

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060419\
 Data File : VN055978.D
 Acq On : 4 Jun 2019 9:37
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Quant Time: Jun 05 01:10:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	339553	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	492092	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	438244	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	201731	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	169848	50.38	ug/l	0.00
Spiked Amount						
			Recovery	=	100.76%	
35) Dibromofluoromethane	7.59	113	152652	50.56	ug/l	0.00
Spiked Amount						
			Recovery	=	101.12%	
50) Toluene-d8	10.09	98	582605	50.15	ug/l	0.00
Spiked Amount						
			Recovery	=	100.30%	
62) 4-Bromofluorobenzene	12.40	95	201179	50.92	ug/l	0.00
Spiked Amount						
			Recovery	=	101.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	187819	50.347	ug/l	100
3) Chloromethane	2.06	50	193713	52.628	ug/l	99
4) Vinyl Chloride	2.18	62	194913	52.791	ug/l	99
5) Bromomethane	2.54	94	120805	51.796	ug/l	98
6) Chloroethane	2.69	64	111059	51.880	ug/l	99
7) Trichlorofluoromethane	3.01	101	240221	50.965	ug/l	98
8) Diethyl Ether	3.40	74	97002	50.044	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	145059	50.663	ug/l	100
10) Methyl Iodide	3.94	142	233666	51.355	ug/l	99
11) Tert butyl alcohol	4.81	59	146755	250.132	ug/l	100
12) 1,1-Dichloroethene	3.72	96	146589	51.426	ug/l	98
13) Acrolein	3.60	56	41938	247.844	ug/l	98
14) Allyl chloride	4.31	41	230947	51.309	ug/l	99
15) Acrylonitrile	4.99	53	377185	264.095	ug/l	99
16) Acetone	3.82	43	412575	255.865	ug/l	99
17) Carbon Disulfide	4.04	76	359185	52.627	ug/l	99
18) Methyl Acetate	4.32	43	157699	49.786	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	459915	50.618	ug/l	99
20) Methylene Chloride	4.54	84	164394	49.485	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	156013	51.082	ug/l	97
22) Diisopropyl ether	5.95	45	465214	49.999	ug/l	98
23) Vinyl Acetate	5.89	43	1946348	265.632	ug/l	100
24) 1,1-Dichloroethane	5.84	63	272051	50.688	ug/l	99
25) 2-Butanone	6.84	43	534470	262.341	ug/l	99
26) 2,2-Dichloropropane	6.82	77	212419	50.720	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	182524	50.841	ug/l	97
28) Bromochloromethane	7.19	49	133022	52.410	ug/l	98
29) Tetrahydrofuran	7.21	42	324774	257.892	ug/l	99
30) Chloroform	7.37	83	274345	50.812	ug/l	99
31) Cyclohexane	7.65	56	259128	48.437	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	231209	51.281	ug/l	99
36) 1,1-Dichloropropene	7.79	75	208246	49.216	ug/l	100
37) Ethyl Acetate	6.93	43	197322	52.412	ug/l	100
38) Carbon Tetrachloride	7.77	117	197263	50.567	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	263806	50.049	ug/l	100
40) Benzene	8.04	78	649883	50.569	ug/l	99
41) Methacrylonitrile	7.17	41	83507	48.209	ug/l	86
42) 1,2-Dichloroethane	8.12	62	203582	49.247	ug/l	99
43) Isopropyl Acetate	8.17	43	316675	51.907	ug/l #	91
44) Trichloroethene	8.83	130	184432	49.943	ug/l	100
45) 1,2-Dichloropropane	9.12	63	164920	50.100	ug/l	99
46) Dibromomethane	9.21	93	108676	50.486	ug/l	99
47) Bromodichloromethane	9.40	83	202476	51.899	ug/l	98
48) Methyl methacrylate	9.20	41	150008	50.259	ug/l	97
49) 1,4-Dioxane	9.20	88	66059	1025.191	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	976226	255.882	ug/l	100
52) Toluene	10.15	92	407628	50.973	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	215937	47.343	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	248232	52.934	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	161161	50.876	ug/l	99
56) Ethyl methacrylate	10.43	69	241905	52.345	ug/l	98
57) 1,3-Dichloropropane	10.71	76	262499	50.975	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	420034	230.474	ug/l	100
59) 2-Hexanone	10.75	43	703355	254.367	ug/l	99
60) Dibromochloromethane	10.90	129	165595	47.526	ug/l	99
61) 1,2-Dibromoethane	11.00	107	166108	51.294	ug/l	98
64) Tetrachloroethene	10.63	164	184715	48.693	ug/l	98
65) Chlorobenzene	11.43	112	433591	49.713	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	156330	51.910	ug/l	100
67) Ethyl Benzene	11.51	91	764170	50.387	ug/l	99
68) m/p-Xylenes	11.62	106	588920	101.650	ug/l	99
69) o-Xylene	11.95	106	288446	50.614	ug/l	99
70) Styrene	11.96	104	478541	52.850	ug/l	99
71) Bromoform	12.13	173	119907	47.565	ug/l #	99
73) Isopropylbenzene	12.25	105	752432	52.445	ug/l	99
74) N-amyl acetate	12.07	43	261507	48.630	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	220069	46.993	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	259438	69.893	ug/l #	100
77) Bromobenzene	12.53	156	203383	47.090	ug/l	95
78) n-propylbenzene	12.59	91	818400	47.954	ug/l	100
79) 2-Chlorotoluene	12.67	91	494157	52.310	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	624758	46.061	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	57584	51.662	ug/l	93
82) 4-Chlorotoluene	12.77	91	479233	47.997	ug/l	99
83) tert-Butylbenzene	12.99	119	553166	52.711	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	620834	48.268	ug/l	99
85) sec-Butylbenzene	13.17	105	716195	47.387	ug/l	99
86) p-Isopropyltoluene	13.29	119	655718	48.477	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	330781	49.484	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	316971	49.293	ug/l	99
89) n-Butylbenzene	13.61	91	505868	50.485	ug/l	100
90) Hexachloroethane	13.87	117	101203	49.612	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	327933	48.591	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35483	52.974	ug/l	99

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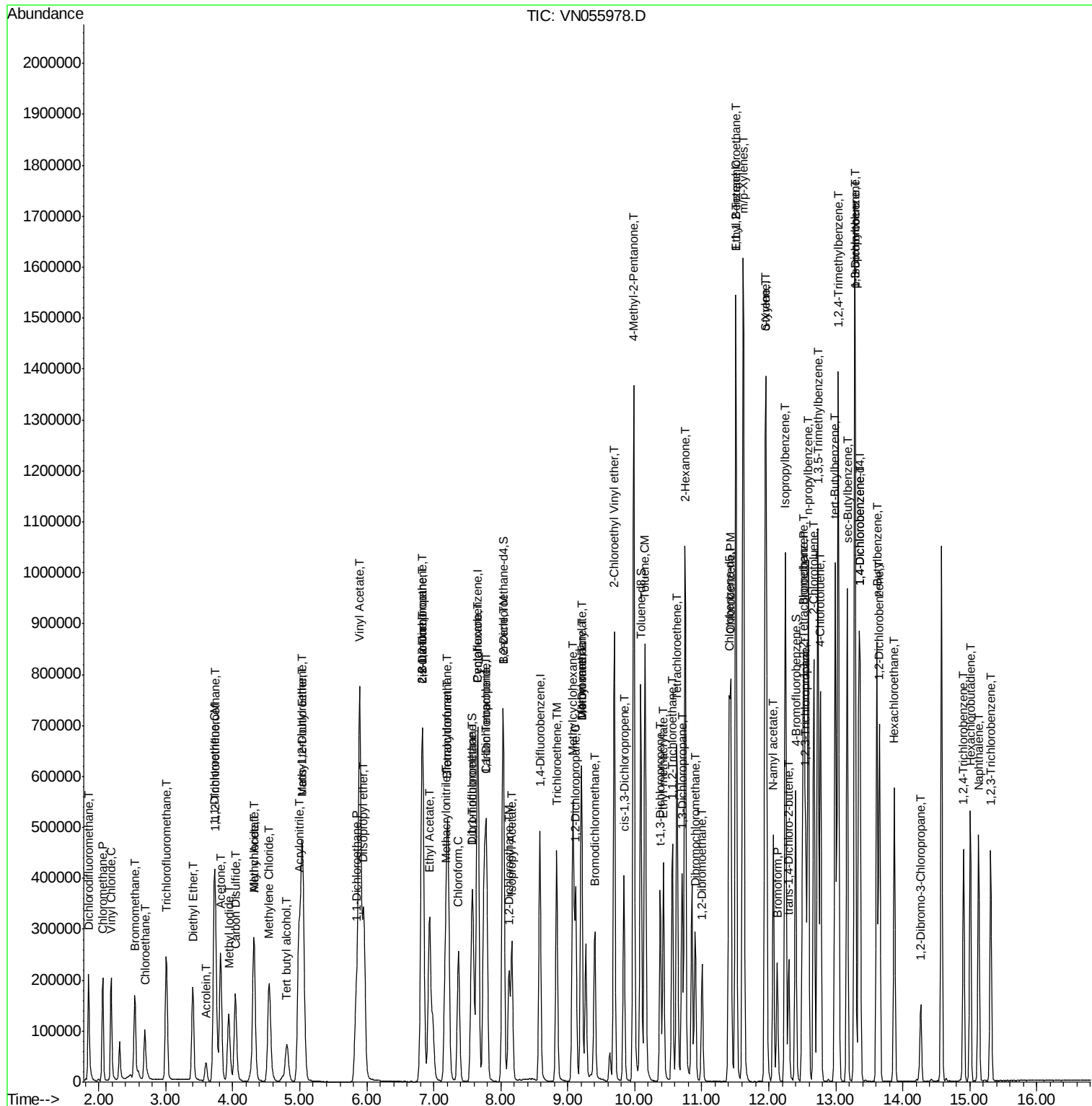
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	164609	44.751	ug/l	100
94) Hexachlorobutadiene	15.01	225	119657	51.768	ug/l	99
95) Naphthalene	15.13	128	439695	45.911	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	176252	46.715	ug/l	99

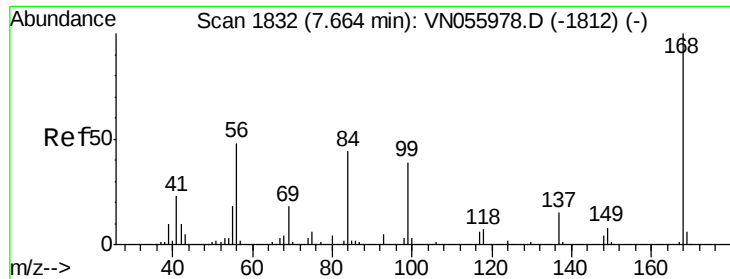
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

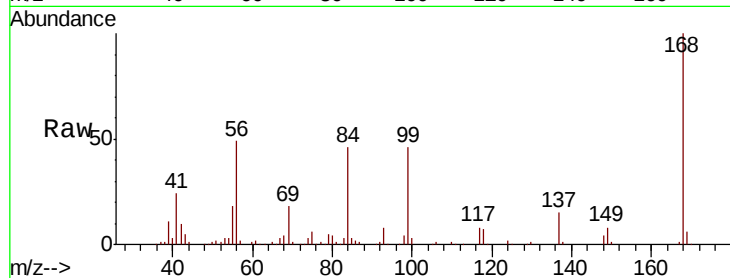
VSTDICCC050

Tot Ion:168 Resp: 339553

Ion Ratio Lower Upper

168 100

99 45.7 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

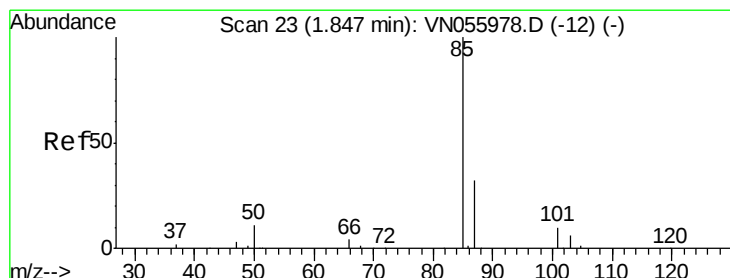
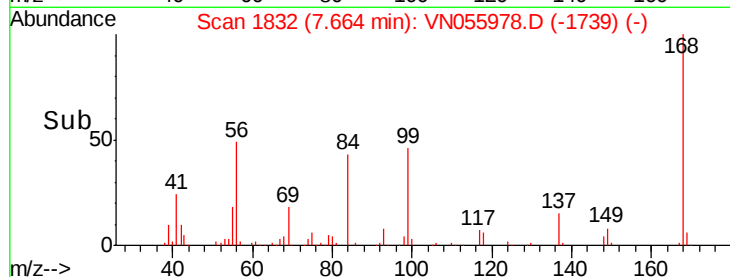
100000

50000

0

Time-->

7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 50.347 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055978.D

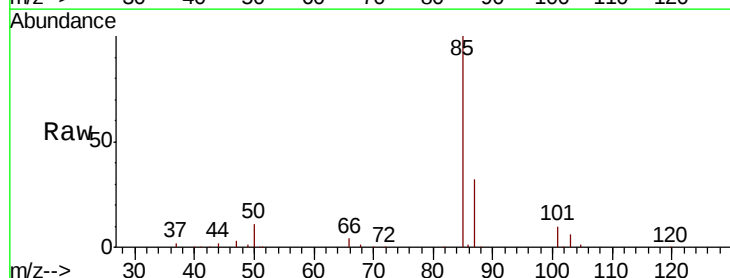
Acq: 4 Jun 2019 9:37

Tgt Ion: 85 Resp: 187819

Ion Ratio Lower Upper

85 100

87 32.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

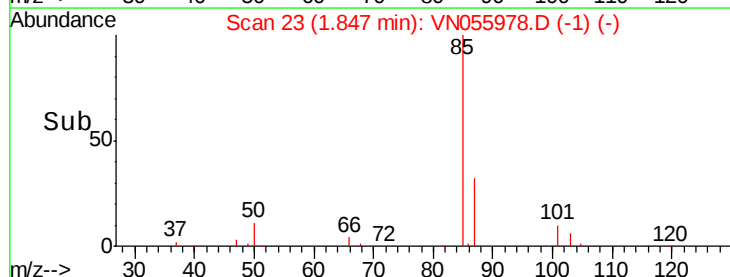
100000

50000

0

Time-->

1.80 1.90 2.00





#3

Chloromethane

Concen: 52.628 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

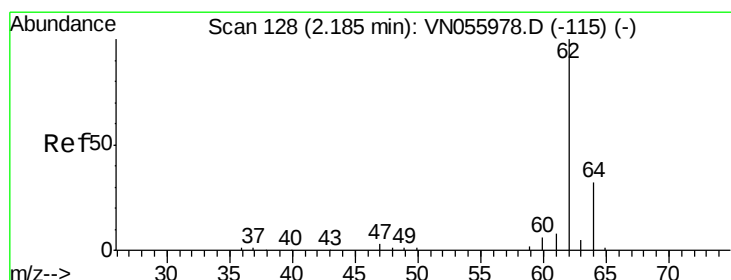
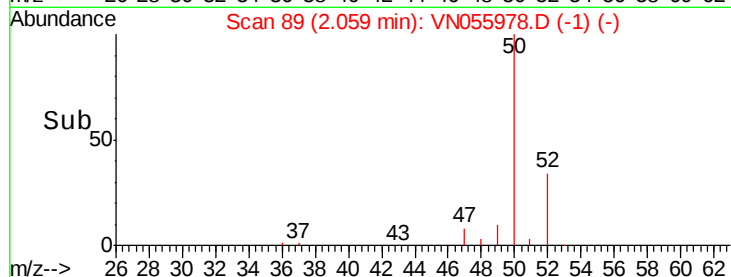
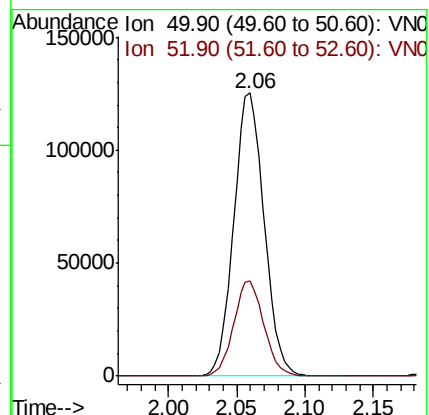
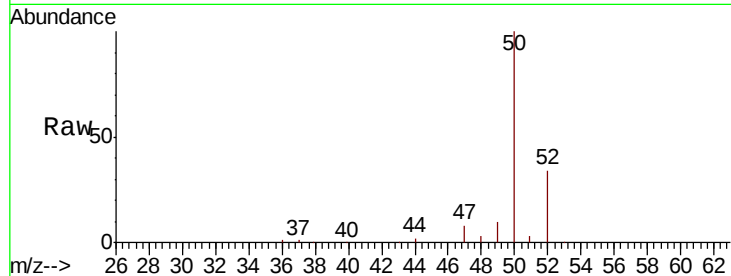
VSTDICCC050

Tot Ion: 50 Resp: 193713

Ion Ratio Lower Upper

50 100

52 33.6 26.6 40.0



#4

Vinyl Chloride

Concen: 52.791 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055978.D

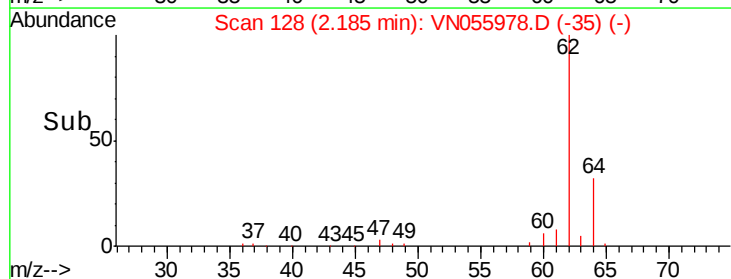
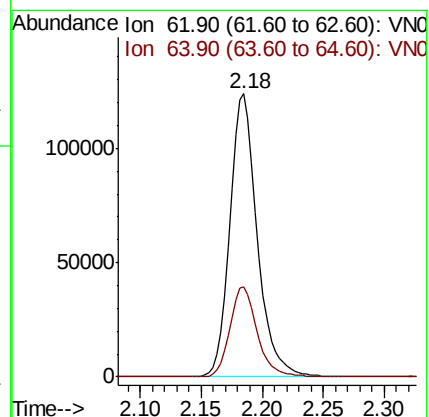
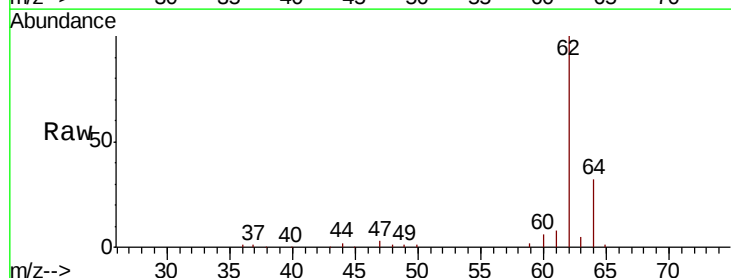
Acq: 4 Jun 2019 9:37

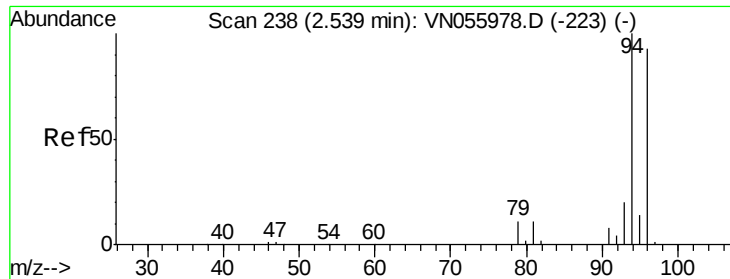
Tgt Ion: 62 Resp: 194913

Ion Ratio Lower Upper

62 100

64 31.6 25.6 38.4

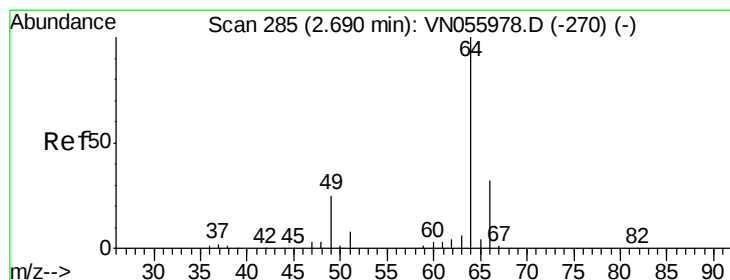
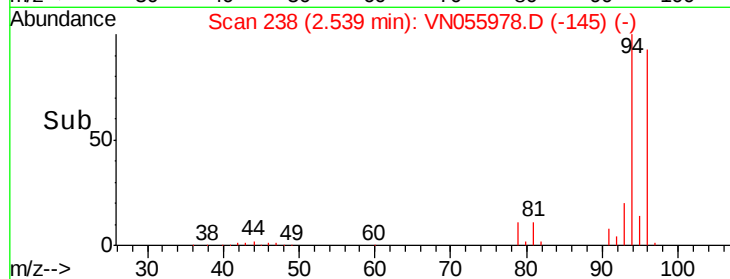
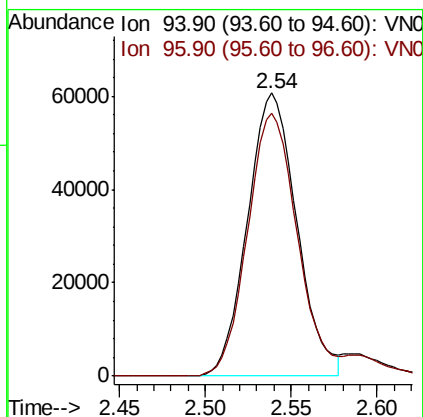
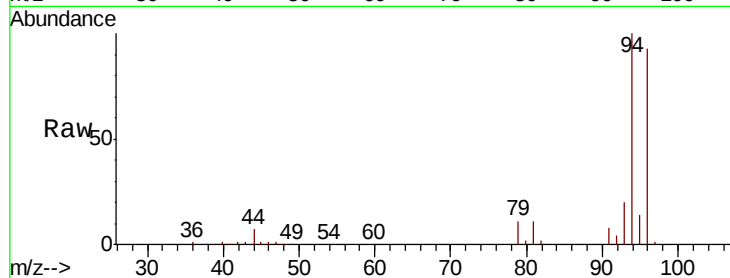




#5
Bromomethane
Concen: 51.796 ug/l
RT: 2.54 min Scan# 238
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

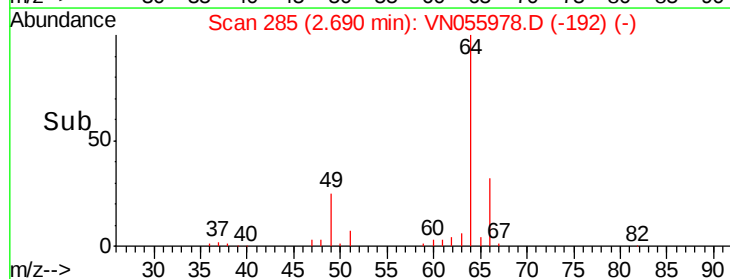
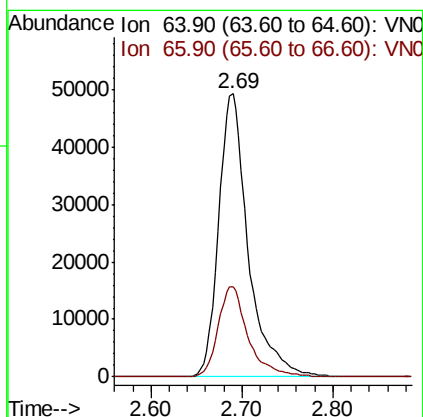
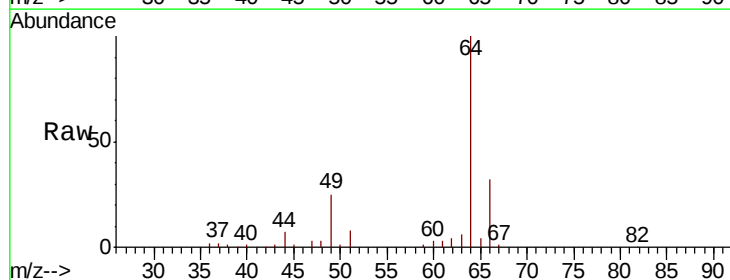
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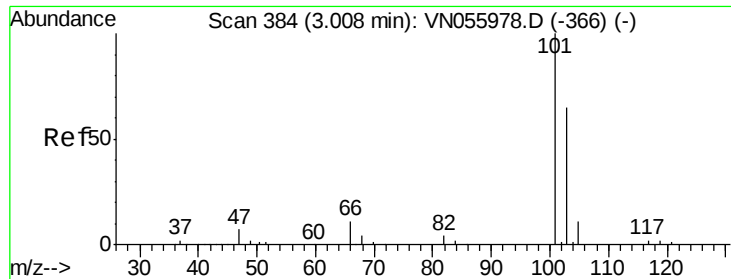
Tot Ion: 94 Resp: 120805
Ion Ratio Lower Upper
94 100
96 92.9 75.5 113.3



#6
Chloroethane
Concen: 51.880 ug/l
RT: 2.69 min Scan# 285
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Tgt Ion: 64 Resp: 111059
Ion Ratio Lower Upper
64 100
66 32.0 25.4 38.0



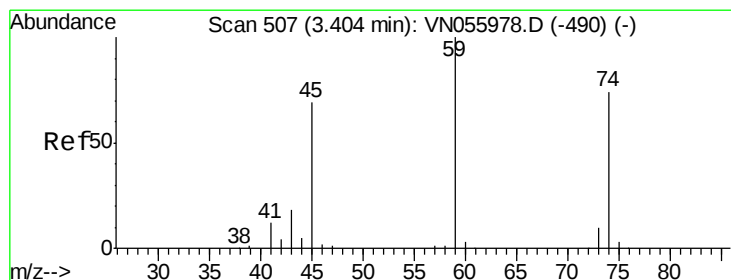
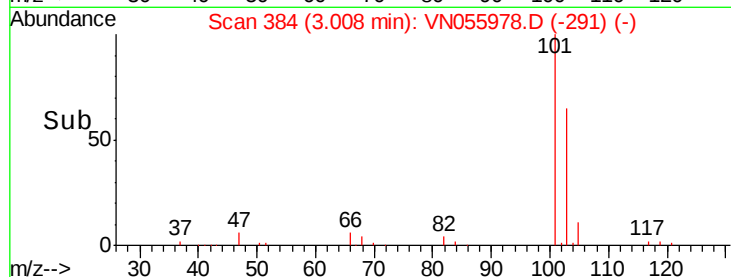
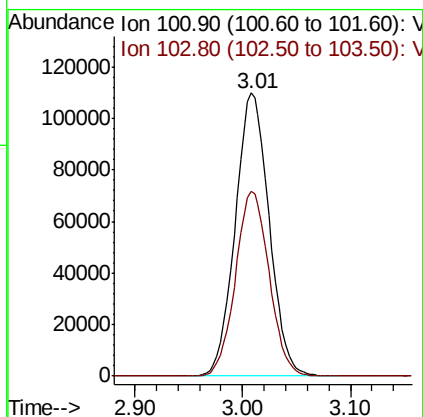
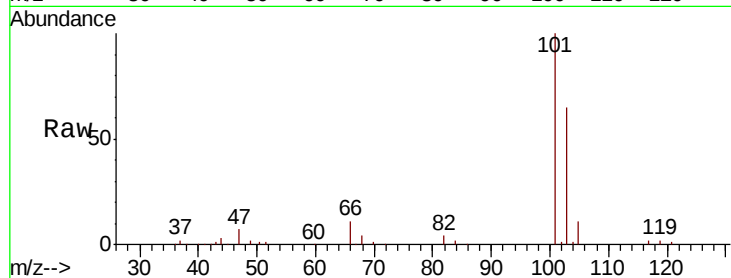


#7

Trichlorofluoromethane
 Concen: 50.965 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN055978.D
 Acq: 4 Jun 2019 9:37

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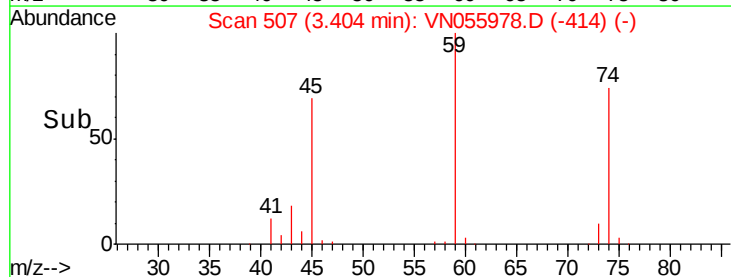
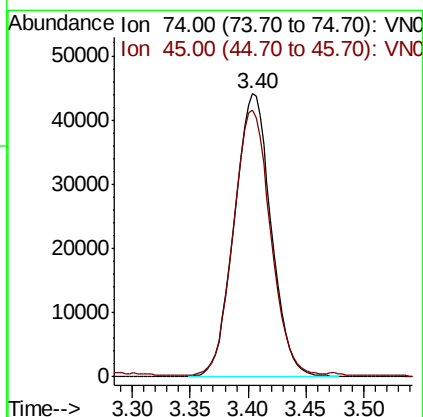
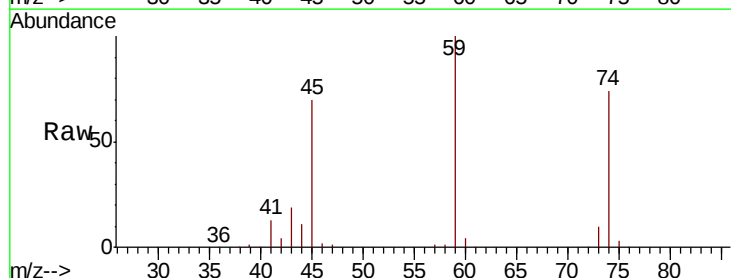
Tot Ion:101 Resp: 240221
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.2 76.8

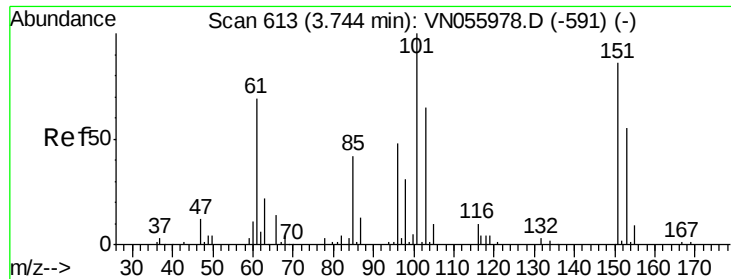


#8

Diethyl Ether
 Concen: 50.044 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055978.D
 Acq: 4 Jun 2019 9:37

Tgt Ion: 74 Resp: 97002
 Ion Ratio Lower Upper
 74 100
 45 93.9 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.663 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

