

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055444.D
 Acq On : 7 May 2019 18:00
 Operator : JC/SP
 Sample : VN0507WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBSD01

Quant Time: May 08 05:50:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	322916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	530932	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	454050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	175502	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	237908	56.32	ug/l	0.00
Spiked Amount			Recovery	=	112.64%	
35) Dibromofluoromethane	7.59	113	178186	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
50) Toluene-d8	10.09	98	634757	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	
62) 4-Bromofluorobenzene	12.40	95	214692	54.59	ug/l	0.00
Spiked Amount			Recovery	=	109.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	75718	19.138	ug/l	95
3) Chloromethane	2.06	50	85982	17.551	ug/l	99
4) Vinyl Chloride	2.19	62	75068	19.009	ug/l	99
5) Bromomethane	2.56	94	42205	20.177	ug/l	100
6) Chloroethane	2.70	64	41350	19.329	ug/l	97
7) Trichlorofluoromethane	3.02	101	112912	20.108	ug/l	97
8) Diethyl Ether	3.41	74	47351	24.102	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	68548	20.500	ug/l	98
10) Methyl Iodide	3.95	142	86307	18.340	ug/l	97
11) Tert butyl alcohol	4.79	59	42463	175.567	ug/l	100
12) 1,1-Dichloroethene	3.74	96	65586	20.561	ug/l	97
13) Acrolein	3.61	56	14661	77.618	ug/l	98
14) Allyl chloride	4.33	41	143190	21.674	ug/l	98
15) Acrylonitrile	5.00	53	183530	135.000	ug/l	100
16) Acetone	3.82	43	140905	107.047	ug/l	98
17) Carbon Disulfide	4.06	76	144203	17.322	ug/l	99
18) Methyl Acetate	4.33	43	102451	31.569	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	225005	25.091	ug/l	99
20) Methylene Chloride	4.55	84	79684	19.833	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	70572	20.890	ug/l	100
22) Diisopropyl ether	5.96	45	308102	23.472	ug/l	94
23) Vinyl Acetate	5.90	43	1093099	127.058	ug/l	100
24) 1,1-Dichloroethane	5.85	63	154366	22.071	ug/l	98
25) 2-Butanone	6.84	43	231450	137.492	ug/l	99
26) 2,2-Dichloropropane	6.83	77	91133	18.870	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	85010	22.128	ug/l	98
28) Bromochloromethane	7.20	49	80580	22.857	ug/l	96
29) Tetrahydrofuran	7.22	42	160310	148.724	ug/l	99
30) Chloroform	7.37	83	149329	22.523	ug/l	98
31) Cyclohexane	7.66	56	134621	20.259	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	116310	21.616	ug/l	99
36) 1,1-Dichloropropene	7.80	75	102621	20.179	ug/l	99
37) Ethyl Acetate	6.93	43	96079	24.651	ug/l #	79
38) Carbon Tetrachloride	7.78	117	99466	20.276	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	110455	20.428	ug/l	99
40) Benzene	8.04	78	314122	20.953	ug/l	100
41) Methacrylonitrile	7.18	41	49943	24.065	ug/l #	86
42) 1,2-Dichloroethane	8.13	62	116525	21.945	ug/l	100
43) Isopropyl Acetate	8.17	43	172224	27.496	ug/l #	88
44) Trichloroethene	8.84	130	77261	20.216	ug/l	97
45) 1,2-Dichloropropane	9.12	63	93675	21.665	ug/l	98
46) Dibromomethane	9.21	93	51519	21.798	ug/l	98
47) Bromodichloromethane	9.41	83	110385	21.771	ug/l	98
48) Methyl methacrylate	9.20	41	81663	26.520	ug/l	100
49) 1,4-Dioxane	9.20	88	18747	588.950	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	501866	142.310	ug/l	99
52) Toluene	10.16	92	181935	21.151	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	101428	23.044	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	118836	21.654	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	76446	23.933	ug/l	98
56) Ethyl methacrylate	10.43	69	101992	25.942	ug/l	98
57) 1,3-Dichloropropane	10.71	76	129134	23.045	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	104061	93.458	ug/l	99
59) 2-Hexanone	10.75	43	329106	149.152	ug/l	98
60) Dibromochloromethane	10.90	129	74960	22.961	ug/l	99
61) 1,2-Dibromoethane	11.01	107	70986	24.044	ug/l	99
64) Tetrachloroethene	10.63	164	75468	20.325	ug/l	98
65) Chlorobenzene	11.43	112	182686	20.579	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	73102	21.030	ug/l	99
67) Ethyl Benzene	11.51	91	344020	21.460	ug/l	99
68) m/p-Xylenes	11.62	106	245687	42.937	ug/l	98
69) o-Xylene	11.95	106	121845	21.484	ug/l	99
70) Styrene	11.96	104	200598	23.036	ug/l	100
71) Bromoform	12.13	173	45816	23.753	ug/l #	99
73) Isopropylbenzene	12.25	105	339669	22.590	ug/l	99
74) N-amyl acetate	12.07	43	126926	28.180	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	96411	26.213	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	113543	34.001	ug/l #	100
77) Bromobenzene	12.53	156	80640	22.890	ug/l	98
78) n-propylbenzene	12.59	91	363676	20.173	ug/l	100
79) 2-Chlorotoluene	12.68	91	229274	22.649	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	287538	20.898	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21064	22.745	ug/l	93
82) 4-Chlorotoluene	12.77	91	215975	20.604	ug/l	99
83) tert-Butylbenzene	12.99	119	245527	23.679	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	277885	22.583	ug/l	99
85) sec-Butylbenzene	13.17	105	317692	21.244	ug/l	100
86) p-Isopropyltoluene	13.29	119	265329	21.587	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	126451	21.532	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	119868	21.674	ug/l	98
89) n-Butylbenzene	13.62	91	192053	21.989	ug/l	99
90) Hexachloroethane	13.87	117	45636	22.585	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	127587	21.920	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14021	30.367	ug/l	99

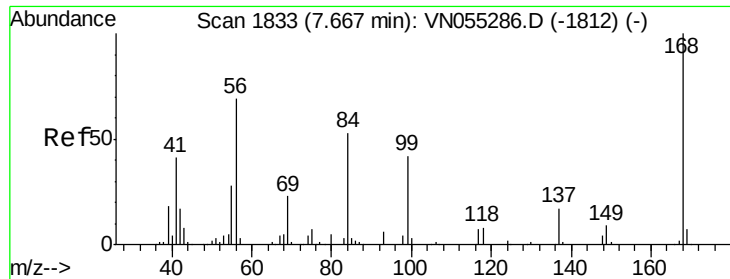
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	46922	22.405	ug/l	97
94) Hexachlorobutadiene	15.01	225	46254	25.010	ug/l	97
95) Naphthalene	15.13	128	105721	23.558	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	49809	23.502	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

ClientSampleId :

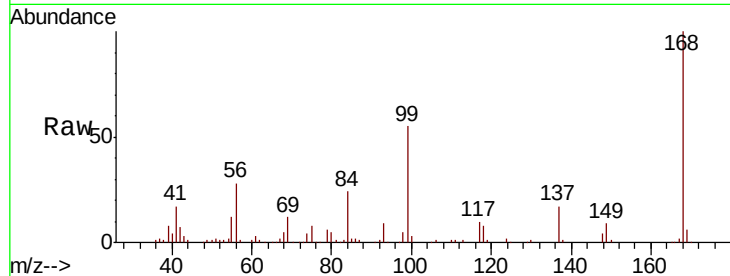
VN0507WBSD01

Tot Ion:168 Resp: 322916

Ion Ratio Lower Upper

168 100

99 54.3 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

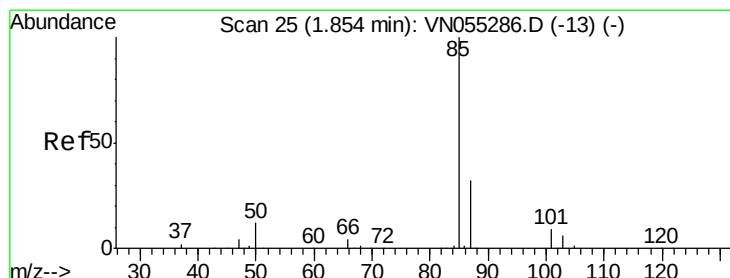
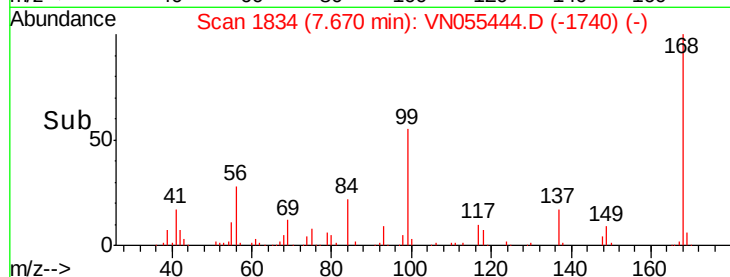
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.138 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055444.D

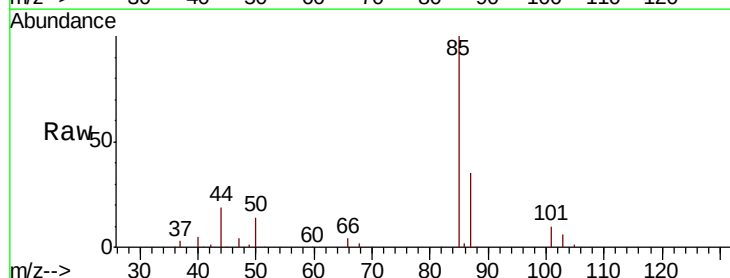
Acq: 7 May 2019 18:00

Tgt Ion: 85 Resp: 75718

Ion Ratio Lower Upper

85 100

87 35.2 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

60000

50000

40000

30000

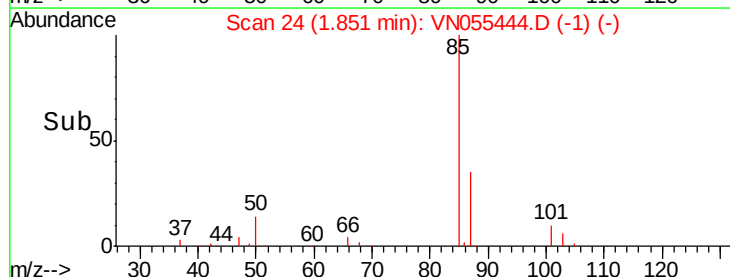
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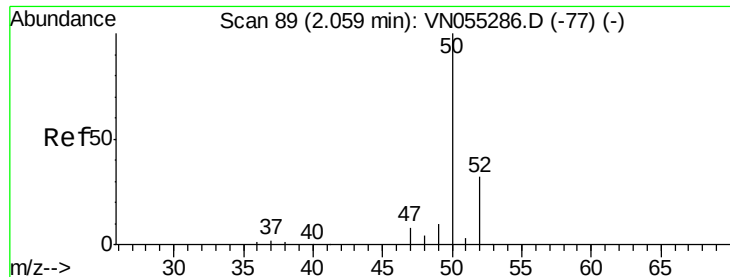
10000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.551 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

ClientSampleId :

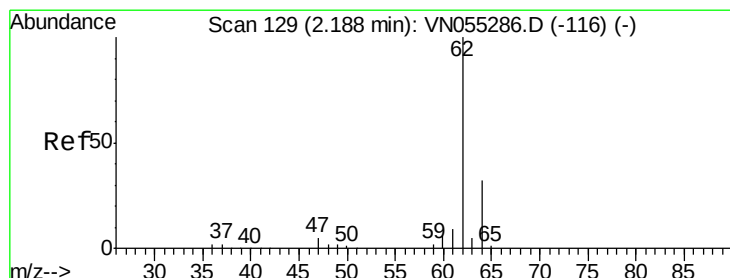
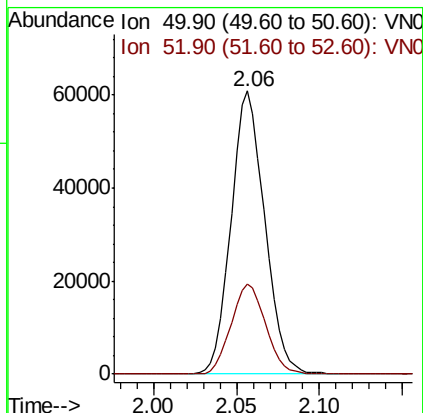
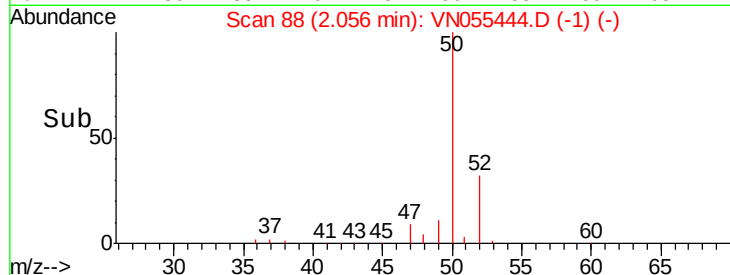
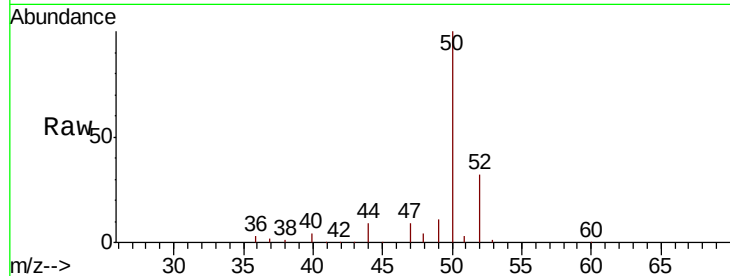
VN0507WBSD01

Tot Ion: 50 Resp: 85982

Ion Ratio Lower Upper

50 100

52 31.8 25.7 38.5



#4

Vinyl Chloride

Concen: 19.009 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055444.D

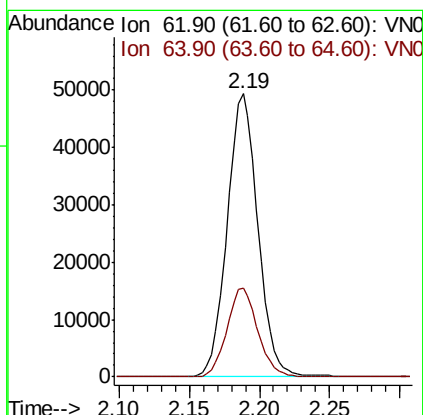
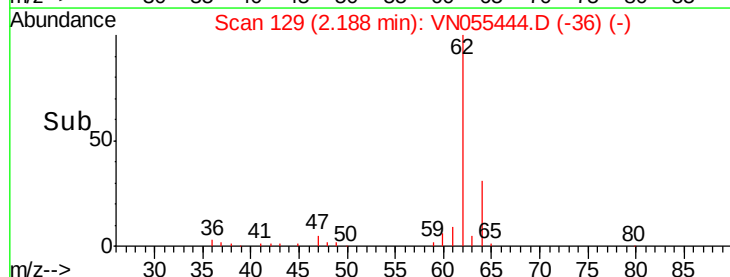
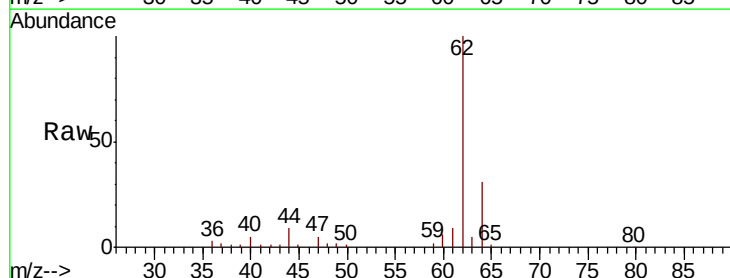
Acq: 7 May 2019 18:00

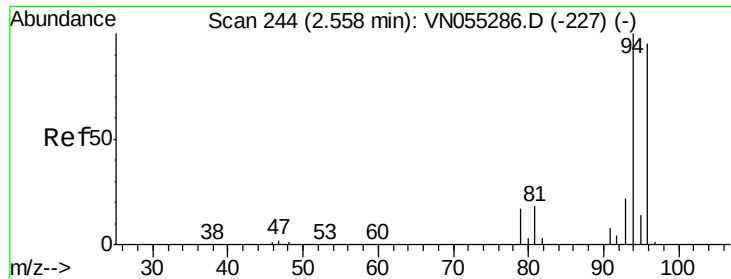
Tgt Ion: 62 Resp: 75068

Ion Ratio Lower Upper

62 100

64 31.4 25.5 38.3





#5

Bromomethane

Concen: 20.177 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

ClientSampleId :

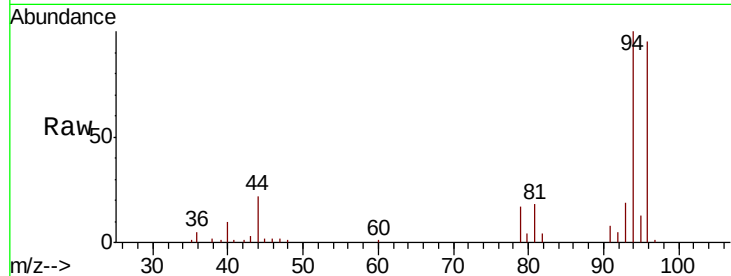
VN0507WBSD01

Tot Ion: 94 Resp: 42205

Ion Ratio Lower Upper

94 100

96 95.2 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VN055286.D (-227) (-)

Ion 95.90 (95.60 to 96.60): VN055286.D (-227) (-)

25000

20000

15000

10000

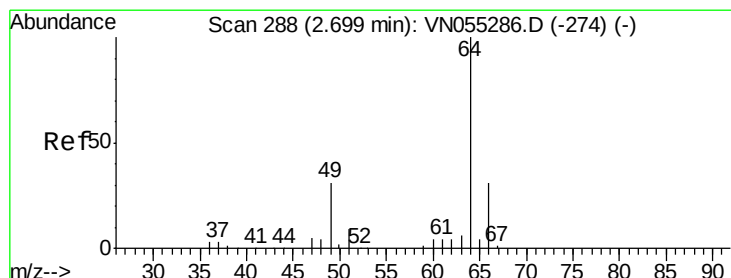
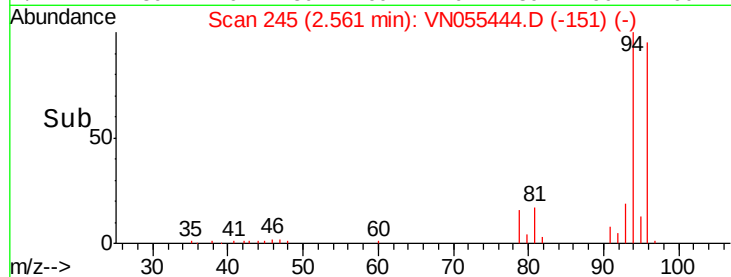
5000

0

Time-->

2.50 2.55 2.60 2.65

2.56



#6

Chloroethane

Concen: 19.329 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN055444.D

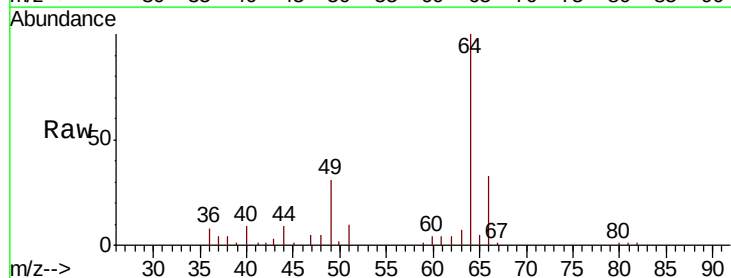
Acq: 7 May 2019 18:00

Tgt Ion: 64 Resp: 41350

Ion Ratio Lower Upper

64 100

66 32.8 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN055286.D (-274) (-)

Ion 65.90 (65.60 to 66.60): VN055286.D (-274) (-)

25000

20000

15000

10000

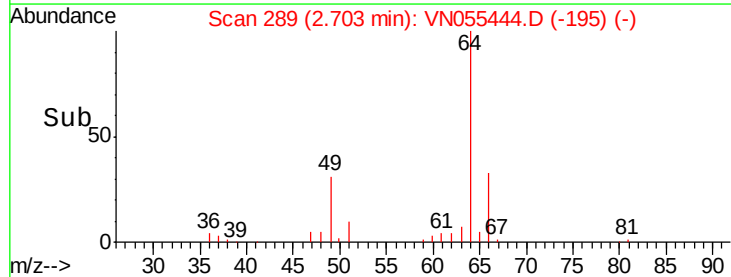
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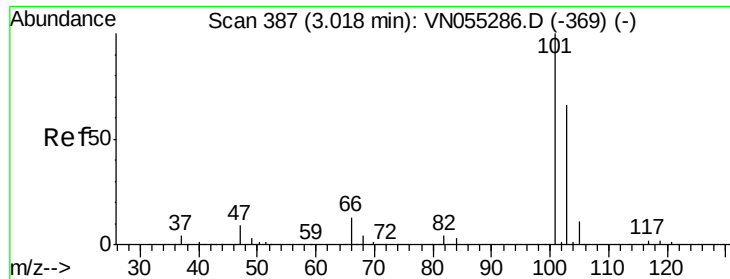
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Time-->

2.60 2.65 2.70 2.75 2.80

2.70



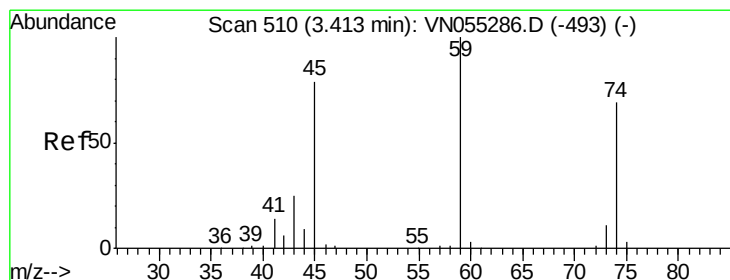
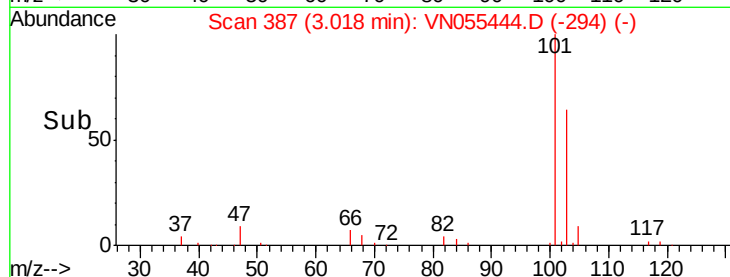
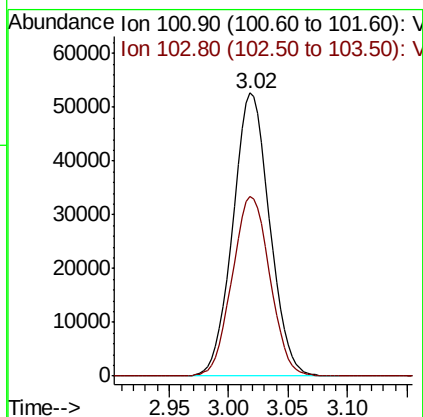
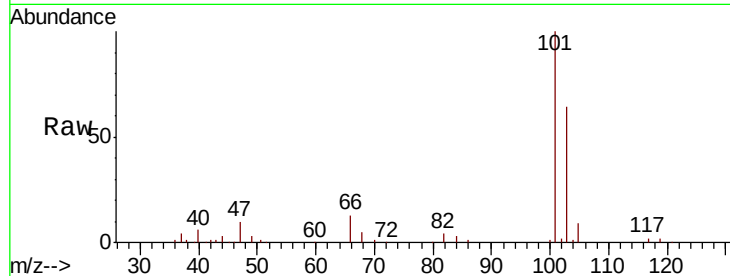


#7

Trichlorofluoromethane
 Concen: 20.108 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Instrument :
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 VN0507WBSD01

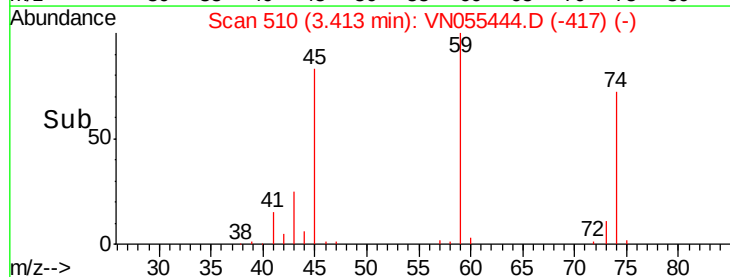
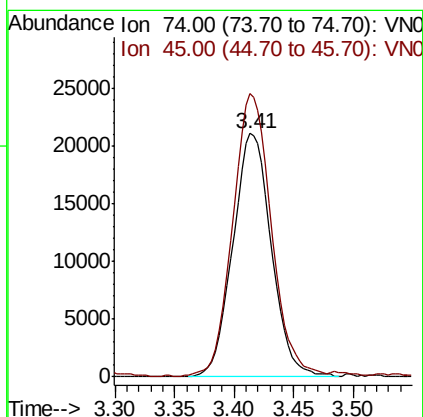
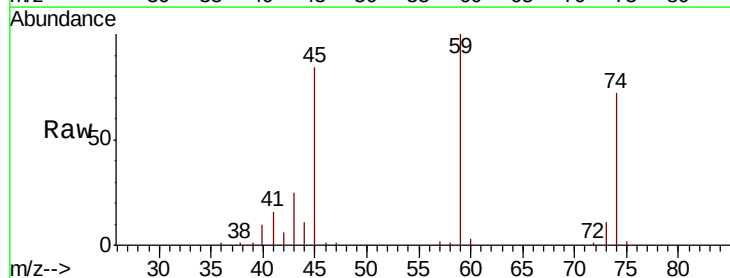
Tot Ion:101 Resp: 112912
 Ion Ratio Lower Upper
 101 100
 103 63.7 52.6 79.0

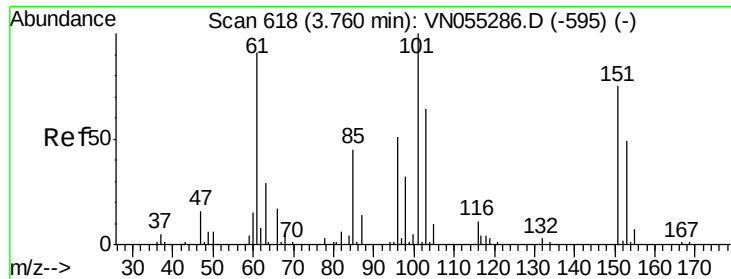


#8

Diethyl Ether
 Concen: 24.102 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Tgt Ion: 74 Resp: 47351
 Ion Ratio Lower Upper
 74 100
 45 117.1 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.500 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBSD01

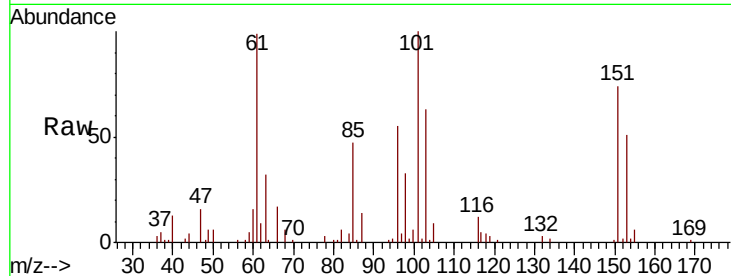
Tot Ion:101 Resp: 68548

Ion Ratio Lower Upper

101 100

85 45.5 35.7 53.5

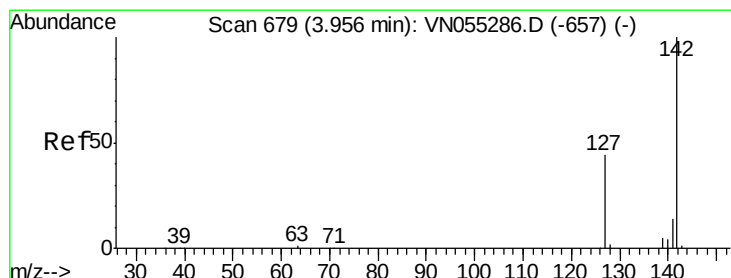
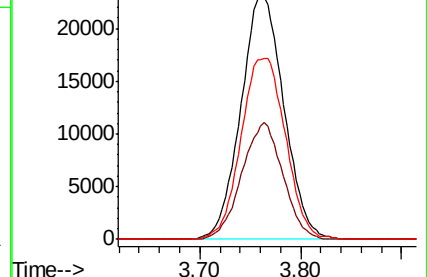
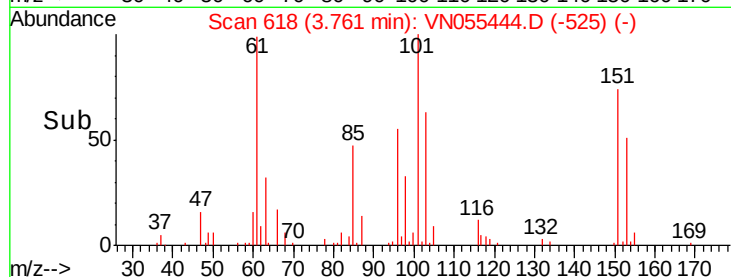
151 76.9 63.3 94.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.340 ug/l

RT: 3.95 min Scan# 678

Delta R.T. -0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

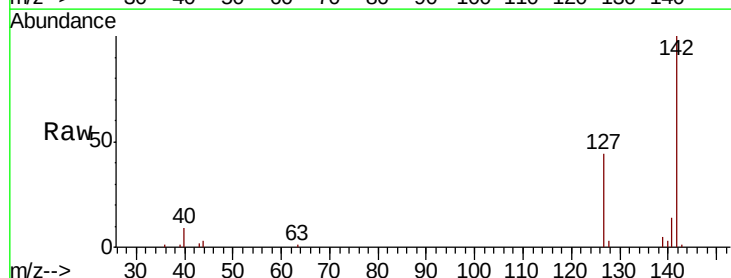
Tgt Ion:142 Resp: 86307

Ion Ratio Lower Upper

142 100

127 44.8 34.4 51.6

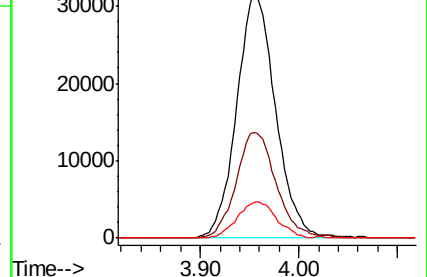
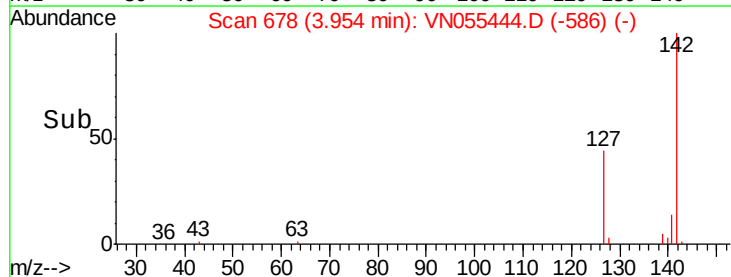
141 15.1 11.5 17.3

