

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072419\
 Data File : VN056888.D
 Acq On : 23 Jul 2019 19:52
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 24 02:39:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 02:31:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	60306	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	324153	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	288294	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	118297	29.16	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.20%
60) 4-Bromofluorobenzene	12.40	95	133158	30.41	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.37%
63) Toluene-d8	10.09	98	406963	30.68	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	191558	55.902	ug/l 99
3) Chloromethane	2.06	50	226041	50.061	ug/l 98
4) Vinyl Chloride	2.18	62	217509	49.147	ug/l 99
5) Bromomethane	2.55	94	128459	46.161	ug/l 98
6) Chloroethane	2.70	64	118260	46.922	ug/l 99
7) Trichlorofluoromethane	3.01	101	264640	47.268	ug/l 99
8) Diethyl Ether	3.41	74	96686	42.495	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	163870	46.871	ug/l 99
10) 1,1-Dichloroethene	3.72	96	164053	47.206	ug/l 98
11) Methyl Iodide	3.94	142	253981	53.964	ug/l 98
12) Methyl Acetate	4.33	43	177717	38.507	ug/l 100
13) Acrolein	3.60	56	111161	304.675	ug/l 98
14) Acrylonitrile	4.99	53	393250	197.933	ug/l 99
15) Acetone	3.82	58	101652	160.751	ug/l 96
16) Carbon Disulfide	4.04	76	445981	48.458	ug/l 99
17) Allyl chloride	4.32	41	273545	45.343	ug/l 98
18) Methylene Chloride	4.54	84	191182	46.878	ug/l 96
19) trans-1,2-Dichloroethene	5.03	96	175226	47.364	ug/l 97
20) Diisopropyl ether	5.95	45	565752	46.780	ug/l 97
21) 1,1-Dichloroethane	5.85	63	323751	46.739	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	201770	46.447	ug/l 99
23) tert-Butyl Alcohol	4.81	59	133519	190.893	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	496114	45.196	ug/l # 78
25) Chloroform	7.37	83	313747	46.669	ug/l 99
26) Cyclohexane	7.65	56	304349	47.778	ug/l # 100
29) 1,1-Dichloropropene	7.79	75	243390	48.840	ug/l 97
30) 2-Butanone	6.84	43	480998	177.769	ug/l 99
31) 2,2-Dichloropropane	6.82	77	220178	45.775	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	262102	48.876	ug/l 99
33) Carbon Tetrachloride	7.77	117	228401	49.525	ug/l 98
34) Benzene	8.04	78	745547	48.291	ug/l # 93
35) Methacrylonitrile	7.17	41	76117	33.607	ug/l 94
36) 1,2-Dichloroethane	8.12	62	231429	46.962	ug/l 100
37) Trichloroethene	8.83	130	200566	48.064	ug/l 100
38) Methylcyclohexane	9.08	83	307397	48.959	ug/l 98
39) 1,2-Dichloropropane	9.12	63	201165	48.657	ug/l 100
40) Dibromomethane	9.21	93	121376	46.304	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	238694	49.120	ug/l	98
42) Vinyl Acetate	5.90	43	2187708	230.244	ug/l	100
43) Ethyl Acetate	6.93	43	201886	40.244	ug/l	98
44) Isopropyl Acetate	8.17	43	324222	40.563	ug/l #	88
45) 1,4-Dioxane	9.20	88	64596	818.310	ug/l	95
46) Methyl methacrylate	9.20	41	164891	43.051	ug/l	98
47) n-amyl Acetate	12.07	43	271230	41.839	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	246304	46.466	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	287738	47.830	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	175275	45.689	ug/l	99
51) Ethyl methacrylate	10.43	69	258944	44.541	ug/l	96
52) 1,3-Dichloropropane	10.71	76	296359	46.536	ug/l	99
53) Dibromochloromethane	10.90	129	184835	47.619	ug/l	100
54) 1,2-Dibromoethane	11.00	107	180257	45.580	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	567216	205.049	ug/l	99
56) Bromoform	12.13	173	130942	46.059	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	996450	194.525	ug/l	99
59) 2-Hexanone	10.75	43	694653	183.659	ug/l	100
61) Tetrachloroethene	10.63	164	205963	50.068	ug/l	99
62) Toluene	10.15	91	799434	48.199	ug/l	99
64) Chlorobenzene	11.43	112	482588	47.758	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	181326	48.519	ug/l	98
66) Ethyl Benzene	11.51	91	859690	48.244	ug/l	100
67) m/p-Xylenes	11.62	106	643310	95.932	ug/l	100
68) o-Xylene	11.95	106	312626	47.505	ug/l	100
69) Styrene	11.96	104	520558	48.014	ug/l	100
70) Isopropylbenzene	12.25	105	825994	47.989	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	227820	41.518	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	278023	59.555	ug/l	67
73) Bromobenzene	12.52	156	212039	47.273	ug/l	99
74) n-propylbenzene	12.59	91	917955	47.881	ug/l	99
75) 2-Chlorotoluene	12.67	91	550873	47.367	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	699170	47.943	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	65129	41.972	ug/l	96
78) 4-Chlorotoluene	12.77	91	537836	47.952	ug/l	100
79) tert-butylbenzene	12.99	119	598889	48.053	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	685429	47.312	ug/l	99
81) sec-Butylbenzene	13.17	105	788789	48.037	ug/l	99
82) p-Isopropyltoluene	13.29	119	712680	47.879	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	342667	46.405	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	332373	47.180	ug/l	99
85) n-Butylbenzene	13.61	91	574459	47.240	ug/l	98
86) Hexachloroethane	13.87	117	117977	49.630	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	341406	45.852	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	35854	38.314	ug/l	95
89) 1,2,4-Trichlorobenzene	14.90	180	167530	43.049	ug/l	99
90) Hexachlorobutadiene	15.01	225	122969	47.131	ug/l	98
91) Naphthalene	15.13	128	441211	41.866	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	182740	44.252	ug/l	99

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QLast Update : Wed Jul 24 02:31:22 2019
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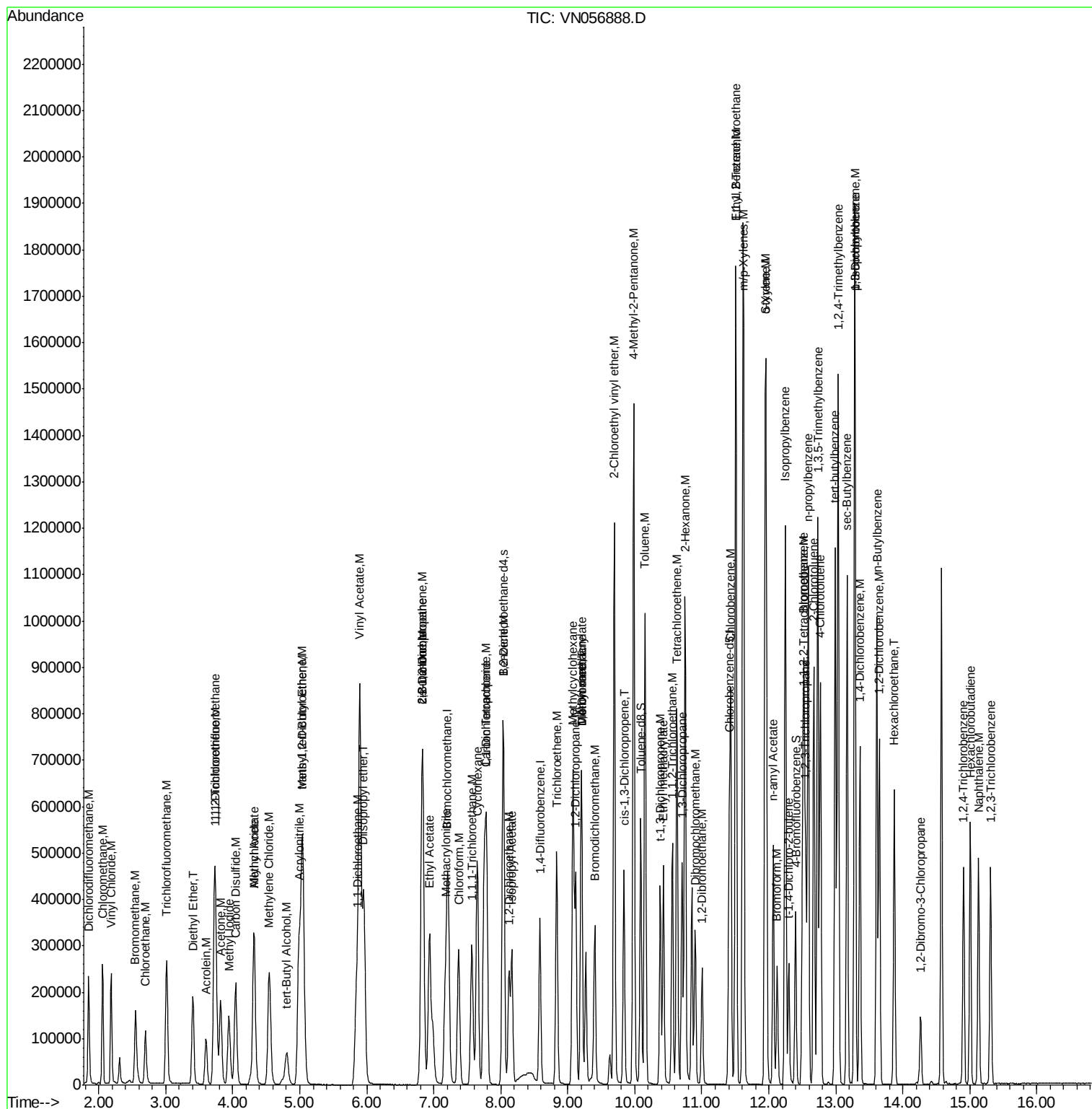
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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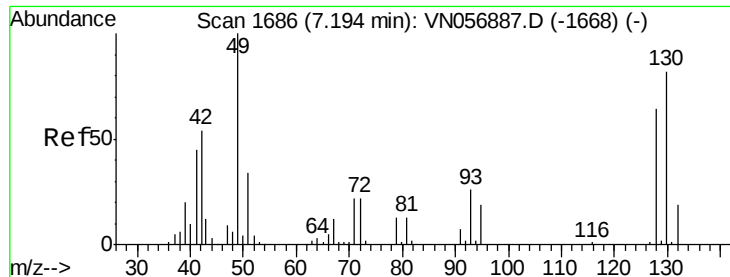
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :

Quant Time: Jul 24 02:39:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 24 02:31:22 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :
MSVOA_N
ClientSampled :

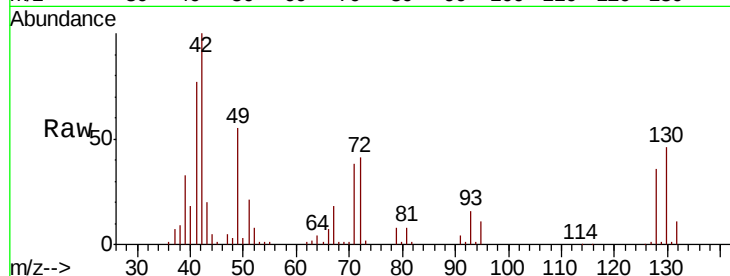
Tot Ion:128 Resp: 60306

Ion Ratio Lower Upper

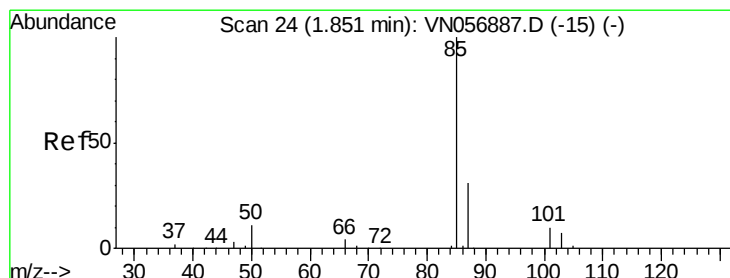
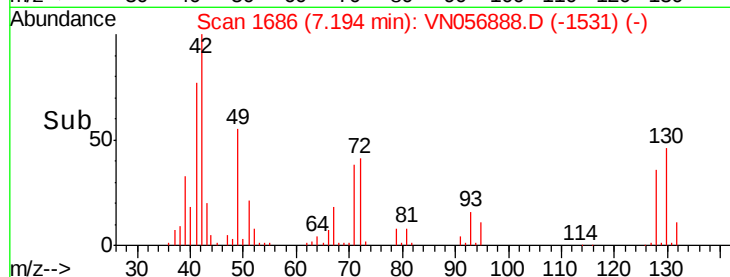
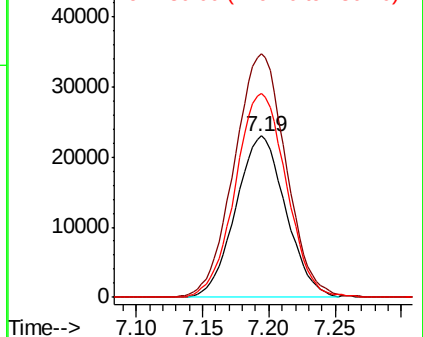
128 100

49 156.1 0.0 385.8

130 129.2 0.0 322.5



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 55.902 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056888.D

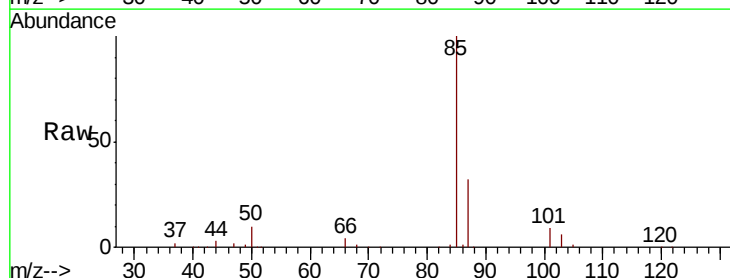
Acq: 23 Jul 2019 19:52

Tgt Ion: 85 Resp: 191558

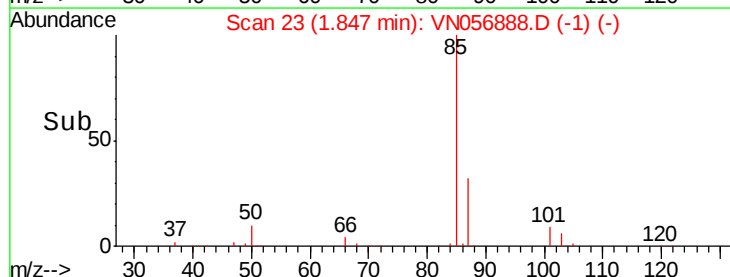
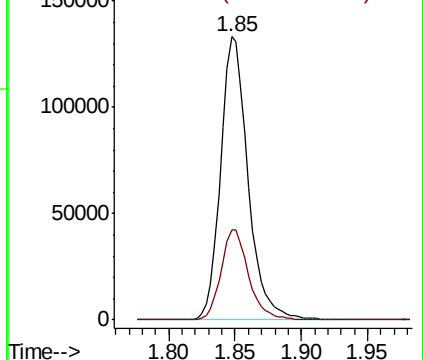
Ion Ratio Lower Upper

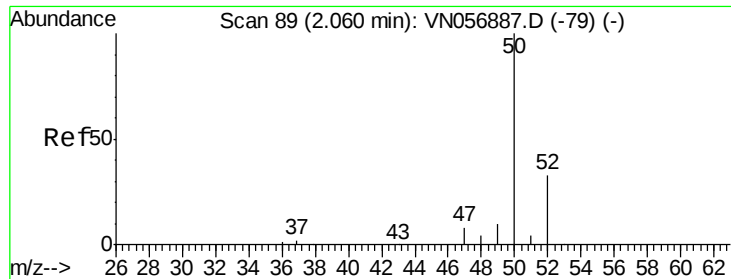
85 100

87 31.9 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN

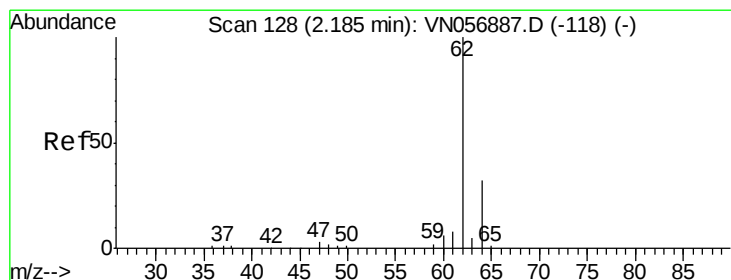
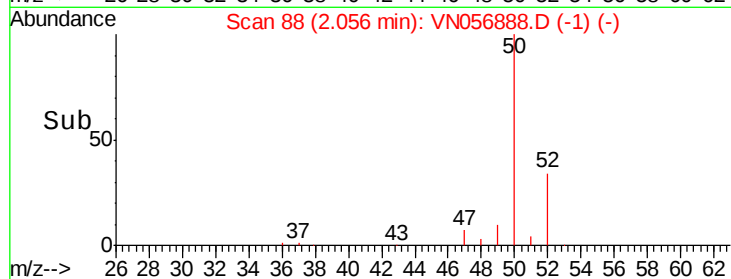
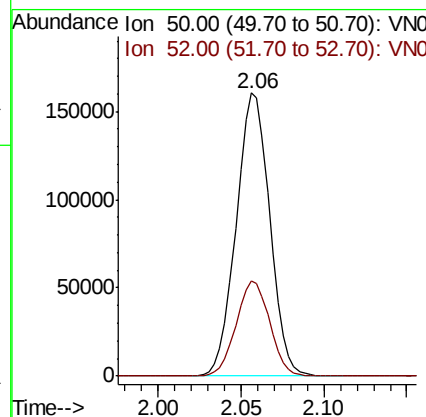
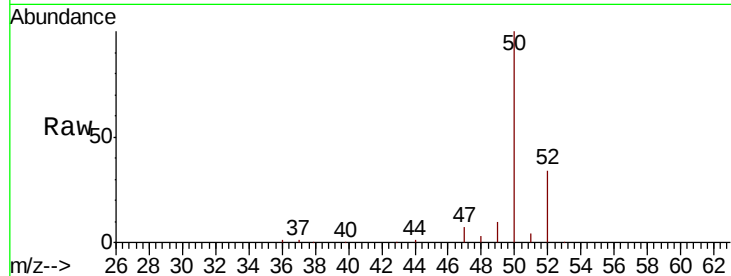




#3
Chloromethane
Concen: 50.061 ug/l
RT: 2.06 min Scan# 88
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

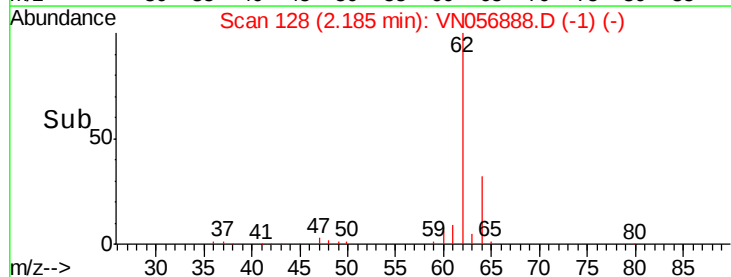
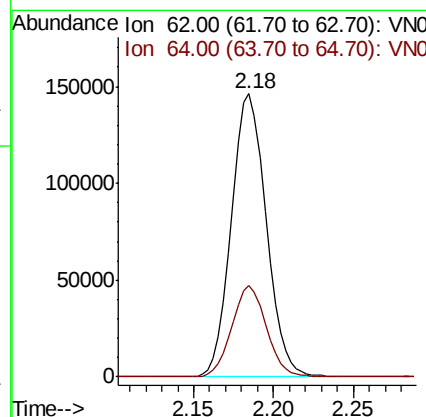
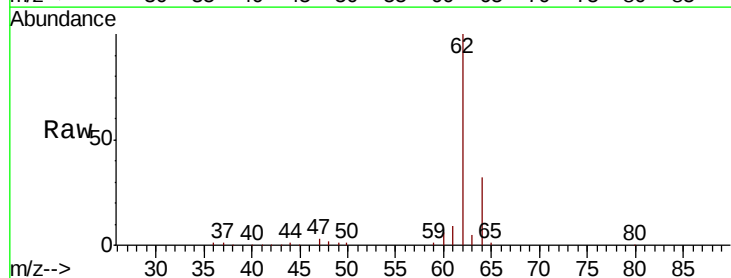
Instrument :
MSVOA_N
ClientSampleId :

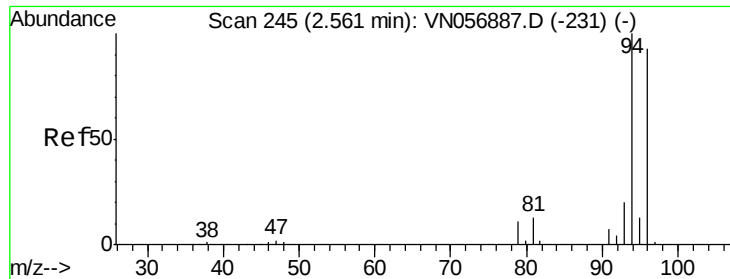
Tot Ion: 50 Resp: 226041
Ion Ratio Lower Upper
50 100
52 33.6 26.2 39.2



#4
Vinyl Chloride
Concen: 49.147 ug/l
RT: 2.18 min Scan# 128
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Tgt Ion: 62 Resp: 217509
Ion Ratio Lower Upper
62 100
64 32.1 25.4 38.0

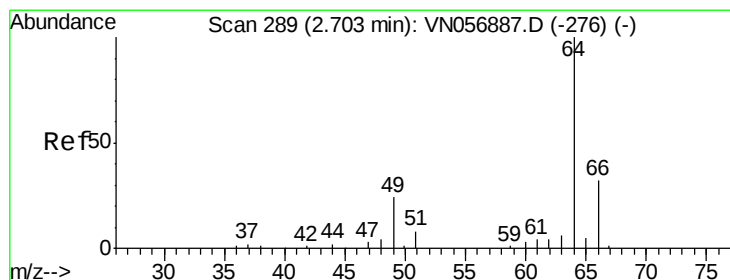
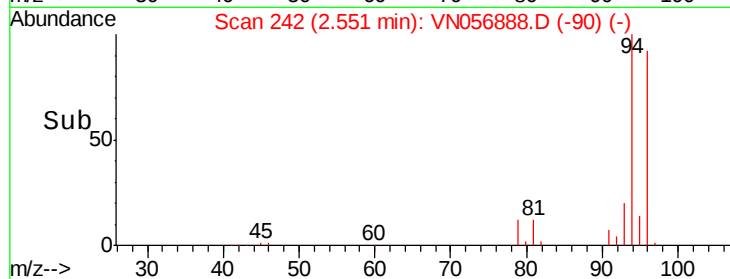
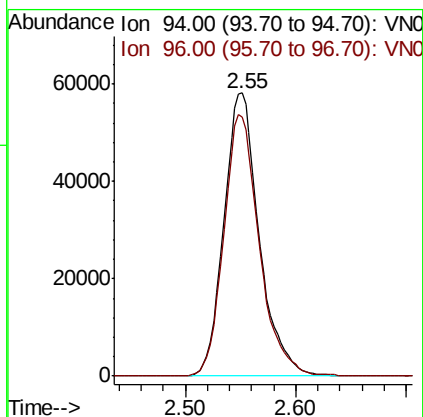
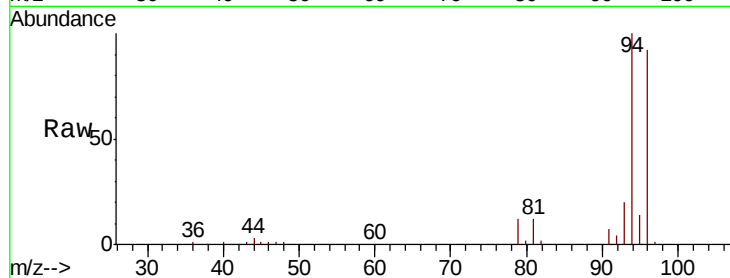




#5
Bromomethane
Concen: 46.161 ug/l
RT: 2.55 min Scan# 242
Delta R.T. -0.01 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

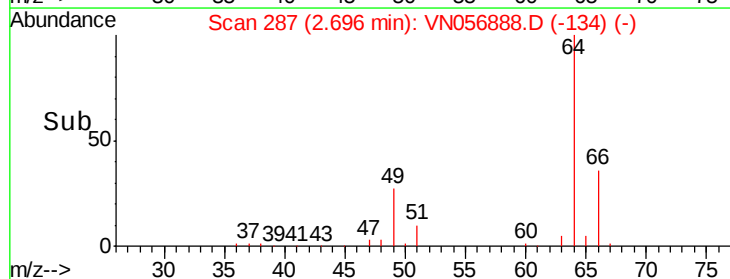
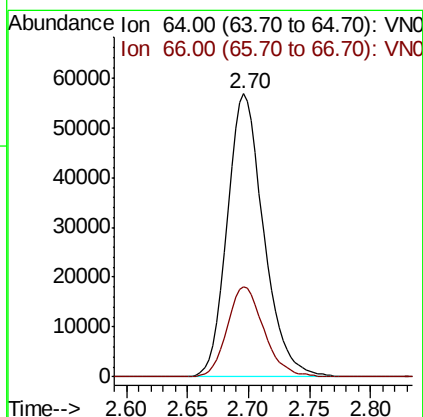
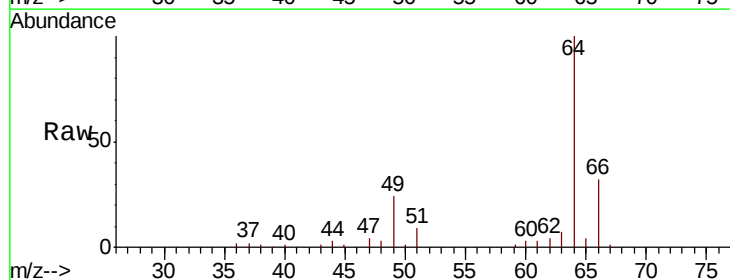
Instrument :
MSVOA_N
ClientSampleId :

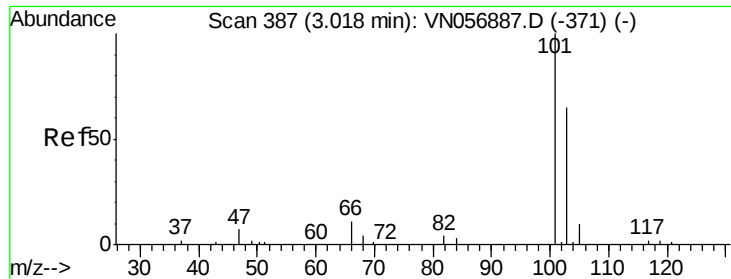
Tot Ion: 94 Resp: 128459
Ion Ratio Lower Upper
94 100
96 91.4 74.7 112.1



#6
Chloroethane
Concen: 46.922 ug/l
RT: 2.70 min Scan# 287
Delta R.T. -0.01 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Tgt Ion: 64 Resp: 118260
Ion Ratio Lower Upper
64 100
66 31.8 25.8 38.8



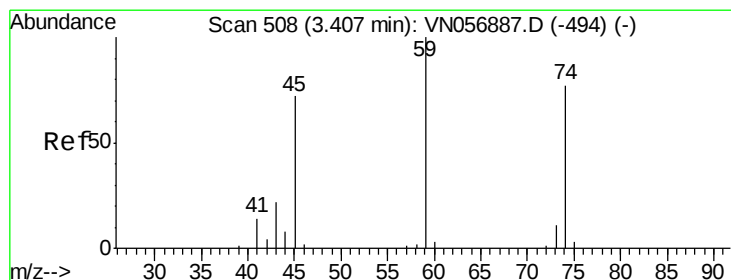
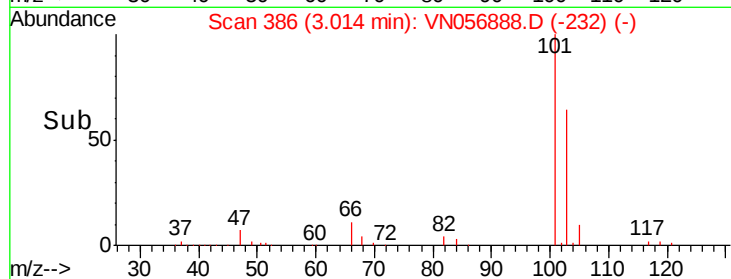
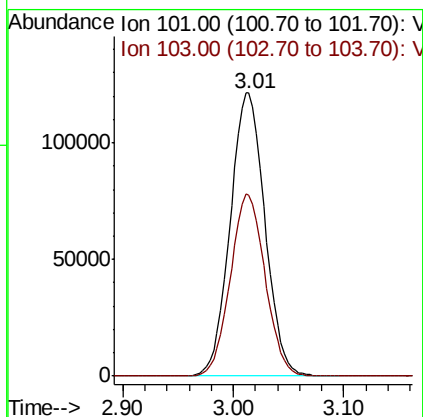
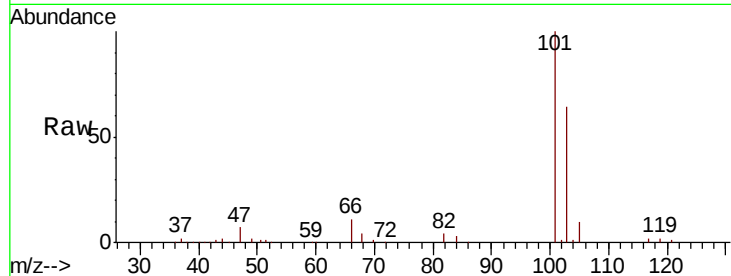


#7

Trichlorofluoromethane
Concen: 47.268 ug/l
RT: 3.01 min Scan# 386
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Instrument :
MSVOA_N
ClientSampled :

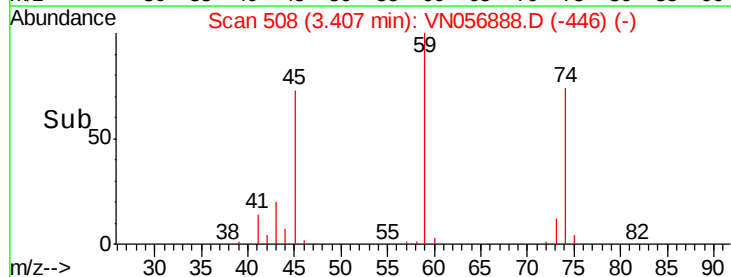
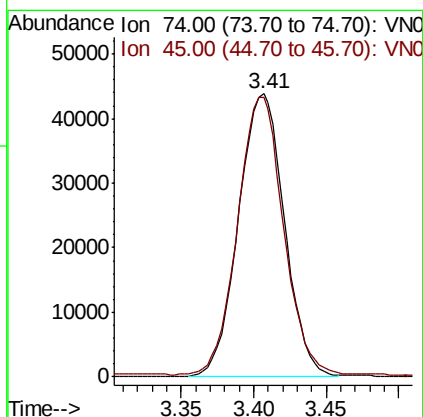
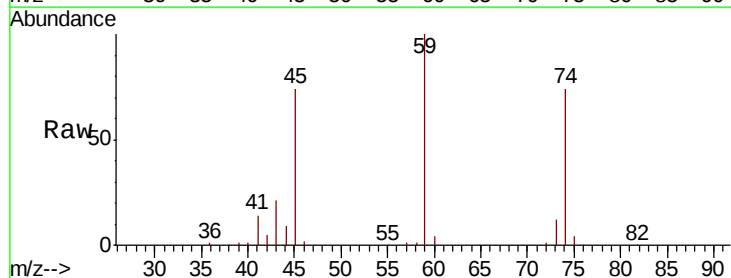
Tot Ion:101 Resp: 264640
Ion Ratio Lower Upper
101 100
103 64.1 52.2 78.4