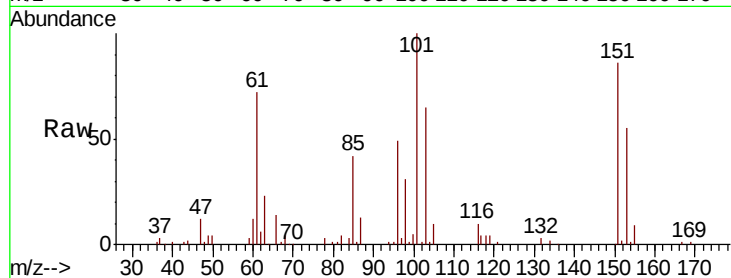
Tot Ion:101 Resp: 145059

Ion Ratio Lower Upper

101 100

85 42.1 33.4 50.2

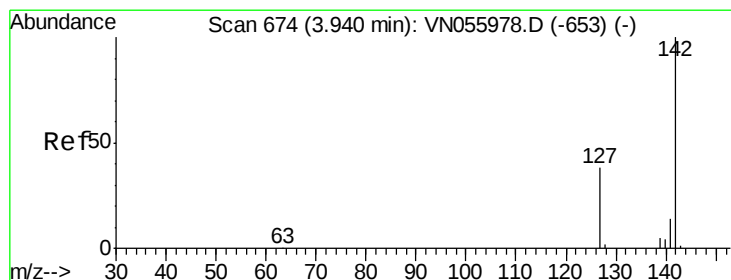
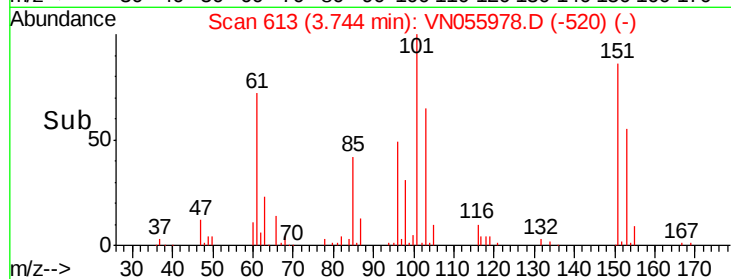
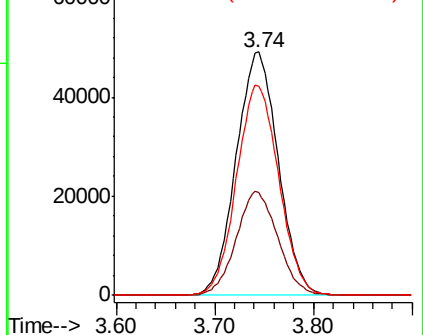
151 86.7 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.355 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

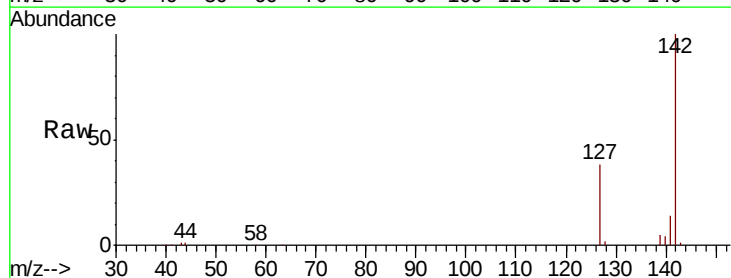
Tgt Ion:142 Resp: 233666

Ion Ratio Lower Upper

142 100

127 38.3 31.0 46.4

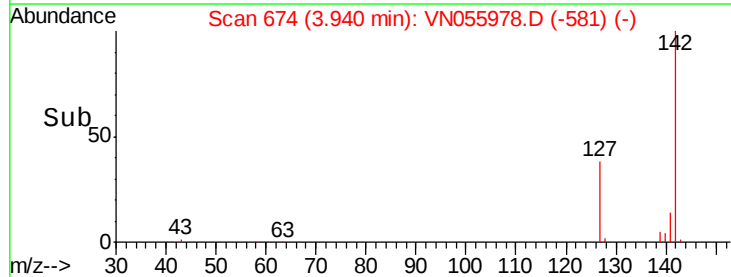
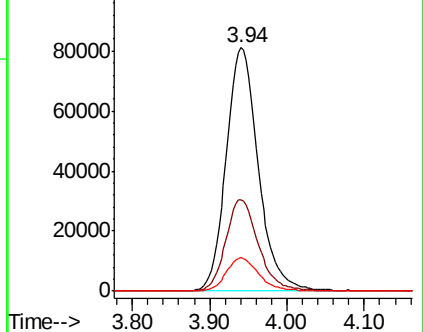
141 13.9 11.4 17.0

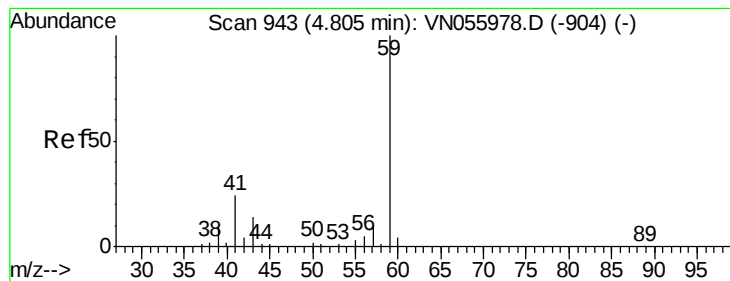


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



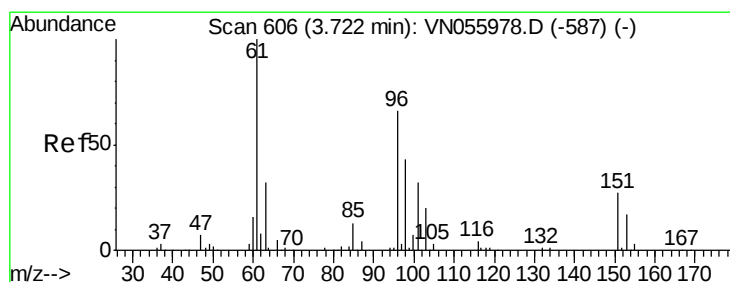
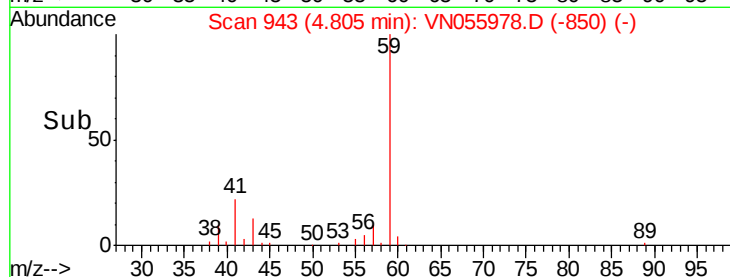
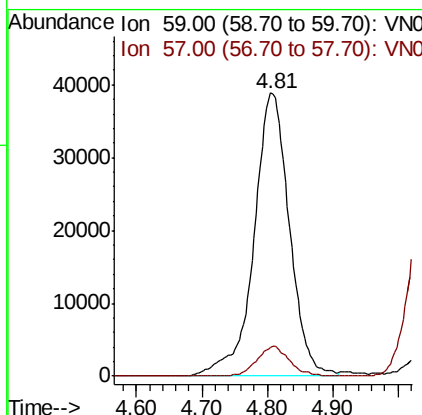
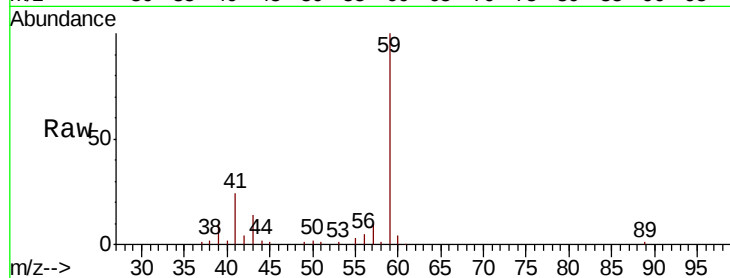


#11

Tert butyl alcohol
 Concen: 250.132 ug/l
 RT: 4.81 min Scan# 943
 Delta R.T. 0.00 min
 Lab File: VN055978.D
 Acq: 4 Jun 2019 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

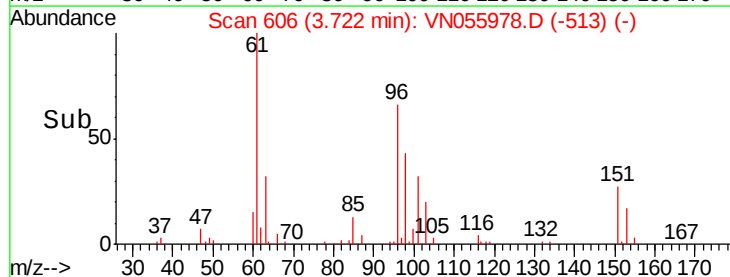
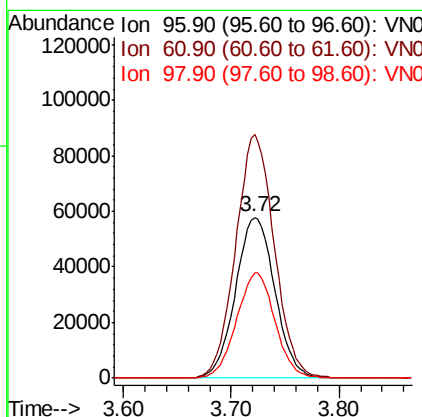
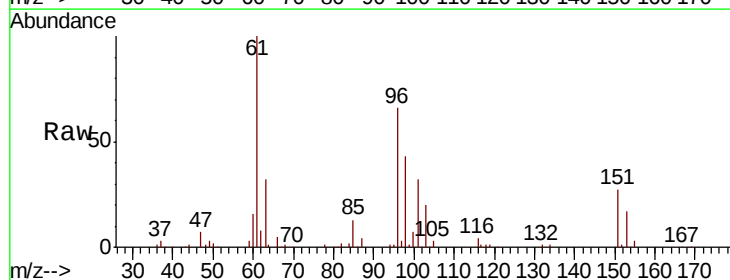
Tot Ion: 59 Resp: 146755
 Ion Ratio Lower Upper
 59 100
 57 9.6 7.8 11.6

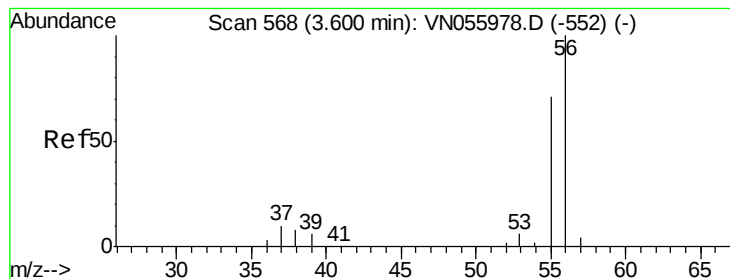


#12

1,1-Dichloroethene
 Concen: 51.426 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN055978.D
 Acq: 4 Jun 2019 9:37

Tgt Ion: 96 Resp: 146589
 Ion Ratio Lower Upper
 96 100
 61 151.7 123.2 184.8
 98 65.8 50.4 75.6





#13

Acrolein

Concen: 247.844 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

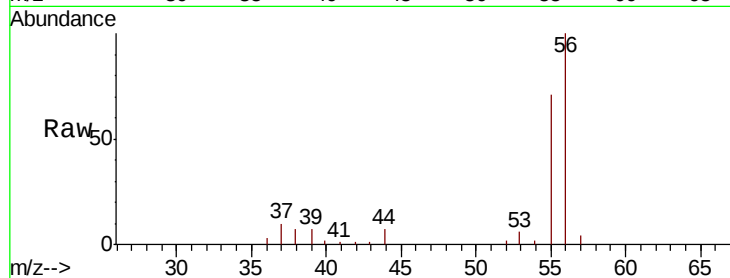
VSTDICCC050

Tot Ion: 56 Resp: 41938

Ion Ratio Lower Upper

56 100

55 71.1 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN055978.D (-552) (-)

Ion 55.00 (54.70 to 55.70): VN055978.D (-552) (-)

3.60

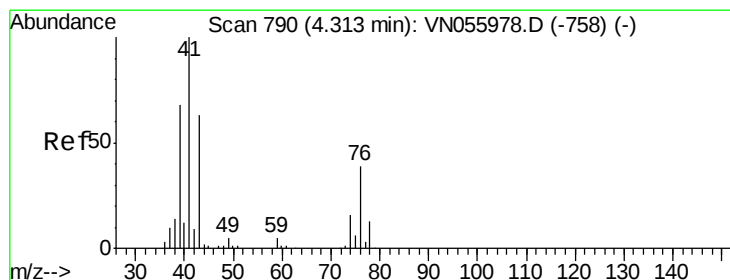
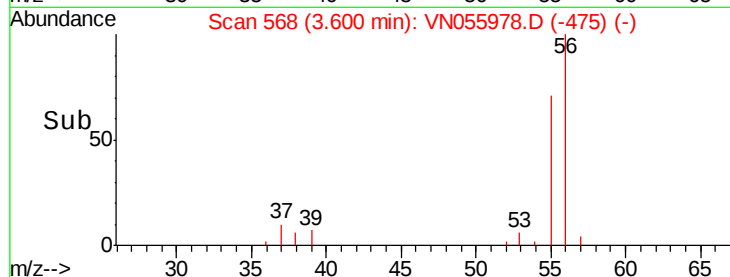
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 51.309 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

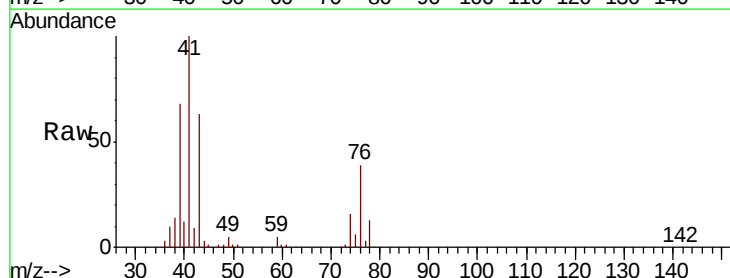
Tgt Ion: 41 Resp: 230947

Ion Ratio Lower Upper

41 100

39 63.2 50.0 75.0

76 35.3 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VN055978.D (-758) (-)

Ion 39.00 (38.70 to 39.70): VN055978.D (-758) (-)

Ion 75.90 (75.60 to 76.60): VN055978.D (-758) (-)

4.31

100000

80000

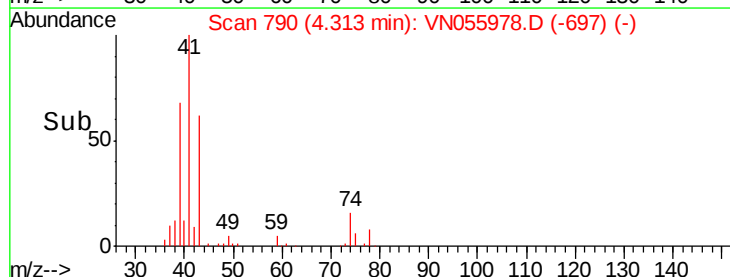
60000

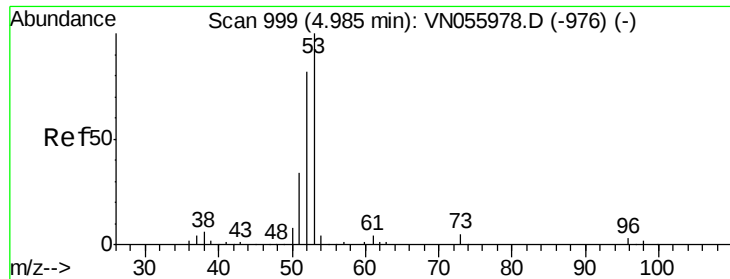
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 264.095 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

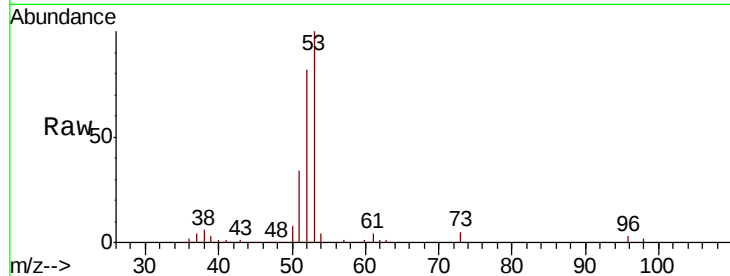
MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 53 Resp: 377185

Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.8	98.8
51	34.8	28.2	42.4

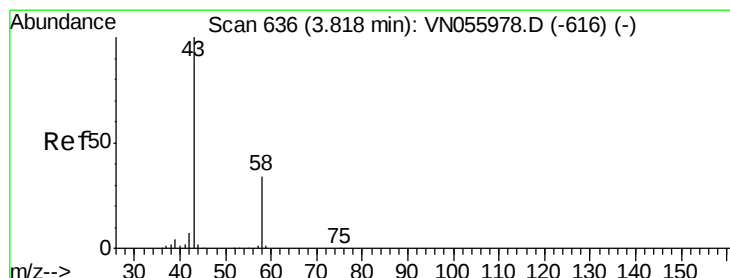
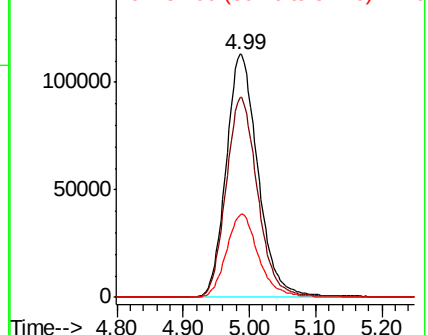
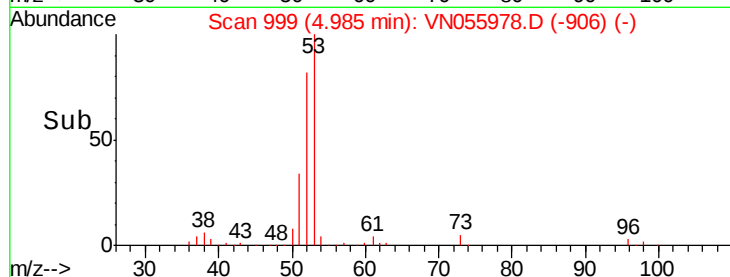


Abundance

Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 255.865 ug/l

RT: 3.82 min Scan# 636

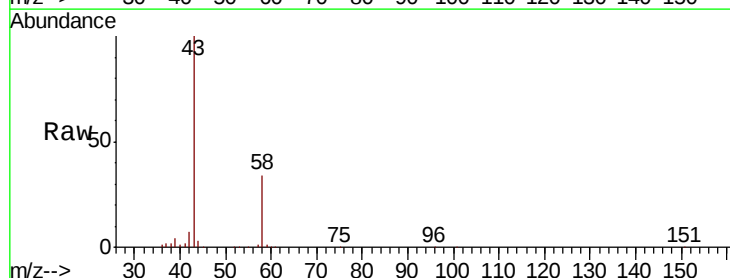
Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Tgt Ion: 43 Resp: 412575

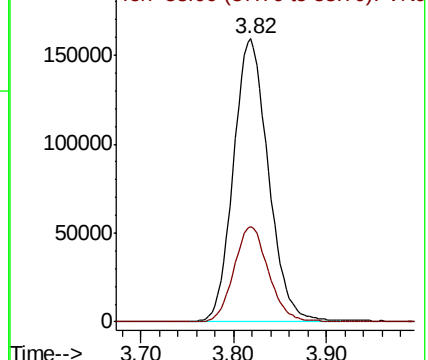
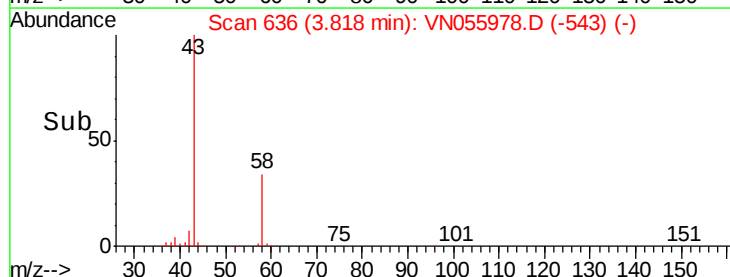
Ion	Ratio	Lower	Upper
43	100		
58	33.5	26.6	39.8

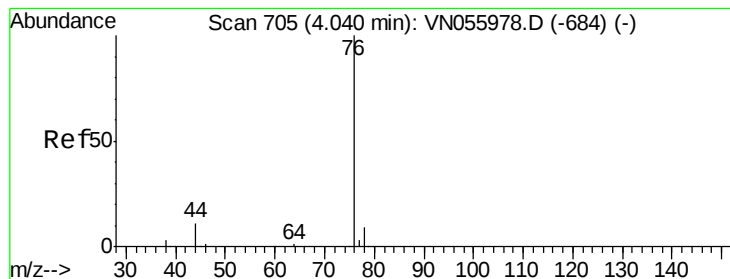


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 52.627 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

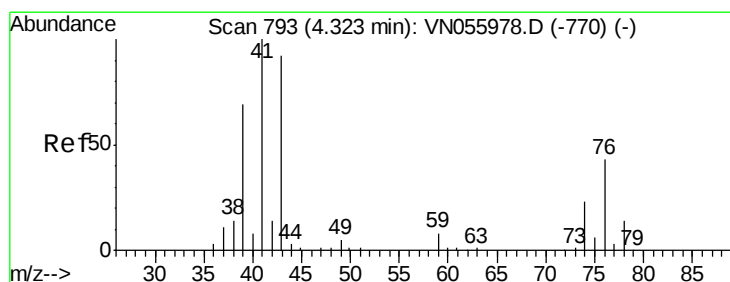
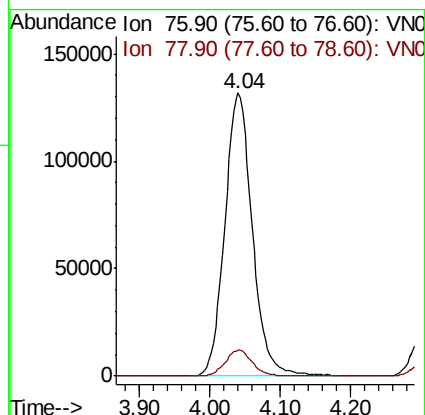
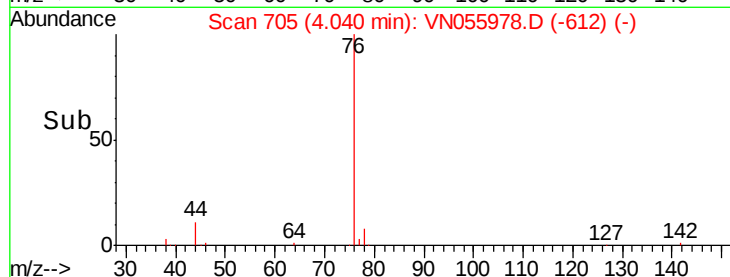
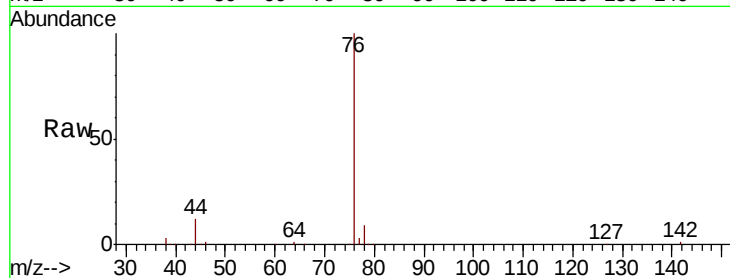
VSTDICCC050

Tot Ion: 76 Resp: 359185

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2



#18

Methyl Acetate

Concen: 49.786 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN055978.D

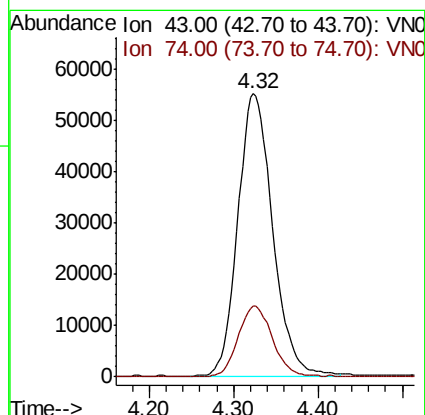
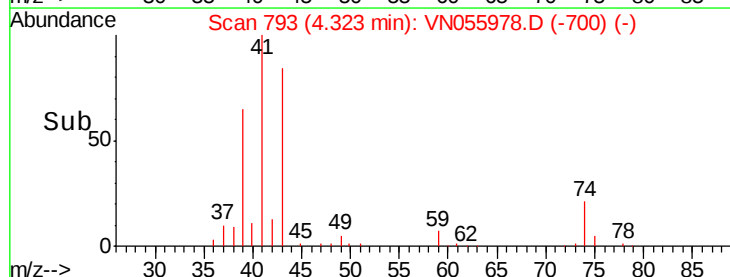
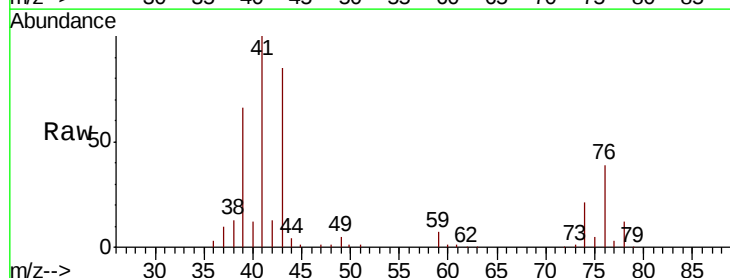
Acq: 4 Jun 2019 9:37

Tgt Ion: 43 Resp: 157699

Ion Ratio Lower Upper

43 100

74 25.0 19.3 28.9

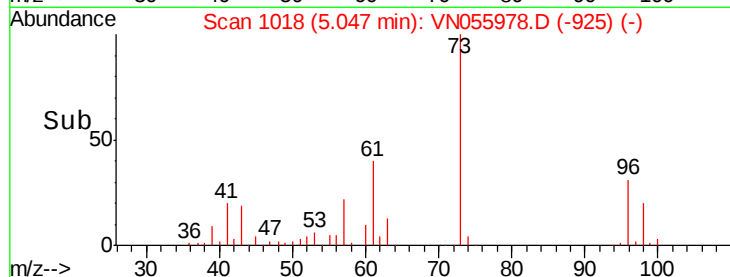
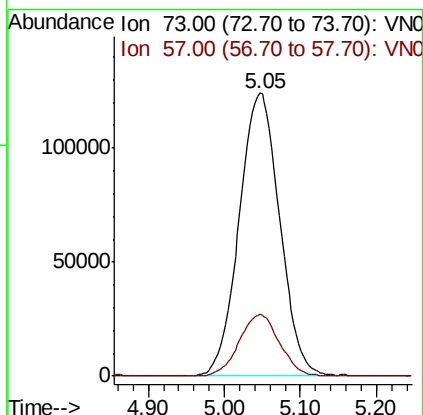
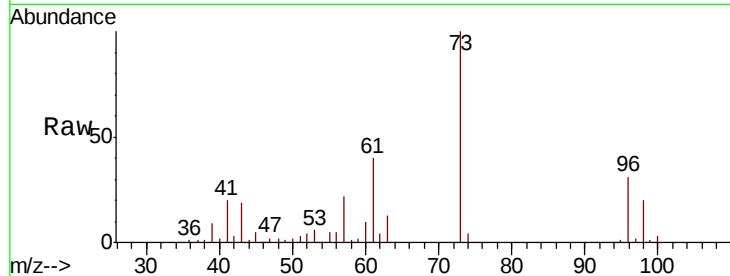




#19
Methvl tert-butvl Ether
Concen: 50.618 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

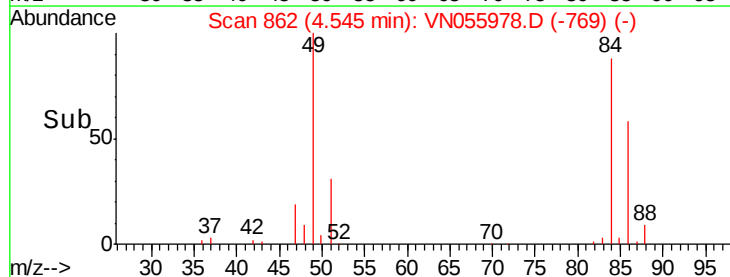
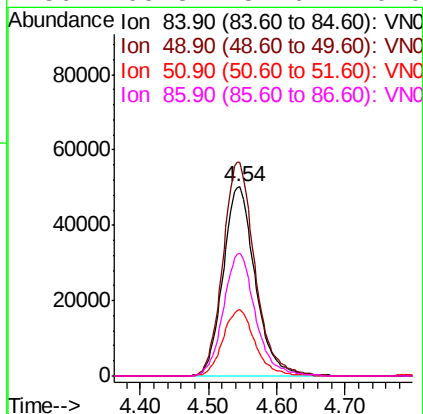
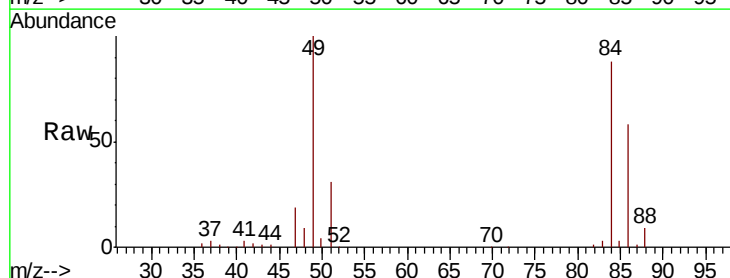
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

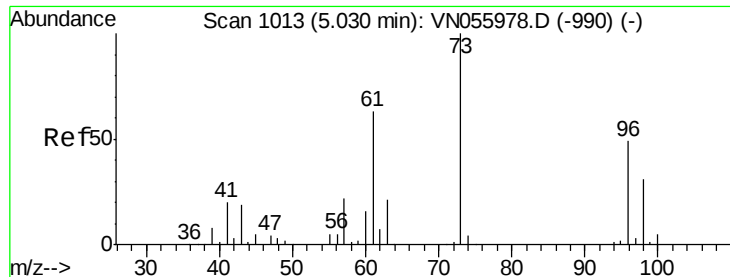
Tot Ion: 73 Resp: 459915
Ion Ratio Lower Upper
73 100
57 21.7 17.8 26.8



#20
Methylene Chloride
Concen: 49.485 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Tgt Ion: 84 Resp: 164394
Ion Ratio Lower Upper
84 100
49 113.1 93.5 140.3
51 35.3 28.6 43.0
86 65.3 52.6 79.0

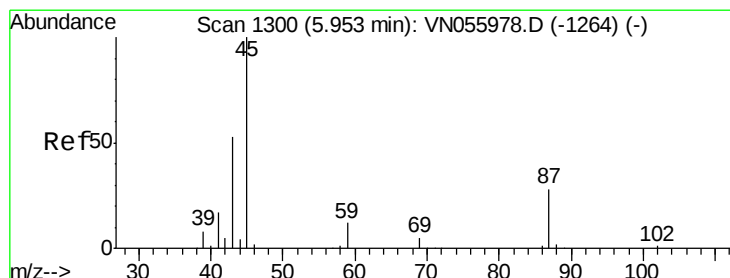
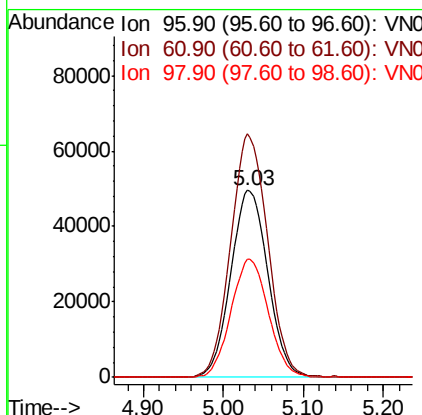
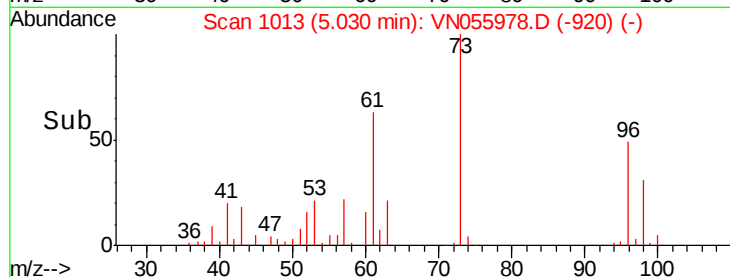
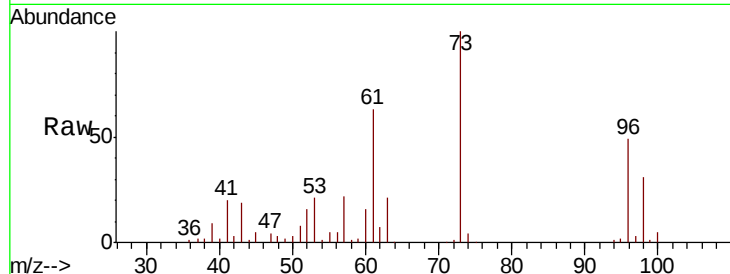