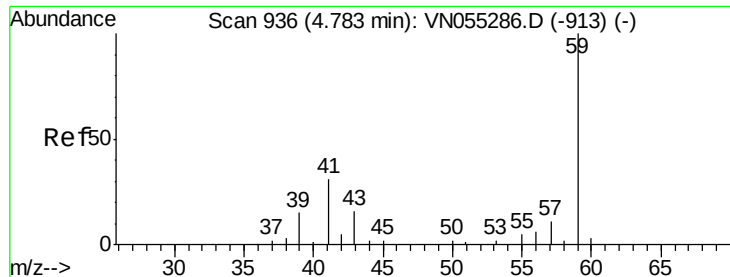


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

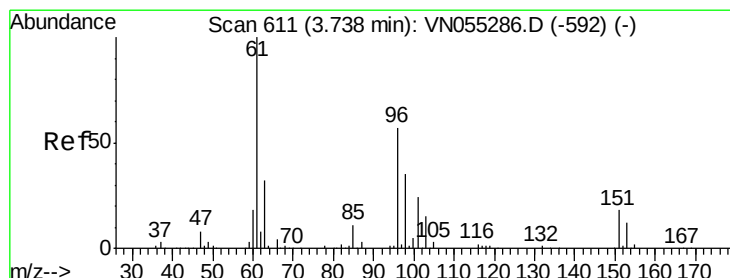
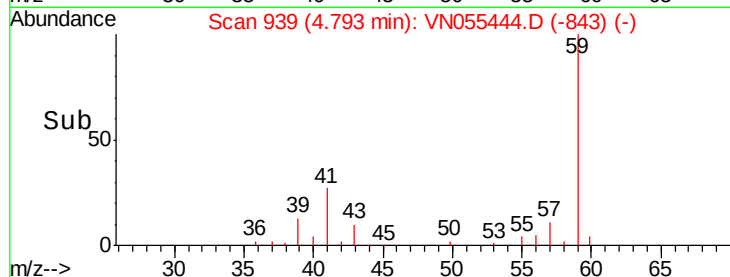
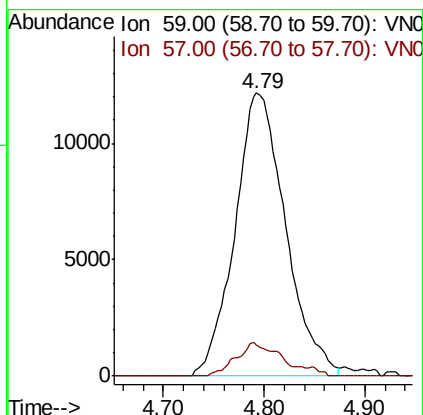
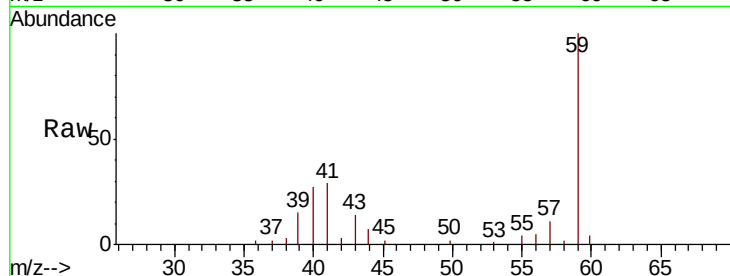




#11
Tert butyl alcohol
Concen: 175.567 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.01 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

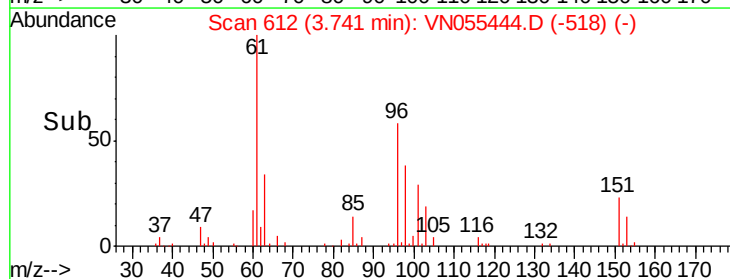
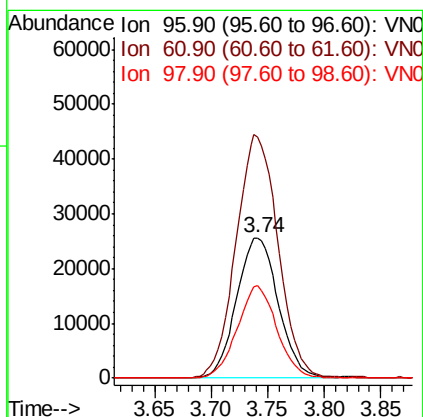
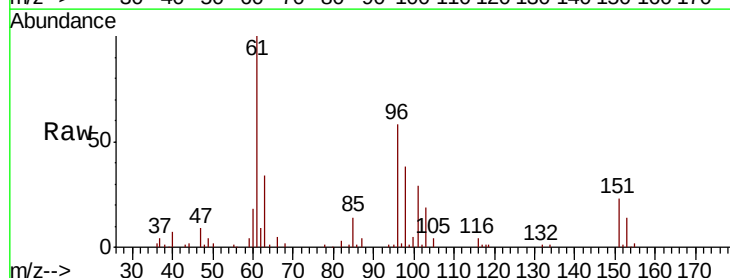
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01

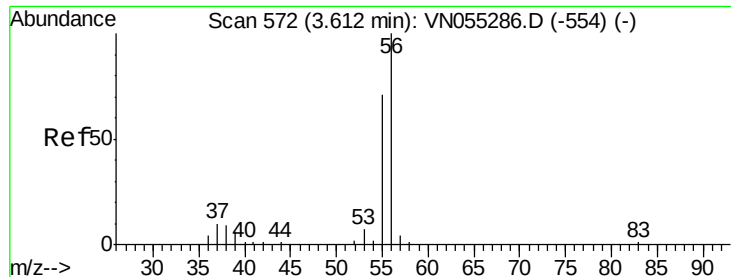
Tot Ion: 59 Resp: 42463
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.2



#12
1,1-Dichloroethene
Concen: 20.561 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Tgt Ion: 96 Resp: 65586
Ion Ratio Lower Upper
96 100
61 171.7 140.9 211.3
98 65.9 50.0 75.0





#13

Acrolein

Concen: 77.618 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

ClientSampleId :

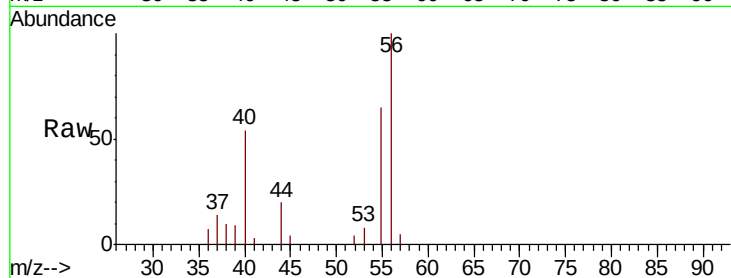
VN0507WBSD01

Tot Ion: 56 Resp: 14661

Ion Ratio Lower Upper

56 100

55 69.8 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

6000

5000

4000

3000

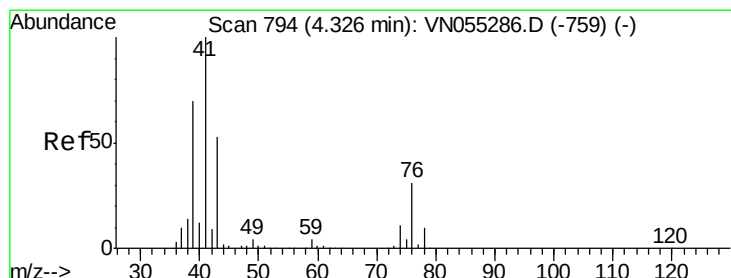
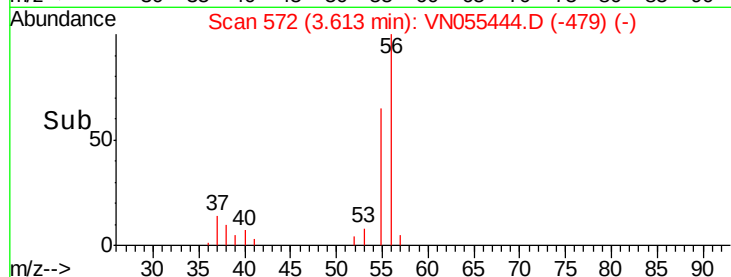
2000

1000

0

Time-->

3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 21.674 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

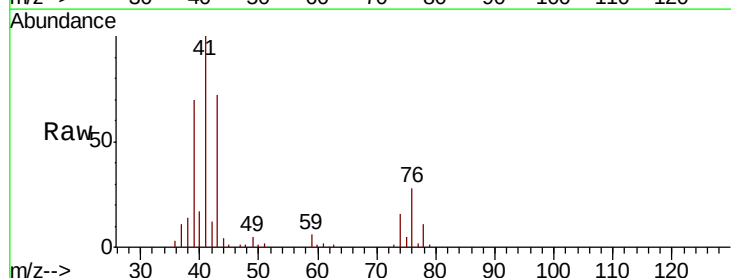
Tgt Ion: 41 Resp: 143190

Ion Ratio Lower Upper

41 100

39 66.9 53.0 79.6

76 26.4 22.7 34.1



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

60000

50000

40000

30000

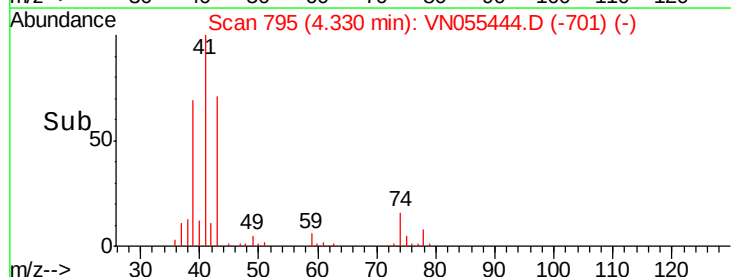
20000

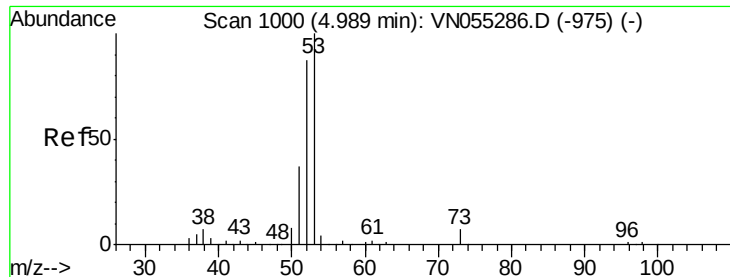
10000

0

Time-->

4.20 4.30 4.40 4.50





#15

Acrylonitrile

Concen: 135.000 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

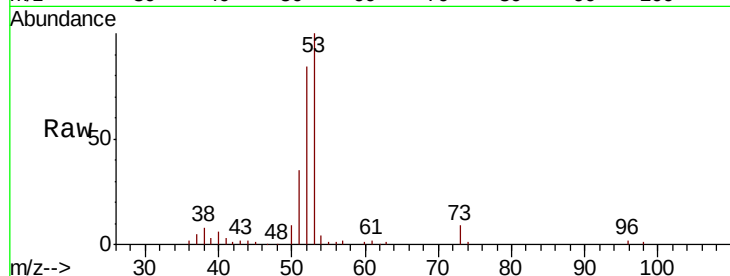
MSVOA_N

ClientSampled :

VN0507WBSD01

Tot Ion: 53 Resp: 183530

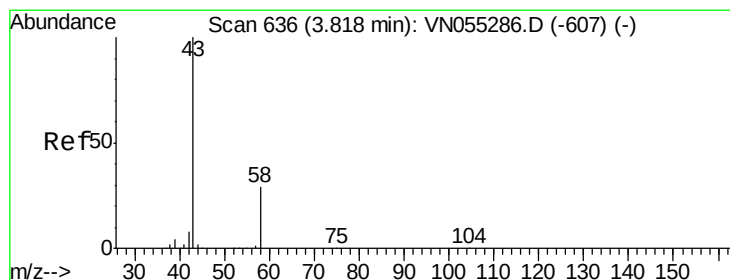
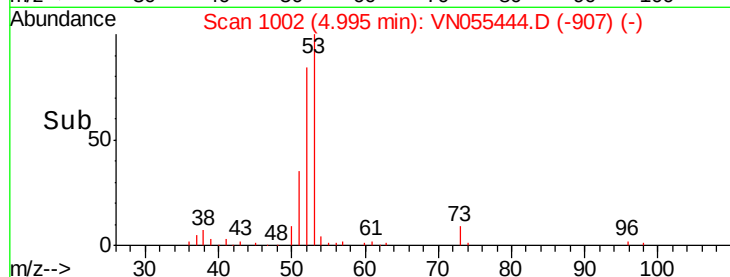
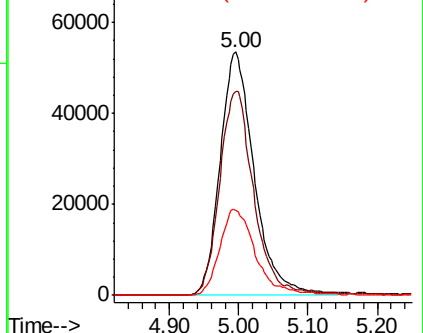
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.5	99.7
51	37.1	29.6	44.4



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: 107.047 ug/l

RT: 3.82 min Scan# 638

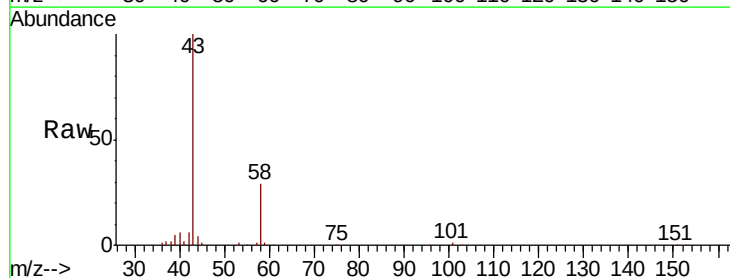
Delta R.T. 0.01 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

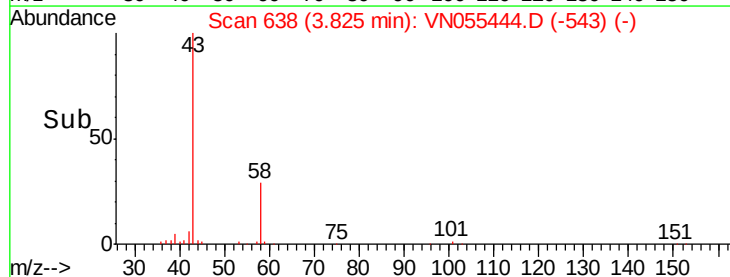
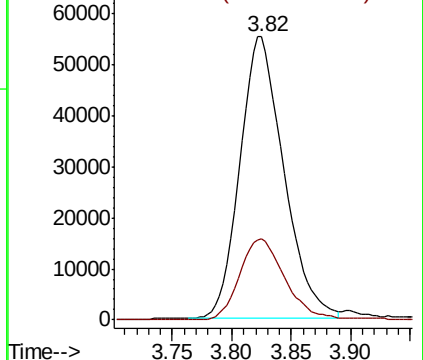
Tgt Ion: 43 Resp: 140905

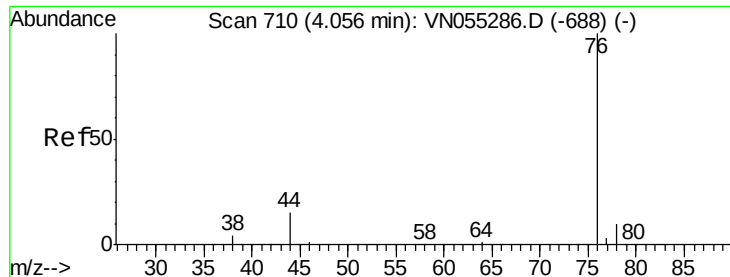
Ion	Ratio	Lower	Upper
43	100		
58	28.6	23.6	35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

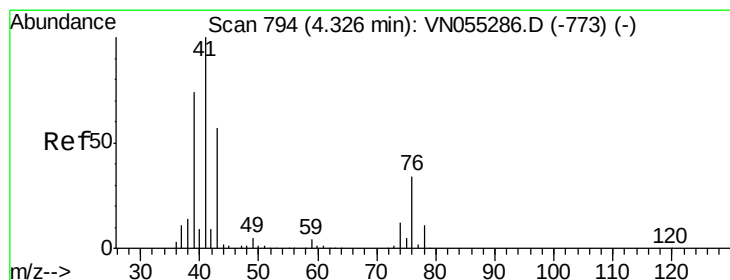
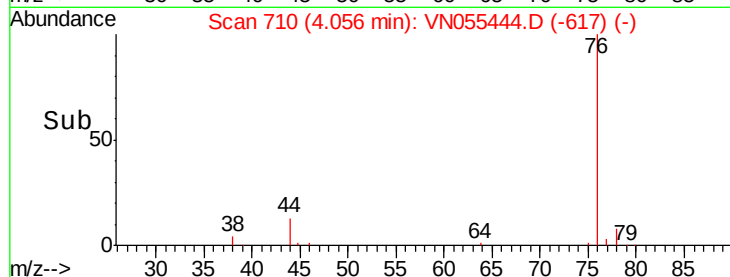
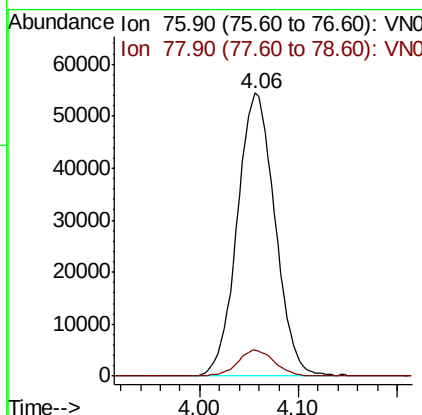
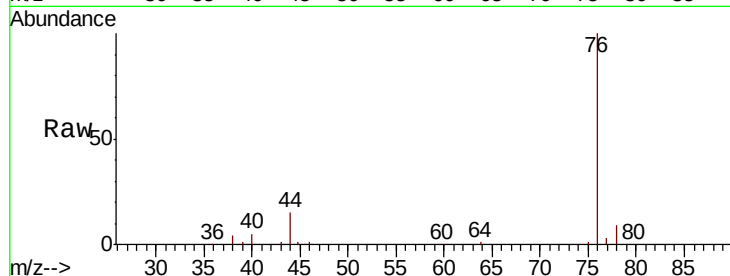




#17
Carbon Disulfide
Concen: 17.322 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

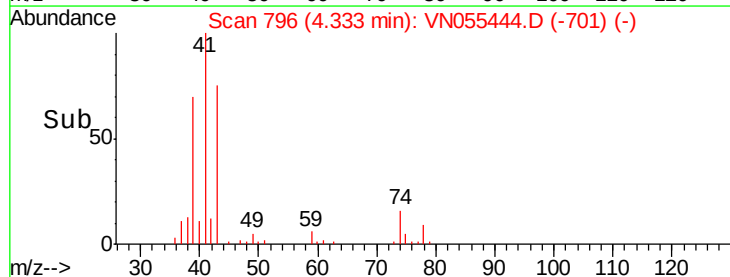
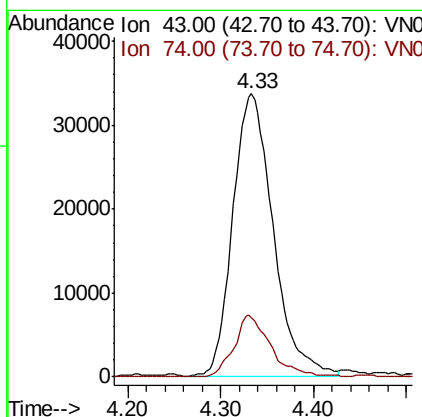
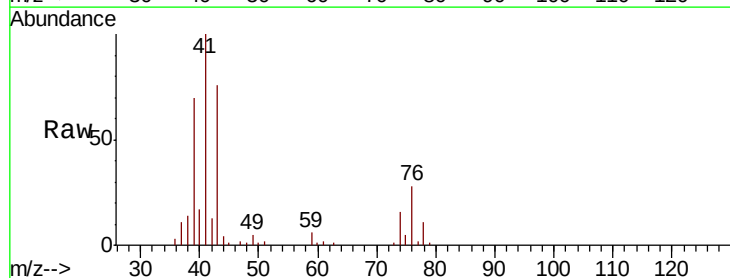
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01

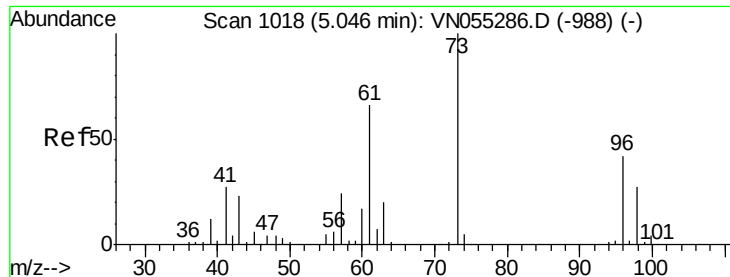
Tot Ion: 76 Resp: 144203
Ion Ratio Lower Upper
76 100
78 9.1 7.6 11.4



#18
Methyl Acetate
Concen: 31.569 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Tgt Ion: 43 Resp: 102451
Ion Ratio Lower Upper
43 100
74 19.6 15.8 23.8

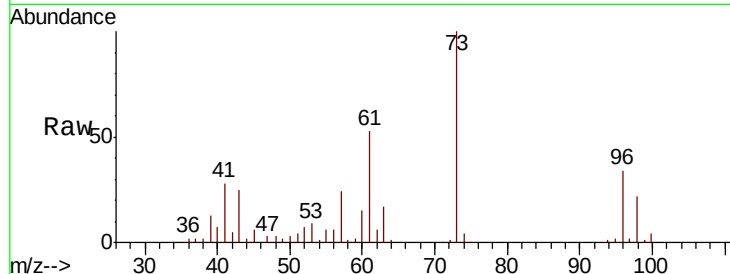




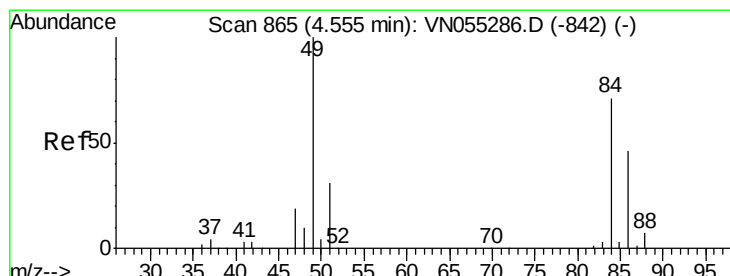
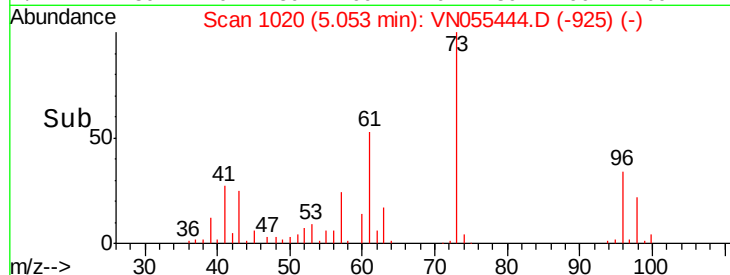
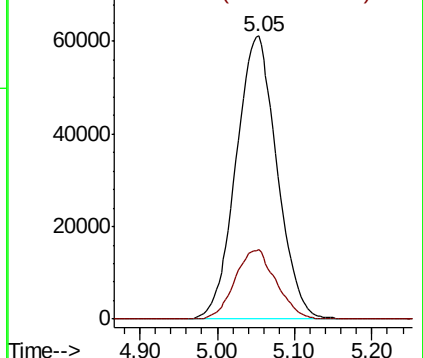
#19
Methyl tert-butyl Ether
Concen: 25.091 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01

Tot Ion: 73 Resp: 225005
Ion Ratio Lower Upper
73 100
57 24.5 19.1 28.7

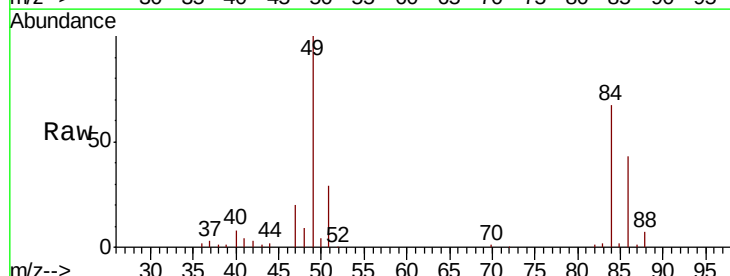


Abundance Ion 73.00 (72.70 to 73.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

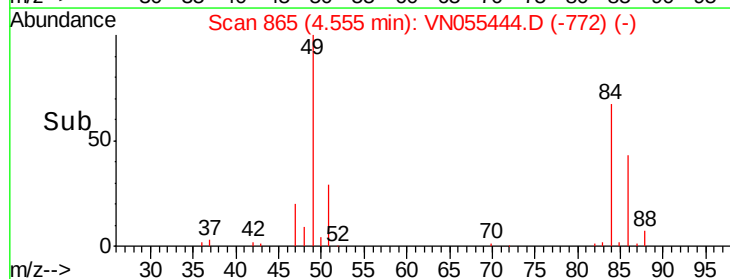
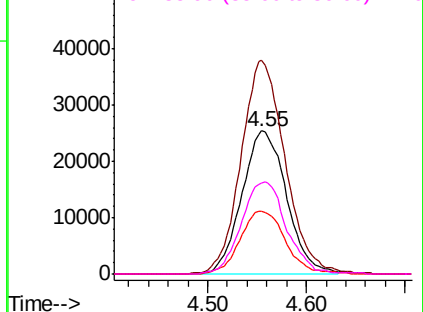


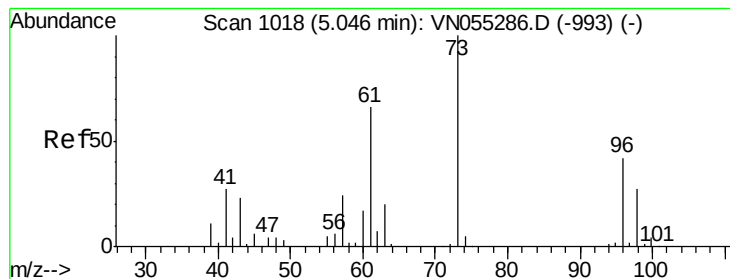
#20
Methylene Chloride
Concen: 19.833 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Tgt Ion: 84 Resp: 79684
Ion Ratio Lower Upper
84 100
49 149.5 112.4 168.6
51 43.8 34.6 51.8
86 63.7 51.9 77.9



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





#21

trans-1,2-Dichloroethene

Concen: 20.890 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

ClientSampled :

VN0507WBSD01

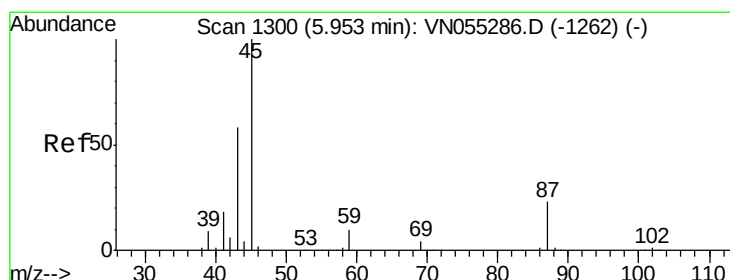
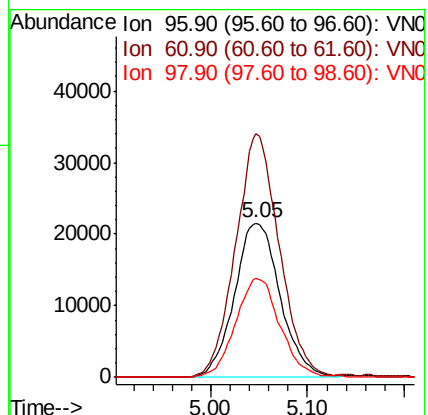
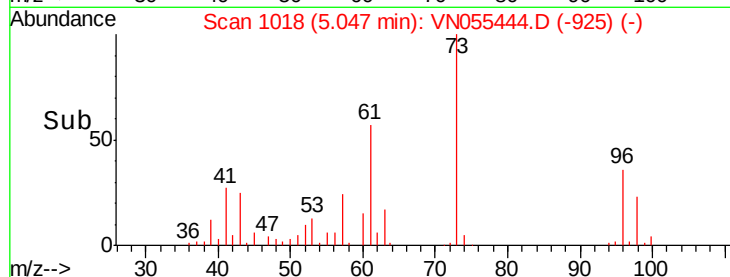
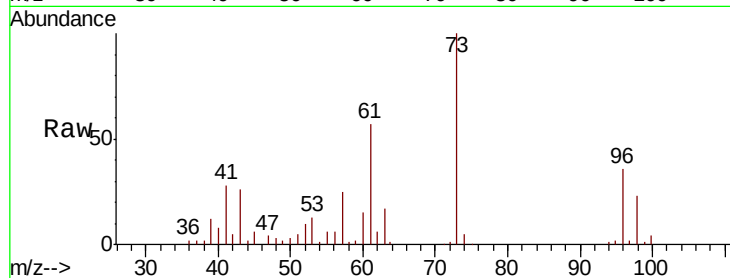
Tot Ion: 96 Resp: 70572

Ion Ratio Lower Upper

96 100

61 158.1 126.2 189.4

98 64.6 52.2 78.2



#22

Diisopropyl ether

Concen: 23.472 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Tgt Ion: 45 Resp: 308102

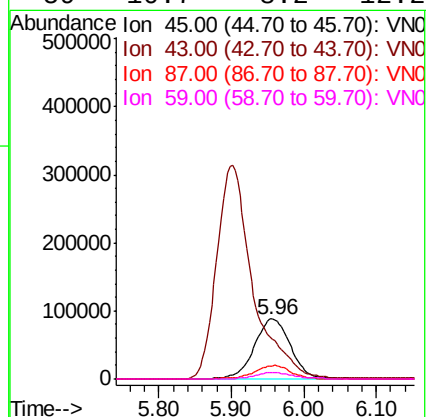
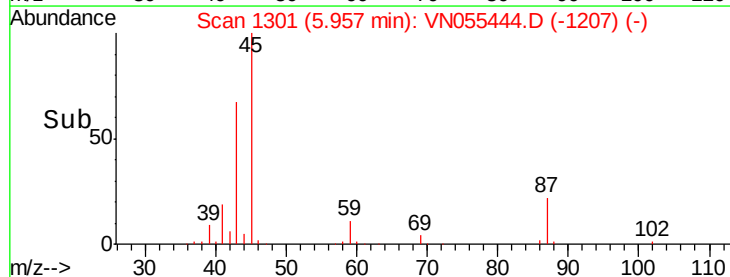
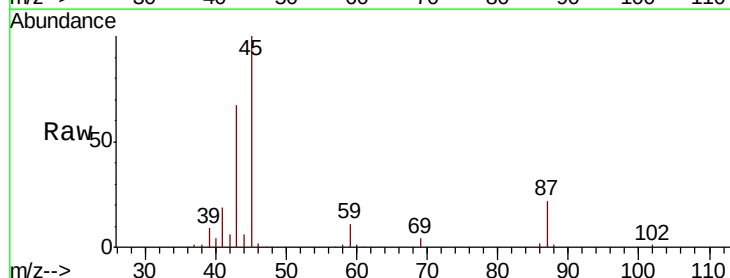
Ion Ratio Lower Upper

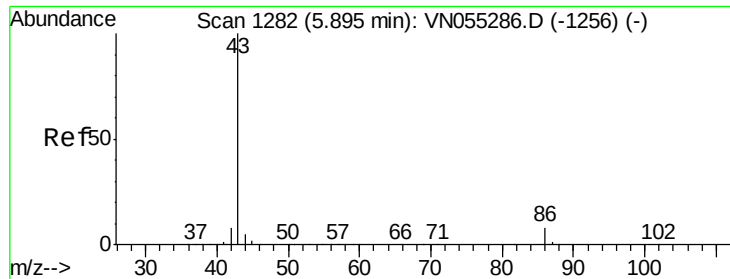
45 100

43 65.1 46.6 70.0

87 22.0 18.1 27.1

59 10.7 8.2 12.2





#23

Vinyl Acetate

Concen: 127.058 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

ClientSampleId :

