 Resp: 86936

Ion Ratio Lower Upper

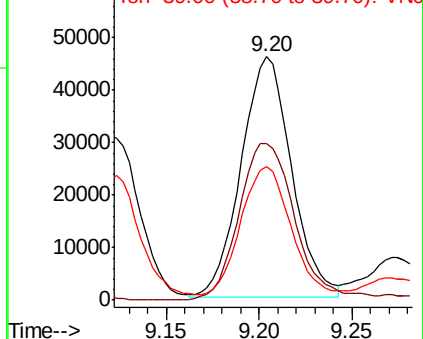
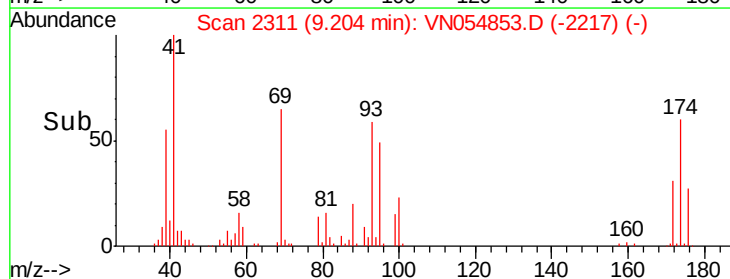
41 100

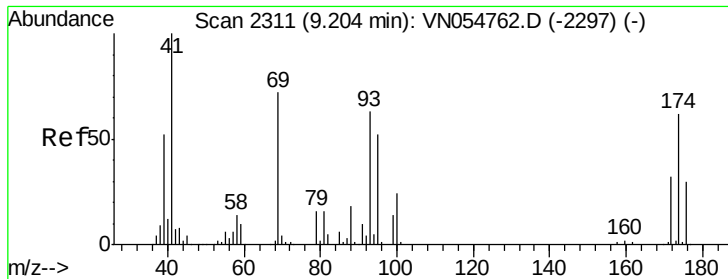
69 72.4 72.6 108.8#

39 55.4 47.5 71.3



Abundance Ion 41.00 (40.70 to 41.70): VN054853.D (-2217) (-)

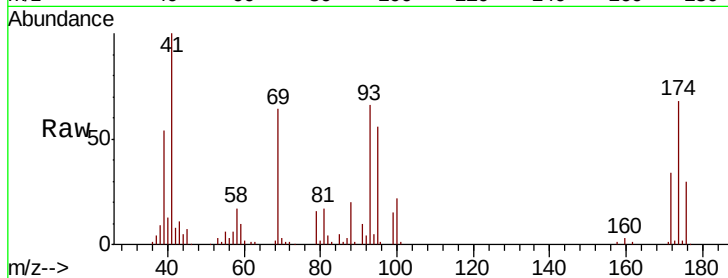




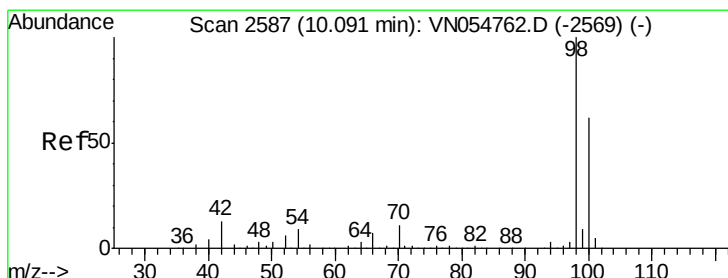
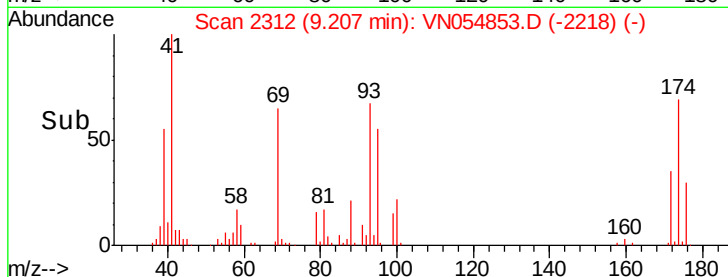
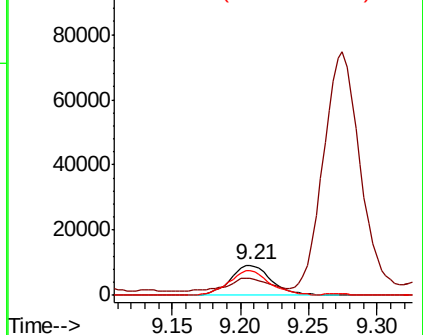
#49
1,4-Dioxane
Concen: 477.974 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN054853.D
Acq: 31 Mar 2019 16:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 19196
Ion Ratio Lower Upper
88 100
43 44.9 24.1 36.1#
58 82.3 50.8 76.2#

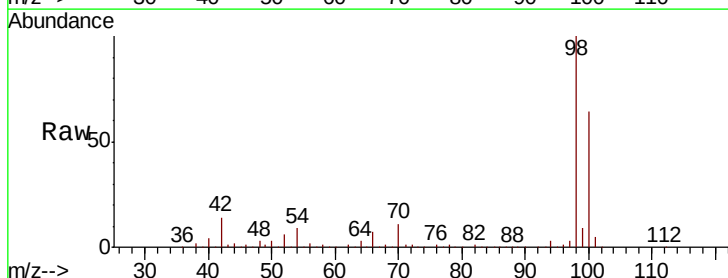


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

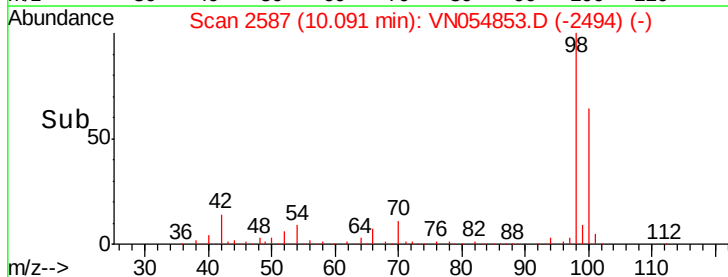
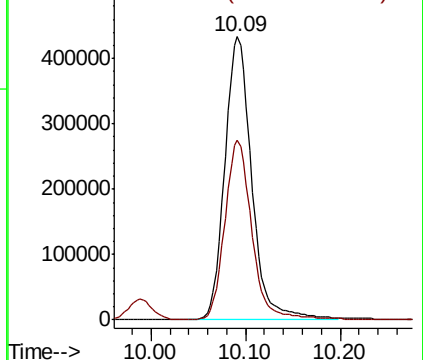


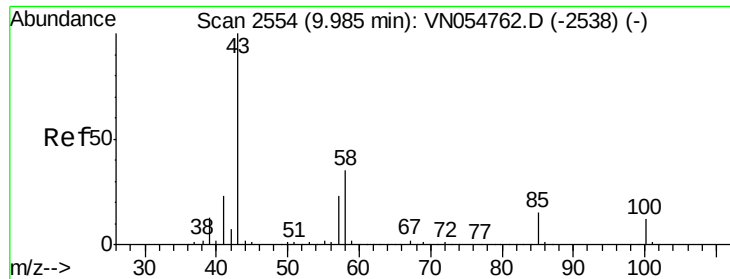
#50
Toluene-d8
Concen: 51.664 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054853.D
Acq: 31 Mar 2019 16:25

Tgt Ion: 98 Resp: 861185
Ion Ratio Lower Upper
98 100
100 63.4 51.2 76.8



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





#51

4-Methyl-2-Pentanone

Concen: 116.347 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054853.D

Acq: 31 Mar 2019 16:25

Instrument :

MSVOA_N

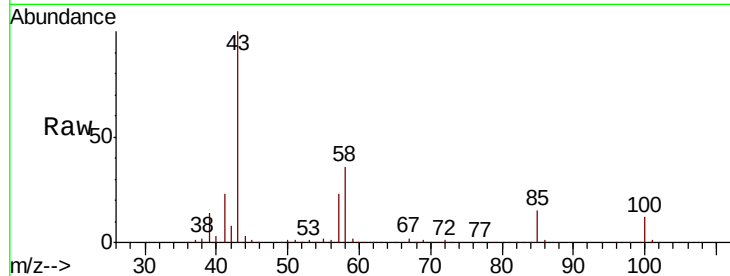
ClientSampleId :

Tot Ion: 43 Resp: 488432

Ion Ratio Lower Upper

43 100

58 35.1 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

250000

200000

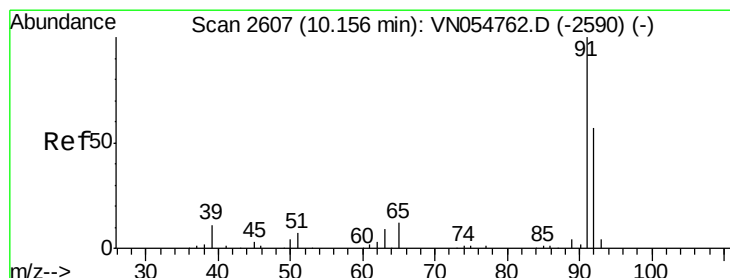
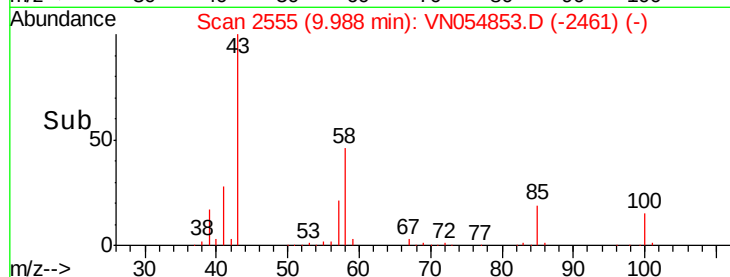
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.215 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054853.D

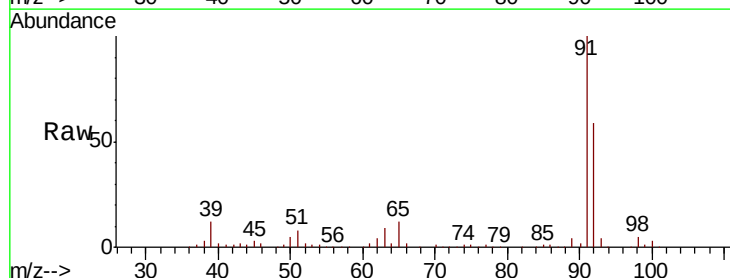
Acq: 31 Mar 2019 16:25

Tgt Ion: 92 Resp: 226360

Ion Ratio Lower Upper

92 100

91 171.2 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

200000

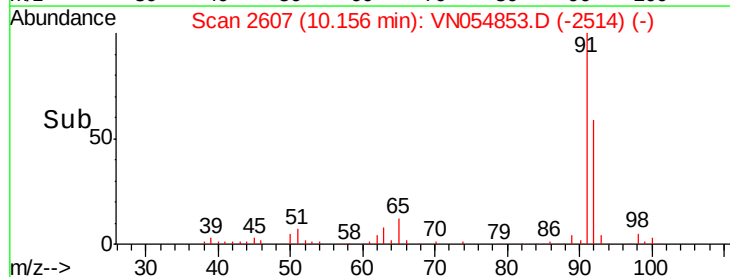
150000

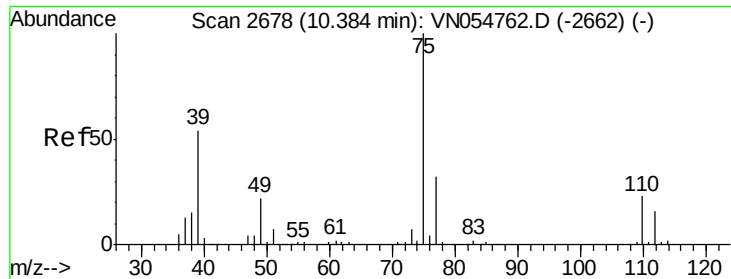
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.060 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN054853.D

Acq: 31 Mar 2019 16:25

Instrument :

MSVOA_N

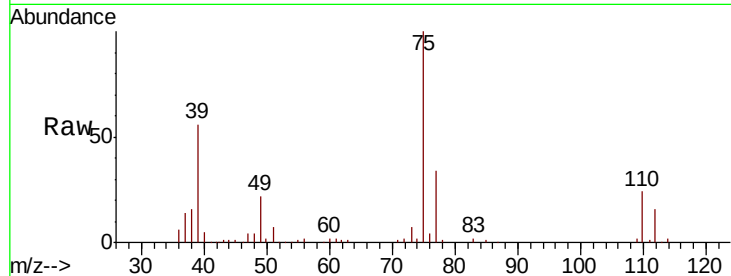
ClientSampleId :

Tot Ion: 75 Resp: 112797

Ion Ratio Lower Upper

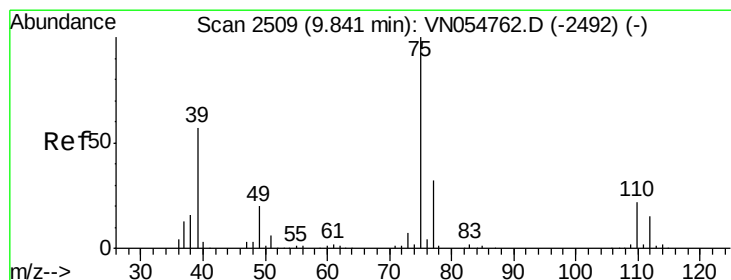
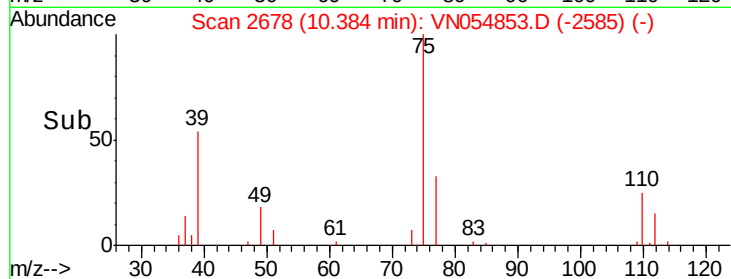
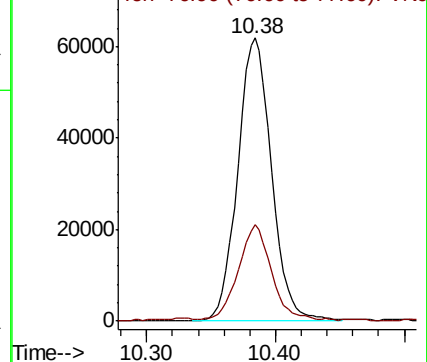
75 100

77 33.5 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.760 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054853.D

Acq: 31 Mar 2019 16:25

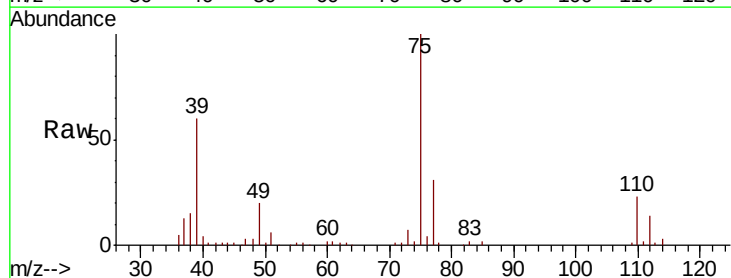
Tgt Ion: 75 Resp: 139439

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.0

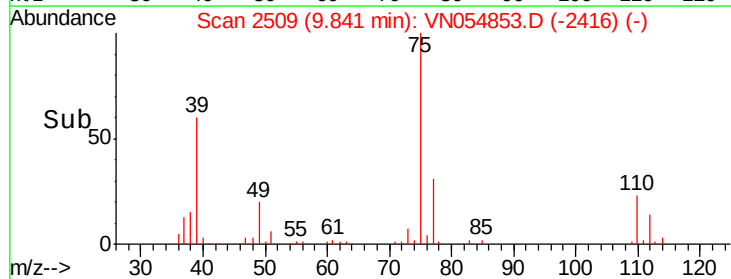
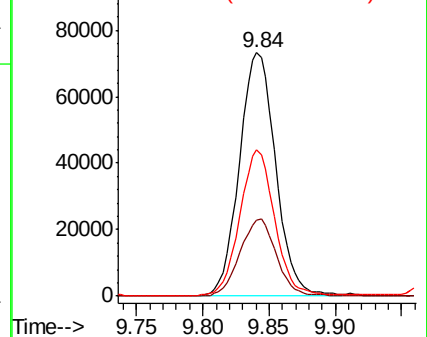
39 59.7 37.2 55.8#