#21
trans-1,2-Dichloroethene
Concen: 51.082 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

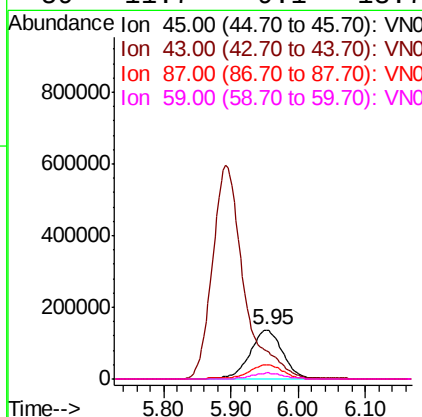
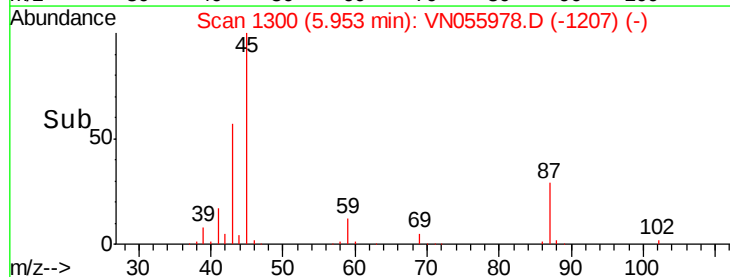
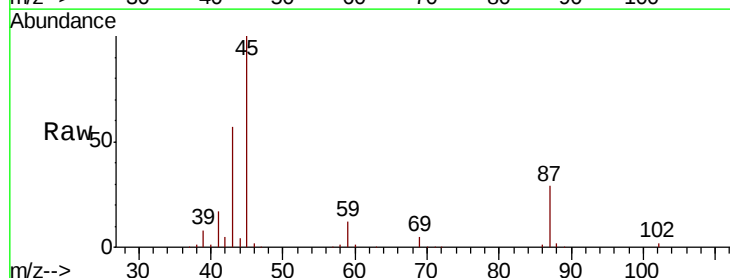
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

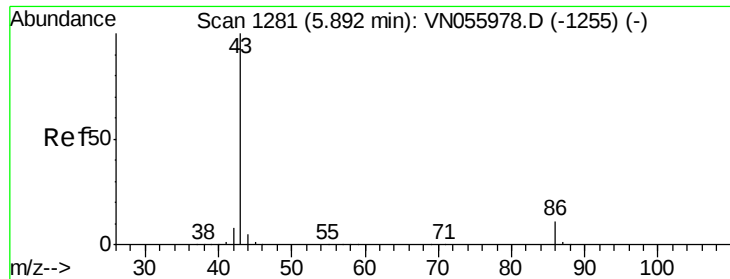
Tot Ion: 96 Resp: 156013
Ion Ratio Lower Upper
96 100
61 130.3 107.8 161.8
98 63.2 49.8 74.8



#22
Diisopropyl ether
Concen: 49.999 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Tgt Ion: 45 Resp: 465214
Ion Ratio Lower Upper
45 100
43 55.4 45.0 67.6
87 29.1 22.2 33.4
59 11.7 9.1 13.7





#23

Vinyl Acetate

Concen: 265.632 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

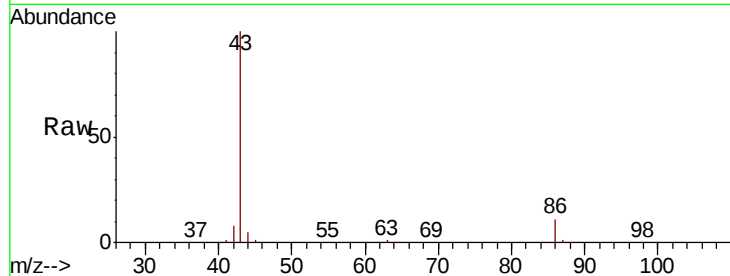
VSTDICCC050

Tot Ion: 43 Resp: 1946348

Ion Ratio Lower Upper

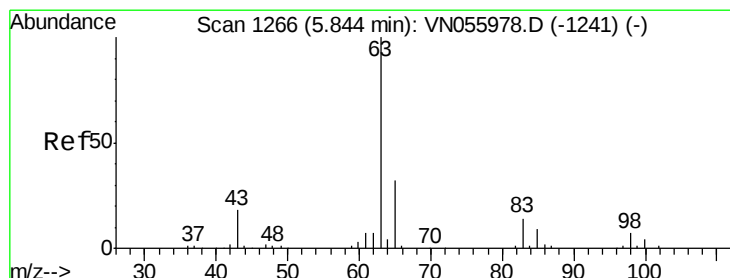
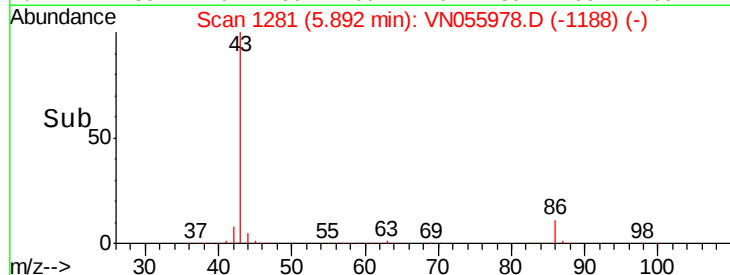
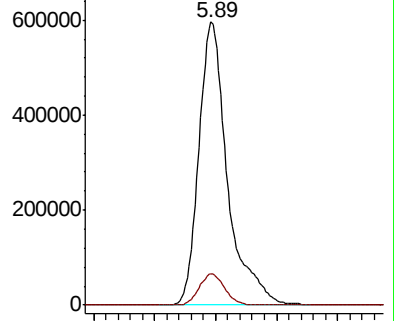
43 100

86 11.0 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1255) (-)

Ion 86.00 (85.70 to 86.70): VN055978.D (-1255) (-)



#24

1,1-Dichloroethane

Concen: 50.688 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

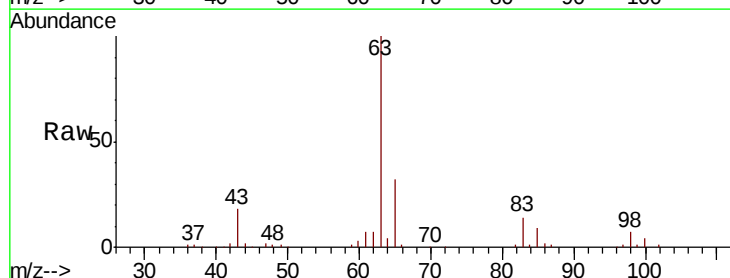
Tgt Ion: 63 Resp: 272051

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

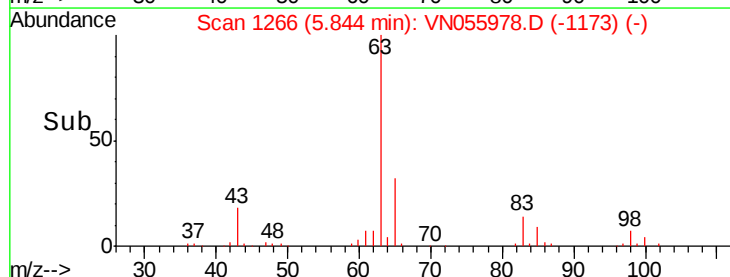
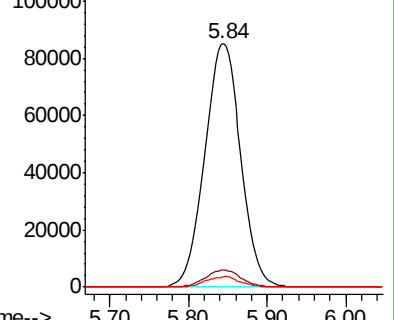
100 4.2 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN055978.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN055978.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN055978.D (-1241) (-)

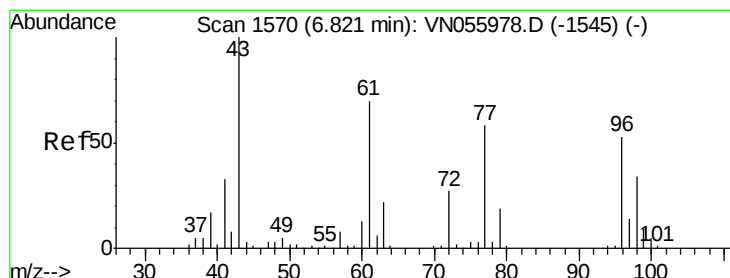
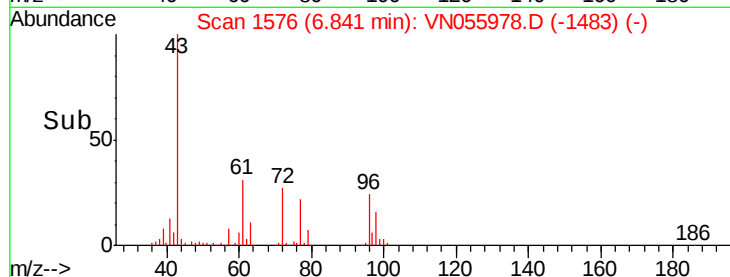
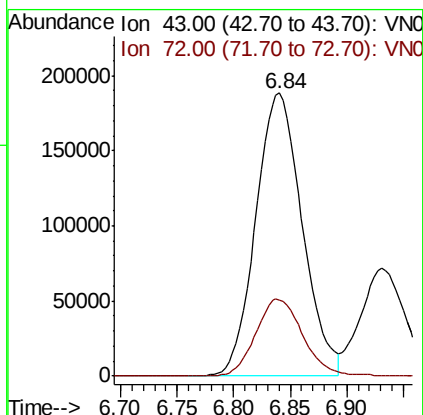
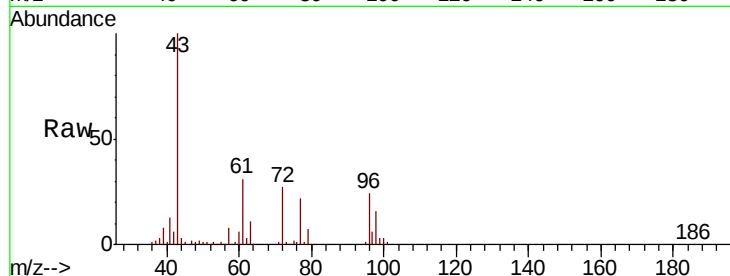




#25
2-Butanone
Concen: 262.341 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

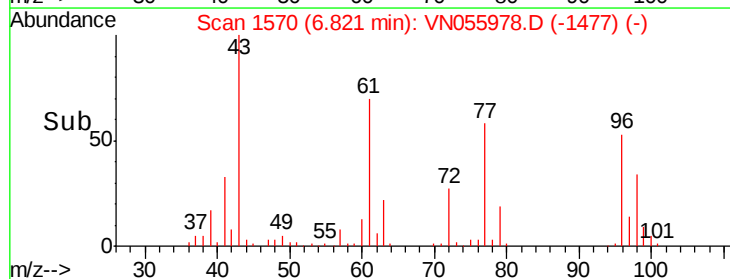
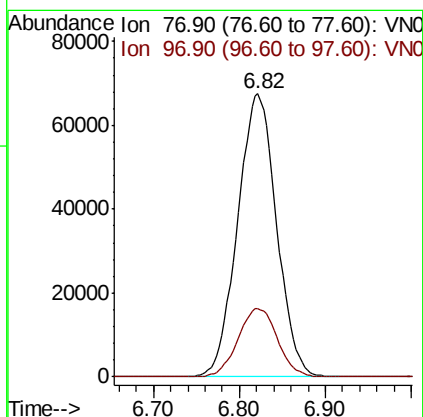
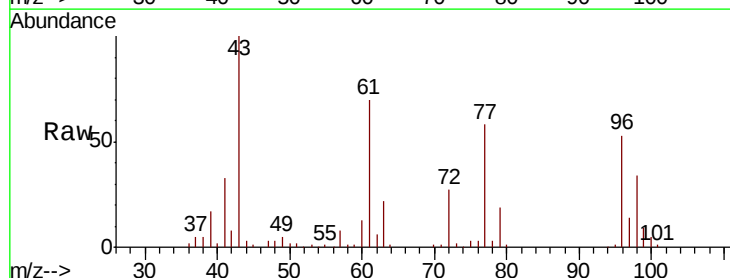
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 534470
Ion Ratio Lower Upper
43 100
72 27.0 21.9 32.9



#26
2,2-Dichloropropane
Concen: 50.720 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Tgt Ion: 77 Resp: 212419
Ion Ratio Lower Upper
77 100
97 24.5 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 50.841 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

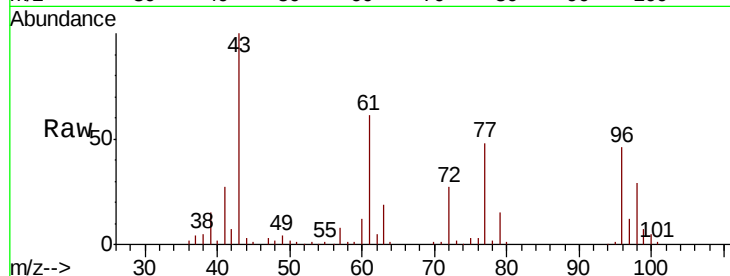
Tot Ion: 96 Resp: 182524

Ion Ratio Lower Upper

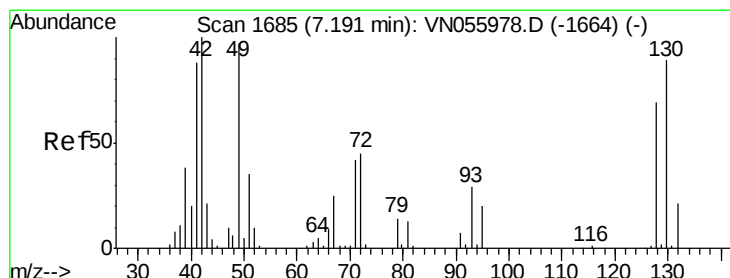
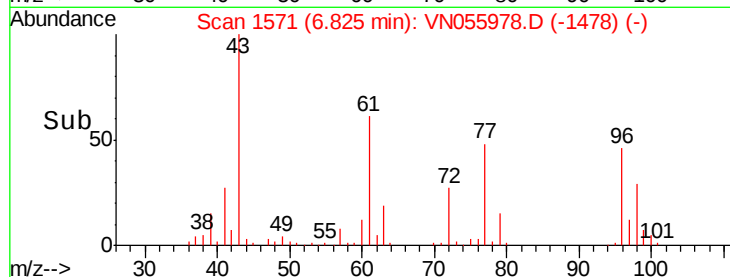
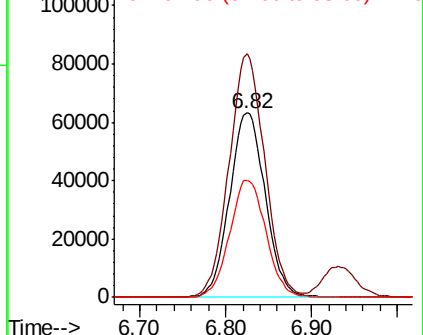
96 100

61 131.9 0.0 275.8

98 64.3 0.0 128.4



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



#28

Bromochloromethane

Concen: 52.410 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

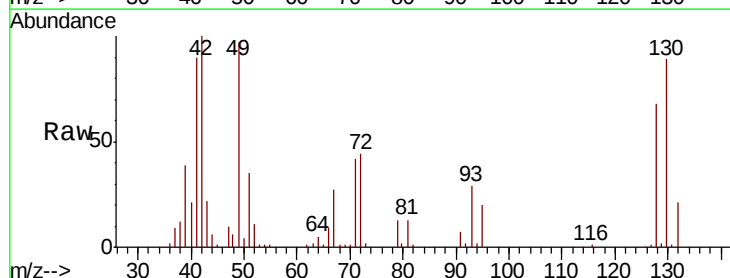
Tgt Ion: 49 Resp: 133022

Ion Ratio Lower Upper

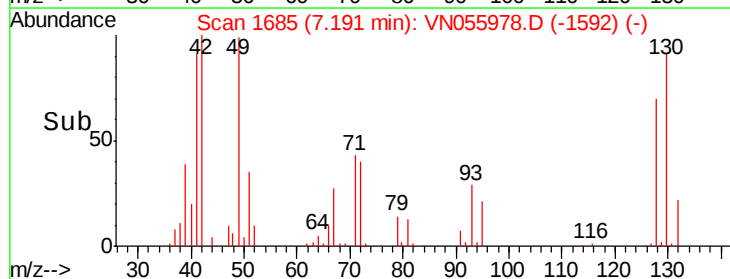
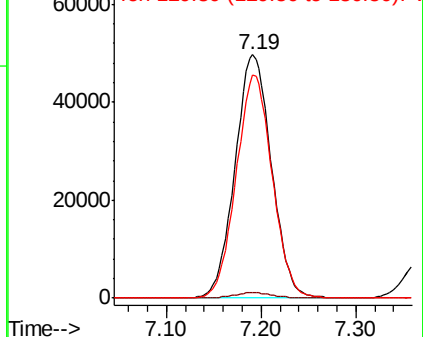
49 100

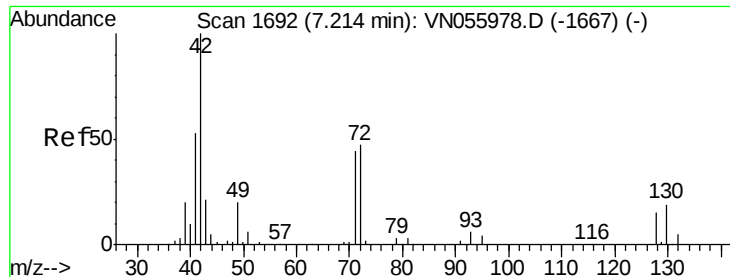
129 2.2 0.0 4.4

130 90.6 71.2 106.8



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





#29

Tetrahydrofuran

Concen: 257.892 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

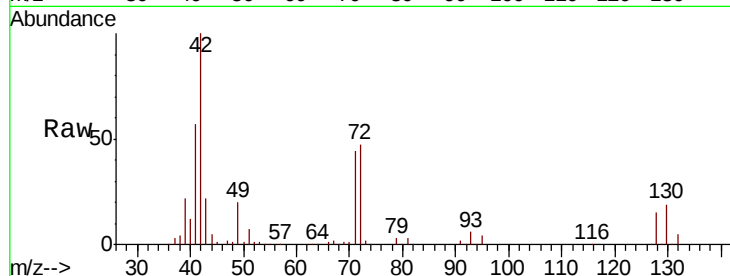
Tot Ion: 42 Resp: 324774

Ion Ratio Lower Upper

42 100

72 45.8 35.9 53.9

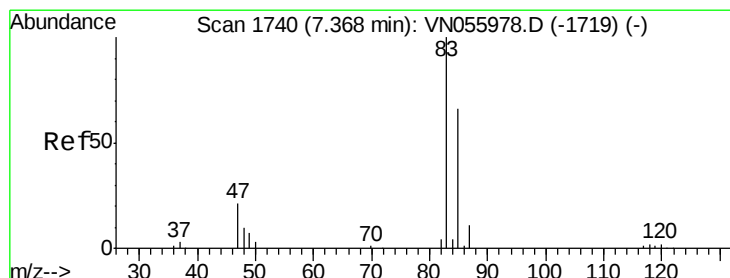
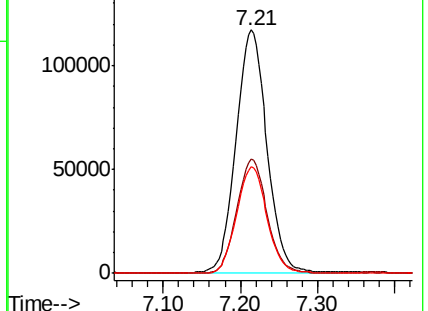
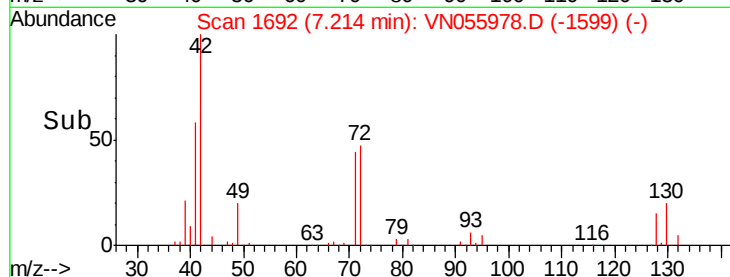
71 43.3 34.0 51.0



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 50.812 ug/l

RT: 7.37 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VN055978.D

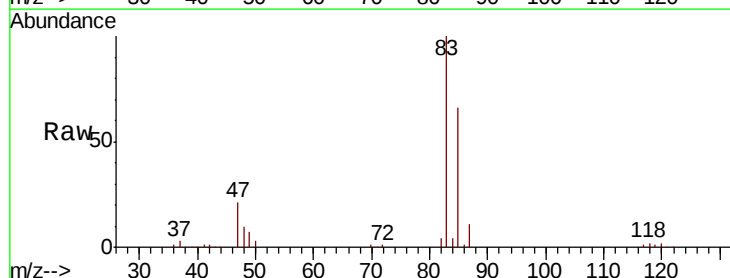
Acq: 4 Jun 2019 9:37

Tgt Ion: 83 Resp: 274345

Ion Ratio Lower Upper

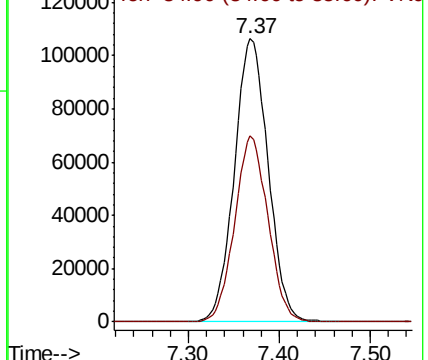
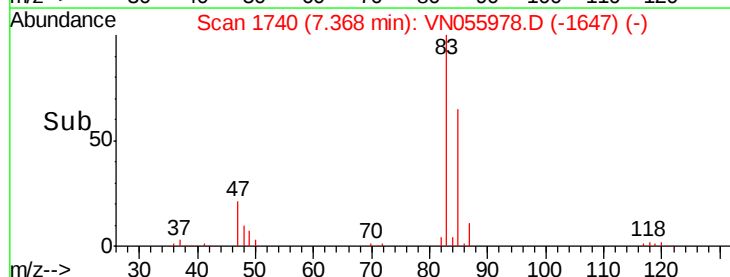
83 100

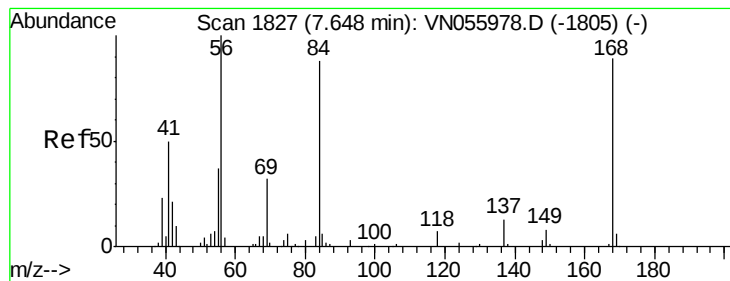
85 65.6 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 48.437 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

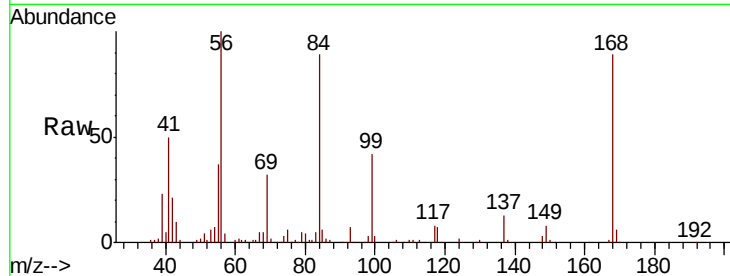
Tot Ion: 56 Resp: 259128

Ion Ratio Lower Upper

56 100

69 32.0 25.6 38.4

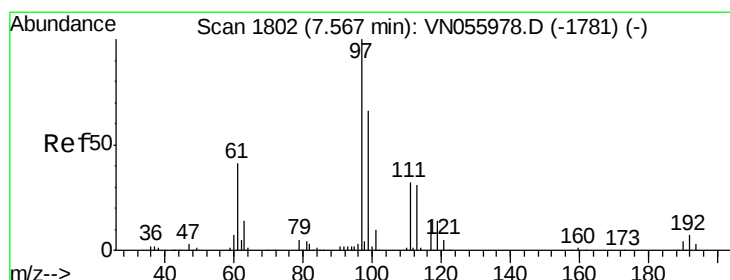
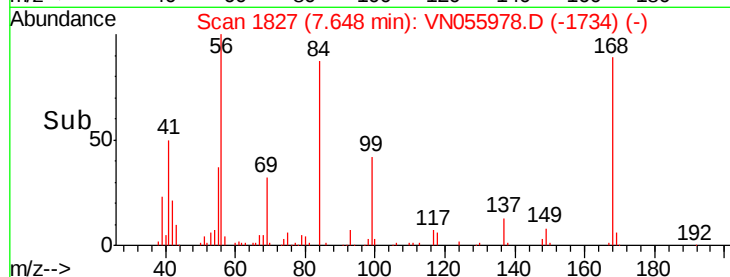
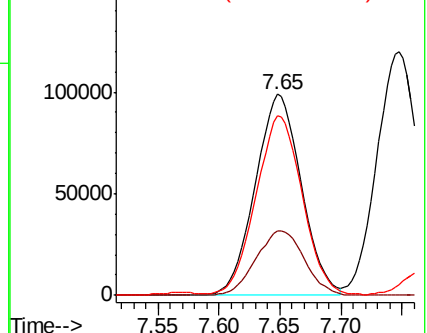
84 87.8 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN055978.D (-1805) (-)

Ion 69.00 (68.70 to 69.70): VN055978.D (-1805) (-)

Ion 84.00 (83.70 to 84.70): VN055978.D (-1805) (-)



#32

1,1,1-Trichloroethane

Concen: 51.281 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

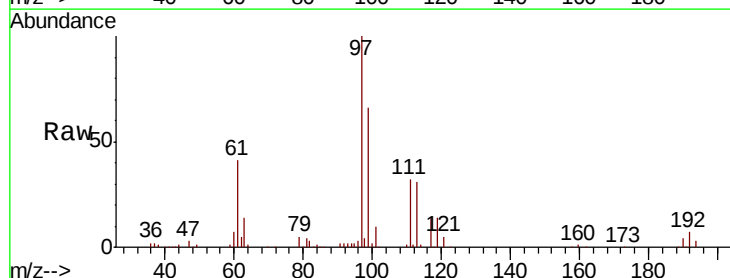
Tgt Ion: 97 Resp: 231209

Ion Ratio Lower Upper

97 100

99 64.5 52.0 78.0

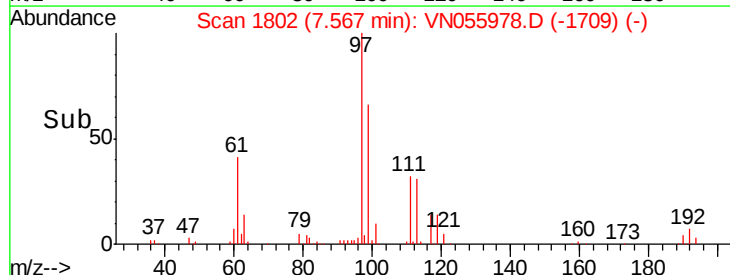
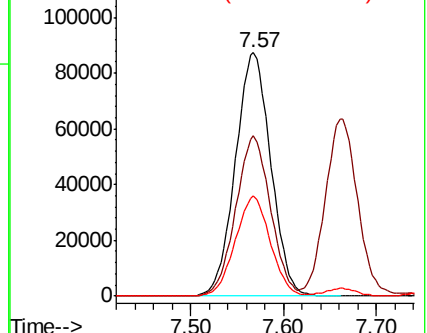
61 40.6 32.9 49.3

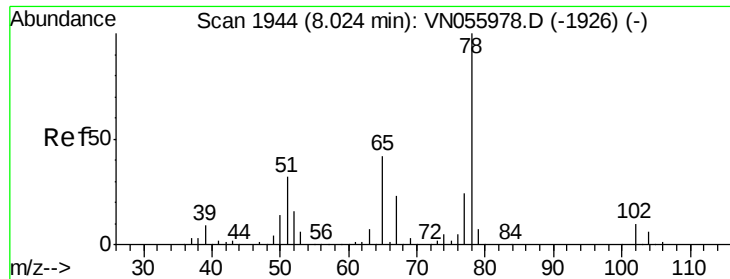


Abundance Ion 96.90 (96.60 to 97.60): VN055978.D (-1781) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1781) (-)

Ion 60.90 (60.60 to 61.60): VN055978.D (-1781) (-)

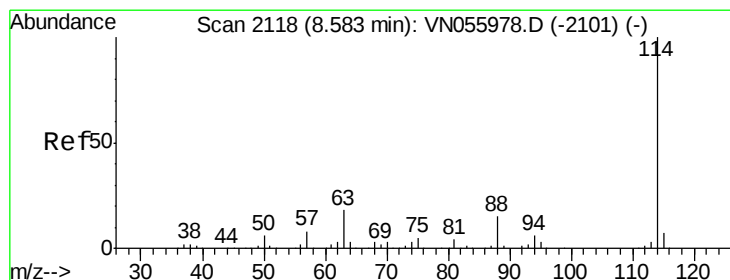
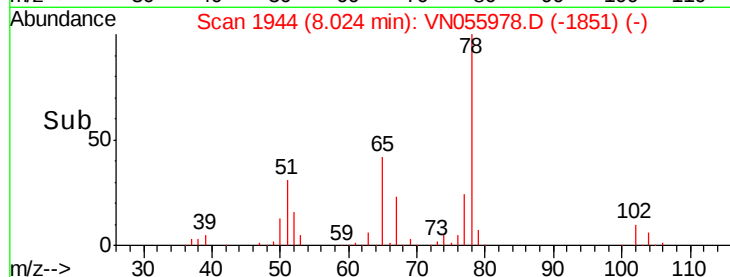
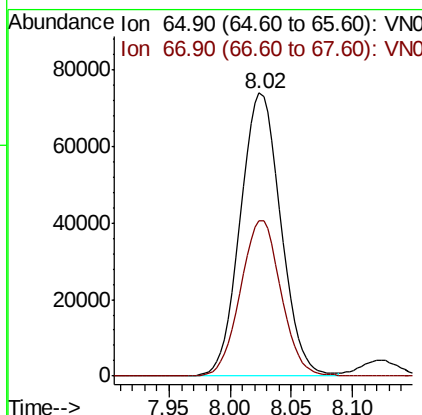
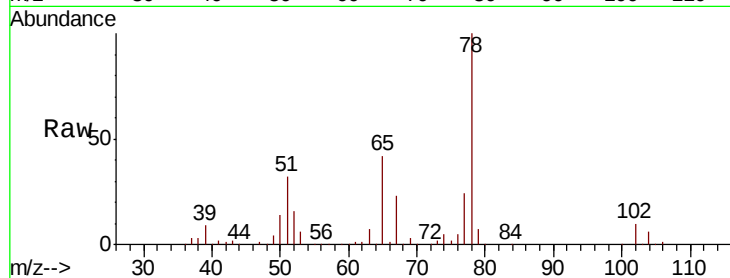