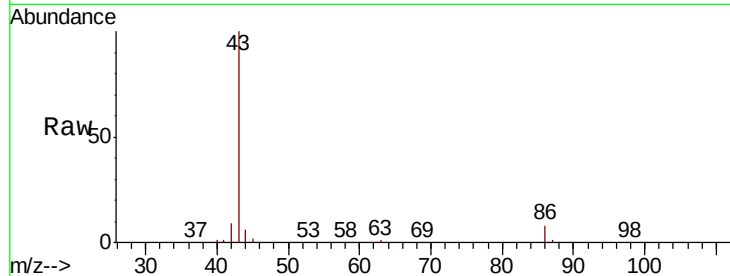
VN0507WBSD01

Tot Ion: 43 Resp: 1093099

Ion Ratio Lower Upper

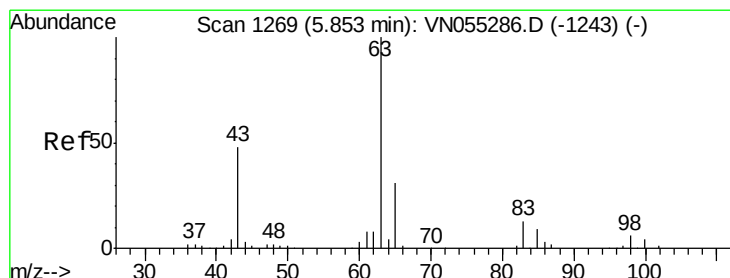
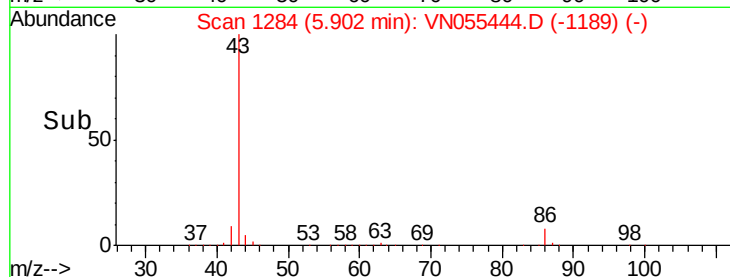
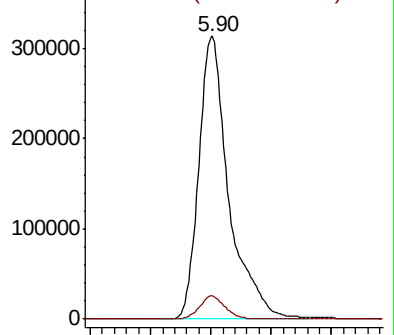
43 100

86 8.1 6.6 10.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 22.071 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

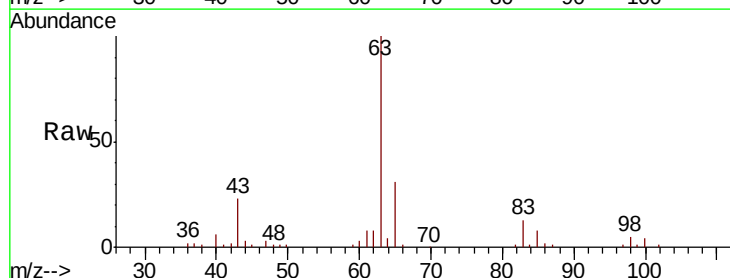
Tgt Ion: 63 Resp: 154366

Ion Ratio Lower Upper

63 100

98 5.4 3.0 9.0

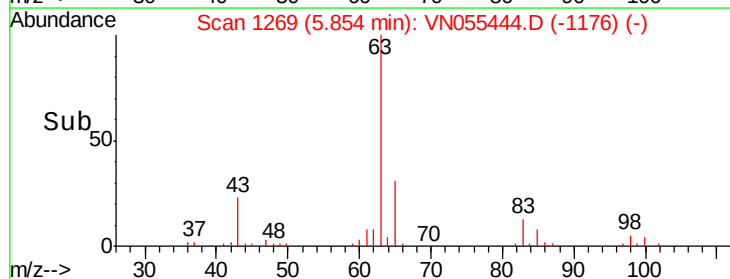
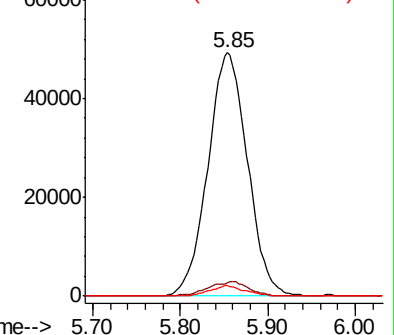
100 4.2 1.8 5.4

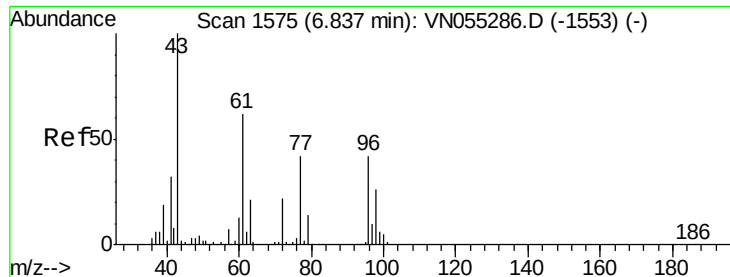


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 137.492 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

ClientSampleId :

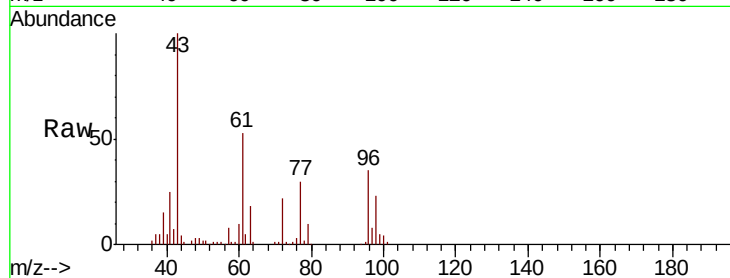
VN0507WBSD01

Tot Ion: 43 Resp: 231450

Ion Ratio Lower Upper

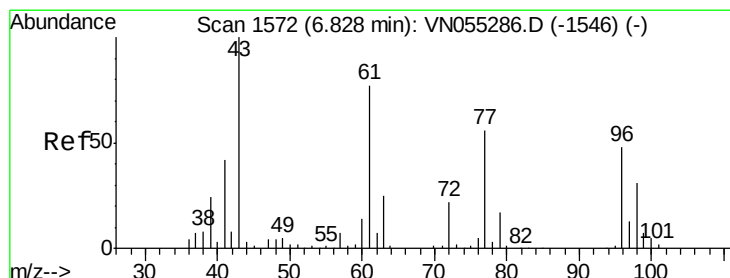
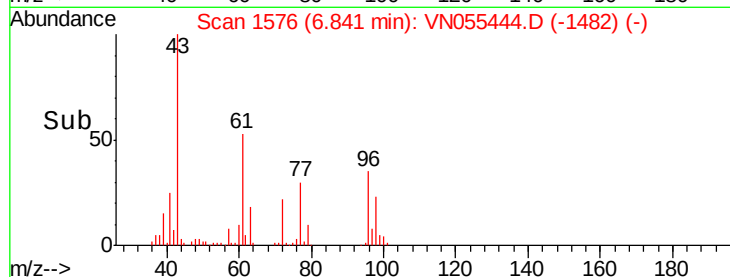
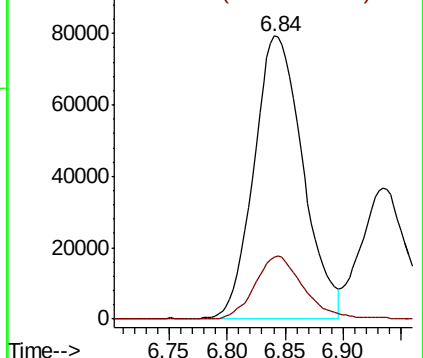
43 100

72 22.2 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 18.870 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055444.D

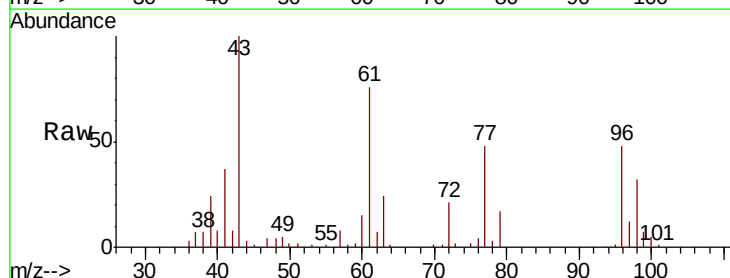
Acq: 7 May 2019 18:00

Tgt Ion: 77 Resp: 91133

Ion Ratio Lower Upper

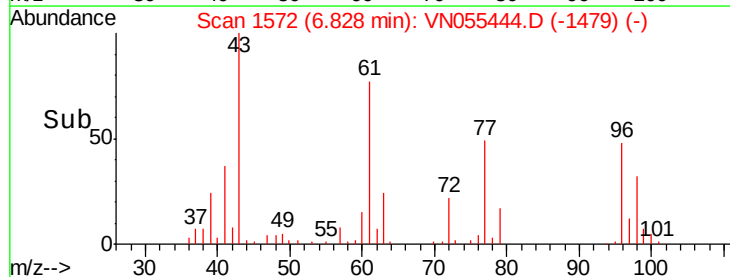
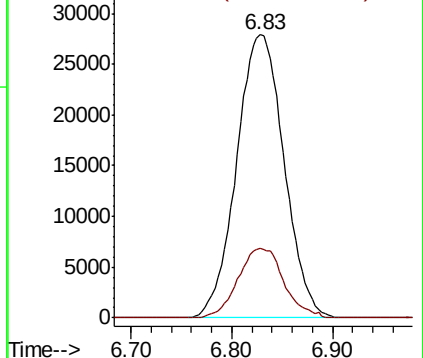
77 100

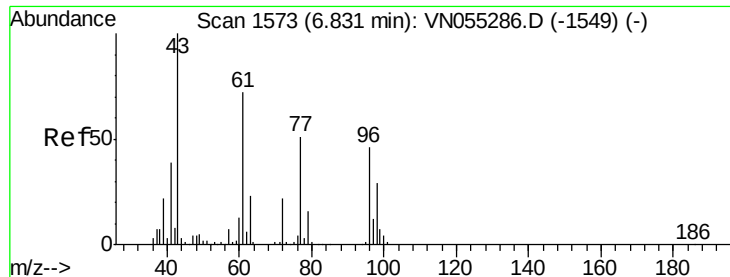
97 23.7 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

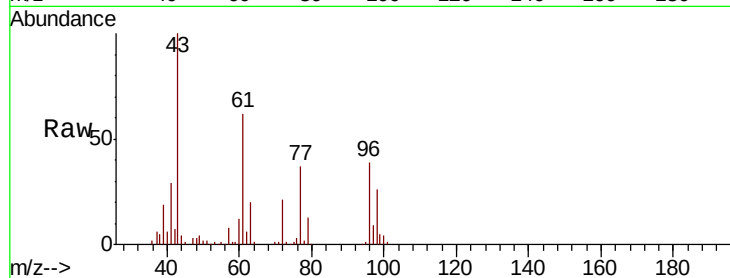




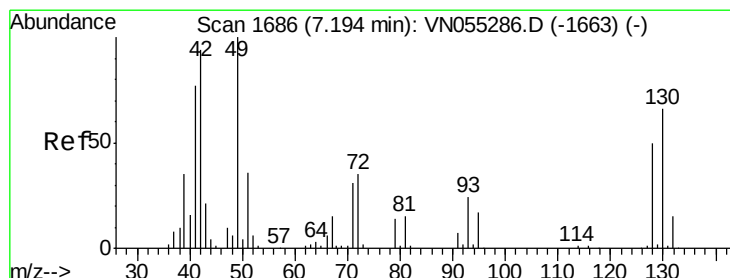
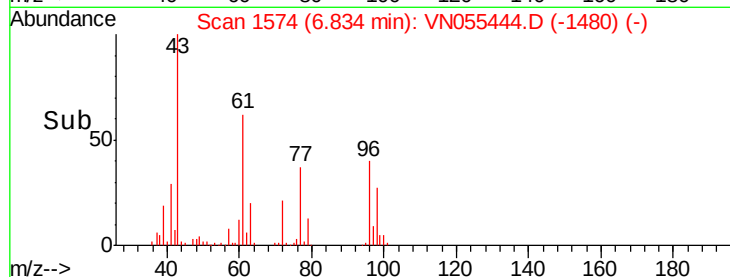
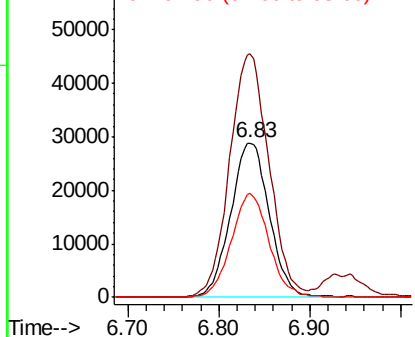
#27
 cis-1,2-Dichloroethene
 Concen: 22.128 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBSD01

Tot Ion: 96 Resp: 85010
 Ion Ratio Lower Upper
 96 100
 61 160.4 0.0 316.2
 98 65.8 0.0 126.6

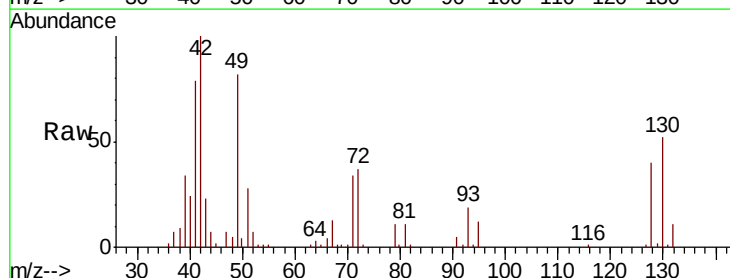


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

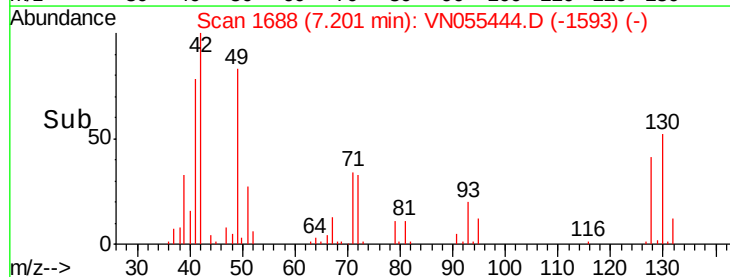
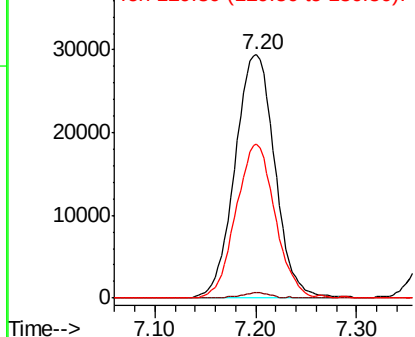


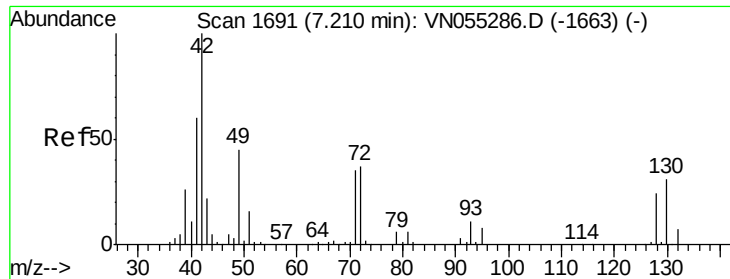
#28
 Bromochloromethane
 Concen: 22.857 ug/l
 RT: 7.20 min Scan# 1688
 Delta R.T. 0.01 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Tgt Ion: 49 Resp: 80580
 Ion Ratio Lower Upper
 49 100
 129 1.5 0.0 2.4
 130 61.9 52.0 78.0



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

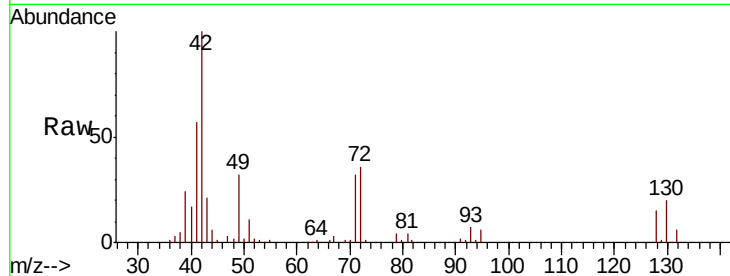




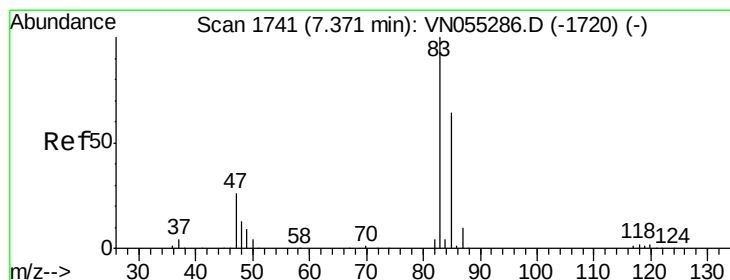
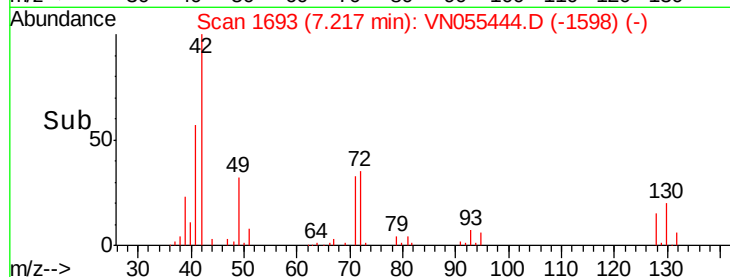
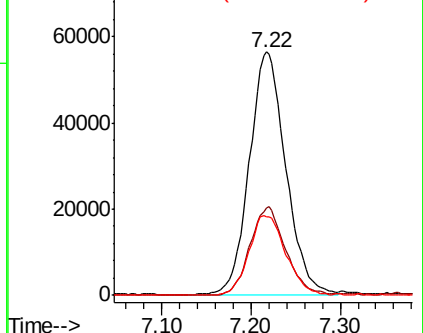
#29
Tetrahydrofuran
Concen: 148.724 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Instrument :
MSVOA_N
ClientSampled :
VN0507WBSD01

Tot Ion: 42 Resp: 160310
Ion Ratio Lower Upper
42 100
72 35.7 29.0 43.6
71 33.4 27.1 40.7

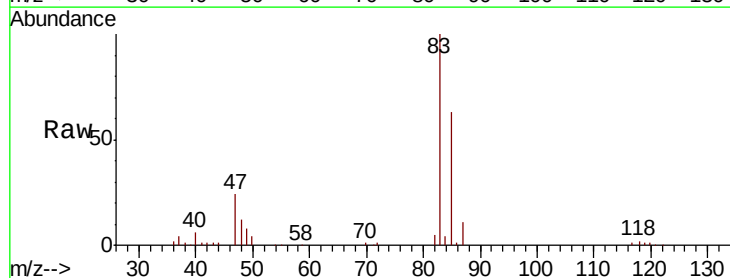


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

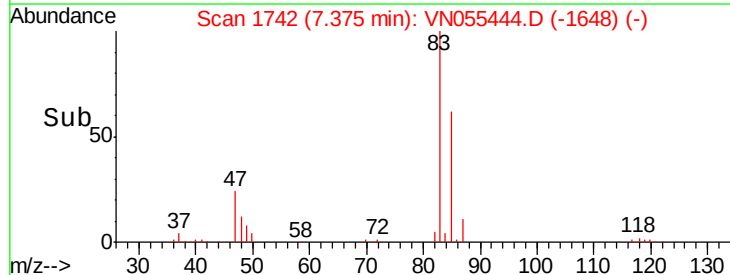
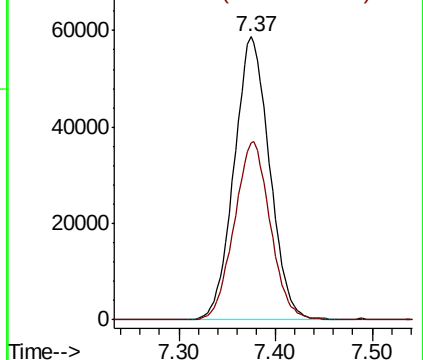


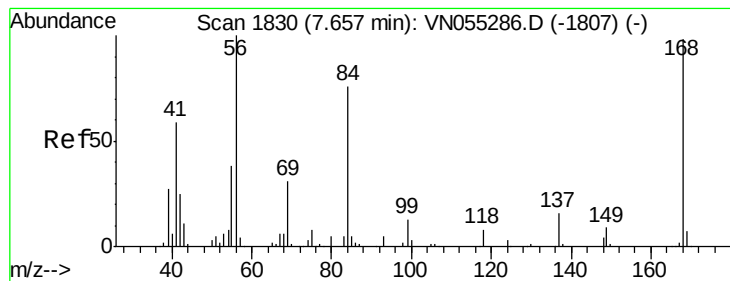
#30
Chloroform
Concen: 22.523 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Tgt Ion: 83 Resp: 149329
Ion Ratio Lower Upper
83 100
85 62.6 51.4 77.2



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





#31

Cyclohexane

Concen: 20.259 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBSD01

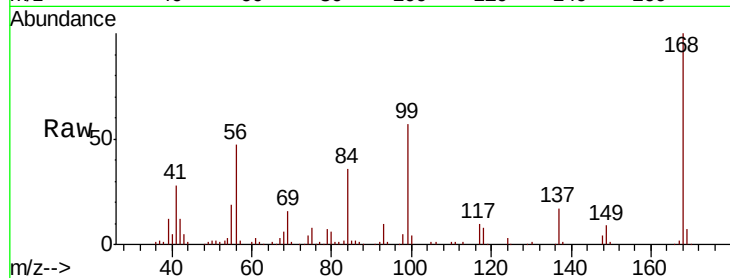
Tot Ion: 56 Resp: 134621

Ion Ratio Lower Upper

56 100

69 34.3 25.2 37.8

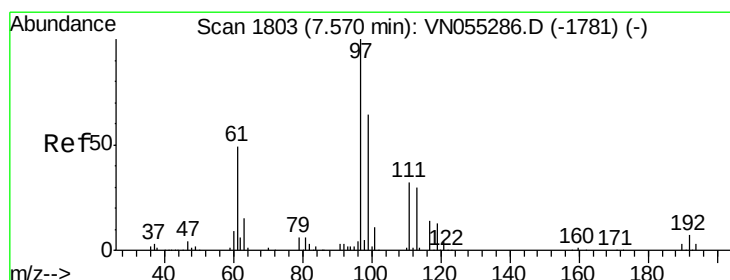
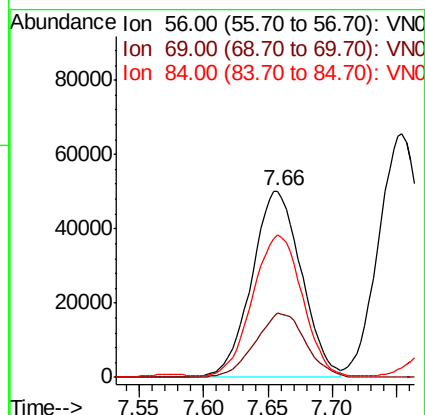
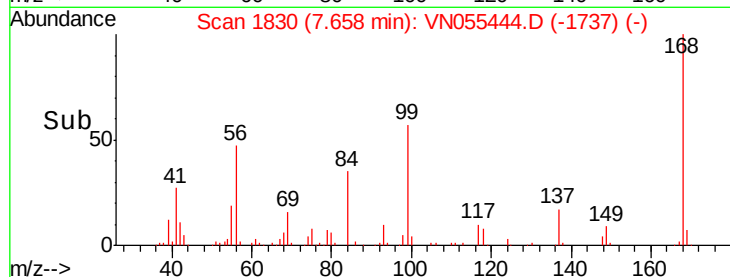
84 75.2 61.1 91.7



Abundance Ion 56.00 (55.70 to 56.70): VN055286.D (-1807) (-)

Ion 69.00 (68.70 to 69.70): VN055286.D (-1807) (-)

Ion 84.00 (83.70 to 84.70): VN055286.D (-1807) (-)



#32

1,1,1-Trichloroethane

Concen: 21.616 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

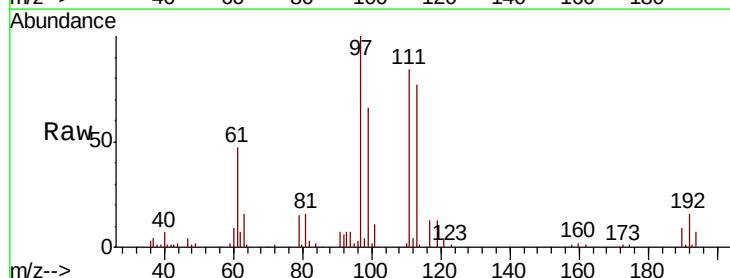
Tgt Ion: 97 Resp: 116310

Ion Ratio Lower Upper

97 100

99 64.1 51.8 77.8

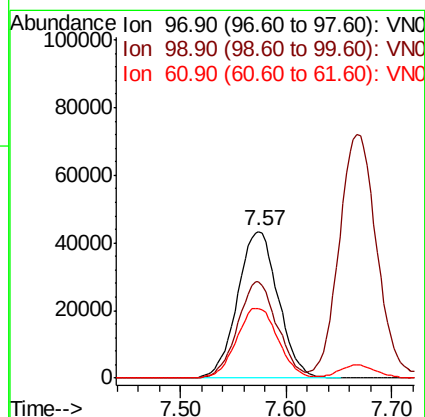
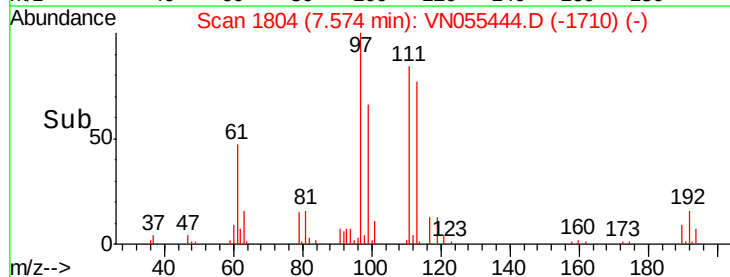
61 48.6 39.0 58.6

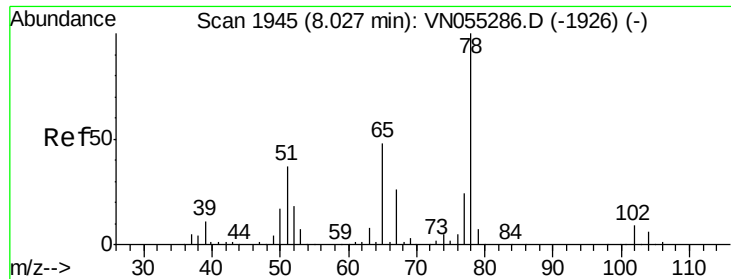


Abundance Ion 96.90 (96.60 to 97.60): VN055286.D (-1781) (-)

Ion 98.90 (98.60 to 99.60): VN055286.D (-1781) (-)

Ion 60.90 (60.60 to 61.60): VN055286.D (-1781) (-)

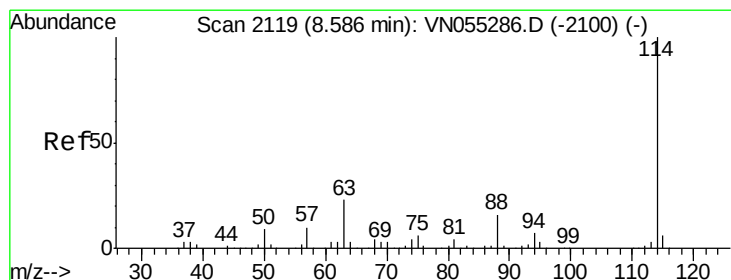
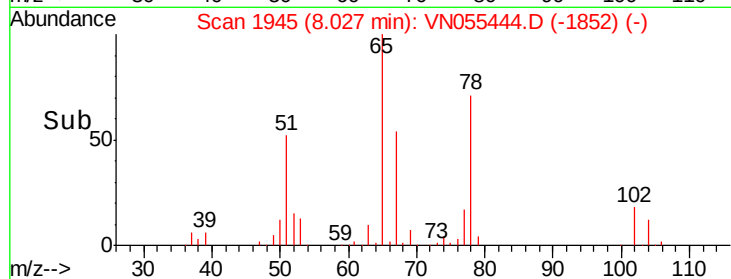
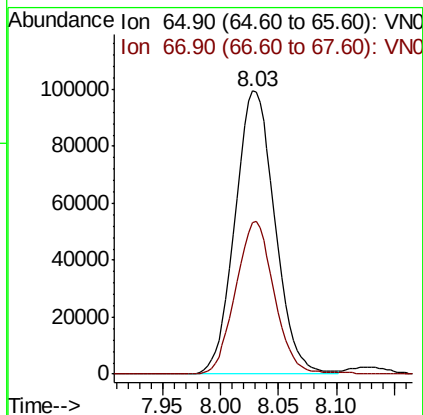
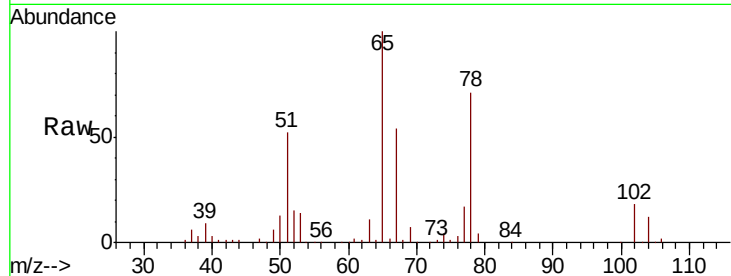




#33
 1,2-Dichloroethane-d4
 Concen: 56.317 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

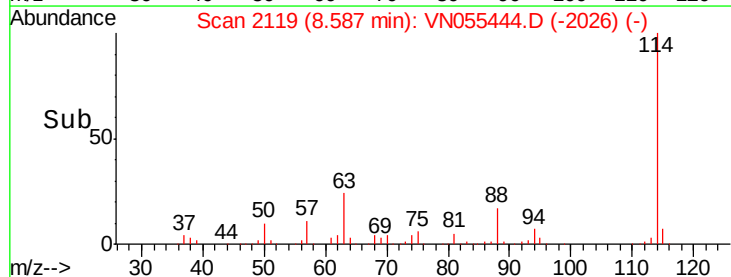
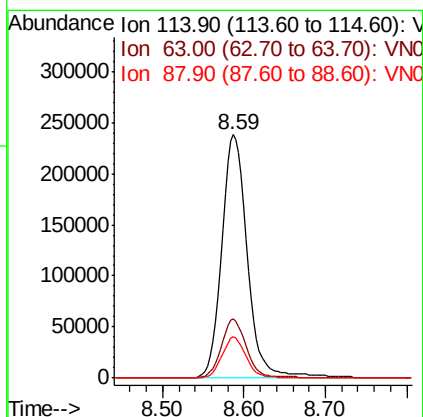
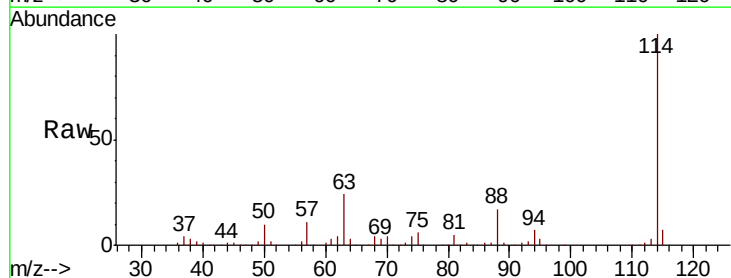
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBSD01

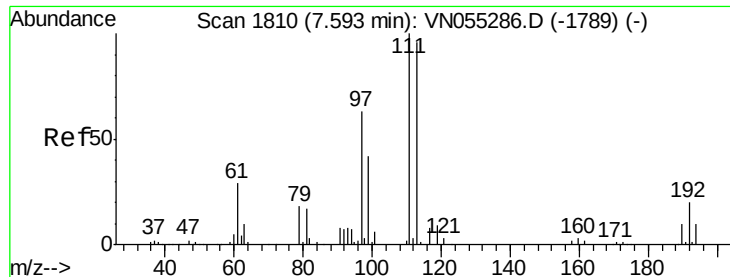
Tot Ion: 65 Resp: 237908
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Tgt Ion: 114 Resp: 530932
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 45.2
 88 17.1 0.0 31.6