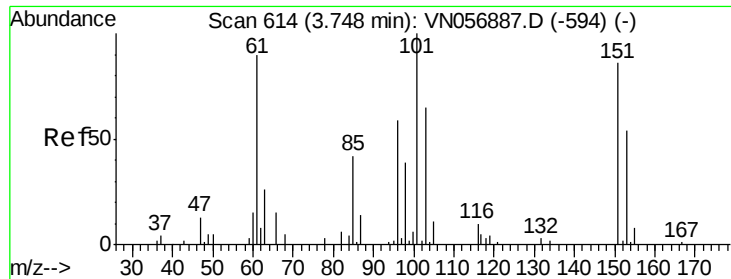


#8

Diethyl Ether
Concen: 42.495 ug/l
RT: 3.41 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Tgt Ion: 74 Resp: 96686
Ion Ratio Lower Upper
74 100
45 97.9 19.5 175.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.871 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

ClientSampleId :

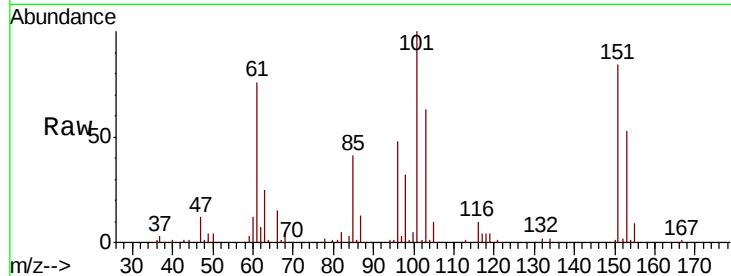
Tot Ion:101 Resp: 163870

Ion Ratio Lower Upper

101 100

85 42.2 0.0 85.0

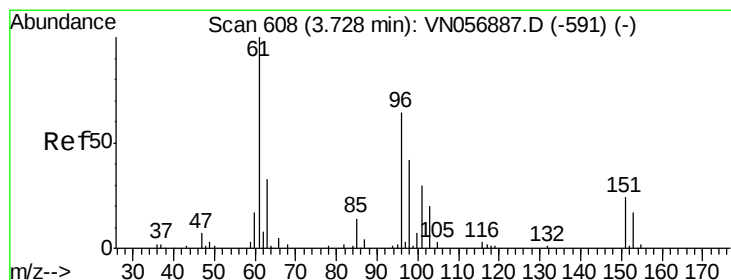
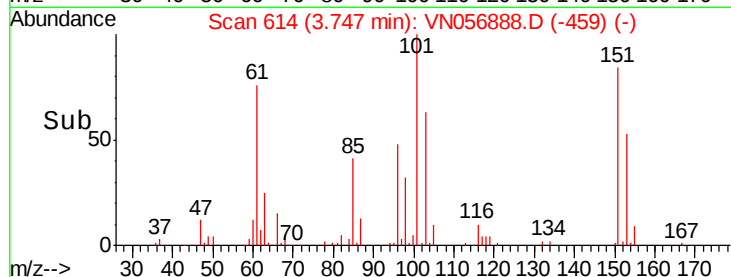
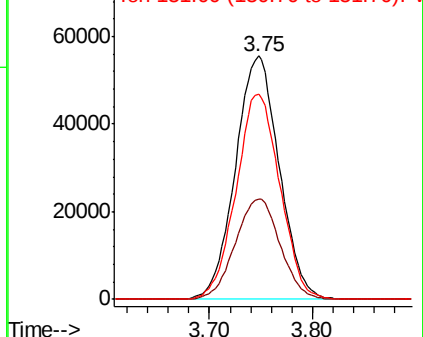
151 84.4 0.0 167.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 47.206 ug/l

RT: 3.72 min Scan# 607

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

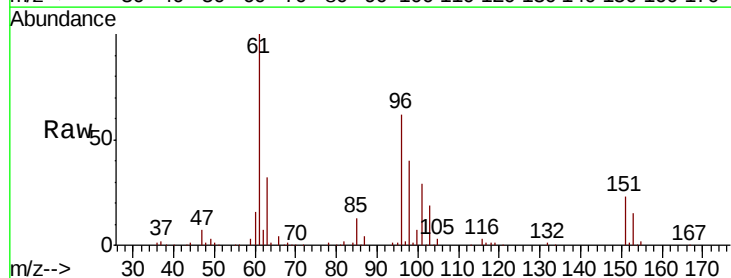
Tgt Ion: 96 Resp: 164053

Ion Ratio Lower Upper

96 100

61 160.4 125.8 188.8

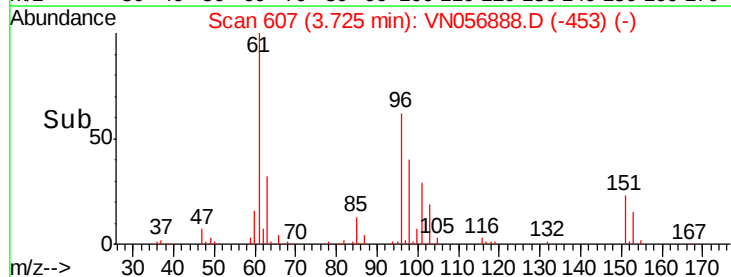
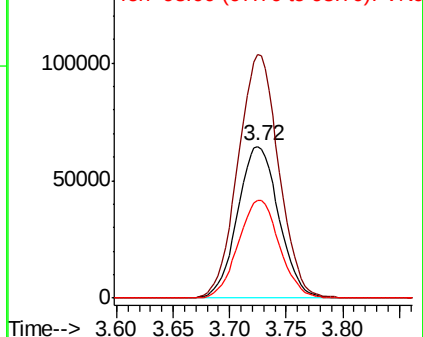
98 64.4 52.7 79.1

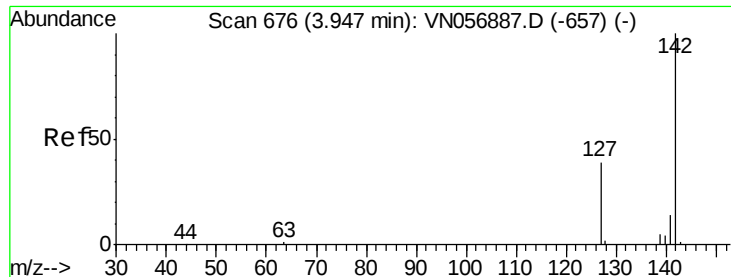


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

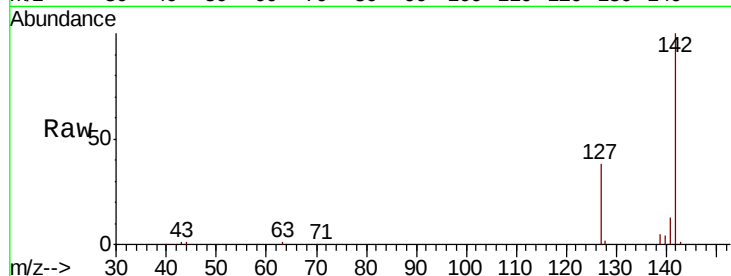




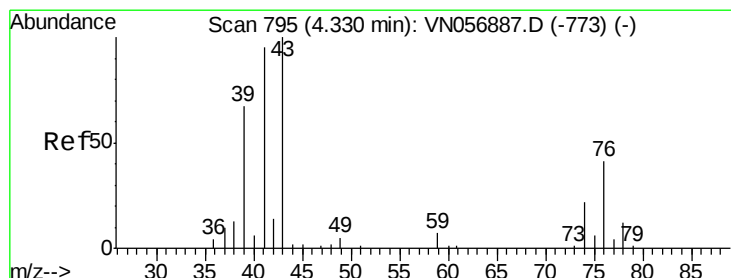
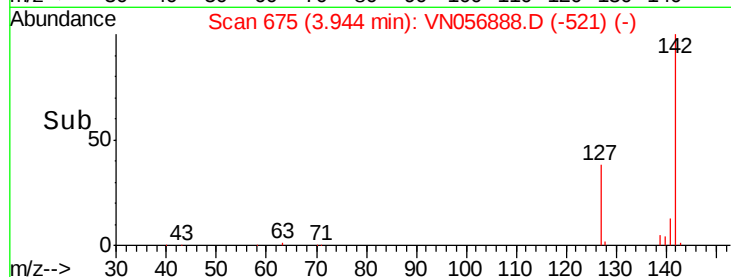
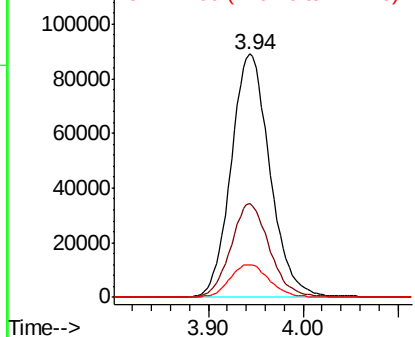
#11
Methvl Iodide
Concen: 53.964 ug/l
RT: 3.94 min Scan# 675
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:142 Resp: 253981
Ion Ratio Lower Upper
142 100
127 38.4 19.6 58.8
141 13.4 7.2 21.6

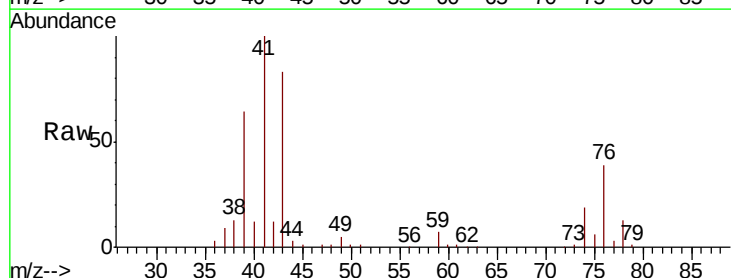


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

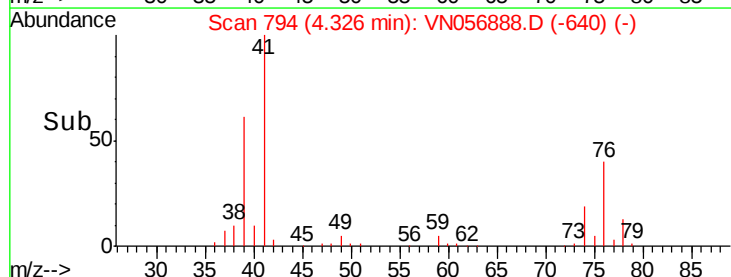
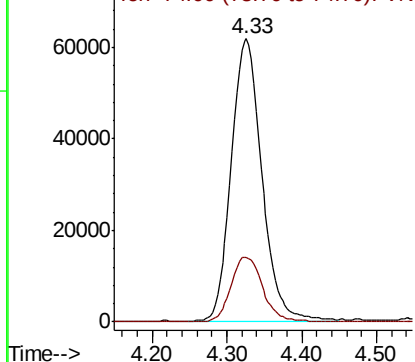


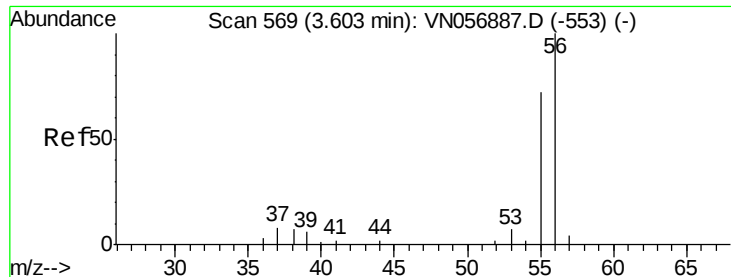
#12
Methyl Acetate
Concen: 38.507 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Tgt Ion: 43 Resp: 177717
Ion Ratio Lower Upper
43 100
74 22.5 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 304.675 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

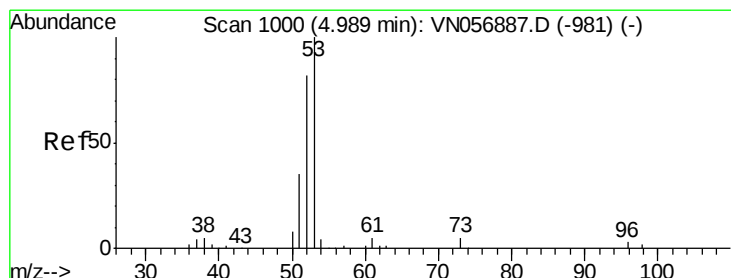
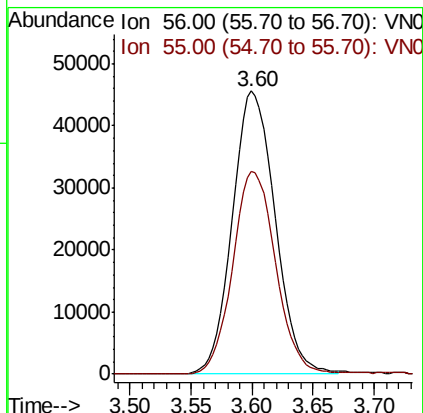
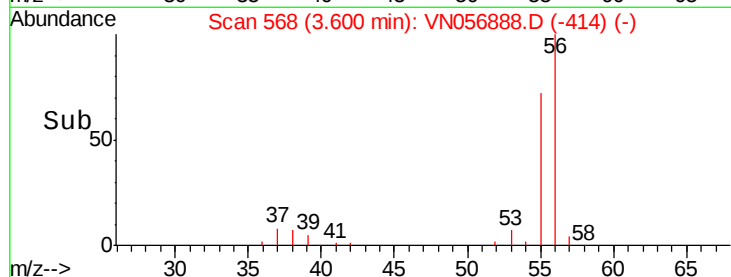
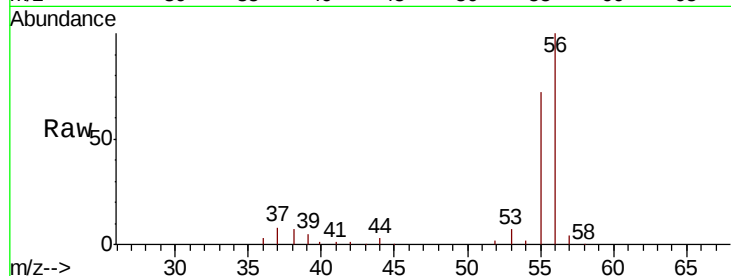
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 111161

Ion Ratio Lower Upper

56 100

55 71.8 58.5 87.7



#14

Acrylonitrile

Concen: 197.933 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

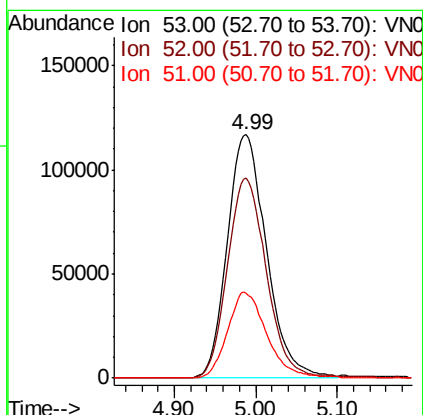
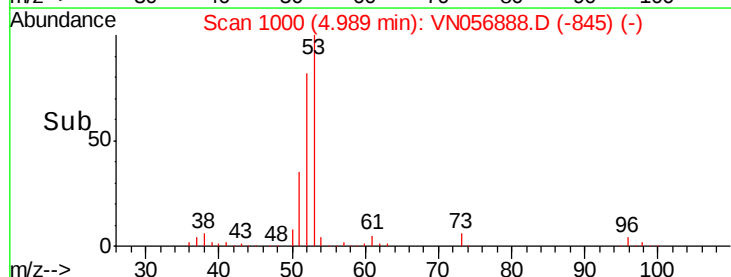
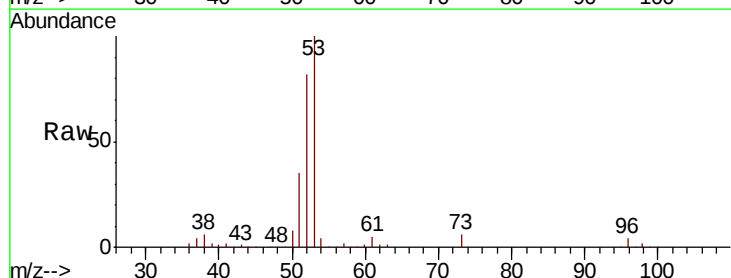
Tgt Ion: 53 Resp: 393250

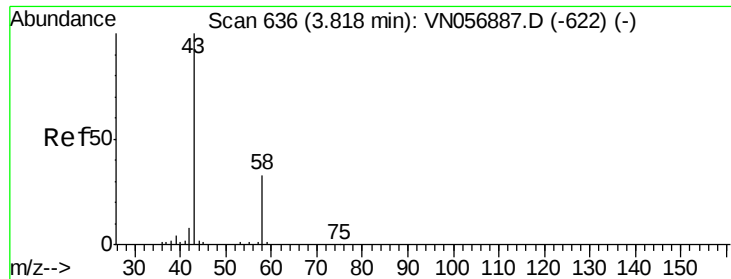
Ion Ratio Lower Upper

53 100

52 81.4 40.8 122.5

51 35.4 17.4 52.2





#15

Acetone

Concen: 160.751 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

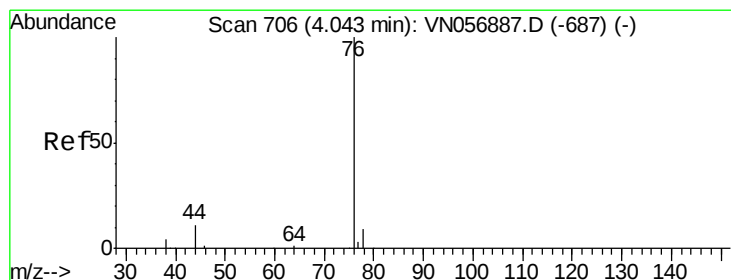
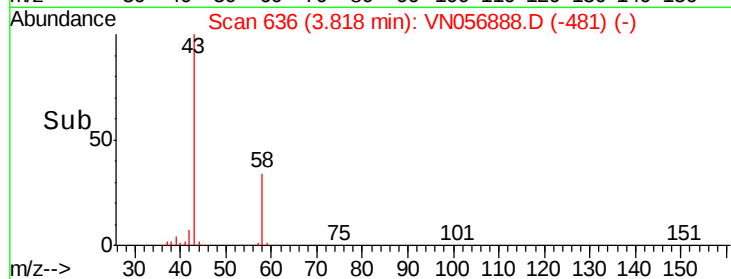
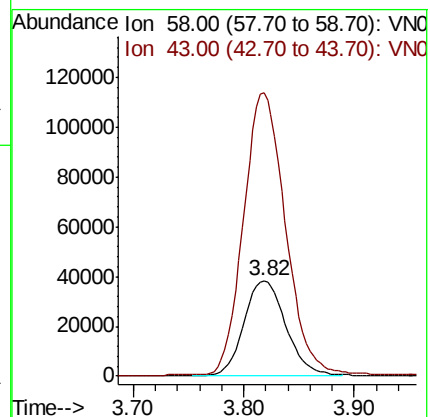
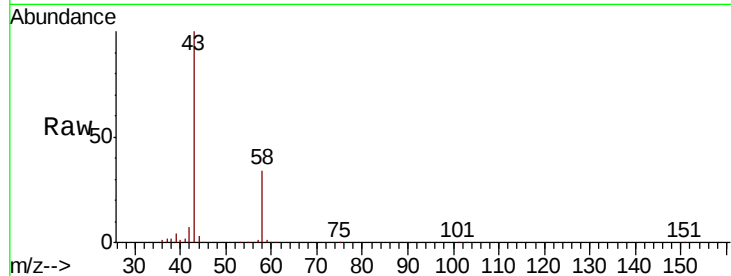
ClientSampleId :

Tot Ion: 58 Resp: 101652

Ion Ratio Lower Upper

58 100

43 294.7 242.4 363.6



#16

Carbon Disulfide

Concen: 48.458 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN056888.D

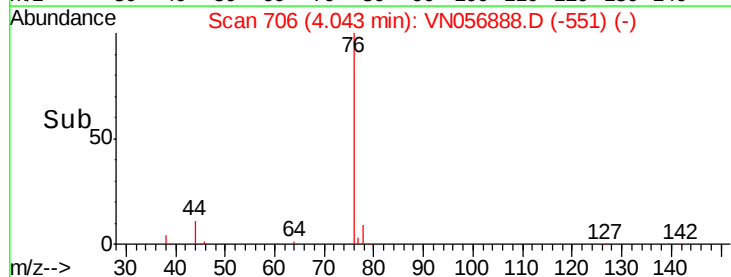
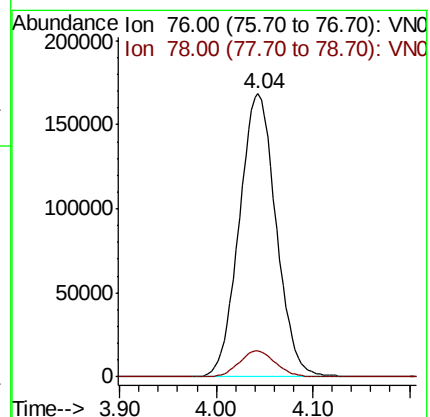
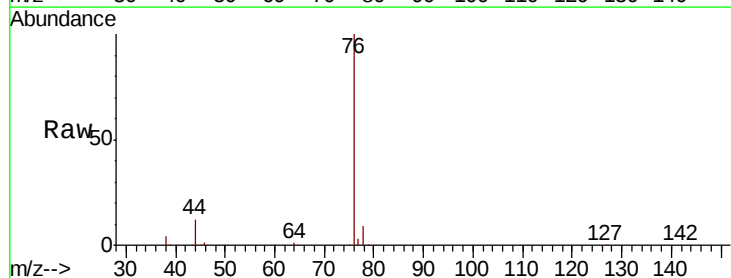
Acq: 23 Jul 2019 19:52

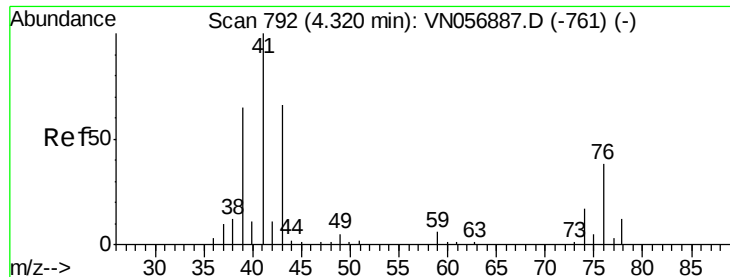
Tgt Ion: 76 Resp: 445981

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7

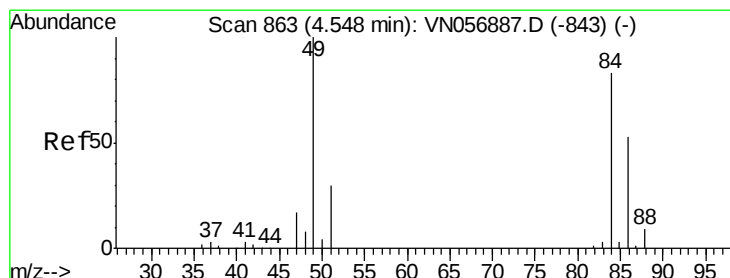
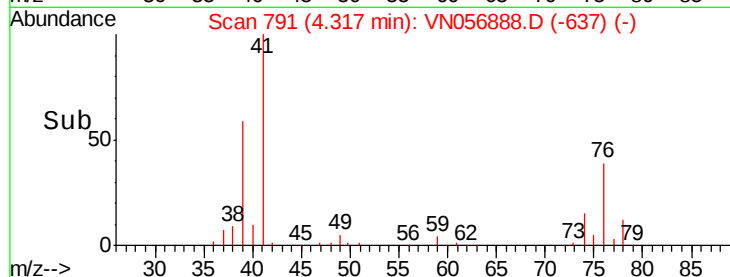
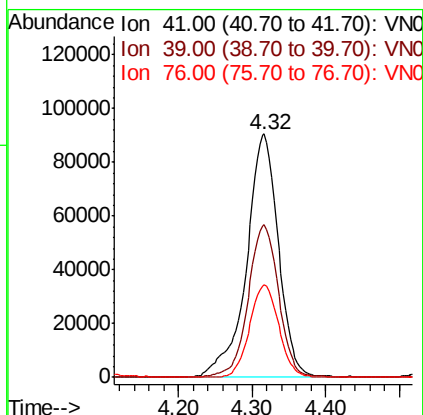
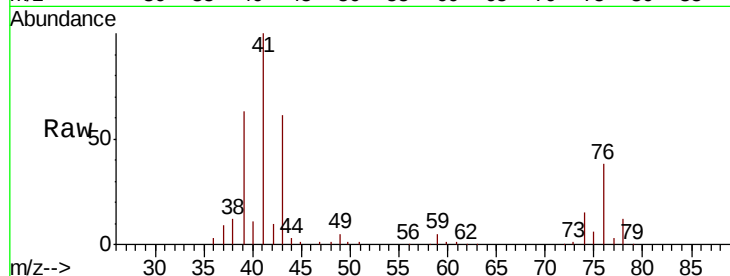




#17
Allvl chloride
Concen: 45.343 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

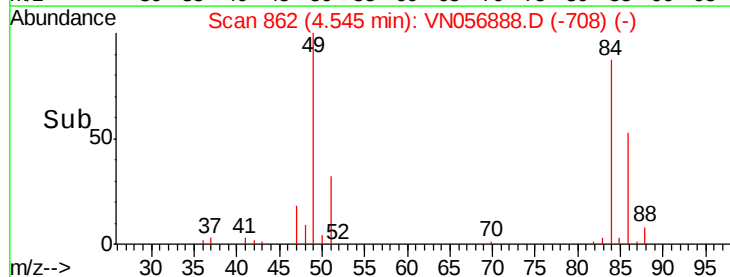
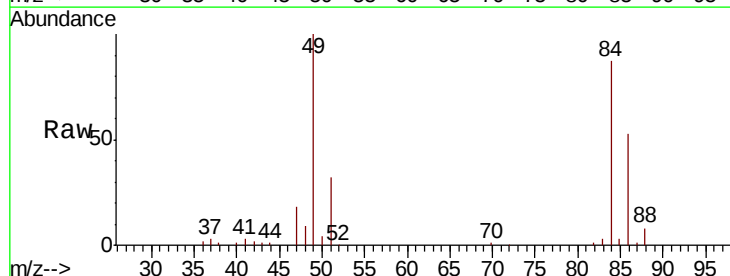
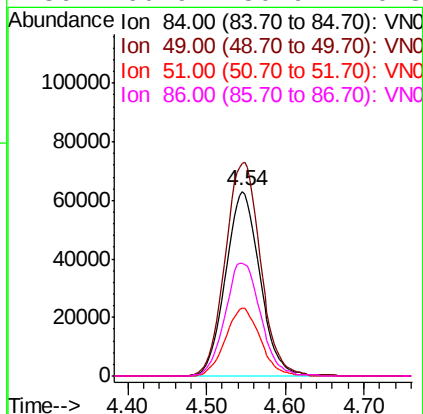
Instrument :
MSVOA_N
ClientSampleId :

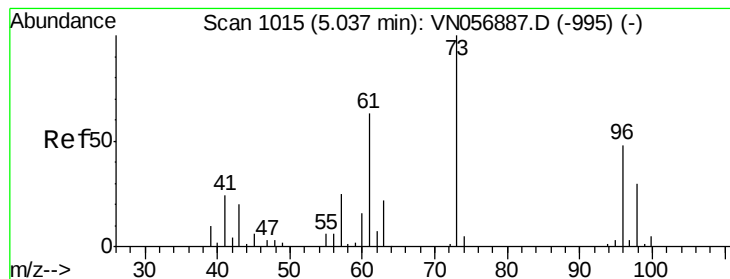
Tot Ion: 41 Resp: 273545
Ion Ratio Lower Upper
41 100
39 62.5 32.4 97.0
76 37.9 19.0 57.0



#18
Methylene Chloride
Concen: 46.878 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Tgt Ion: 84 Resp: 191182
Ion Ratio Lower Upper
84 100
49 114.8 96.3 144.5
51 37.1 28.8 43.2
86 60.9 50.9 76.3





#19

trans-1,2-Dichloroethene

Concen: 47.364 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :
MSVOA_N
ClientSampled :

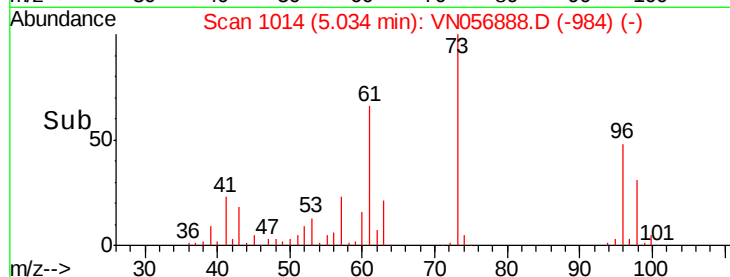
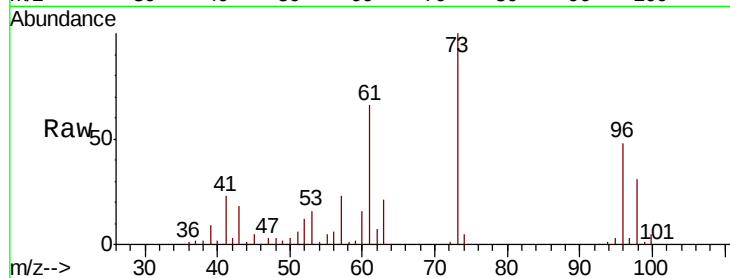
Tot Ion: 96 Resp: 175226

Ion Ratio Lower Upper

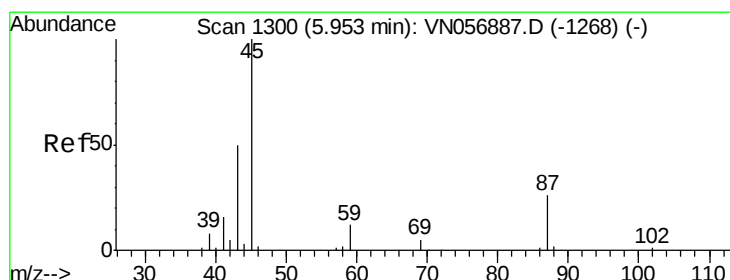
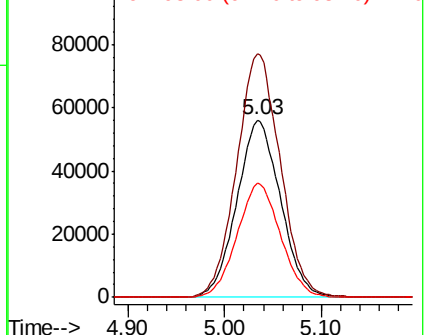
96 100

61 136.8 105.4 158.0

98 64.5 50.8 76.2



Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 46.780 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Tgt Ion: 45 Resp: 565752

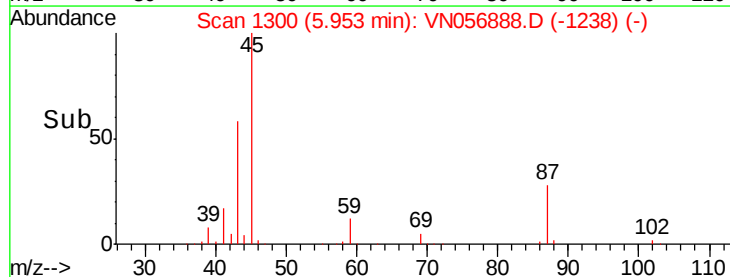
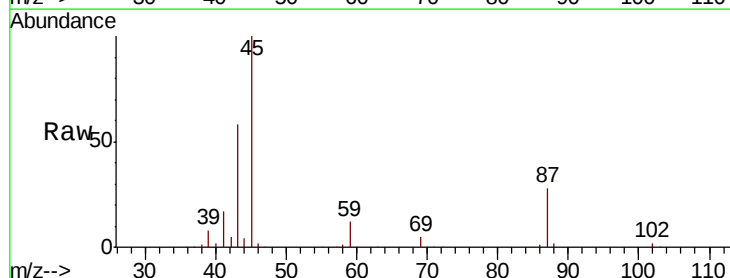
Ion Ratio Lower Upper