#33
 1,2-Dichloroethane-d4
 Concen: 50.378 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055978.D
 Acq: 4 Jun 2019 9:37

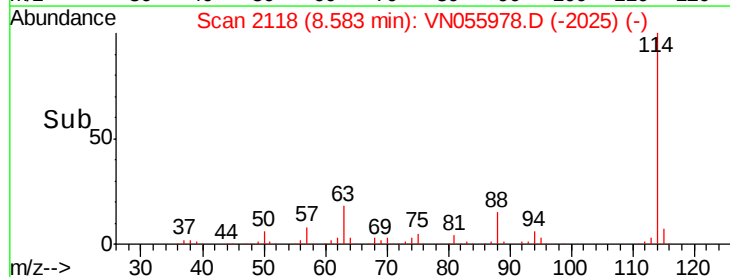
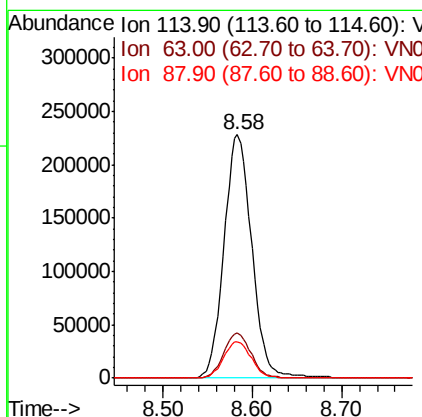
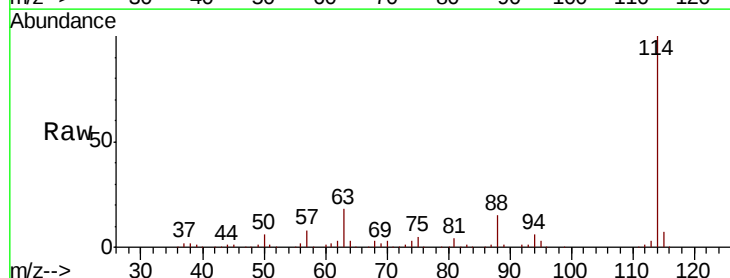
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

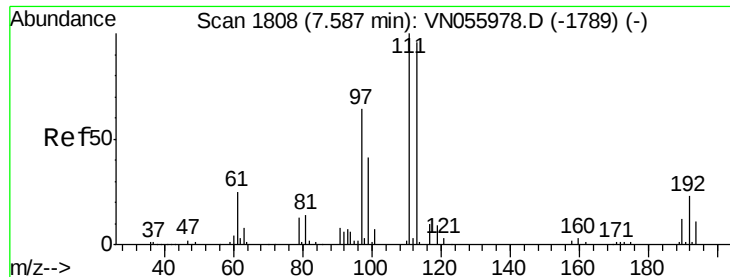
Tot Ion: 65 Resp: 169848
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055978.D
 Acq: 4 Jun 2019 9:37

Tgt Ion: 114 Resp: 492092
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 39.2
 88 14.8 0.0 31.0

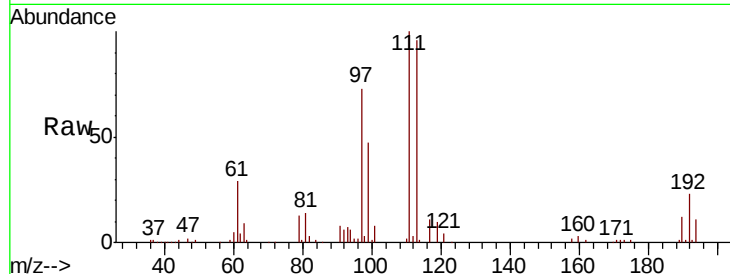




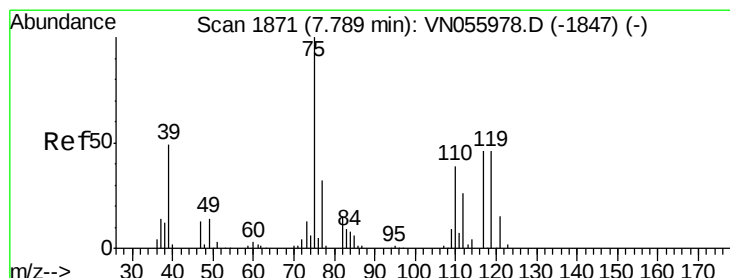
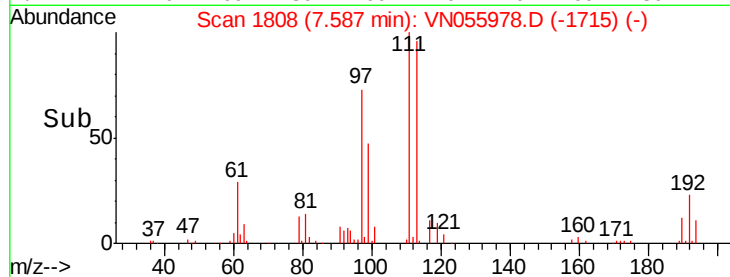
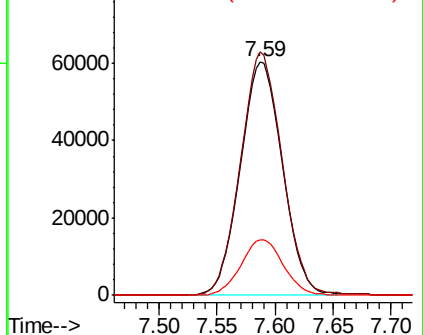
#35
 Dibromofluoromethane
 Concen: 50.561 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: VN055978.D
 Acq: 4 Jun 2019 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.9	122.9
192	24.0	19.5	29.3

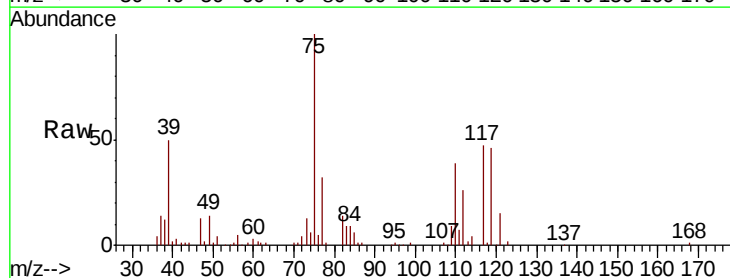


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

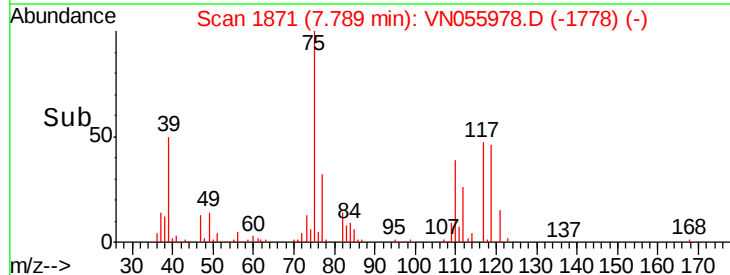
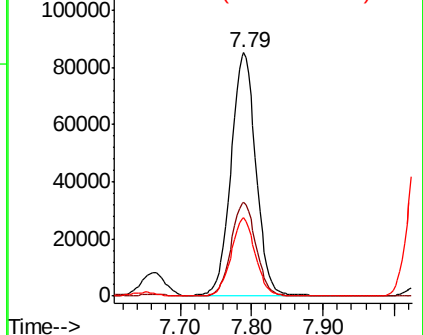


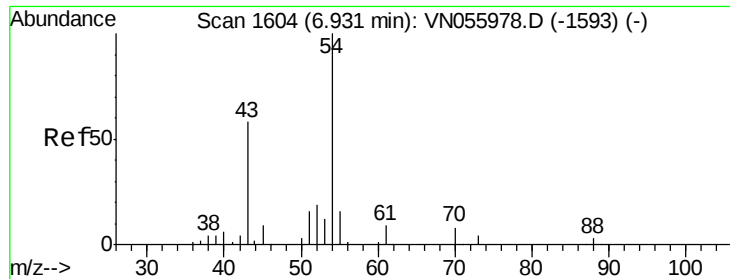
#36
 1,1-Dichloropropene
 Concen: 49.216 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055978.D
 Acq: 4 Jun 2019 9:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.3	19.0	57.0
77	31.3	25.1	37.7



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

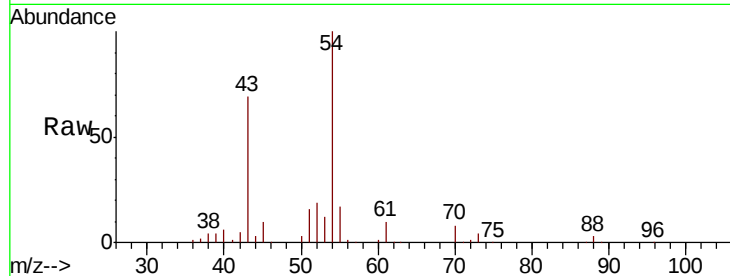




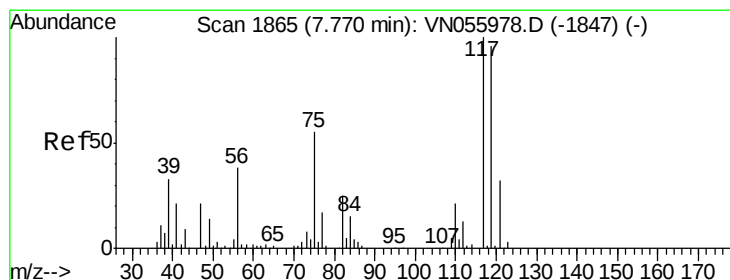
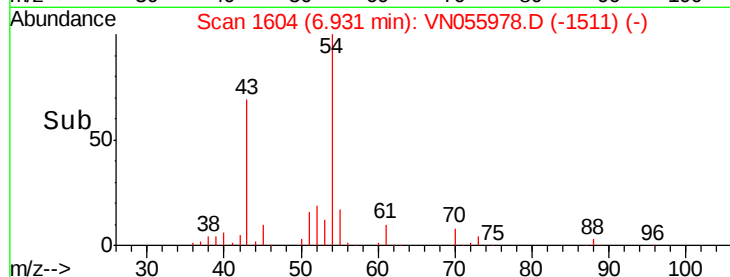
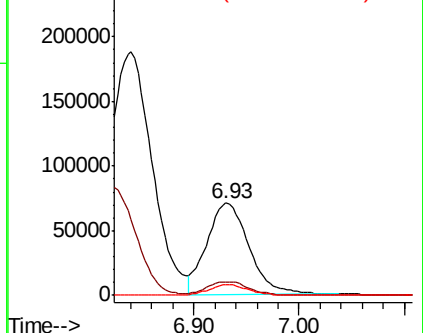
#37
Ethyl Acetate
Concen: 52.412 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 197322
Ion Ratio Lower Upper
43 100
61 15.4 12.2 18.2
70 11.0 8.9 13.3

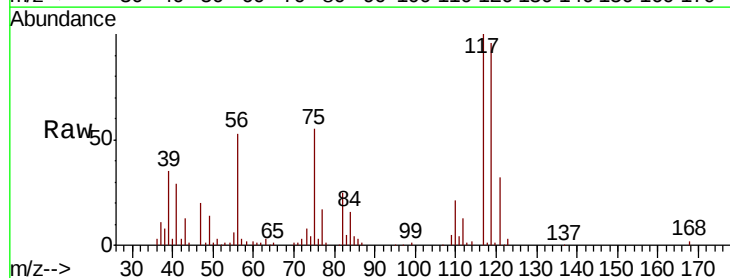


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

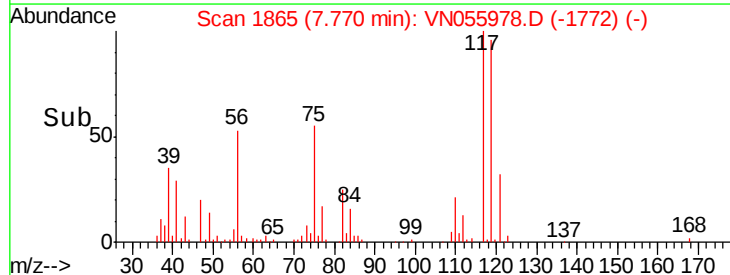
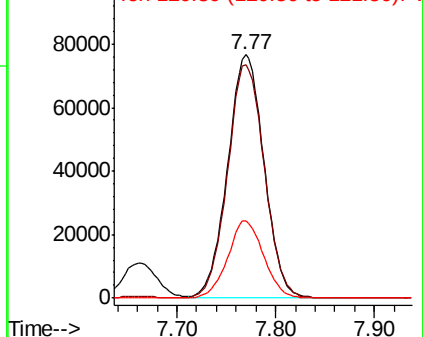


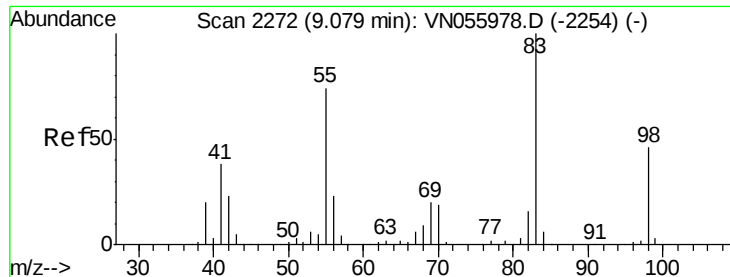
#38
Carbon Tetrachloride
Concen: 50.567 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Tgt Ion: 117 Resp: 197263
Ion Ratio Lower Upper
117 100
119 96.0 79.0 118.6
121 31.7 24.7 37.1



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

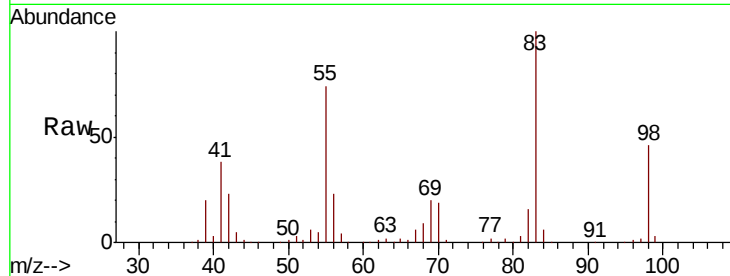




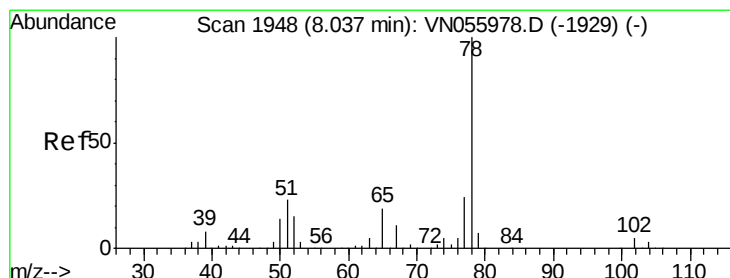
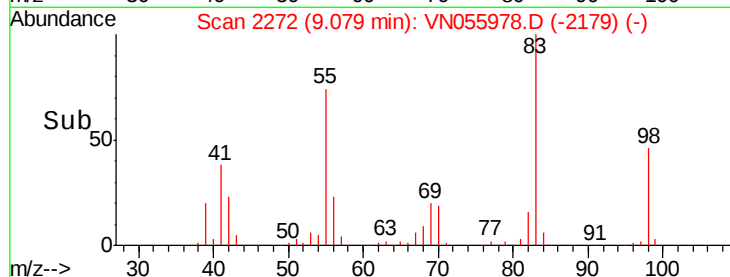
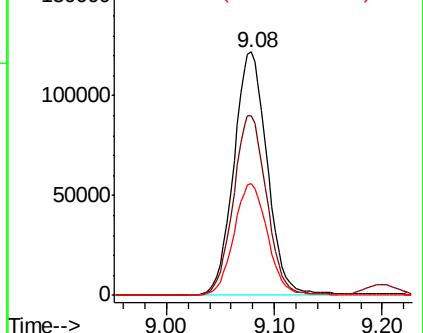
#39
Methvlcvclohexane
Concen: 50.049 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 83 Resp: 263806
Ion Ratio Lower Upper
83 100
55 74.0 59.3 88.9
98 45.9 36.6 54.8

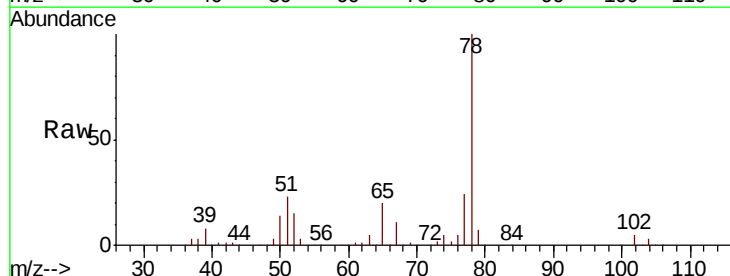


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

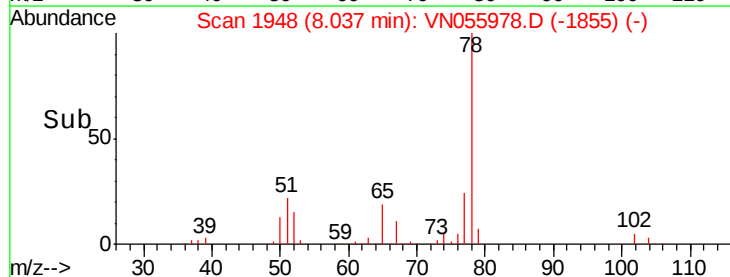
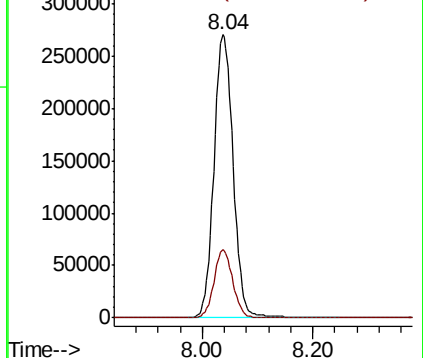


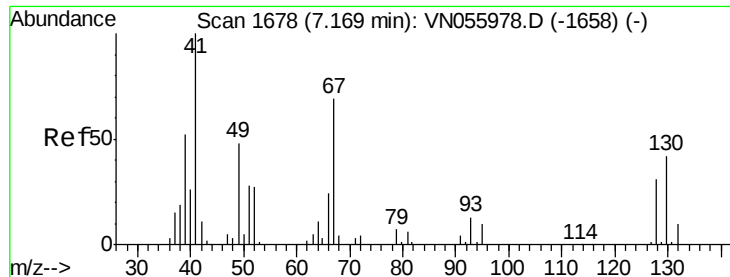
#40
Benzene
Concen: 50.569 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Tgt Ion: 78 Resp: 649883
Ion Ratio Lower Upper
78 100
77 24.0 18.8 28.2



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

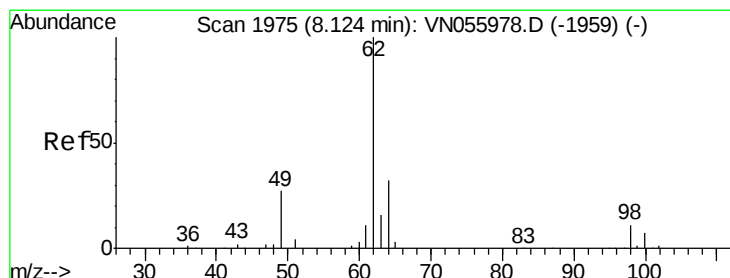
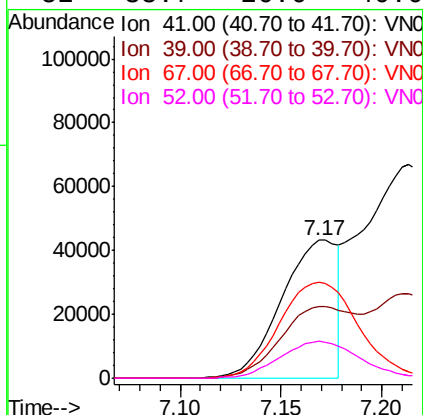
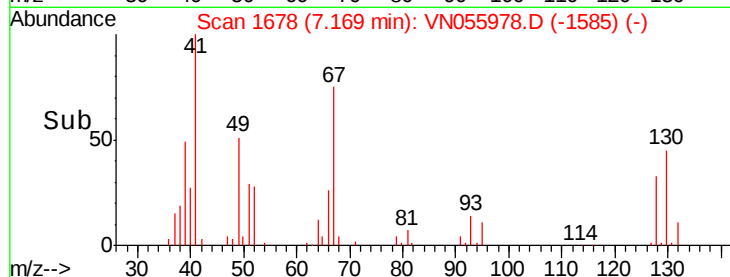
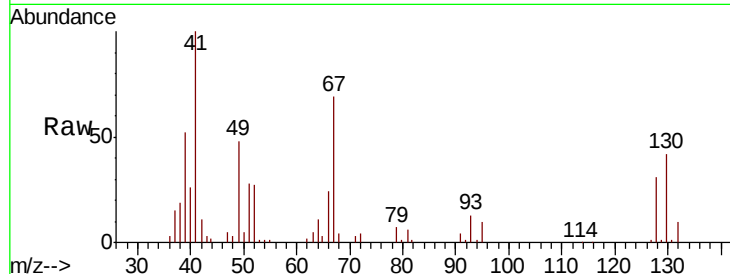




#41
Methacrylonitrile
Concen: 48.209 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

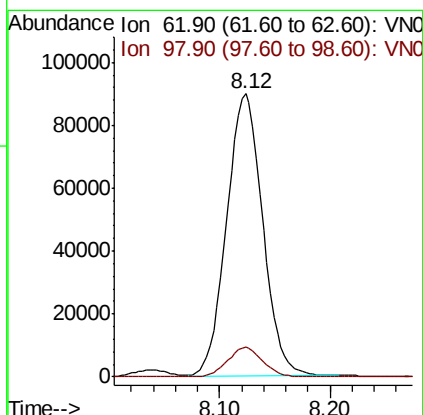
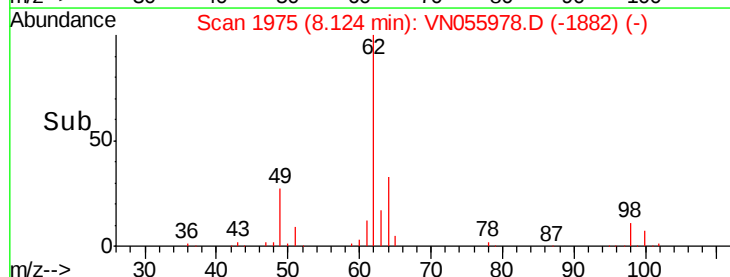
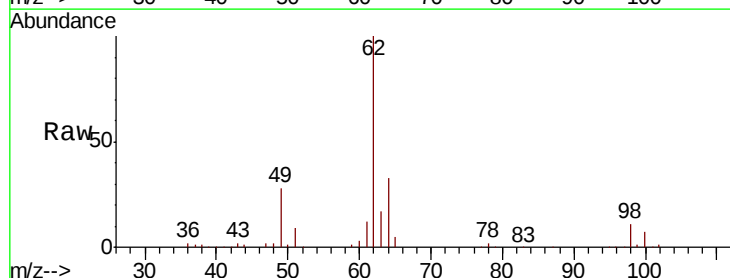
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

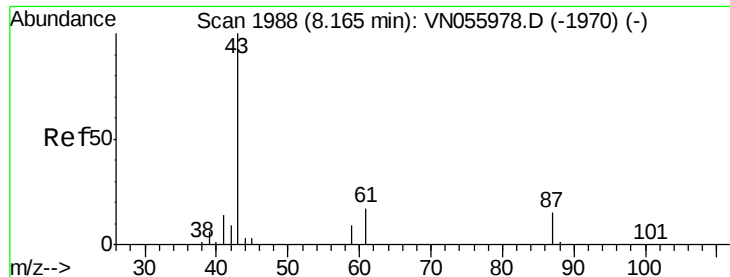
Tot Ion: 41 Resp: 83507
Ion Ratio Lower Upper
41 100
39 66.6 45.6 68.4
67 100.0 67.7 101.5
52 38.7 26.6 40.0



#42
1,2-Dichloroethane
Concen: 49.247 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Tgt Ion: 62 Resp: 203582
Ion Ratio Lower Upper
62 100
98 10.3 0.0 20.2





#43

Isopropyl Acetate

Concen: 51.907 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

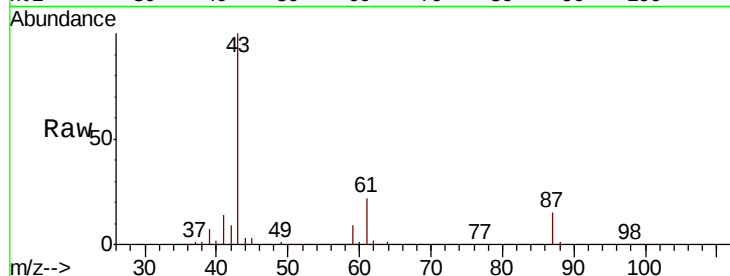
Tot Ion: 43 Resp: 316675

Ion Ratio Lower Upper

43 100

61 21.0 22.2 33.4#

87 14.4 11.4 17.2

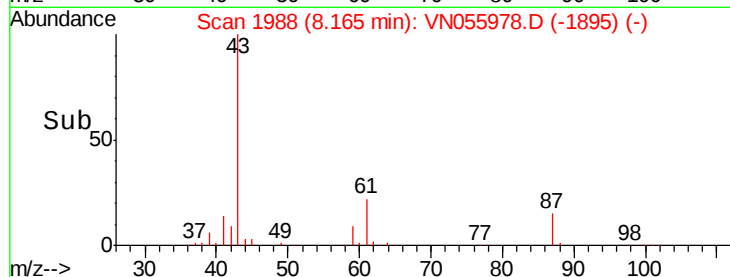


Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055978.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1970) (-)

8.17



Abundance

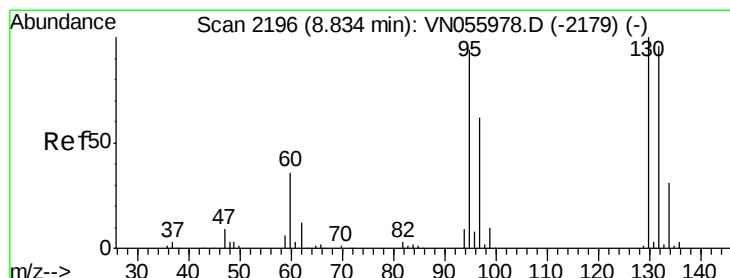
Ion 43.00 (42.70 to 43.70): VN055978.D (-1895) (-)

Ion 61.00 (60.70 to 61.70): VN055978.D (-1895) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1895) (-)

8.17

Time-->



#44

Trichloroethene

Concen: 49.943 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055978.D

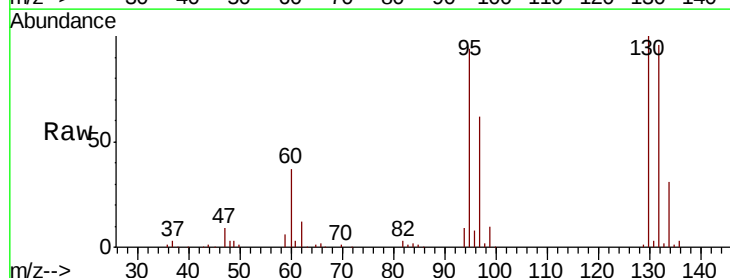
Acq: 4 Jun 2019 9:37

Tgt Ion: 130 Resp: 184432

Ion Ratio Lower Upper

130 100

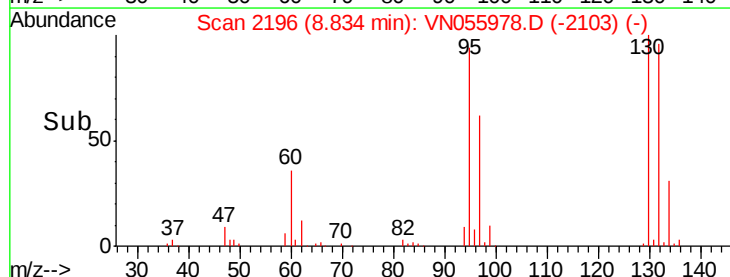
95 94.1 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)

8.83



Abundance

Ion 129.80 (129.50 to 130.50): VN055978.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN055978.D (-2103) (-)

8.83

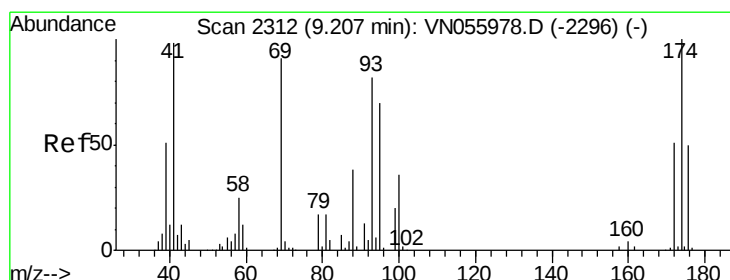
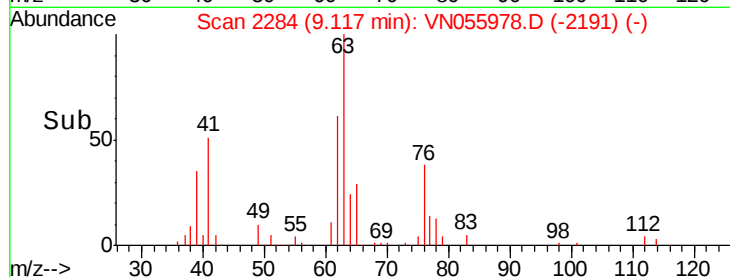
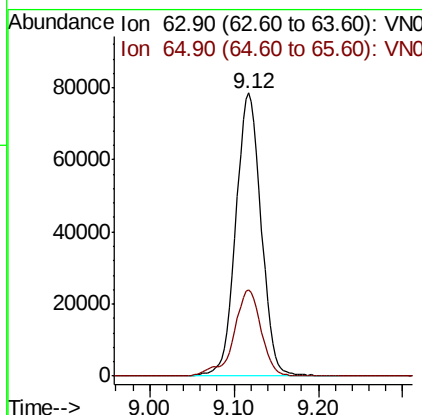
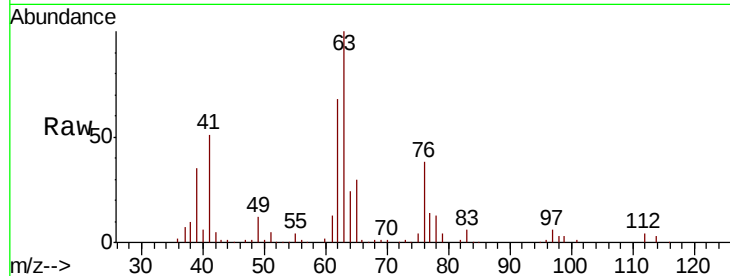
Time-->



#45
 1,2-Dichloropropane
 Concen: 50.100 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055978.D
 Acq: 4 Jun 2019 9:37