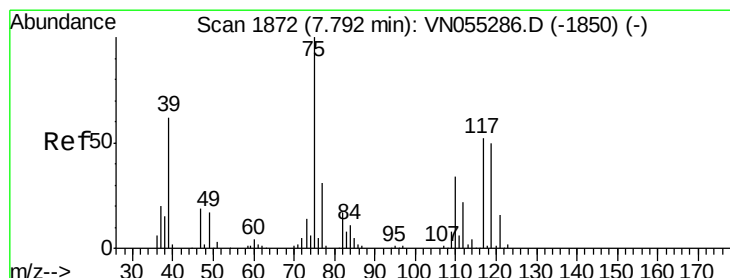
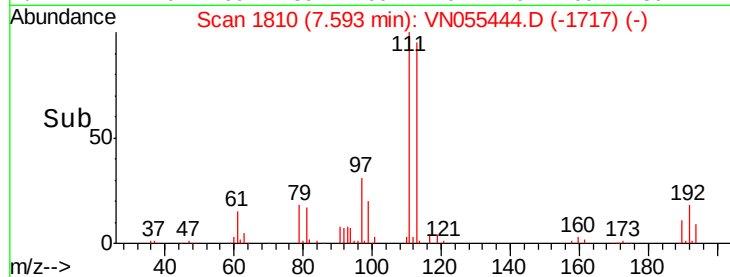
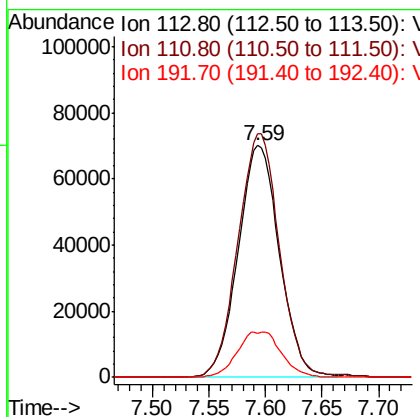
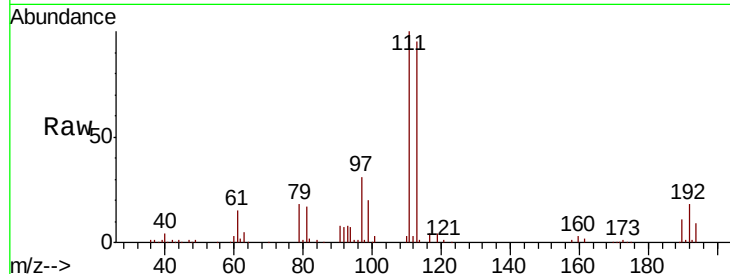




#35
 Dibromofluoromethane
 Concen: 51.131 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

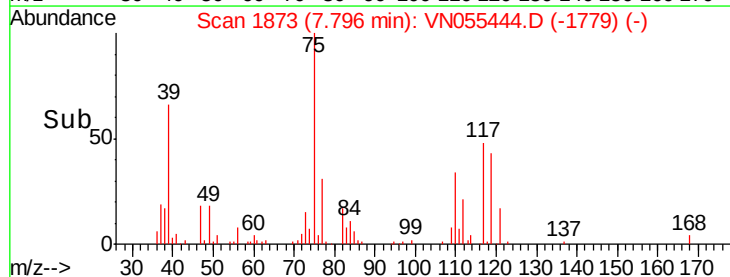
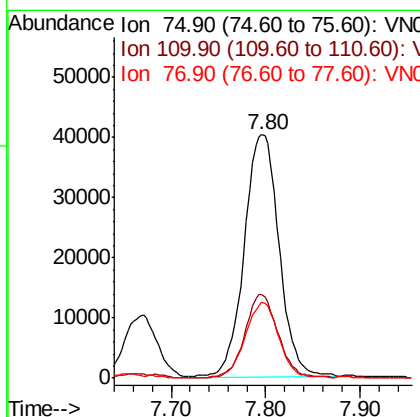
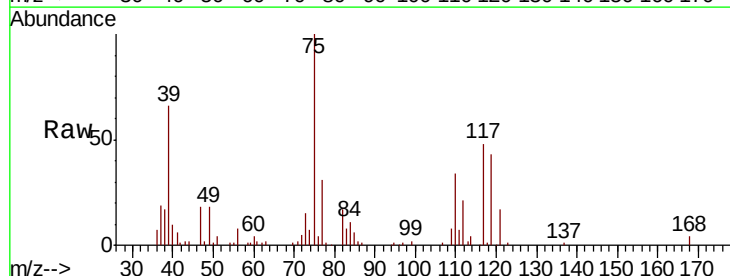
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBSD01

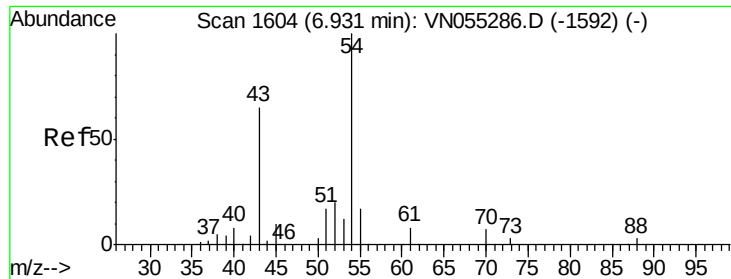
Tot Ion:113 Resp: 178186
 Ion Ratio Lower Upper
 113 100
 111 105.6 82.3 123.5
 192 10.6 17.0 25.6#



#36
 1,1-Dichloropropene
 Concen: 20.179 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Tgt Ion: 75 Resp: 102621
 Ion Ratio Lower Upper
 75 100
 110 33.1 16.8 50.4
 77 30.4 25.0 37.6

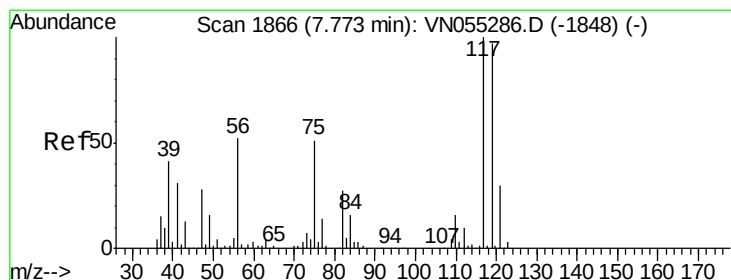
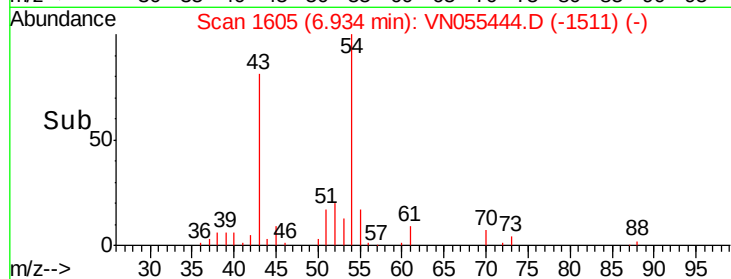
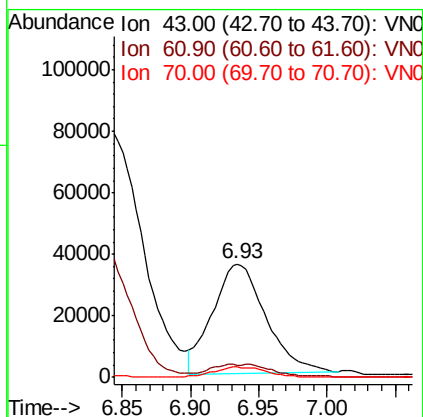
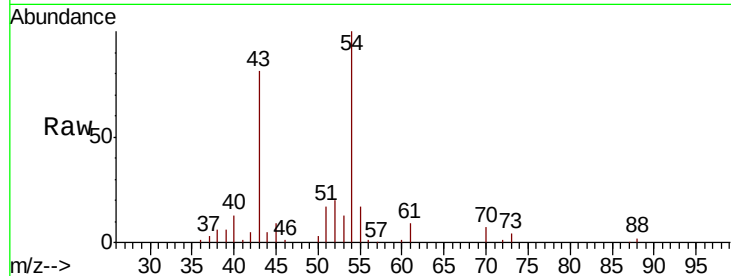




#37
Ethyl Acetate
Concen: 24.651 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

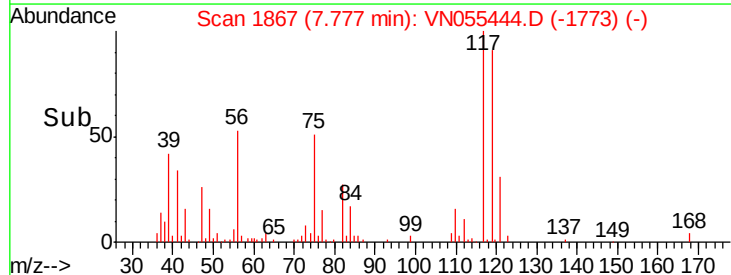
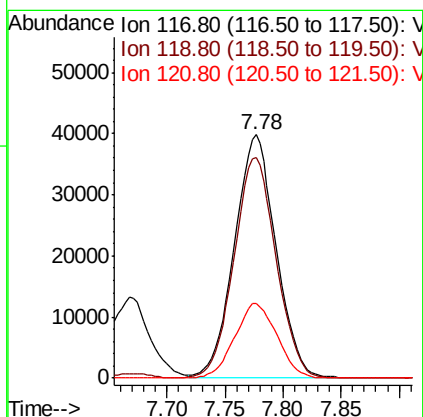
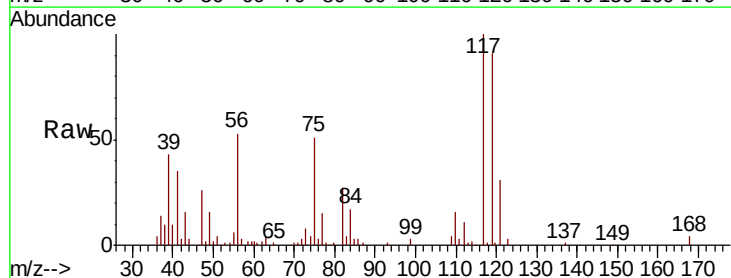
Instrument :
MSVOA_N
ClientSampled :
VN0507WBSD01

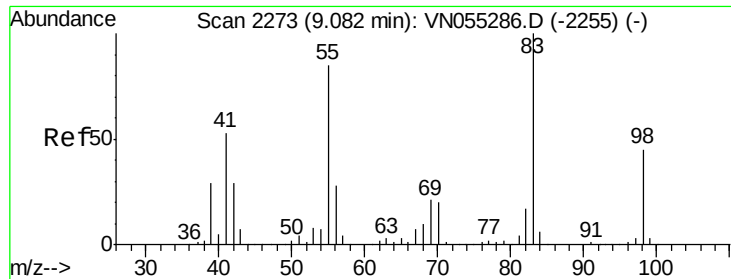
Tot Ion: 43 Resp: 96079
Ion Ratio Lower Upper
43 100
61 0.0 10.4 15.6#
70 9.6 6.6 10.0



#38
Carbon Tetrachloride
Concen: 20.276 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Tgt Ion: 117 Resp: 99466
Ion Ratio Lower Upper
117 100
119 90.5 77.0 115.6
121 30.8 23.8 35.8

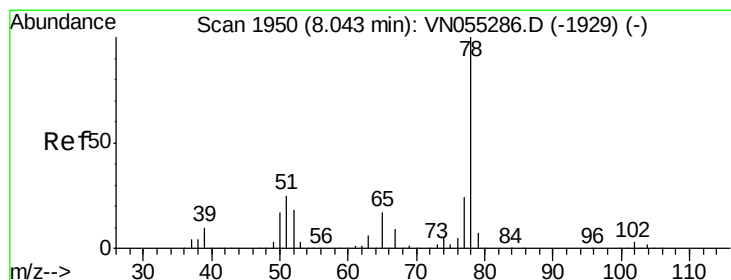
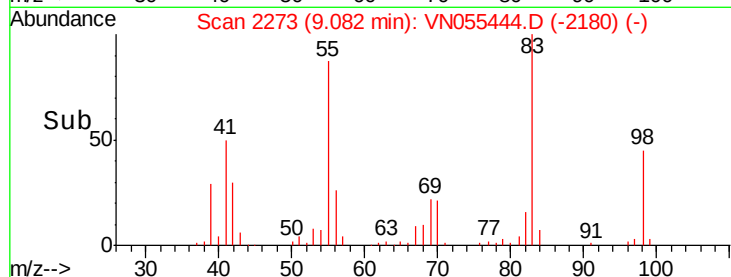
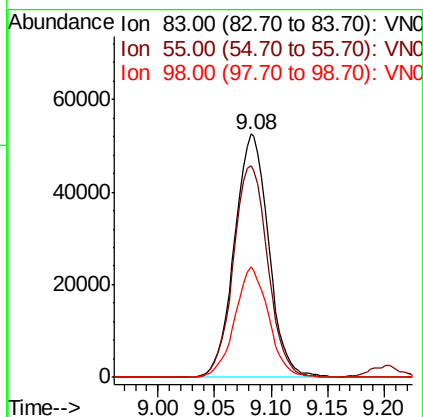
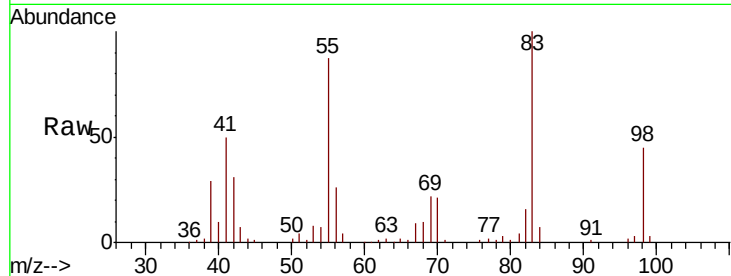




#39
Methylvlcyclohexane
Concen: 20.428 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

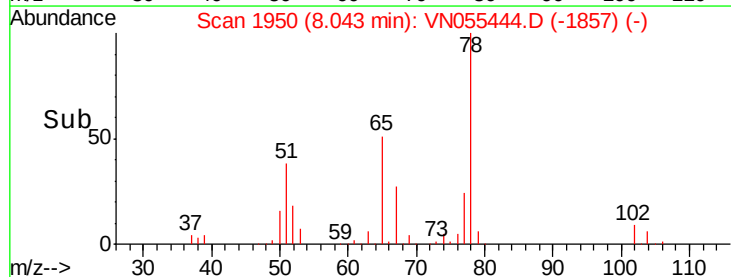
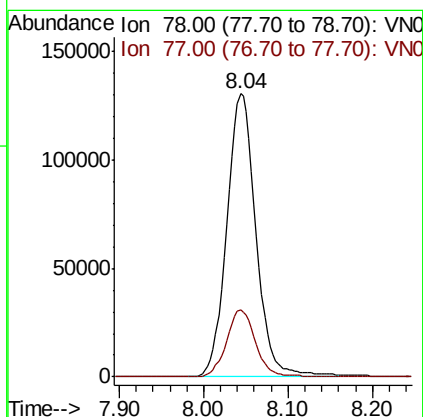
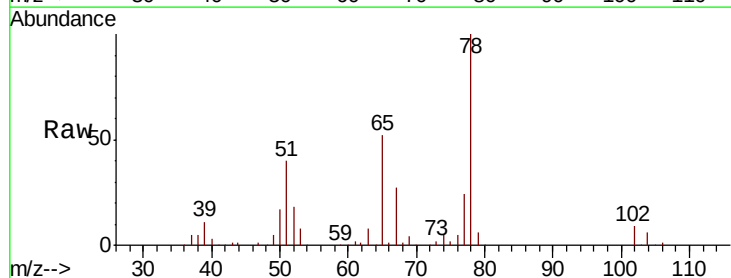
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01

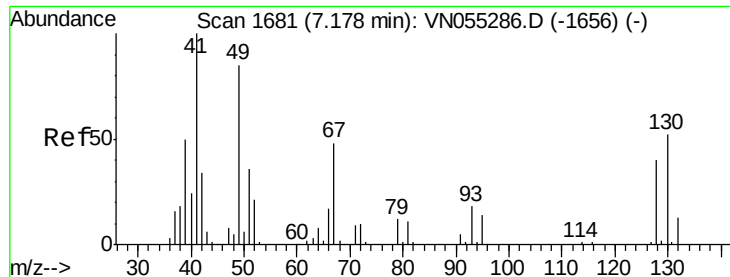
Tot Ion: 83 Resp: 110455
Ion Ratio Lower Upper
83 100
55 86.7 67.8 101.6
98 45.4 36.2 54.4



#40
Benzene
Concen: 20.953 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Tgt Ion: 78 Resp: 314122
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.6

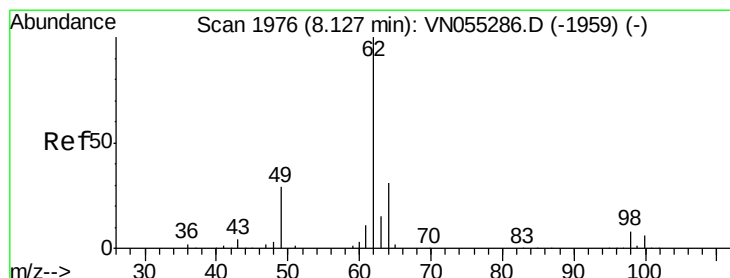
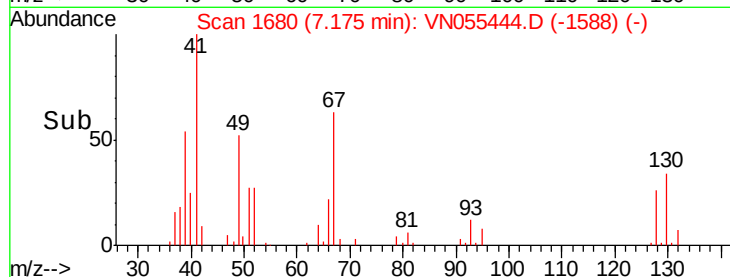
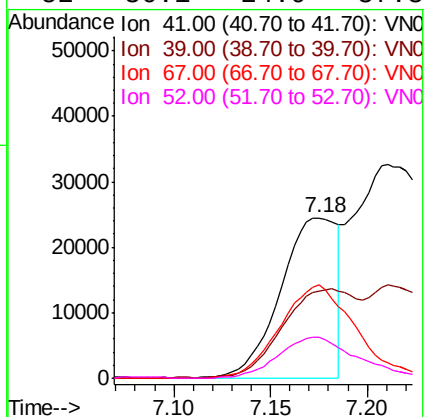
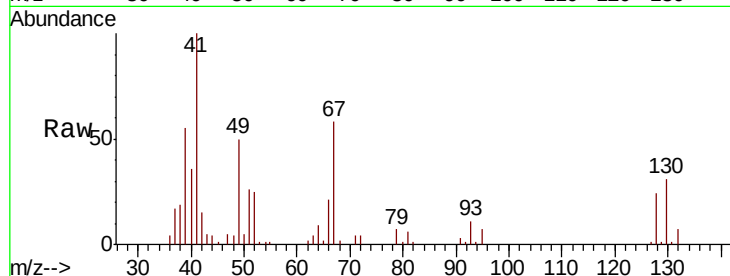




#41
Methacrylonitrile
Concen: 24.065 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

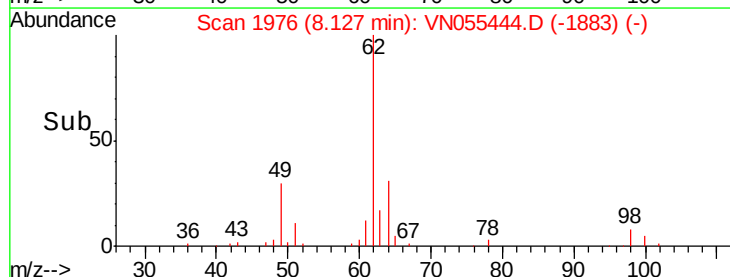
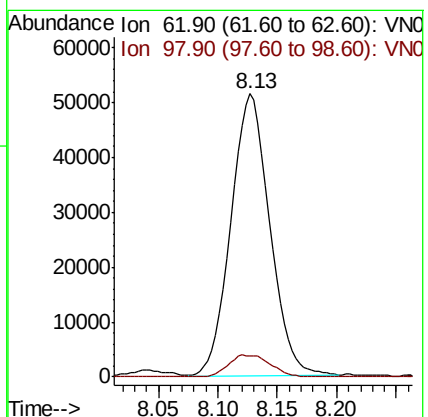
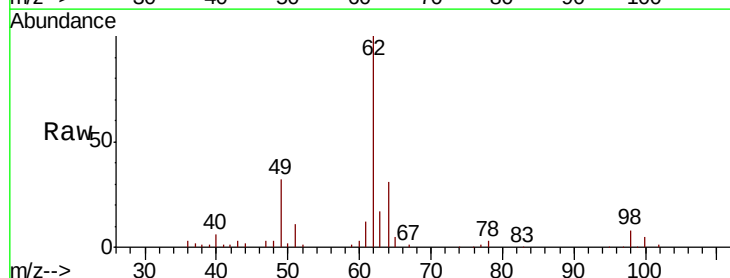
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01

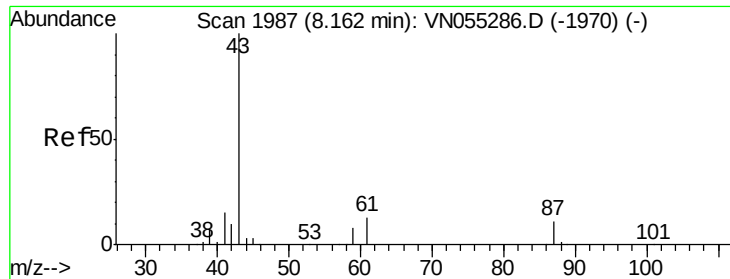
Tot Ion:	41	Resp:	49943
Ion	Ratio	Lower	Upper
41	100		
39	73.9	48.5	72.7#
67	79.0	54.9	82.3
52	36.1	24.9	37.3



#42
1,2-Dichloroethane
Concen: 21.945 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Tgt Ion:	62	Resp:	116525
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.4





#43

Isopropyl Acetate

Concen: 27.496 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

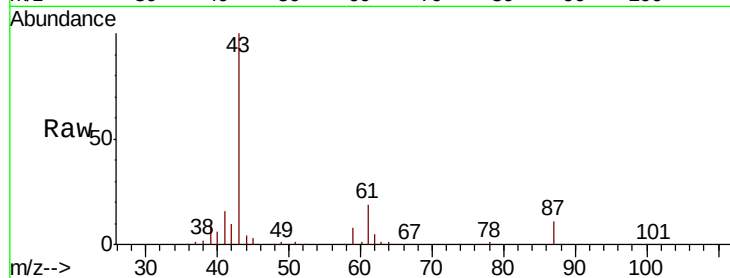
MSVOA_N

ClientSampleId :

VN0507WBSD01

Tot Ion: 43 Resp: 172224

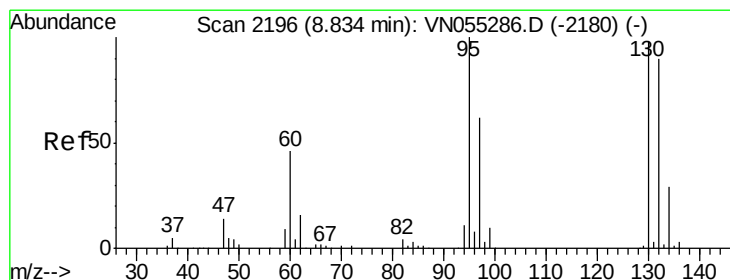
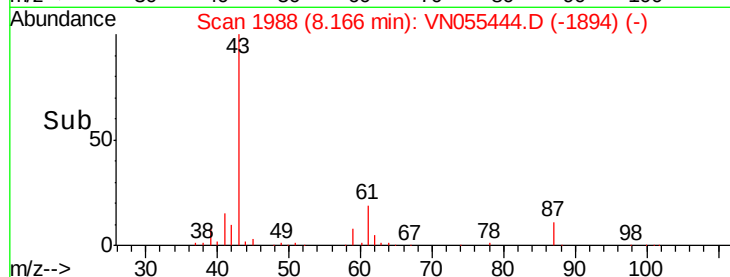
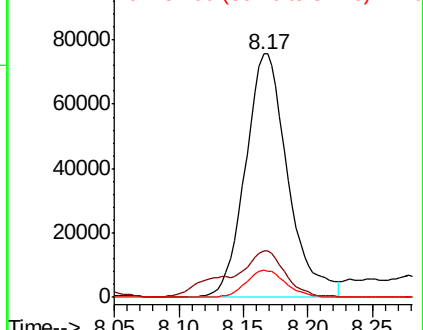
Ion	Ratio	Lower	Upper
43	100		
61	17.1	20.8	31.2#
87	10.6	8.5	12.7



Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055286.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055286.D (-1970) (-)



#44

Trichloroethene

Concen: 20.216 ug/l

RT: 8.84 min Scan# 2197

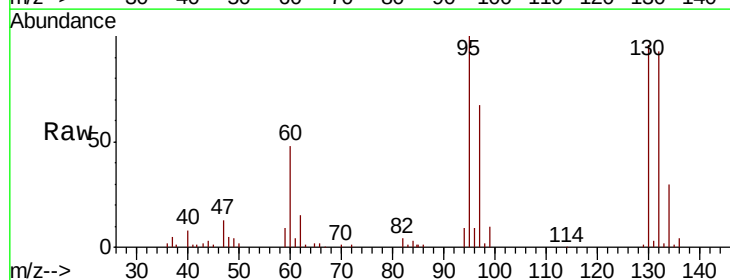
Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

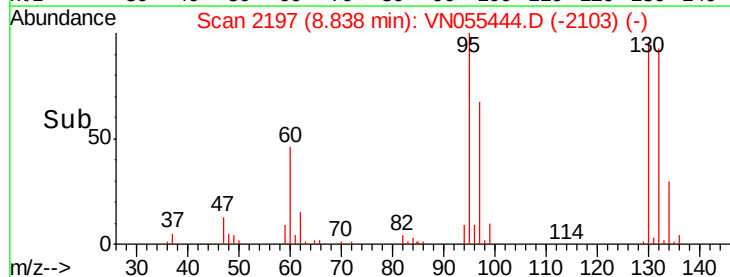
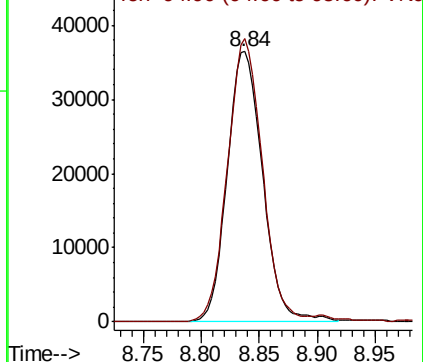
Tgt Ion:130 Resp: 77261

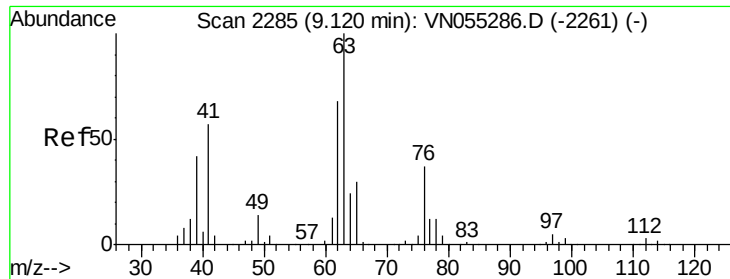
Ion	Ratio	Lower	Upper
130	100		
95	104.6	0.0	203.4



Abundance Ion 129.80 (129.50 to 130.50): VN055286.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055286.D (-2180) (-)

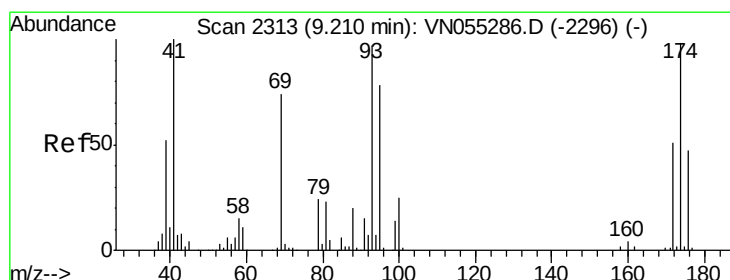
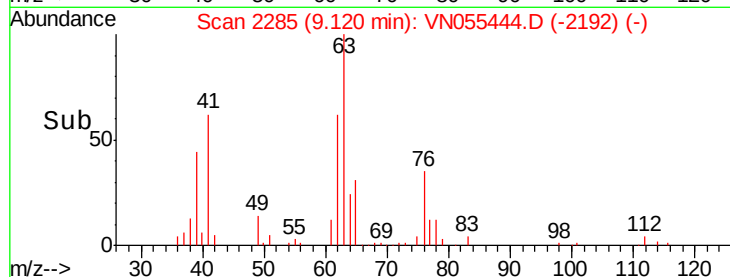
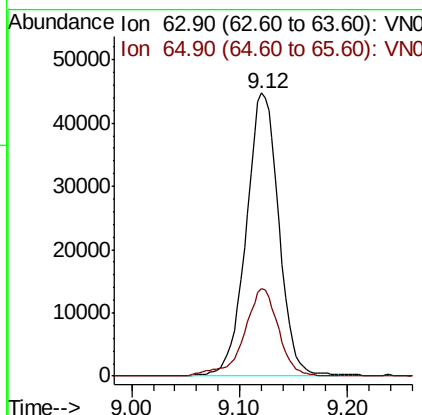
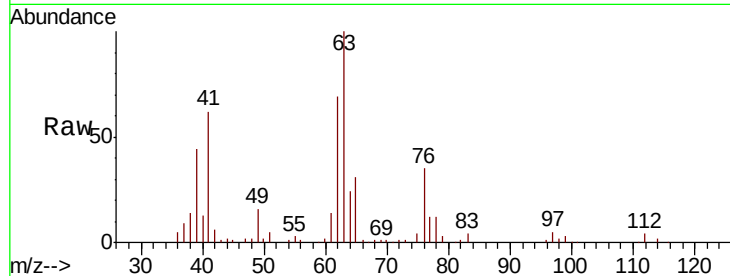




#45
 1,2-Dichloropropane
 Concen: 21.665 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

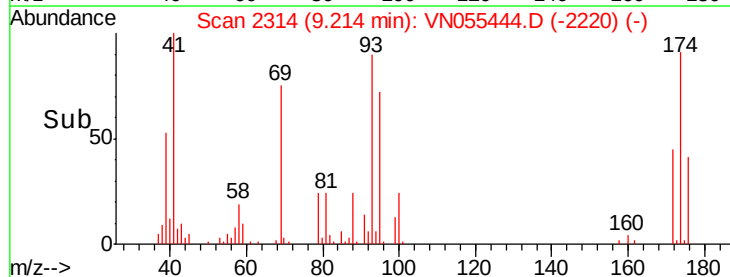
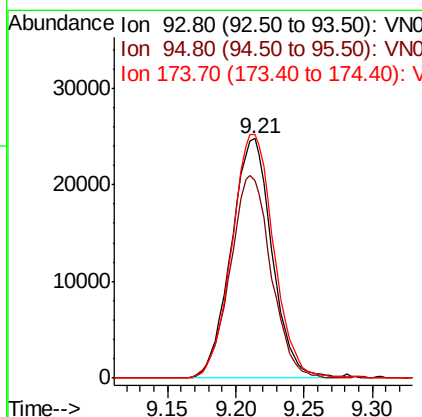
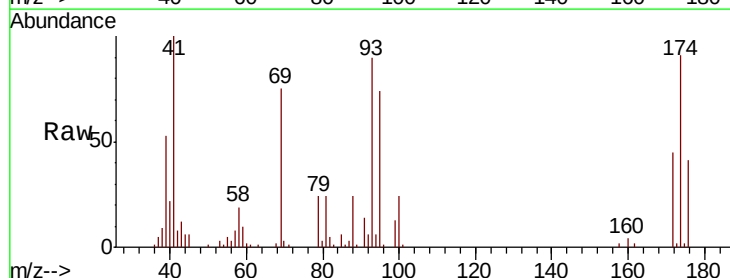
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBSD01