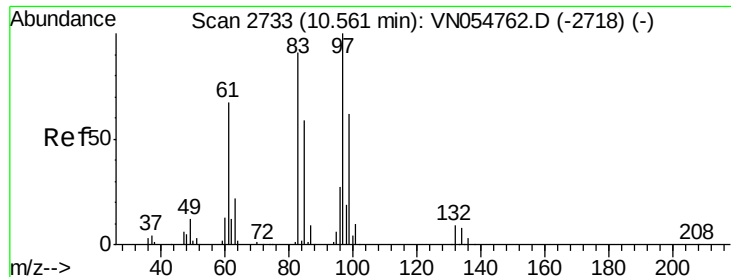


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

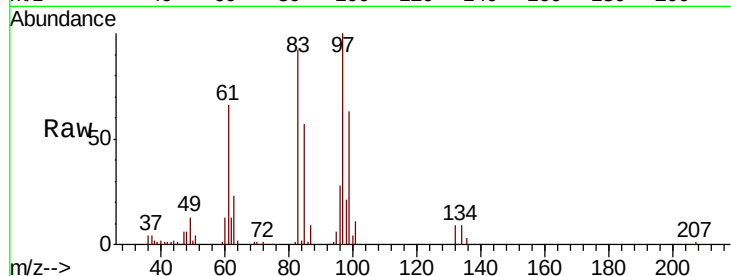




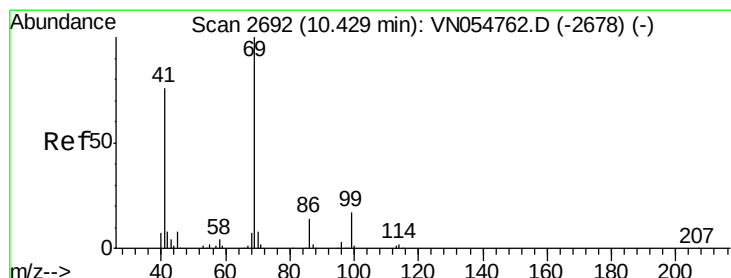
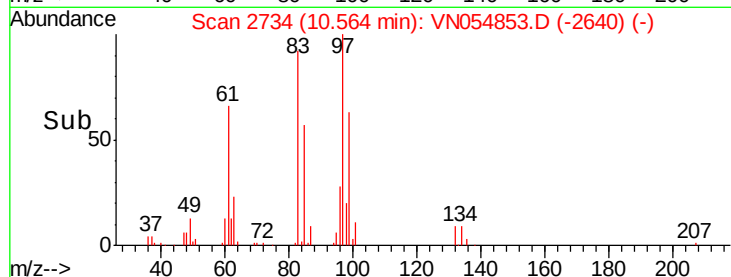
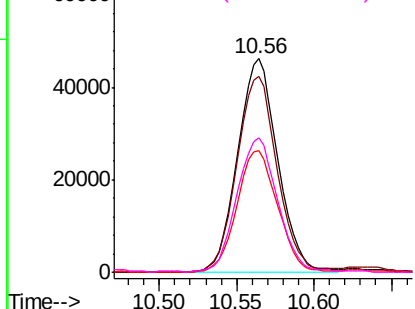
#55
 1,1,2-Trichloroethane
 Concen: 20.929 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054853.D
 Acq: 31 Mar 2019 16:25

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	83034
Ion	Ratio	Lower	Upper
97	100		
83	92.0	66.6	100.0
85	56.7	44.4	66.6
99	62.8	50.8	76.2

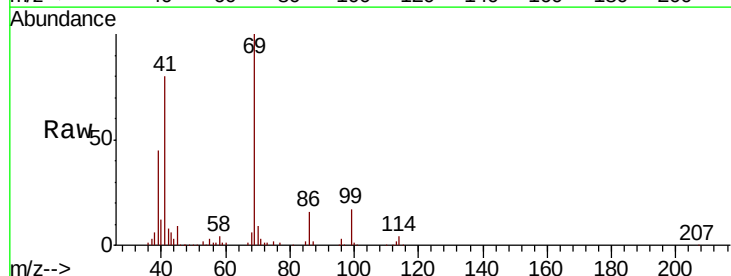


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

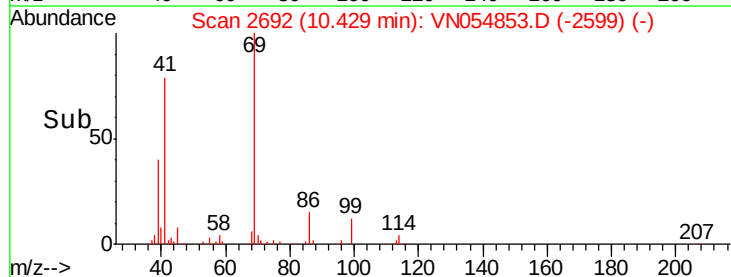
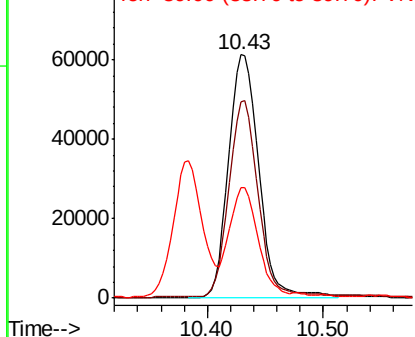


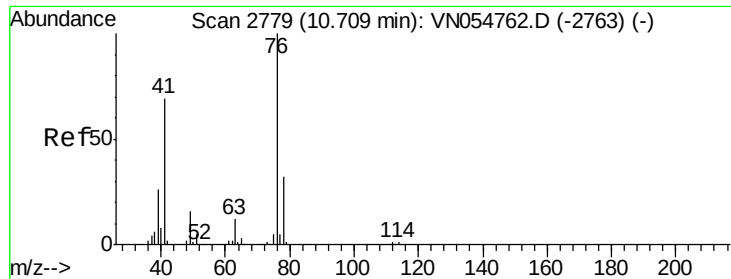
#56
 Ethyl methacrylate
 Concen: 21.393 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054853.D
 Acq: 31 Mar 2019 16:25

Tgt Ion:	69	Resp:	111335
Ion	Ratio	Lower	Upper
69	100		
41	77.4	49.4	74.2#
39	41.8	28.3	42.5



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: 21.607 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN054853.D

Acq: 31 Mar 2019 16:25

Instrument :

MSVOA_N

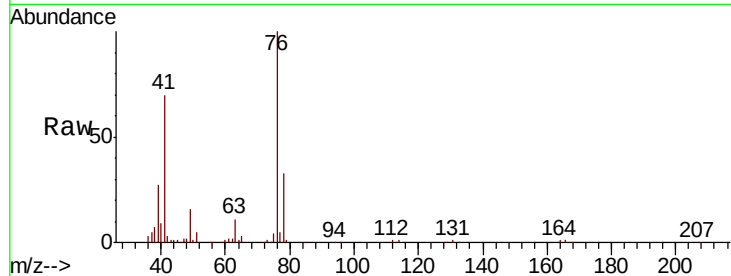
ClientSampled :

Tot Ion: 76 Resp: 147376

Ion Ratio Lower Upper

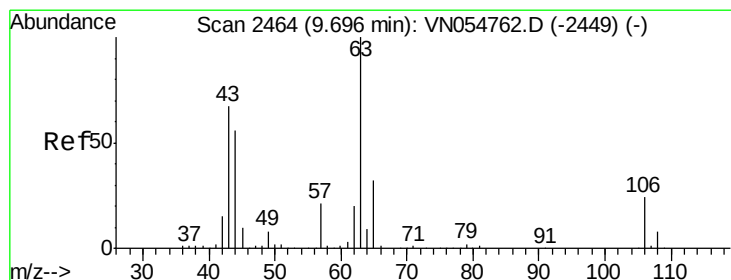
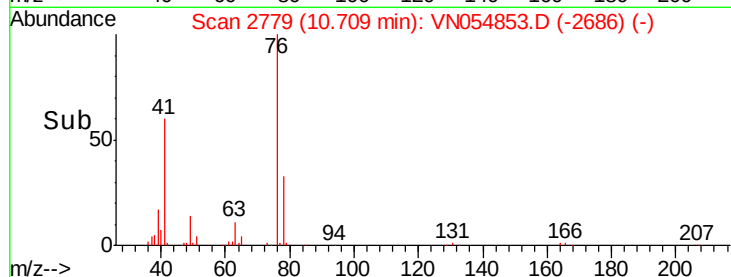
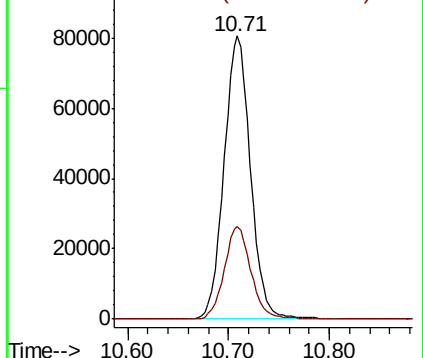
76 100

78 33.1 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 100.909 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054853.D

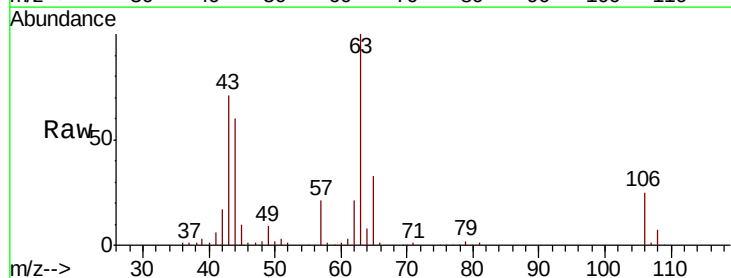
Acq: 31 Mar 2019 16:25

Tgt Ion: 63 Resp: 211779

Ion Ratio Lower Upper

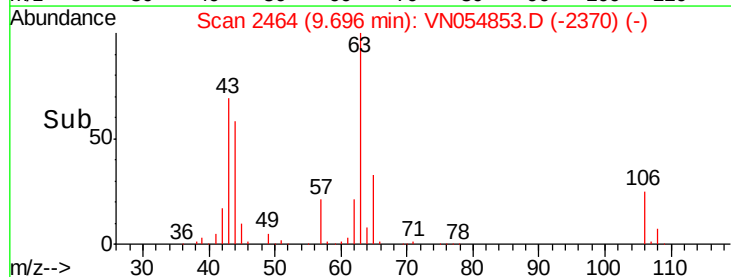
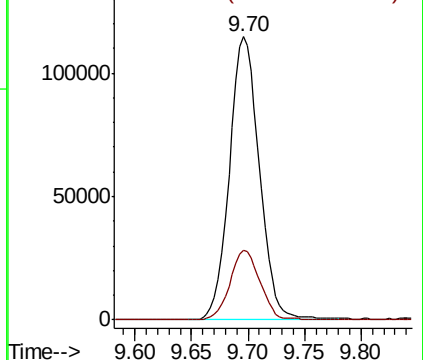
63 100

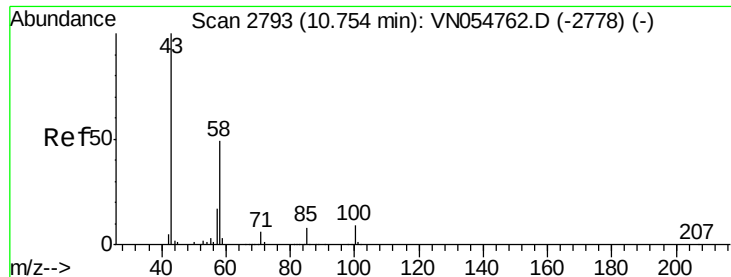
106 24.7 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

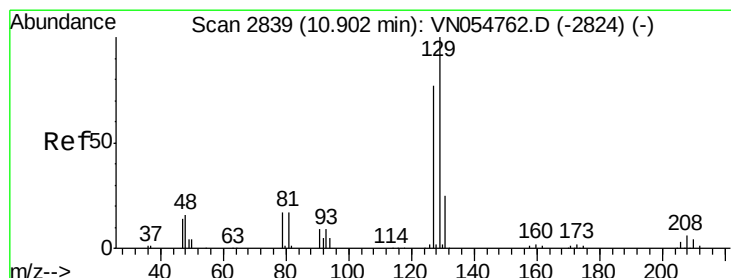
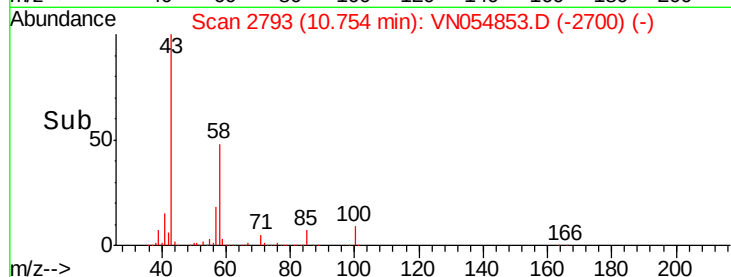
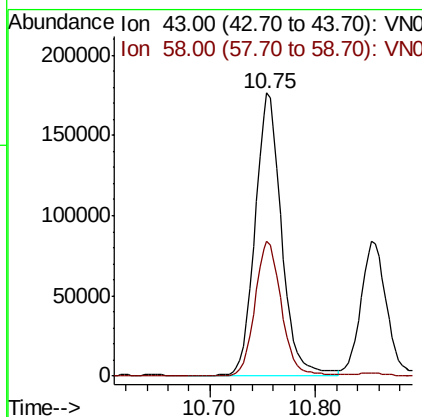
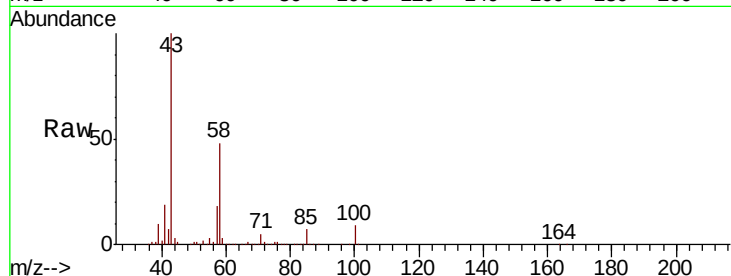




#59
2-Hexanone
Concen: 114.119 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054853.D
Acq: 31 Mar 2019 16:25

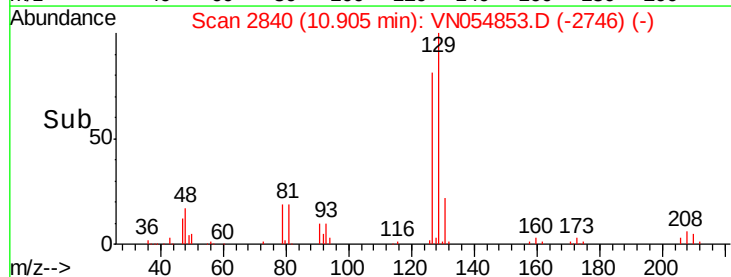
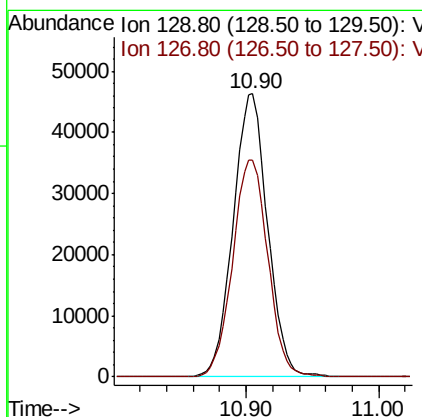
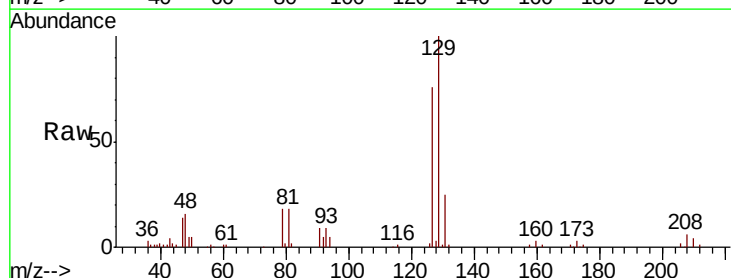
Instrument :
MSVOA_N
ClientSampleId :