45 100

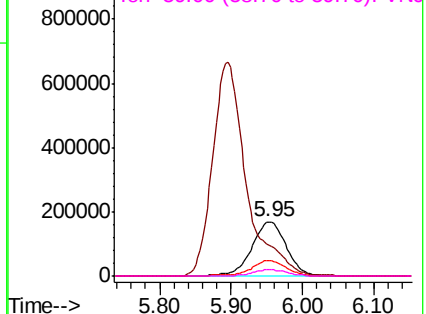
43 56.5 47.4 71.0

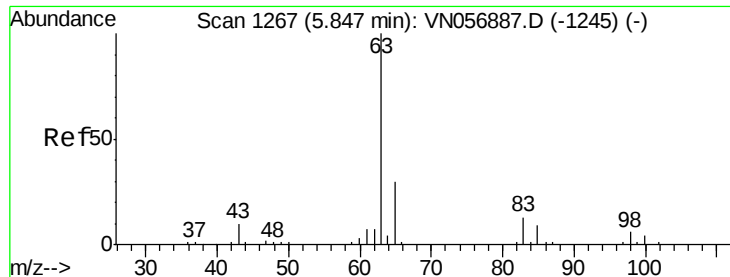
87 28.4 21.7 32.5

59 11.4 9.3 13.9



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





#21

1,1-Dichloroethane

Concen: 46.739 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

ClientSampled :

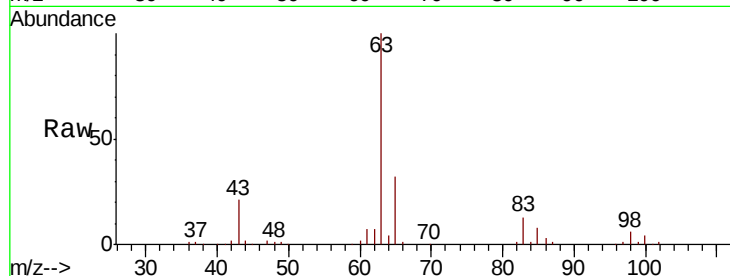
Tot Ion: 63 Resp: 323751

Ion Ratio Lower Upper

63 100

98 6.3 3.1 9.3

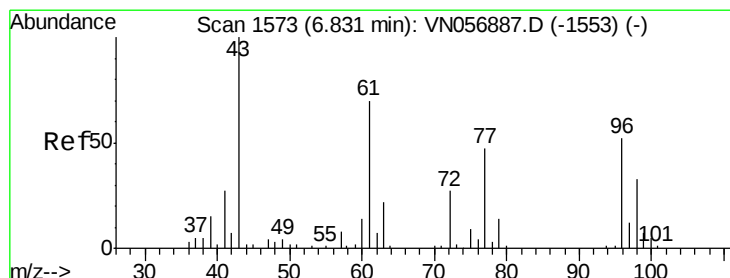
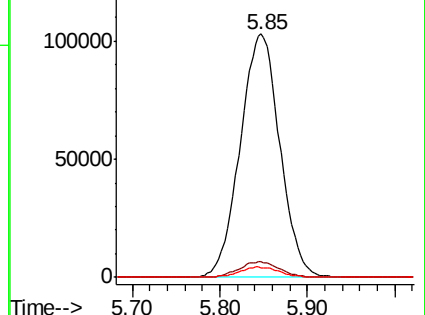
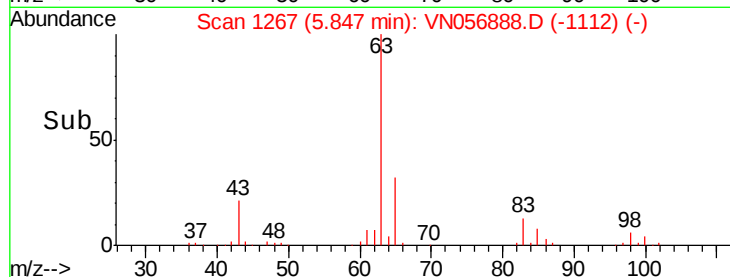
100 4.1 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VN056888.D (-1112) (-)

Ion 98.00 (97.70 to 98.70): VN056888.D (-1112) (-)

Ion 100.00 (99.70 to 100.70): VN056888.D (-1112) (-)



#22

cis-1,2-Dichloroethene

Concen: 46.447 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

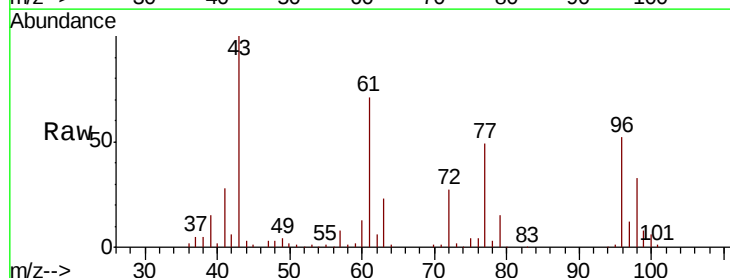
Tgt Ion: 96 Resp: 201770

Ion Ratio Lower Upper

96 100

61 140.5 111.6 167.4

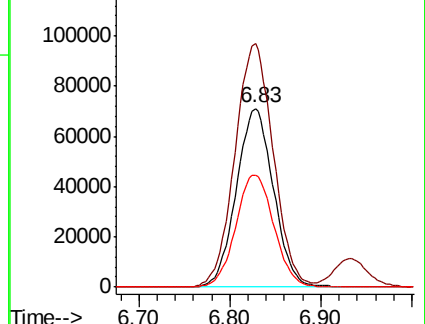
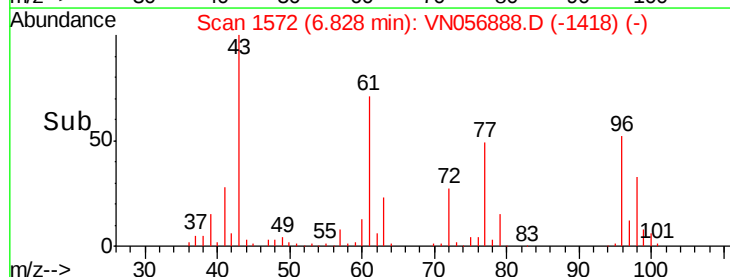
98 64.3 51.0 76.4

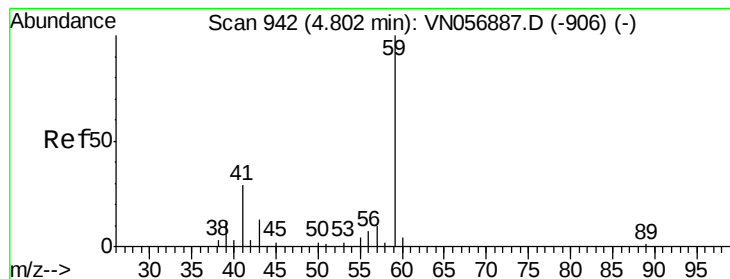


Abundance Ion 96.00 (95.70 to 96.70): VN056888.D (-1418) (-)

Ion 61.00 (60.70 to 61.70): VN056888.D (-1418) (-)

Ion 98.00 (97.70 to 98.70): VN056888.D (-1418) (-)





#23

tert-Butyl Alcohol

Concen: 190.893 ug/l

RT: 4.81 min Scan# 943

Delta R.T. 0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

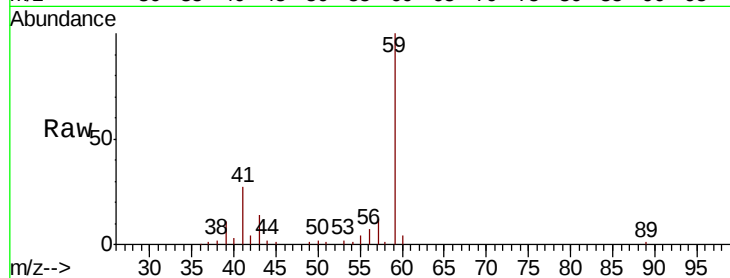
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 59 Resp: 133519

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN056887.D (-906) (-)

Ion 52.00 (51.70 to 52.70): VN056887.D (-906) (-)

100000

80000

60000

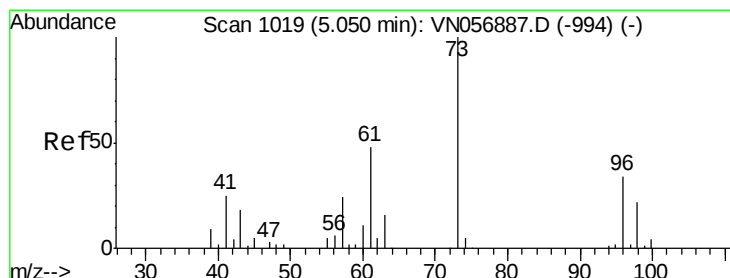
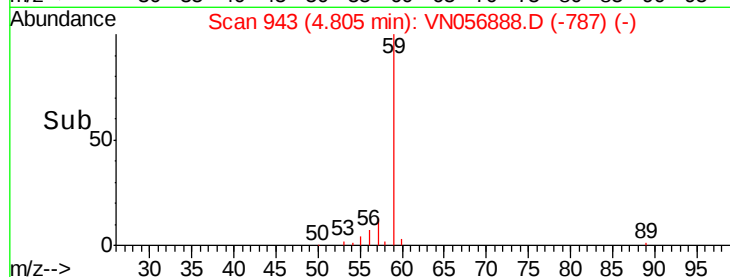
40000

20000

0

4.60 4.70 4.80 4.90

Time-->



#24

Methyl tert-Butyl Ether

Concen: 45.196 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN056888.D

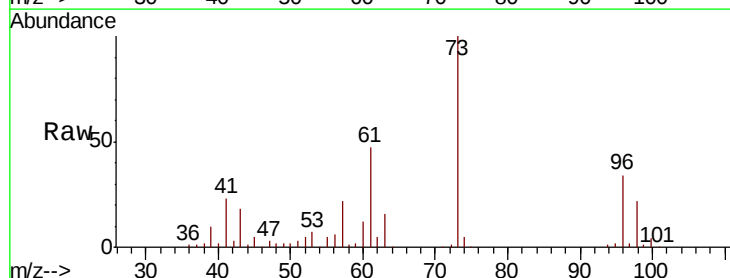
Acq: 23 Jul 2019 19:52

Tgt Ion: 73 Resp: 496114

Ion Ratio Lower Upper

73 100

43 9.4 15.4 23.0#



Abundance Ion 73.00 (72.70 to 73.70): VN056887.D (-994) (-)

Ion 43.00 (42.70 to 43.70): VN056887.D (-994) (-)

150000

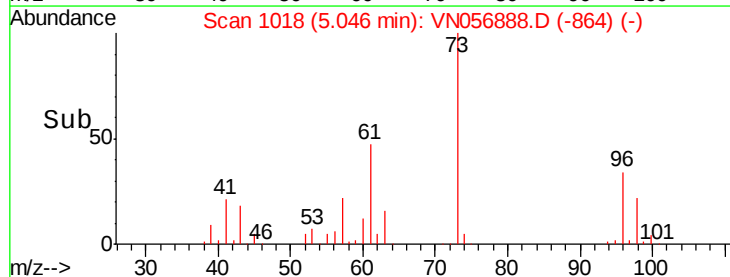
100000

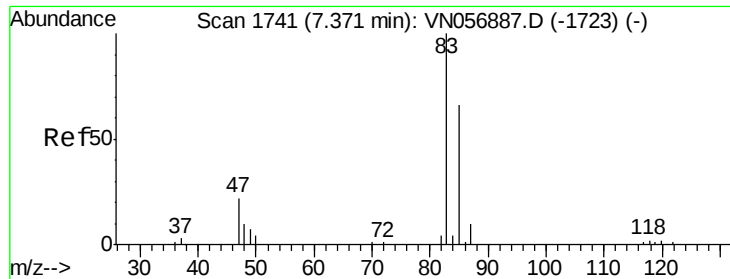
50000

0

4.90 5.00 5.10 5.20

Time-->

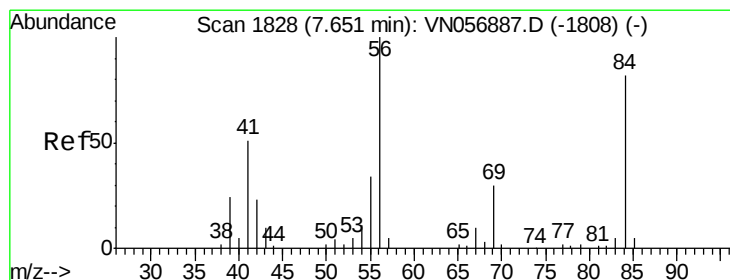
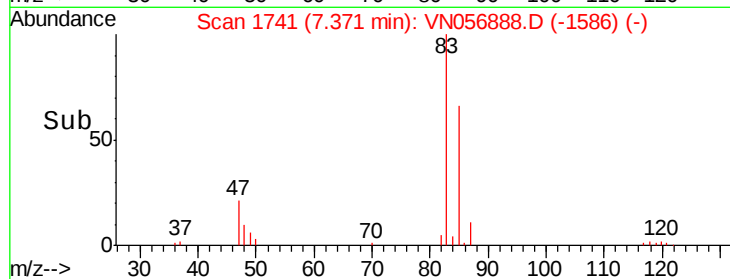
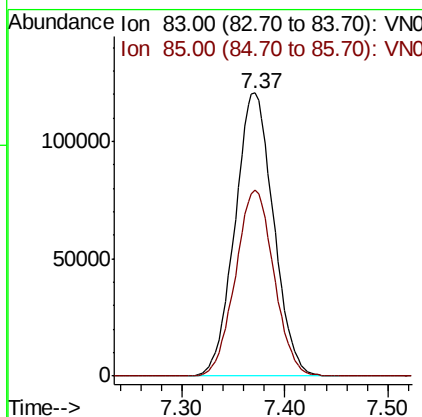
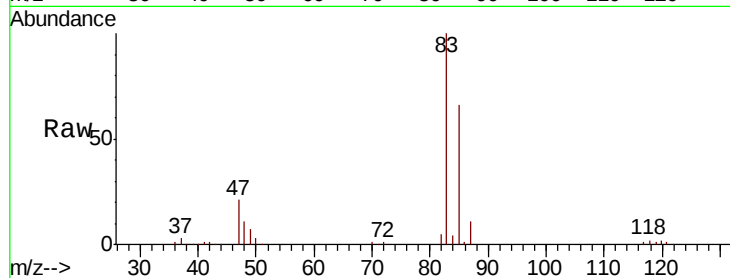




#25
Chloroform
Concen: 46.669 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

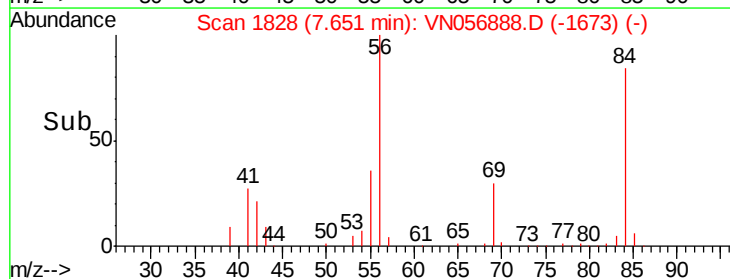
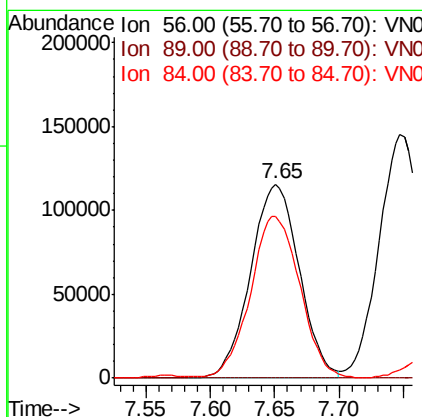
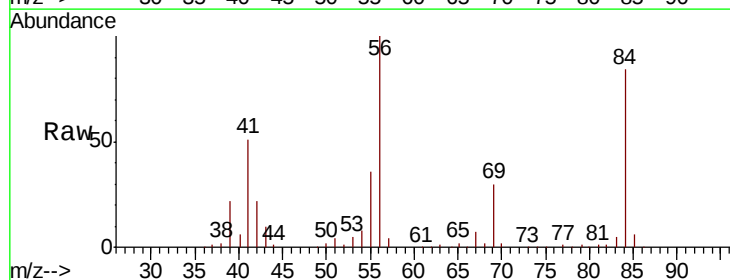
Instrument :
MSVOA_N
ClientSampled :

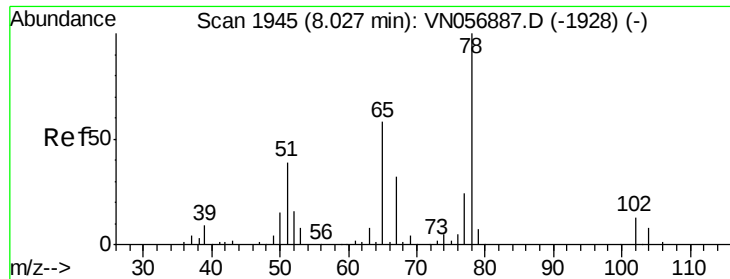
Tot Ion: 83 Resp: 313747
Ion Ratio Lower Upper
83 100
85 65.7 53.1 79.7



#26
Cyclohexane
Concen: 47.778 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Tgt Ion: 56 Resp: 304349
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 84.6 67.8 101.6





#27

1,2-Dichloroethane-d4

Concen: 29.156 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

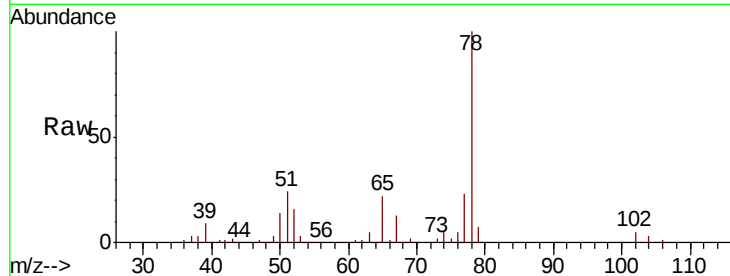
ClientSampleId :

Tot Ion: 65 Resp: 118297

Ion Ratio Lower Upper

65 100

67 55.6 44.6 66.8



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

8.03

50000

40000

30000

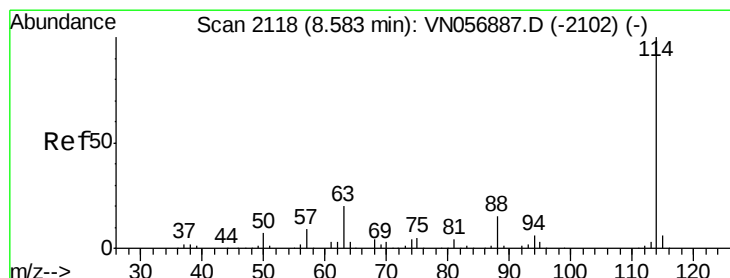
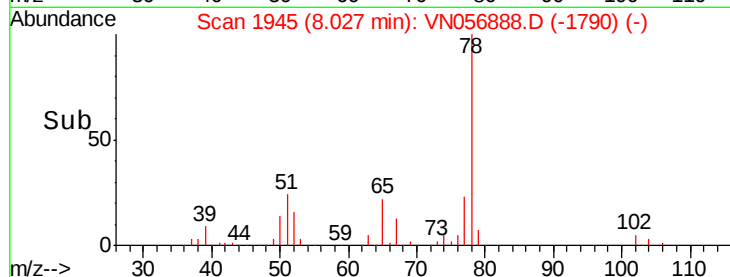
20000

10000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

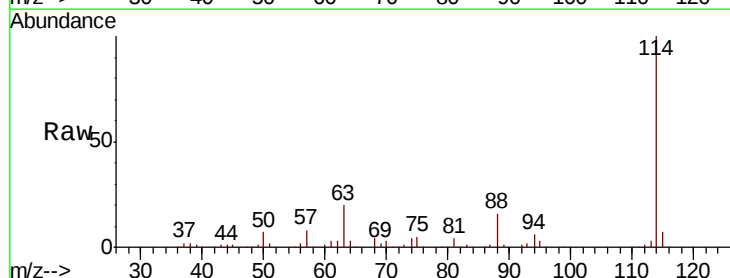
Tgt Ion: 114 Resp: 324153

Ion Ratio Lower Upper

114 100

63 19.7 15.8 23.6

88 15.7 12.5 18.7



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

200000

150000

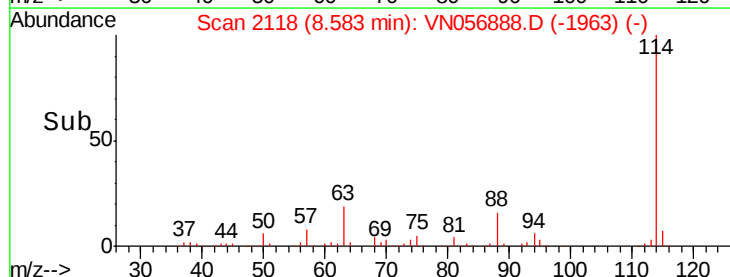
100000

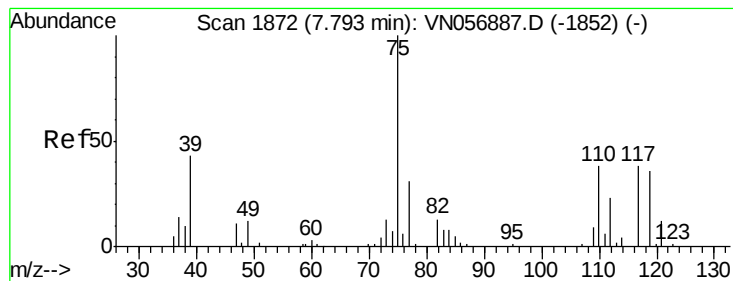
50000

0

8.50 8.60 8.70

Time-->





#29

1,1-Dichloropropene

Concen: 48.840 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

ClientSampleId :

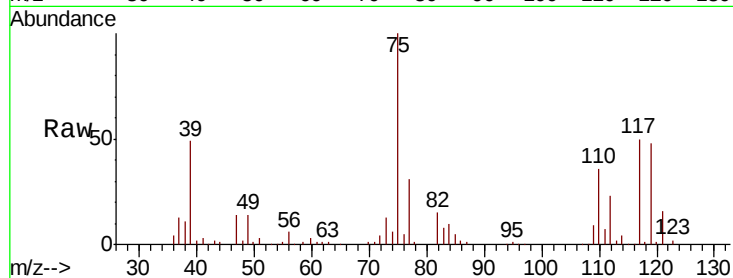
Tot Ion: 75 Resp: 243390

Ion Ratio Lower Upper

75 100

110 36.1 0.0 75.8

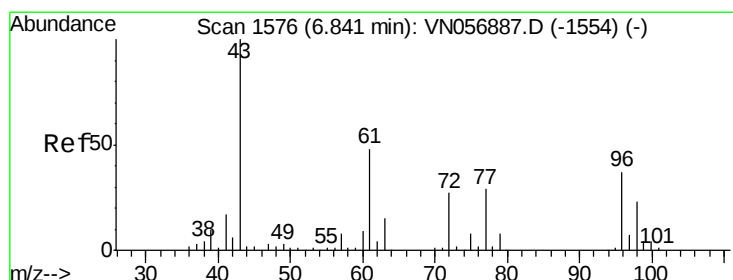
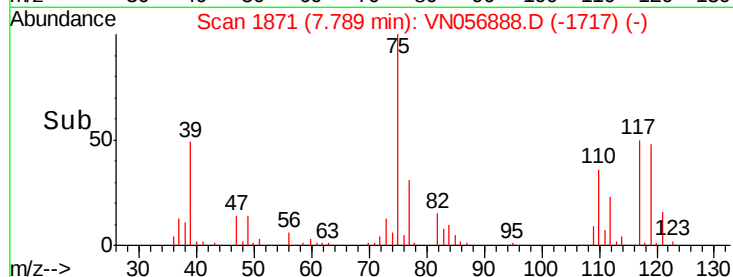
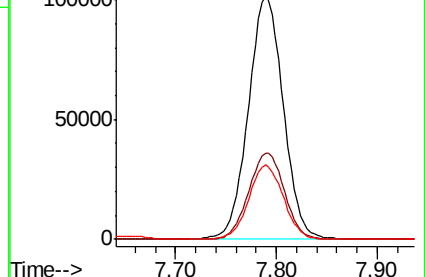
77 30.5 0.0 64.0



Abundance Ion 75.00 (74.70 to 75.70): VN056888.D (-1852) (-)

Ion 110.00 (109.70 to 110.70): VN056888.D (-1852) (-)

Ion 77.00 (76.70 to 77.70): VN056888.D (-1852) (-)



#30

2-Butanone

Concen: 177.769 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

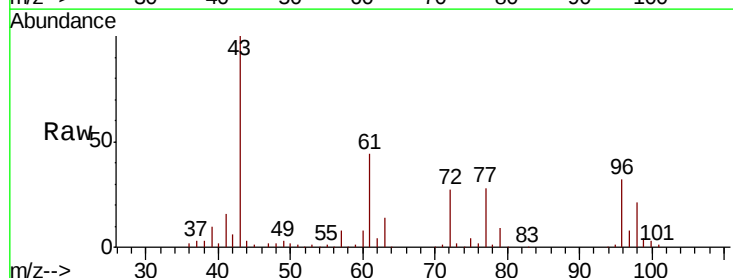
Tgt Ion: 43 Resp: 480998

Ion Ratio Lower Upper

43 100

57 8.3 6.5 9.7

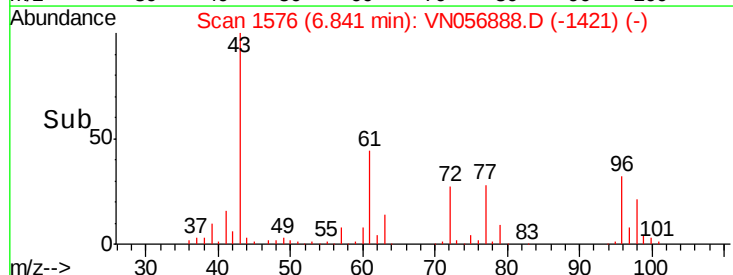
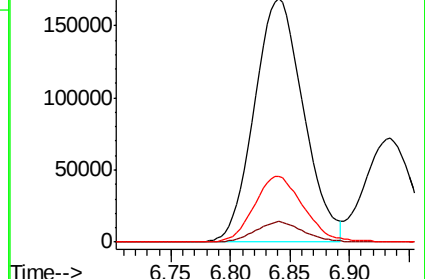
72 27.2 22.1 33.1

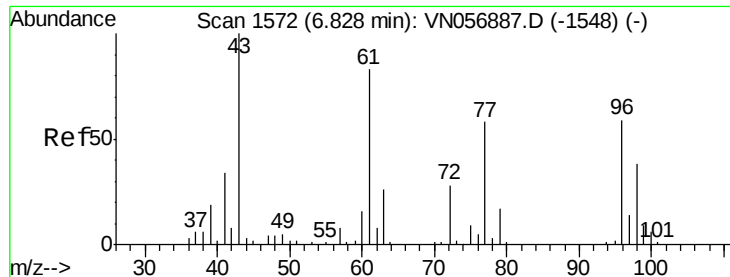


Abundance Ion 43.00 (42.70 to 43.70): VN056888.D (-1421) (-)

Ion 57.00 (56.70 to 57.70): VN056888.D (-1421) (-)

Ion 72.00 (71.70 to 72.70): VN056888.D (-1421) (-)





#31

2,2-Dichloropropane

Concen: 45.775 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

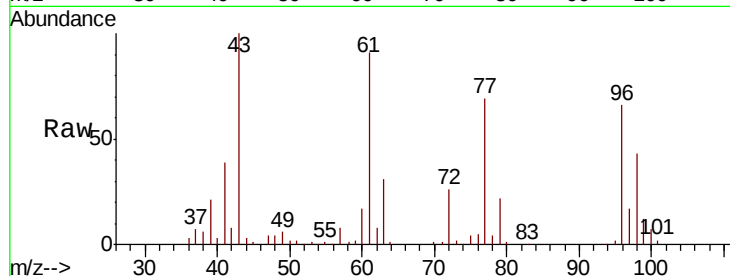
ClientSampled :

Tot Ion: 77 Resp: 220178

Ion Ratio Lower Upper

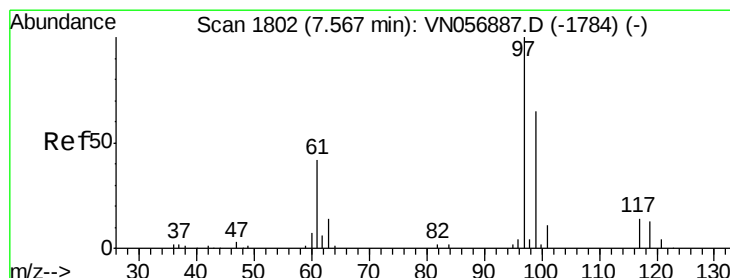
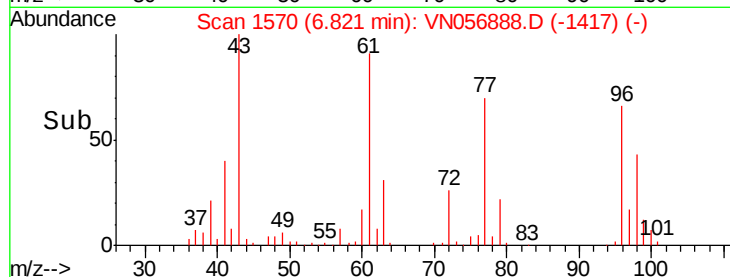
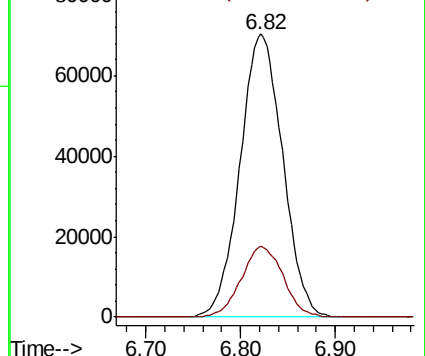
77 100

97 24.6 19.3 28.9



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 48.876 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

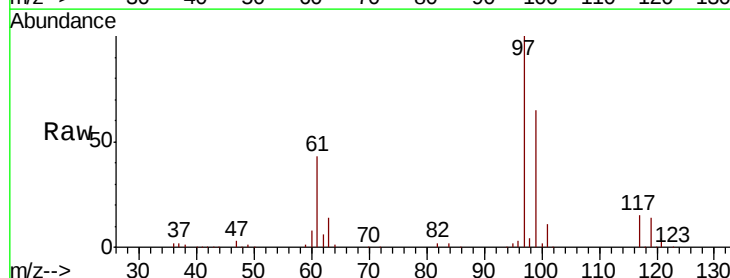
Tgt Ion: 97 Resp: 262102

Ion Ratio Lower Upper

97 100

99 65.0 52.3 78.5

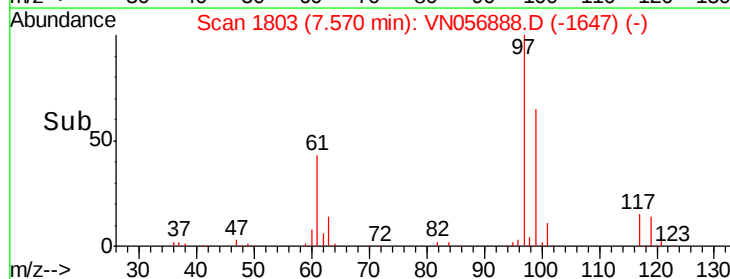
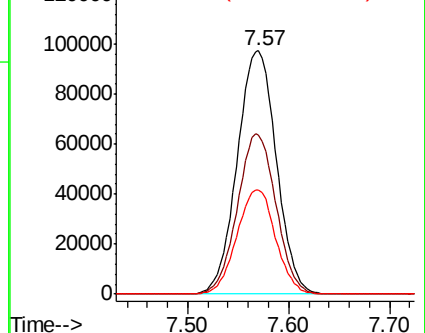
61 42.6 34.4 51.6