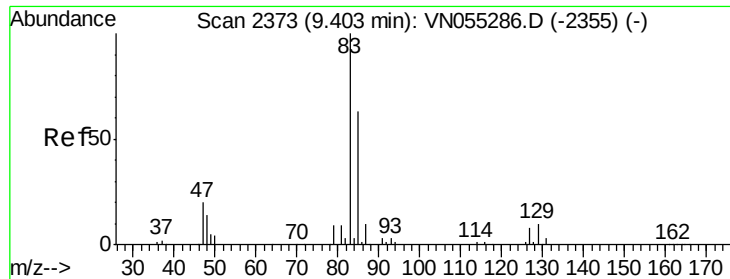
Tot Ion: 63 Resp: 93675
 Ion Ratio Lower Upper
 63 100
 65 31.2 23.9 35.9



#46
 Dibromomethane
 Concen: 21.798 ug/l
 RT: 9.21 min Scan# 2314
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Tgt Ion: 93 Resp: 51519
 Ion Ratio Lower Upper
 93 100
 95 84.5 65.7 98.5
 174 104.2 81.5 122.3





#47

Bromodichloromethane

Concen: 21.771 ug/l

RT: 9.41 min Scan# 2374

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBSD01

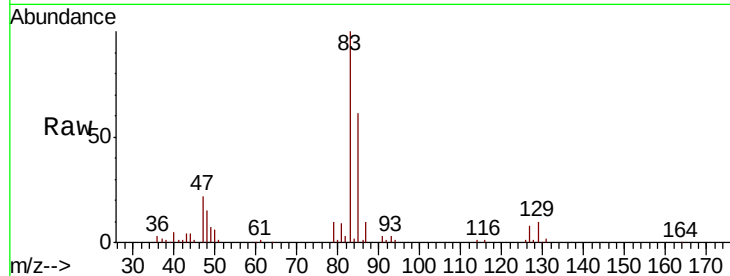
Tot Ion: 83 Resp: 110385

Ion Ratio Lower Upper

83 100

85 60.7 50.1 75.1

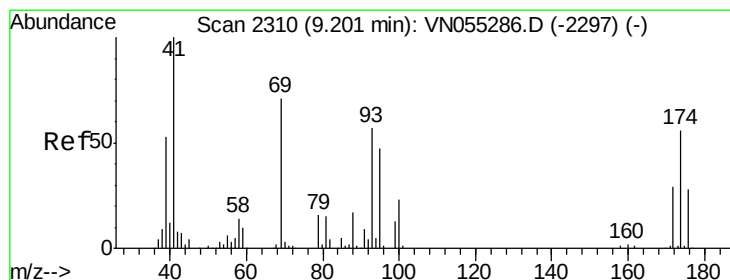
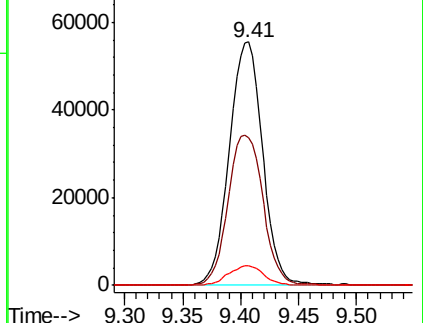
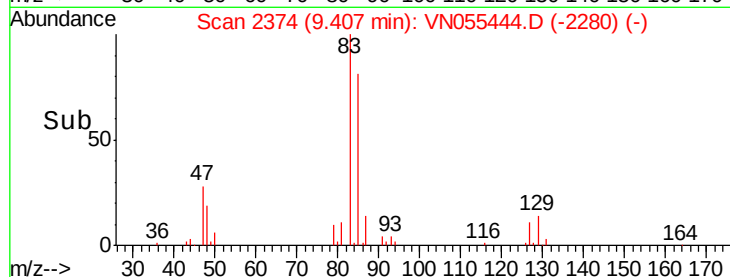
127 8.0 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 26.520 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

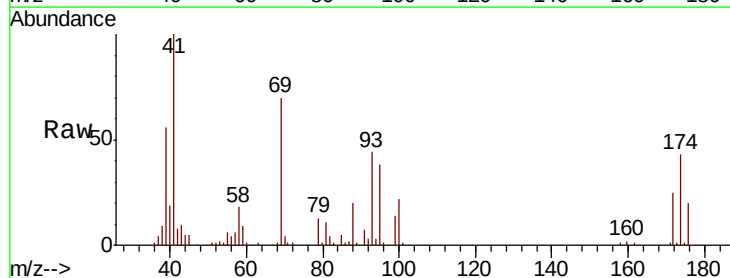
Tgt Ion: 41 Resp: 81663

Ion Ratio Lower Upper

41 100

69 73.3 58.6 87.8

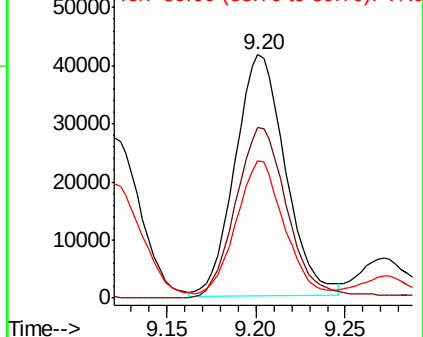
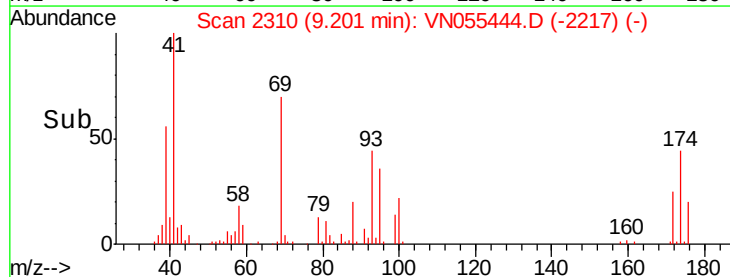
39 54.2 43.8 65.6

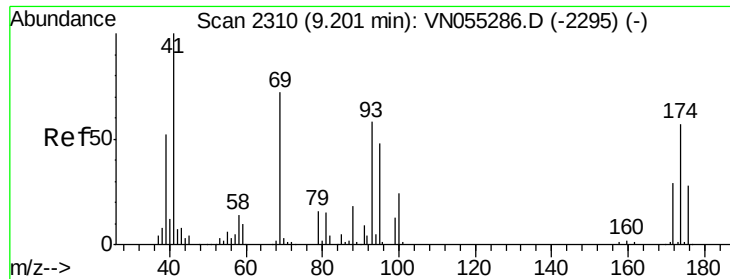


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 588.950 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBSD01

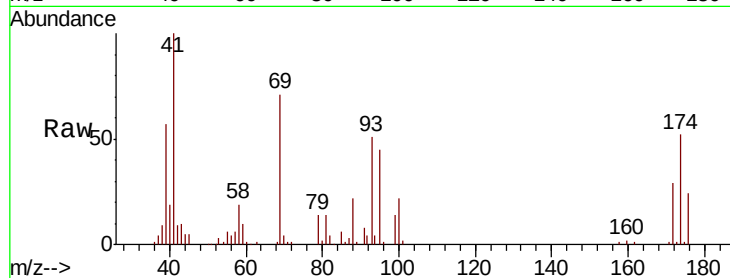
Tot Ion: 88 Resp: 18747

Ion Ratio Lower Upper

88 100

43 42.2 33.3 49.9

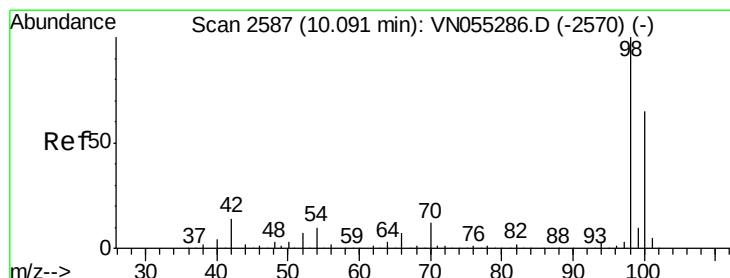
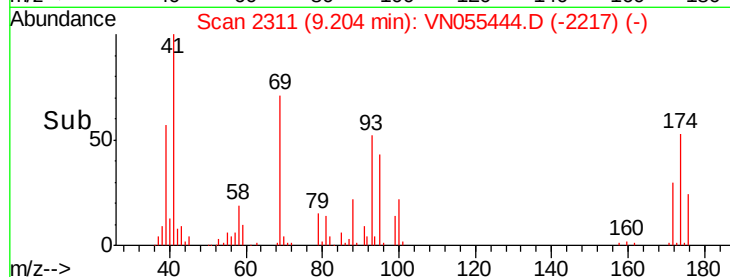
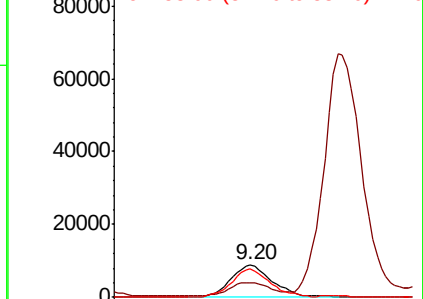
58 82.1 62.7 94.1



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: 50.444 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055444.D

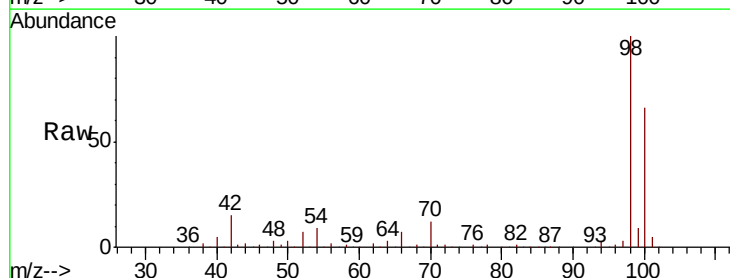
Acq: 7 May 2019 18:00

Tgt Ion: 98 Resp: 634757

Ion Ratio Lower Upper

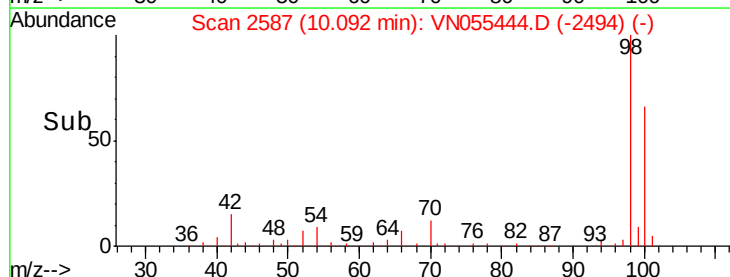
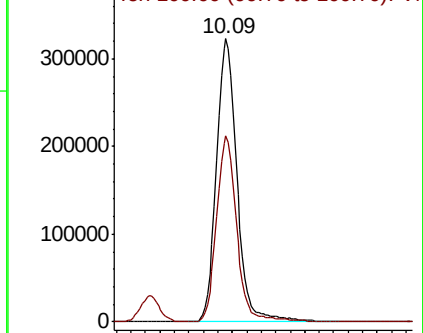
98 100

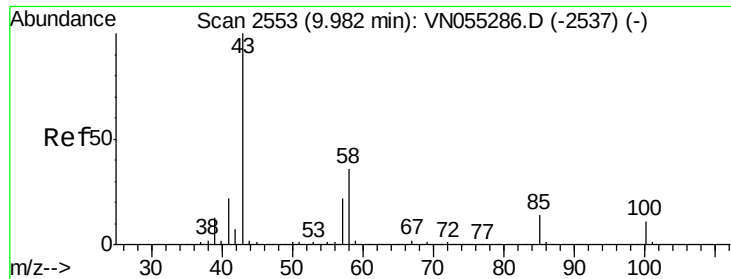
100 64.9 51.7 77.5



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: 142.310 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

ClientSampleId :

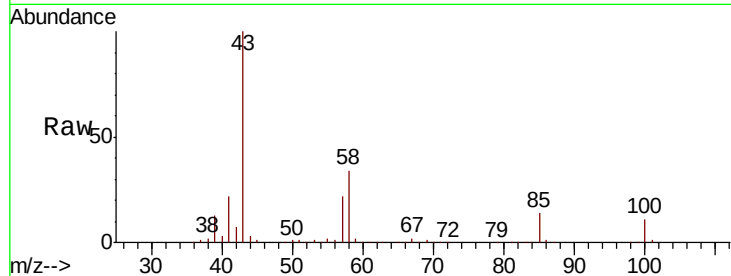
VN0507WBSD01

Tot Ion: 43 Resp: 501866

Ion Ratio Lower Upper

43 100

58 35.0 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN055286.D (-2537) (-)

9.99

250000

200000

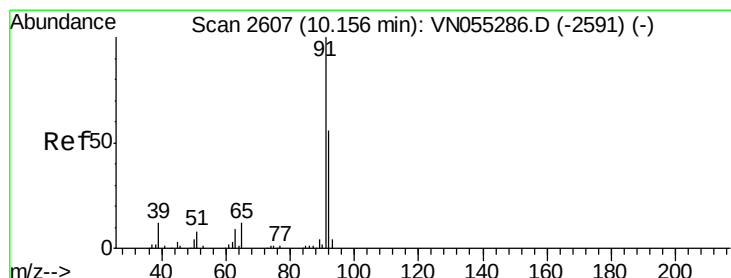
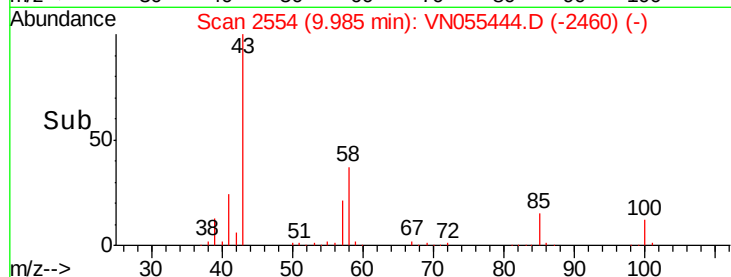
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.151 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055444.D

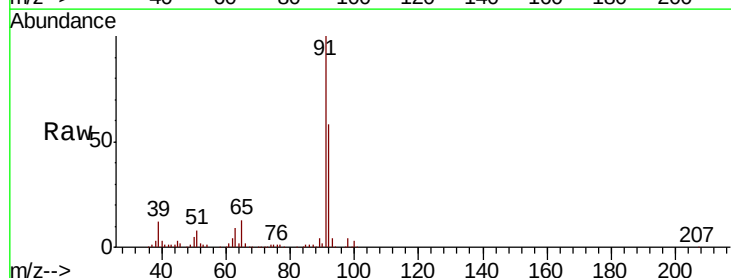
Acq: 7 May 2019 18:00

Tgt Ion: 92 Resp: 181935

Ion Ratio Lower Upper

92 100

91 175.9 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN055286.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN055286.D (-2591) (-)

10.16

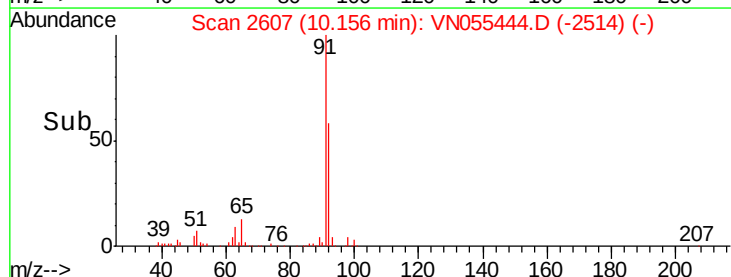
150000

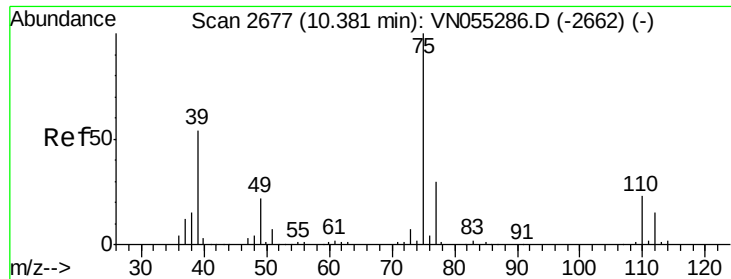
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 23.044 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

ClientSampleId :

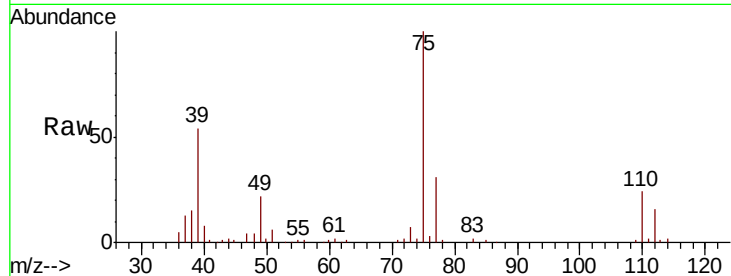
VN0507WBSD01

Tot Ion: 75 Resp: 101428

Ion Ratio Lower Upper

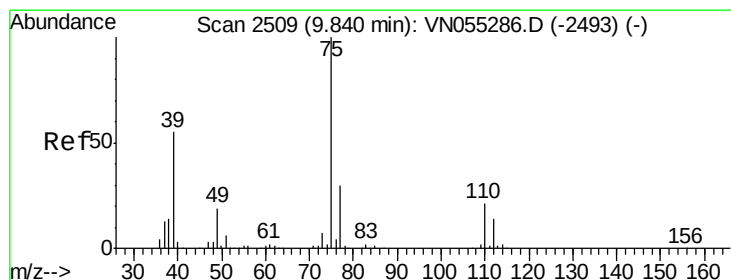
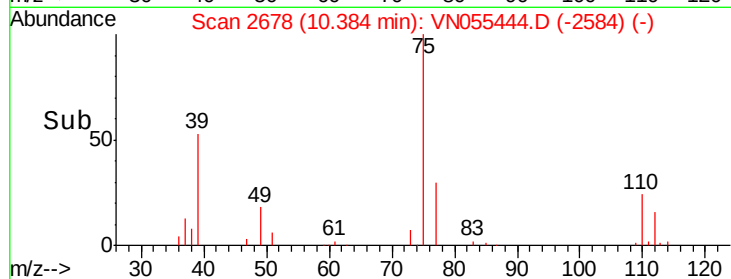
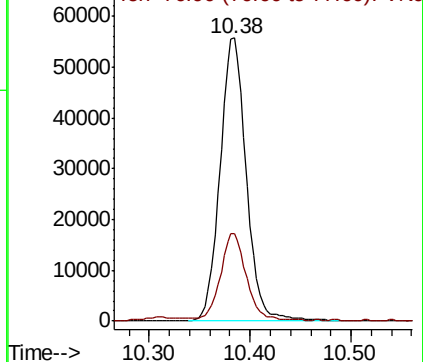
75 100

77 30.5 24.4 36.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 21.654 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

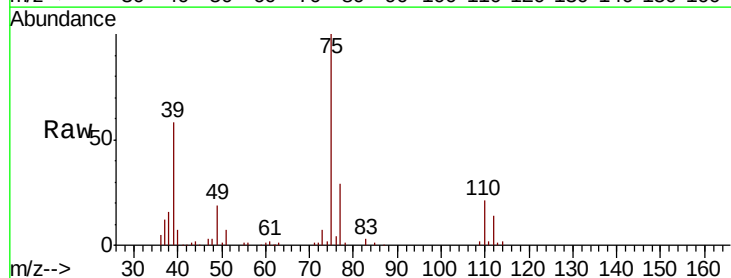
Tgt Ion: 75 Resp: 118836

Ion Ratio Lower Upper

75 100

77 29.4 24.2 36.2

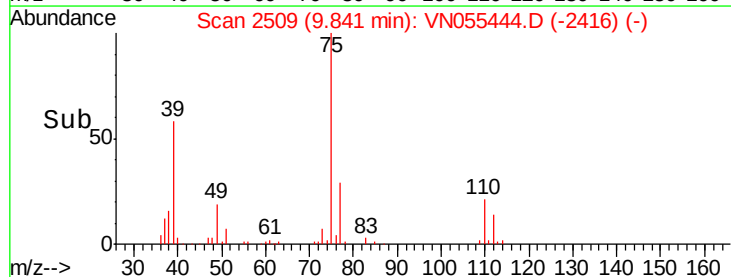
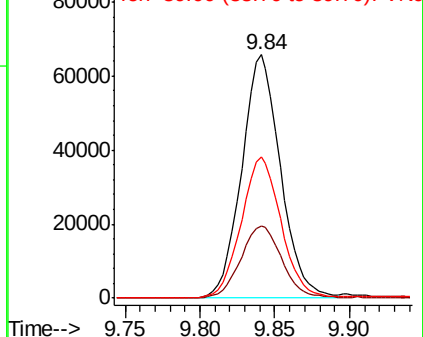
39 57.5 44.2 66.2

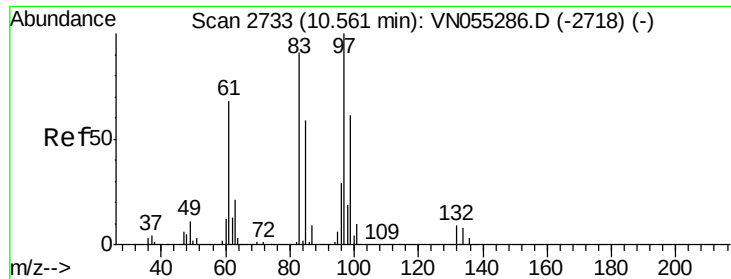


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

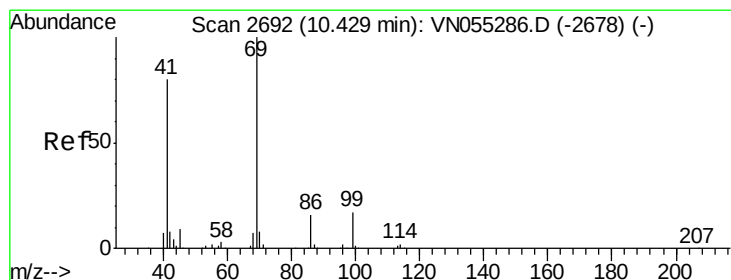
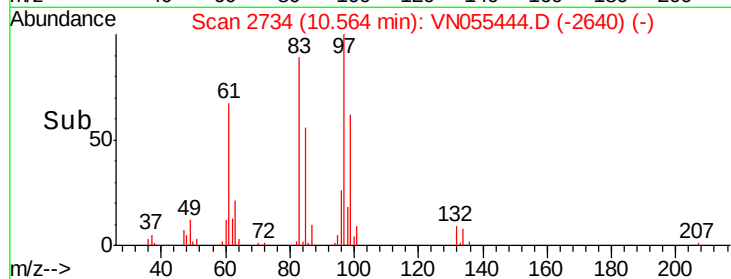
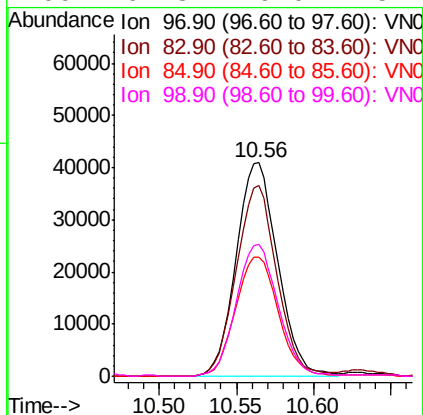
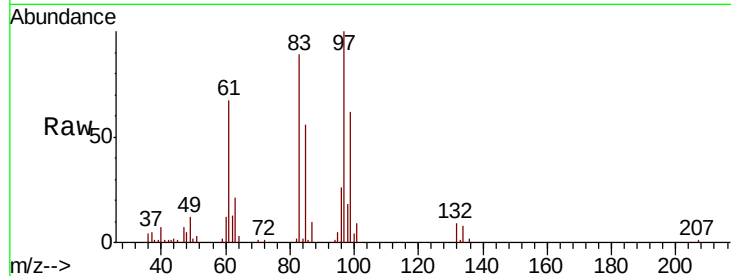




#55
 1,1,2-Trichloroethane
 Concen: 23.933 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

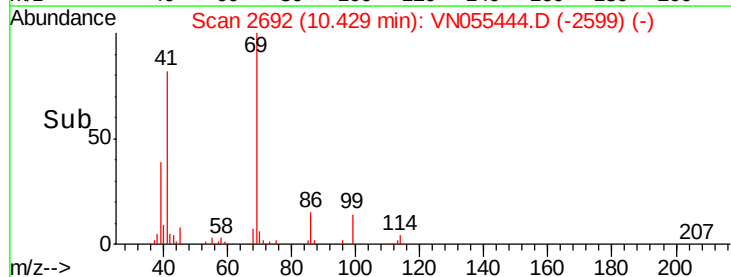
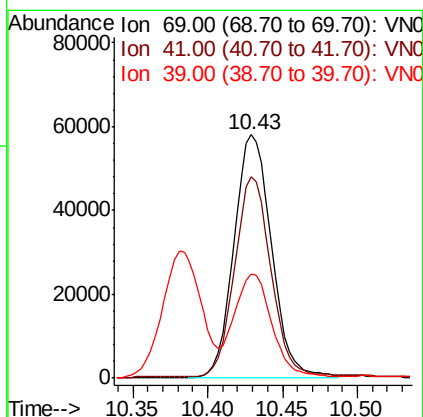
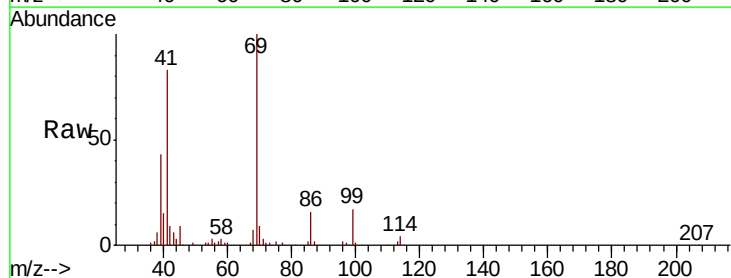
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBSD01

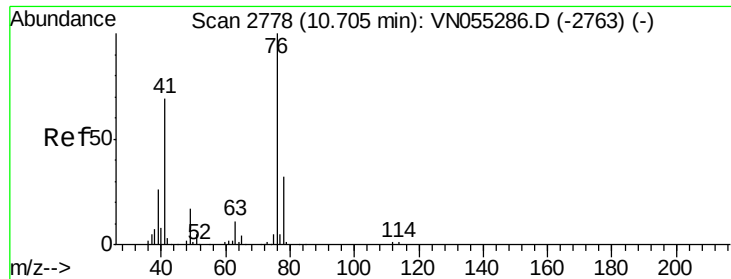
Tot Ion: 97 Resp: 76446
 Ion Ratio Lower Upper
 97 100
 83 89.3 72.8 109.2
 85 56.0 47.0 70.6
 99 61.8 49.0 73.4



#56
 Ethyl methacrylate
 Concen: 25.942 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Tgt Ion: 69 Resp: 101992
 Ion Ratio Lower Upper
 69 100
 41 79.8 62.7 94.1
 39 42.4 32.0 48.0





#57

1,3-Dichloropropane

Concen: 23.045 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

ClientSampleId :

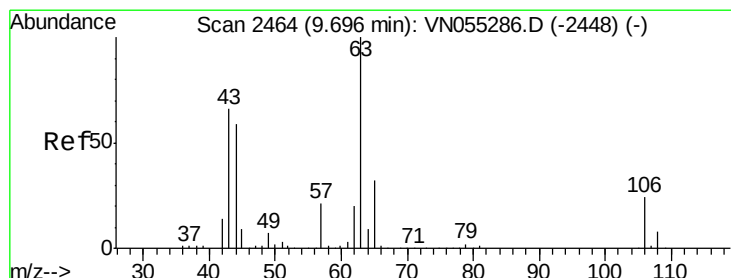
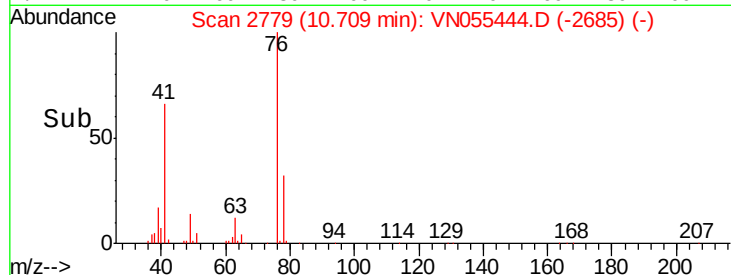
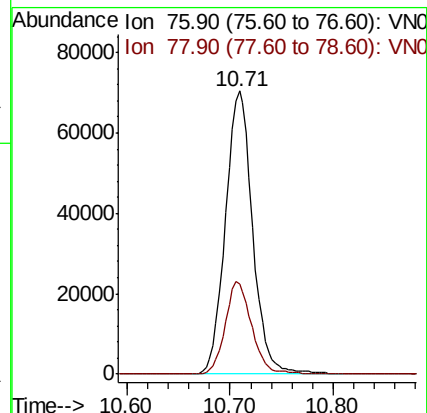
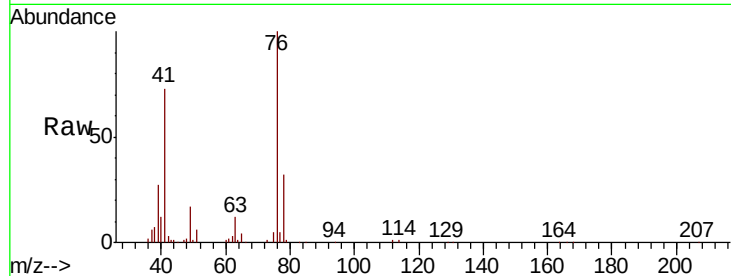
VN0507WBSD01

Tot Ion: 76 Resp: 129134

Ion Ratio Lower Upper

76 100

78 31.8 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 93.458 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055444.D

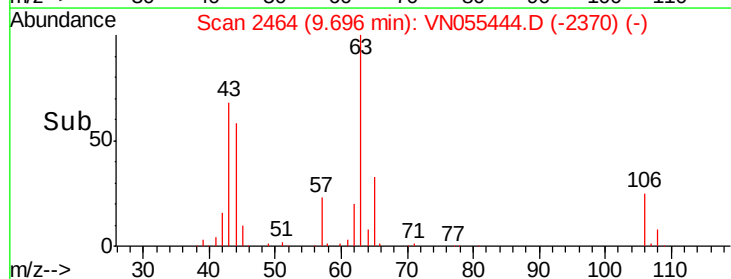
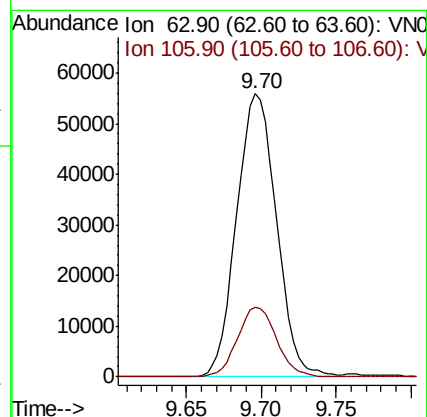
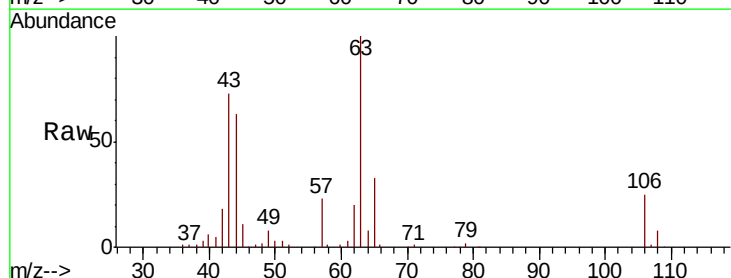
Acq: 7 May 2019 18:00