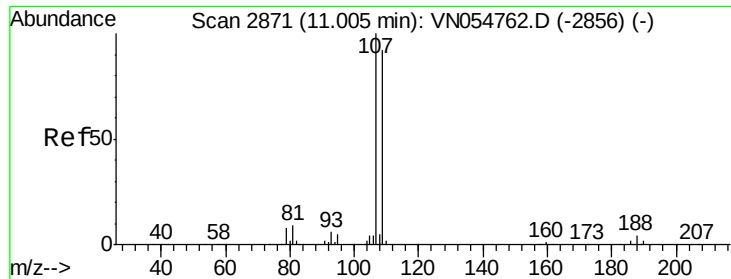
Tot Ion: 43 Resp: 306687
Ion Ratio Lower Upper
43 100
58 48.1 28.0 83.9



#60
Dibromochloromethane
Concen: 20.790 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN054853.D
Acq: 31 Mar 2019 16:25

Tgt Ion:129 Resp: 83550
Ion Ratio Lower Upper
129 100
127 78.3 38.6 115.8

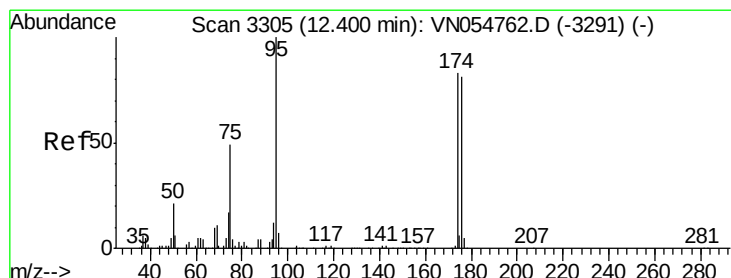
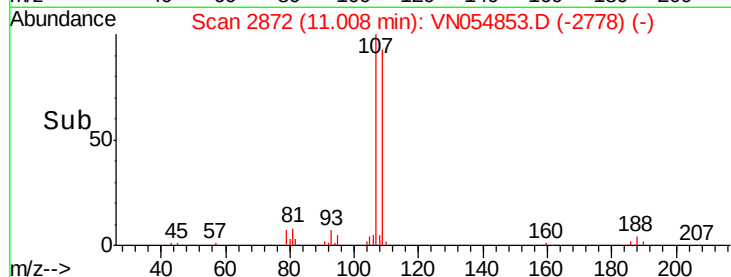
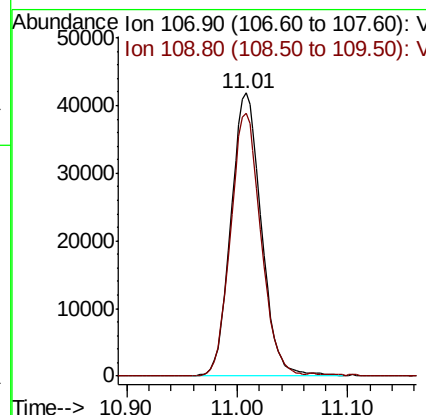
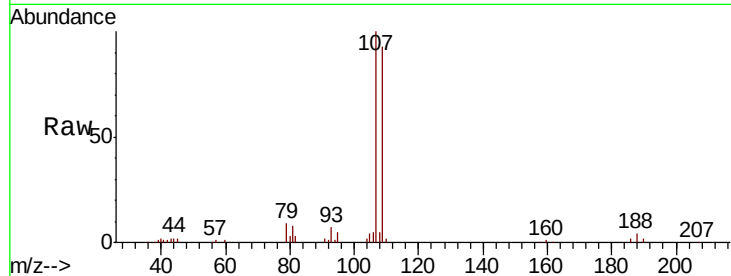




#61
 1,2-Dibromoethane
 Concen: 21.131 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054853.D
 Acq: 31 Mar 2019 16:25

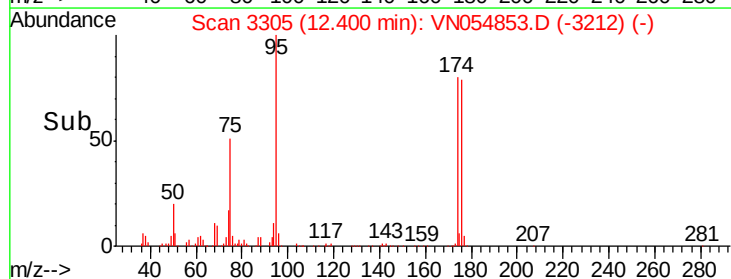
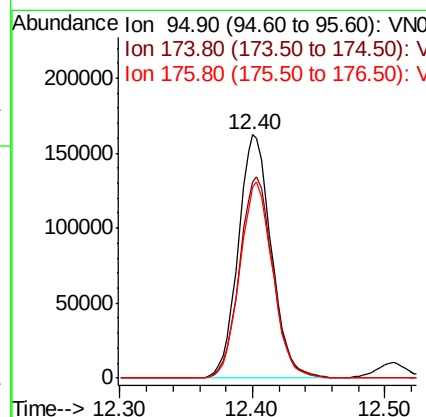
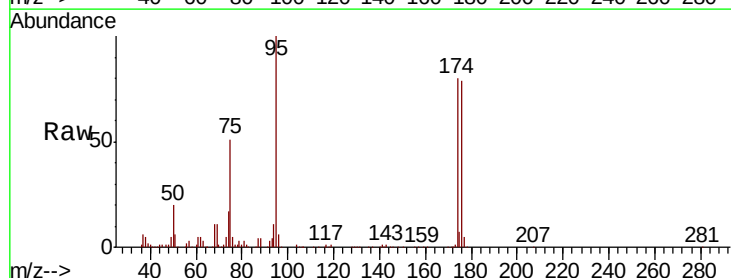
Instrument :
 MSVOA_N
 ClientSampleId :

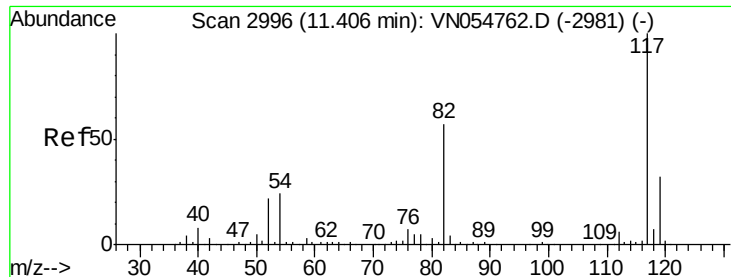
Tot Ion: 107 Resp: 80115
 Ion Ratio Lower Upper
 107 100
 109 92.6 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 50.691 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054853.D
 Acq: 31 Mar 2019 16:25

Tgt Ion: 95 Resp: 281016
 Ion Ratio Lower Upper
 95 100
 174 83.5 0.0 191.0
 176 80.4 0.0 187.4

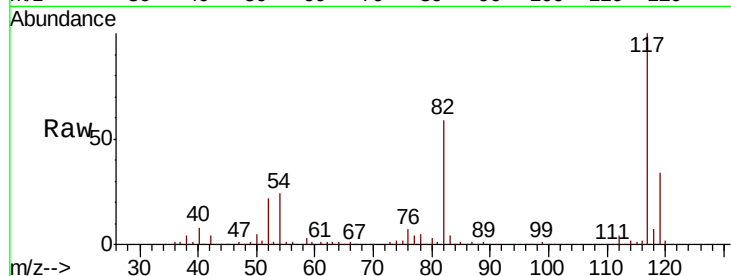




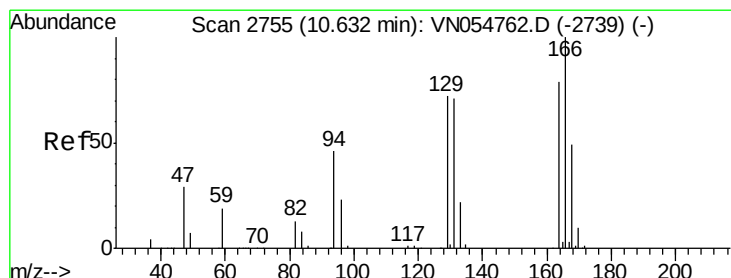
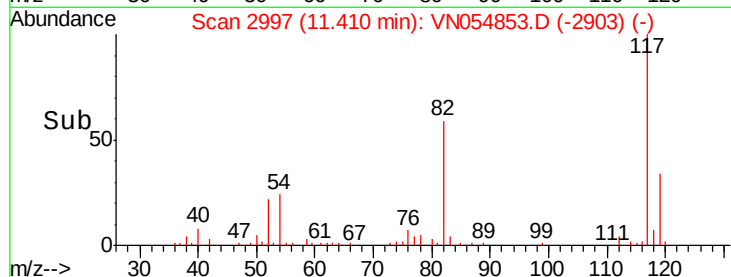
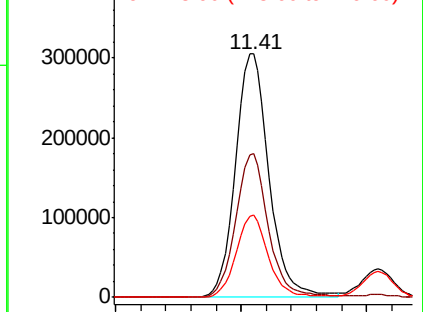
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054853.D
Acq: 31 Mar 2019 16:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 566367
Ion Ratio Lower Upper
117 100
82 59.0 40.0 60.0
119 34.1 25.8 38.6

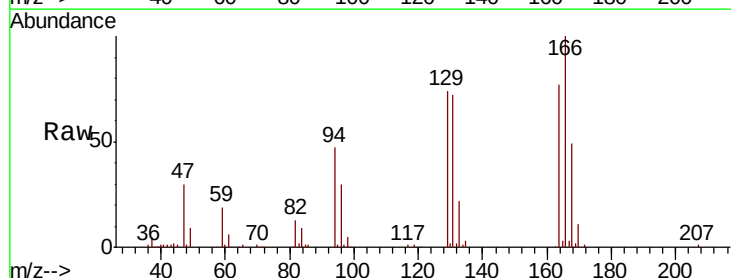


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

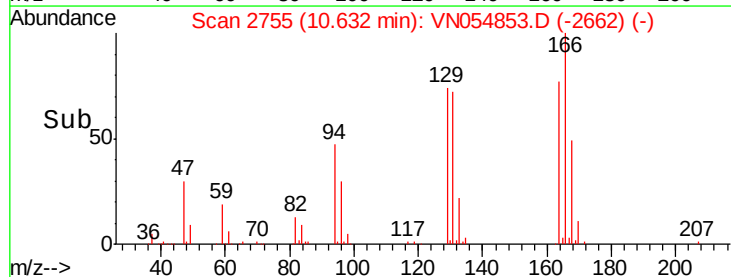
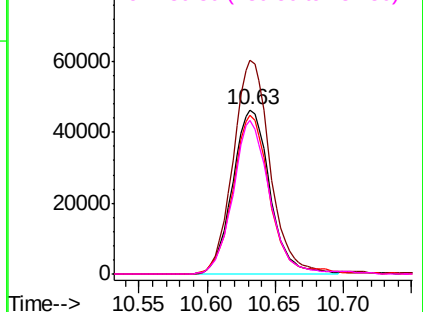


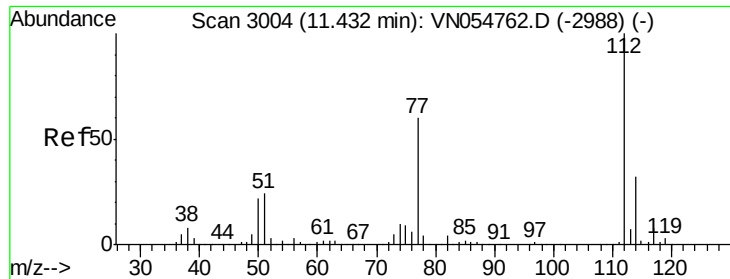
#64
Tetrachloroethene
Concen: 20.277 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054853.D
Acq: 31 Mar 2019 16:25

Tgt Ion:164 Resp: 88128
Ion Ratio Lower Upper
164 100
166 130.2 103.9 155.9
129 96.7 71.1 106.7
131 93.8 68.2 102.4



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: 20.578 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN054853.D

Acq: 31 Mar 2019 16:25

Instrument :

MSVOA_N

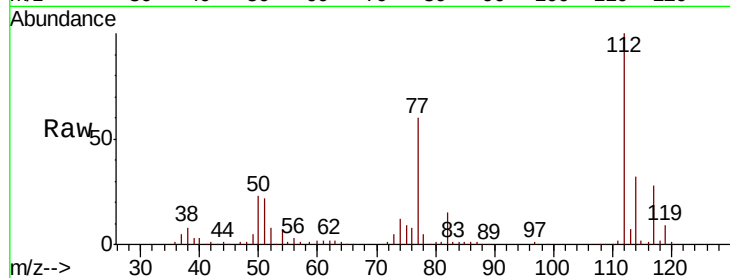
ClientSampled :

Tot Ion:112 Resp: 228189

Ion Ratio Lower Upper

112 100

114 31.6 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

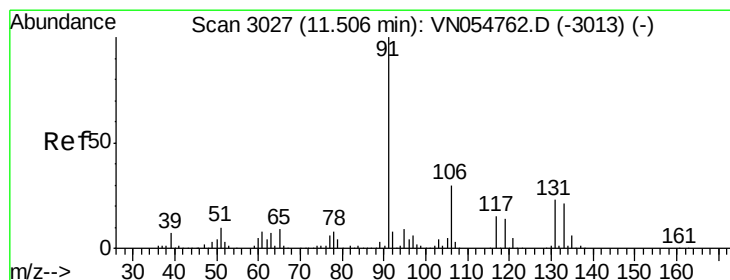
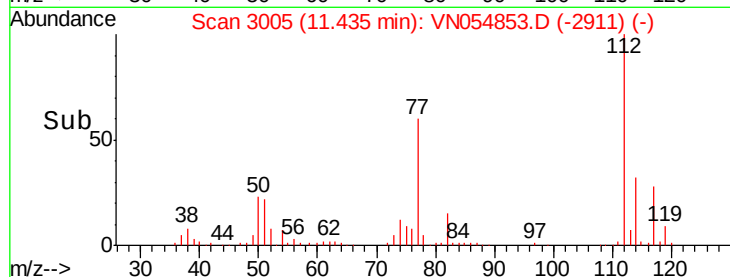
11.44

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.786 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054853.D