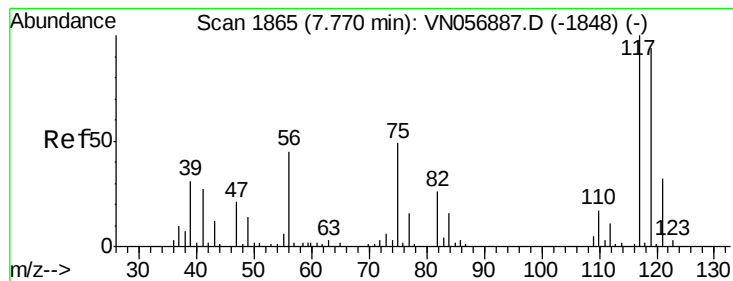


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#33

Carbon Tetrachloride

Concen: 49.525 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

ClientSampled :

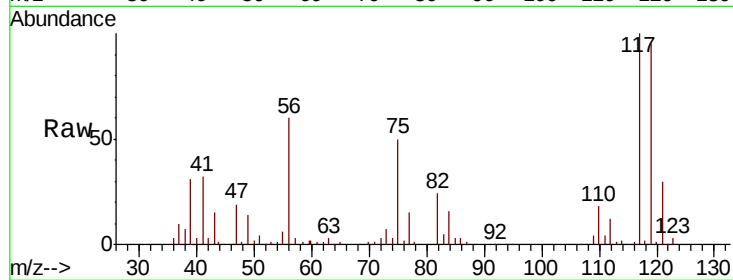
Tot Ion:117 Resp: 228401

Ion Ratio Lower Upper

117 100

119 95.1 75.1 112.7

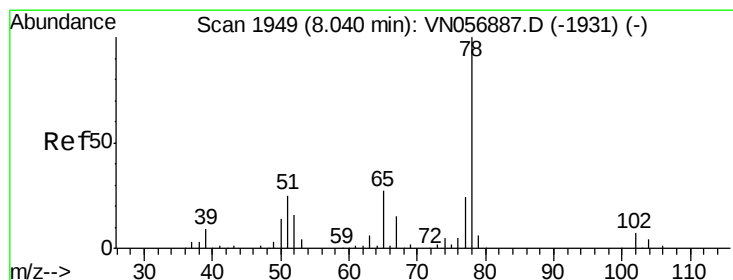
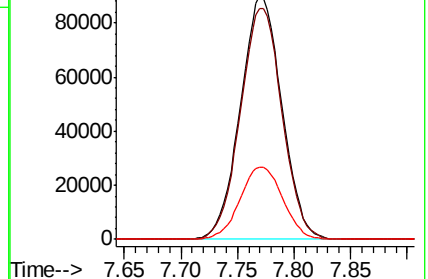
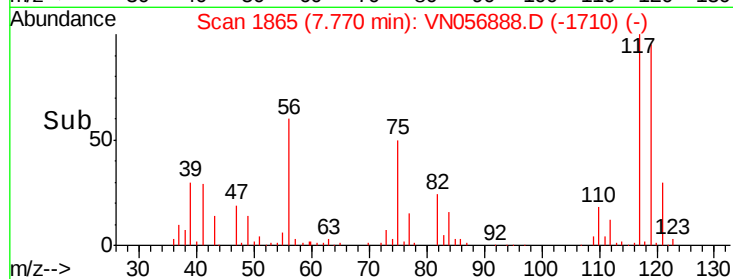
121 29.8 25.8 38.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 48.291 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

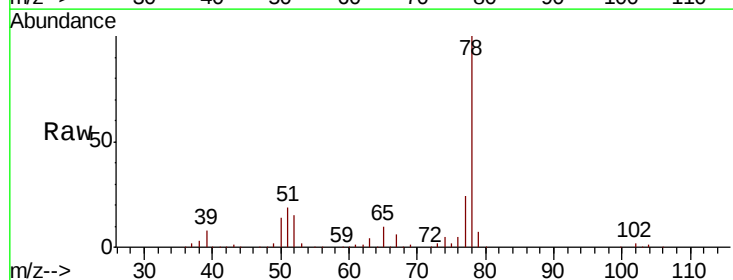
Tgt Ion: 78 Resp: 745547

Ion Ratio Lower Upper

78 100

77 23.7 19.4 29.2

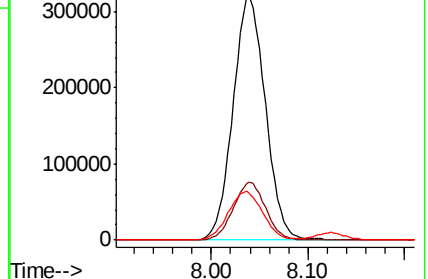
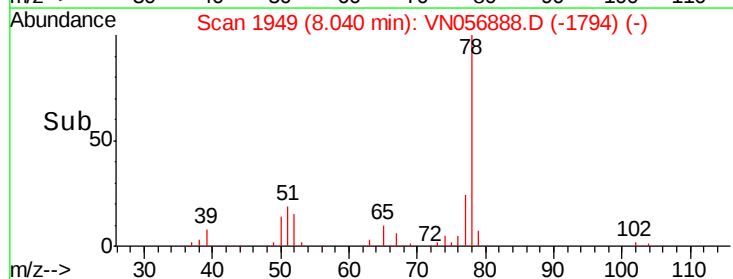
51 19.1 20.4 30.6#

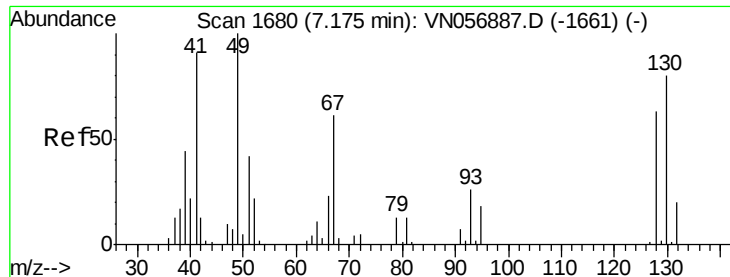


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

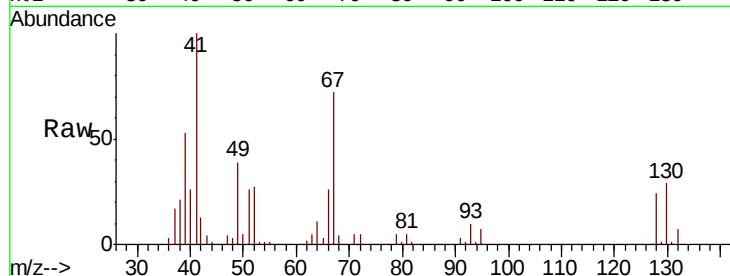




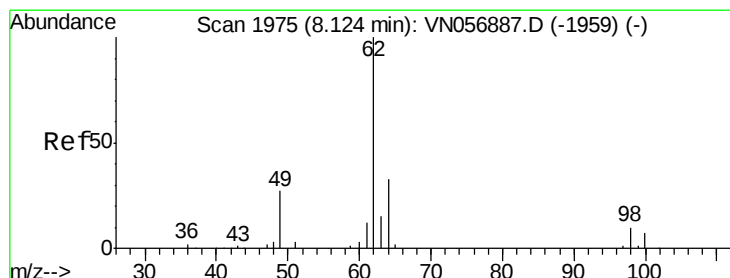
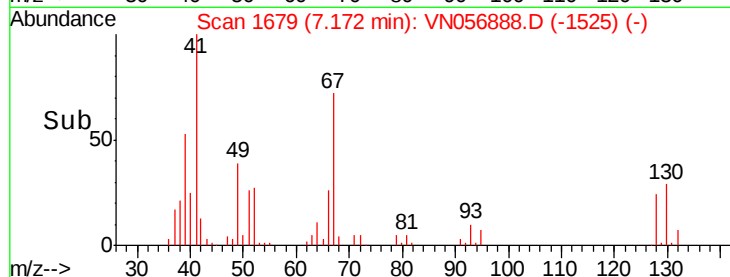
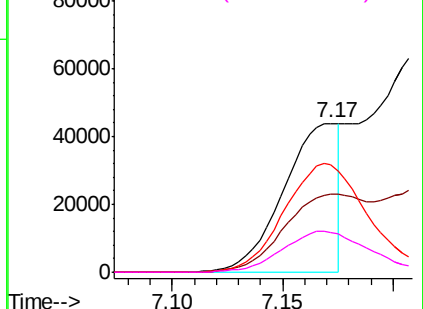
#35
Methacrylonitrile
Concen: 33.607 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 76117
Ion Ratio Lower Upper
41 100
39 52.2 24.4 73.2
67 71.8 33.4 100.1
52 26.4 12.1 36.3

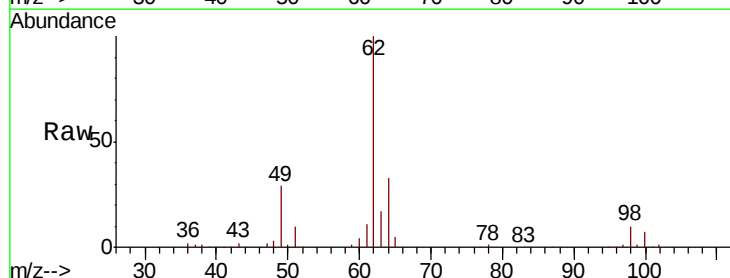


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

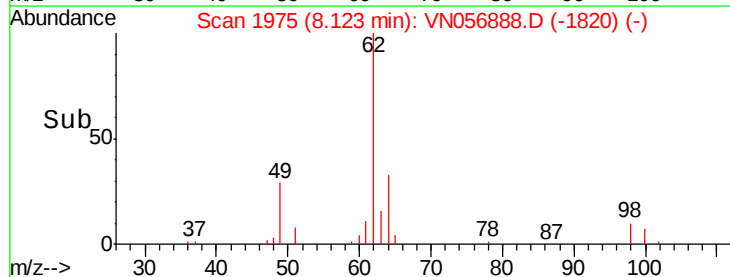
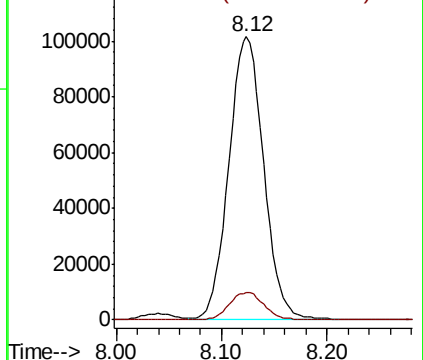


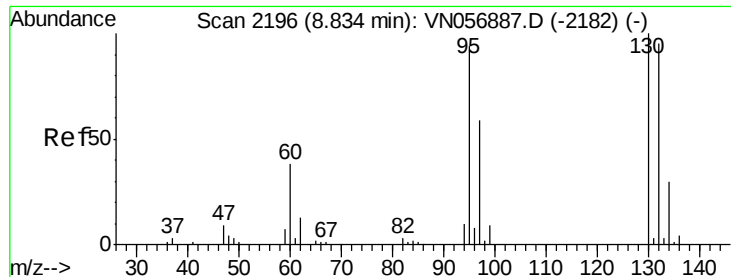
#36
1,2-Dichloroethane
Concen: 46.962 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Tgt Ion: 62 Resp: 231429
Ion Ratio Lower Upper
62 100
98 9.7 7.7 11.5



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

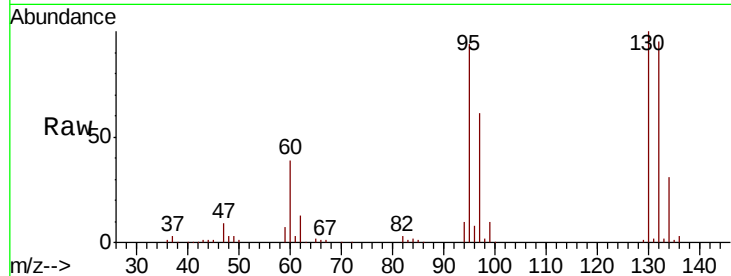




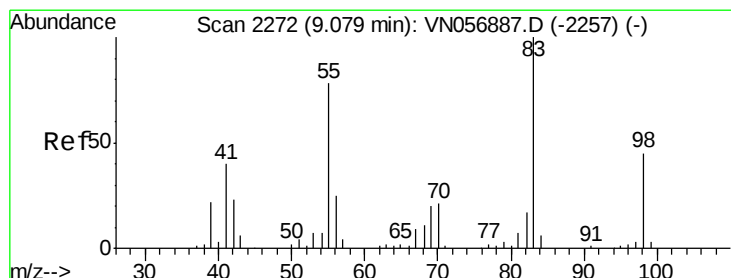
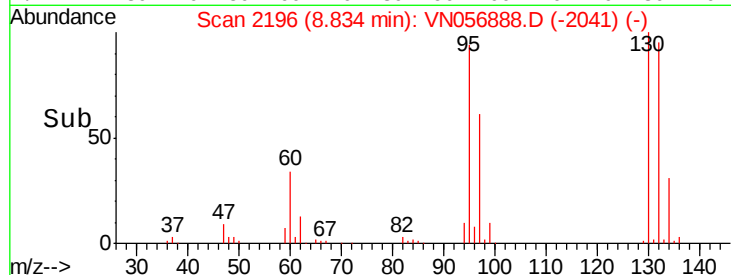
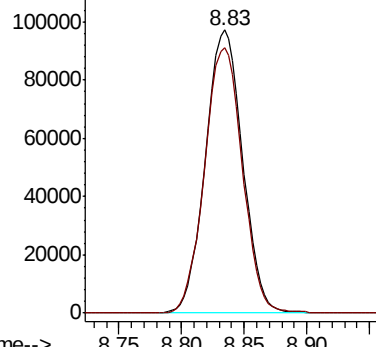
#37
 Trichloroethene
 Concen: 48.064 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:130 Resp: 200566
 Ion Ratio Lower Upper
 130 100
 95 93.6 74.9 112.3

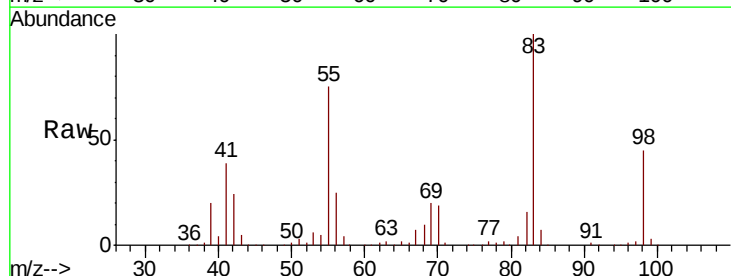


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

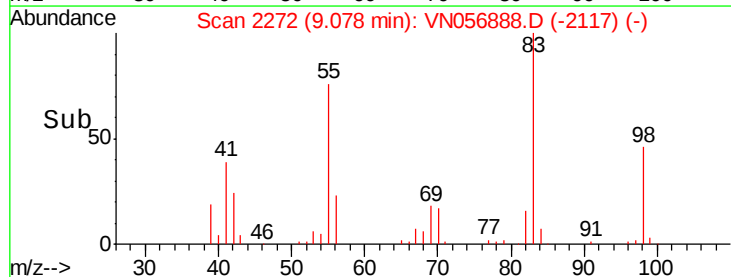
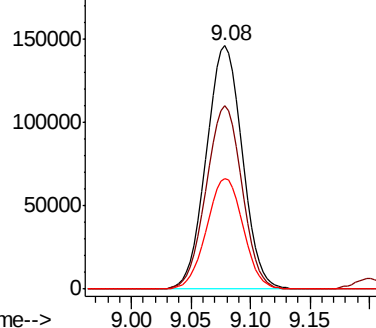


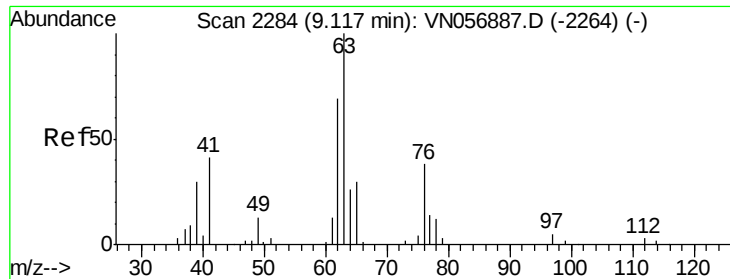
#38
 Methylcyclohexane
 Concen: 48.959 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

Tgt Ion: 83 Resp: 307397
 Ion Ratio Lower Upper
 83 100
 55 75.0 38.4 115.1
 98 46.1 22.7 68.0



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

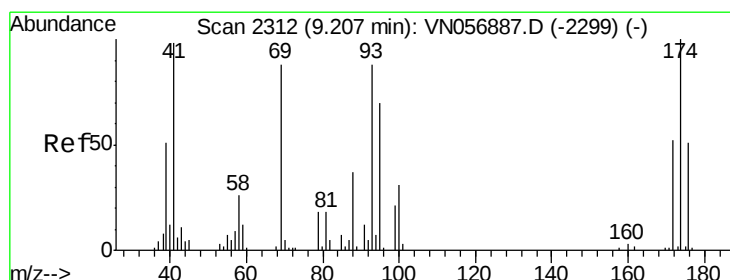
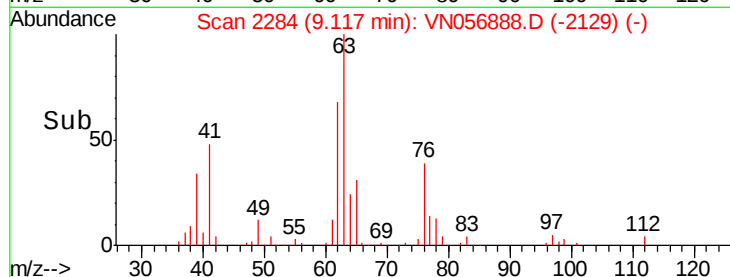
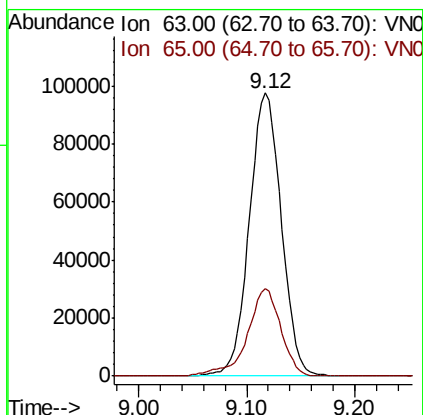
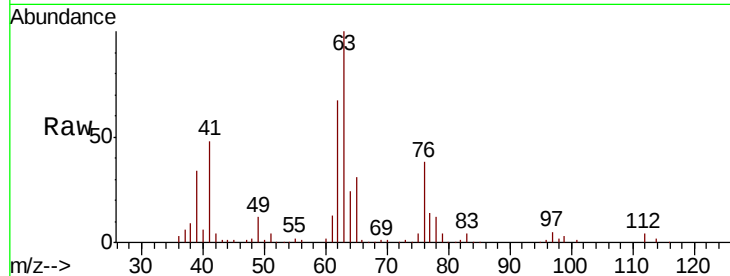




#39
 1,2-Dichloropropane
 Concen: 48.657 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

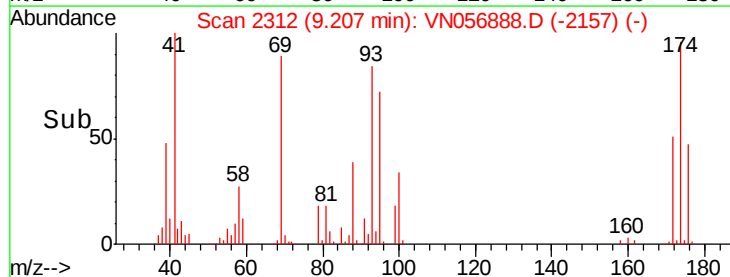
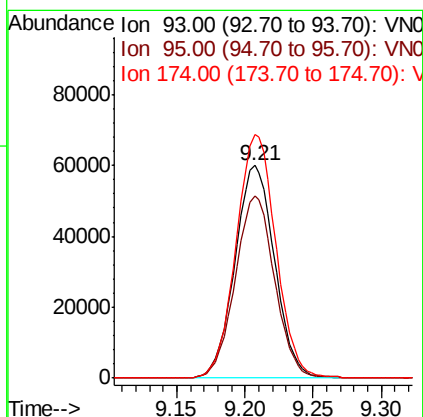
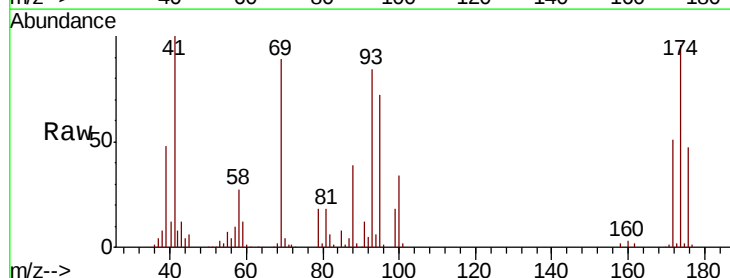
Instrument :
 MSVOA_N
 ClientSampleId :

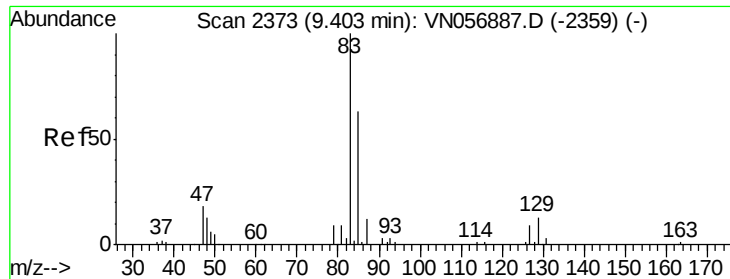
Tot Ion: 63 Resp: 201165
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.6 36.8



#40
 Dibromomethane
 Concen: 46.304 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

Tgt Ion: 93 Resp: 121376
 Ion Ratio Lower Upper
 93 100
 95 84.8 0.0 165.8
 174 115.1 0.0 232.4





#41

Bromodichloromethane

Concen: 49.120 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

ClientSampleId :

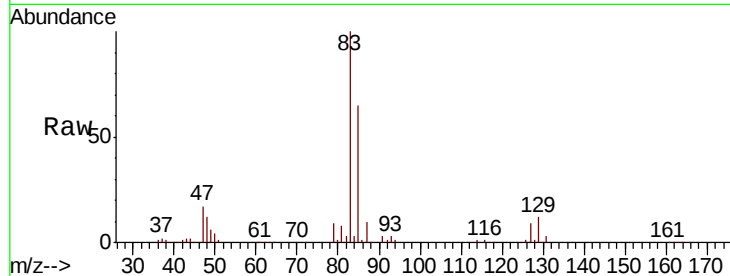
Tot Ion: 83 Resp: 238694

Ion Ratio Lower Upper

83 100

85 65.2 50.6 75.8

127 9.3 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0

150000

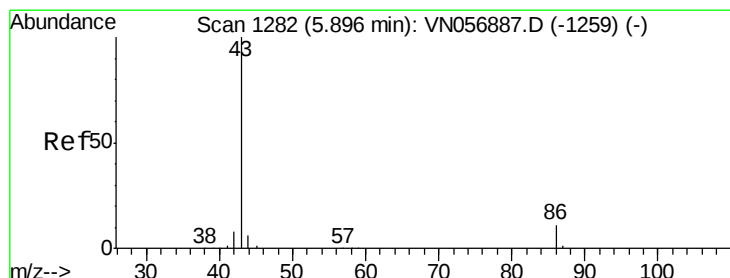
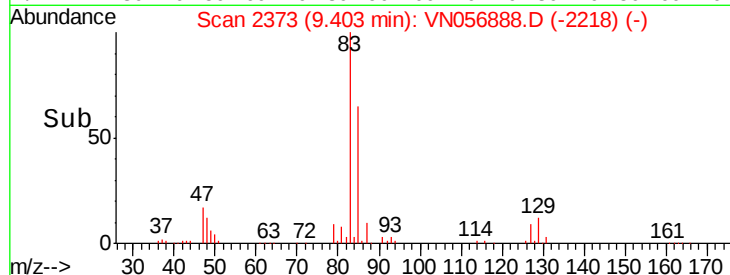
9.40

100000

50000

0

Time-->



#42

Vinyl Acetate

Concen: 230.244 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN056888.D

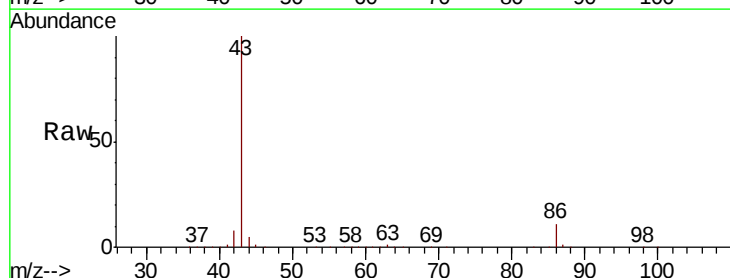
Acq: 23 Jul 2019 19:52

Tgt Ion: 43 Resp: 2187708

Ion Ratio Lower Upper

43 100

86 9.3 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

600000

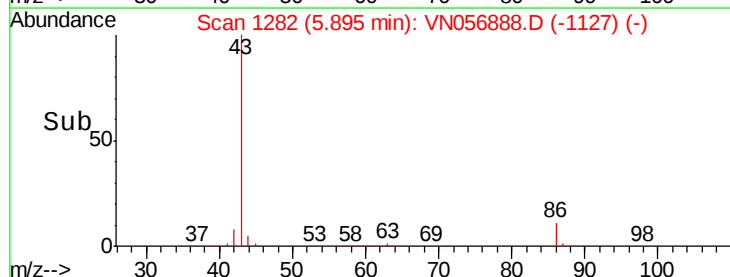
5.90

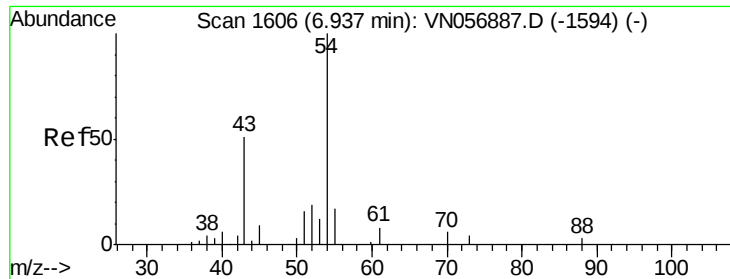
400000

200000

0

Time-->

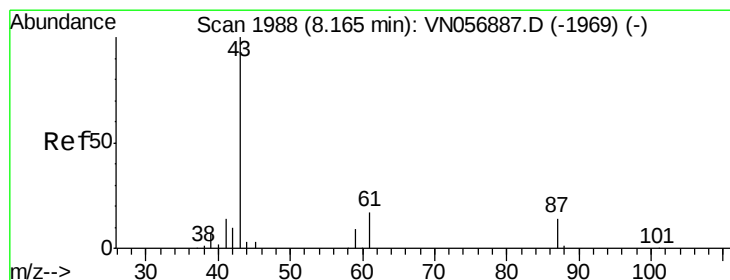
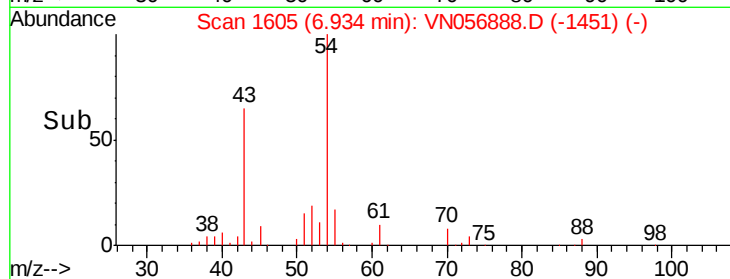
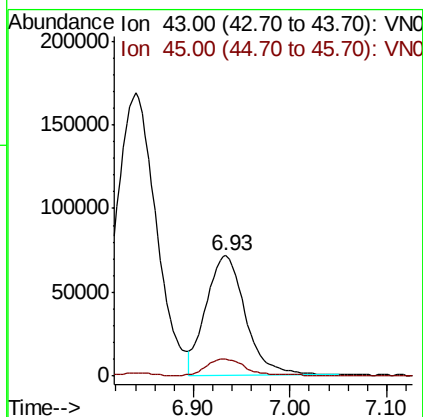
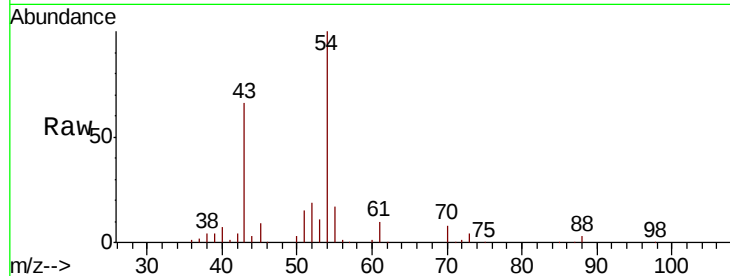




#43
Ethyl Acetate
Concen: 40.244 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

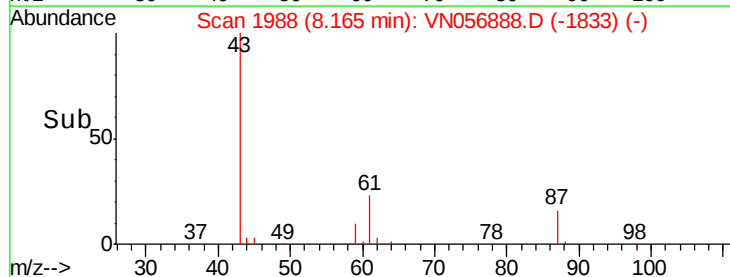
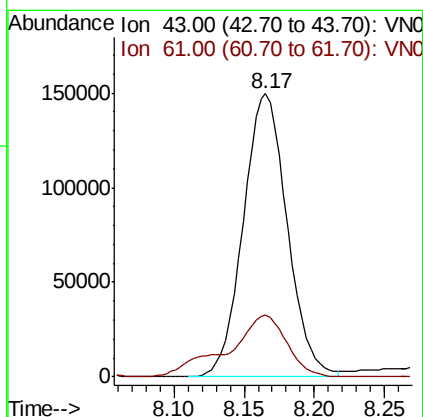
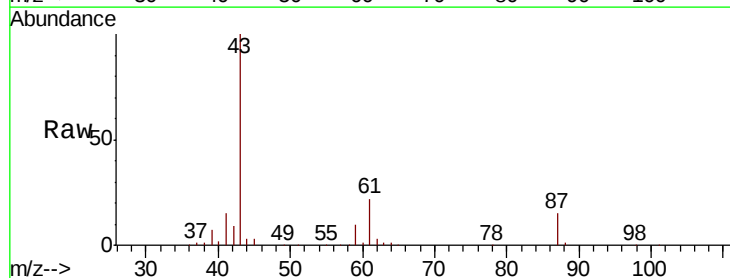
Instrument :
MSVOA_N
ClientSampled :

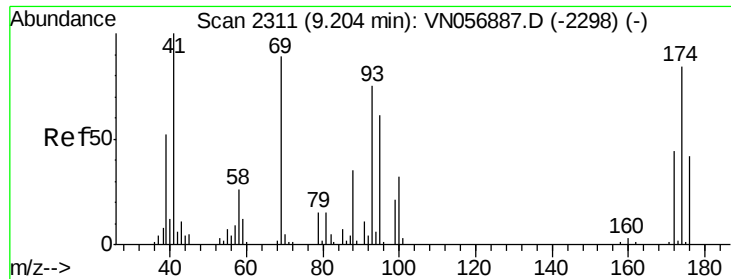
Tot Ion: 43 Resp: 201886
Ion Ratio Lower Upper
43 100
45 13.4 10.2 15.2



#44
Isopropyl Acetate
Concen: 40.563 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Tgt Ion: 43 Resp: 324222
Ion Ratio Lower Upper
43 100
61 22.2 23.0 34.4#