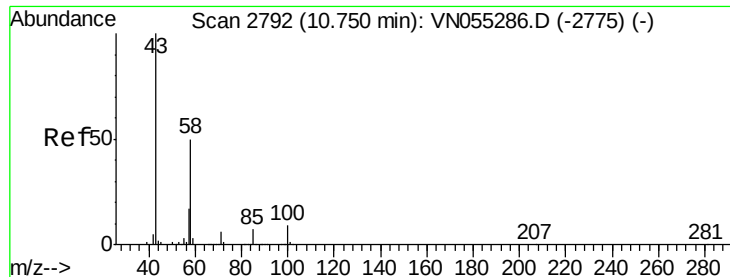
Tgt Ion: 63 Resp: 104061

Ion Ratio Lower Upper

63 100

106 24.1 19.0 28.4

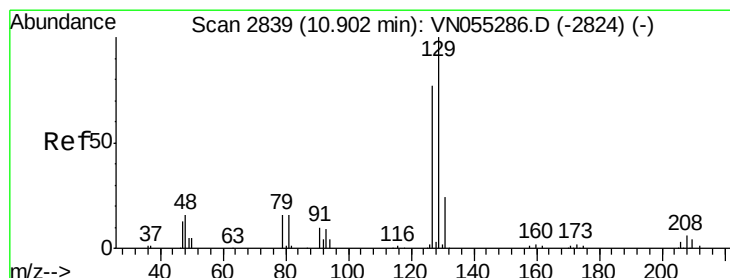
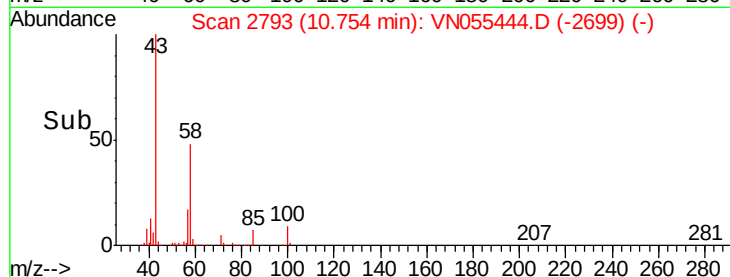
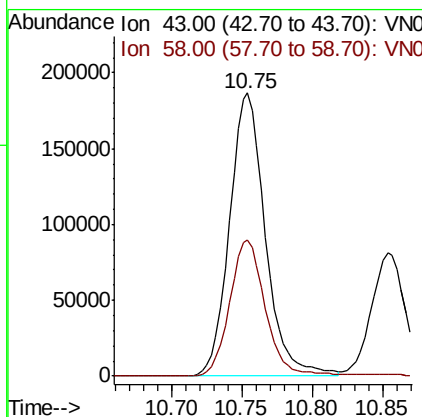
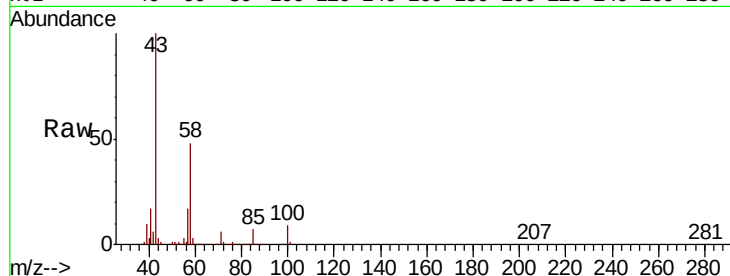




#59
2-Hexanone
Concen: 149.152 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

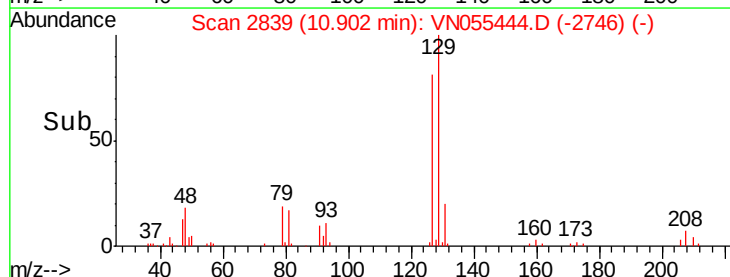
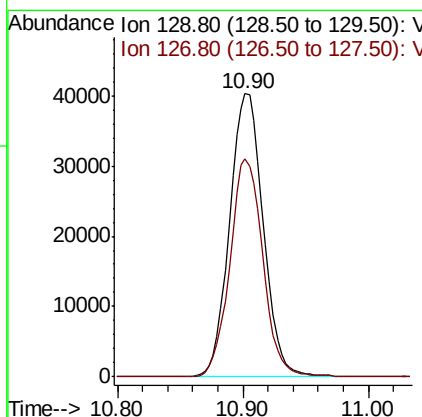
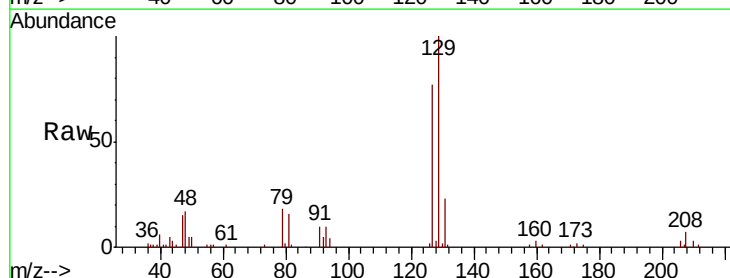
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01

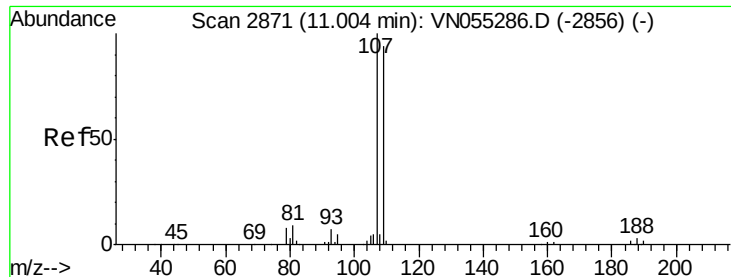
Tot Ion: 43 Resp: 329106
Ion Ratio Lower Upper
43 100
58 48.5 24.9 74.6



#60
Dibromochloromethane
Concen: 22.961 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Tgt Ion: 129 Resp: 74960
Ion Ratio Lower Upper
129 100
127 75.5 38.1 114.5





#61

1,2-Dibromoethane

Concen: 24.044 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

ClientSampleId :

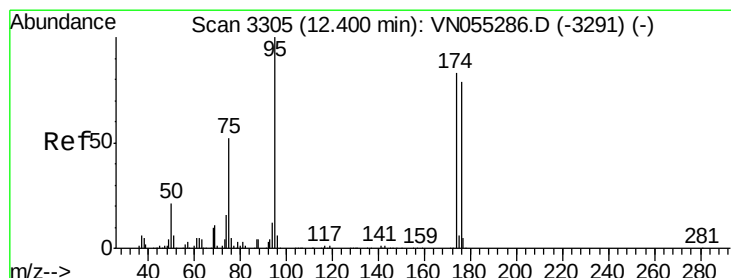
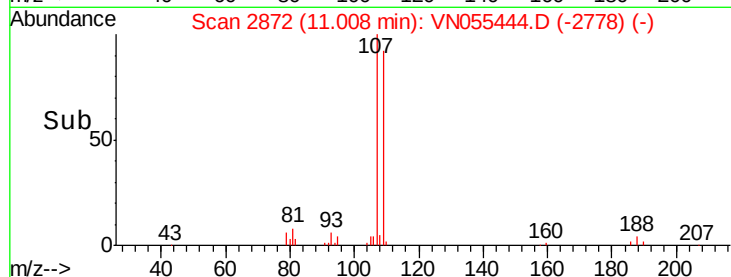
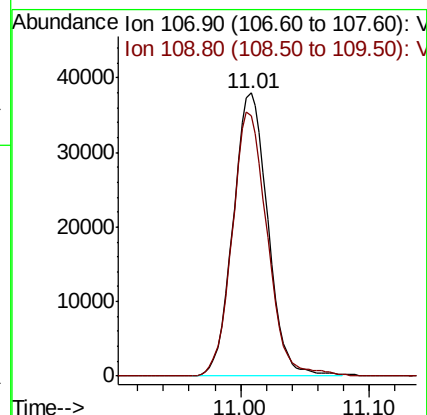
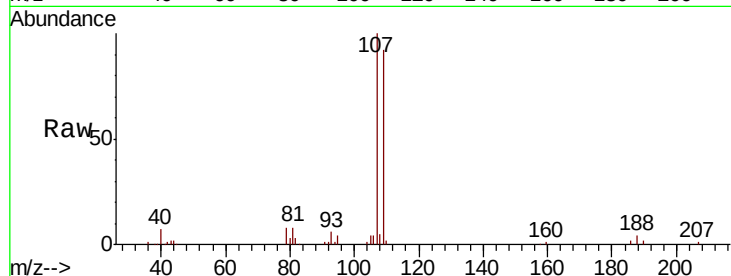
VN0507WBSD01

Tot Ion:107 Resp: 70986

Ion Ratio Lower Upper

107 100

109 94.3 75.0 112.6



#62

4-Bromofluorobenzene

Concen: 54.590 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

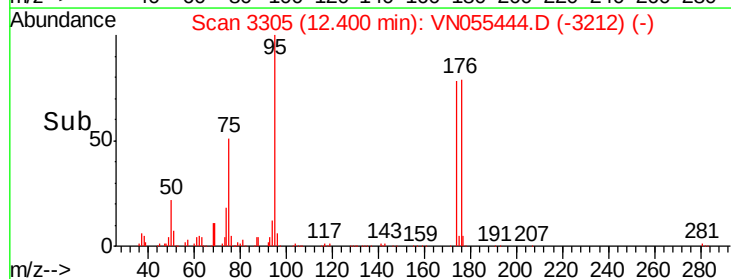
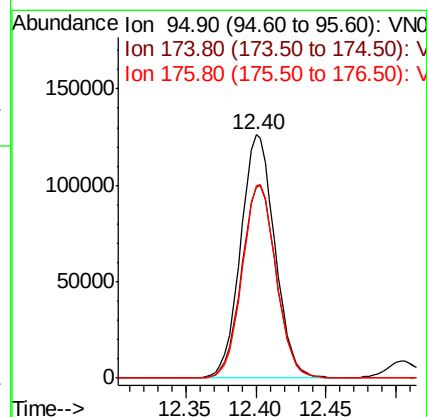
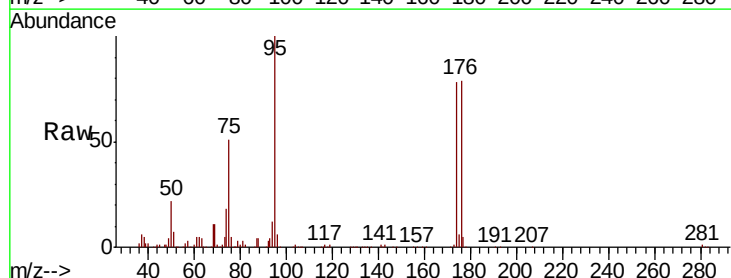
Tgt Ion: 95 Resp: 214692

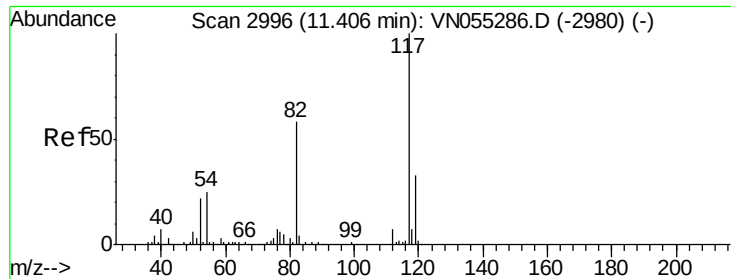
Ion Ratio Lower Upper

95 100

174 80.1 0.0 166.6

176 78.9 0.0 157.8

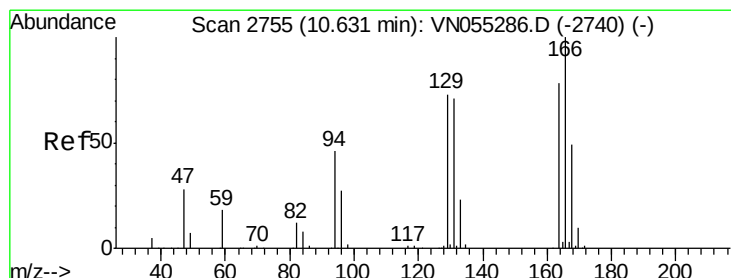
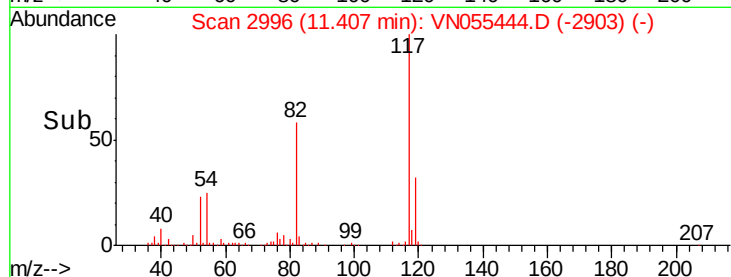
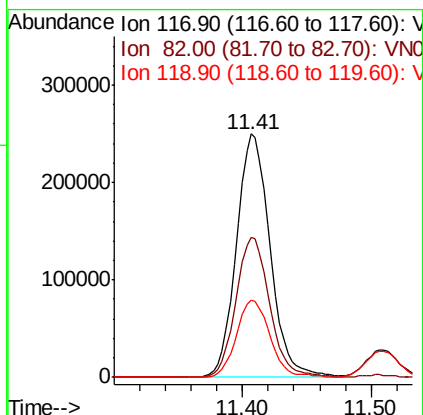
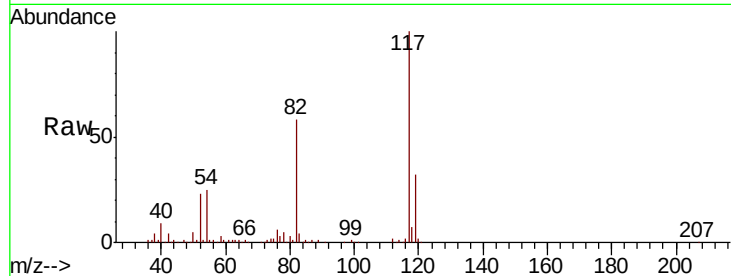




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

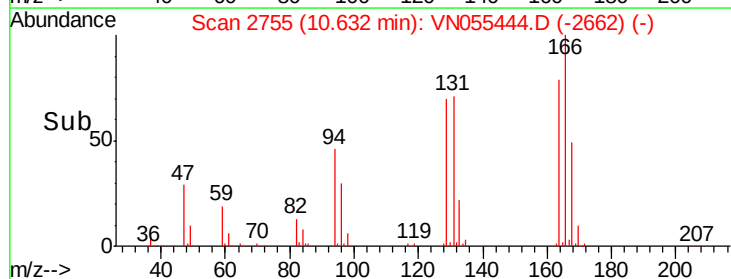
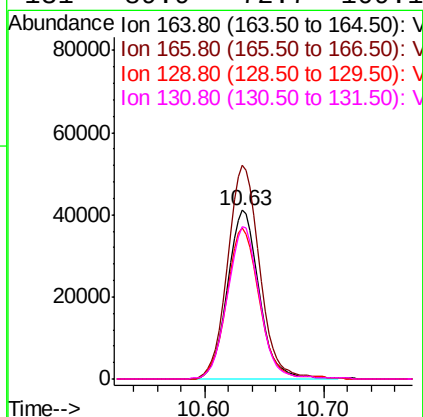
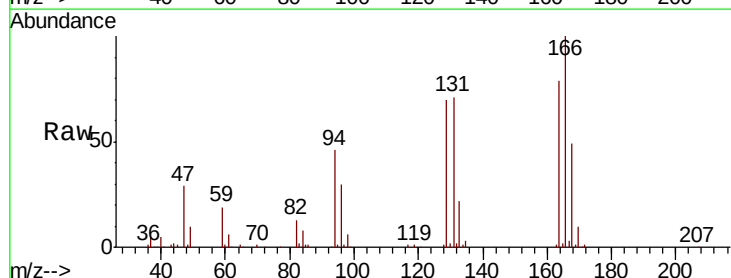
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01

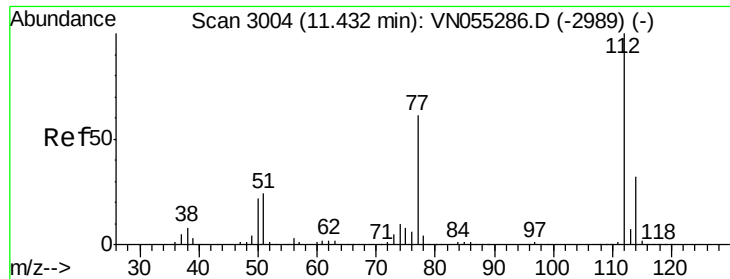
Tot Ion:117 Resp: 454050
Ion Ratio Lower Upper
117 100
82 57.6 46.2 69.4
119 32.0 26.6 40.0



#64
Tetrachloroethene
Concen: 20.325 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Tgt Ion:164 Resp: 75468
Ion Ratio Lower Upper
164 100
166 126.5 102.3 153.5
129 89.2 75.0 112.6
131 89.9 72.7 109.1

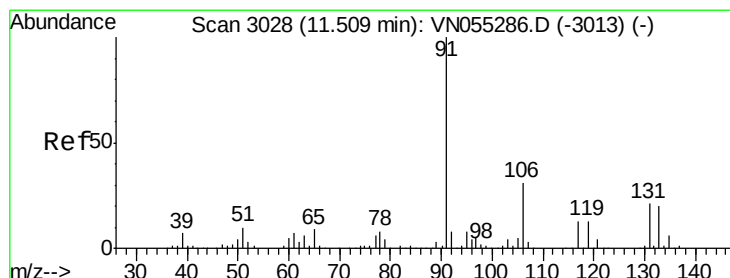
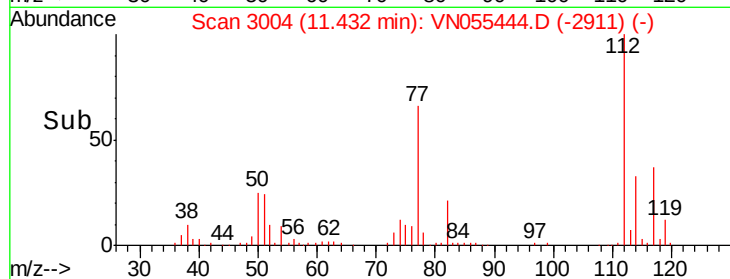
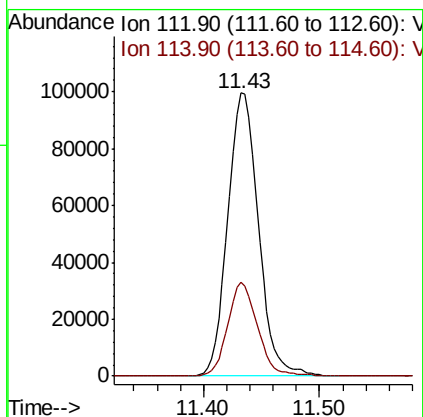
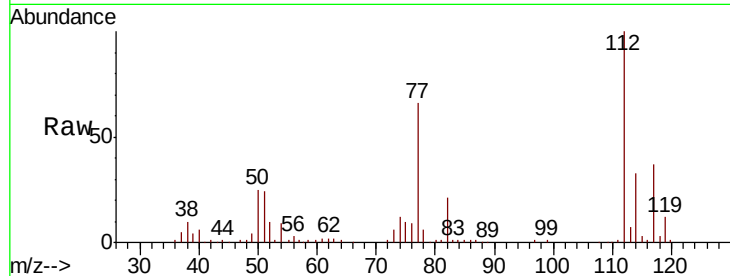




#65
Chlorobenzene
Concen: 20.579 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

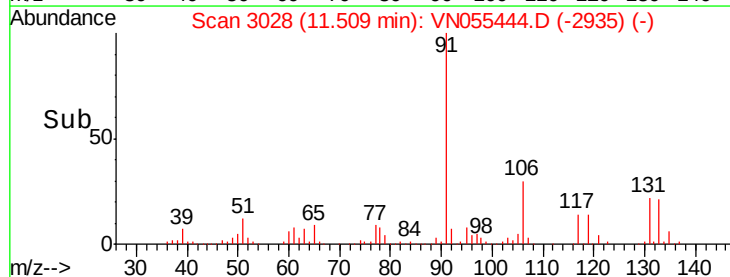
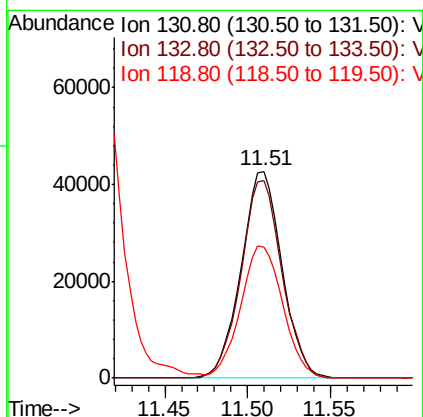
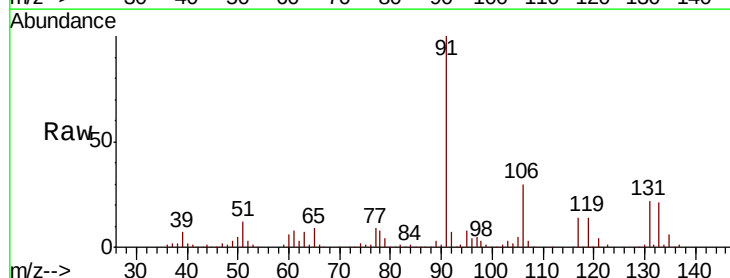
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01

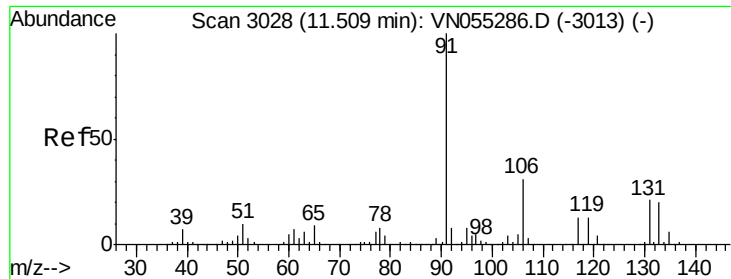
Tot Ion:112 Resp: 182686
Ion Ratio Lower Upper
112 100
114 33.1 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.030 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Tgt Ion:131 Resp: 73102
Ion Ratio Lower Upper
131 100
133 96.0 47.5 142.6
119 66.2 32.7 98.1

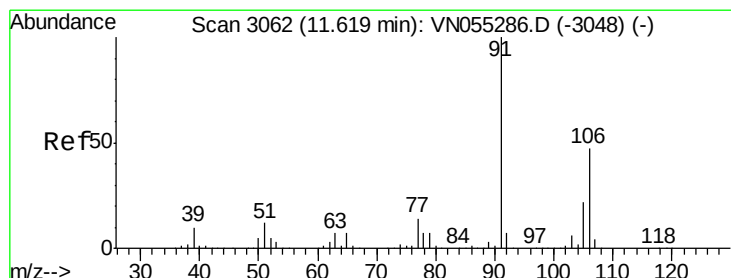
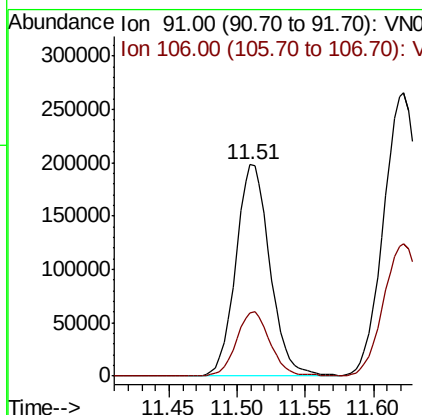
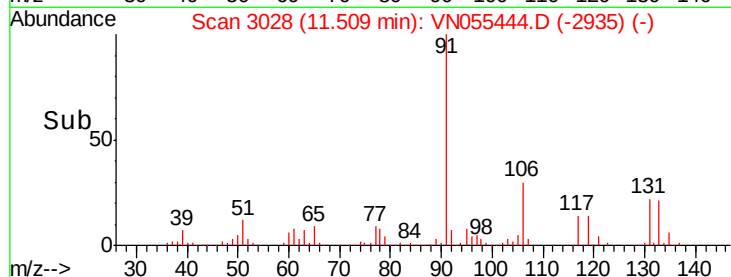
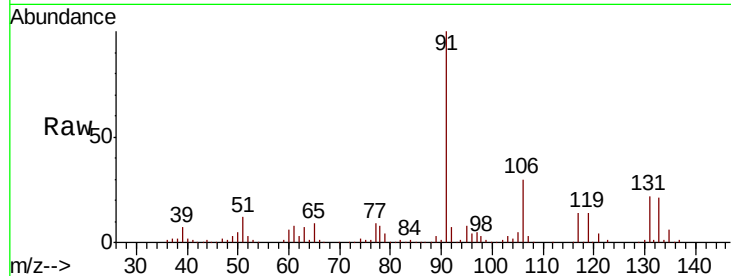




#67
Ethyl Benzene
Concen: 21.460 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

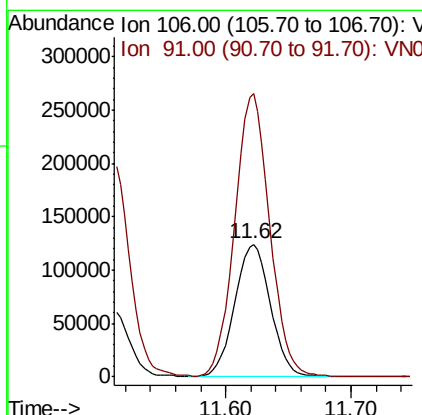
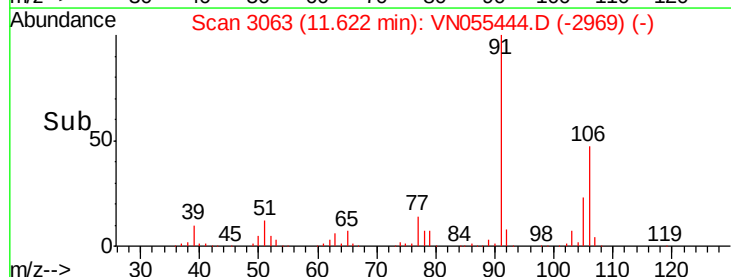
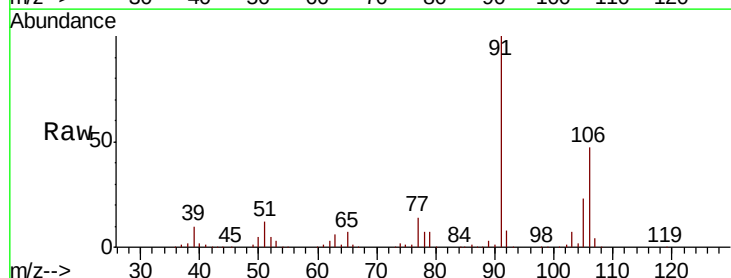
Instrument :
MSVOA_N
ClientSampled :
VN0507WBSD01

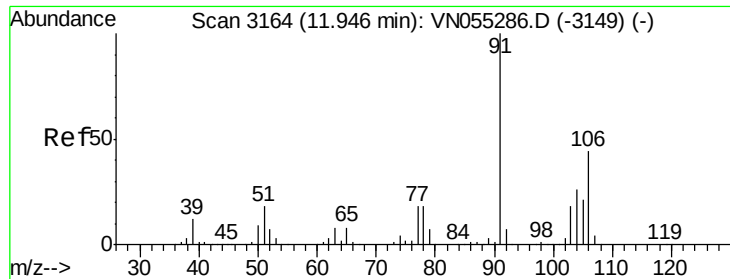
Tot Ion: 91 Resp: 344020
Ion Ratio Lower Upper
91 100
106 30.1 24.6 36.8



#68
m/p-Xylenes
Concen: 42.937 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Tgt Ion: 106 Resp: 245687
Ion Ratio Lower Upper
106 100
91 209.2 169.5 254.3

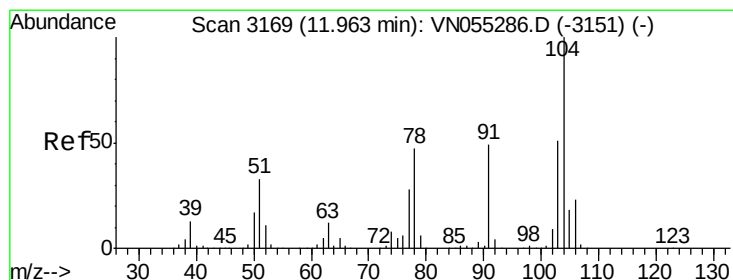
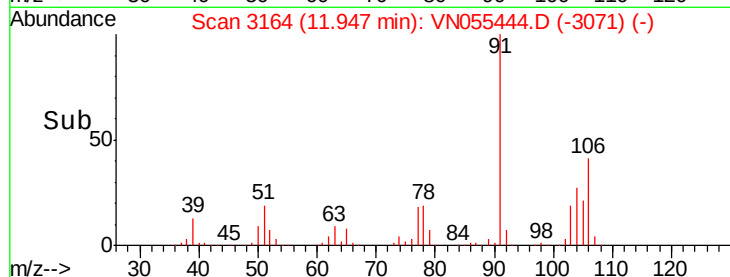
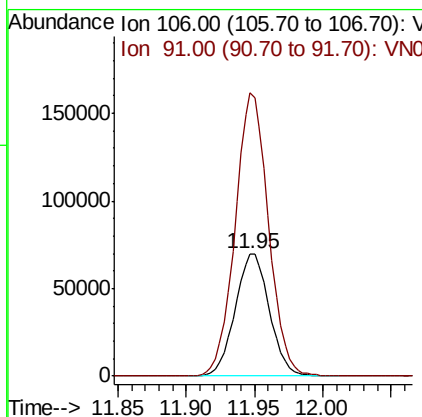
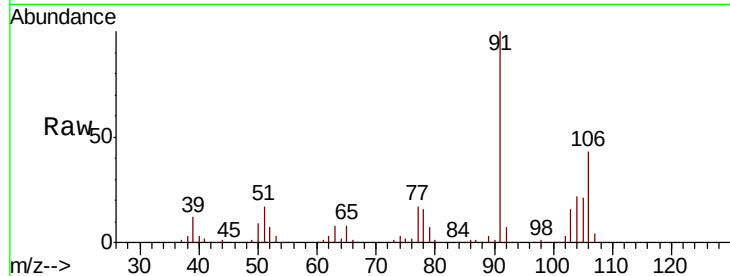




#69
o-Xylene
Concen: 21.484 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

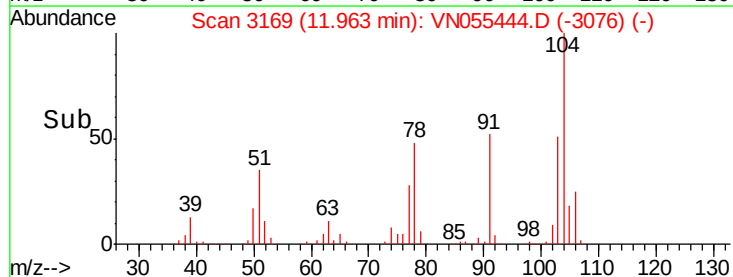
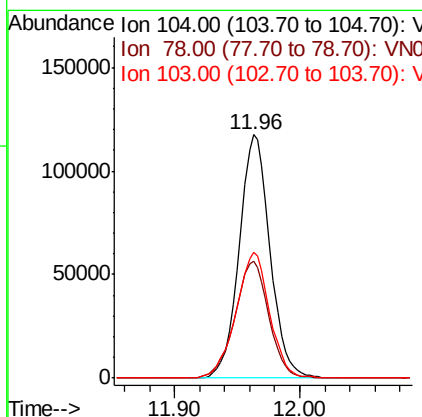
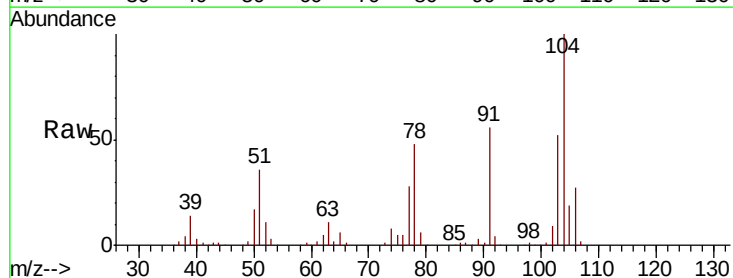
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01