Acq: 31 Mar 2019 16:25

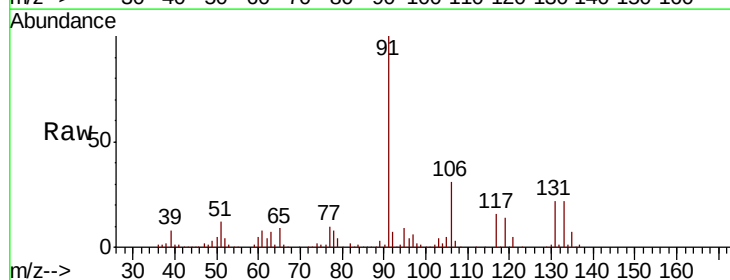
Tgt Ion:131 Resp: 86273

Ion Ratio Lower Upper

131 100

133 98.1 47.6 142.9

119 66.7 32.4 97.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

120000

100000

80000

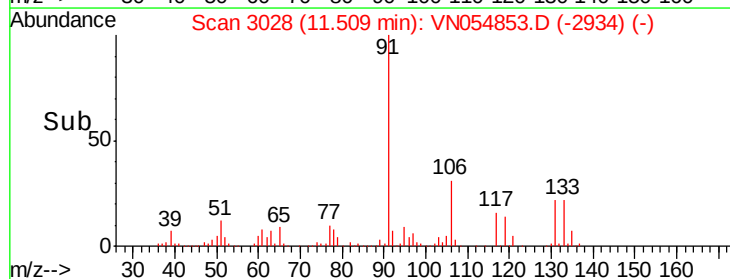
60000

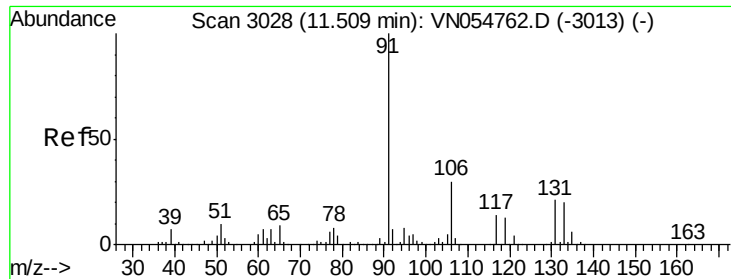
40000

20000

0

Time-->

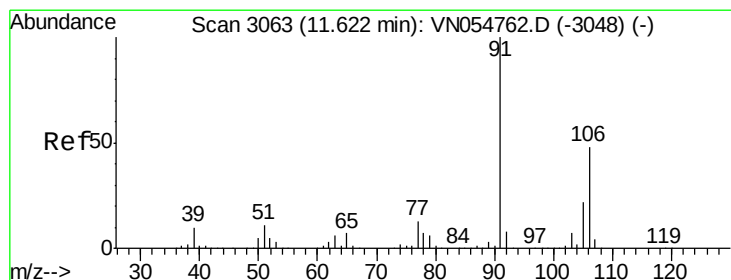
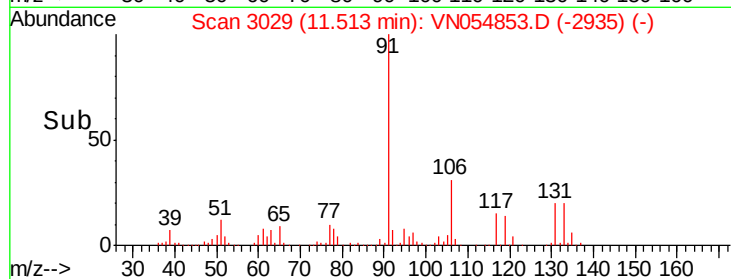
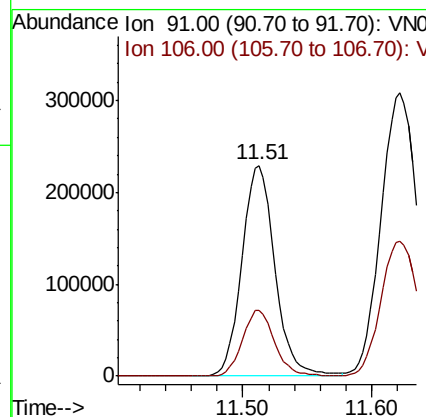
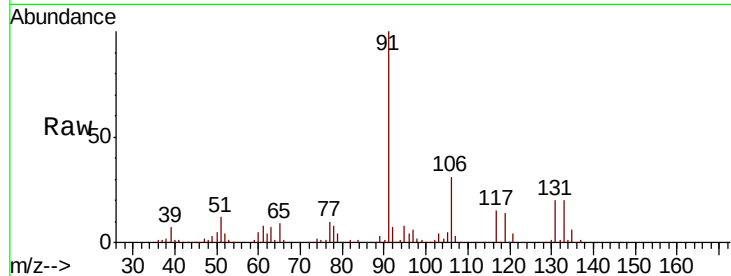




#67
Ethyl Benzene
Concen: 20.425 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054853.D
Acq: 31 Mar 2019 16:25

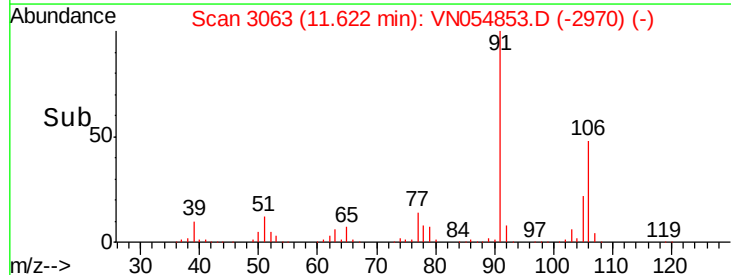
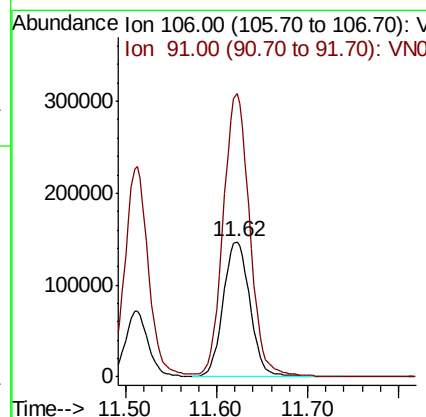
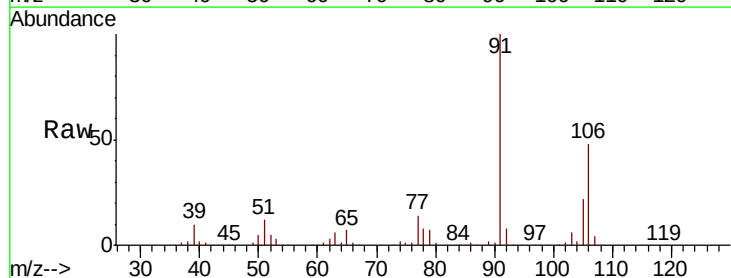
Instrument :
MSVOA_N
ClientSampled :

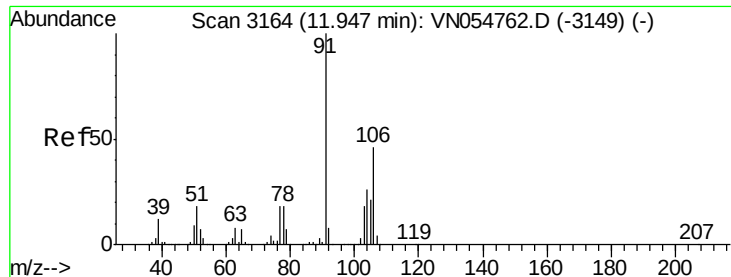
Tot Ion: 91 Resp: 408706
Ion Ratio Lower Upper
91 100
106 31.4 25.5 38.3



#68
m/p-Xylenes
Concen: 40.829 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054853.D
Acq: 31 Mar 2019 16:25

Tgt Ion: 106 Resp: 302341
Ion Ratio Lower Upper
106 100
91 207.1 159.4 239.2





#69

o-Xylene

Concen: 20.080 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN054853.D

Acq: 31 Mar 2019 16:25

Instrument :

MSVOA_N

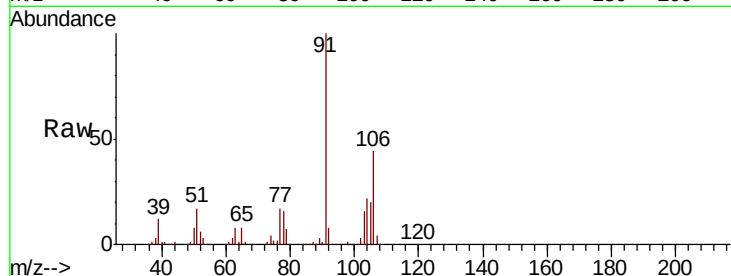
ClientSampled :

Tot Ion:106 Resp: 145808

Ion Ratio Lower Upper

106 100

91 225.1 105.7 317.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

200000

150000

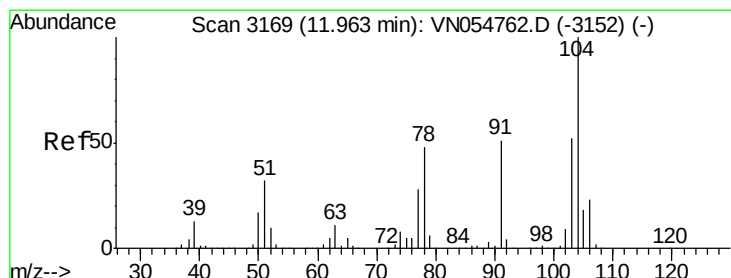
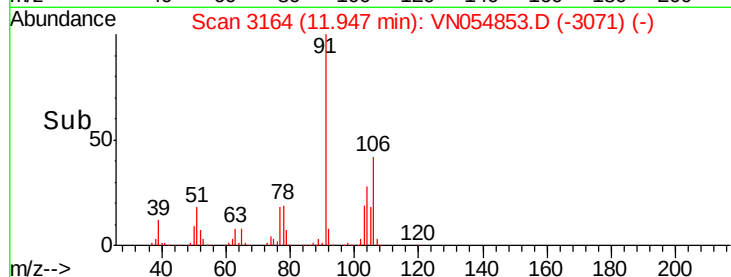
100000

50000

0

11.95

Time-->



#70

Styrene

Concen: 20.832 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN054853.D

Acq: 31 Mar 2019 16:25

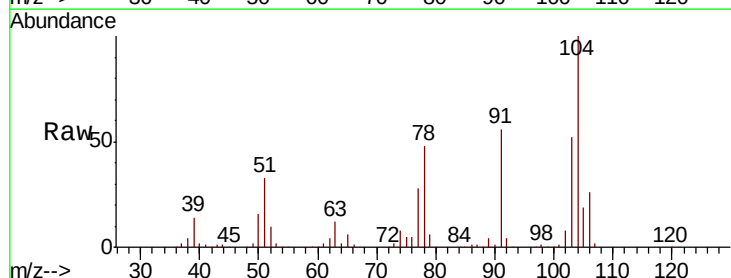
Tgt Ion:104 Resp: 241863

Ion Ratio Lower Upper

104 100

78 52.3 38.2 57.2

103 56.5 44.4 66.6



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

150000

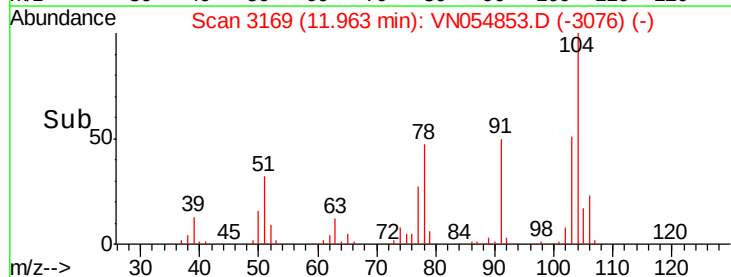
100000

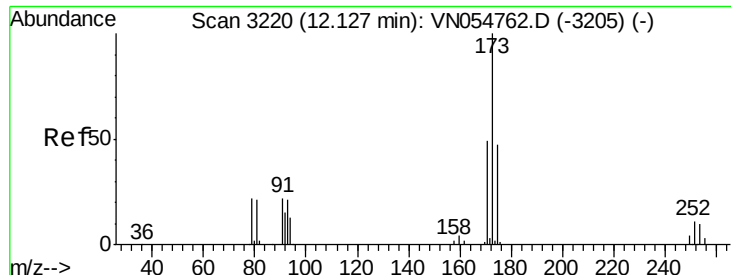
50000

0

11.96

Time-->





#71

Bromoform

Concen: 21.216 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054853.D

Acq: 31 Mar 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

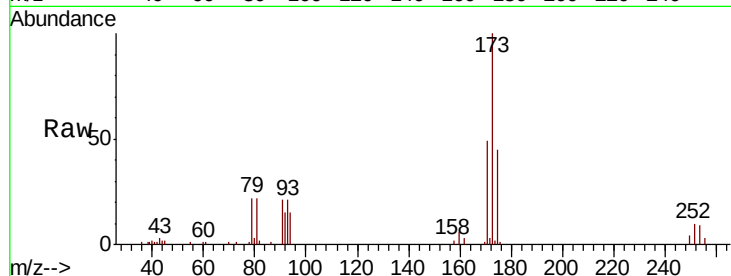
Tot Ion:173 Resp: 51588

Ion Ratio Lower Upper

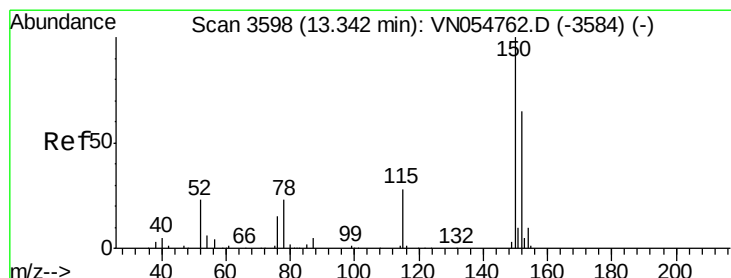
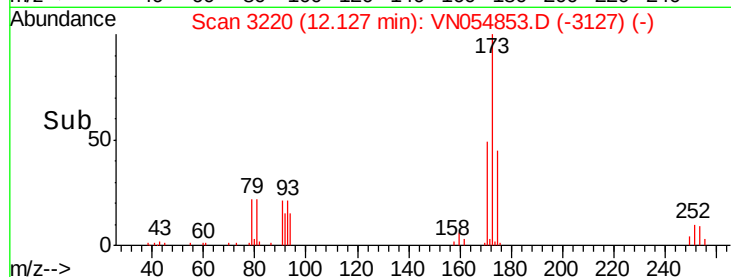
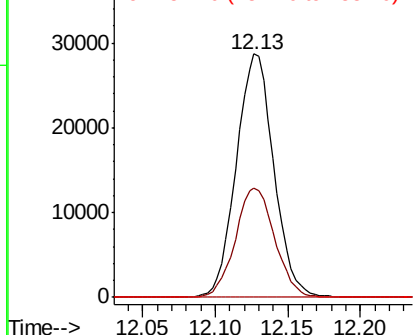
173 100

175 47.0 24.4 73.2

254 0.0 0.1 0.1#



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: VN054853.D

Acq: 31 Mar 2019 16:25

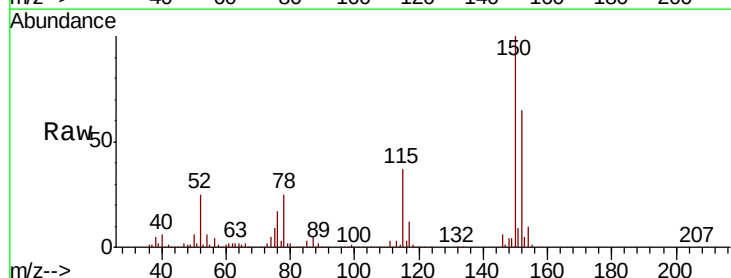
Tgt Ion:152 Resp: 236007

Ion Ratio Lower Upper

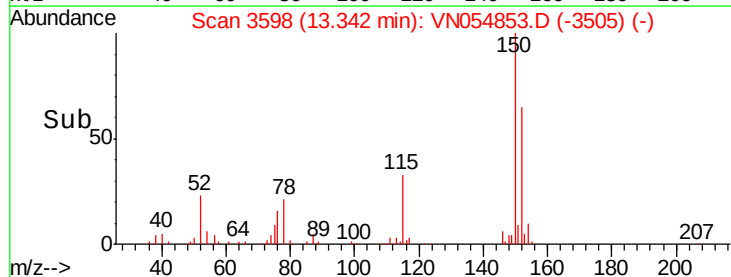
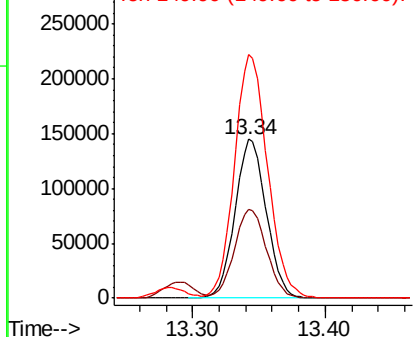
152 100