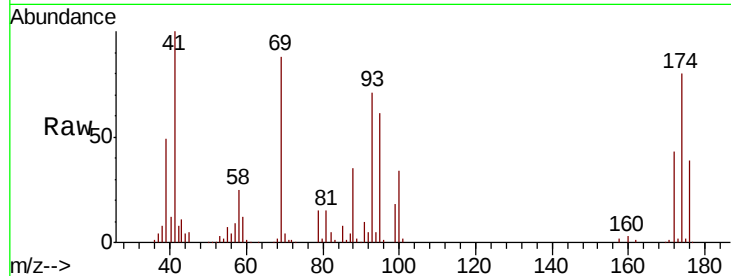




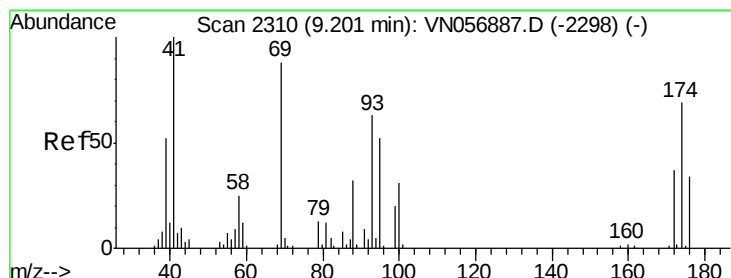
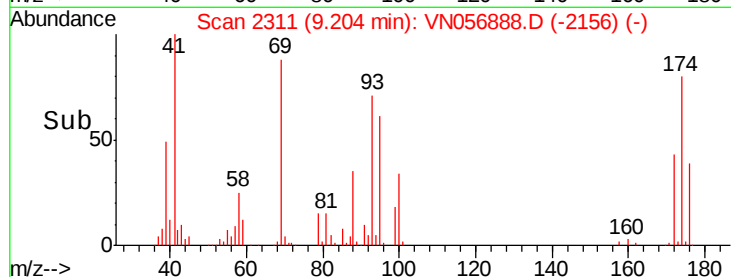
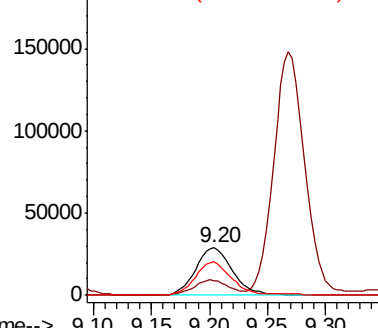
#45
 1,4-Dioxane
 Concen: 818.310 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	88	Resp	64596
Ion	Ratio	Lower	Upper
88	100		
43	28.2	23.4	35.0
58	67.9	58.5	87.7

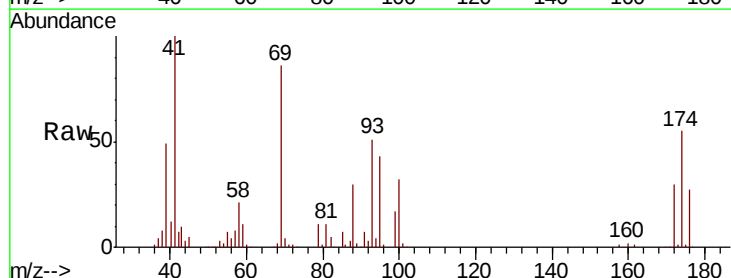


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

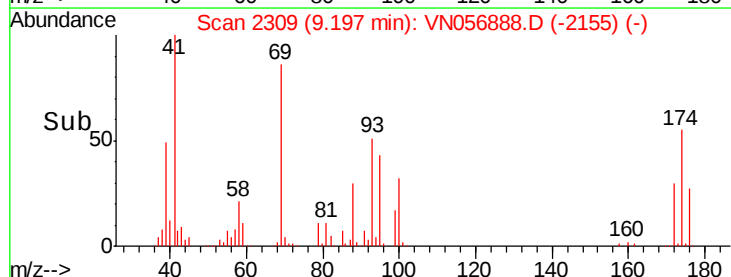
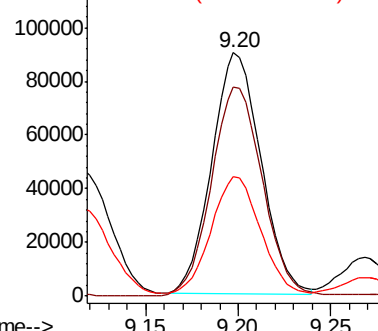


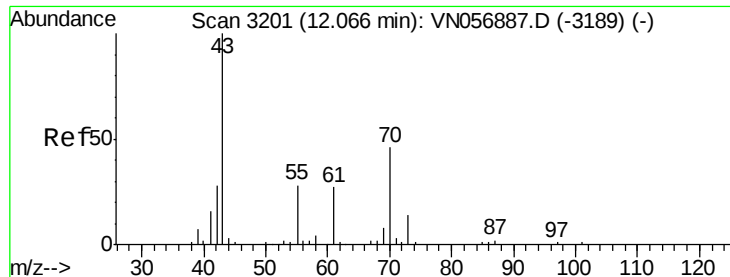
#46
 Methyl methacrylate
 Concen: 43.051 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

Tgt Ion	41	Resp	164891
Ion	Ratio	Lower	Upper
41	100		
69	86.6	44.0	132.0
39	48.8	25.8	77.4



Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0

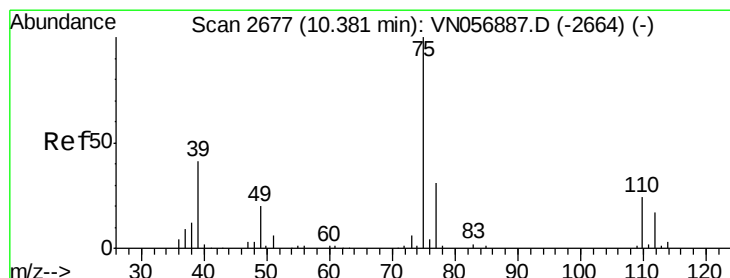
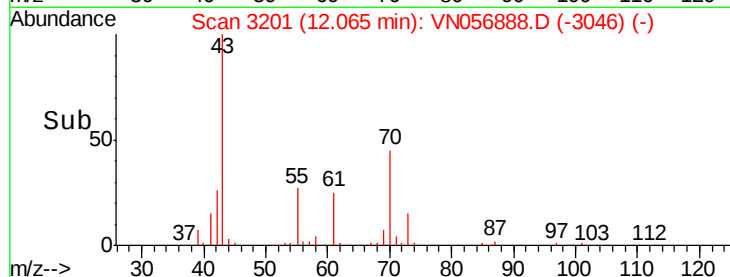
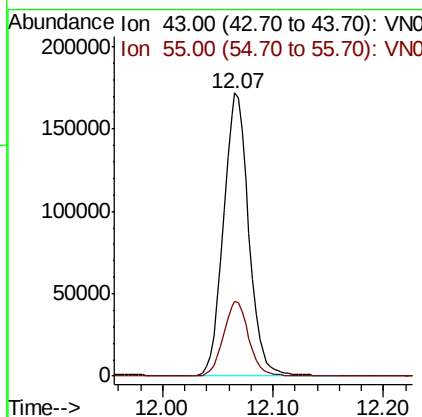
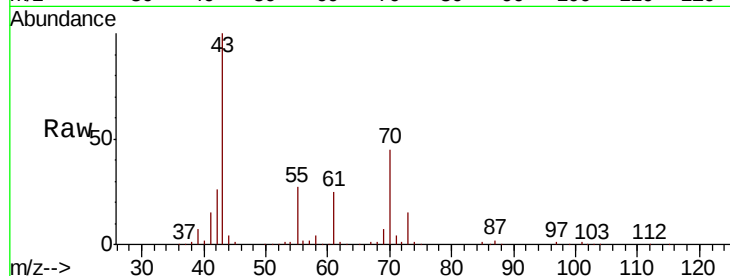




#47
 n-amvl Acetate
 Concen: 41.839 ug/l
 RT: 12.07 min Scan# 3201
 Delta R.T. -0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

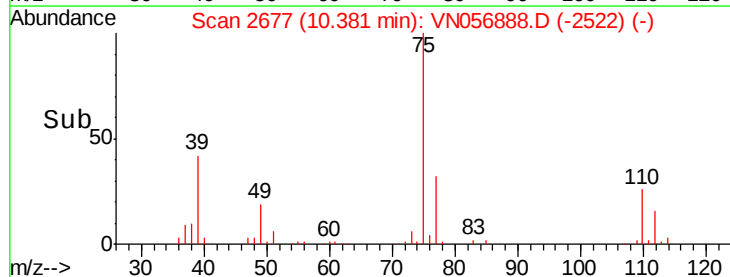
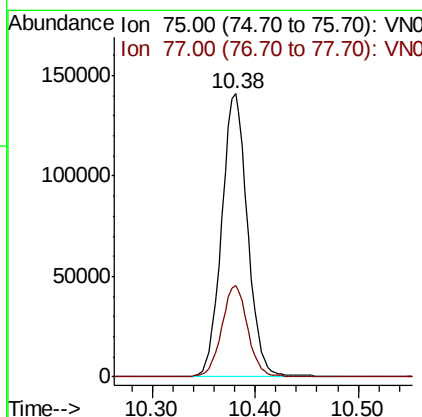
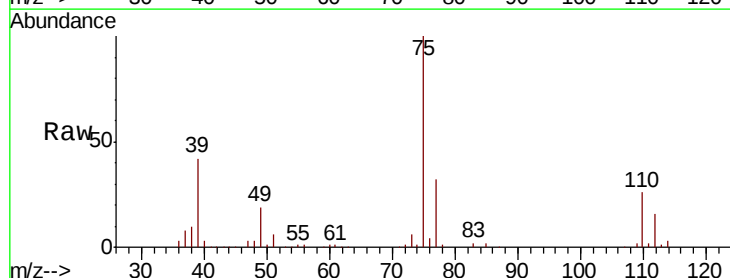
Instrument :
 MSVOA_N
 ClientSampleId :

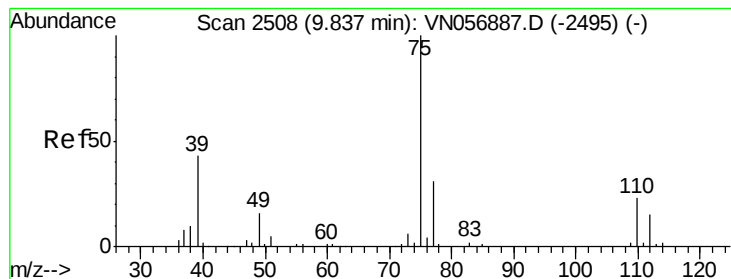
Tot Ion: 43 Resp: 271230
 Ion Ratio Lower Upper
 43 100
 55 26.5 21.3 31.9



#48
 t-1,3-Dichloropropene
 Concen: 46.466 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

Tgt Ion: 75 Resp: 246304
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.4 38.0



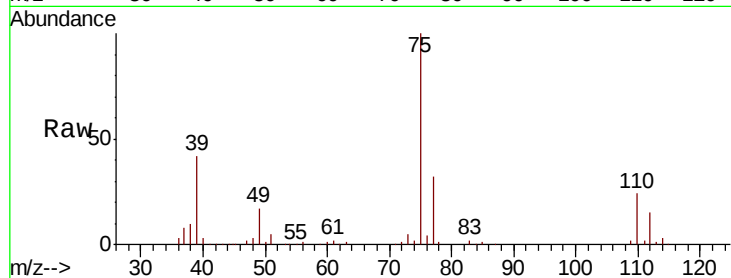


#49

cis-1,3-Dichloropropene
Concen: 47.830 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.4	36.6
39	41.9	34.2	51.4

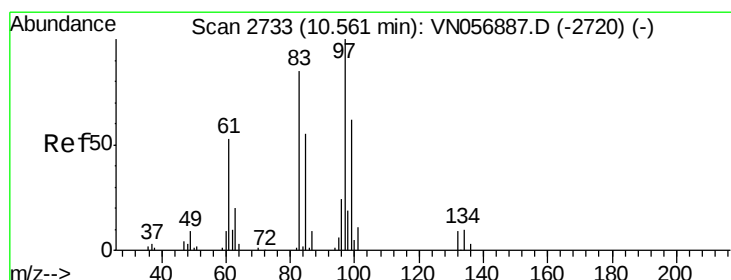
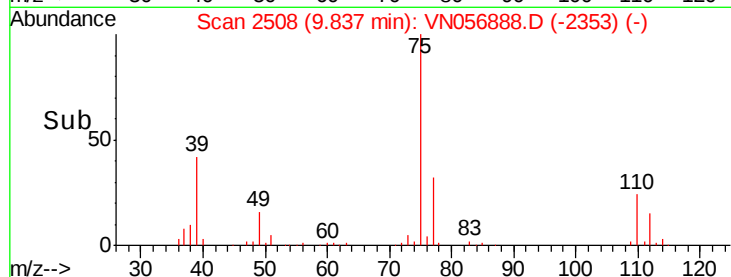
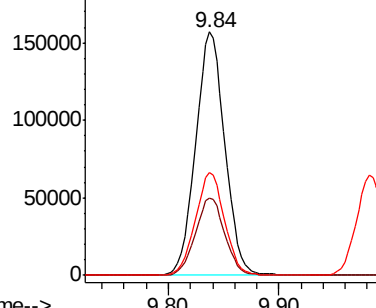


Abundance

Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#50

1,1,2-Trichloroethane
Concen: 45.689 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.4	102.6
85	54.9	44.3	66.5
99	62.7	49.4	74.2

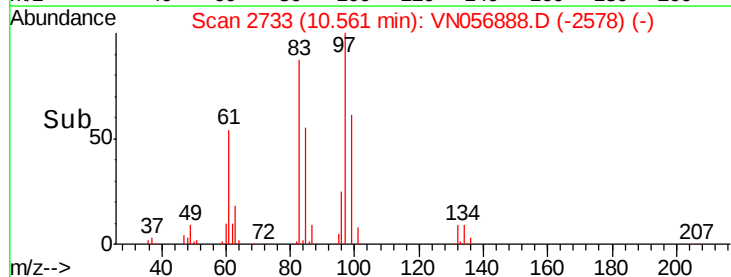
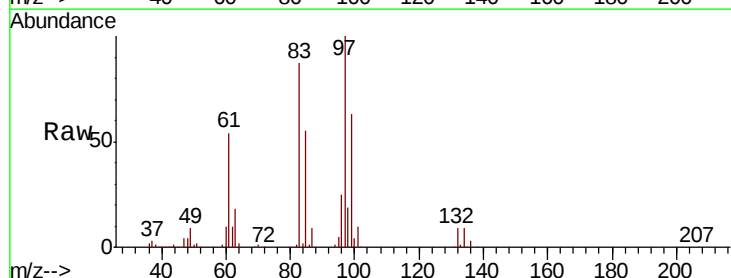
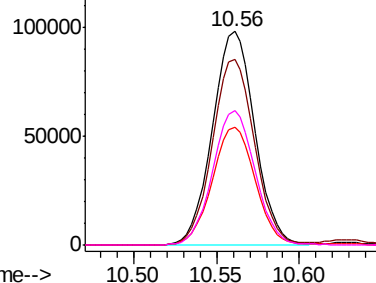
Abundance

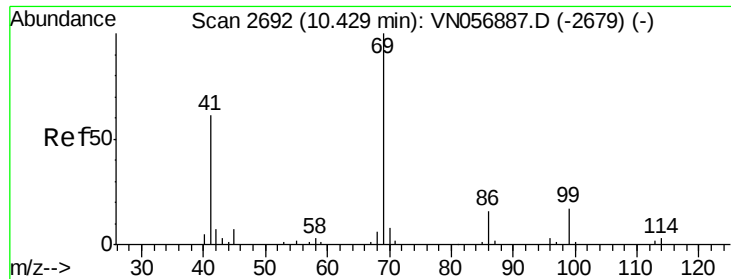
Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0





#51

Ethyl methacrylate

Concen: 44.541 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

ClientSampled :

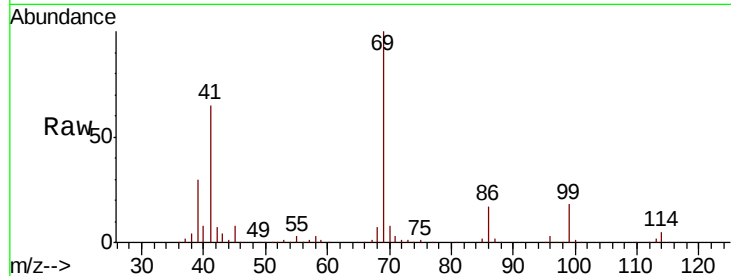
Tot Ion: 69 Resp: 258944

Ion Ratio Lower Upper

69 100

41 64.4 30.4 91.3

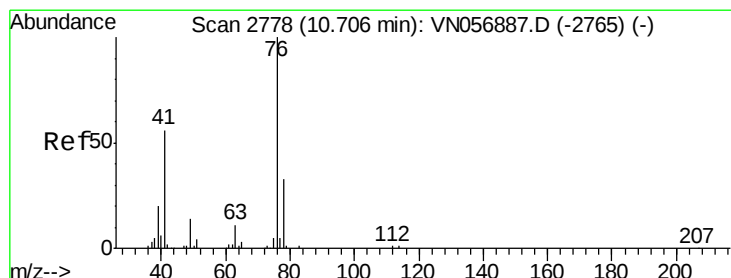
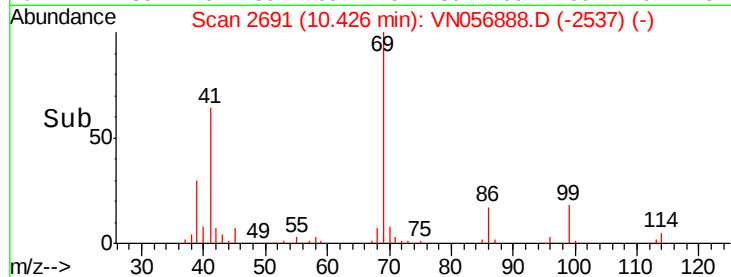
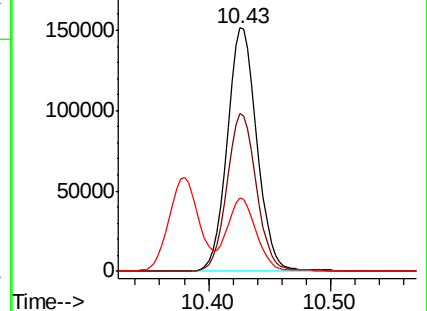
39 29.9 14.2 42.6



Abundance Ion 69.00 (68.70 to 69.70): VN056888.D (-2679) (-)

Ion 41.00 (40.70 to 41.70): VN056888.D (-2679) (-)

Ion 39.00 (38.70 to 39.70): VN056888.D (-2679) (-)



#52

1,3-Dichloropropane

Concen: 46.536 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056888.D

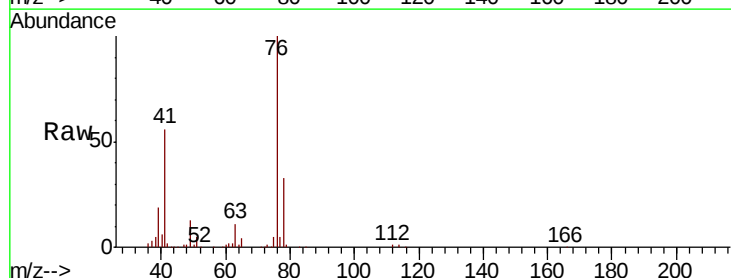
Acq: 23 Jul 2019 19:52

Tgt Ion: 76 Resp: 296359

Ion Ratio Lower Upper

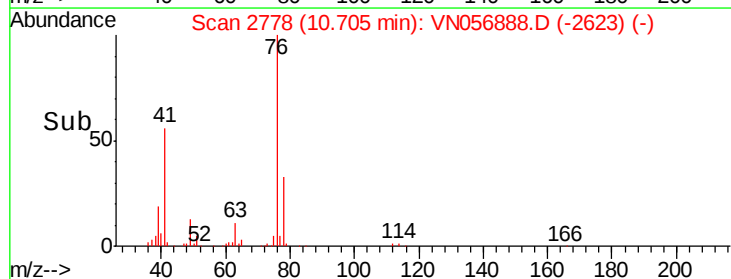
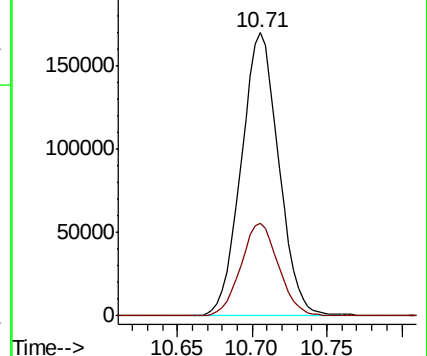
76 100

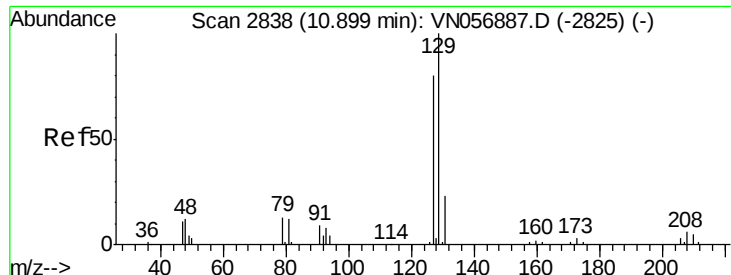
78 32.9 0.0 64.2



Abundance Ion 76.00 (75.70 to 76.70): VN056888.D (-2623) (-)

Ion 78.00 (77.70 to 78.70): VN056888.D (-2623) (-)

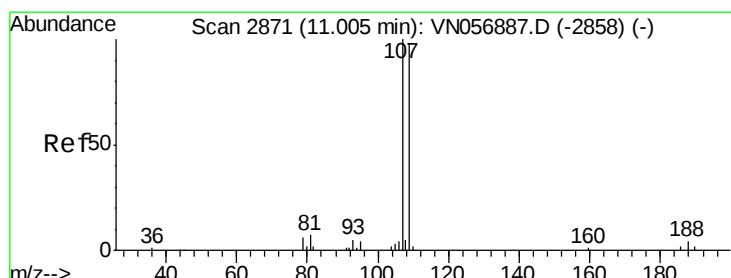
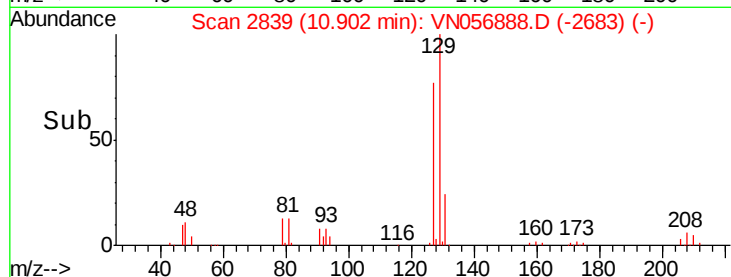
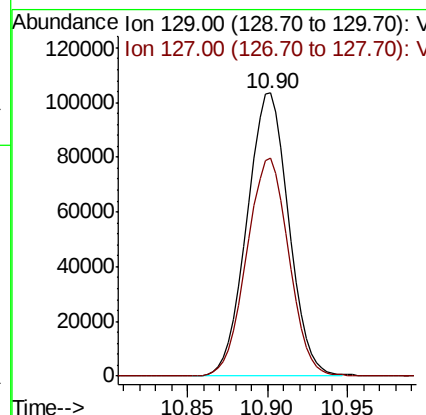
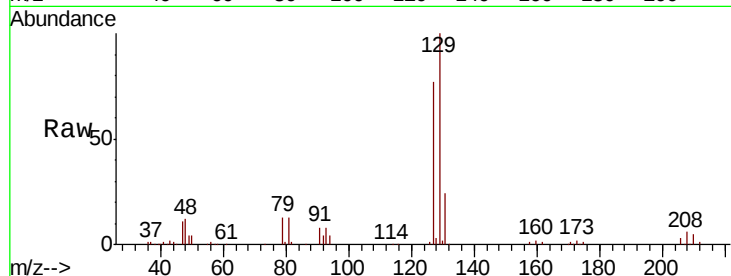




#53
 Dibromochloromethane
 Concen: 47.619 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

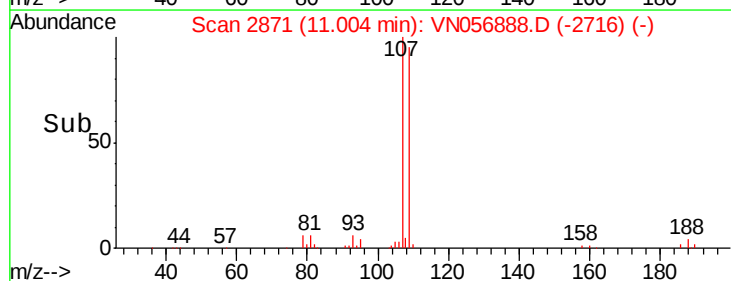
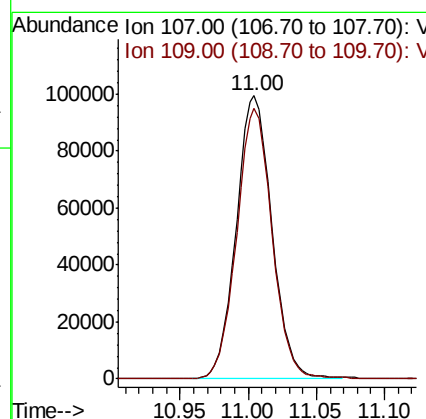
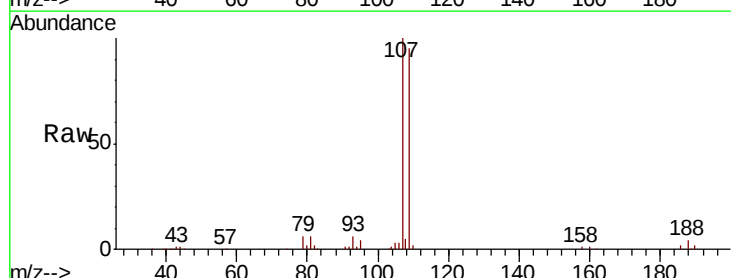
Instrument :
 MSVOA_N
 ClientSampleId :

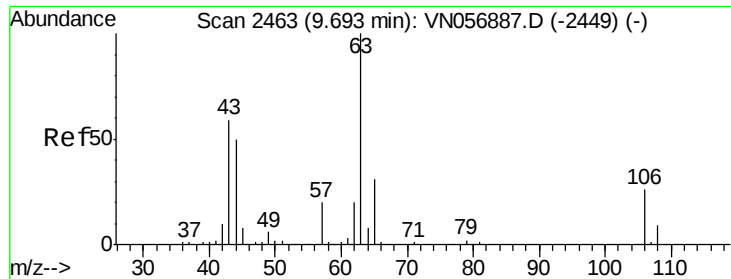
Tot Ion:129 Resp: 184835
 Ion Ratio Lower Upper
 129 100
 127 77.7 38.8 116.4



#54
 1,2-Dibromoethane
 Concen: 45.580 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

Tgt Ion:107 Resp: 180257
 Ion Ratio Lower Upper
 107 100
 109 94.9 76.2 114.2

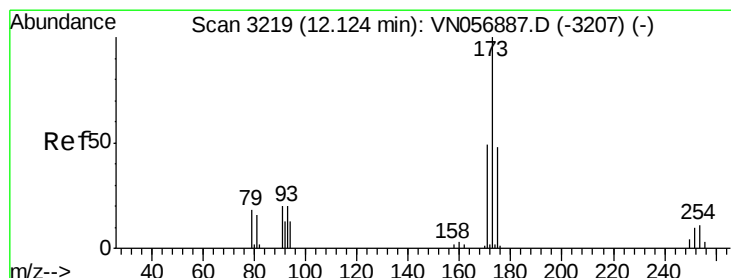
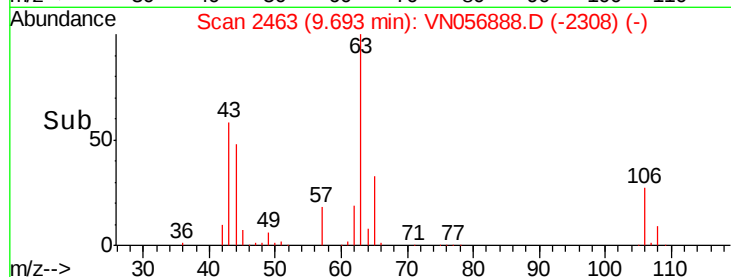
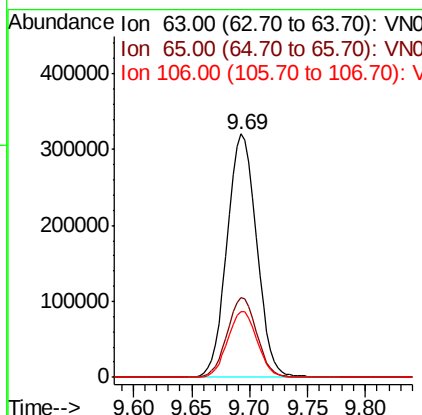
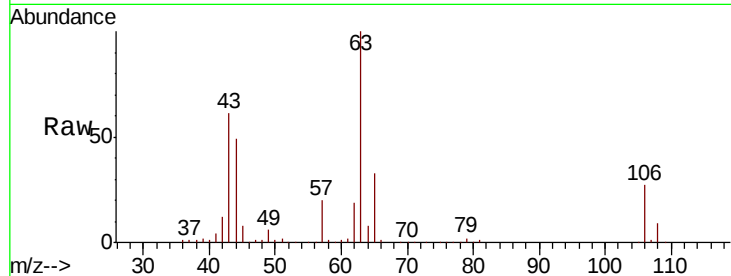




#55
2-Chloroethyl vinyl ether
Concen: 205.049 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

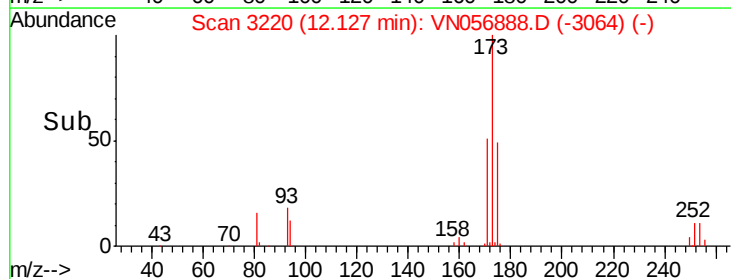
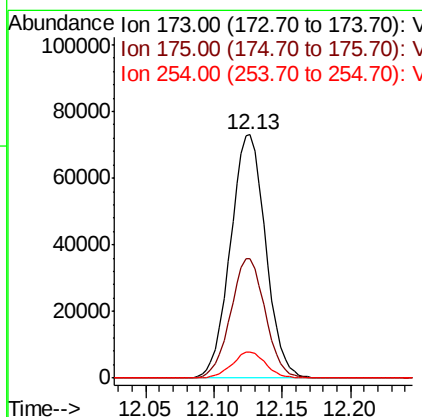
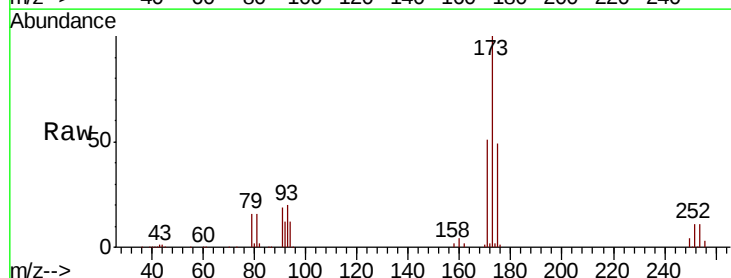
Instrument :
MSVOA_N
ClientSampleId :

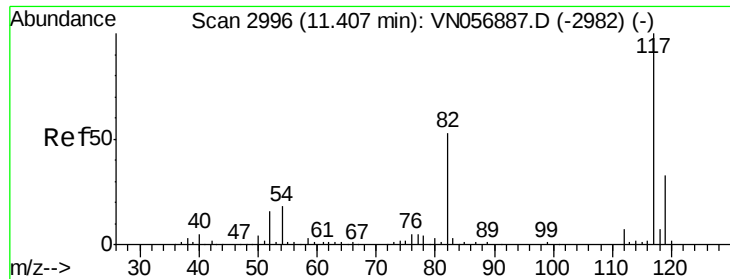
Tot Ion: 63 Resp: 567216
Ion Ratio Lower Upper
63 100
65 32.5 25.1 37.7
106 27.0 21.5 32.3