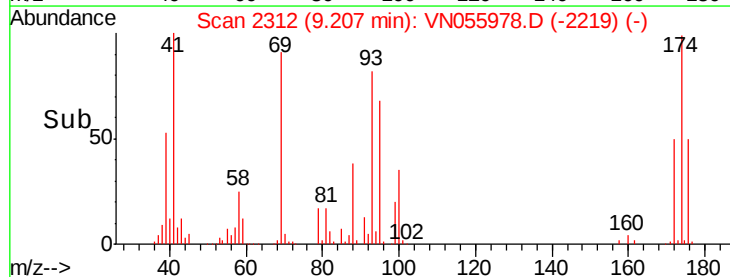
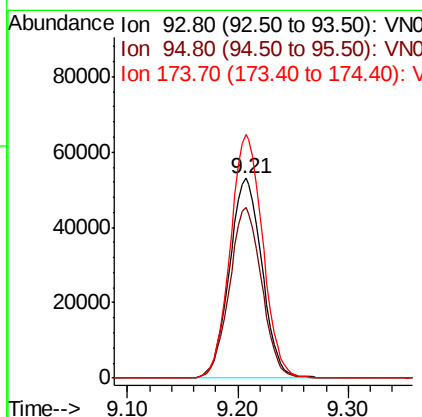
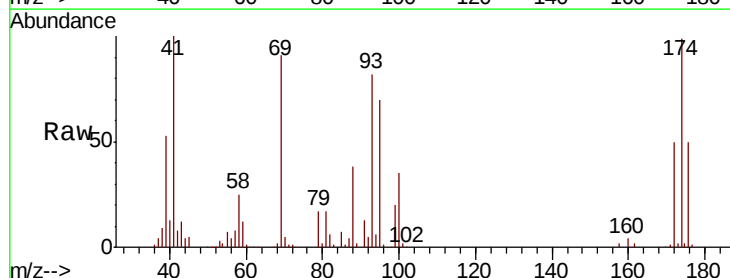
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

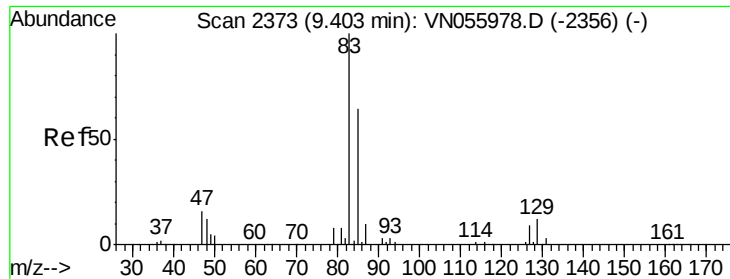
Tot Ion: 63 Resp: 164920
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.6 36.8



#46
 Dibromomethane
 Concen: 50.486 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055978.D
 Acq: 4 Jun 2019 9:37

Tgt Ion: 93 Resp: 108676
 Ion Ratio Lower Upper
 93 100
 95 84.6 66.7 100.1
 174 121.1 96.4 144.6

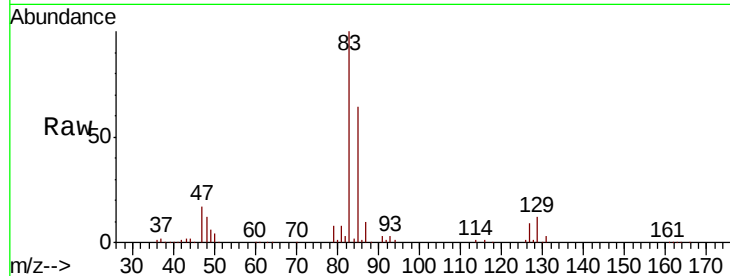




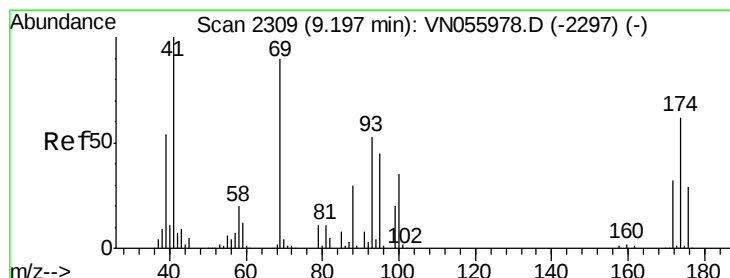
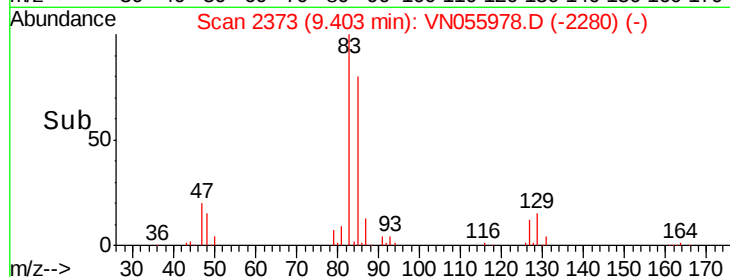
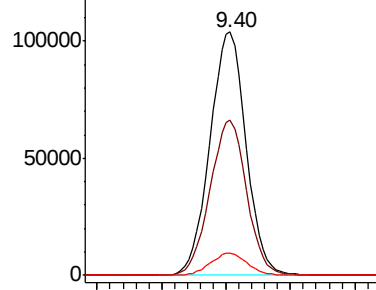
#47
Bromodichloromethane
Concen: 51.899 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 83 Resp: 202476
Ion Ratio Lower Upper
83 100
85 63.7 52.2 78.2
127 9.1 7.4 11.0

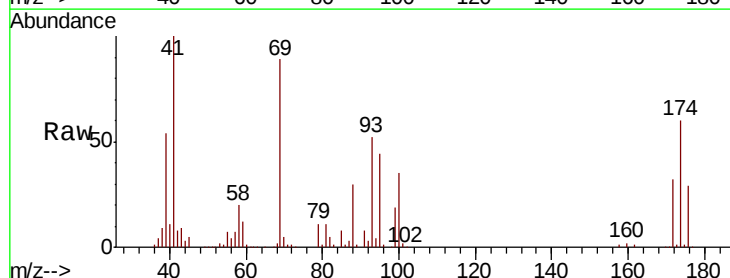


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

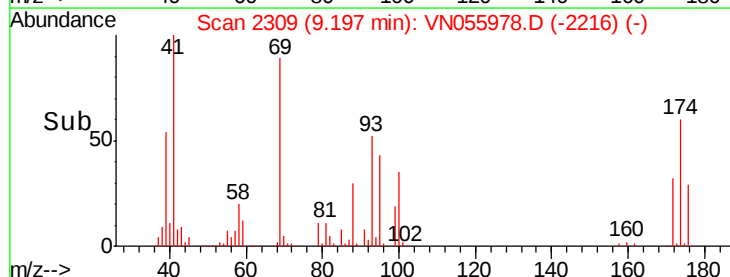
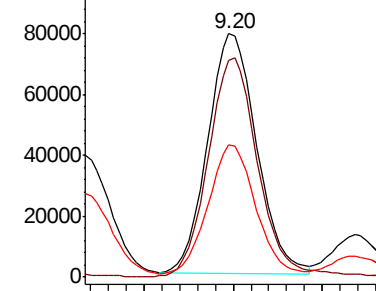


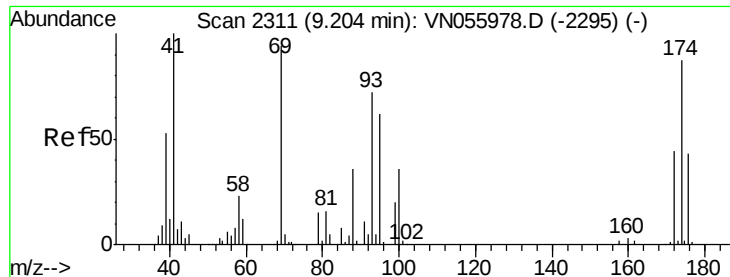
#48
Methyl methacrylate
Concen: 50.259 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Tgt Ion: 41 Resp: 150008
Ion Ratio Lower Upper
41 100
69 92.9 71.0 106.6
39 54.6 44.2 66.2



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

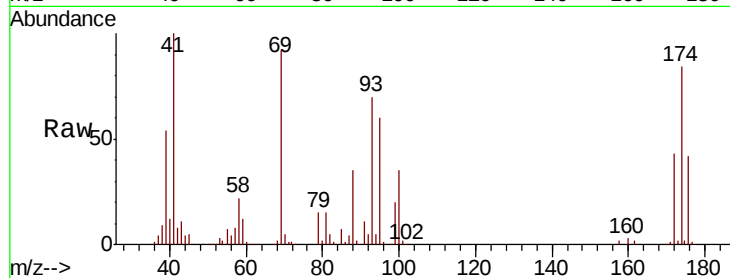




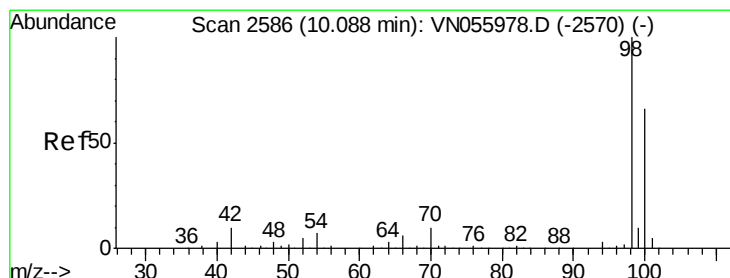
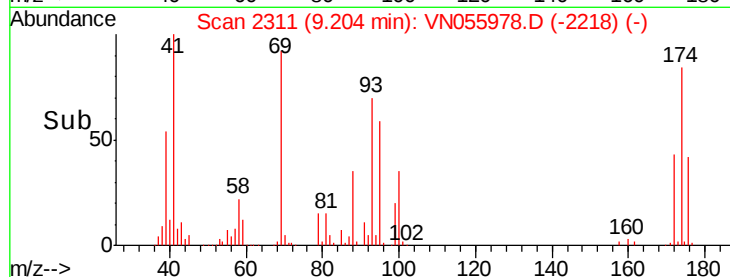
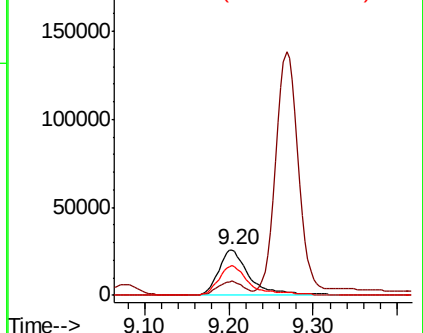
#49
1,4-Dioxane
Concen: 1025.191 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 88 Resp: 66059
Ion Ratio Lower Upper
88 100
43 24.7 20.5 30.7
58 67.8 55.8 83.6

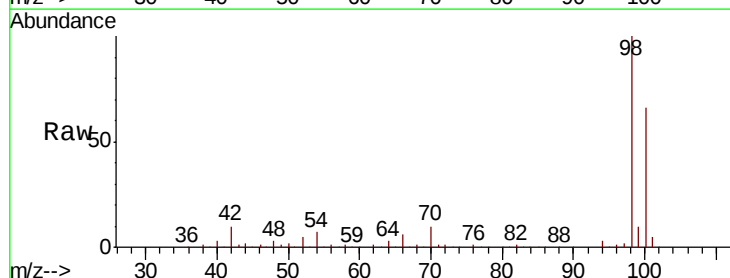


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

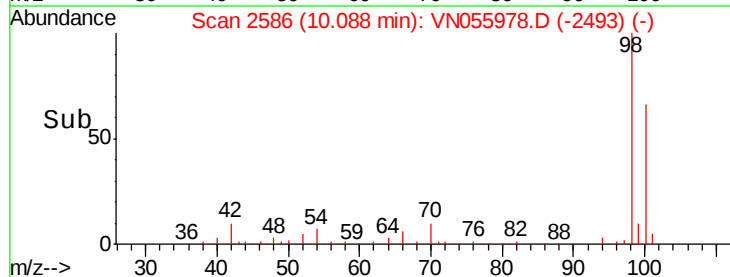
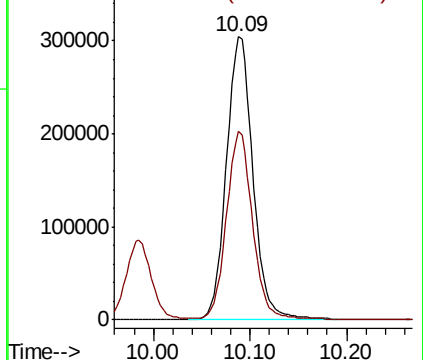


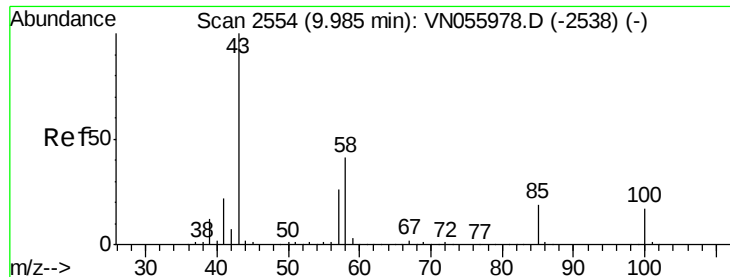
#50
Toluene-d8
Concen: 50.148 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Tgt Ion: 98 Resp: 582605
Ion Ratio Lower Upper
98 100
100 66.0 51.9 77.9



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





#51

4-Methyl-2-Pentanone

Concen: 255.882 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

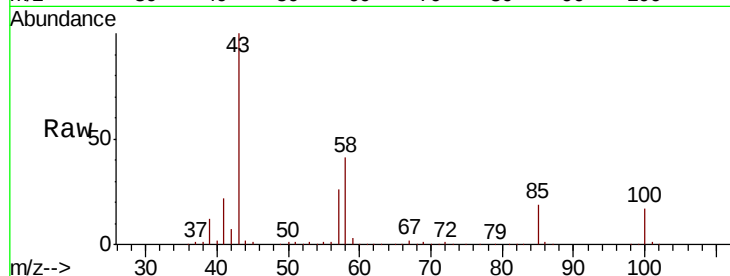
VSTDICCC050

Tot Ion: 43 Resp: 976226

Ion Ratio Lower Upper

43 100

58 40.4 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-2538) (-)

9.99

600000

500000

400000

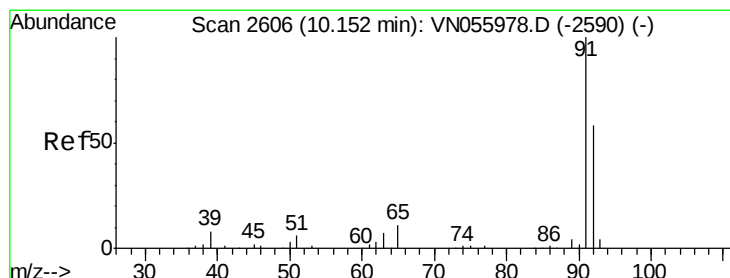
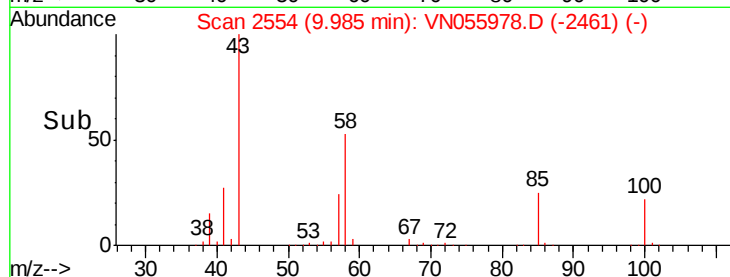
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.973 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN055978.D

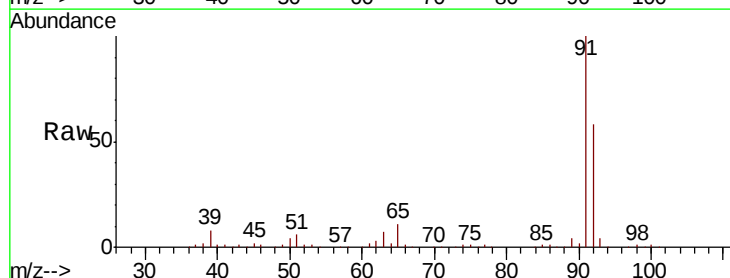
Acq: 4 Jun 2019 9:37

Tgt Ion: 92 Resp: 407628

Ion Ratio Lower Upper

92 100

91 173.6 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN055978.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN055978.D (-2590) (-)

10.15

400000

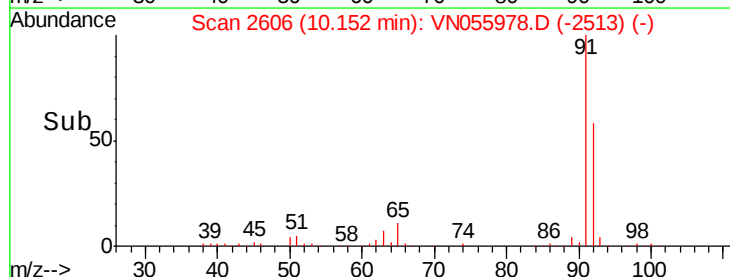
300000

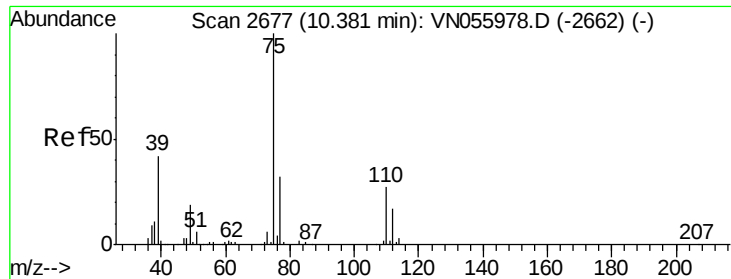
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 47.343 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampled :

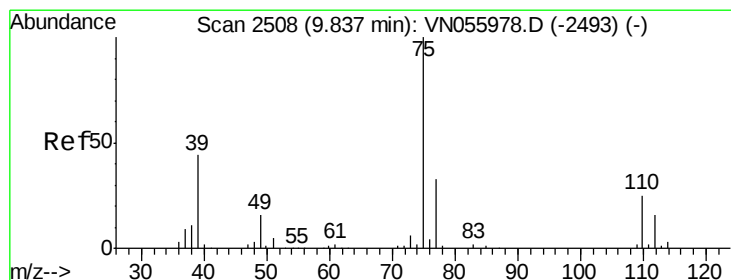
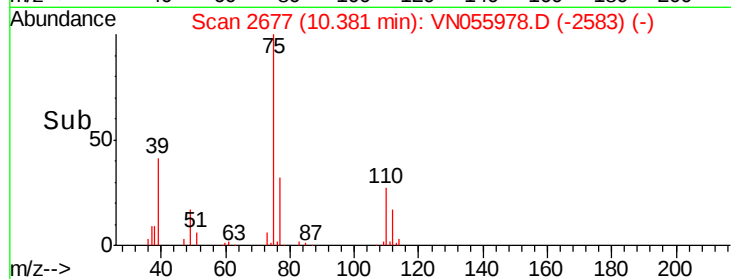
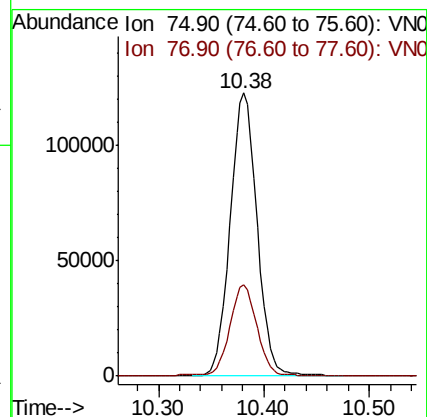
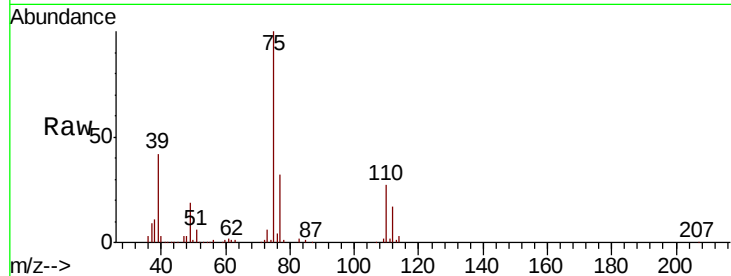
VSTDICCC050

Tot Ion: 75 Resp: 215937

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 52.934 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

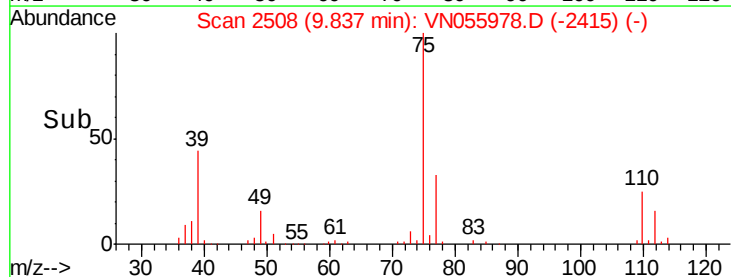
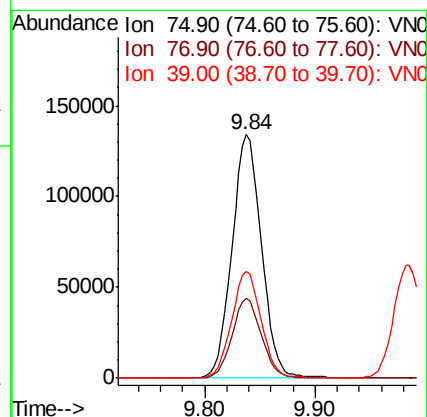
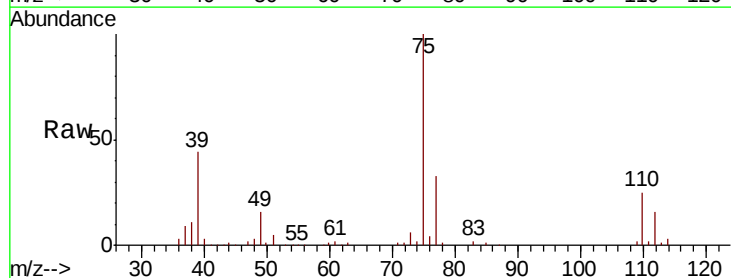
Tgt Ion: 75 Resp: 248232

Ion Ratio Lower Upper

75 100

77 32.6 25.4 38.0

39 44.1 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 50.876 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 97 Resp: 161161

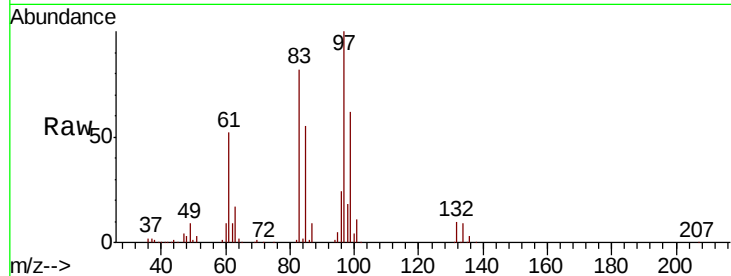
Ion Ratio Lower Upper

97 100

83 82.4 67.0 100.6

85 54.9 44.0 66.0

99 61.5 50.6 75.8

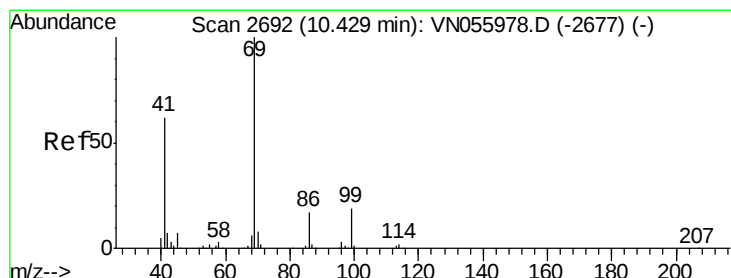
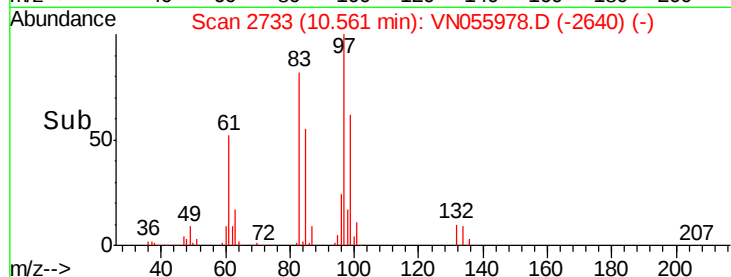
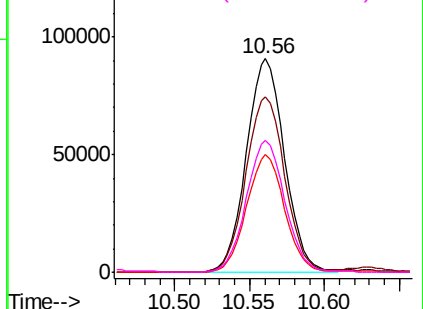


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 52.345 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

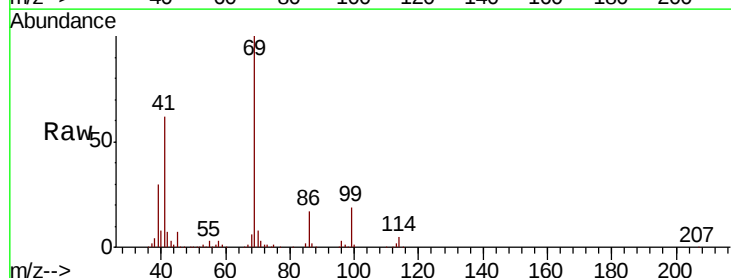
Tgt Ion: 69 Resp: 241905

Ion Ratio Lower Upper

69 100

41 61.1 49.7 74.5

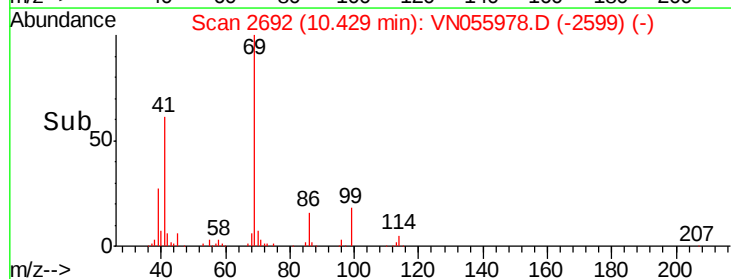
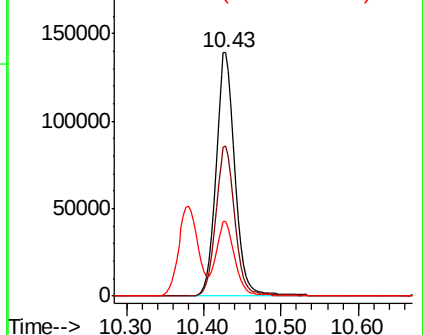
39 29.6 24.7 37.1

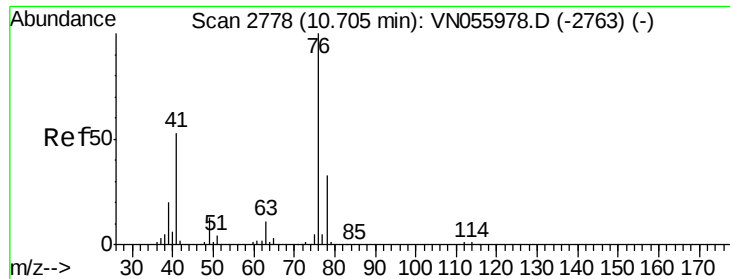


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

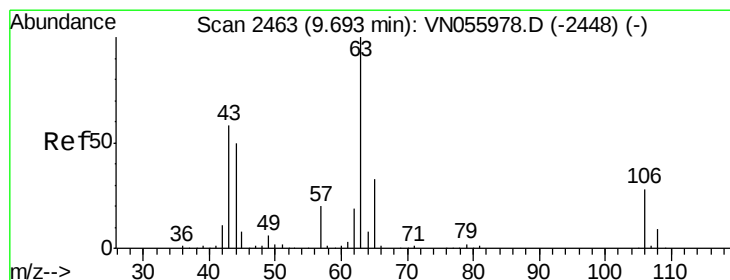
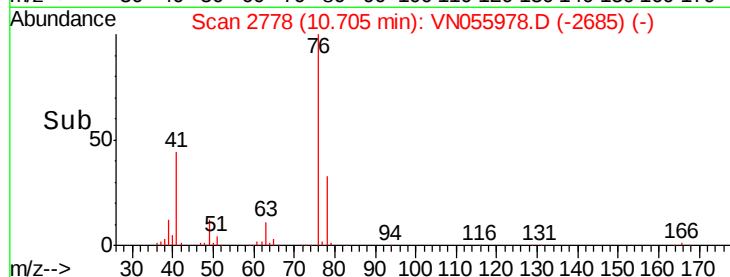
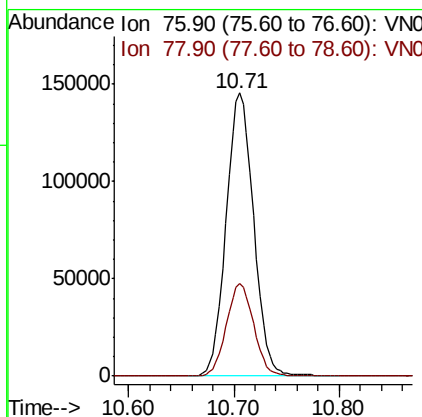
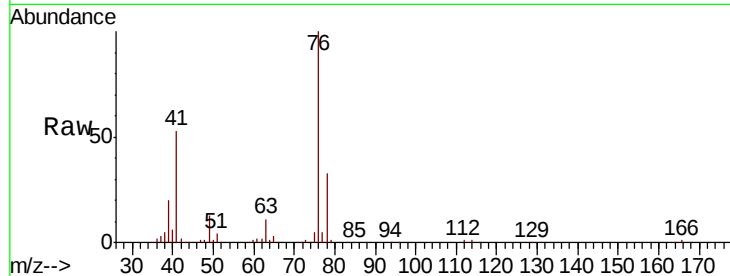




#57
 1,3-Dichloropropane
 Concen: 50.975 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055978.D
 Acq: 4 Jun 2019 9:37

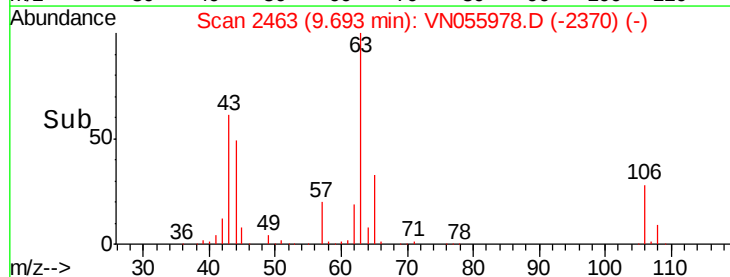
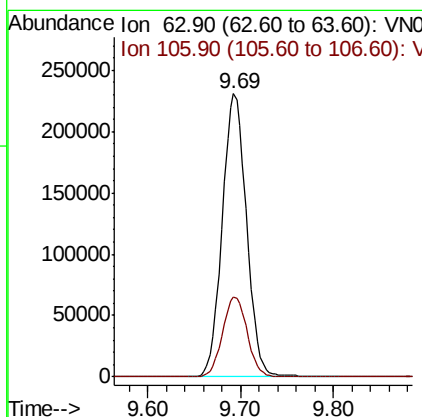
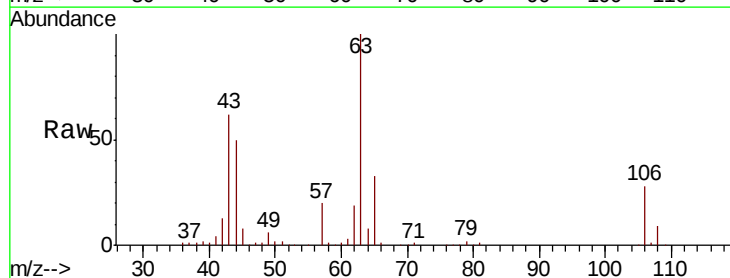
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