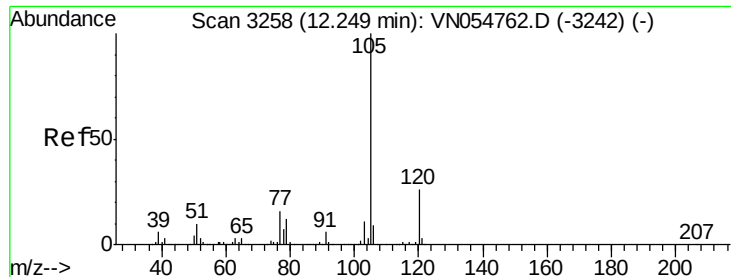
115 57.9 27.2 81.6

150 163.2 0.0 349.2



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





#73

Isopropylbenzene

Concen: 20.458 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054853.D

Acq: 31 Mar 2019 16:25

Instrument :

MSVOA_N

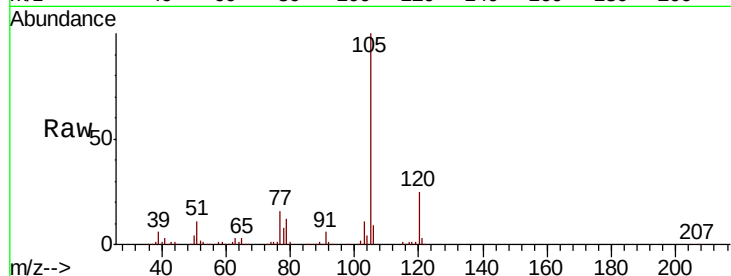
ClientSampled :

Tot Ion:105 Resp: 394631

Ion Ratio Lower Upper

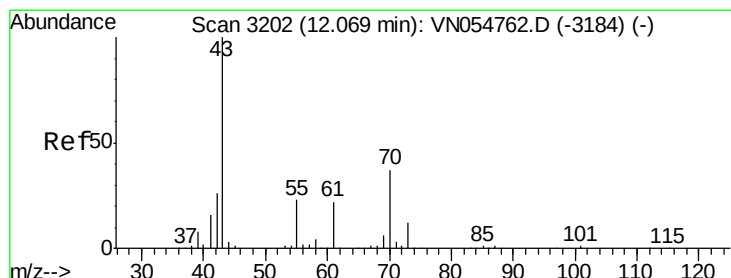
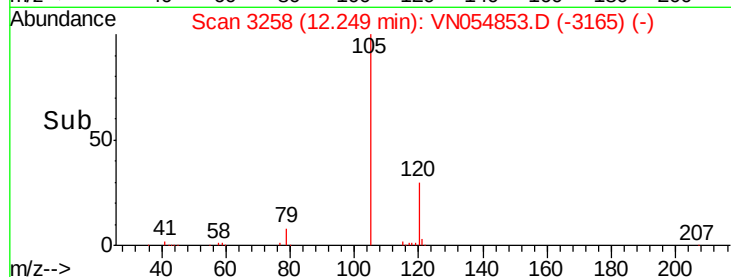
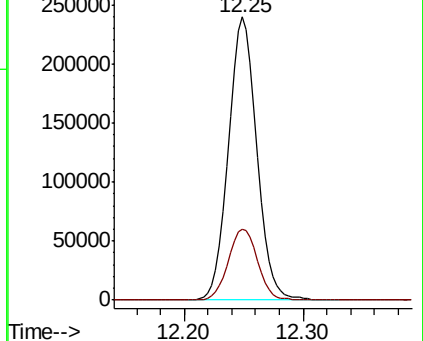
105 100

120 26.1 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.505 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054853.D

Acq: 31 Mar 2019 16:25

Tgt Ion: 43 Resp: 129241

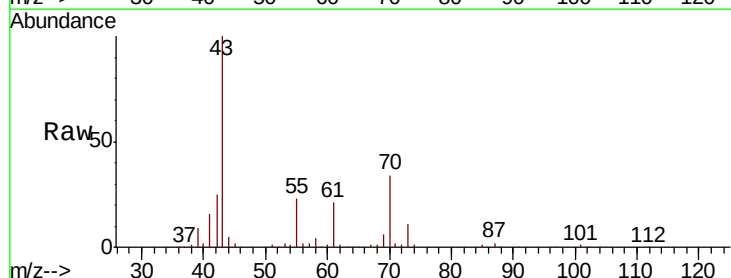
Ion Ratio Lower Upper

43 100

70 35.7 35.4 53.0

55 23.6 19.8 29.6

61 21.3 19.8 29.6

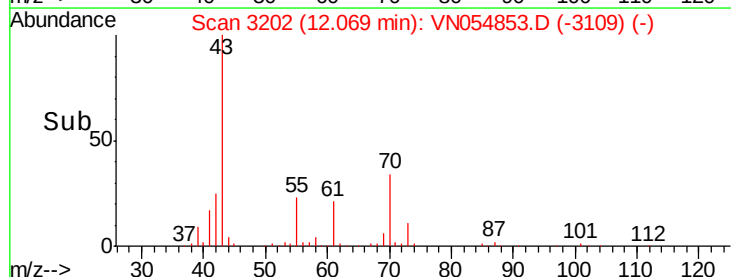
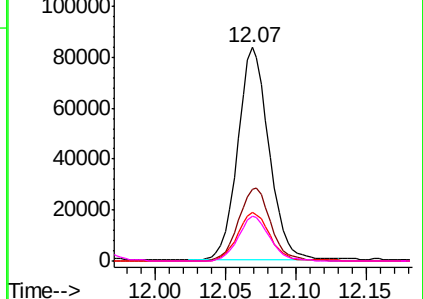


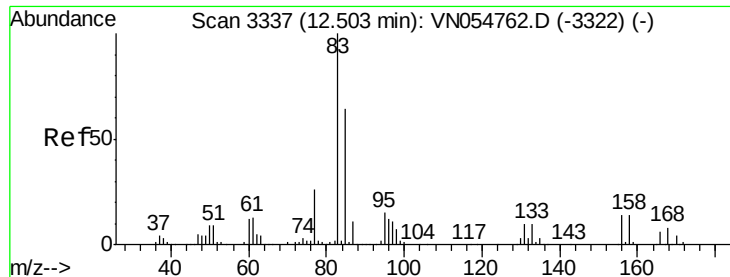
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 24.053 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054853.D

Acq: 31 Mar 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

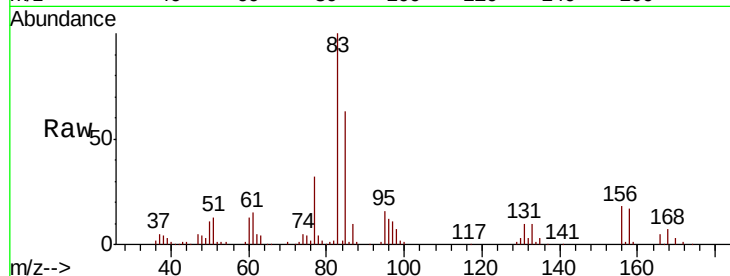
Tot Ion: 83 Resp: 106065

Ion Ratio Lower Upper

83 100

131 9.8 5.8 17.4

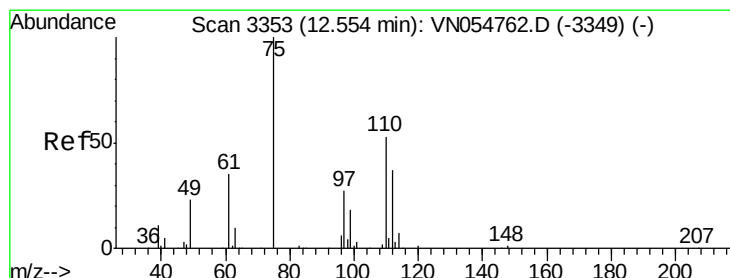
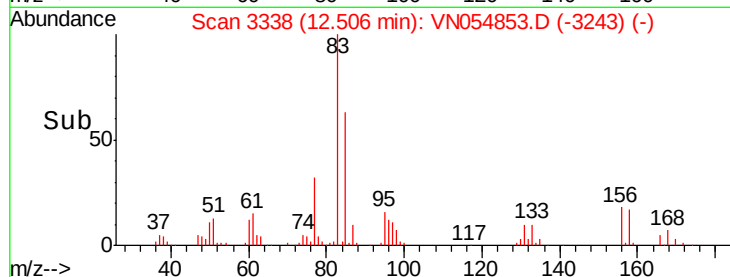
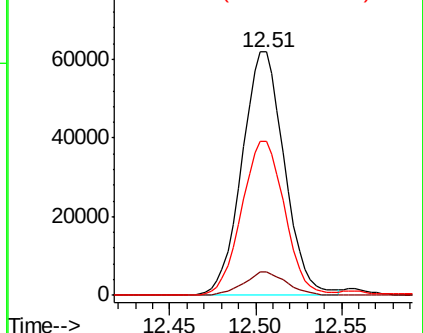
85 64.1 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN054762.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN054762.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN054762.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 29.942 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054853.D

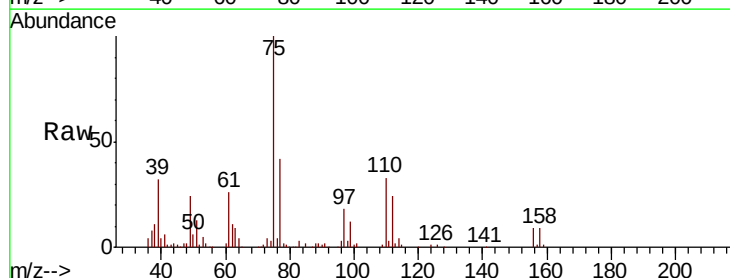
Acq: 31 Mar 2019 16:25

Tgt Ion: 75 Resp: 122762

Ion Ratio Lower Upper

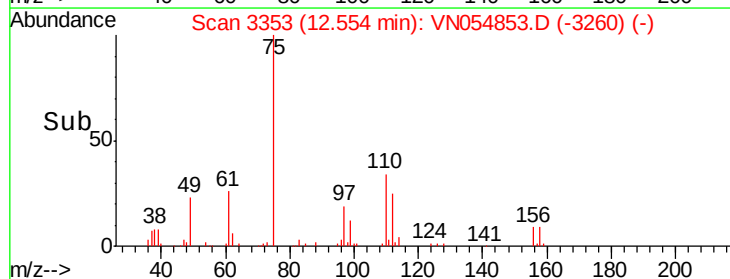
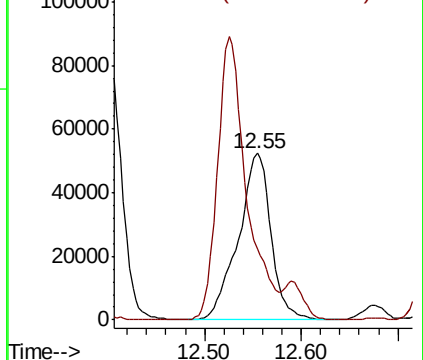
75 100

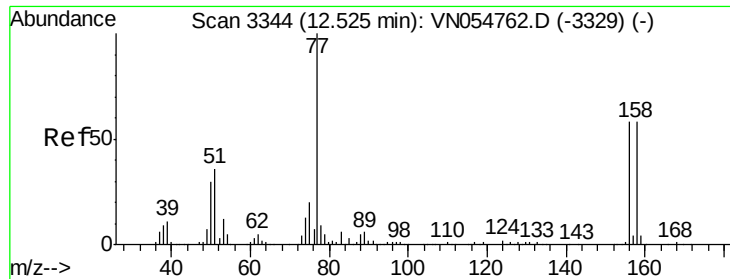
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054762.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN054762.D (-3349) (-)





#77

Bromobenzene

Concen: 20.473 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN054853.D

Acq: 31 Mar 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

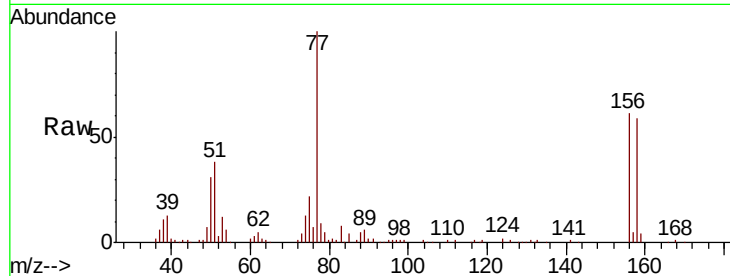
Tot Ion:156 Resp: 95313

Ion Ratio Lower Upper

156 100

77 195.0 81.5 244.4

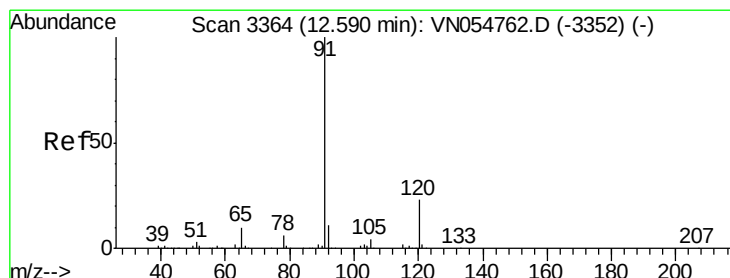
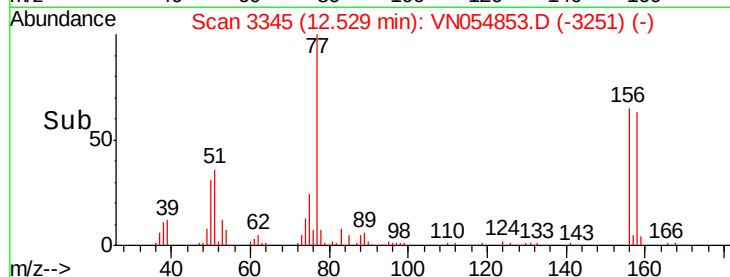
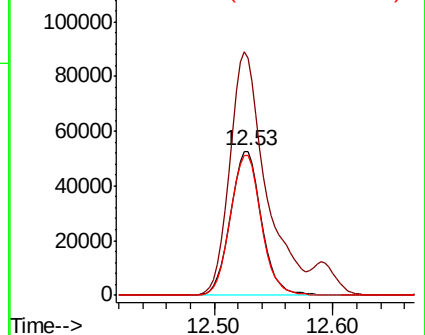
158 97.1 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.227 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054853.D

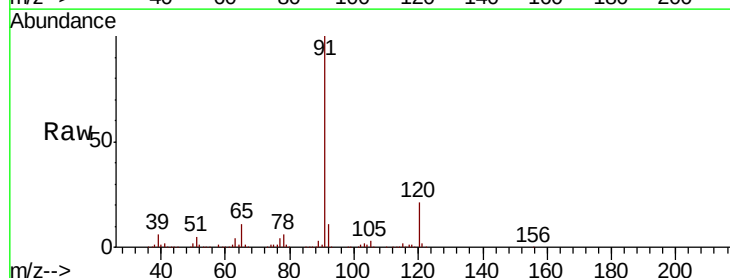
Acq: 31 Mar 2019 16:25

Tgt Ion: 91 Resp: 428861

Ion Ratio Lower Upper

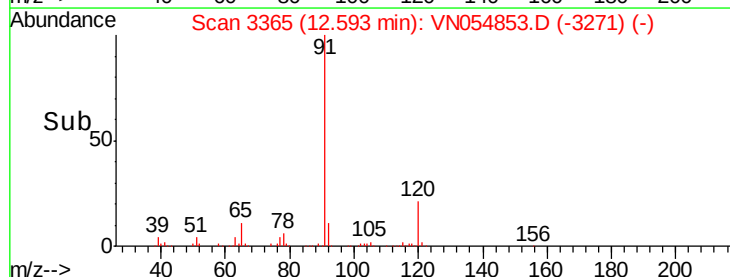
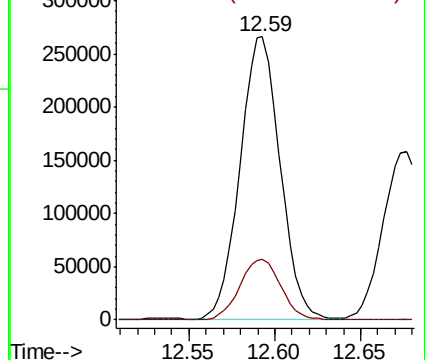
91 100