#56
Bromoform
Concen: 46.059 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Tgt Ion: 173 Resp: 130942
Ion Ratio Lower Upper
173 100
175 48.1 38.8 58.2
254 10.2 8.1 12.1





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

ClientSampleId :

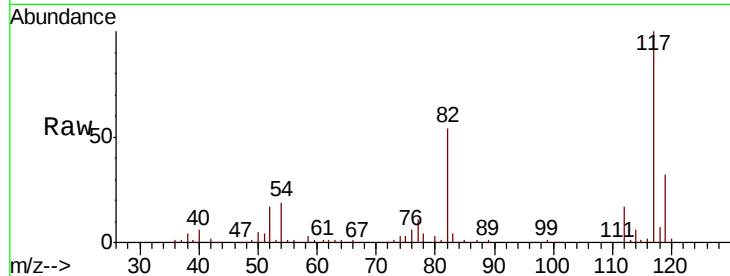
Tot Ion:117 Resp: 288294

Ion Ratio Lower Upper

117 100

82 53.7 43.0 64.4

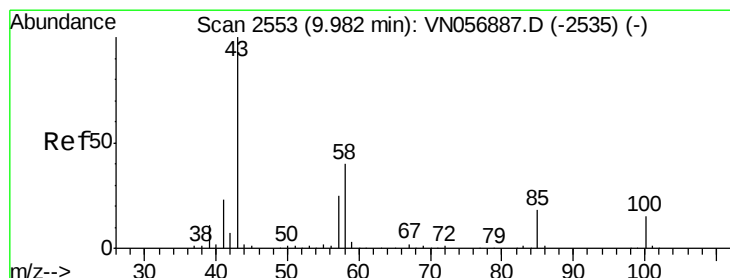
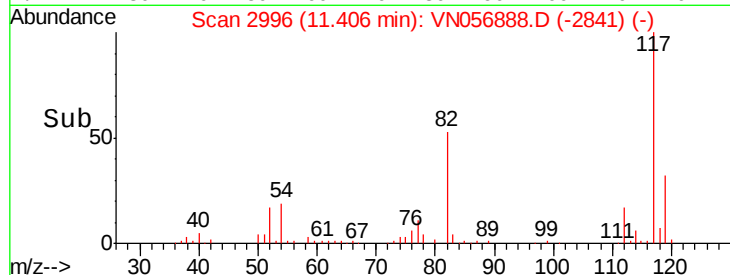
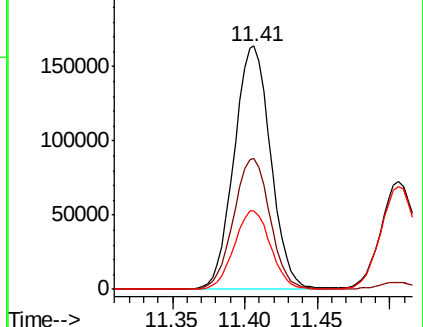
119 32.1 26.2 39.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VN

Ion 119.00 (118.70 to 119.70): V



#58

4-Methyl-2-Pentanone

Concen: 194.525 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

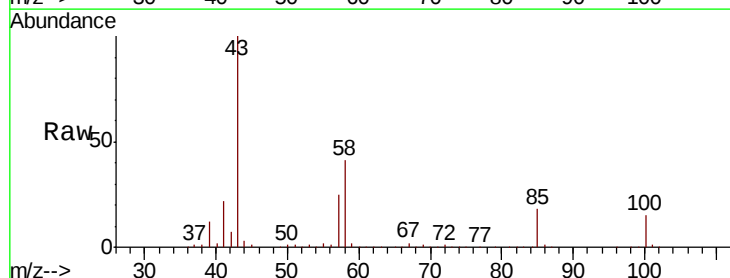
Tgt Ion: 43 Resp: 996450

Ion Ratio Lower Upper

43 100

58 40.6 31.7 47.5

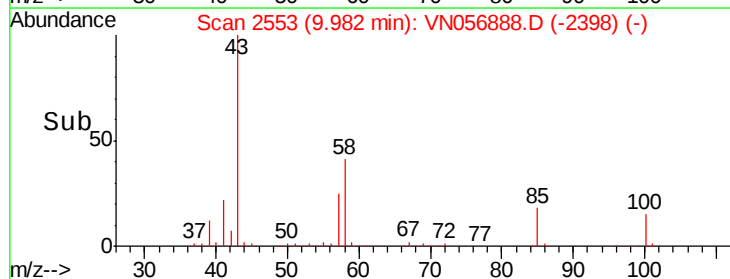
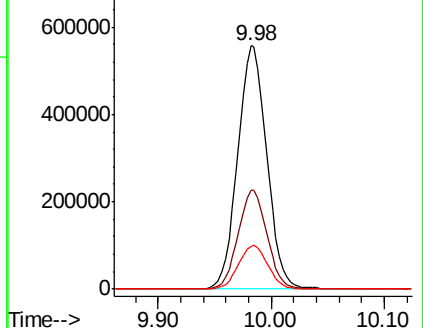
85 18.2 14.5 21.7

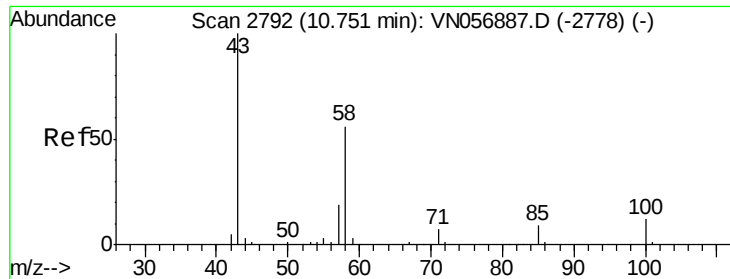


Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

Ion 85.00 (84.70 to 85.70): VN





#59

2-Hexanone

Concen: 183.659 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

ClientSampled :

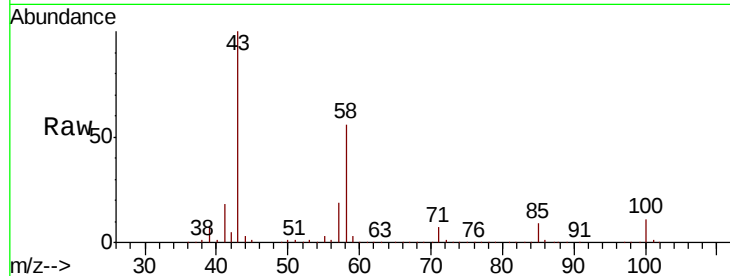
Tot Ion: 43 Resp: 694653

Ion Ratio Lower Upper

43 100

58 56.0 45.0 67.4

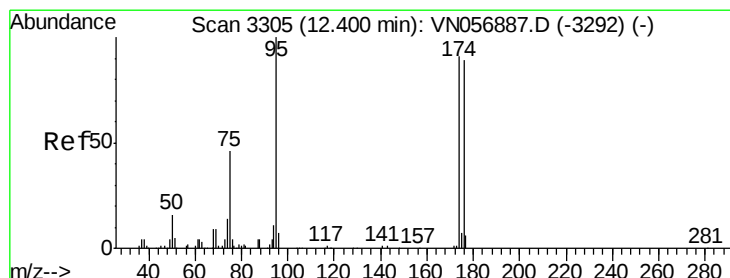
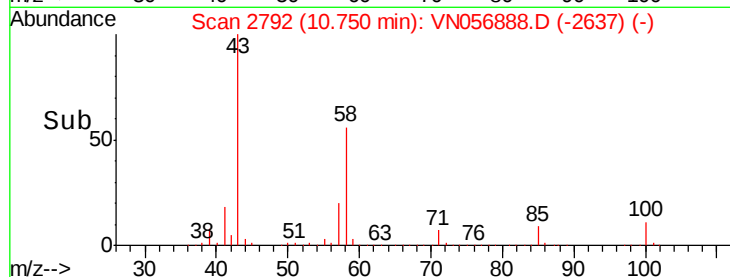
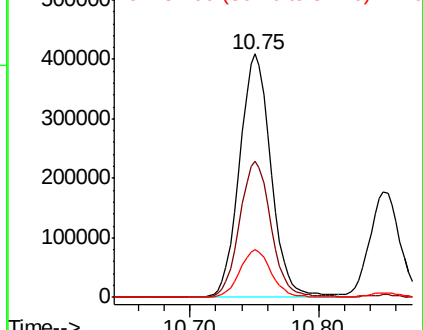
57 19.6 15.4 23.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#60

4-Bromofluorobenzene

Concen: 30.406 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

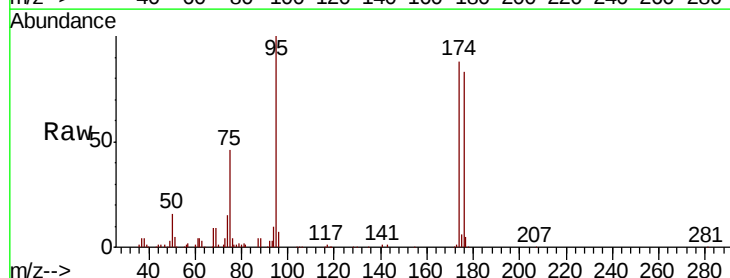
Tgt Ion: 95 Resp: 133158

Ion Ratio Lower Upper

95 100

174 89.0 71.9 107.9

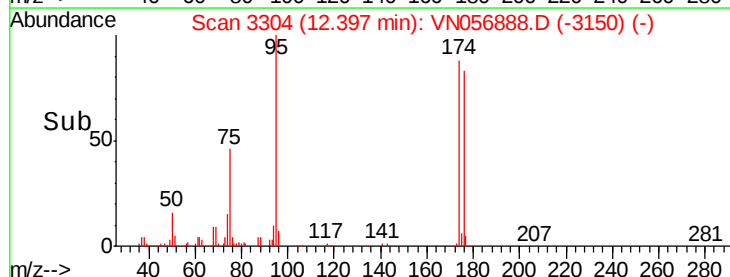
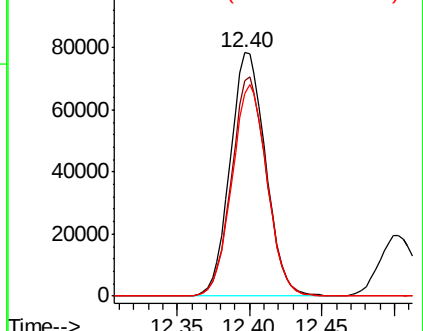
176 86.1 69.8 104.8

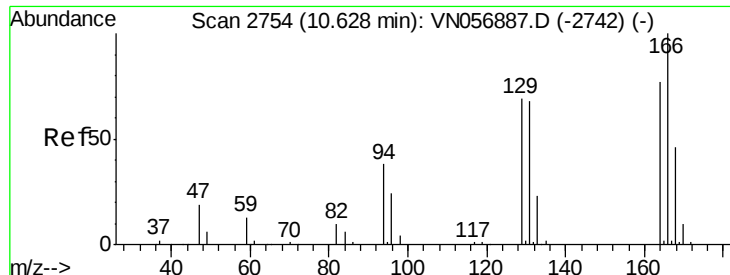


Abundance Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#61

Tetrachloroethene

Concen: 50.068 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 205963

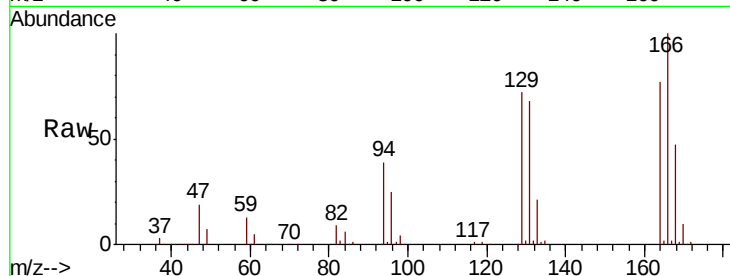
Ion Ratio Lower Upper

164 100

166 129.8 103.9 155.9

129 93.7 72.4 108.6

131 88.0 70.3 105.5

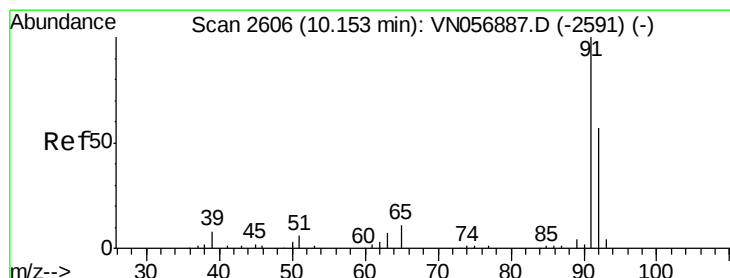
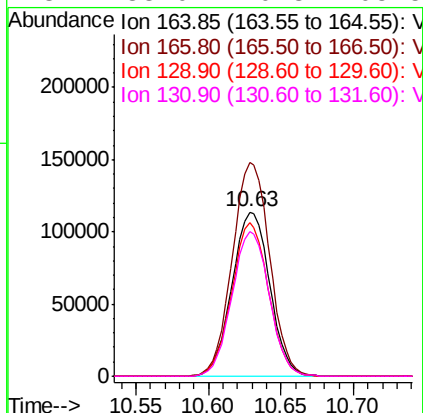
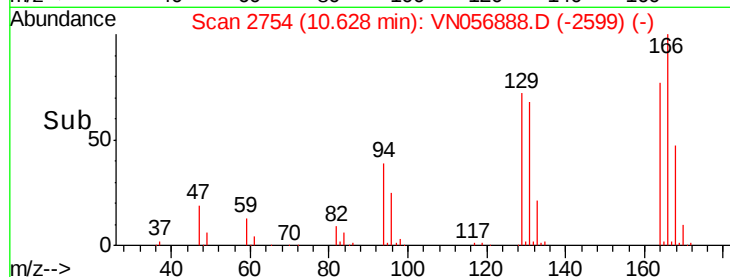


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 48.199 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056888.D

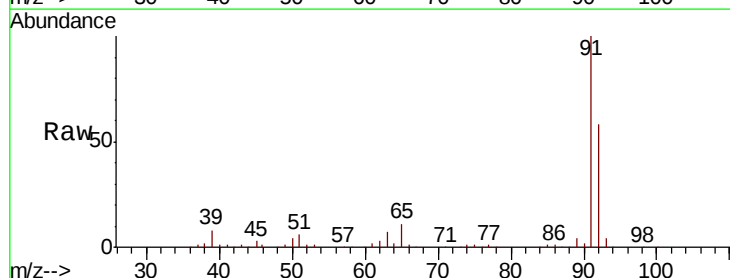
Acq: 23 Jul 2019 19:52

Tgt Ion: 91 Resp: 799434

Ion Ratio Lower Upper

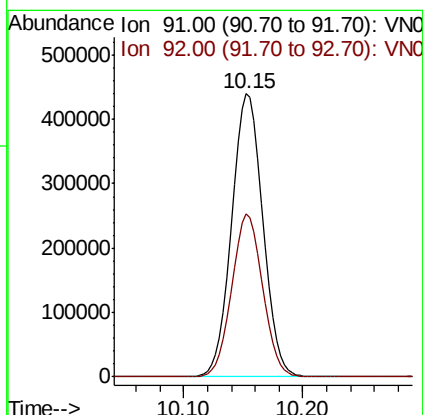
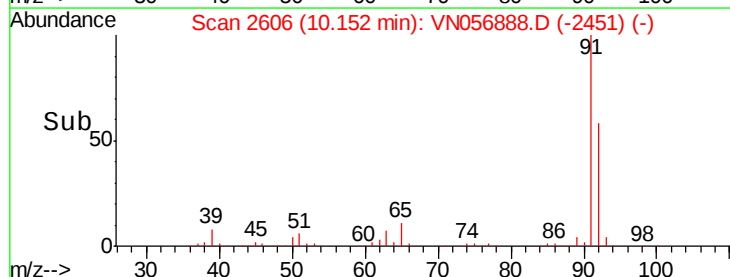
91 100

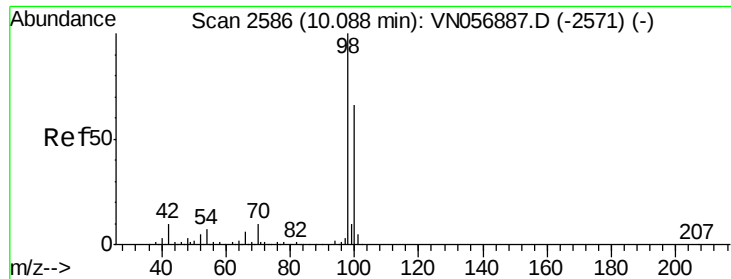
92 57.0 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.677 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

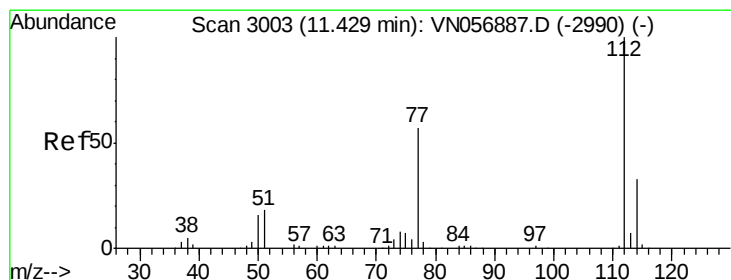
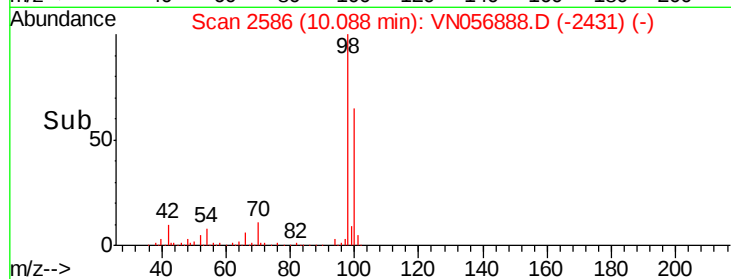
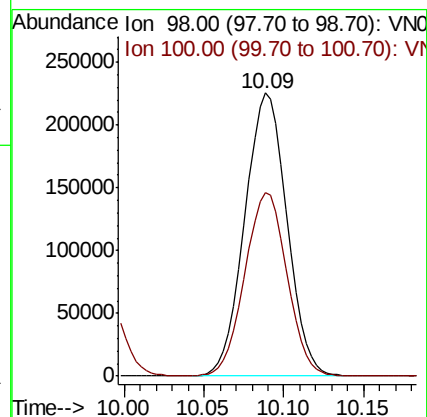
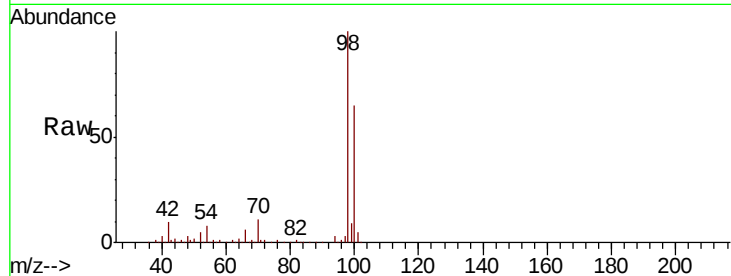
ClientSampled :

Tot Ion: 98 Resp: 406963

Ion Ratio Lower Upper

98 100

100 65.0 51.4 77.2



#64

Chlorobenzene

Concen: 47.758 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056888.D

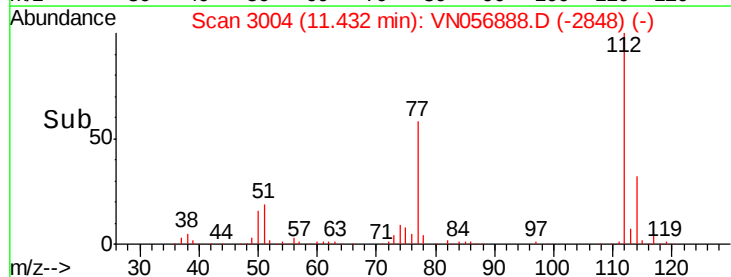
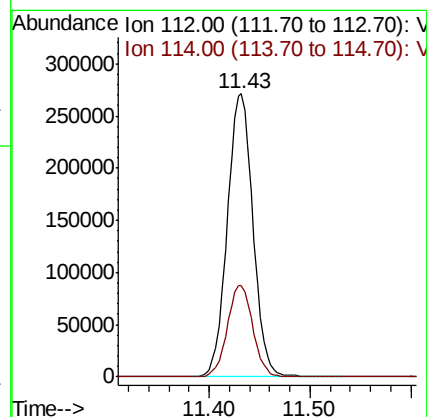
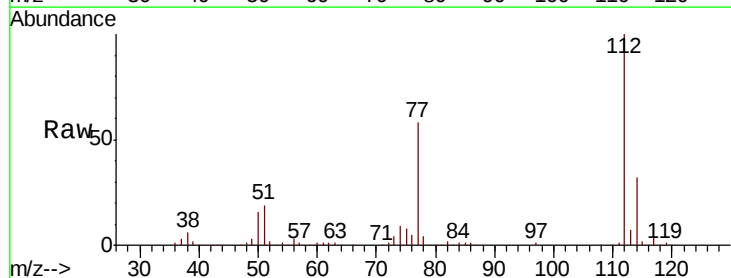
Acq: 23 Jul 2019 19:52

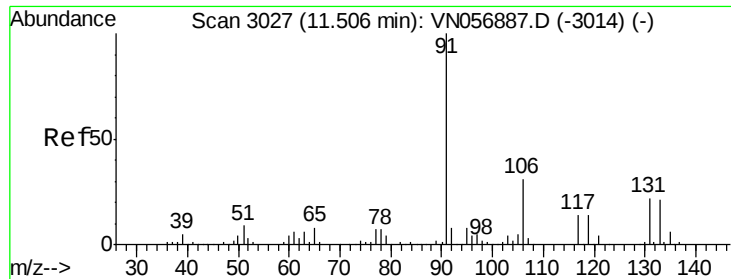
Tgt Ion: 112 Resp: 482588

Ion Ratio Lower Upper

112 100

114 32.2 26.7 40.1

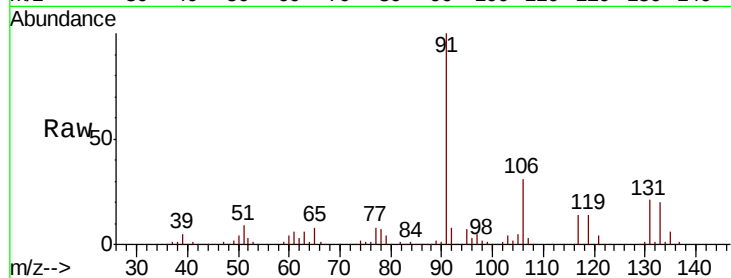




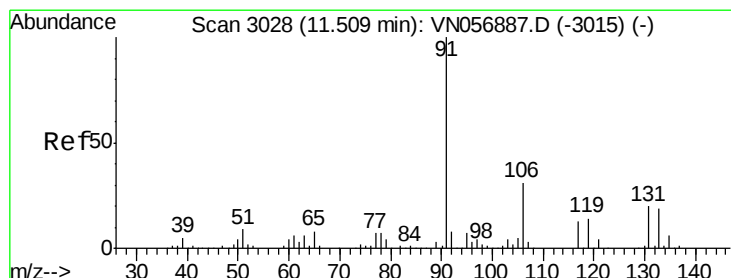
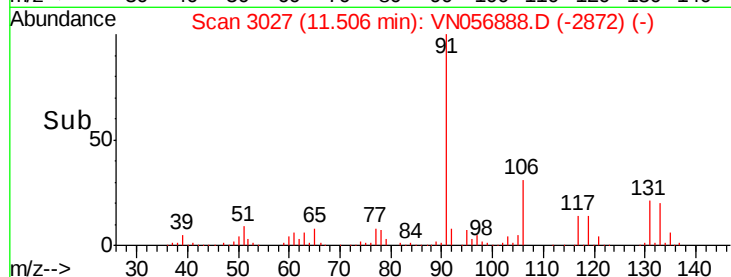
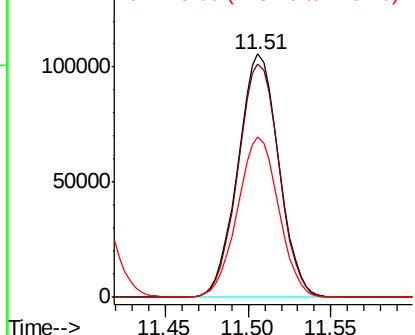
#65
 1,1,1,2-Tetrachloroethane
 Concen: 48.519 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:131 Resp: 181326
 Ion Ratio Lower Upper
 131 100
 133 96.8 0.0 189.6
 119 66.2 0.0 133.6

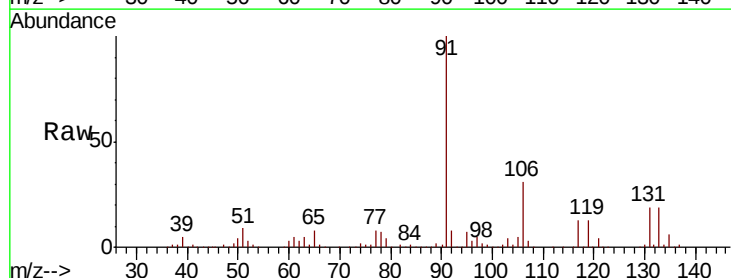


Abundance Ion 131.00 (130.70 to 131.70): V
 Ion 133.00 (132.70 to 133.70): V
 Ion 119.00 (118.70 to 119.70): V

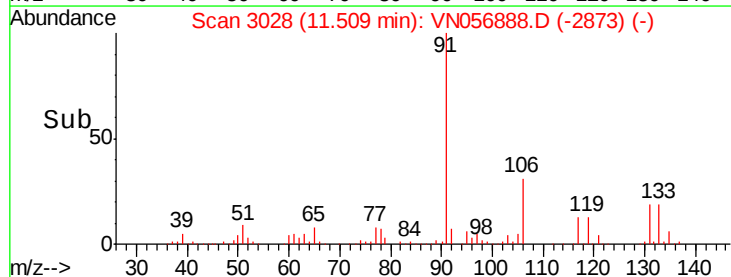
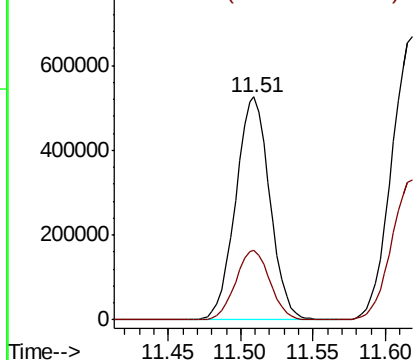


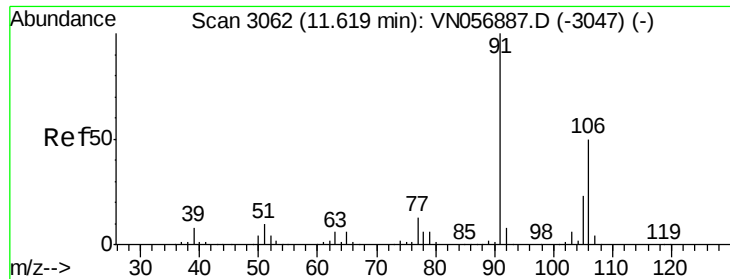
#66
 Ethyl Benzene
 Concen: 48.244 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

Tgt Ion: 91 Resp: 859690
 Ion Ratio Lower Upper
 91 100
 106 31.2 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): VN0
 Ion 106.00 (105.70 to 106.70): V

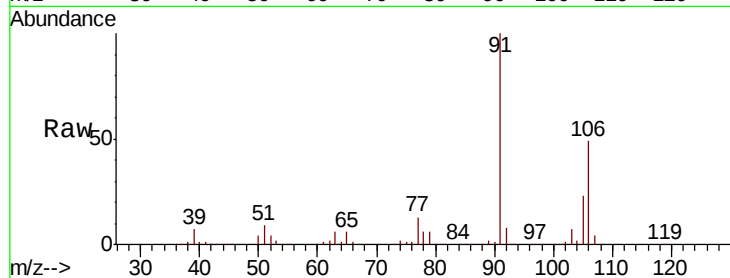




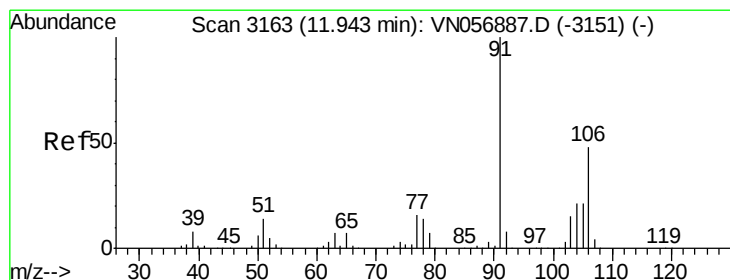
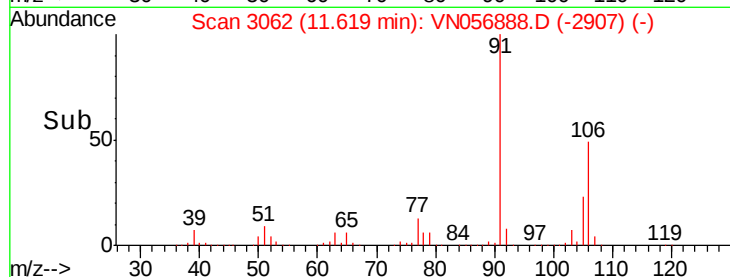
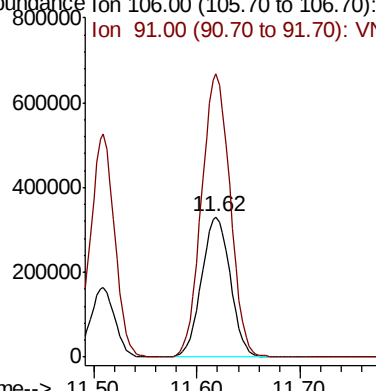
#67
m/p-Xylenes
Concen: 95.932 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 643310
Ion Ratio Lower Upper
106 100
91 201.4 160.6 240.8

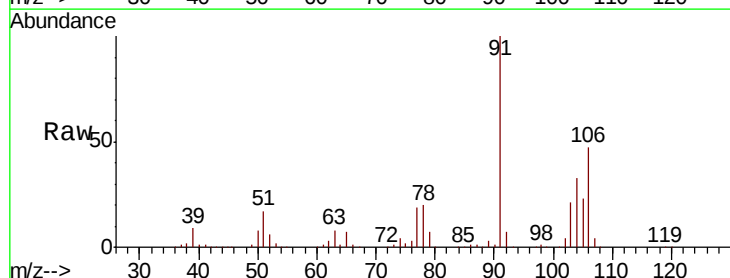


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

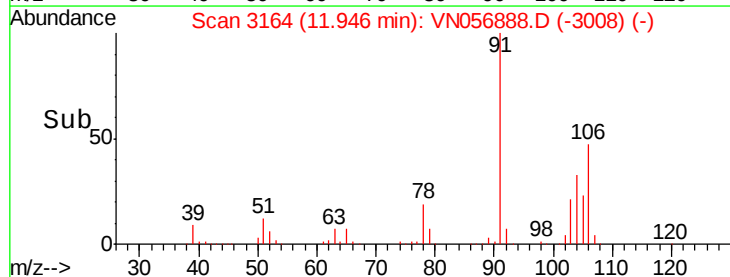
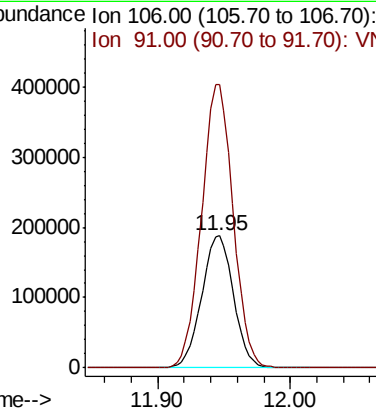