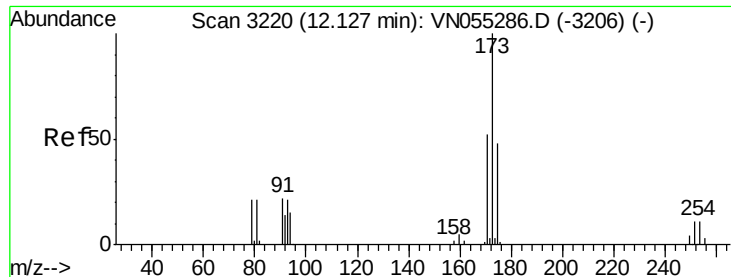
Tot Ion:106 Resp: 121845
Ion Ratio Lower Upper
106 100
91 224.7 111.5 334.5



#70
Styrene
Concen: 23.036 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Tgt Ion:104 Resp: 200598
Ion Ratio Lower Upper
104 100
78 53.0 42.2 63.2
103 56.1 44.6 67.0





#71

Bromoform

Concen: 23.753 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBSD01

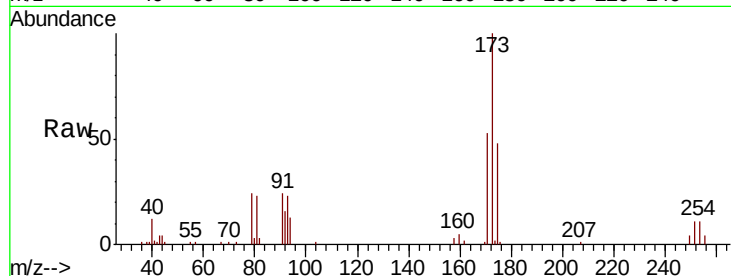
Tot Ion:173 Resp: 45816

Ion Ratio Lower Upper

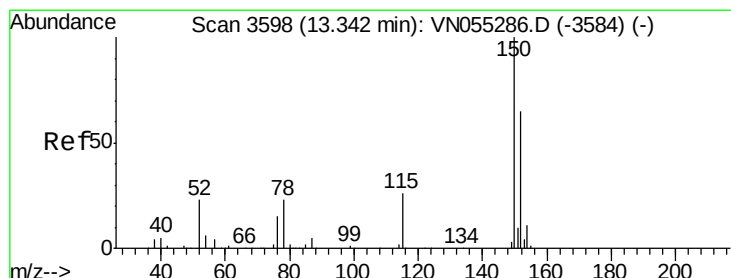
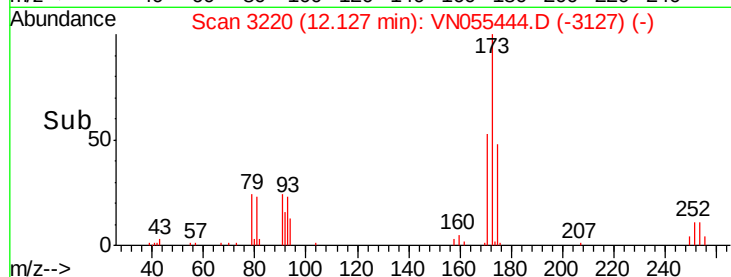
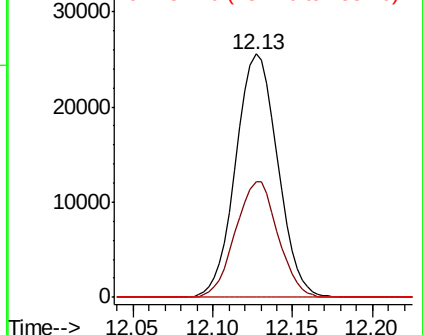
173 100

175 47.9 23.6 71.0

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: VN055444.D

Acq: 7 May 2019 18:00

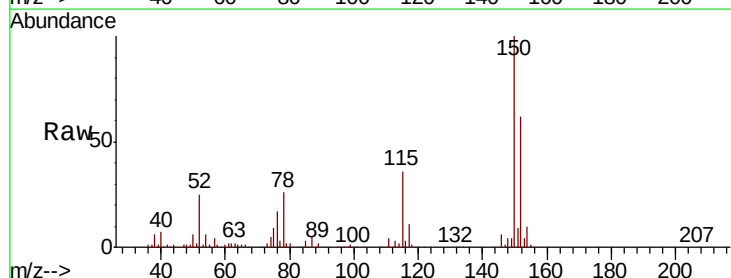
Tgt Ion:152 Resp: 175502

Ion Ratio Lower Upper

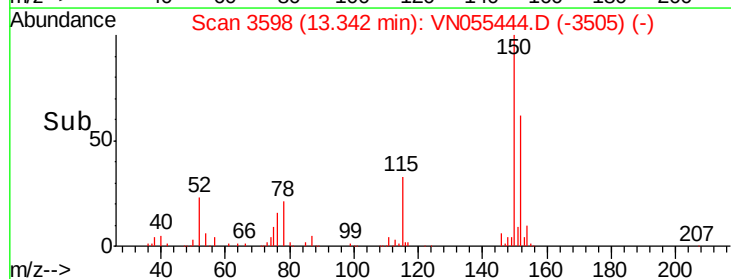
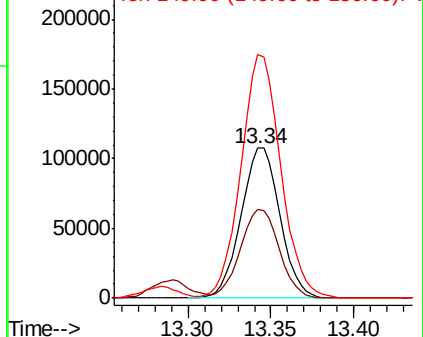
152 100

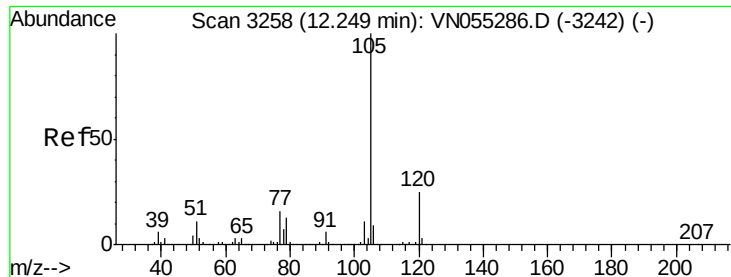
115 59.1 29.0 87.0

150 166.6 0.0 345.6



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: 22.590 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

ClientSampleId :

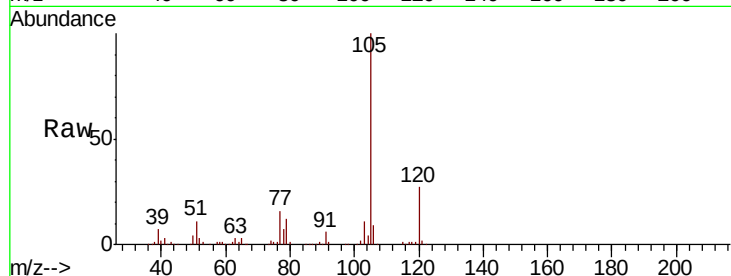
VN0507WBSD01

Tot Ion:105 Resp: 339669

Ion Ratio Lower Upper

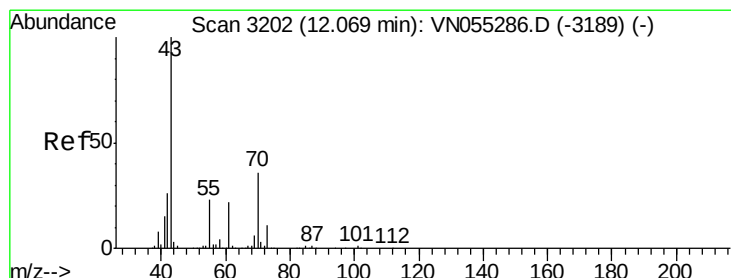
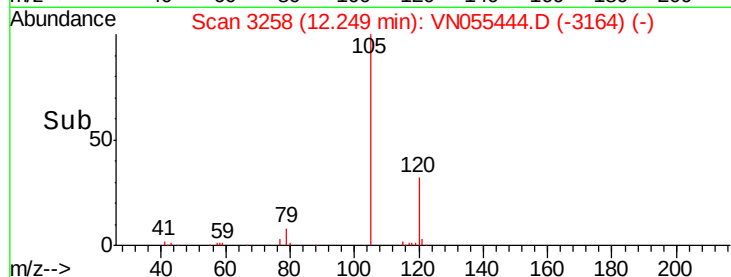
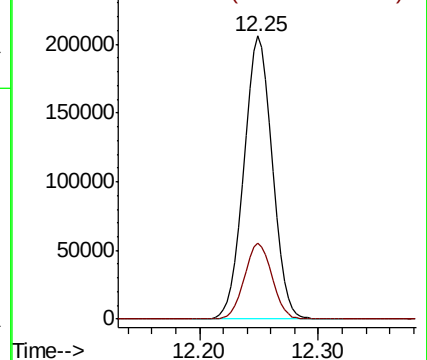
105 100

120 26.1 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 28.180 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Tgt Ion: 43 Resp: 126926

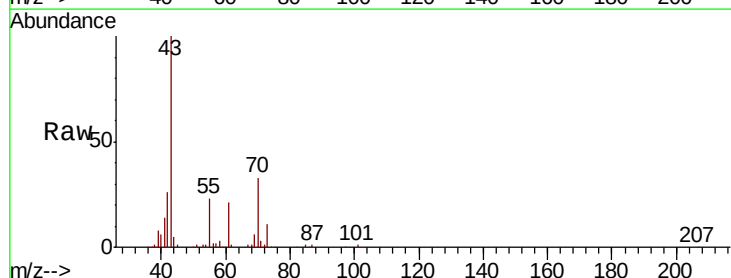
Ion Ratio Lower Upper

43 100

70 33.8 27.9 41.9

55 22.4 18.2 27.2

61 20.4 16.9 25.3

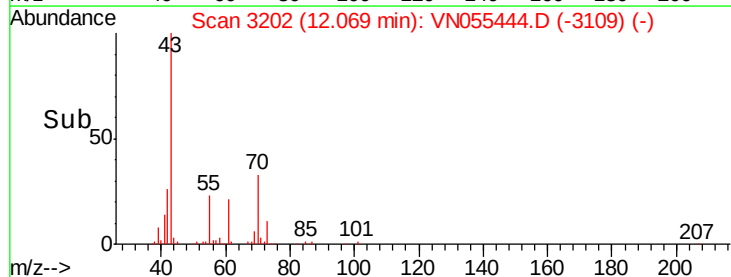
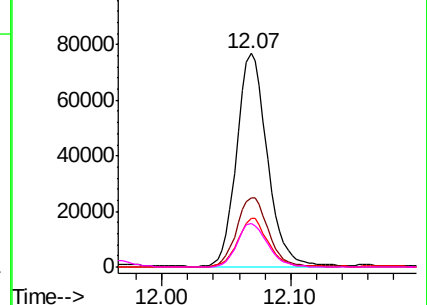


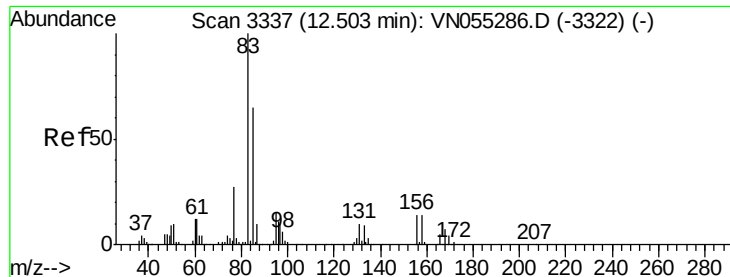
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 26.213 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBSD01

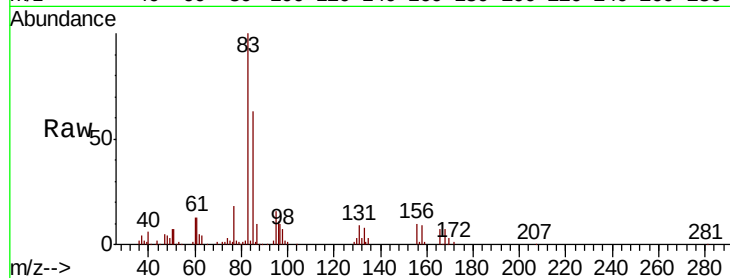
Tot Ion: 83 Resp: 96411

Ion Ratio Lower Upper

83 100

131 9.9 5.1 15.2

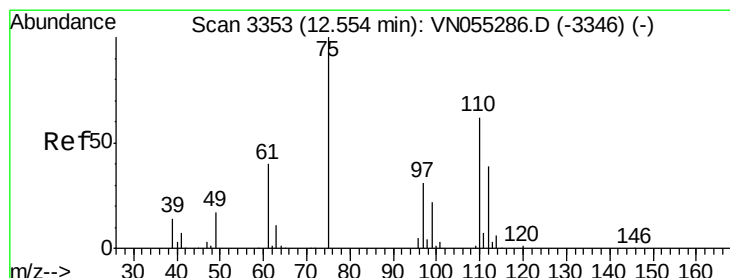
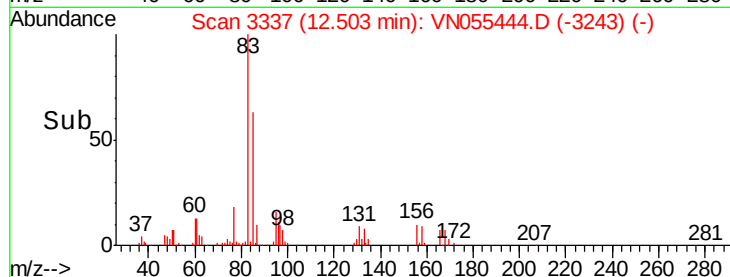
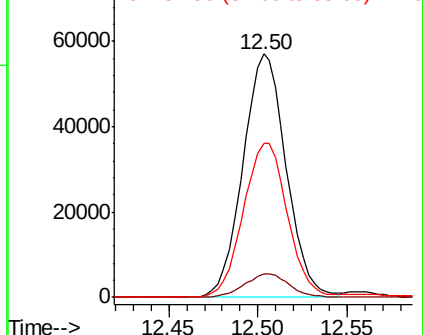
85 64.7 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN055286.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN055286.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN055286.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 34.001 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055444.D

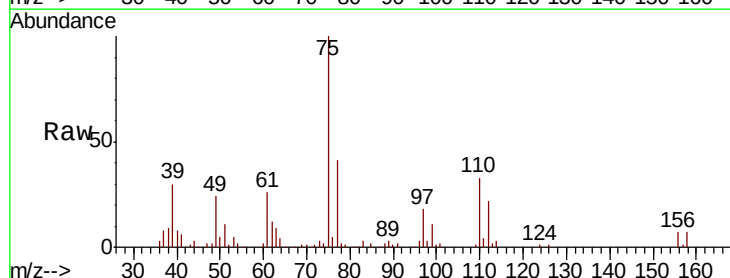
Acq: 7 May 2019 18:00

Tgt Ion: 75 Resp: 113543

Ion Ratio Lower Upper

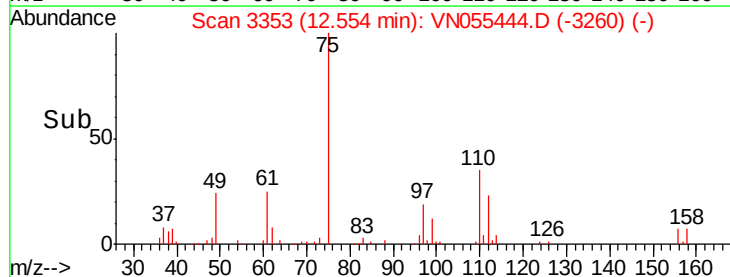
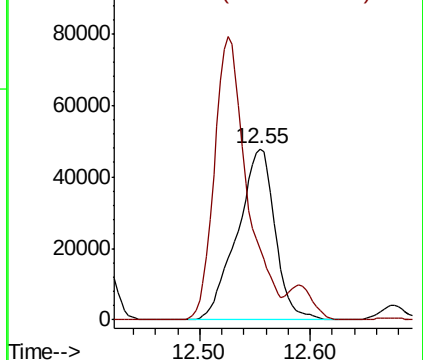
75 100

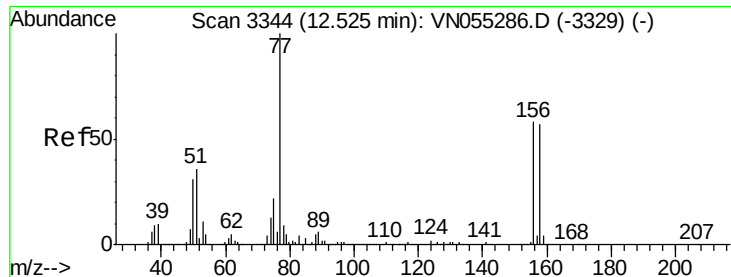
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055286.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN055286.D (-3346) (-)





#77

Bromobenzene

Concen: 22.890 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

ClientSampled :

VN0507WBSD01

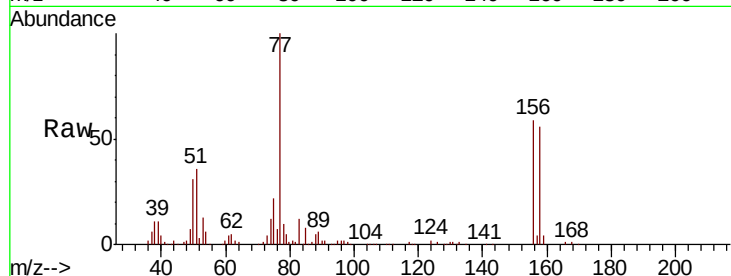
Tot Ion:156 Resp: 80640

Ion Ratio Lower Upper

156 100

77 201.5 99.6 298.8

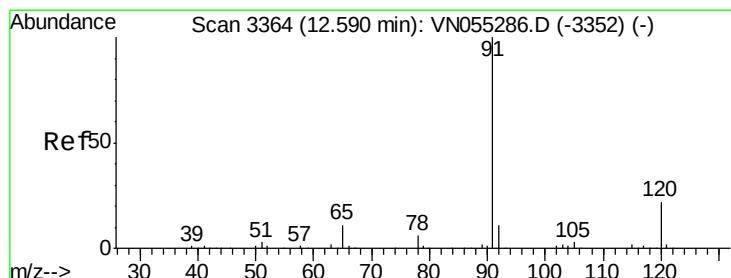
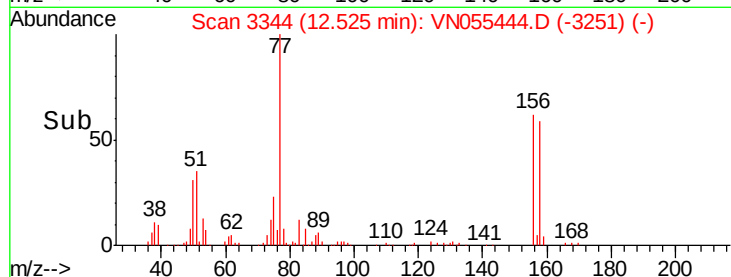
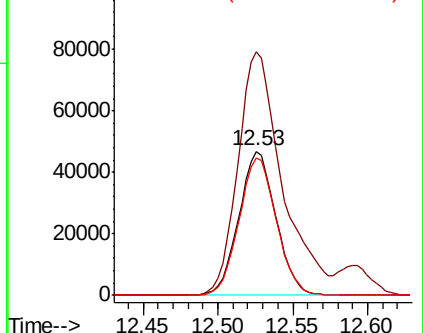
158 96.6 49.3 147.8



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: 20.173 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055444.D

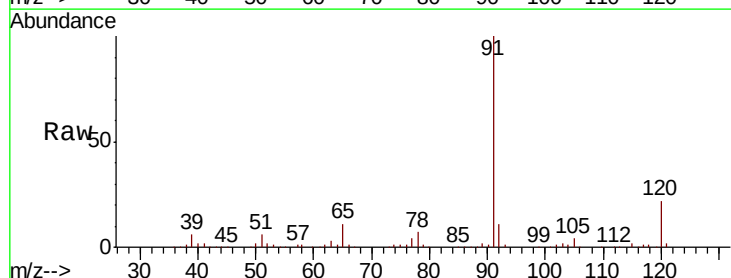
Acq: 7 May 2019 18:00

Tgt Ion: 91 Resp: 363676

Ion Ratio Lower Upper

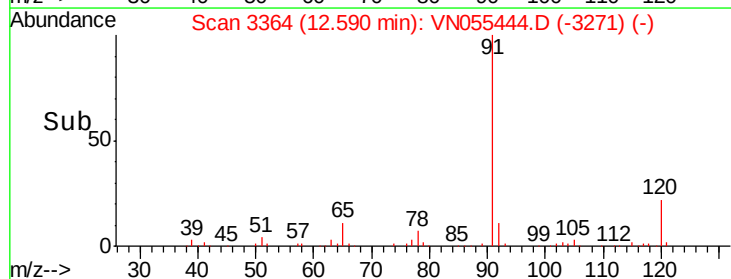
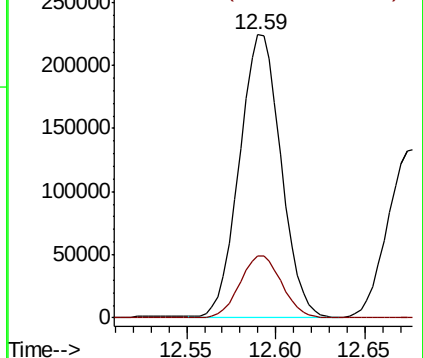
91 100

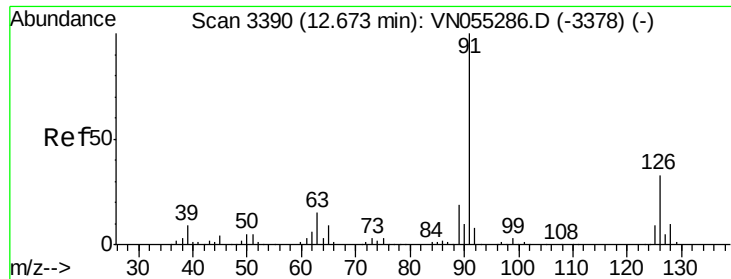
120 22.1 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.649 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

ClientSampleId :

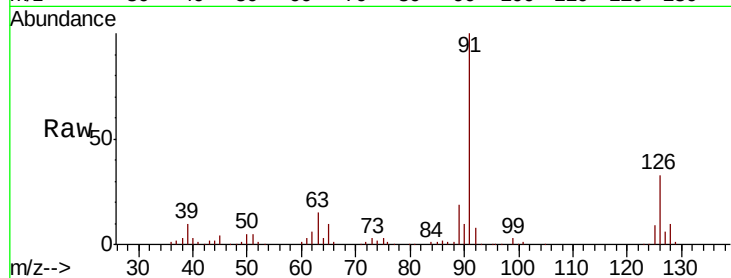
VN0507WBSD01

Tot Ion: 91 Resp: 229274

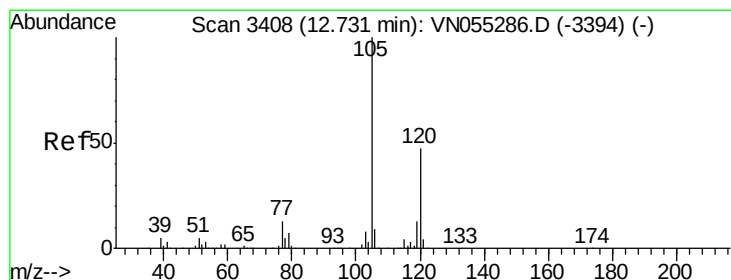
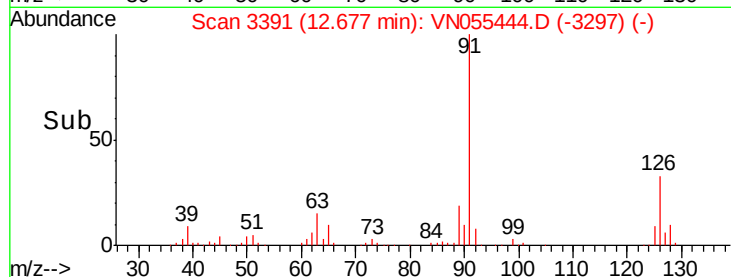
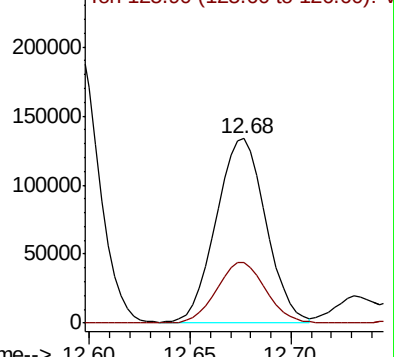
Ion Ratio Lower Upper

91 100

126 32.7 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.898 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055444.D

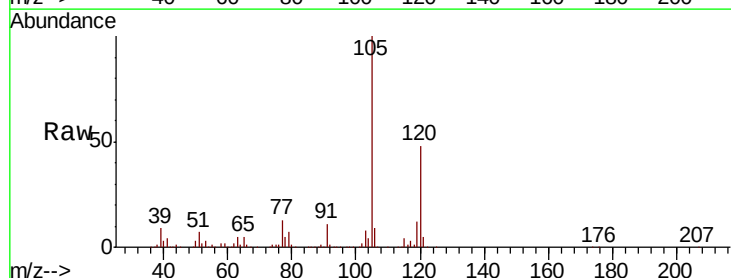
Acq: 7 May 2019 18:00

Tgt Ion:105 Resp: 287538

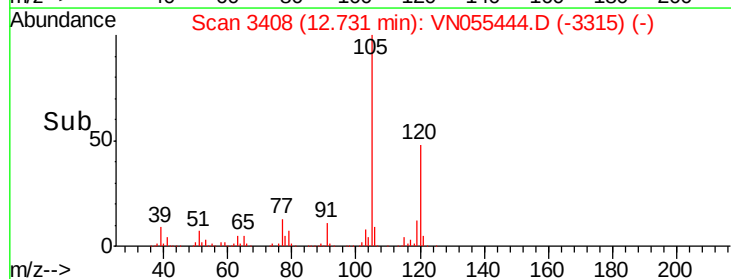
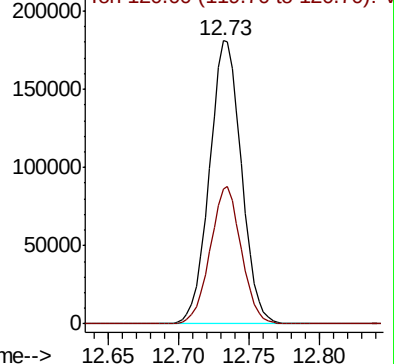
Ion Ratio Lower Upper

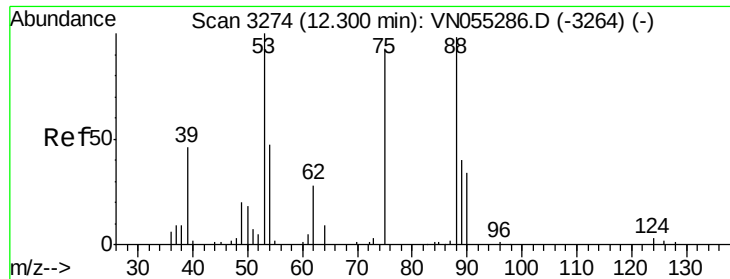
105 100

120 47.1 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055286.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 22.745 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBSD01

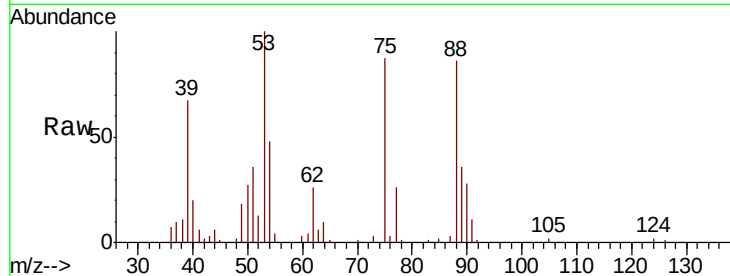
Tot Ion: 75 Resp: 21064

Ion Ratio Lower Upper

75 100

53 117.2 86.3 129.5

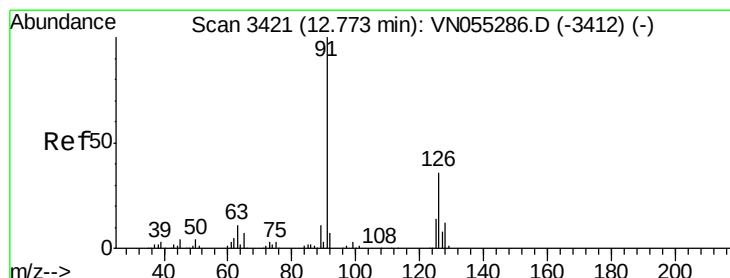
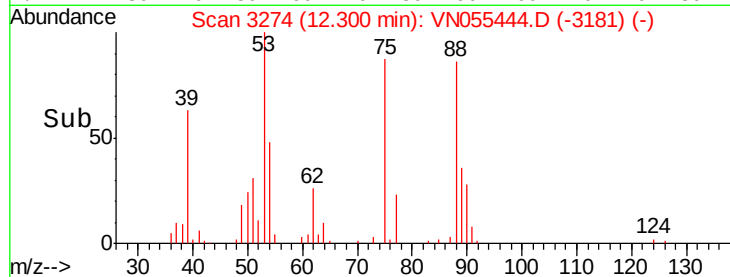
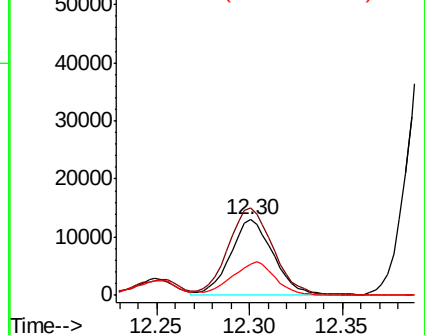
89 43.9 34.6 51.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.604 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055444.D

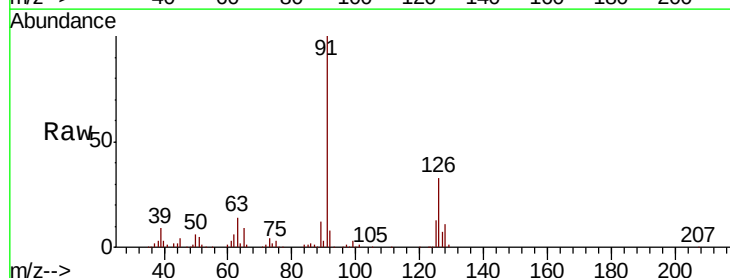
Acq: 7 May 2019 18:00

Tgt Ion: 91 Resp: 215975

Ion Ratio Lower Upper

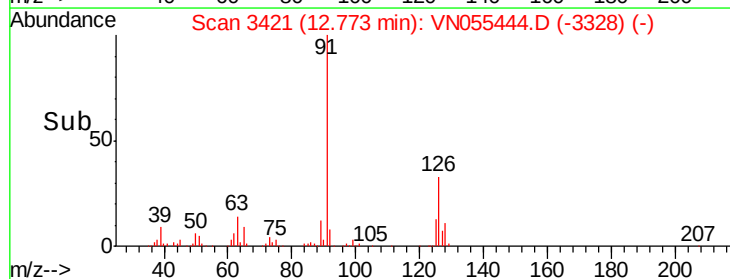
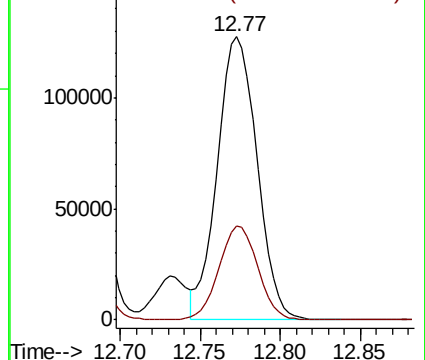
91 100