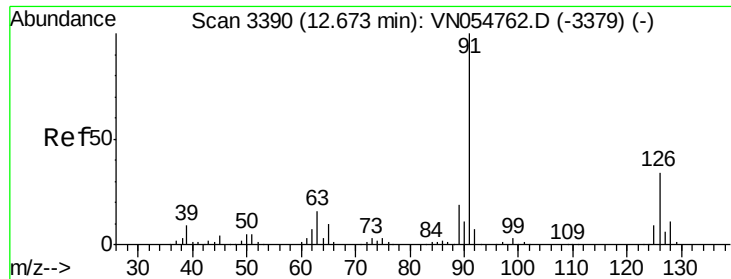
120 22.1 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

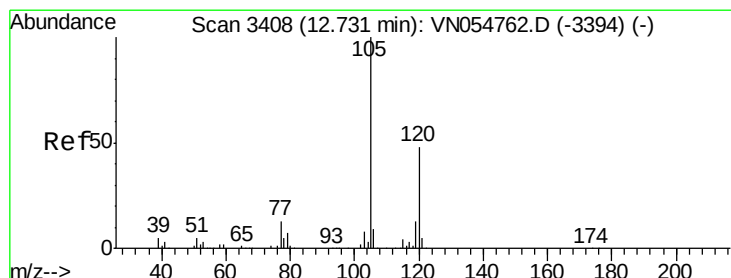
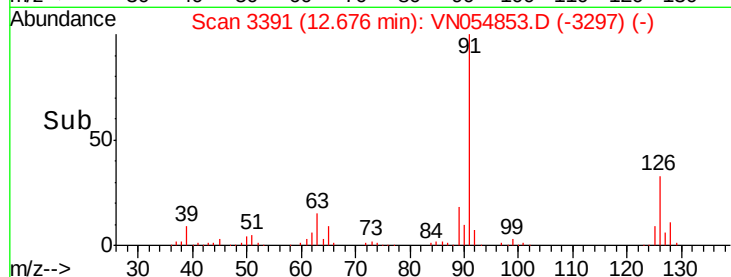
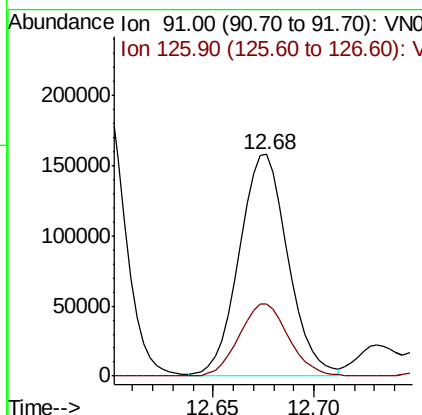
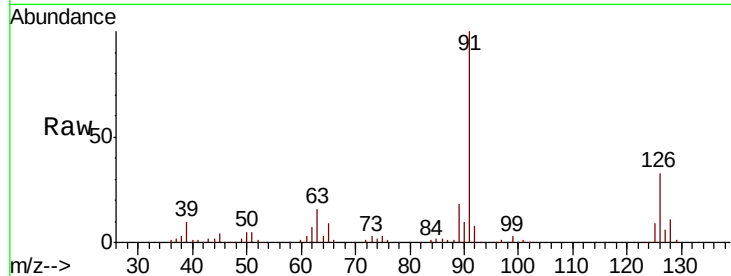




#79
 2-Chlorotoluene
 Concen: 20.326 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN054853.D
 Acq: 31 Mar 2019 16:25

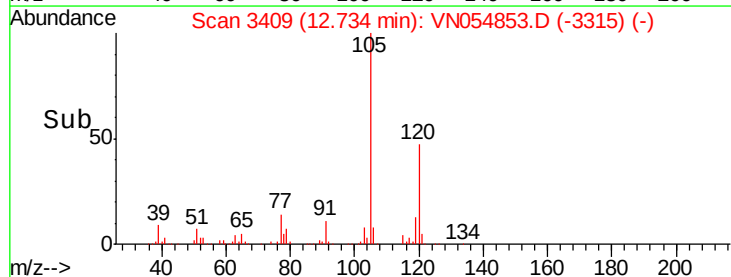
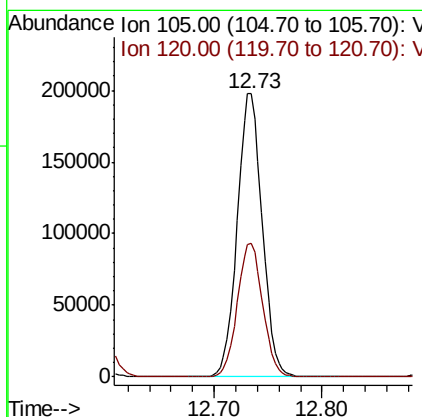
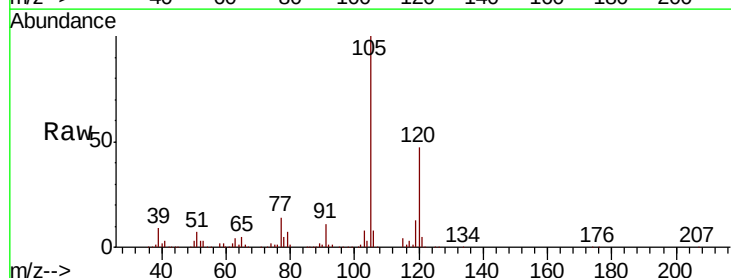
Instrument :
 MSVOA_N
 ClientSampled :

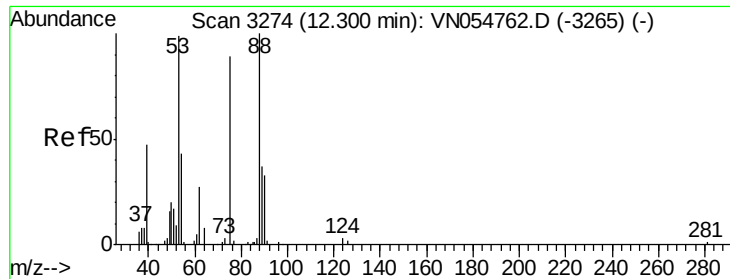
Tot Ion: 91 Resp: 266621
 Ion Ratio Lower Upper
 91 100
 126 33.3 18.7 56.1



#80
 1,3,5-Trimethylbenzene
 Concen: 20.149 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN054853.D
 Acq: 31 Mar 2019 16:25

Tgt Ion: 105 Resp: 318930
 Ion Ratio Lower Upper
 105 100
 120 47.7 25.0 75.0

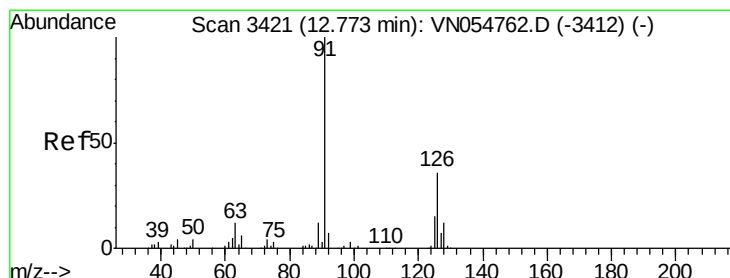
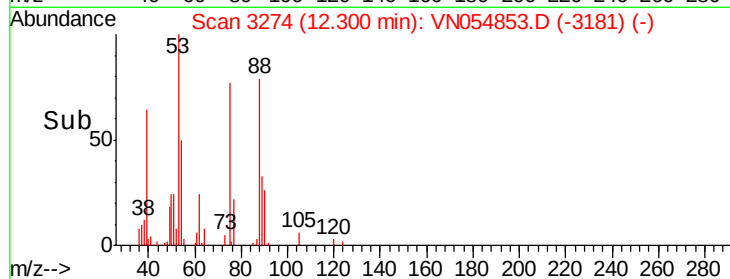
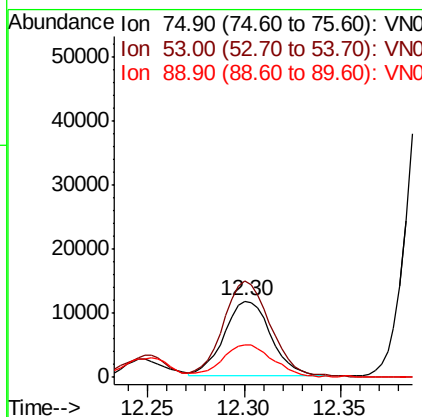
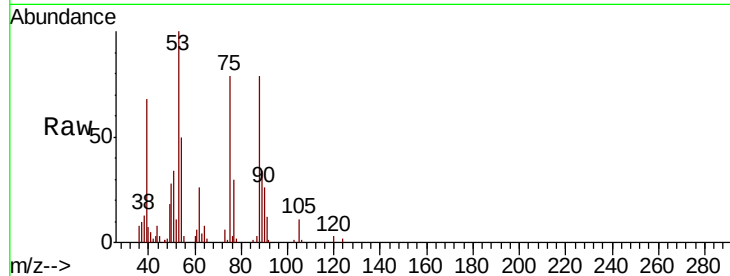




#81
trans-1,4-Dichloro-2-butene
Concen: 18.739 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN054853.D
Acq: 31 Mar 2019 16:25

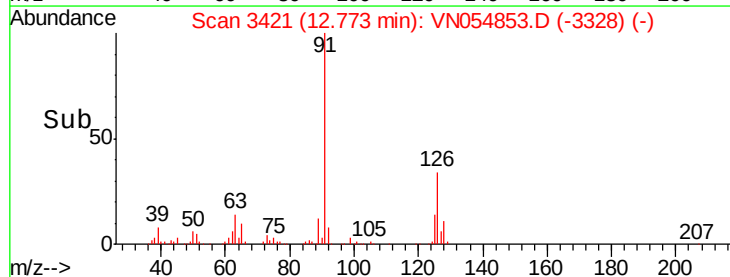
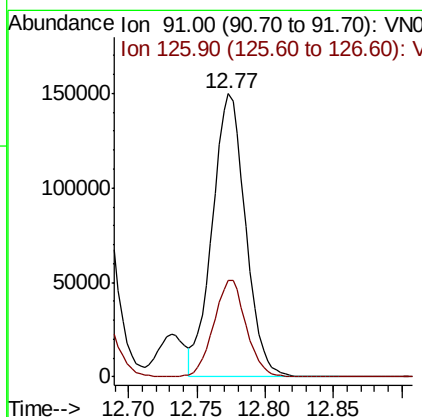
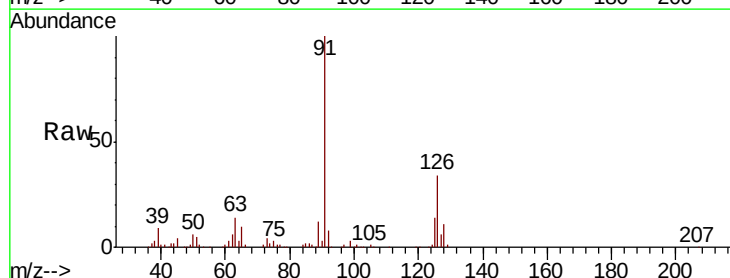
Instrument :
MSVOA_N
ClientSampled :

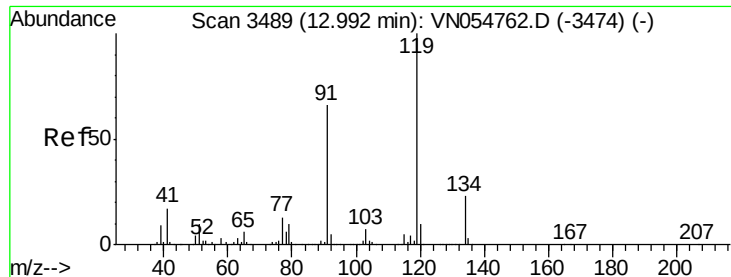
Tot Ion: 75 Resp: 19752
Ion Ratio Lower Upper
75 100
53 130.4 76.2 114.2#
89 47.3 39.2 58.8



#82
4-Chlorotoluene
Concen: 19.800 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054853.D
Acq: 31 Mar 2019 16:25

Tgt Ion: 91 Resp: 252260
Ion Ratio Lower Upper
91 100
126 33.7 18.1 54.1

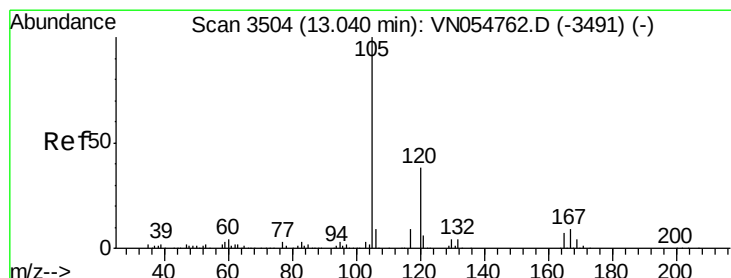
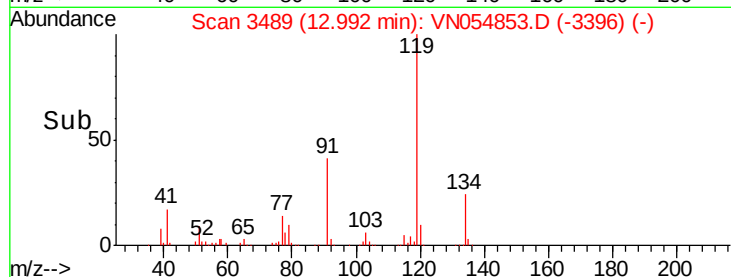
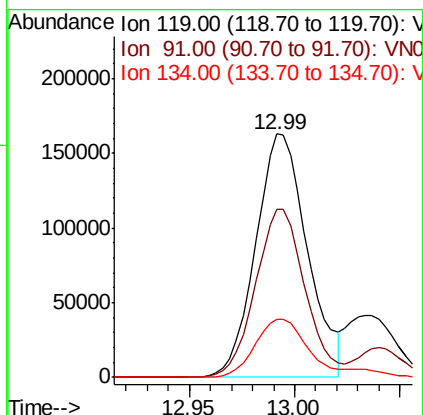
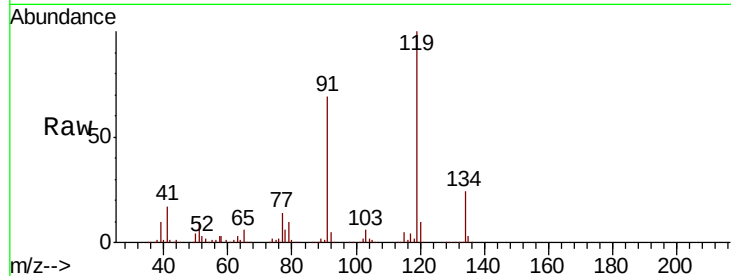




#83
tert-Butylbenzene
Concen: 21.481 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054853.D
Acq: 31 Mar 2019 16:25

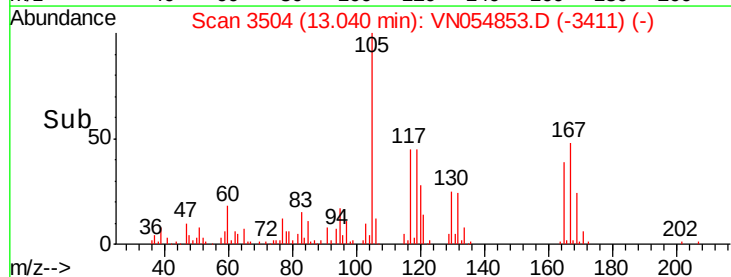
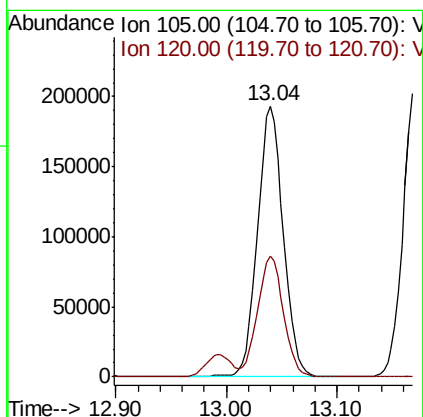
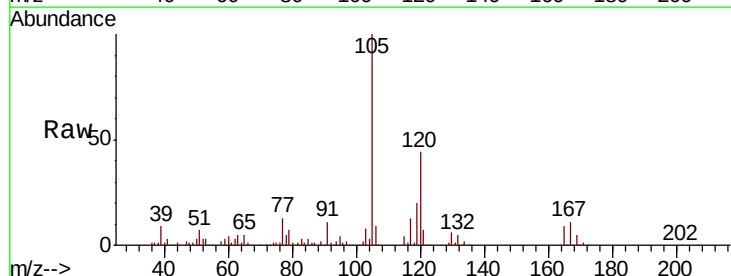
Instrument :
MSVOA_N
ClientSampled :