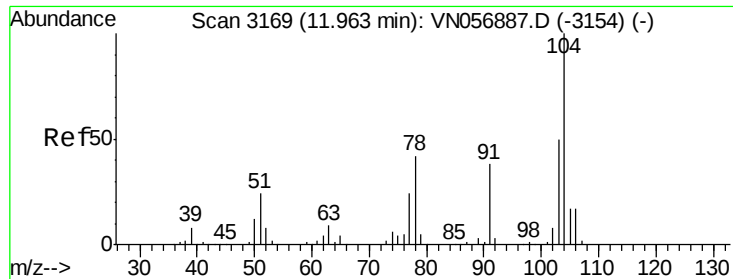
#68
o-Xylene
Concen: 47.505 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Tgt Ion:106 Resp: 312626
Ion Ratio Lower Upper
106 100
91 213.1 106.2 318.6



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

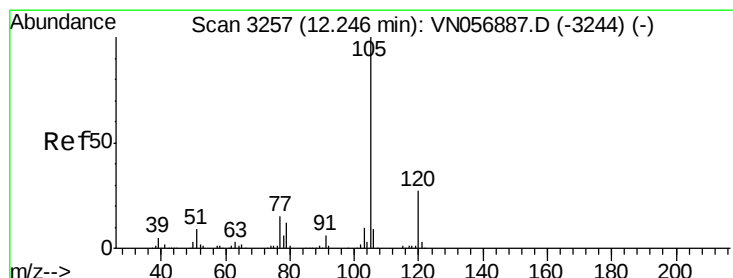
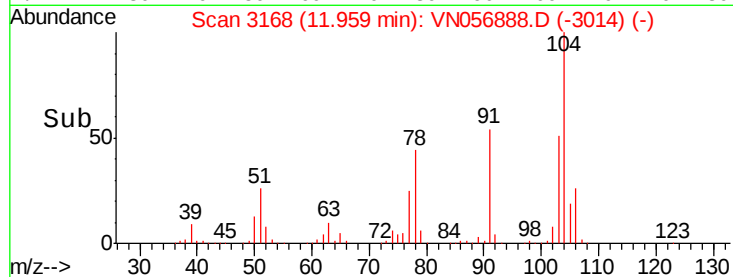
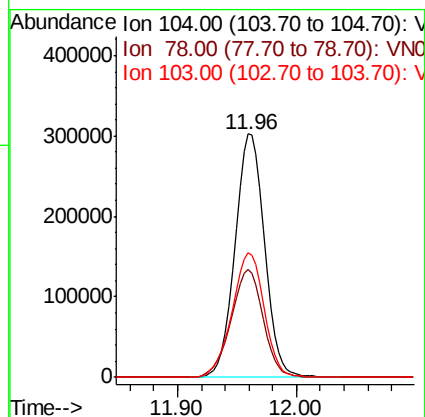
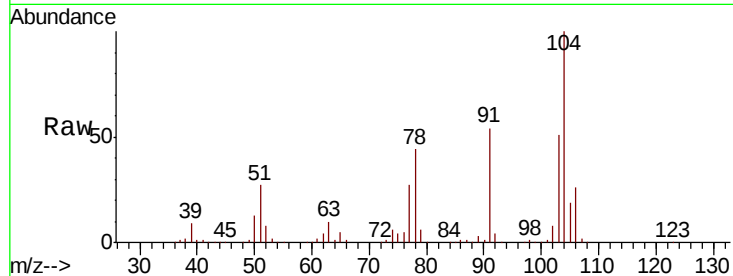




#69
Stvrene
Concen: 48.014 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

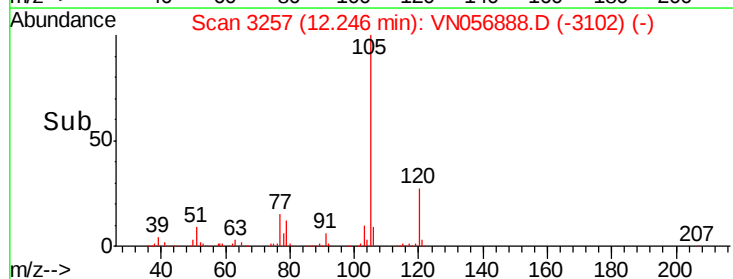
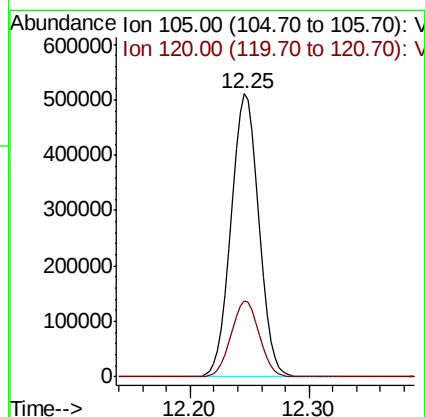
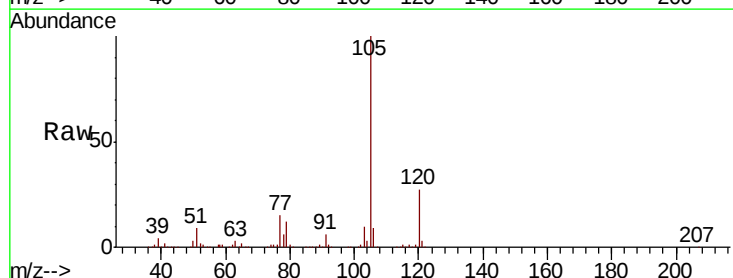
Instrument :
MSVOA_N
ClientSampleId :

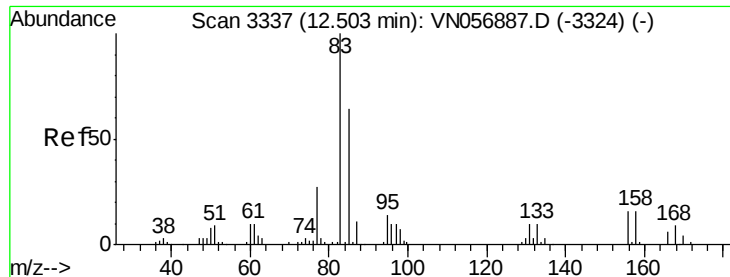
Tot Ion:104 Resp: 520558
Ion Ratio Lower Upper
104 100
78 48.2 38.5 57.7
103 55.7 44.7 67.1



#70
Isopropylbenzene
Concen: 47.989 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Tgt Ion:105 Resp: 825994
Ion Ratio Lower Upper
105 100
120 27.2 18.7 34.7

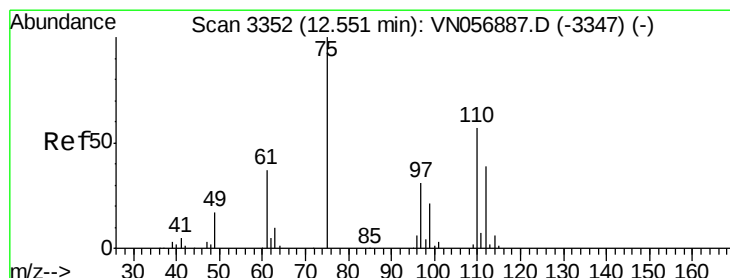
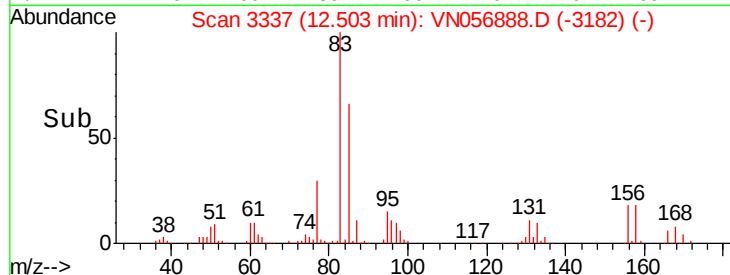
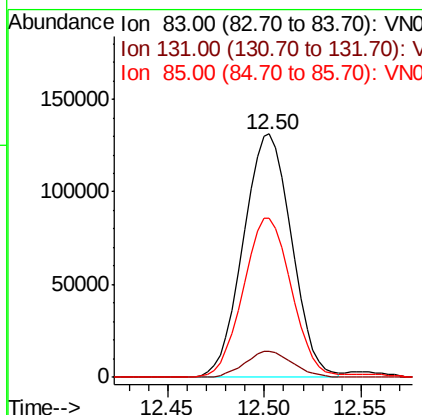
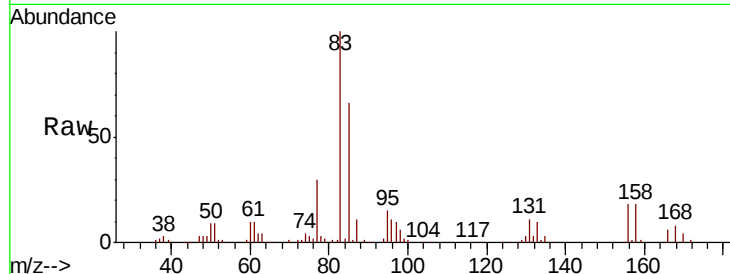




#71
 1,1,2,2-Tetrachloroethane
 Concen: 41.518 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

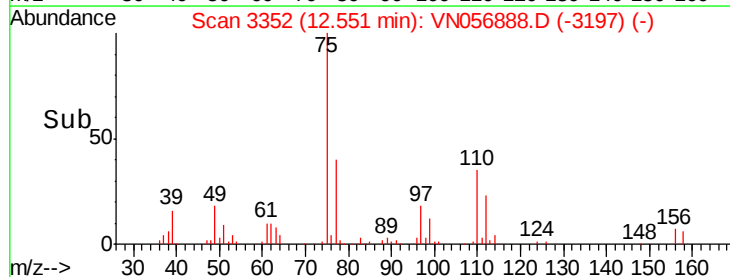
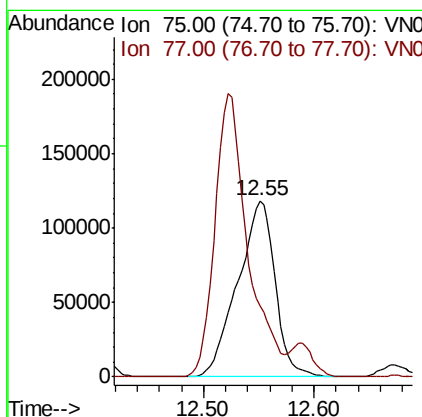
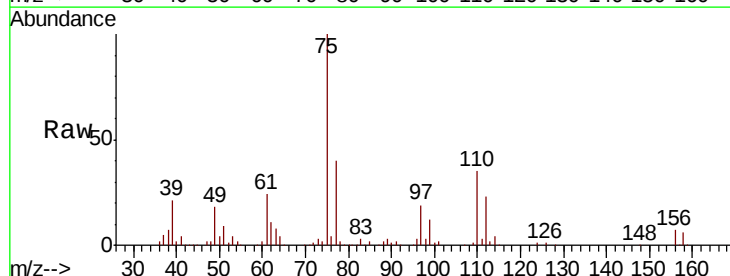
Instrument :
 MSVOA_N
 ClientSampleId :

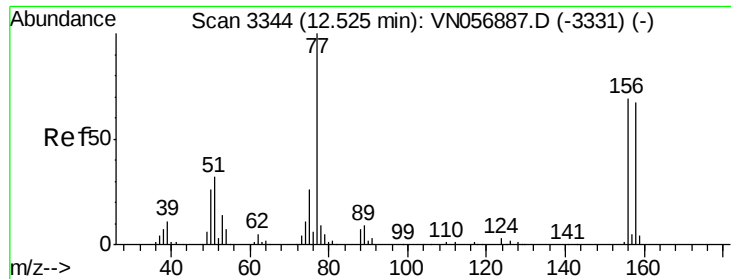
Tot Ion: 83 Resp: 227820
 Ion Ratio Lower Upper
 83 100
 131 10.6 5.1 15.2
 85 65.3 31.8 95.4



#72
 1,2,3-Trichloropropane
 Concen: 59.555 ug/l
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

Tgt Ion: 75 Resp: 278023
 Ion Ratio Lower Upper
 75 100
 77 140.9 0.0 378.6





#73

Bromobenzene

Concen: 47.273 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

ClientSampled :

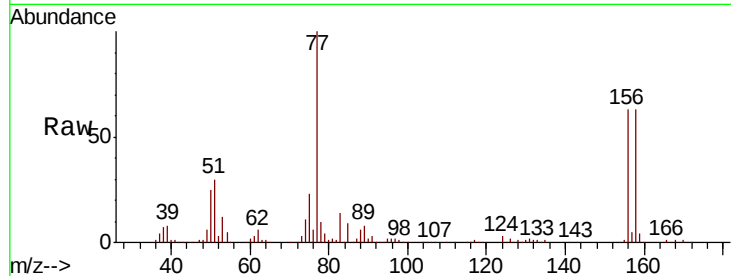
Tot Ion:156 Resp: 212039

Ion Ratio Lower Upper

156 100

77 184.7 0.0 364.6

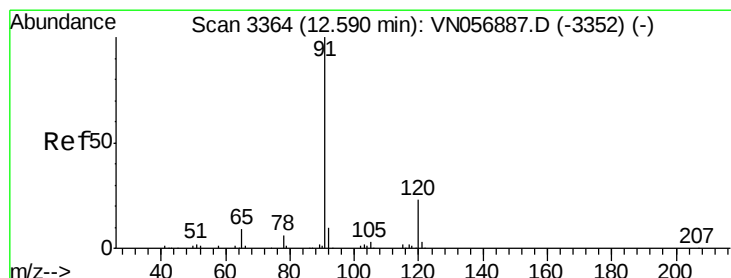
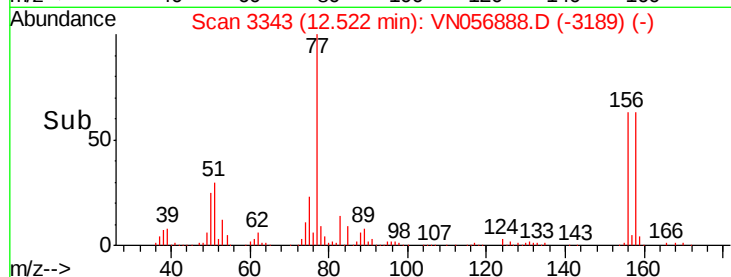
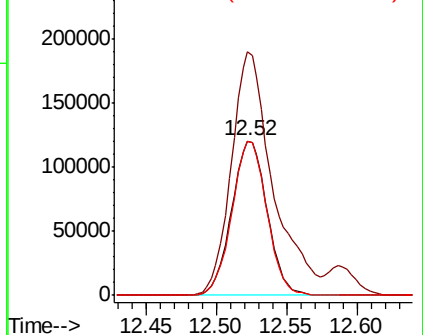
158 98.4 0.0 196.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 47.881 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056888.D

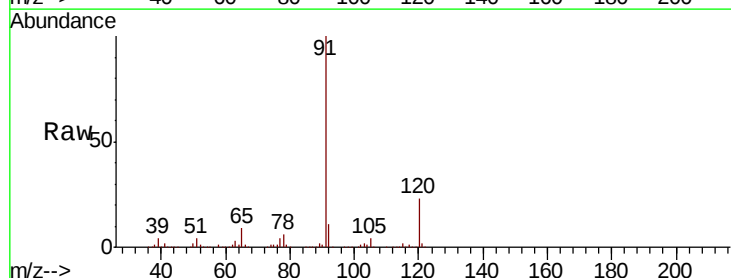
Acq: 23 Jul 2019 19:52

Tgt Ion: 91 Resp: 917955

Ion Ratio Lower Upper

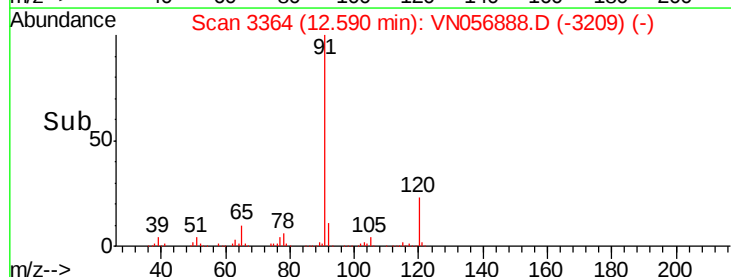
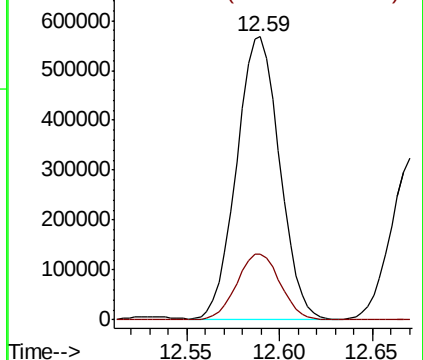
91 100

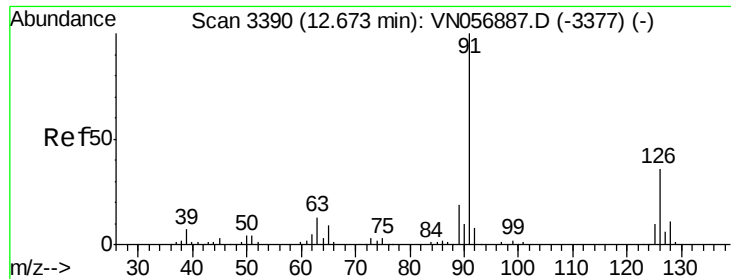
120 23.5 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 47.367 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

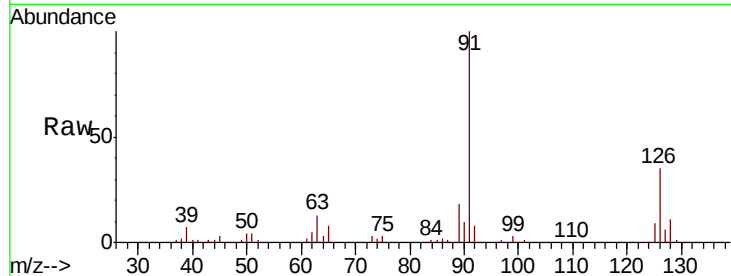
ClientSampleId :

Tot Ion: 91 Resp: 550873

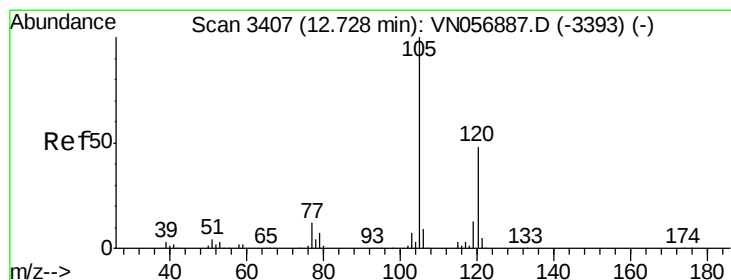
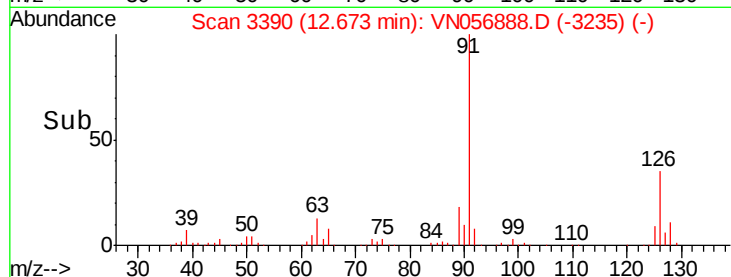
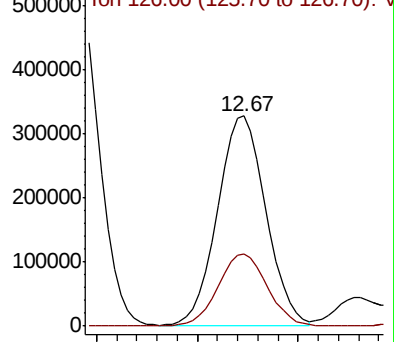
Ion Ratio Lower Upper

91 100

126 34.8 0.0 70.8



Abundance Ion 91.00 (90.70 to 91.70): VN056888.D (-3235) (-)



#76

1,3,5-Trimethylbenzene

Concen: 47.943 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056888.D

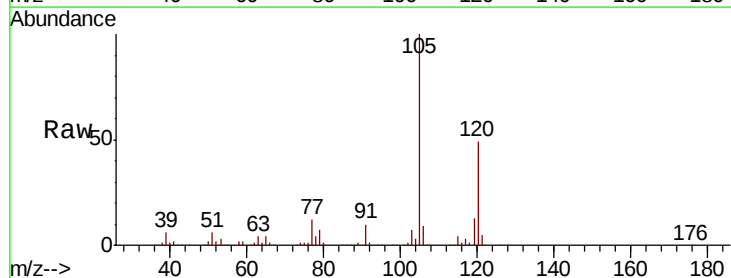
Acq: 23 Jul 2019 19:52

Tgt Ion: 105 Resp: 699170

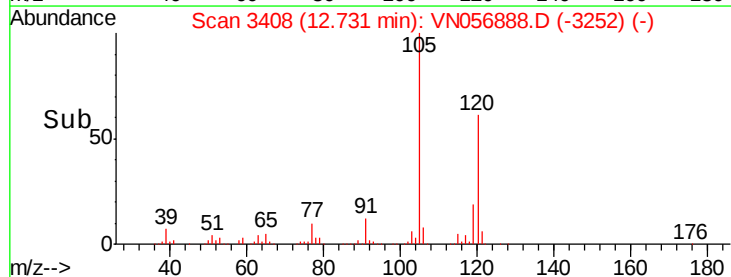
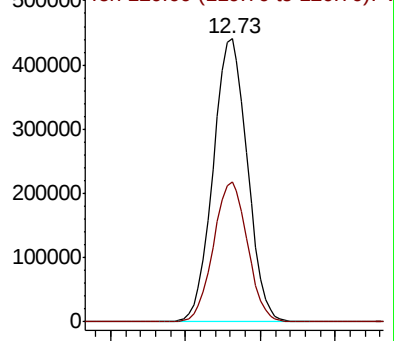
Ion Ratio Lower Upper

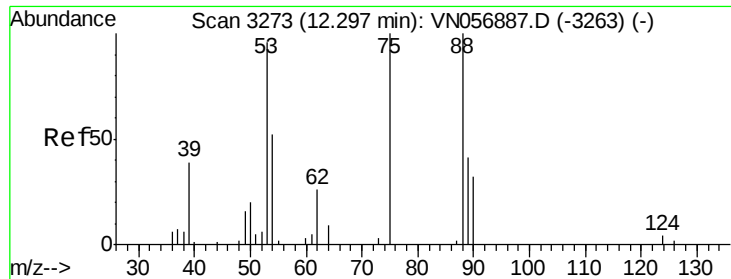
105 100

120 49.1 0.0 97.2



Abundance Ion 105.00 (104.70 to 105.70): VN056888.D (-3252) (-)



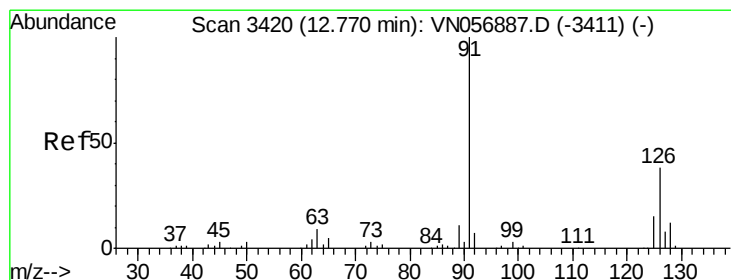
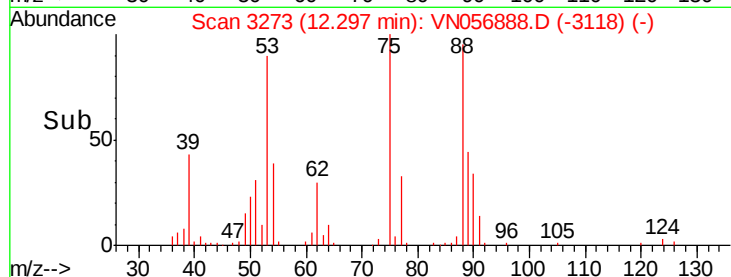
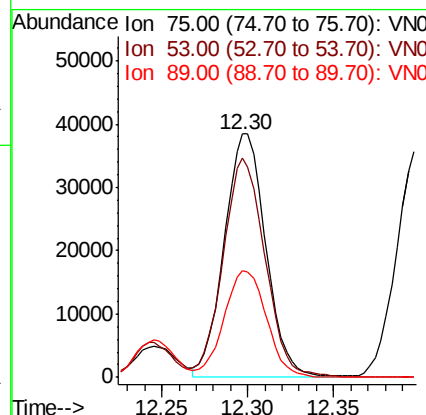
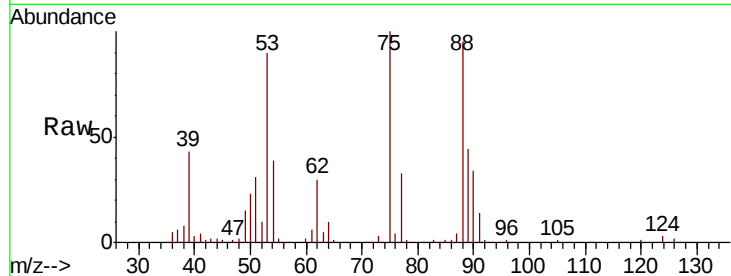


#77
t-1,4-Dichloro-2-butene
Concen: 41.972 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 75 Resp: 65129

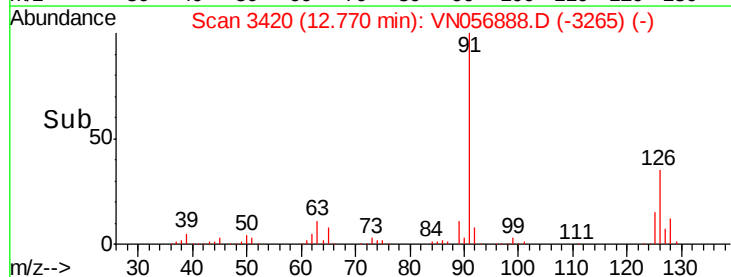
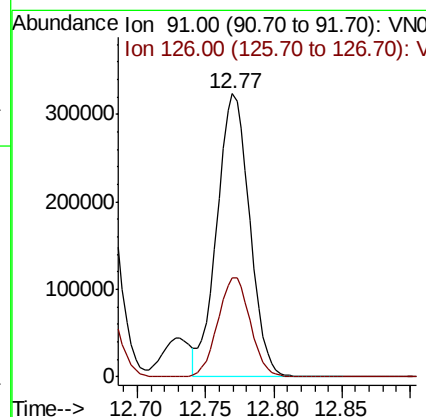
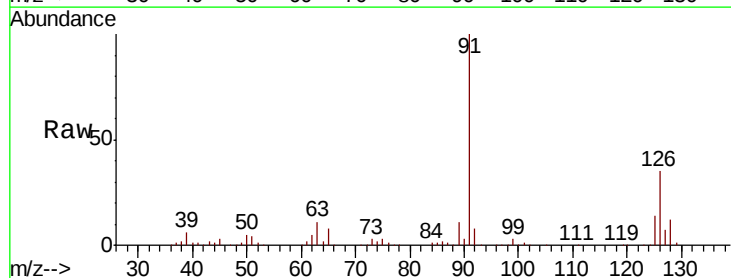
Ion	Ratio	Lower	Upper
75	100		
53	90.7	48.0	144.0
89	43.8	21.4	64.3

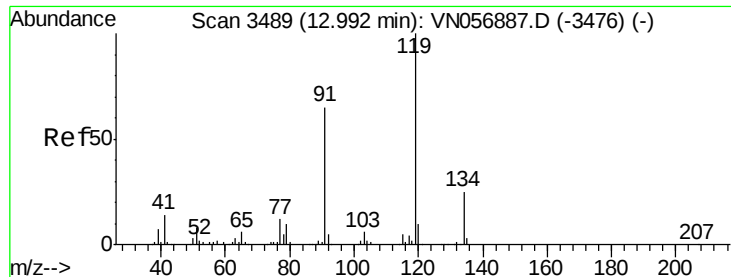


#78
4-Chlorotoluene
Concen: 47.952 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Tgt Ion: 91 Resp: 537836

Ion	Ratio	Lower	Upper
91	100		
126	34.7	0.0	69.6

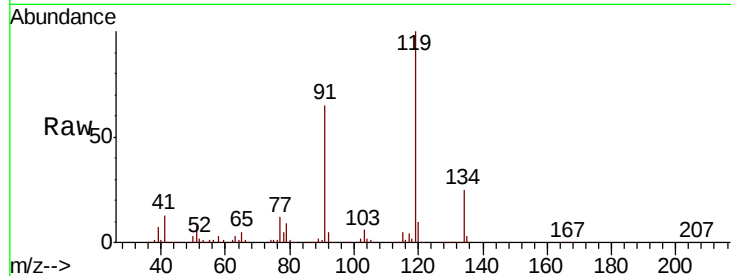




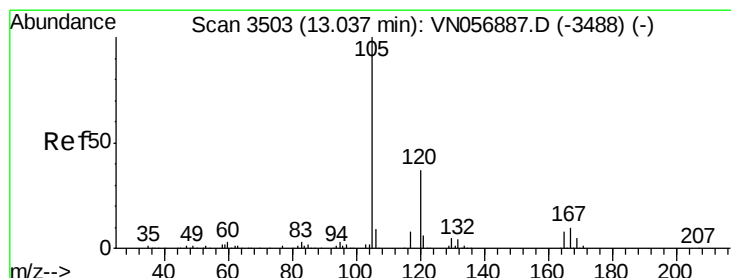
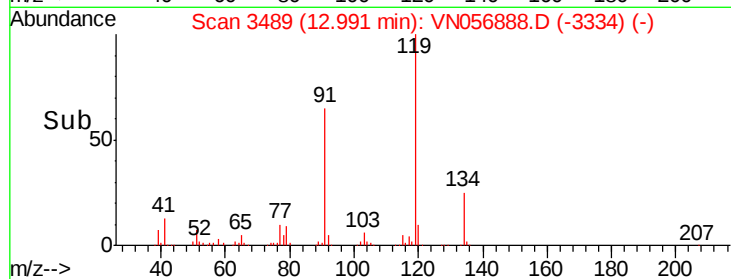
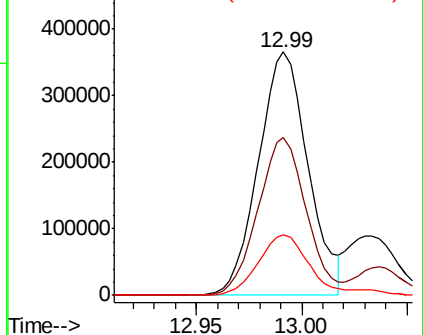
#79
tert-butylbenzene
Concen: 48.053 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 598889
Ion Ratio Lower Upper
119 100
91 62.6 0.0 126.8
134 24.8 0.0 48.8