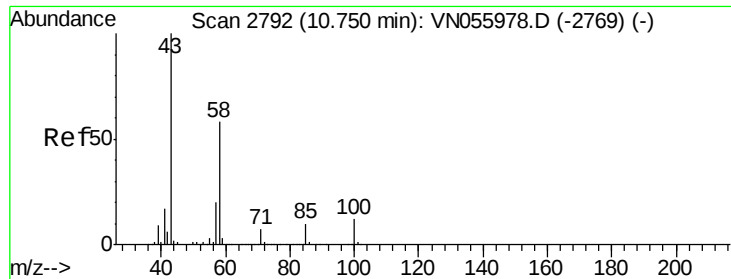
Tot Ion: 76 Resp: 262499
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 230.474 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN055978.D
 Acq: 4 Jun 2019 9:37

Tgt Ion: 63 Resp: 420034
 Ion Ratio Lower Upper
 63 100
 106 28.7 22.7 34.1

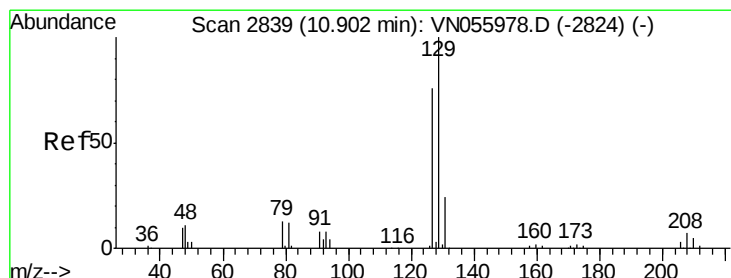
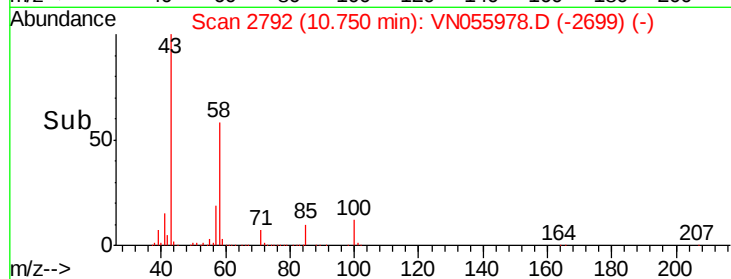
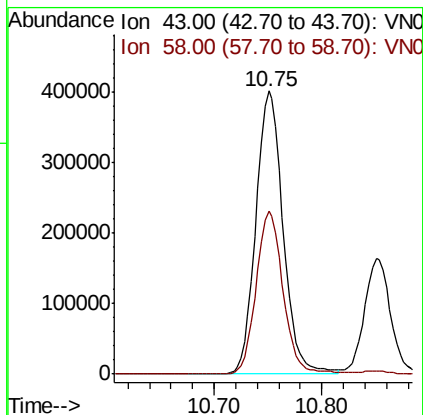
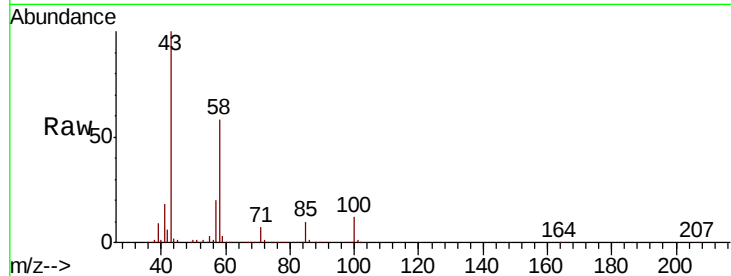




#59
2-Hexanone
Concen: 254.367 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

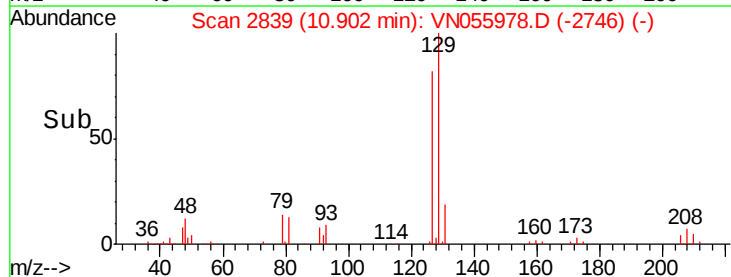
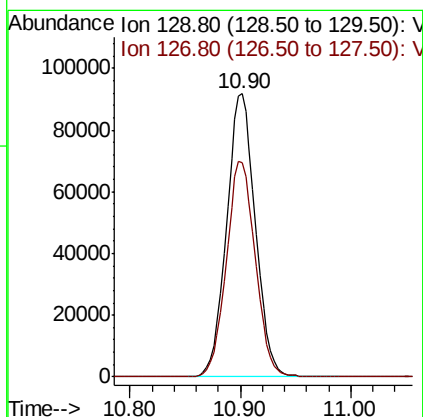
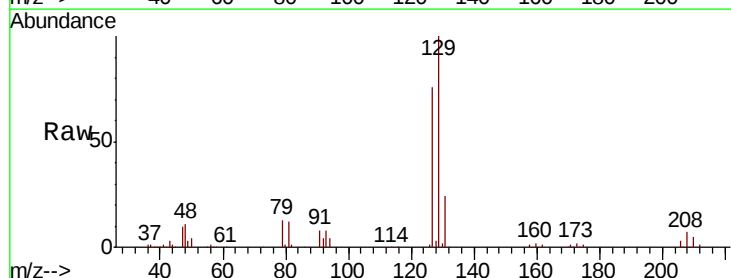
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 703355
Ion Ratio Lower Upper
43 100
58 57.3 28.2 84.7



#60
Dibromochloromethane
Concen: 47.526 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Tgt Ion: 129 Resp: 165595
Ion Ratio Lower Upper
129 100
127 76.7 38.1 114.3





#61

1,2-Dibromoethane

Concen: 51.294 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

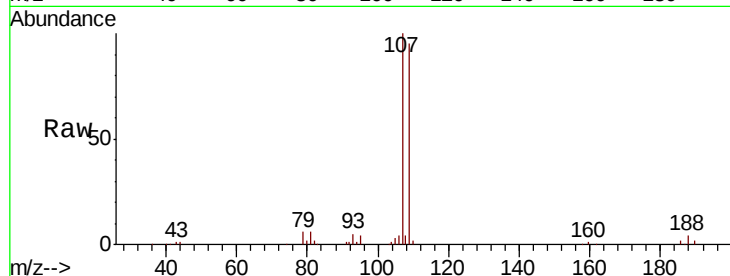
VSTDICCC050

Tot Ion:107 Resp: 166108

Ion Ratio Lower Upper

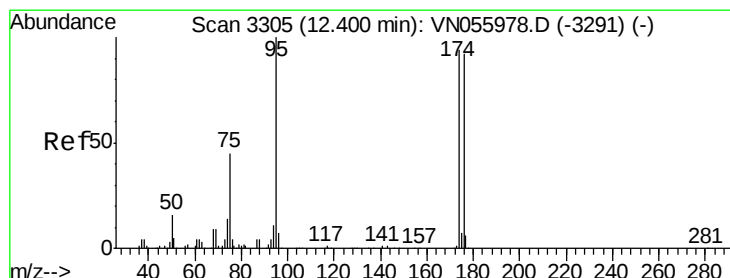
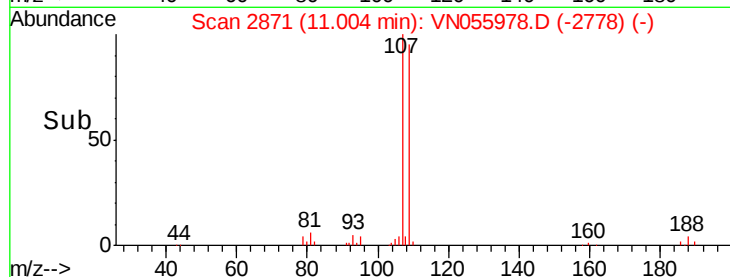
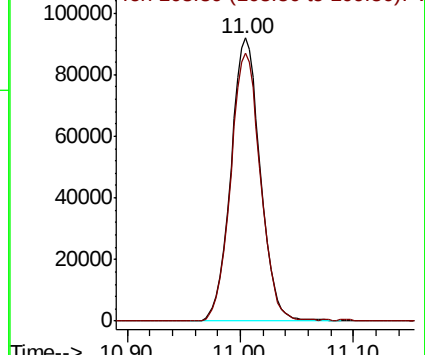
107 100

109 95.8 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.920 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

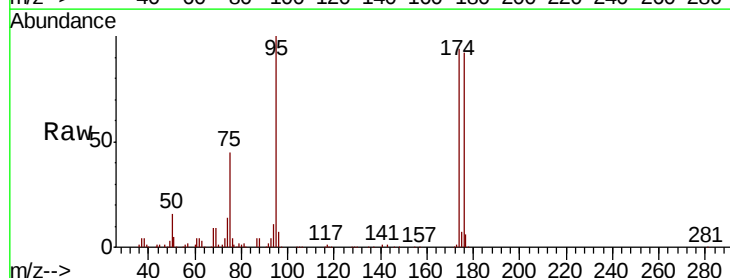
Tgt Ion: 95 Resp: 201179

Ion Ratio Lower Upper

95 100

174 93.9 0.0 191.0

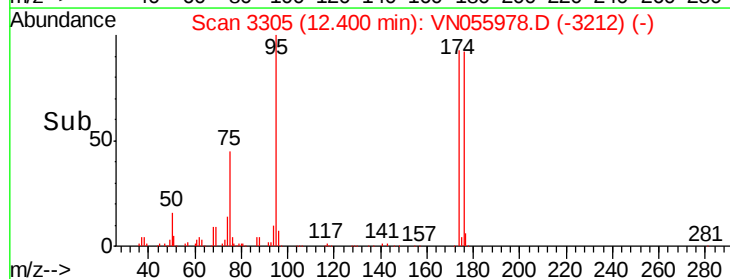
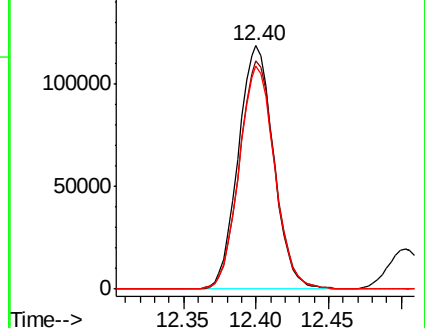
176 92.0 0.0 185.2

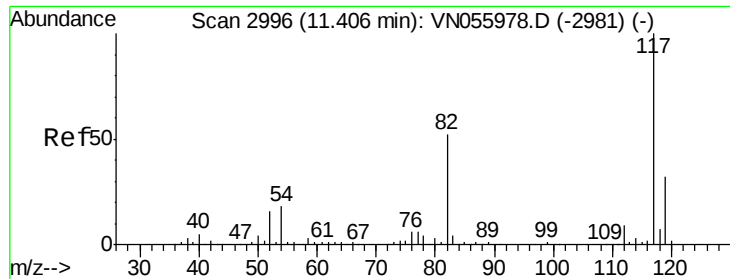


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

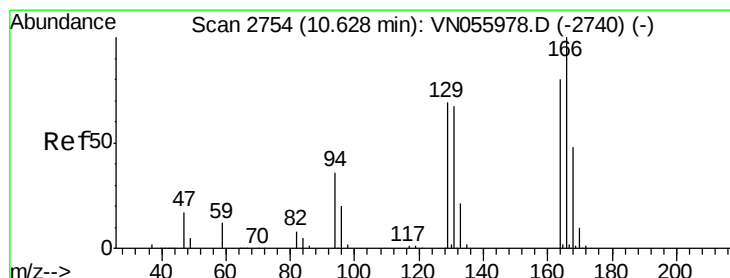
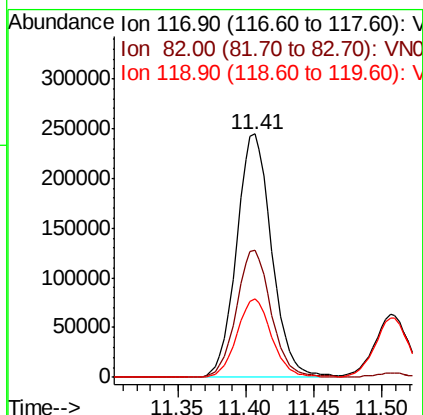
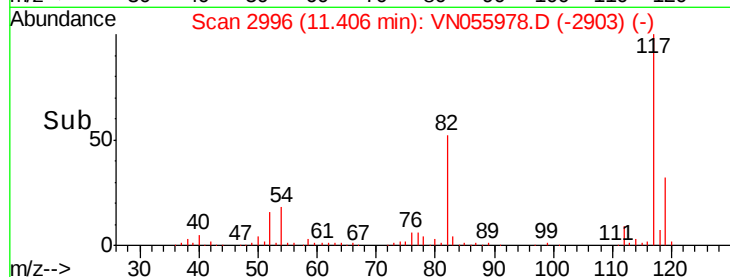
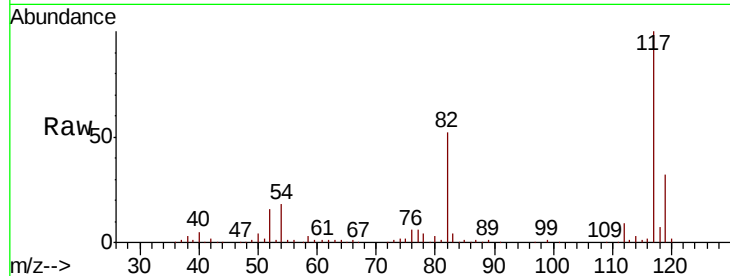




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

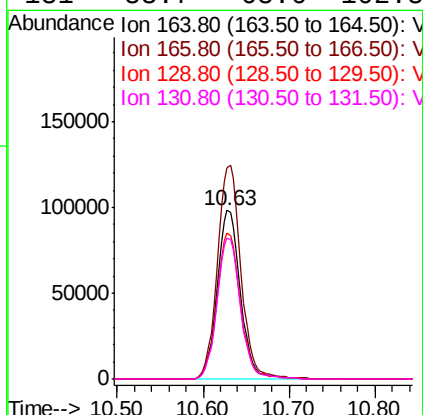
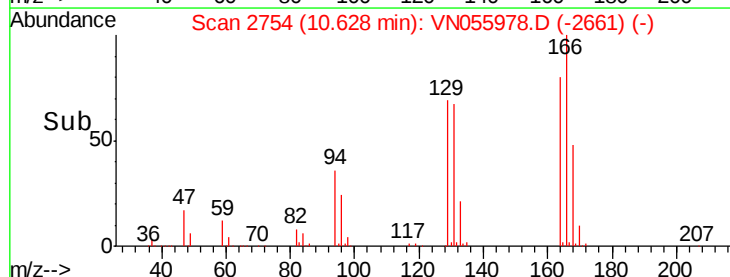
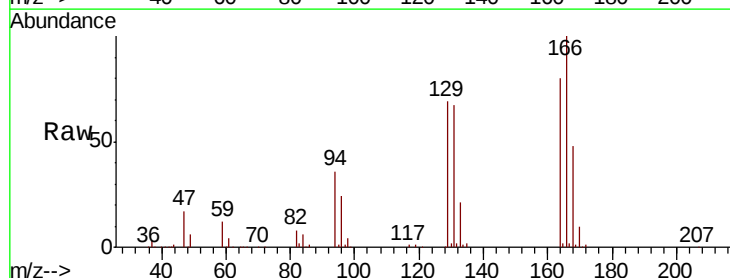
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

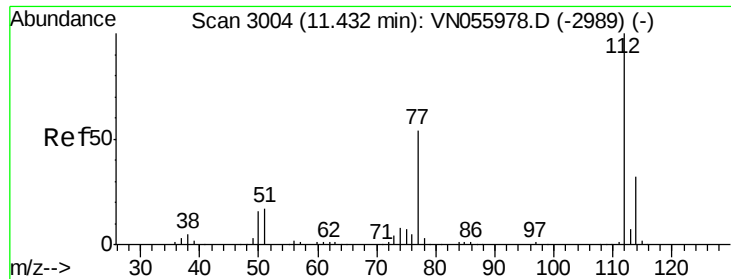
Tot Ion:117 Resp: 438244
Ion Ratio Lower Upper
117 100
82 52.0 41.8 62.8
119 32.2 25.4 38.0



#64
Tetrachloroethene
Concen: 48.693 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Tgt Ion:164 Resp: 184715
Ion Ratio Lower Upper
164 100
166 125.6 103.0 154.6
129 86.4 70.6 105.8
131 83.7 68.6 102.8

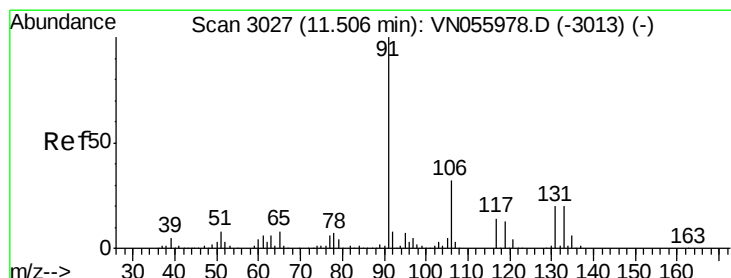
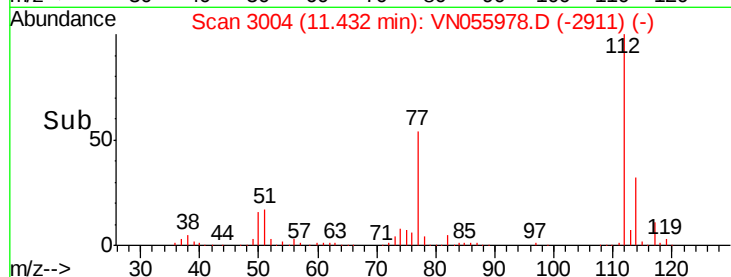
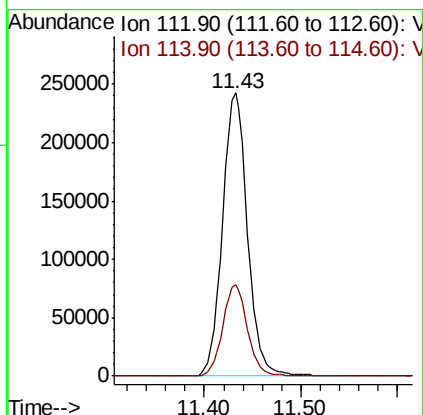
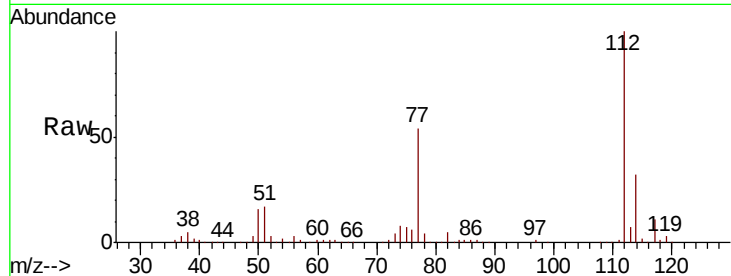




#65
Chlorobenzene
Concen: 49.713 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

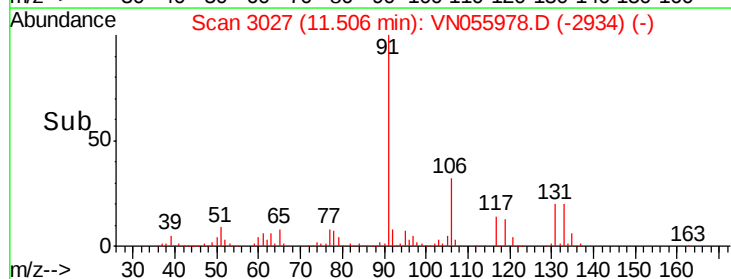
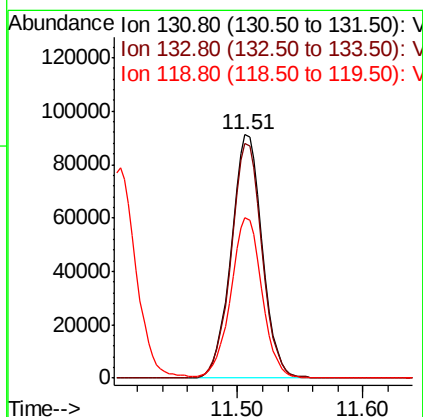
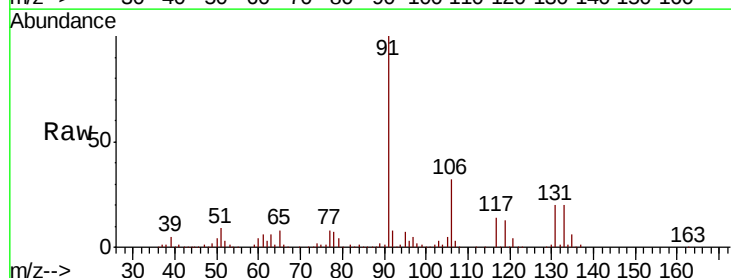
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

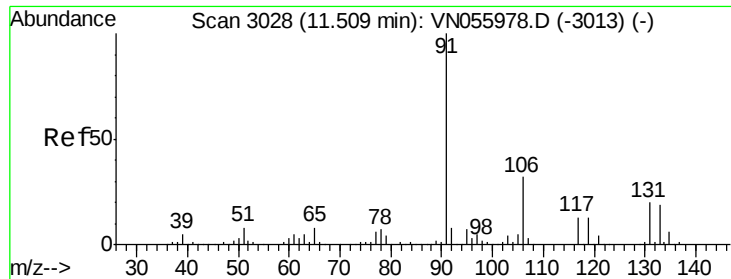
Tot Ion:112 Resp: 433591
Ion Ratio Lower Upper
112 100
114 32.2 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.910 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Tgt Ion:131 Resp: 156330
Ion Ratio Lower Upper
131 100
133 96.2 48.0 144.0
119 66.5 33.1 99.5

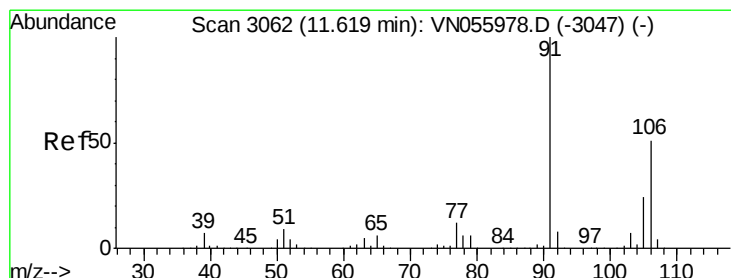
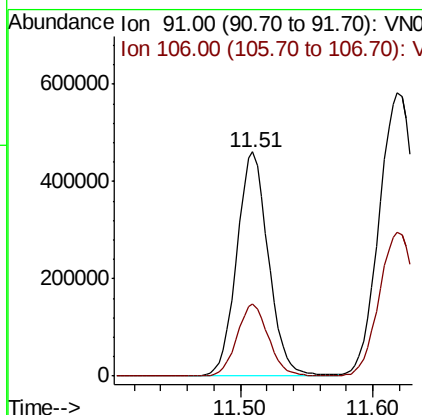
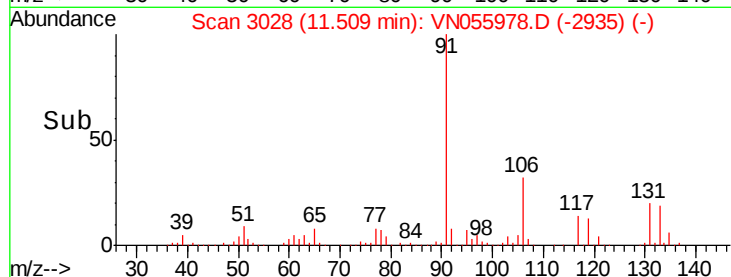
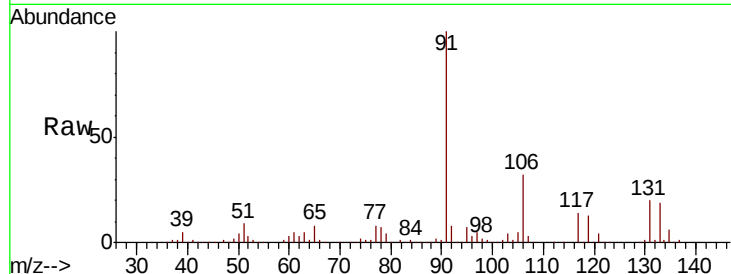




#67
Ethyl Benzene
Concen: 50.387 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

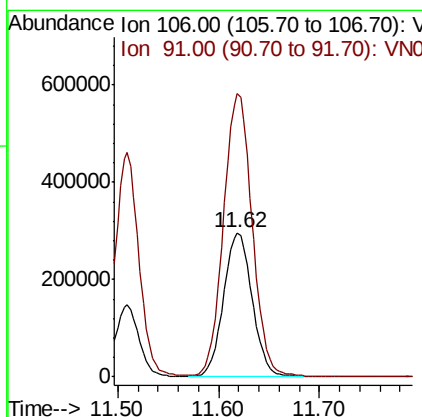
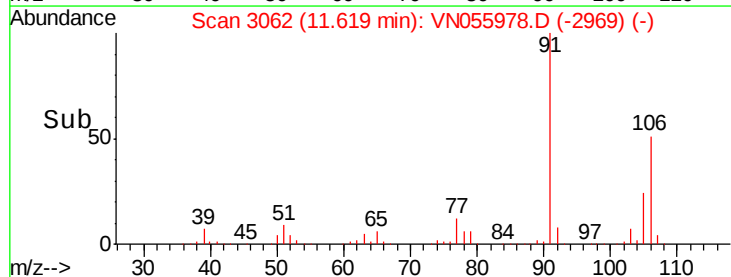
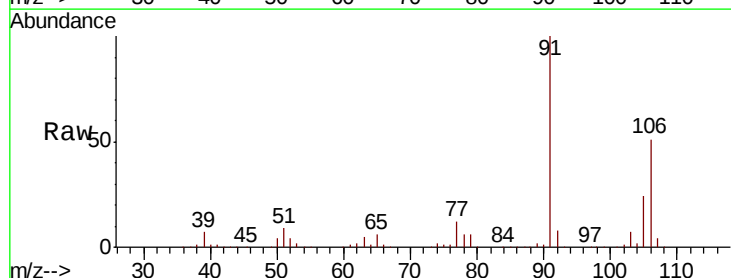
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

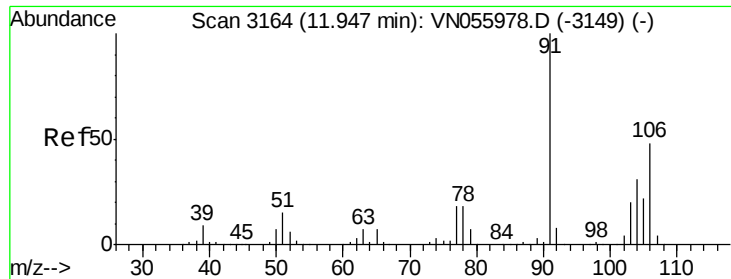
Tot Ion: 91 Resp: 764170
Ion Ratio Lower Upper
91 100
106 32.0 25.1 37.7



#68
m/p-Xylenes
Concen: 101.650 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Tgt Ion: 106 Resp: 588920
Ion Ratio Lower Upper
106 100
91 197.0 159.3 238.9

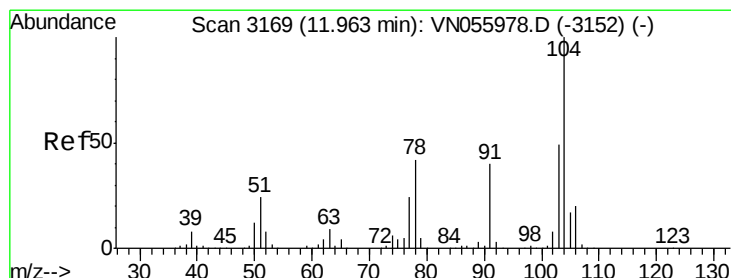
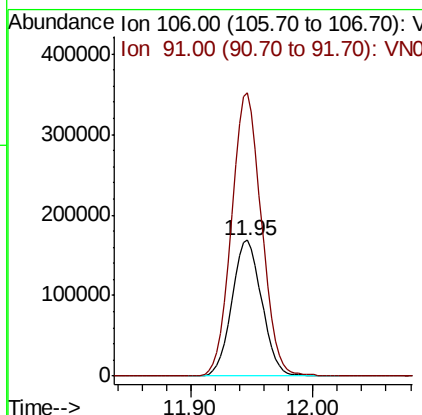
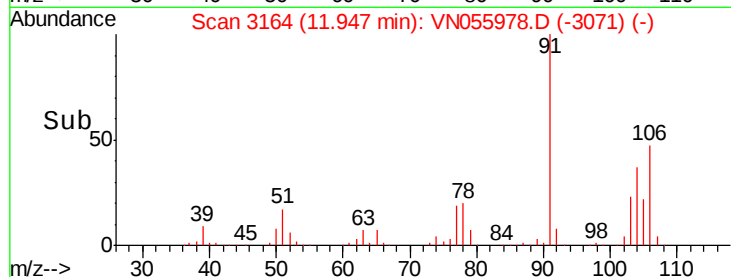
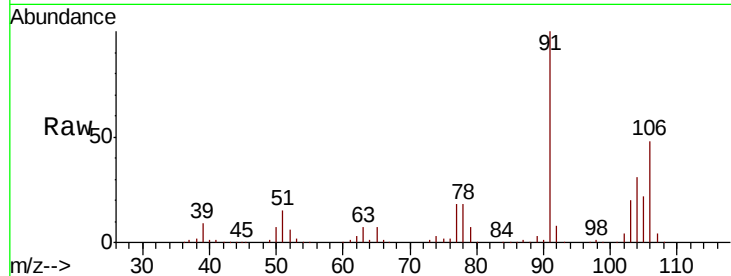




#69
o-Xylene
Concen: 50.614 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

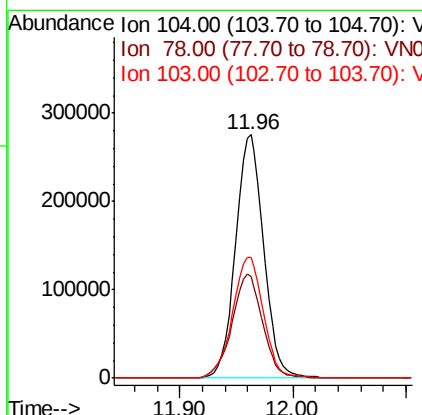
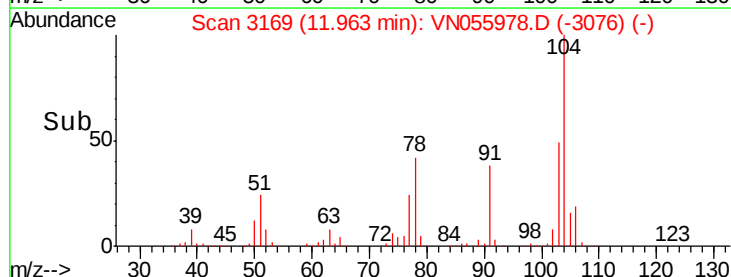
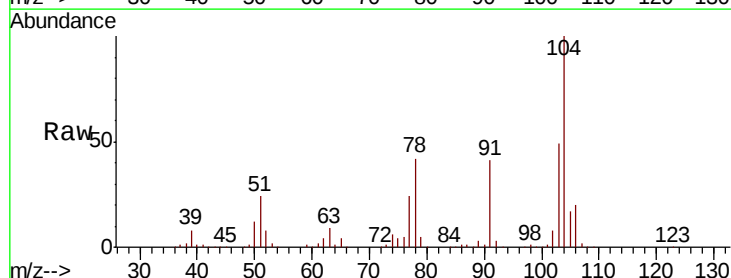
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 288446
Ion Ratio Lower Upper
106 100
91 208.3 104.7 314.1