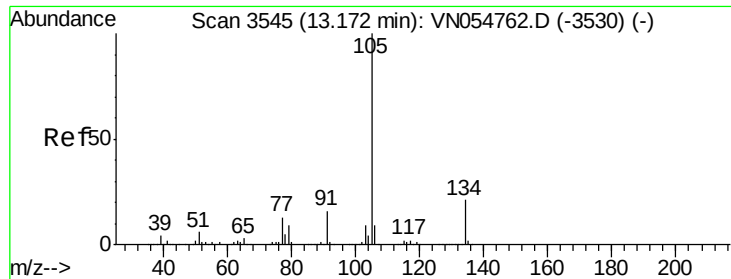
Tot Ion:119 Resp: 278047
Ion Ratio Lower Upper
119 100
91 66.4 30.9 92.8
134 26.4 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 20.684 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054853.D
Acq: 31 Mar 2019 16:25

Tgt Ion:105 Resp: 311904
Ion Ratio Lower Upper
105 100
120 44.8 23.4 70.3





#85

sec-Butylbenzene

Concen: 20.232 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054853.D

Acq: 31 Mar 2019 16:25

Instrument :

MSVOA_N

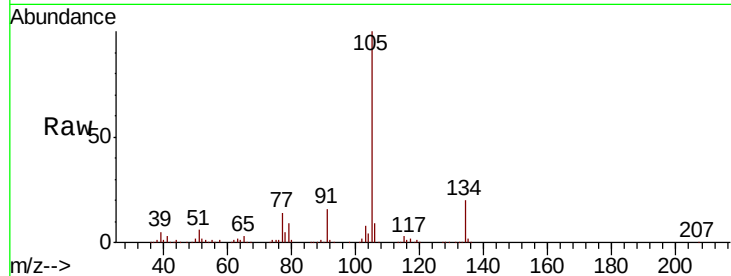
ClientSampleId :

Tot Ion:105 Resp: 347884

Ion Ratio Lower Upper

105 100

134 19.4 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

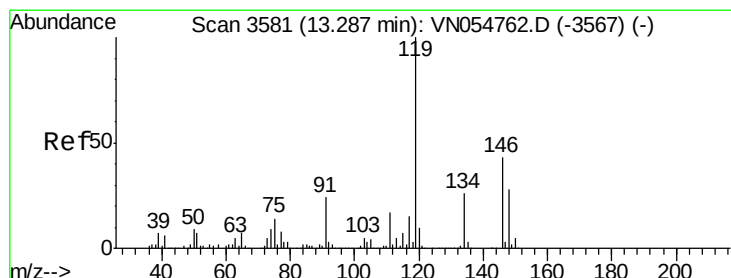
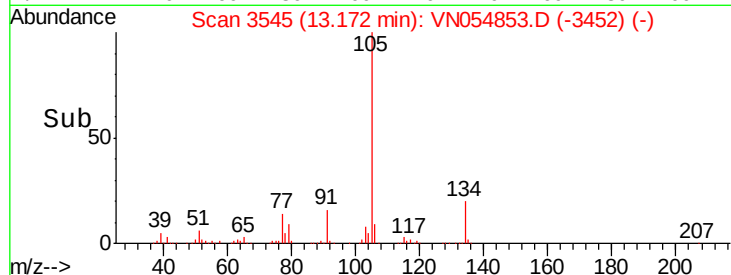
100000

50000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 19.645 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054853.D

Acq: 31 Mar 2019 16:25

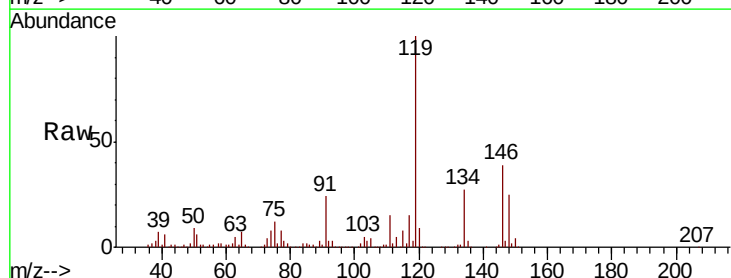
Tgt Ion:119 Resp: 297916

Ion Ratio Lower Upper

119 100

134 26.4 13.6 40.8

91 24.0 11.1 33.3



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

250000

200000

150000

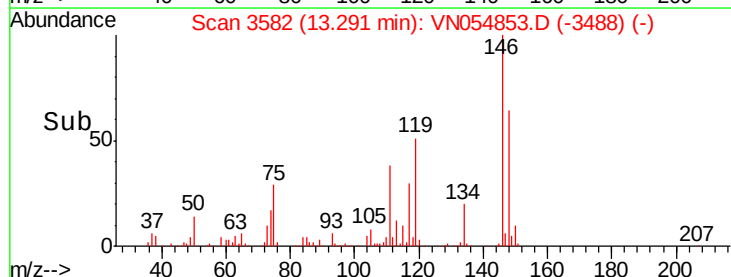
100000

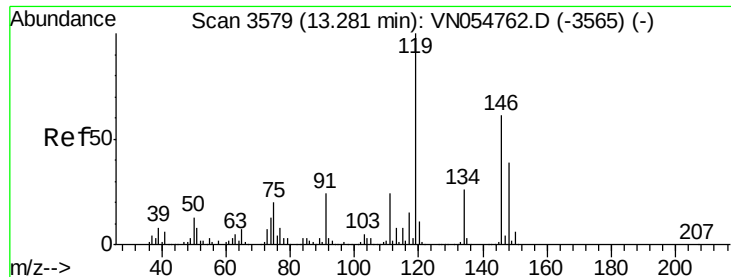
50000

0

13.20 13.25 13.30 13.35

Time-->

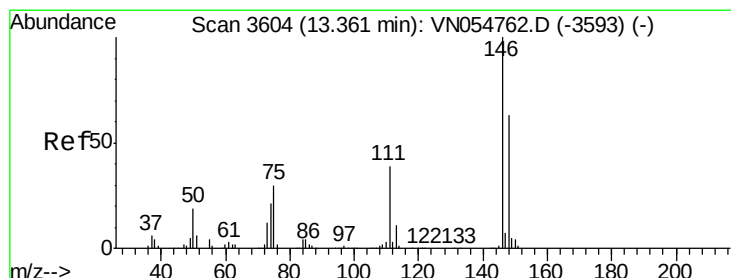
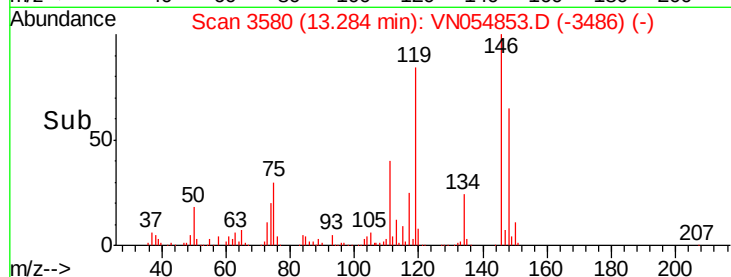
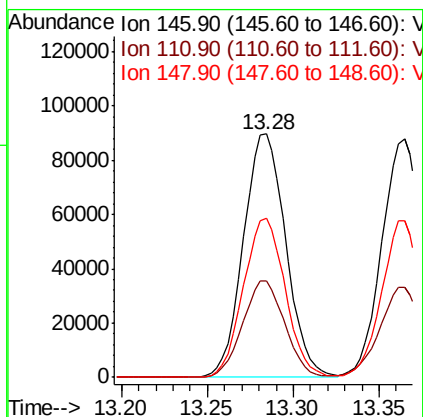
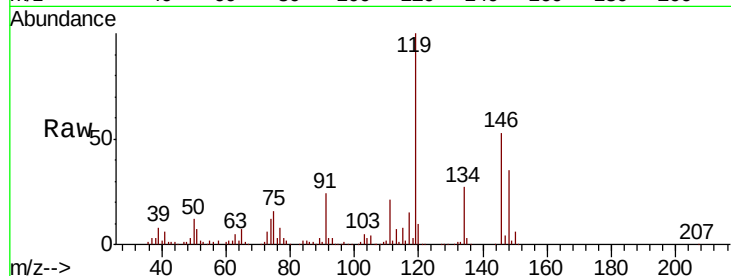




#87
 1,3-Dichlorobenzene
 Concen: 19.681 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054853.D
 Acq: 31 Mar 2019 16:25

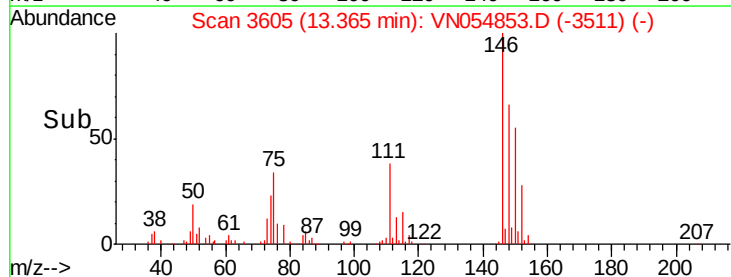
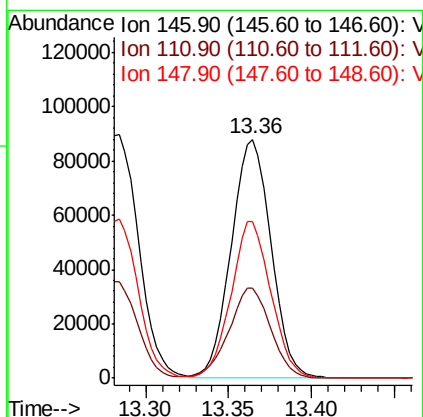
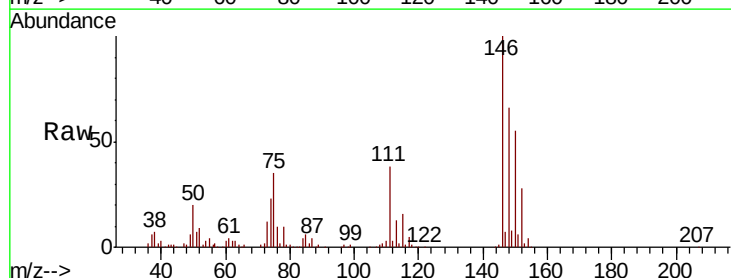
Instrument :
 MSVOA_N
 ClientSampleId :

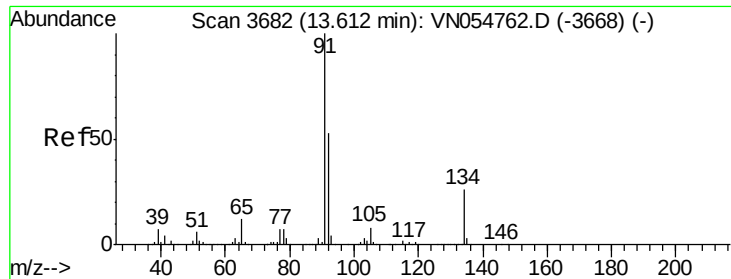
Tot Ion:146 Resp: 153405
 Ion Ratio Lower Upper
 146 100
 111 39.4 18.8 56.3
 148 64.6 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.256 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054853.D
 Acq: 31 Mar 2019 16:25

Tgt Ion:146 Resp: 147214
 Ion Ratio Lower Upper
 146 100
 111 39.5 18.1 54.1
 148 65.6 32.0 96.0

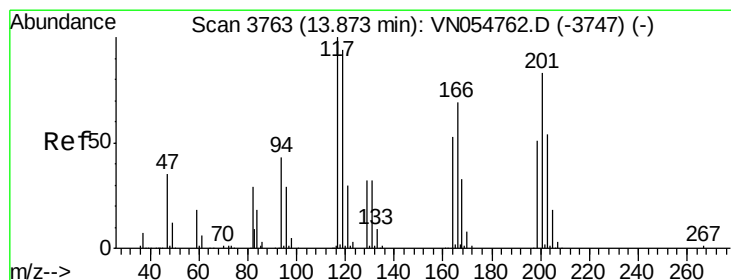
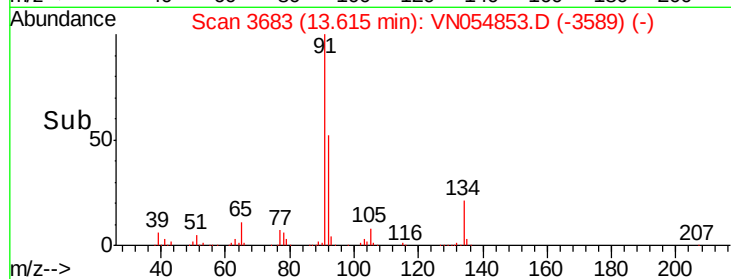
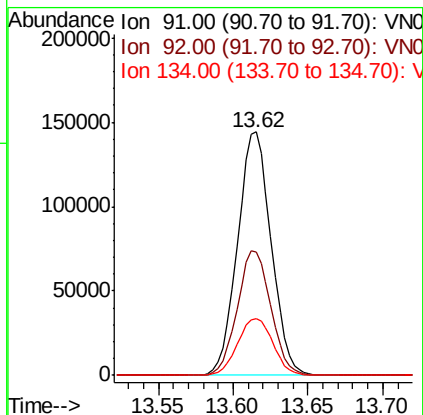
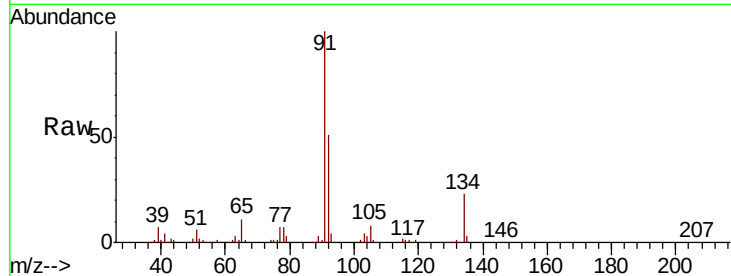




#89
n-Butylbenzene
Concen: 18.242 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054853.D
Acq: 31 Mar 2019 16:25

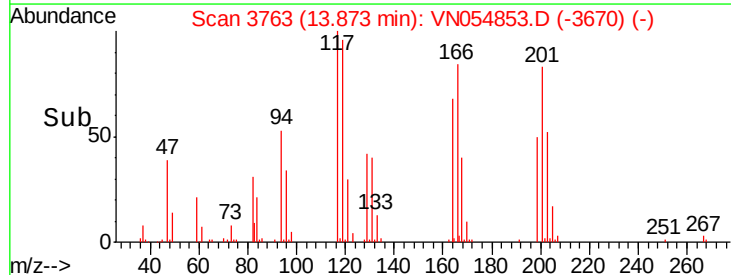
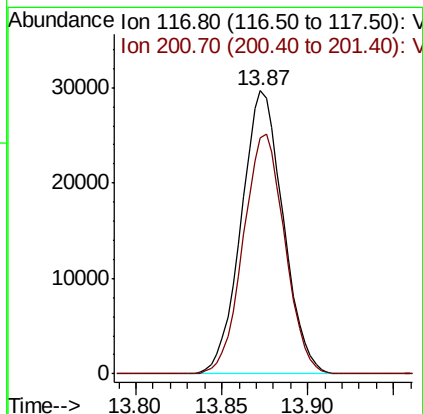
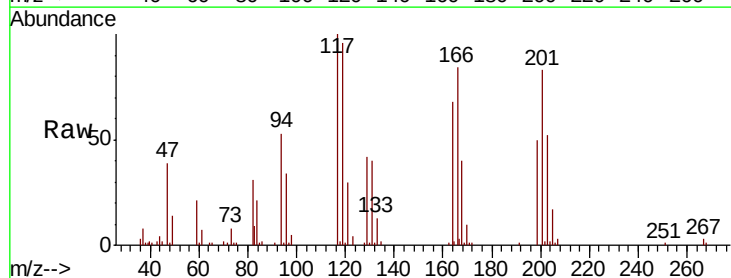
Instrument :
MSVOA_N
ClientSampled :