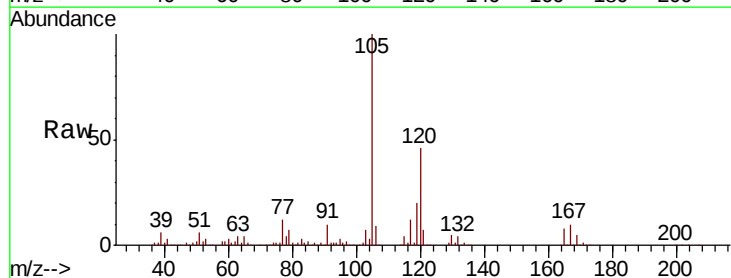


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

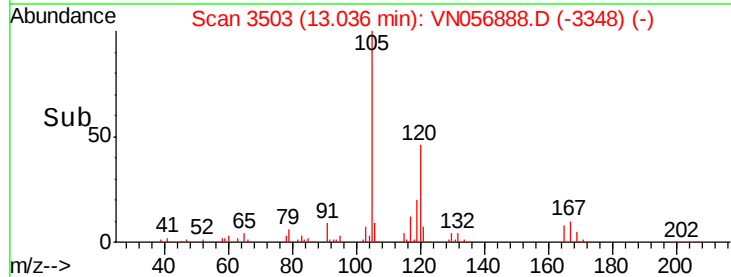
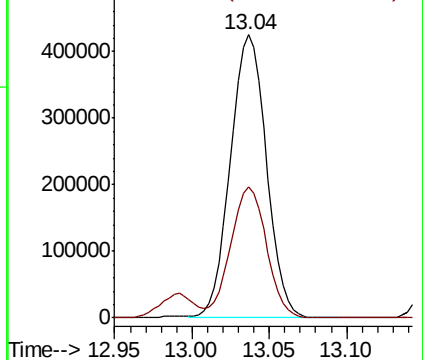


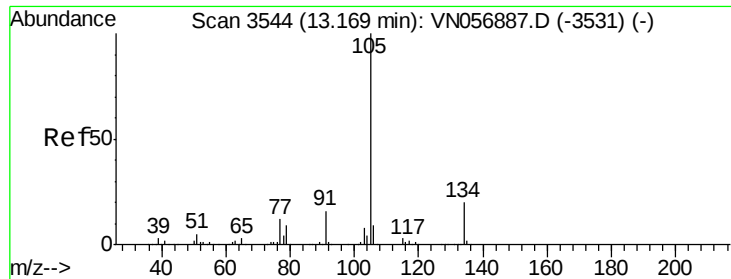
#80
1,2,4-Trimethylbenzene
Concen: 47.312 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Tgt Ion:105 Resp: 685429
Ion Ratio Lower Upper
105 100
120 46.1 0.0 90.6



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





#81

sec-Butylbenzene

Concen: 48.037 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

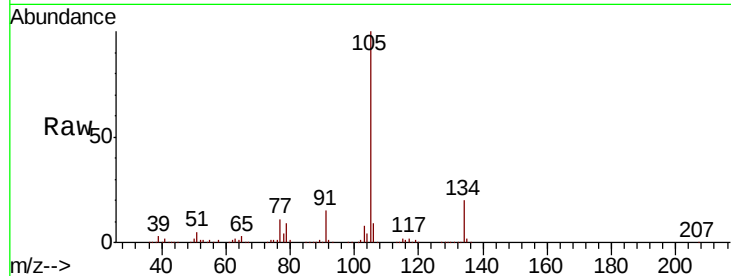
ClientSampled :

Tot Ion:105 Resp: 788789

Ion Ratio Lower Upper

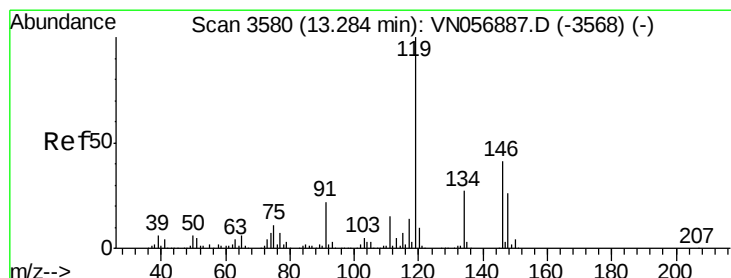
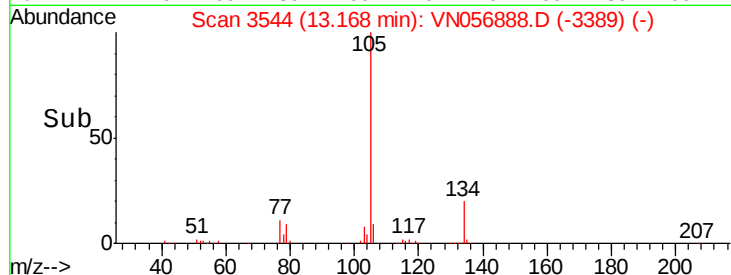
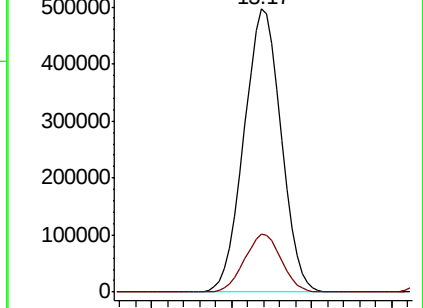
105 100

134 20.3 0.0 41.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 47.879 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

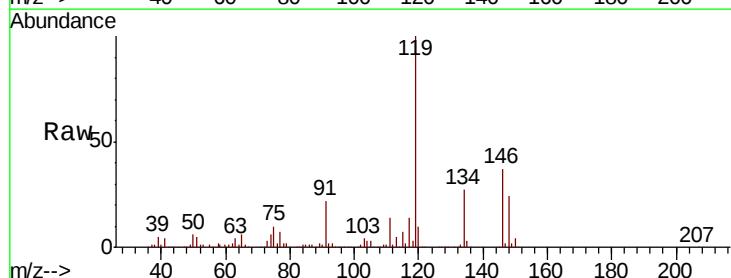
Tgt Ion:119 Resp: 712680

Ion Ratio Lower Upper

119 100

134 27.0 0.0 53.2

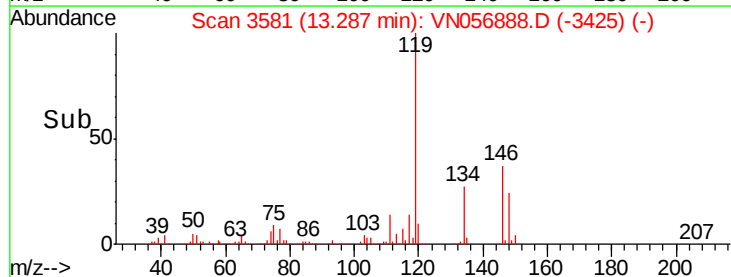
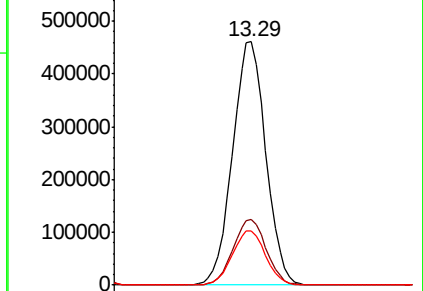
91 22.5 0.0 44.0

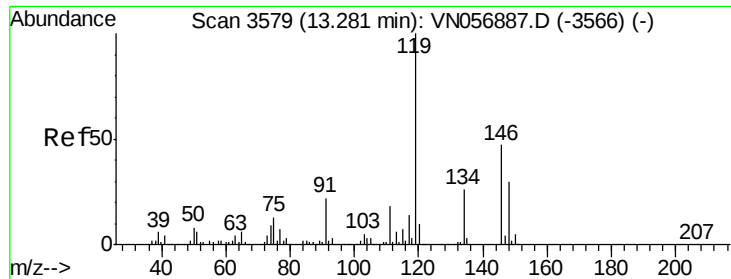


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

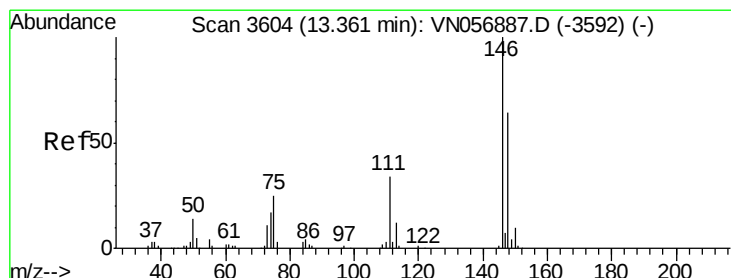
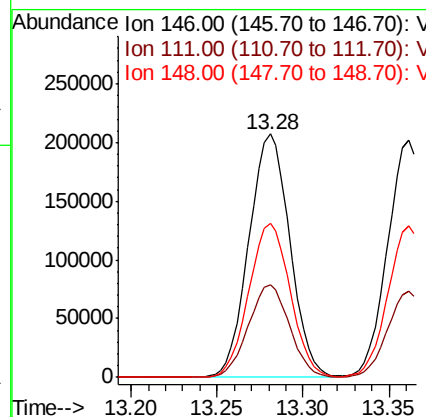
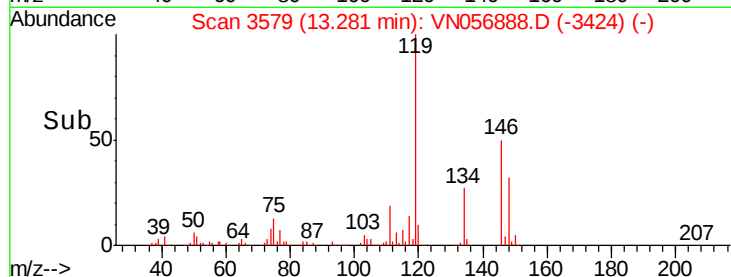
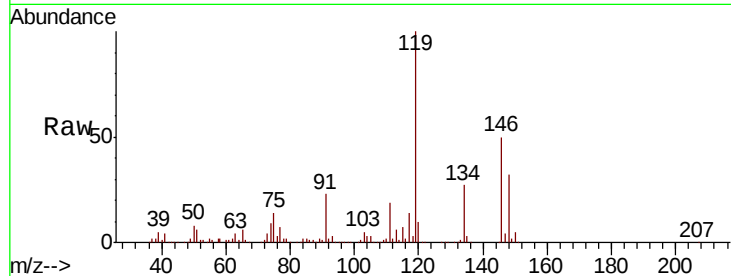




#83
 1,3-Dichlorobenzene
 Concen: 46.405 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

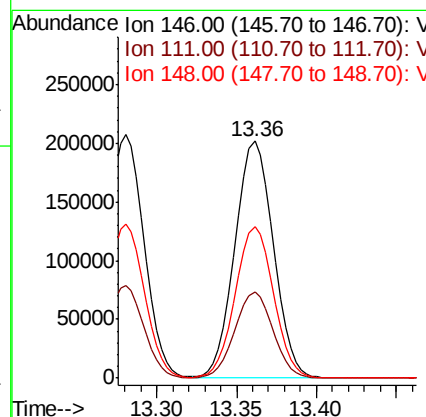
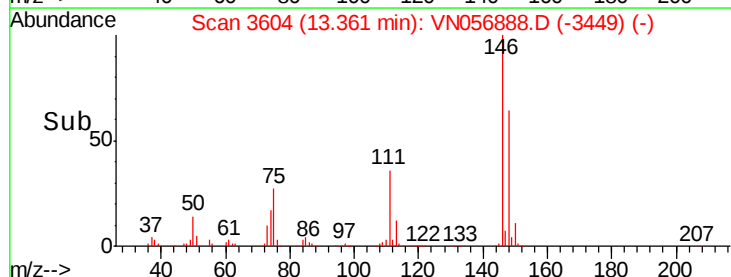
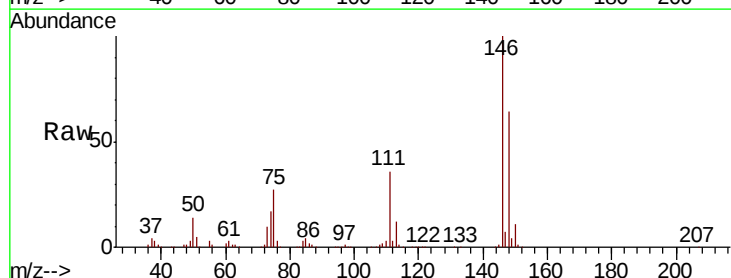
Instrument :
 MSVOA_N
 ClientSampled :

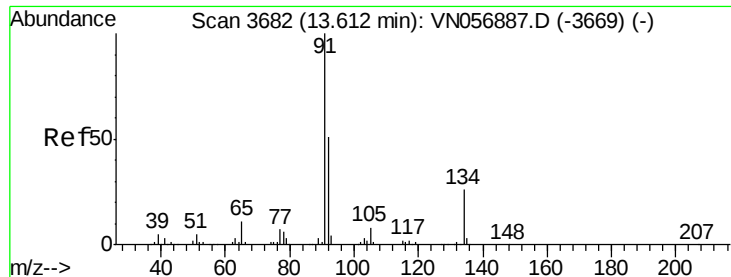
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.8	56.4
148	63.8	31.7	95.1



#84
 1,4-Dichlorobenzene
 Concen: 47.180 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	17.8	53.5
148	63.5	32.6	97.7





#85

n-Butylbenzene

Concen: 47.240 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

ClientSampled :

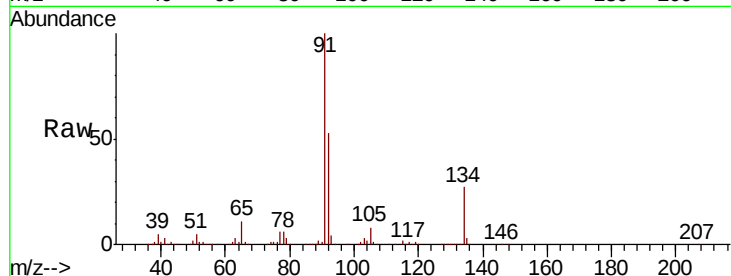
Tot Ion: 91 Resp: 574459

Ion Ratio Lower Upper

91 100

92 52.6 0.0 101.8

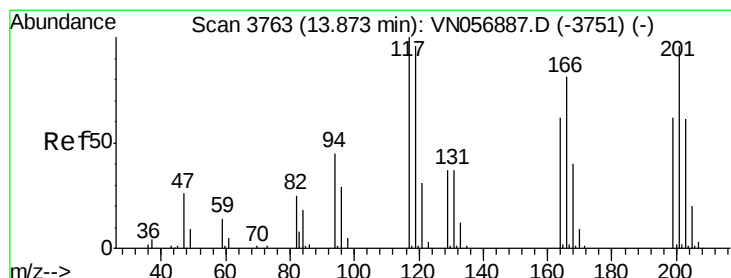
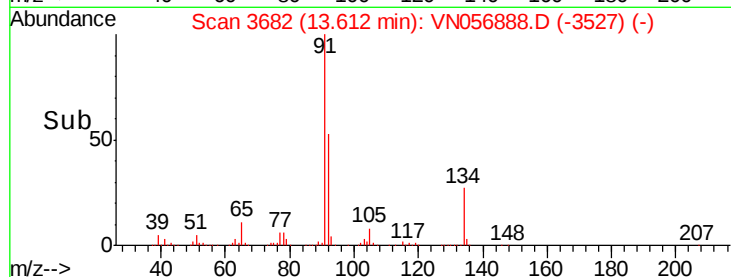
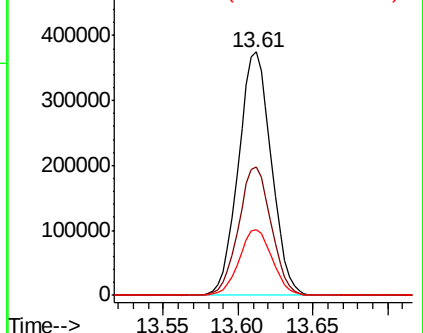
134 27.1 0.0 52.4



Abundance Ion 91.00 (90.70 to 91.70): VN056888.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN056888.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN056888.D (-3669) (-)



#86

Hexachloroethane

Concen: 49.630 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN056888.D

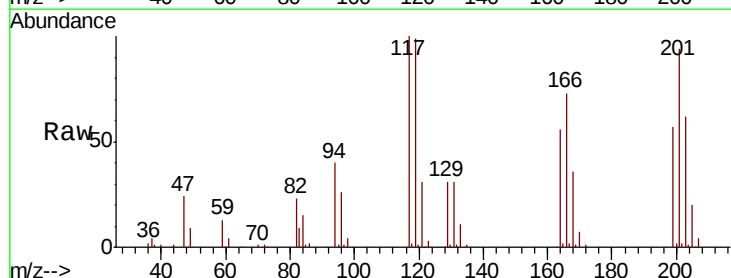
Acq: 23 Jul 2019 19:52

Tgt Ion: 117 Resp: 117977

Ion Ratio Lower Upper

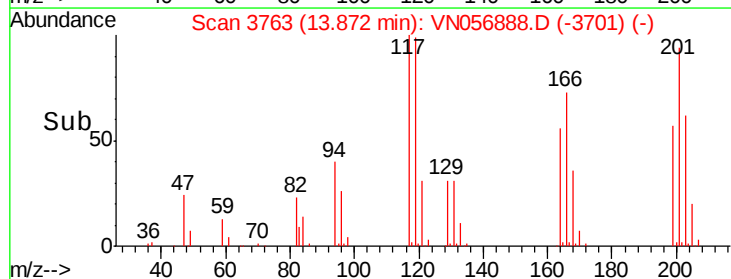
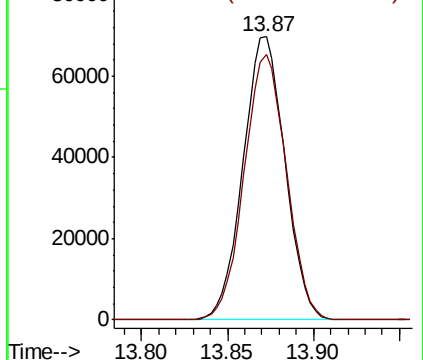
117 100

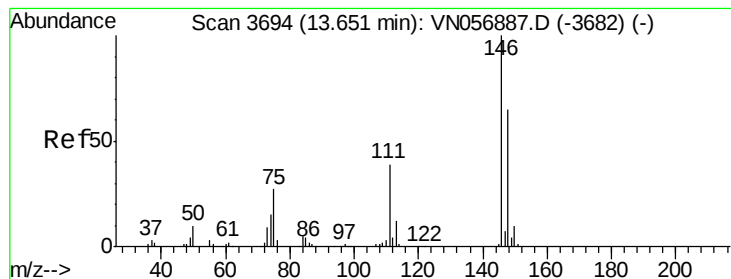
201 94.2 47.8 143.3



Abundance Ion 117.00 (116.70 to 117.70): VN056888.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN056888.D (-3751) (-)





#87

1,2-Dichlorobenzene

Concen: 45.852 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

ClientSampled :

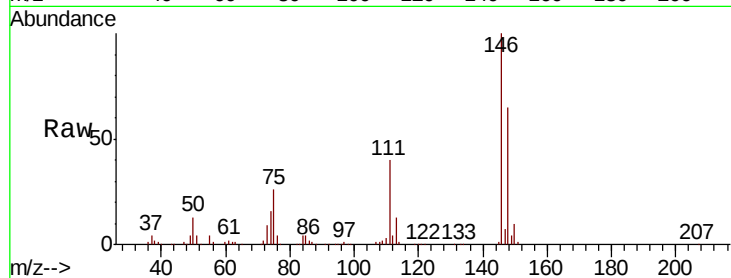
Tot Ion:146 Resp: 341406

Ion Ratio Lower Upper

146 100

111 39.1 19.6 58.8

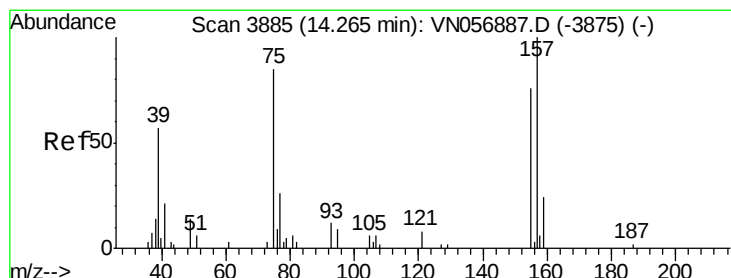
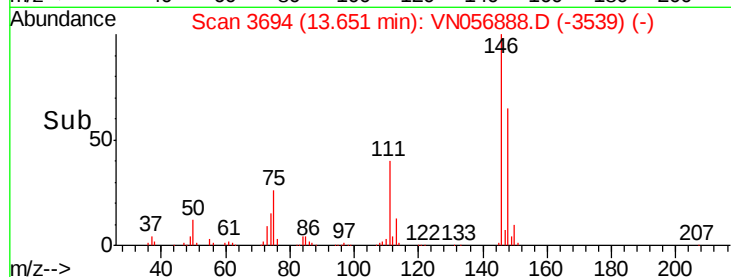
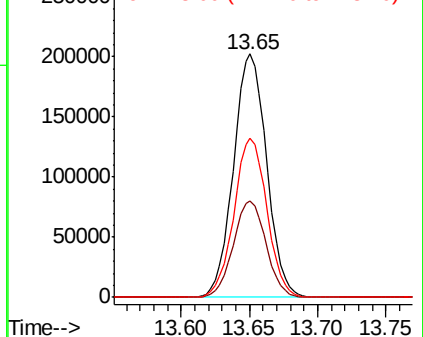
148 64.8 32.5 97.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 38.314 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

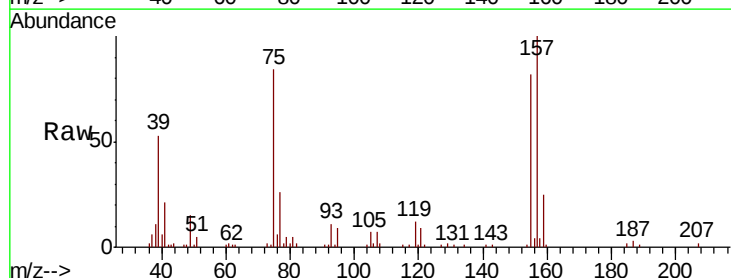
Tgt Ion: 75 Resp: 35854

Ion Ratio Lower Upper

75 100

155 97.0 73.4 110.2

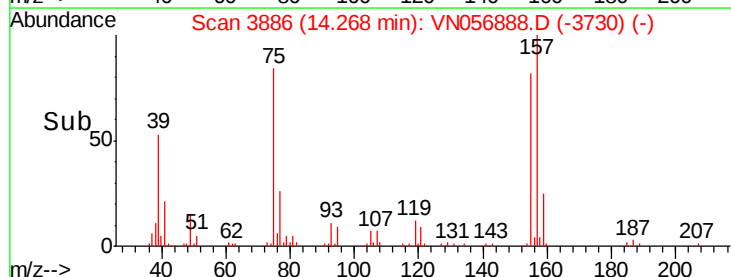
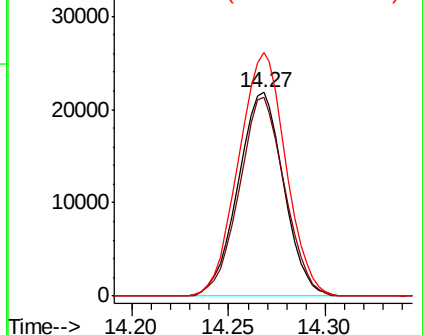
157 123.9 95.0 142.6

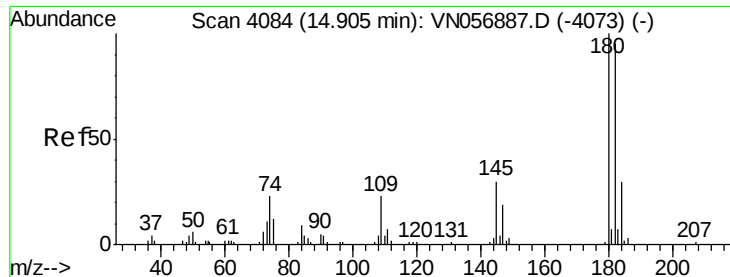


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

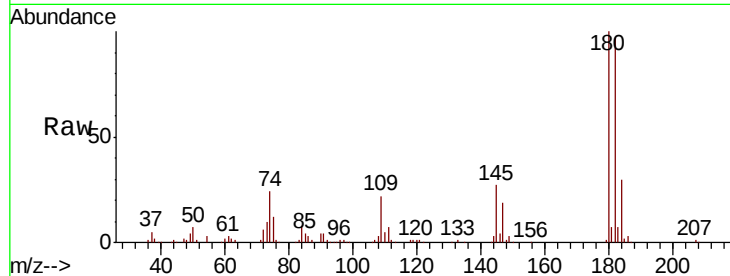




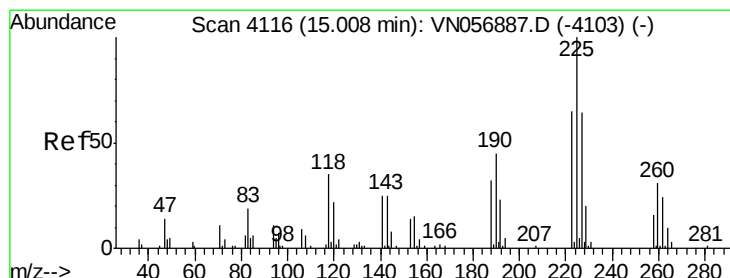
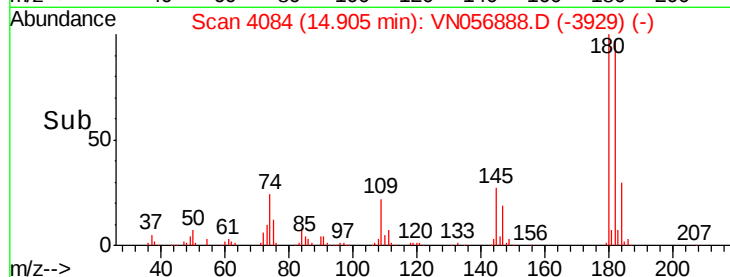
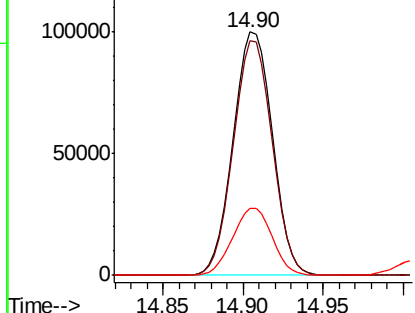
#89
 1,2,4-Trichlorobenzene
 Concen: 43.049 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 167530
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.0 115.4
 145 27.6 23.5 35.3

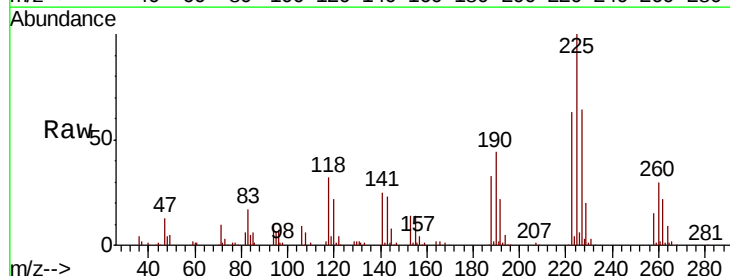


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

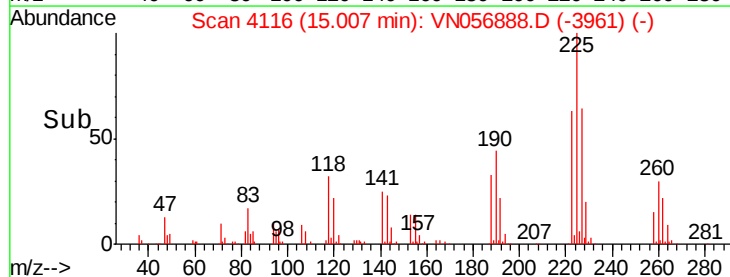
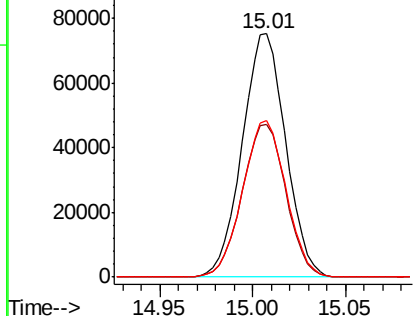


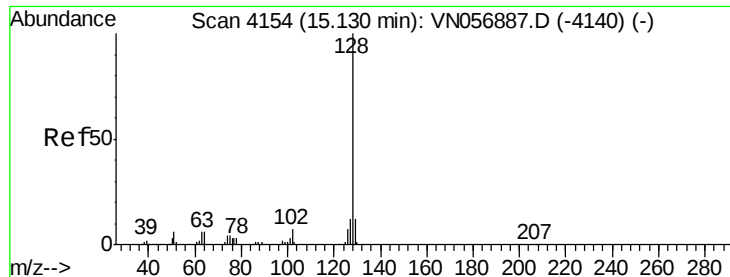
#90
 Hexachlorobutadiene
 Concen: 47.131 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

Tgt Ion:225 Resp: 122969
 Ion Ratio Lower Upper
 225 100
 223 63.1 0.0 130.0
 227 64.3 0.0 127.2



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 41.866 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

ClientSampleId :

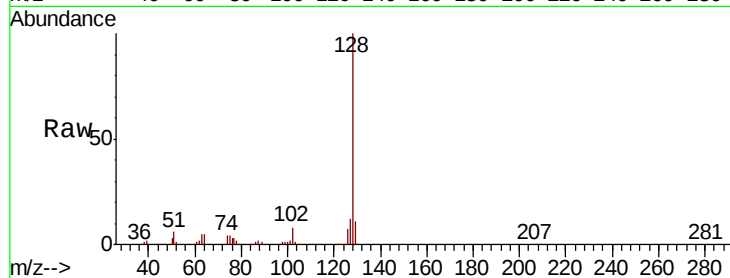
Tot Ion:128 Resp: 441211

Ion Ratio Lower Upper

128 100

127 12.7 10.0 15.0

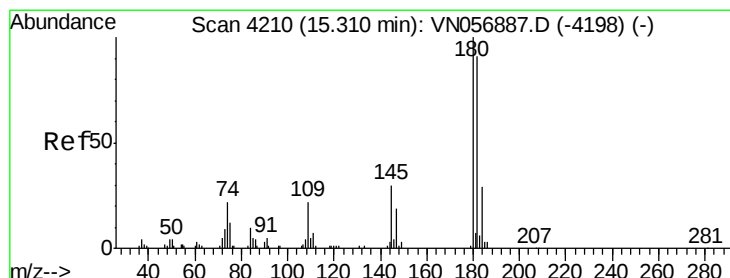
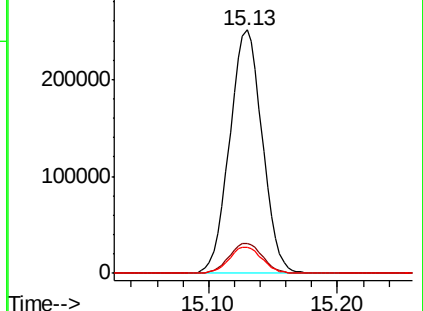
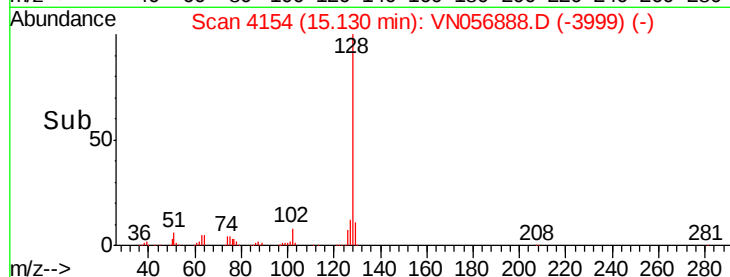
129 10.9 8.9 13.3



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



#92

1,2,3-Trichlorobenzene

Concen: 44.252 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

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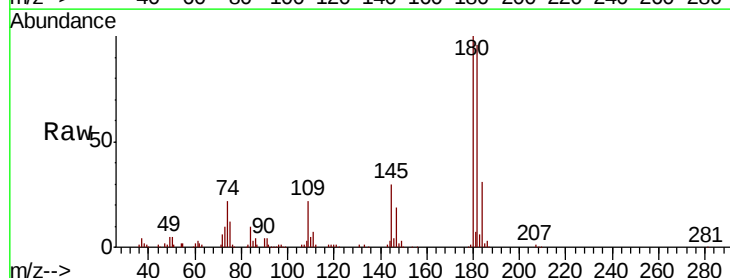
Tgt Ion:180 Resp: 182740

Ion Ratio Lower Upper

180 100

182 94.5 0.0 188.0

145 29.4 0.0 61.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