#70
Styrene
Concen: 52.850 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Tgt Ion:104 Resp: 478541
Ion Ratio Lower Upper
104 100
78 46.4 37.8 56.6
103 54.6 44.2 66.2





#71

Bromoform

Concen: 47.565 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

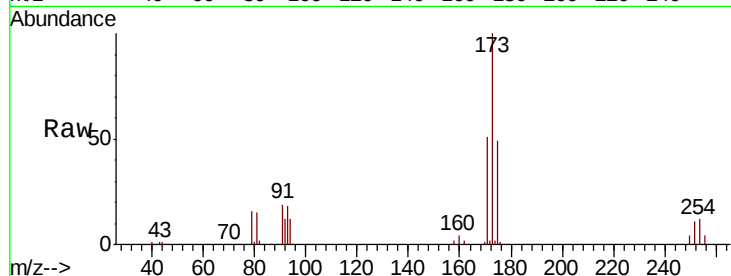
Tot Ion:173 Resp: 119907

Ion Ratio Lower Upper

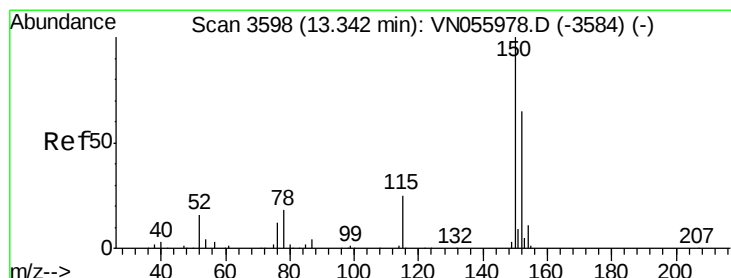
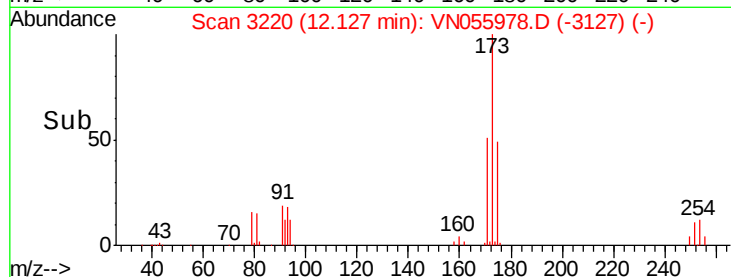
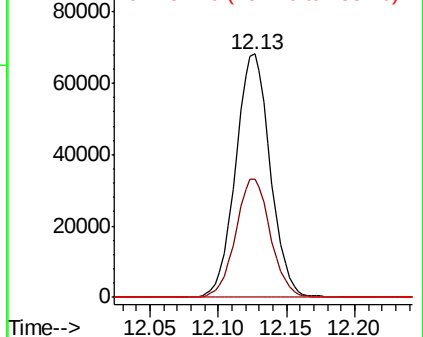
173 100

175 48.9 24.3 72.8

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

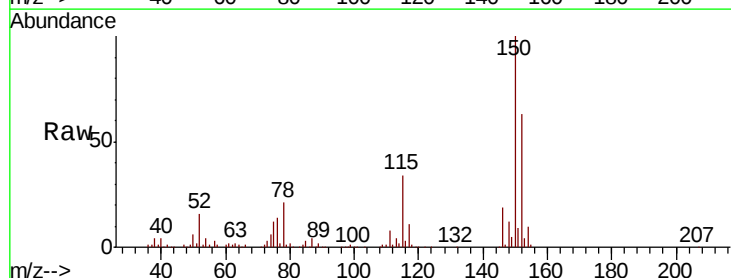
Tgt Ion:152 Resp: 201731

Ion Ratio Lower Upper

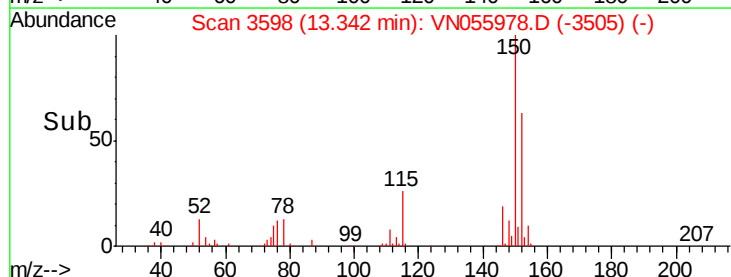
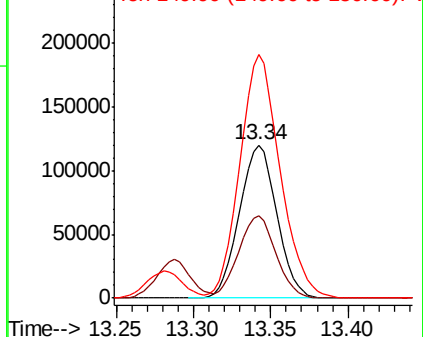
152 100

115 53.4 27.0 81.0

150 171.3 0.0 343.2



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





#73

Isopropylbenzene

Concen: 52.445 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

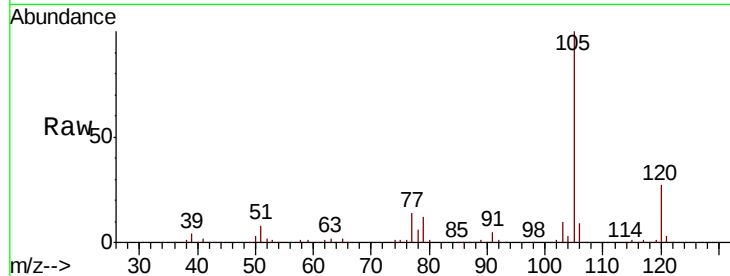
VSTDICCC050

Tot Ion:105 Resp: 752432

Ion Ratio Lower Upper

105 100

120 27.4 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

300000

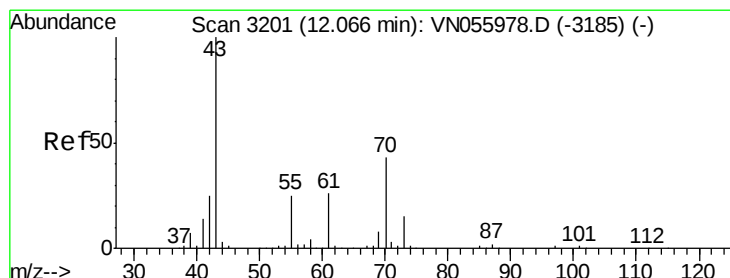
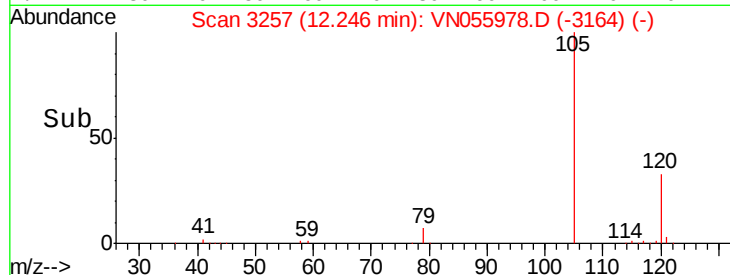
200000

100000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 48.630 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Tgt Ion: 43 Resp: 261507

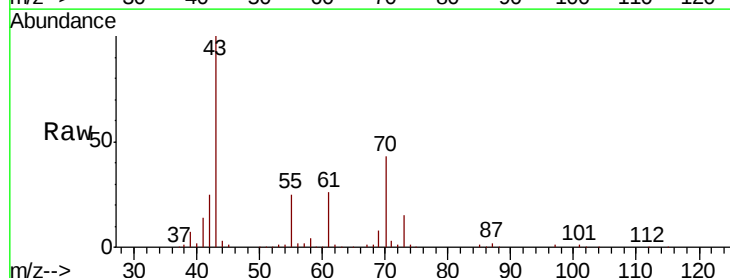
Ion Ratio Lower Upper

43 100

70 43.7 34.0 51.0

55 24.8 18.6 28.0

61 25.7 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

250000

200000

150000

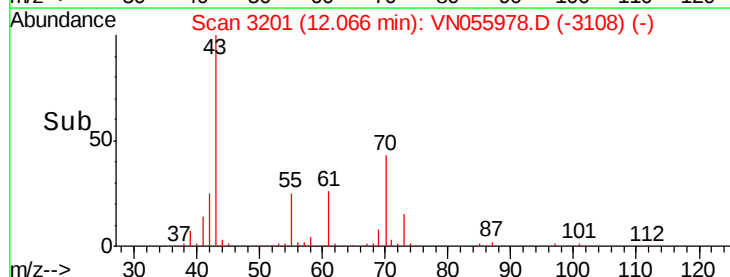
100000

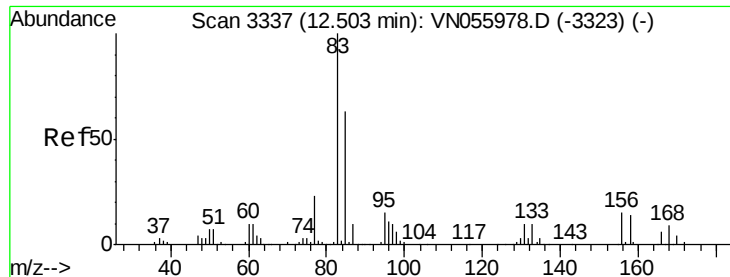
50000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 46.993 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

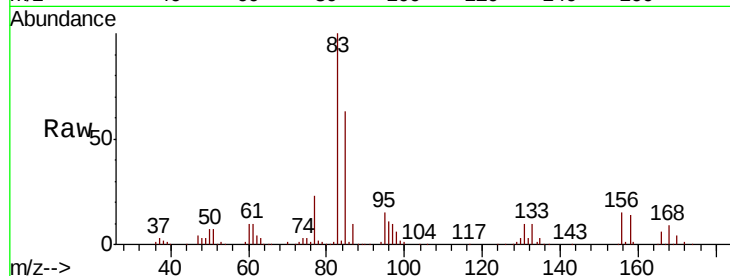
Tot Ion: 83 Resp: 220069

Ion Ratio Lower Upper

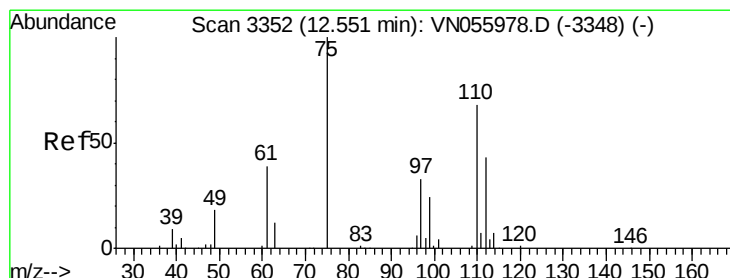
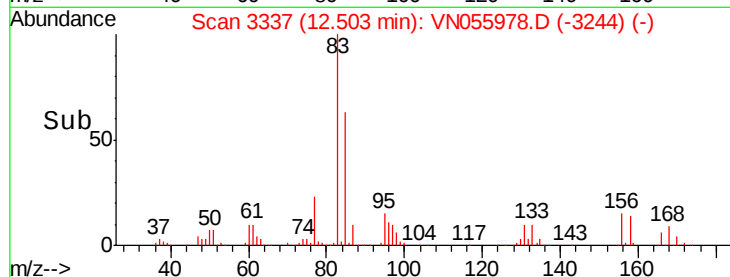
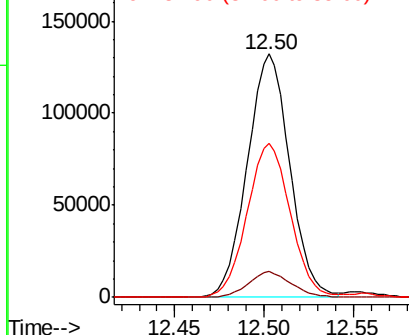
83 100

131 10.7 5.4 16.2

85 64.5 32.4 97.0



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



#76

1,2,3-Trichloropropane

Concen: 69.893 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN055978.D

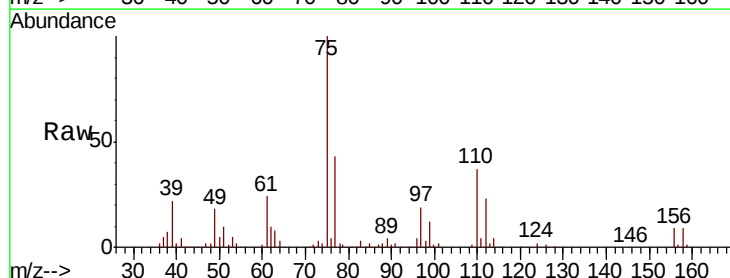
Acq: 4 Jun 2019 9:37

Tgt Ion: 75 Resp: 259438

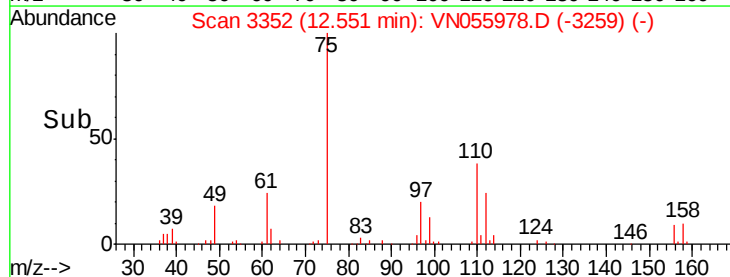
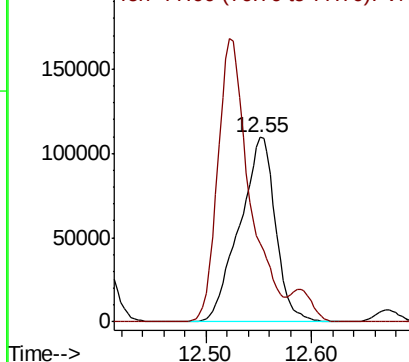
Ion Ratio Lower Upper

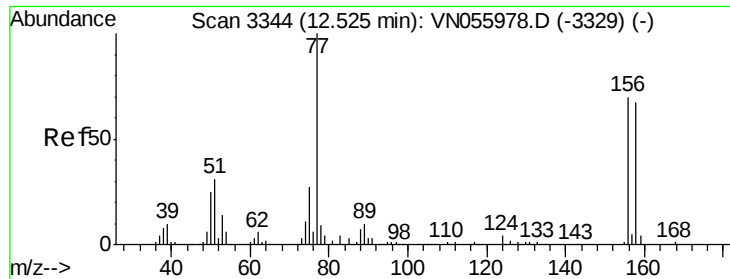
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 47.090 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

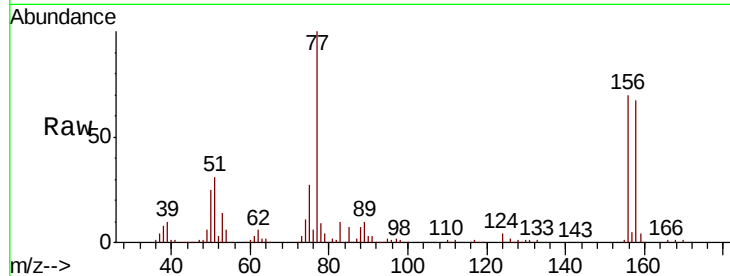
Tot Ion:156 Resp: 203383

Ion Ratio Lower Upper

156 100

77 172.7 90.8 272.5

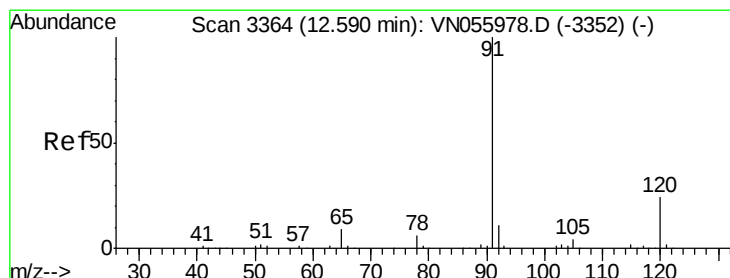
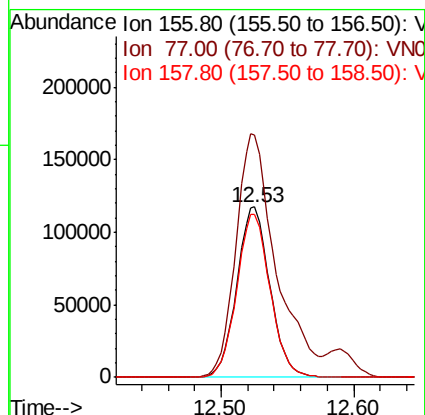
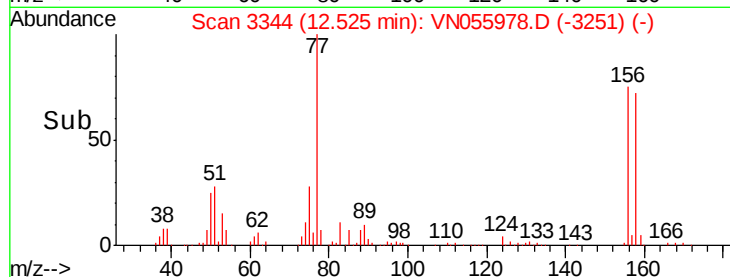
158 96.6 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.954 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055978.D

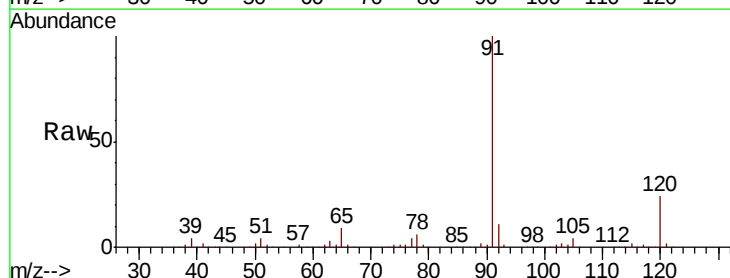
Acq: 4 Jun 2019 9:37

Tgt Ion: 91 Resp: 818400

Ion Ratio Lower Upper

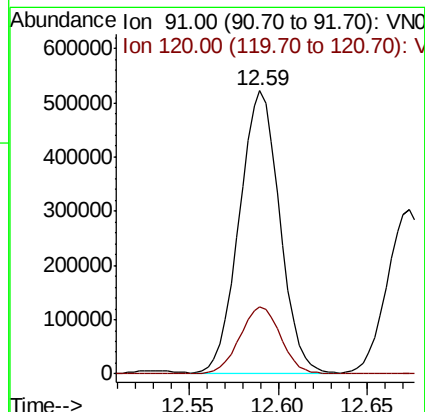
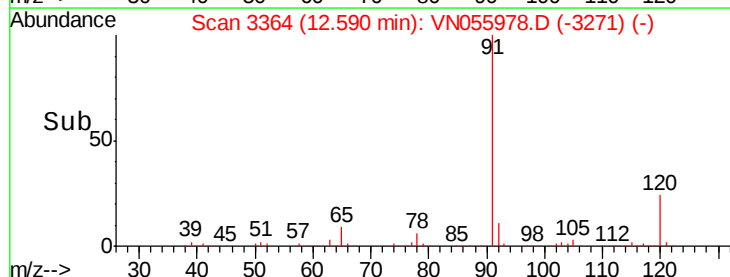
91 100

120 24.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.310 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

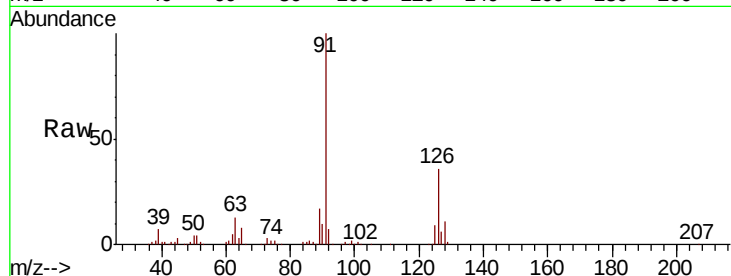
VSTDICCC050

Tot Ion: 91 Resp: 494157

Ion Ratio Lower Upper

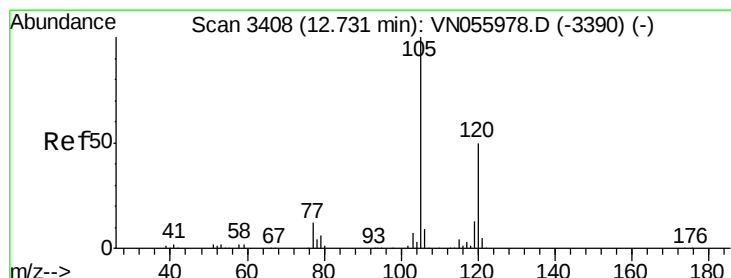
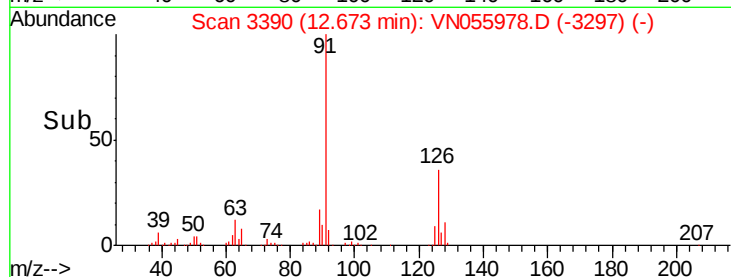
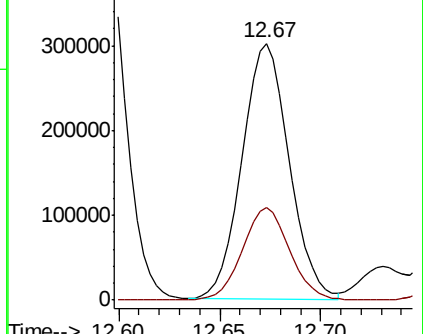
91 100

126 36.3 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055978.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 46.061 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055978.D

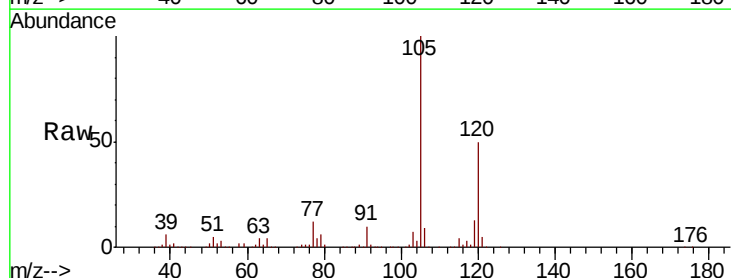
Acq: 4 Jun 2019 9:37

Tgt Ion: 105 Resp: 624758

Ion Ratio Lower Upper

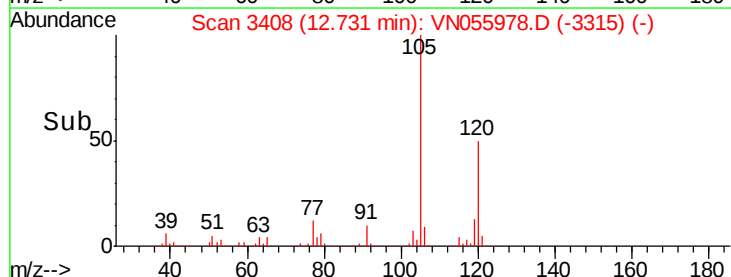
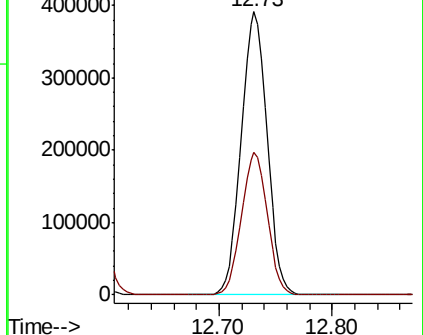
105 100

120 50.4 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055978.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN055978.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 51.662 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

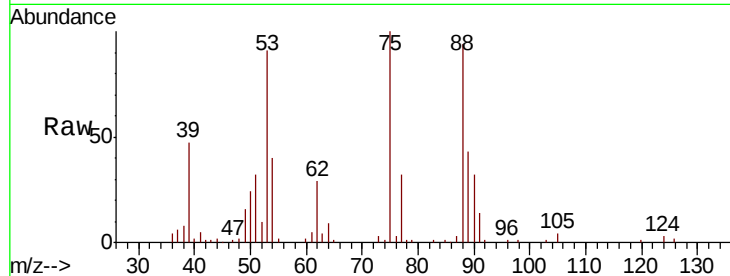
Tot Ion: 75 Resp: 57584

Ion Ratio Lower Upper

75 100

53 93.2 68.1 102.1

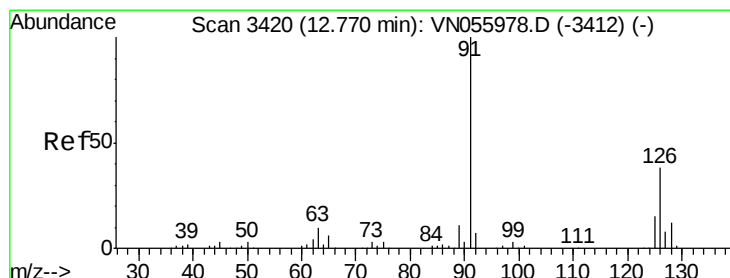
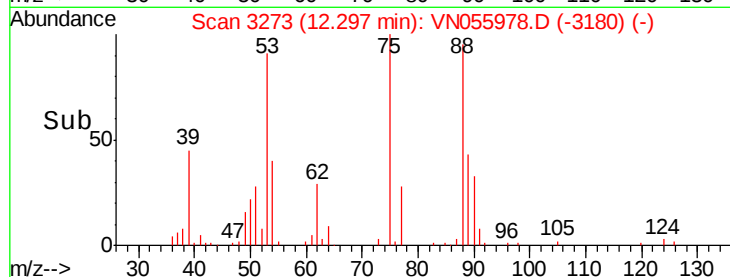
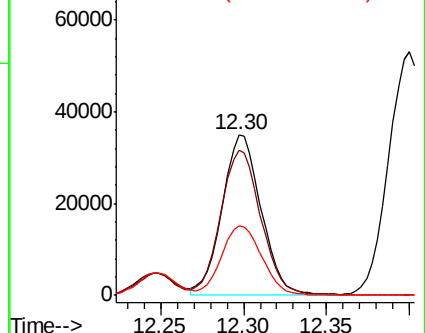
89 44.4 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 47.997 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN055978.D

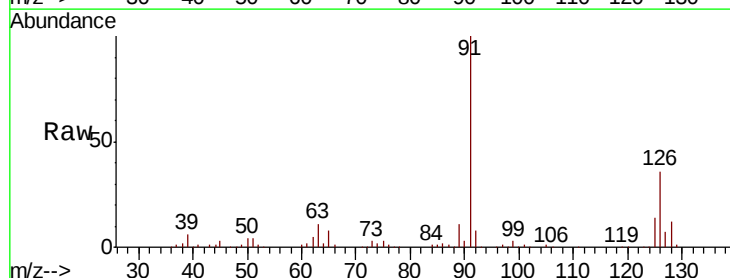
Acq: 4 Jun 2019 9:37

Tgt Ion: 91 Resp: 479233

Ion Ratio Lower Upper

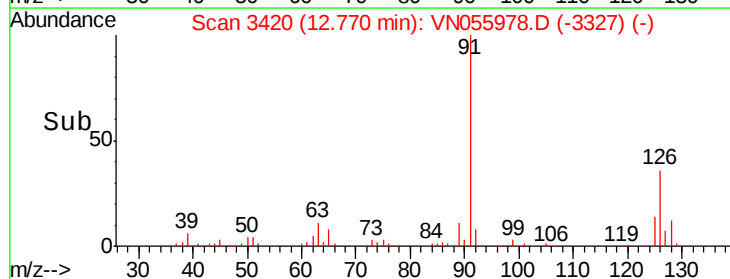
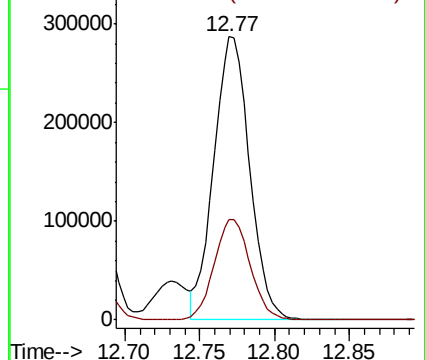
91 100

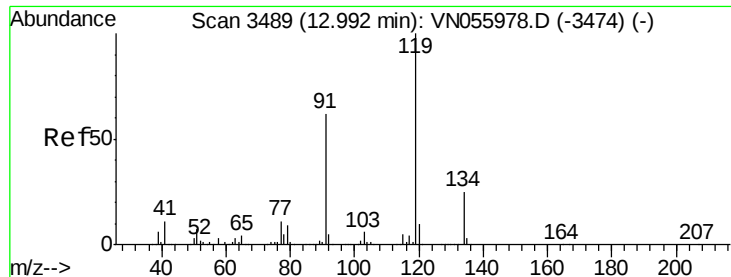
126 35.8 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

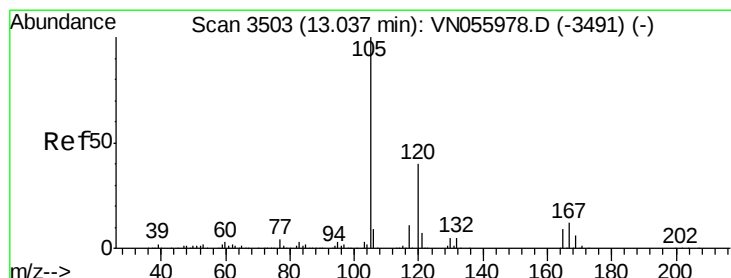
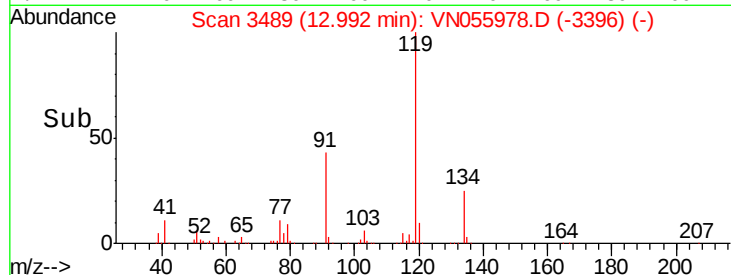
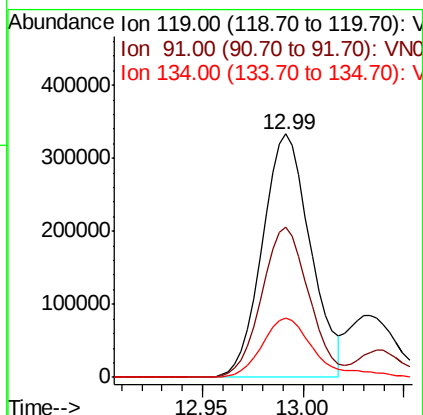
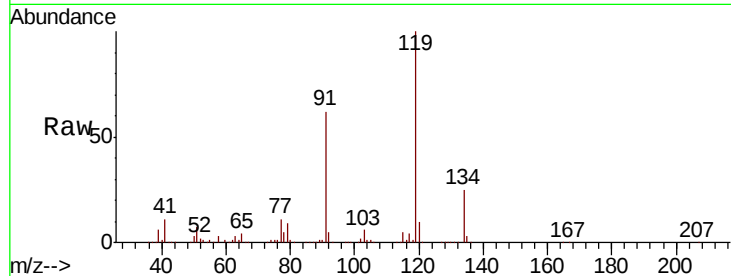