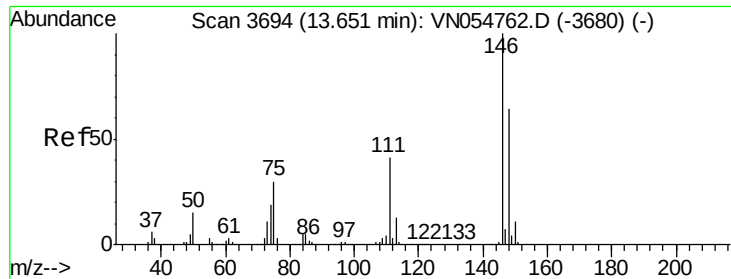
Tot Ion: 91 Resp: 225706
Ion Ratio Lower Upper
91 100
92 51.1 26.2 78.6
134 24.6 14.3 42.9



#90
Hexachloroethane
Concen: 19.518 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054853.D
Acq: 31 Mar 2019 16:25

Tgt Ion: 117 Resp: 50256
Ion Ratio Lower Upper
117 100
201 83.7 48.1 144.4

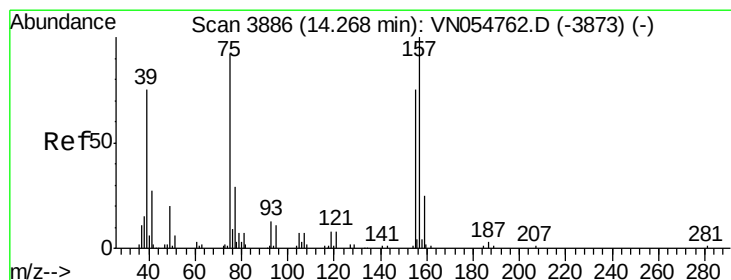
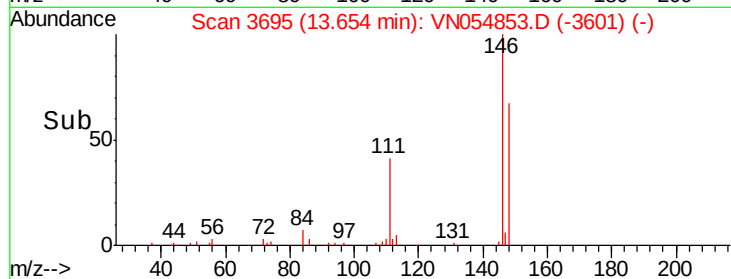
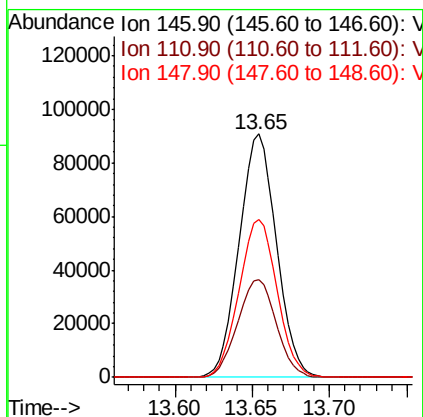
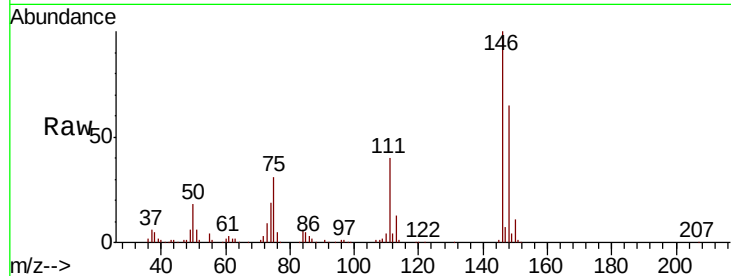




#91
 1,2-Dichlorobenzene
 Concen: 19.413 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054853.D
 Acq: 31 Mar 2019 16:25

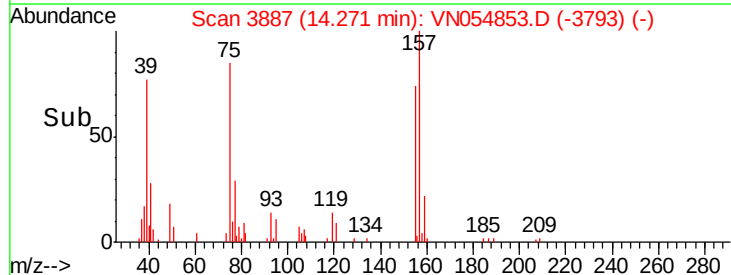
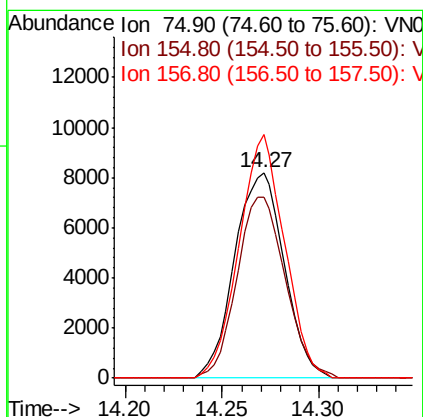
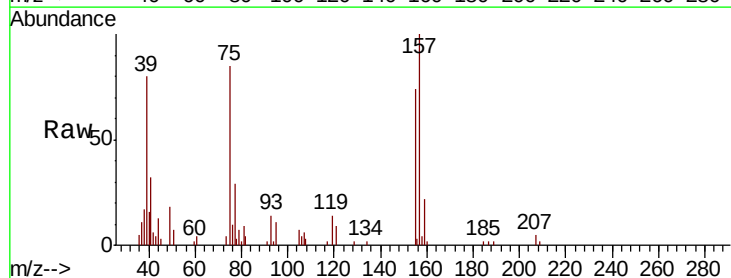
Instrument :
 MSVOA_N
 ClientSampled :

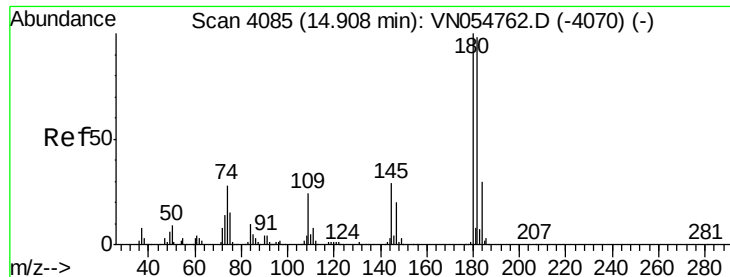
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	19.1	57.3
148	65.9	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.155 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054853.D
 Acq: 31 Mar 2019 16:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.0	50.1	150.3
157	108.5	63.1	189.3

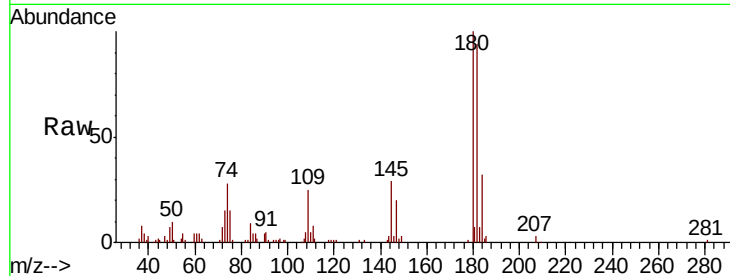




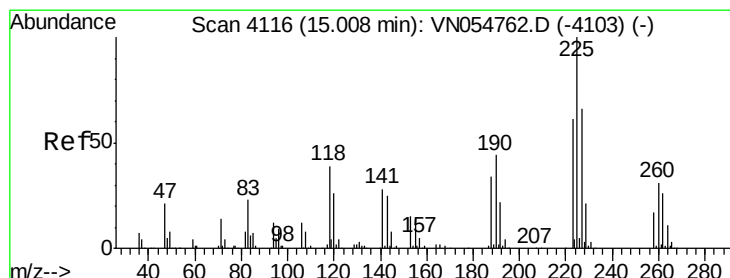
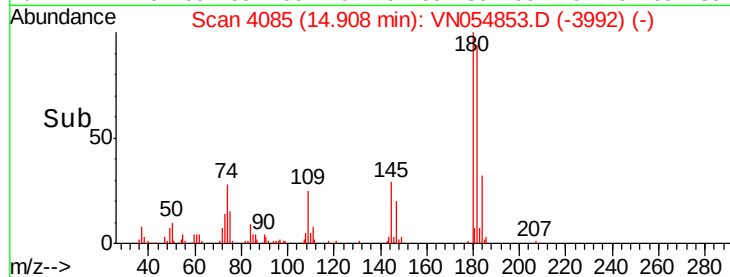
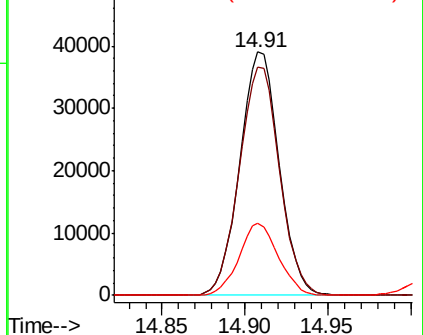
#93
 1,2,4-Trichlorobenzene
 Concen: 16.937 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054853.D
 Acq: 31 Mar 2019 16:25

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 64232
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.0 144.2
 145 29.4 14.2 42.8

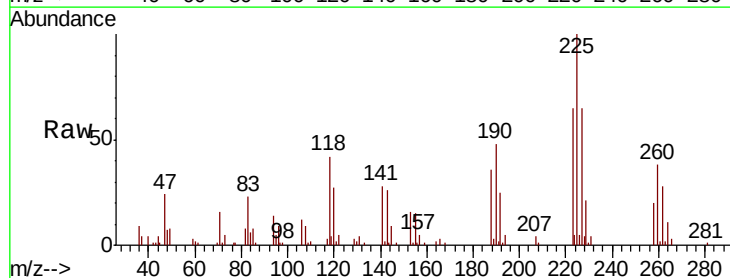


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

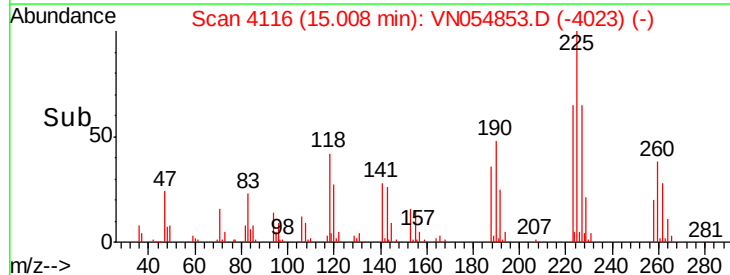
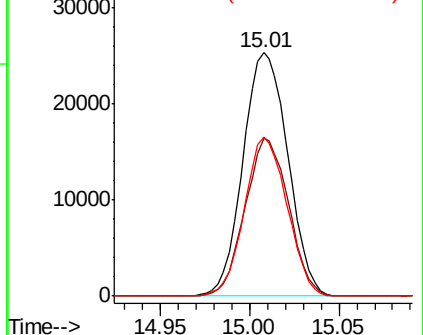


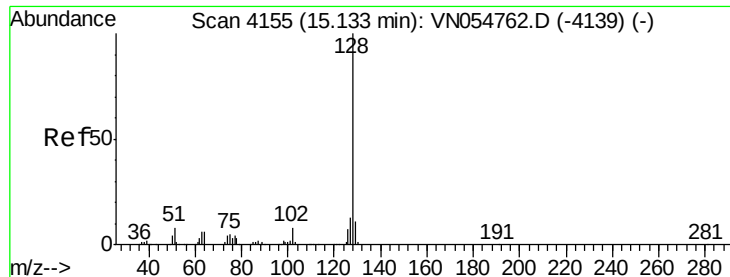
#94
 Hexachlorobutadiene
 Concen: 18.565 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054853.D
 Acq: 31 Mar 2019 16:25

Tgt Ion:225 Resp: 44668
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.1 93.5
 227 61.9 31.9 95.9



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





#95

Naphthalene

Concen: 18.285 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054853.D

Acq: 31 Mar 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

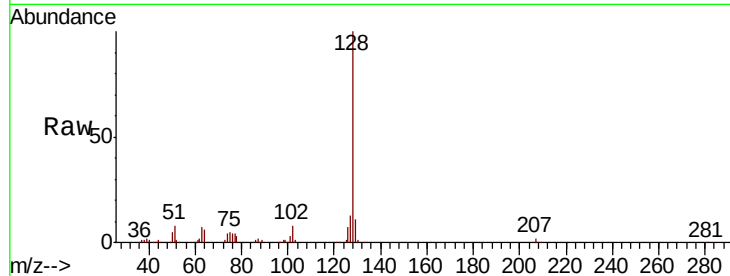
Tot Ion:128 Resp: 155532

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

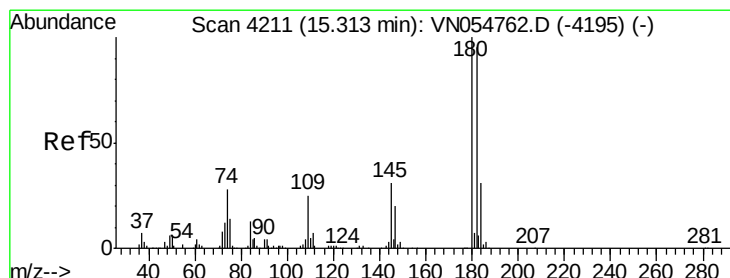
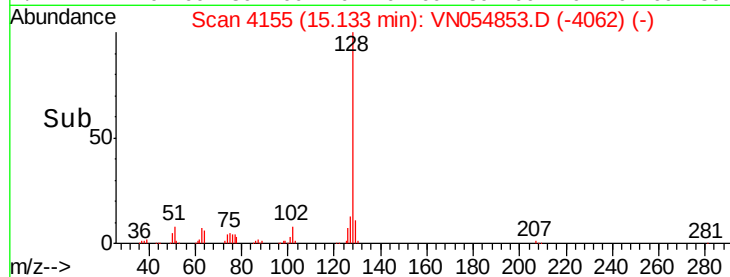
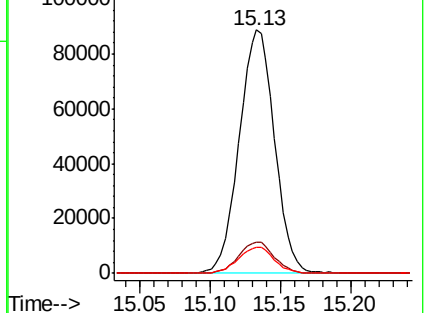
129 10.9 8.7 13.1



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: 18.405 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054853.D

Acq: 31 Mar 2019 16:25

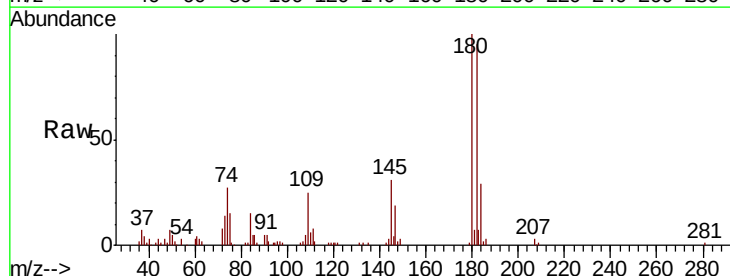
Tgt Ion:180 Resp: 70493

Ion Ratio Lower Upper

180 100

182 92.9 47.5 142.6

145 32.1 14.8 44.3



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