#83
 tert-Butylbenzene
 Concen: 52.711 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055978.D
 Acq: 4 Jun 2019 9:37

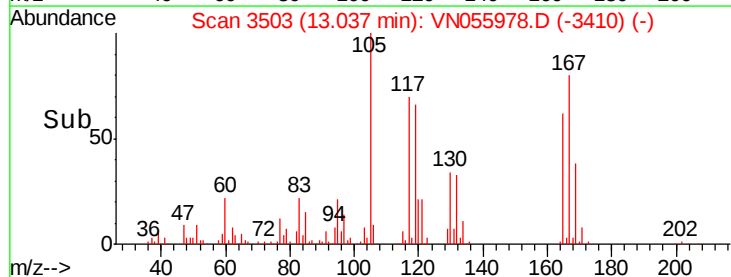
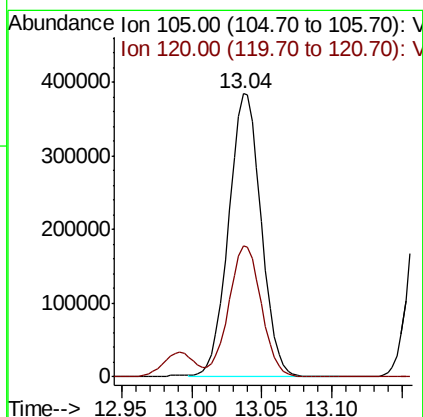
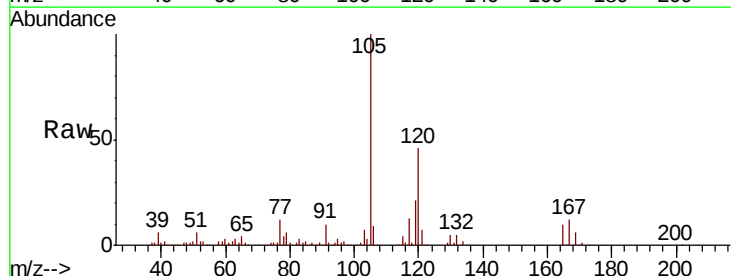
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

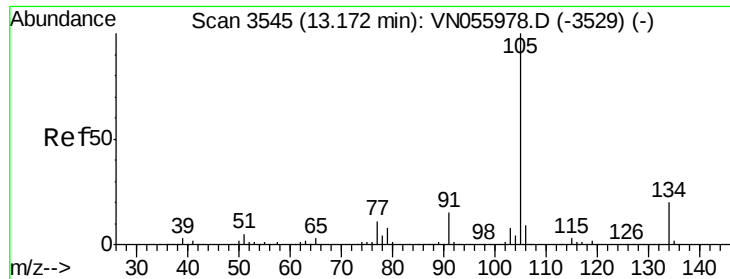
Tot Ion:119 Resp: 553166
 Ion Ratio Lower Upper
 119 100
 91 60.9 30.9 92.8
 134 26.6 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 48.268 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN055978.D
 Acq: 4 Jun 2019 9:37

Tgt Ion:105 Resp: 620834
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.0 69.0





#85

sec-Butylbenzene

Concen: 47.387 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

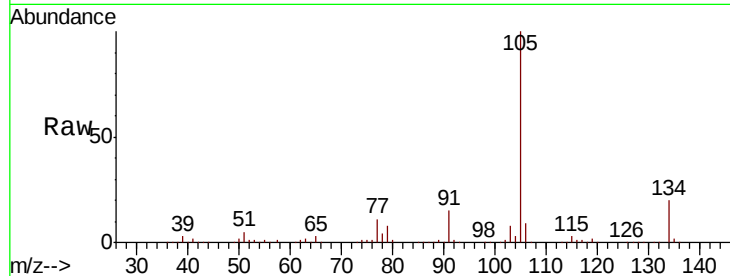
VSTDICCC050

Tot Ion:105 Resp: 716195

Ion Ratio Lower Upper

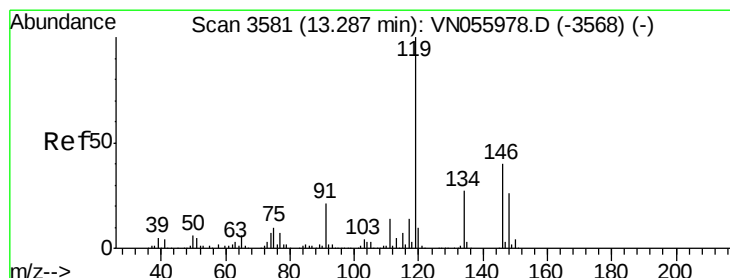
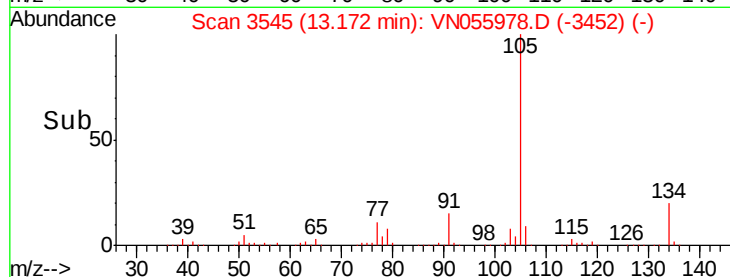
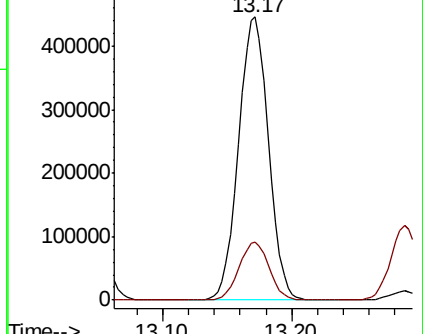
105 100

134 20.6 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.477 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

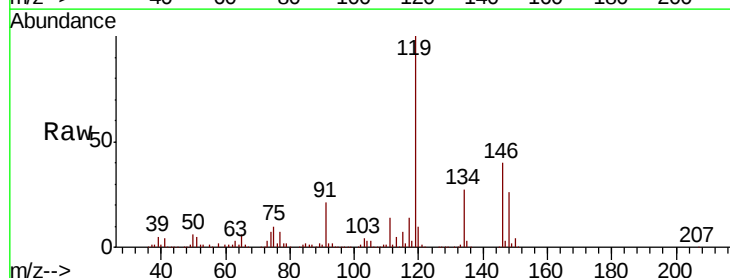
Tgt Ion:119 Resp: 655718

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

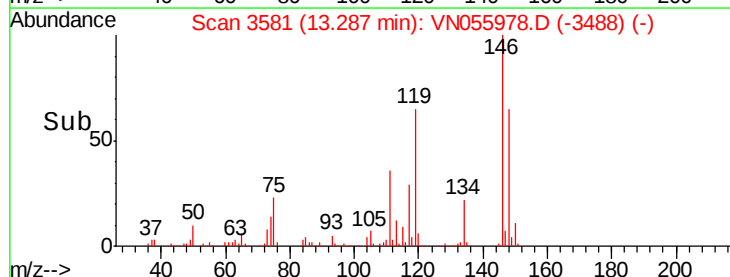
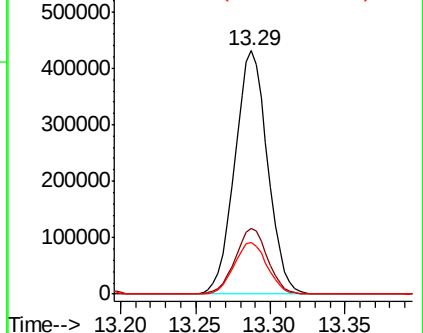
91 21.4 10.9 32.9

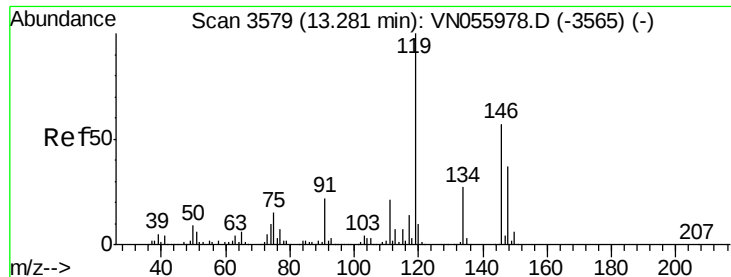


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.484 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

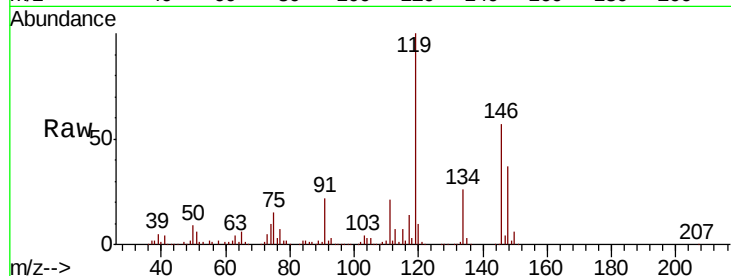
Tot Ion:146 Resp: 330781

Ion Ratio Lower Upper

146 100

111 37.0 18.5 55.5

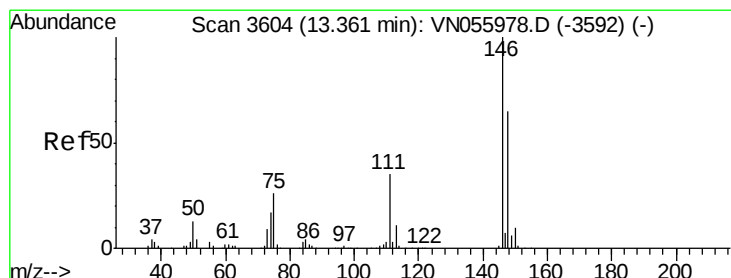
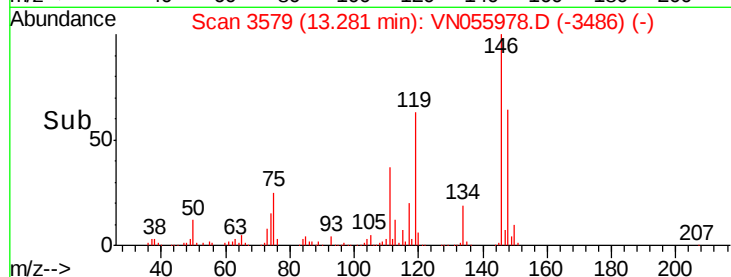
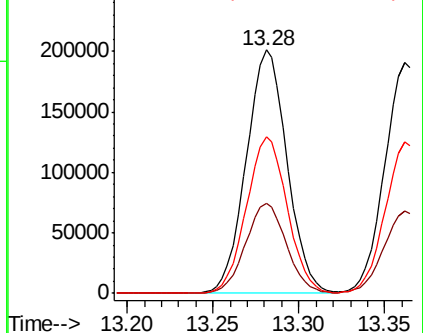
148 64.4 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.293 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

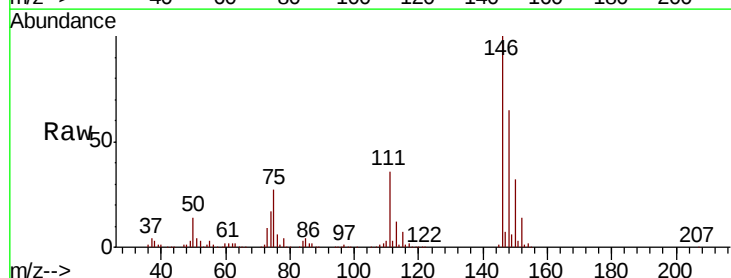
Tgt Ion:146 Resp: 316971

Ion Ratio Lower Upper

146 100

111 36.0 18.1 54.4

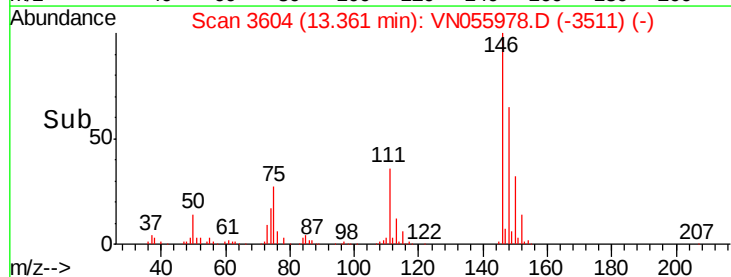
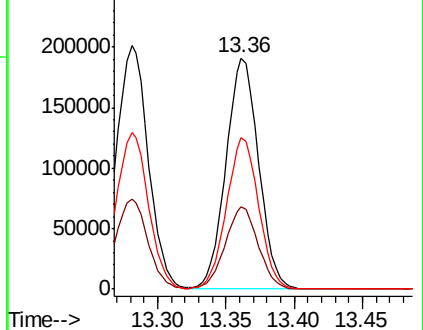
148 64.8 32.1 96.5

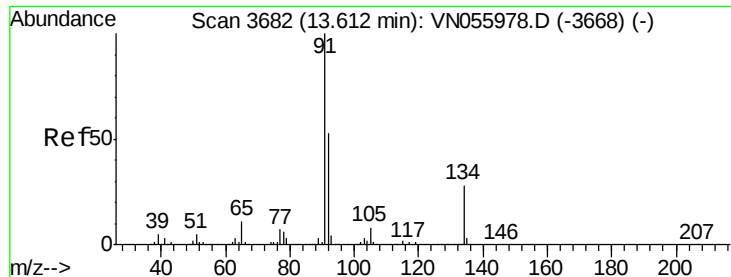


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

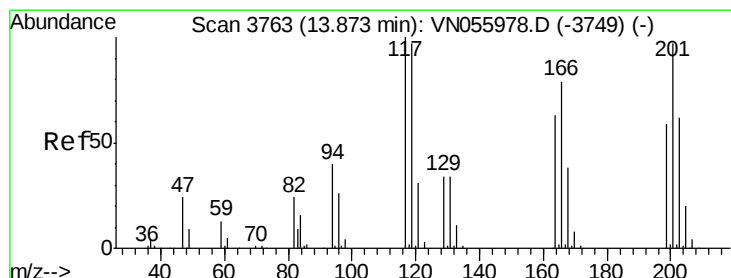
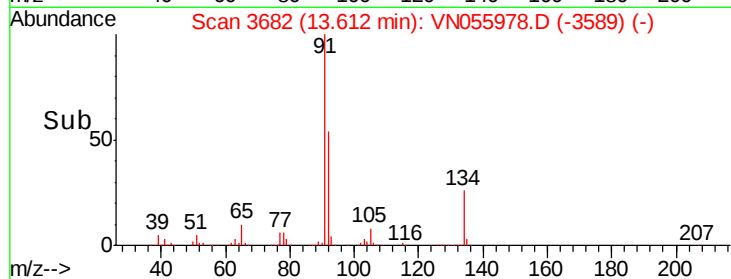
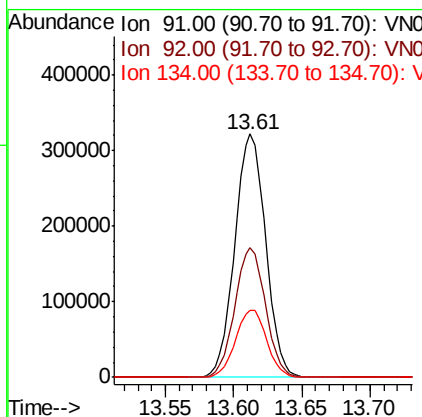
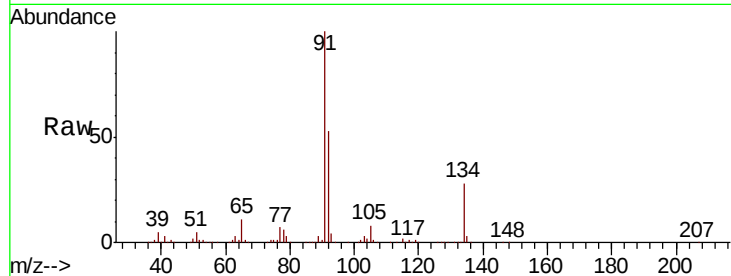




#89
n-Butylbenzene
Concen: 50.485 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

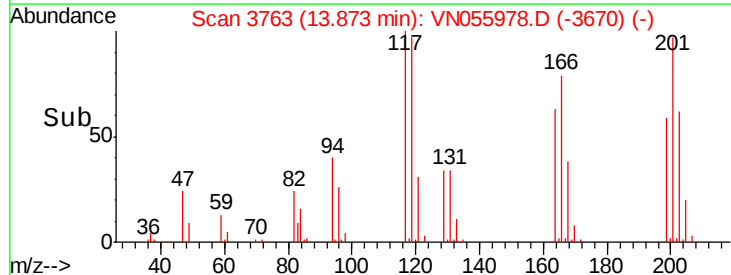
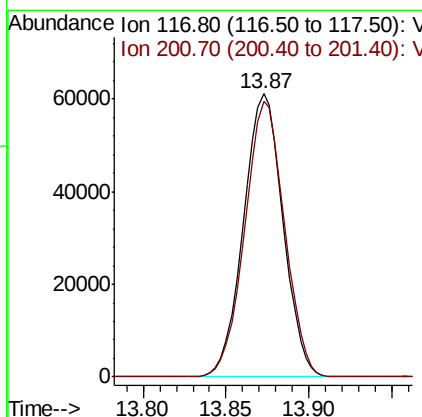
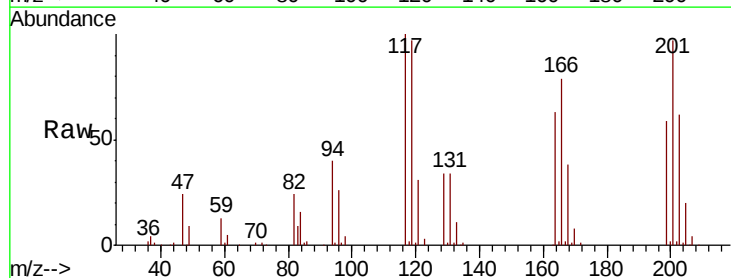
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 505868
Ion Ratio Lower Upper
91 100
92 52.7 26.4 79.0
134 27.9 13.9 41.7



#90
Hexachloroethane
Concen: 49.612 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Tgt Ion: 117 Resp: 101203
Ion Ratio Lower Upper
117 100
201 97.5 50.0 150.0





#91

1,2-Dichlorobenzene

Concen: 48.591 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

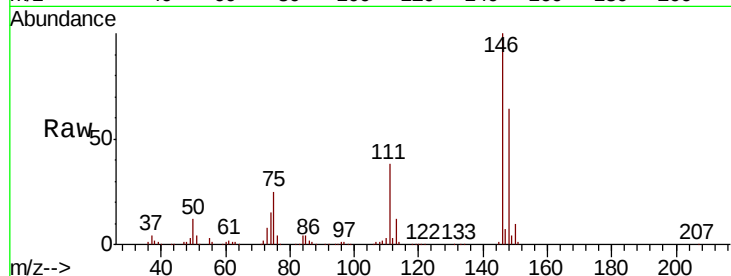
Tot Ion:146 Resp: 327933

Ion Ratio Lower Upper

146 100

111 37.9 19.1 57.5

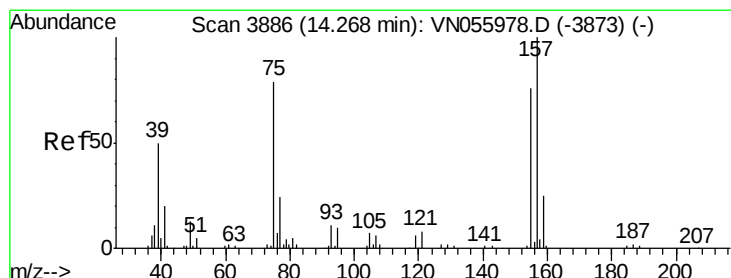
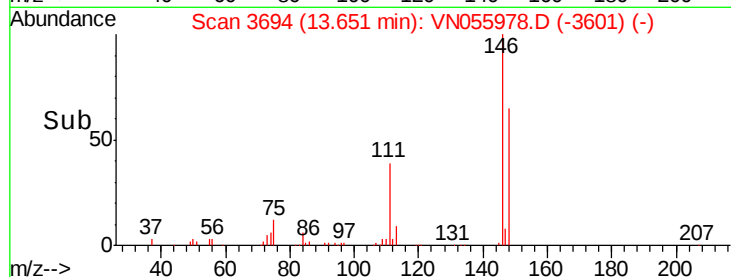
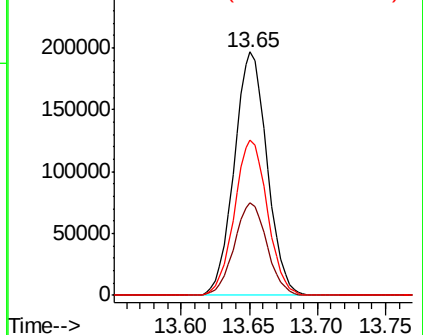
148 64.2 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.974 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

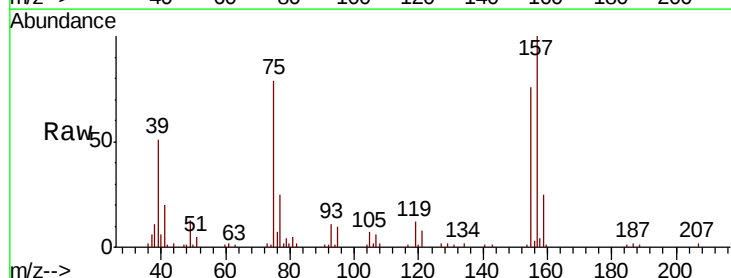
Tgt Ion: 75 Resp: 35483

Ion Ratio Lower Upper

75 100

155 101.1 50.0 150.1

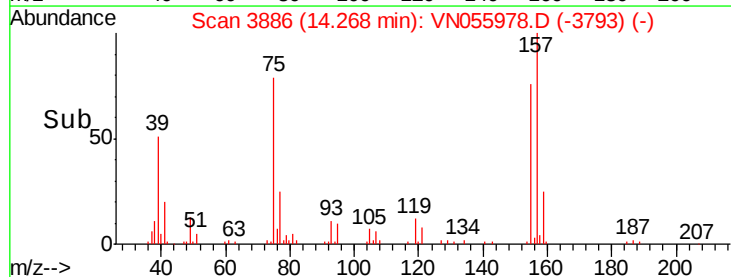
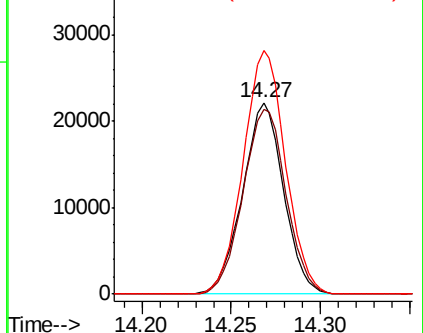
157 130.9 64.8 194.3



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

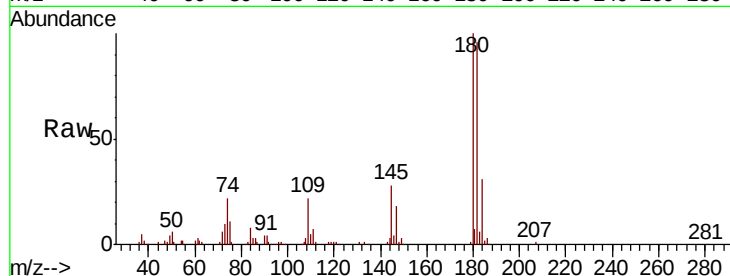




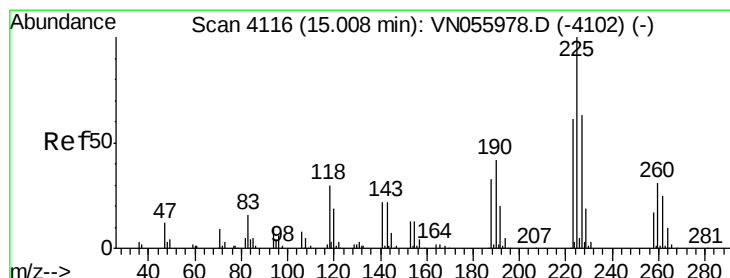
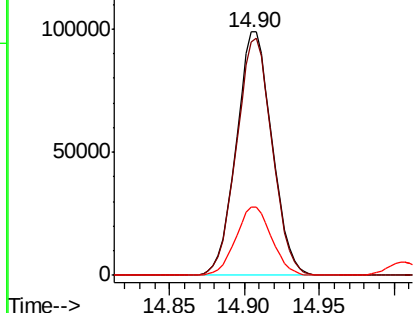
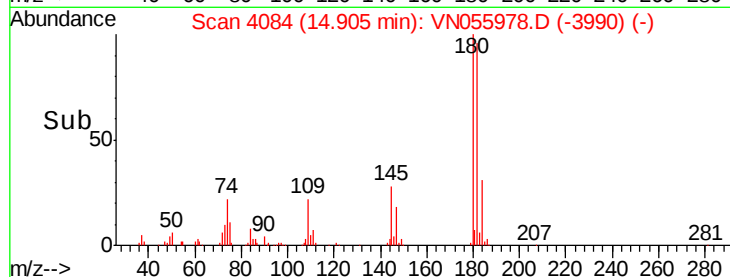
#93
 1,2,4-Trichlorobenzene
 Concen: 44.751 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN055978.D
 Acq: 4 Jun 2019 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:180 Resp: 164609
 Ion Ratio Lower Upper
 180 100
 182 96.9 48.3 144.9
 145 28.1 14.0 41.9

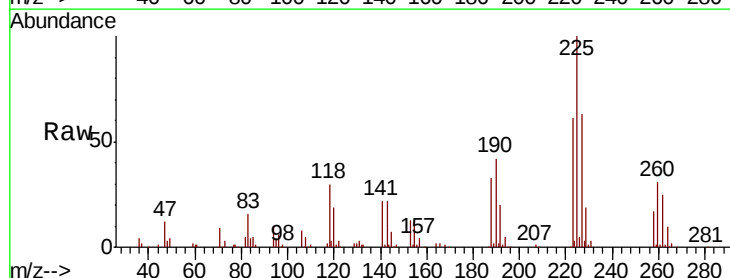


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

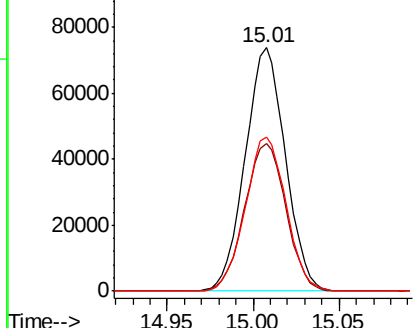
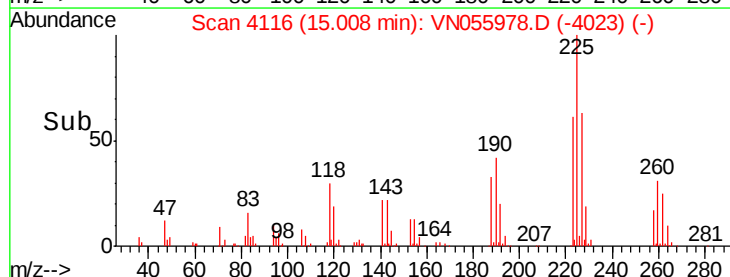


#94
 Hexachlorobutadiene
 Concen: 51.768 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055978.D
 Acq: 4 Jun 2019 9:37

Tgt Ion:225 Resp: 119657
 Ion Ratio Lower Upper
 225 100
 223 62.3 30.9 92.7
 227 63.9 31.6 94.7



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





#95

Naphthalene

Concen: 45.911 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

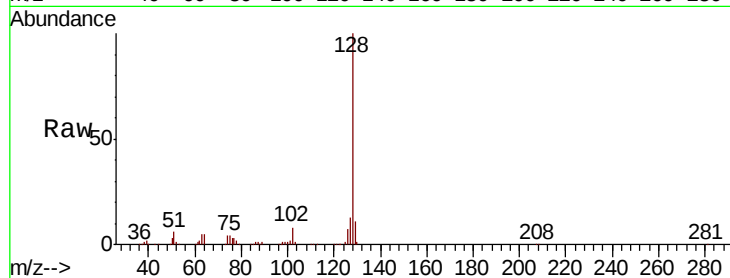
Tot Ion:128 Resp: 439695

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

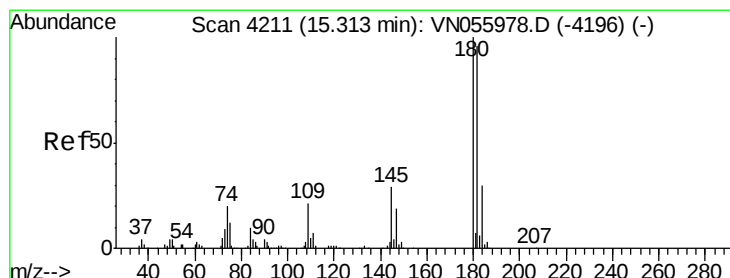
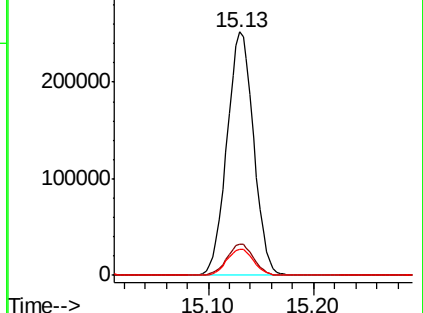
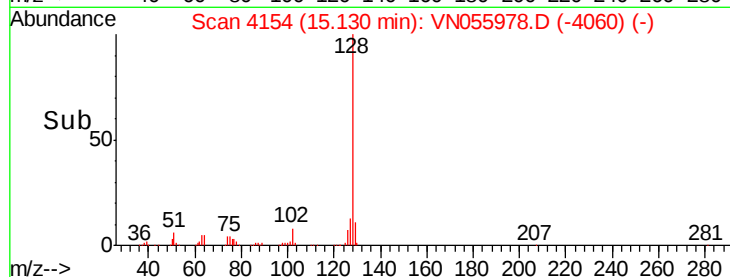
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 46.715 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

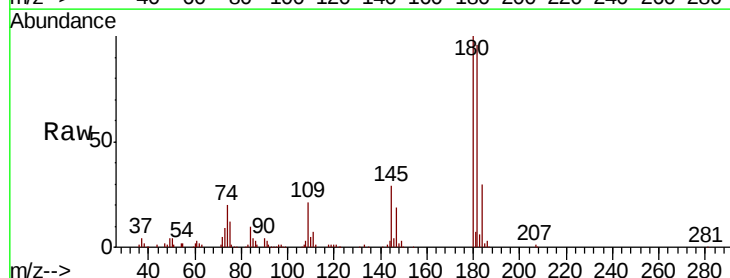
Tgt Ion:180 Resp: 176252

Ion Ratio Lower Upper

180 100

182 95.3 47.9 143.7

145 29.2 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