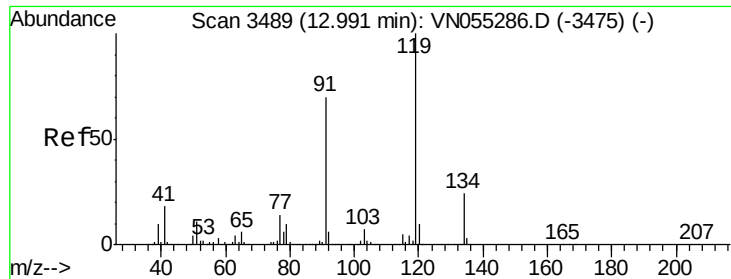
126 32.4 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

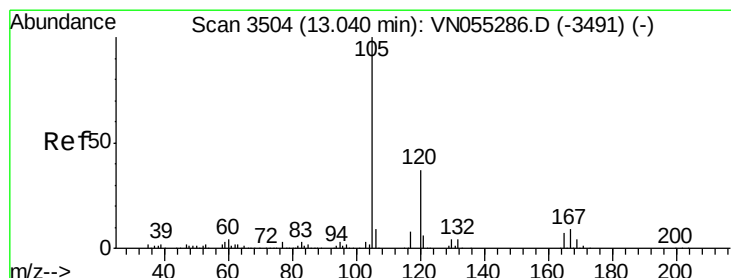
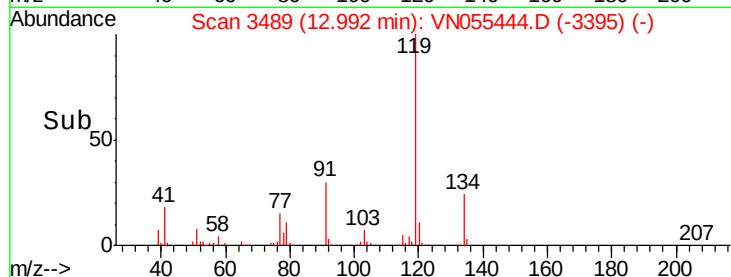
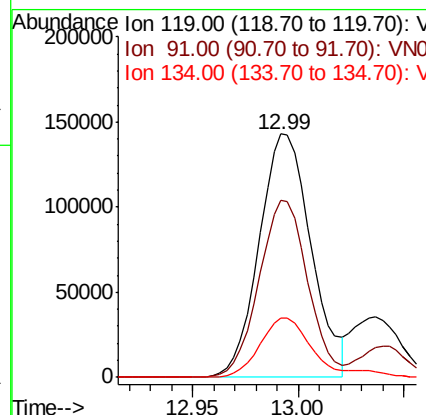
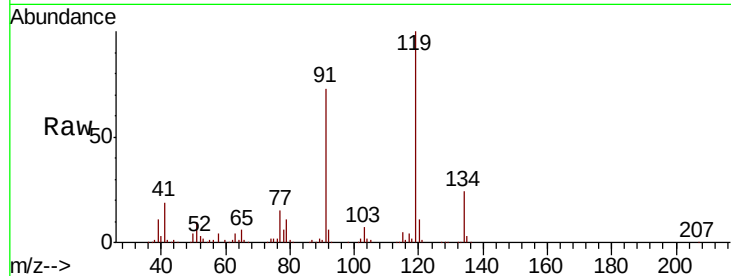




#83
tert-Butylbenzene
Concen: 23.679 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

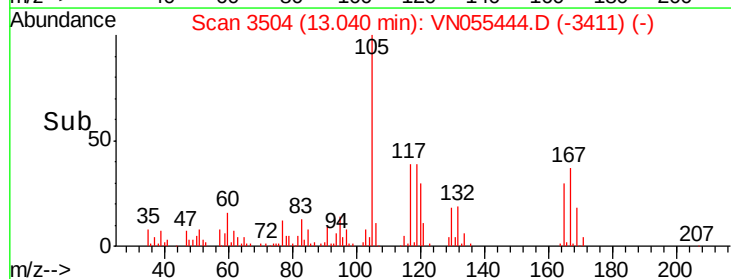
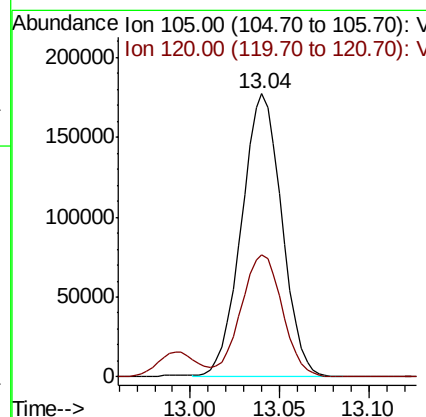
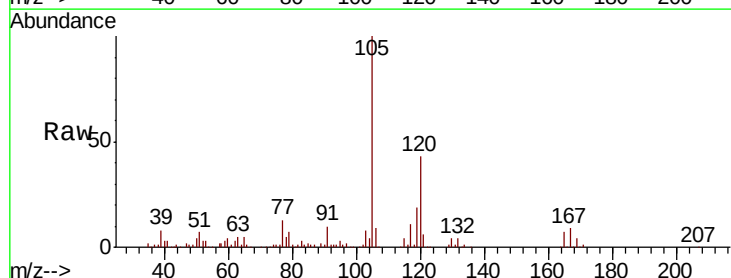
Instrument :
MSVOA_N
ClientSampled :
VN0507WBSD01

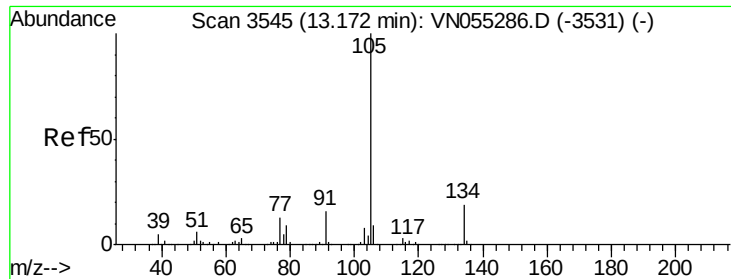
Tot Ion:119 Resp: 245527
Ion Ratio Lower Upper
119 100
91 68.2 34.3 102.9
134 23.7 13.1 39.3



#84
1,2,4-Trimethylbenzene
Concen: 22.583 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Tgt Ion:105 Resp: 277885
Ion Ratio Lower Upper
105 100
120 44.7 22.1 66.5





#85

sec-Butylbenzene

Concen: 21.244 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

ClientSampleId :

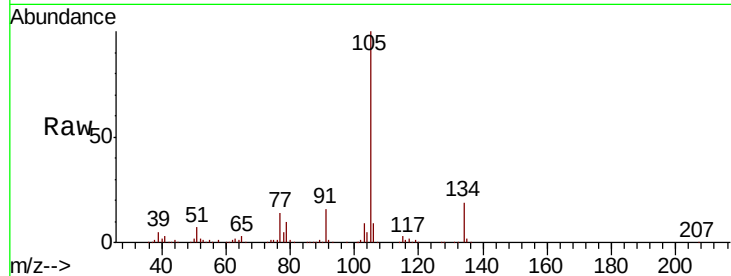
VN0507WBSD01

Tot Ion:105 Resp: 317692

Ion Ratio Lower Upper

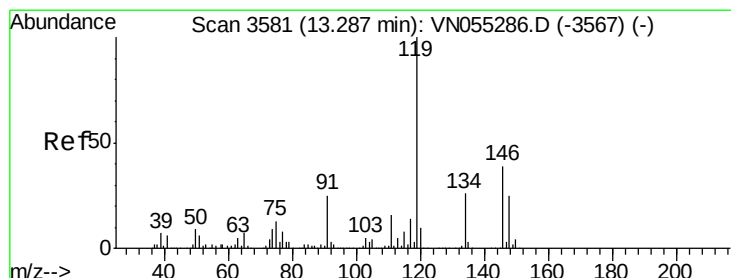
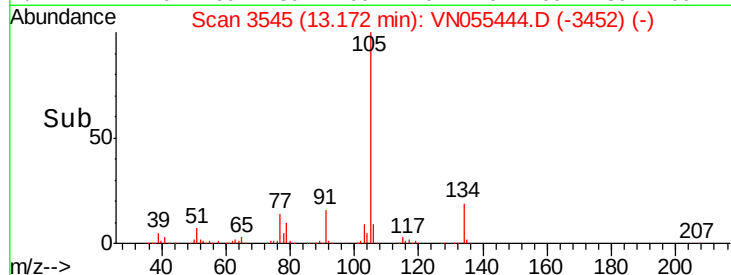
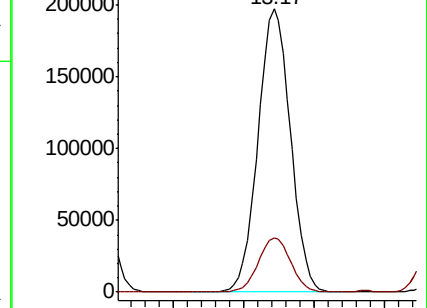
105 100

134 19.1 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.587 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

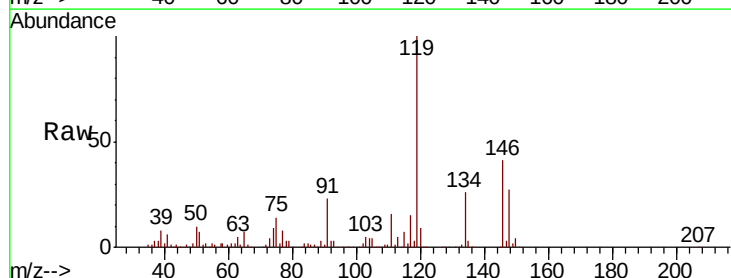
Tgt Ion:119 Resp: 265329

Ion Ratio Lower Upper

119 100

134 26.0 13.0 38.9

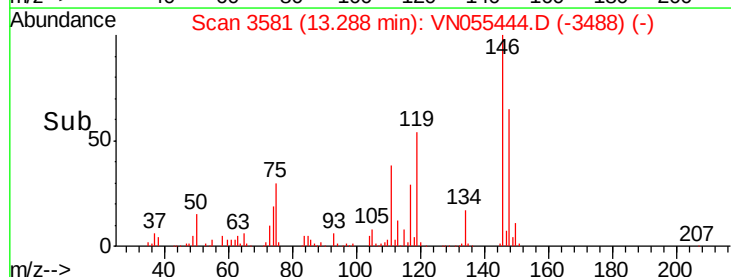
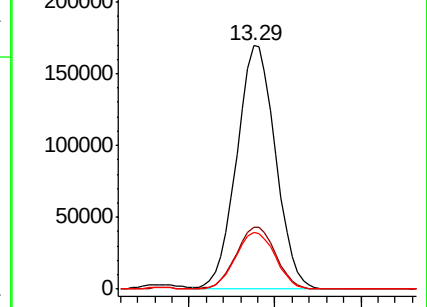
91 23.5 12.2 36.6

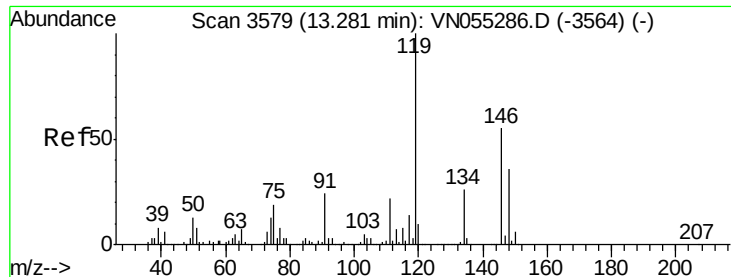


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

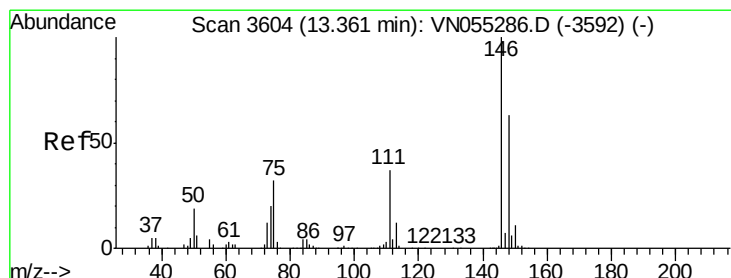
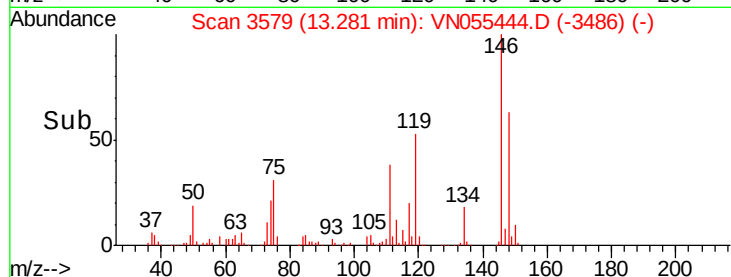
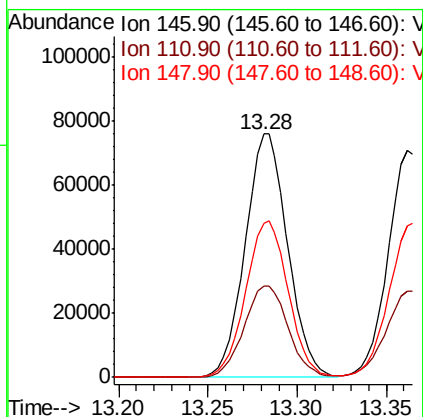
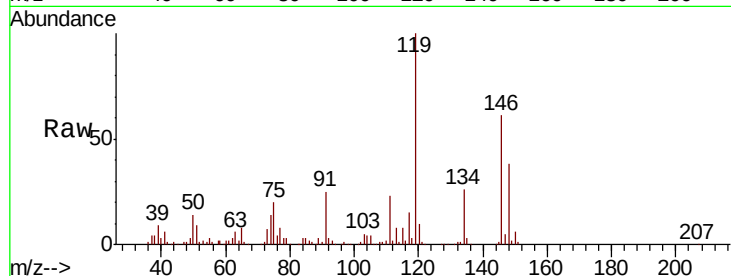




#87
 1,3-Dichlorobenzene
 Concen: 21.532 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

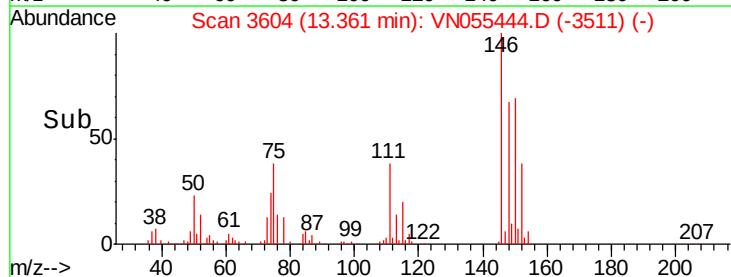
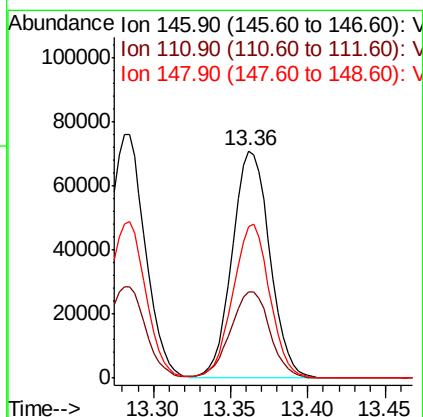
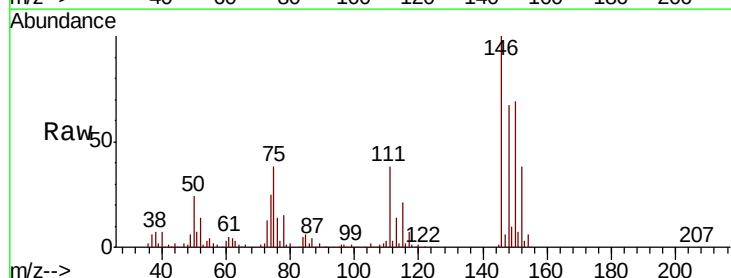
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBSD01

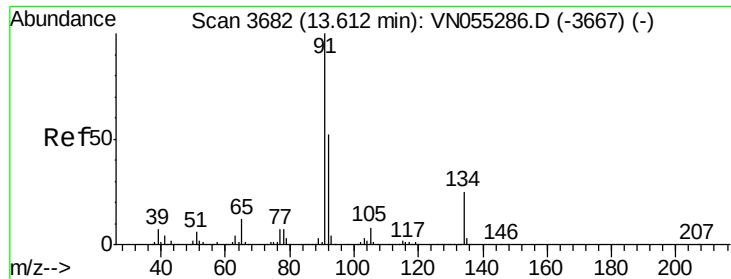
Tot Ion:146 Resp: 126451
 Ion Ratio Lower Upper
 146 100
 111 38.9 20.3 60.8
 148 64.5 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 21.674 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Tgt Ion:146 Resp: 119868
 Ion Ratio Lower Upper
 146 100
 111 40.3 19.5 58.5
 148 66.6 32.5 97.4





#89

n-Butylbenzene

Concen: 21.989 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBSD01

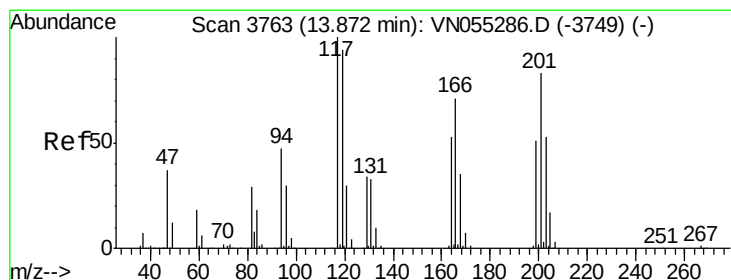
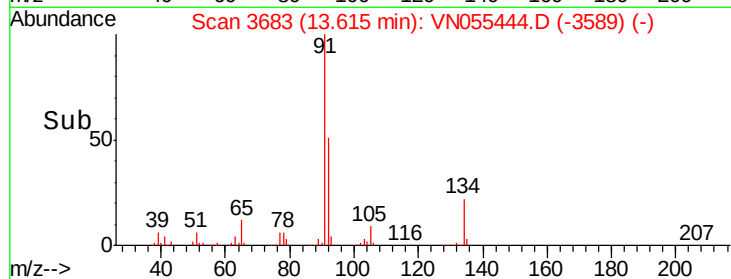
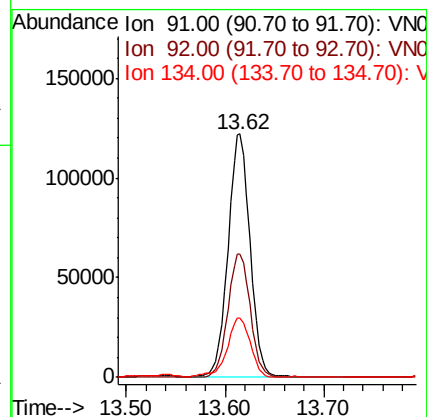
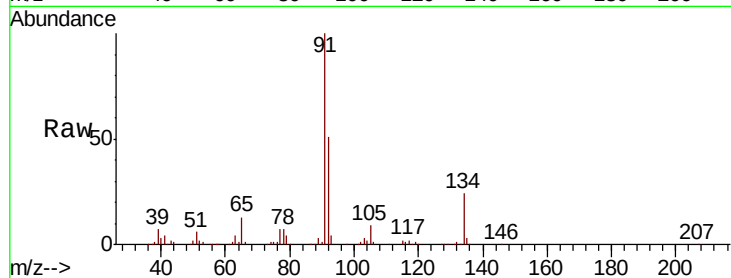
Tot Ion: 91 Resp: 192053

Ion Ratio Lower Upper

91 100

92 51.4 26.1 78.3

134 25.9 12.4 37.4



#90

Hexachloroethane

Concen: 22.585 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055444.D

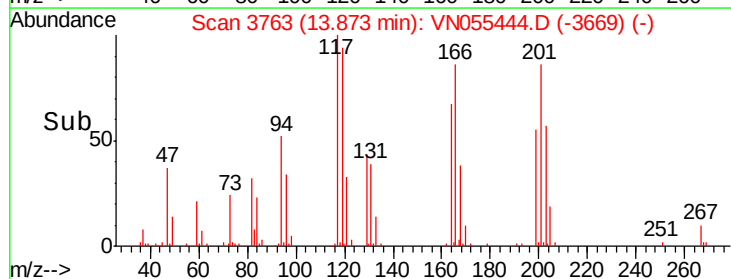
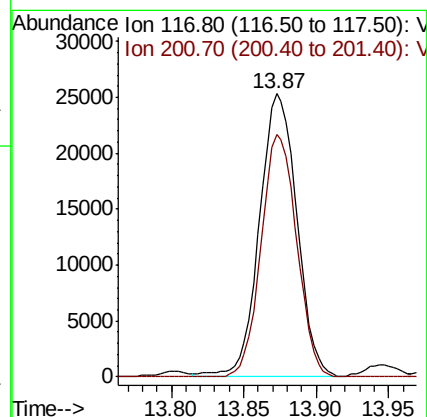
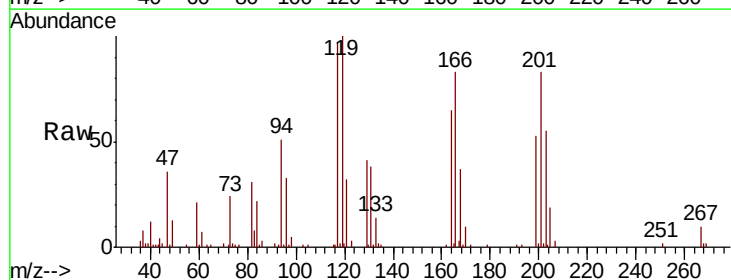
Acq: 7 May 2019 18:00

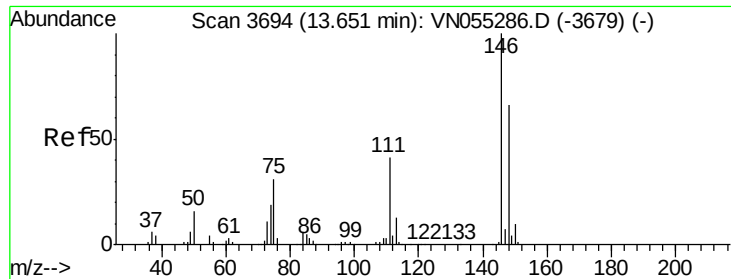
Tgt Ion: 117 Resp: 45636

Ion Ratio Lower Upper

117 100

201 81.0 41.9 125.8

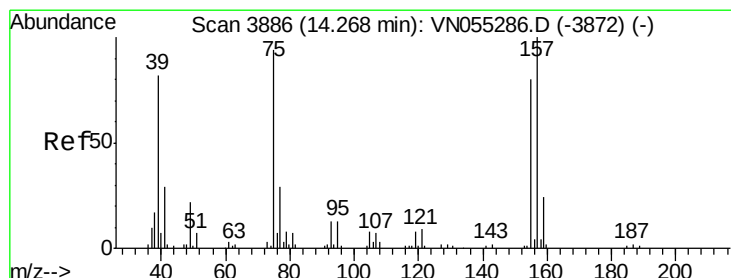
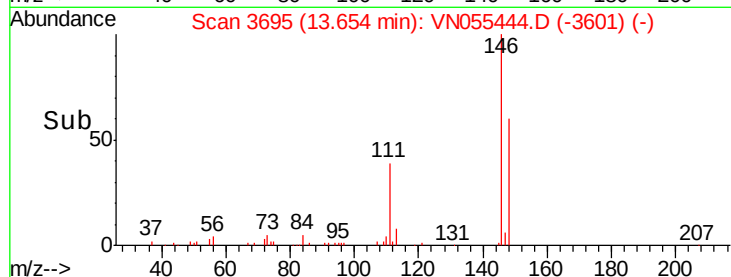
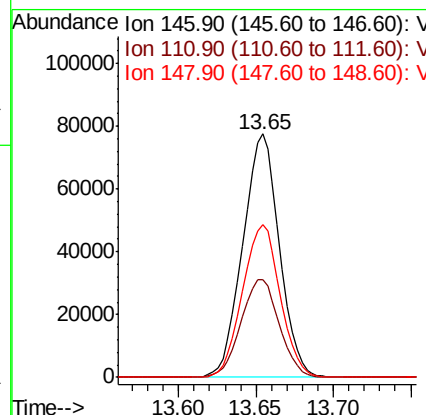
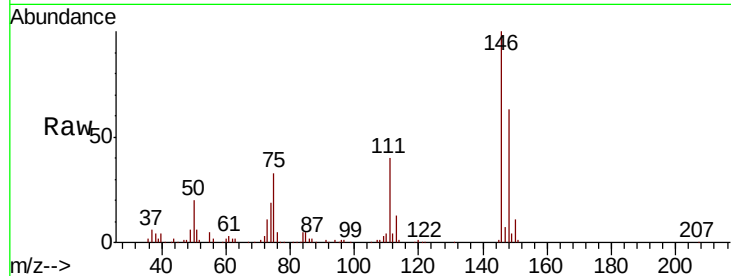




#91
 1,2-Dichlorobenzene
 Concen: 21.920 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

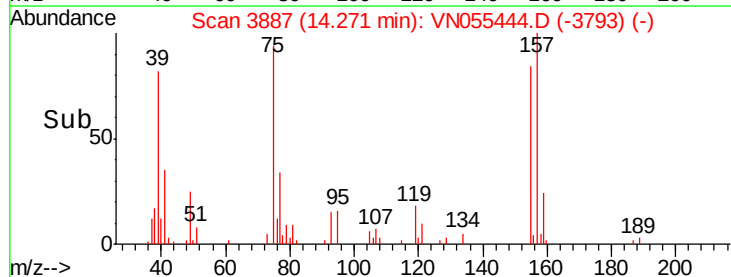
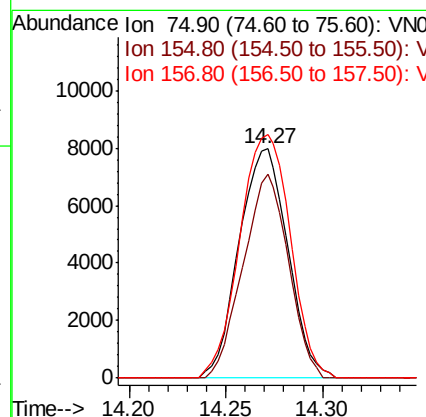
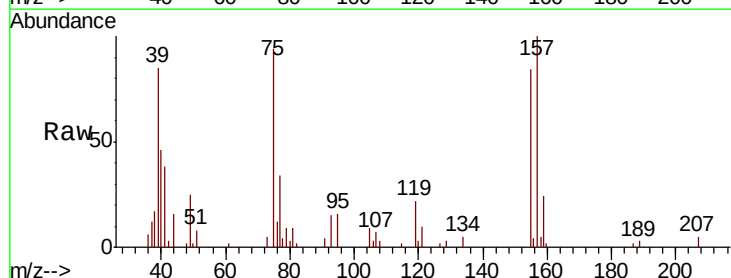
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBSD01

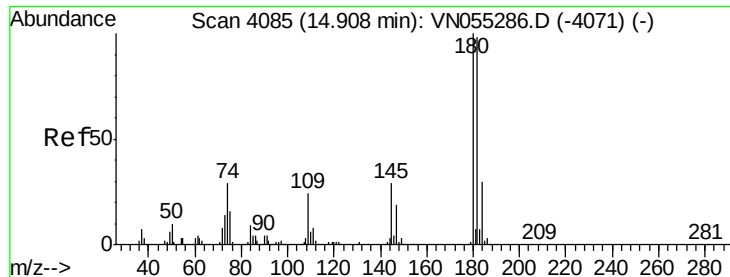
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.3	61.0
148	64.5	32.4	97.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 30.367 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.6	41.5	124.6
157	109.9	54.0	162.2

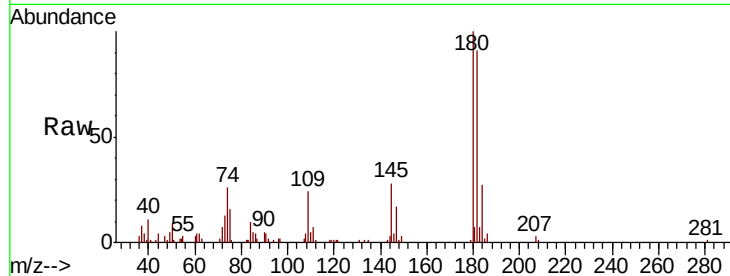




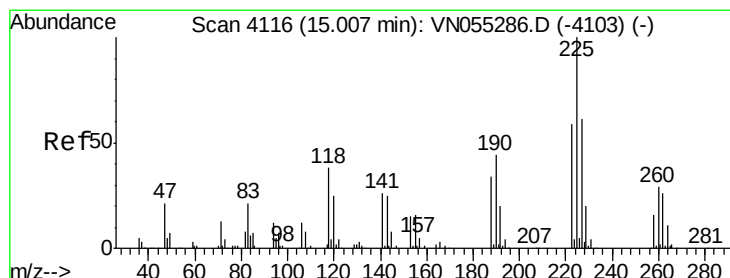
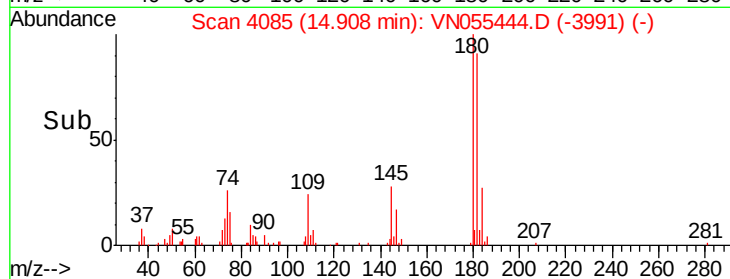
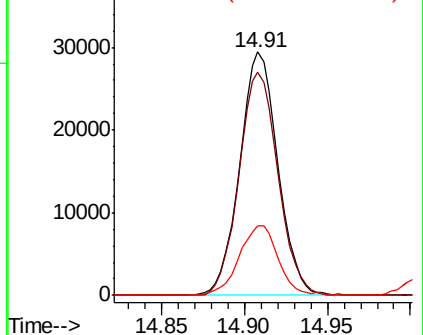
#93
 1,2,4-Trichlorobenzene
 Concen: 22.405 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBSD01

Tot Ion:180 Resp: 46922
 Ion Ratio Lower Upper
 180 100
 182 93.7 48.3 144.9
 145 29.3 14.2 42.6

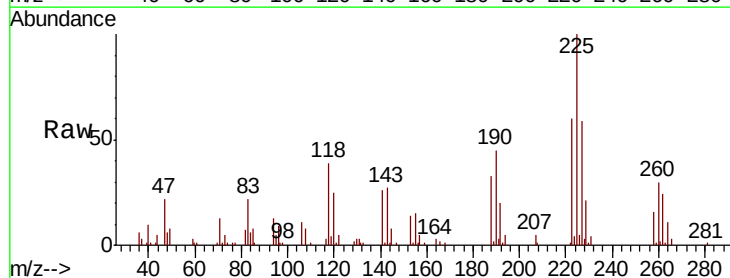


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

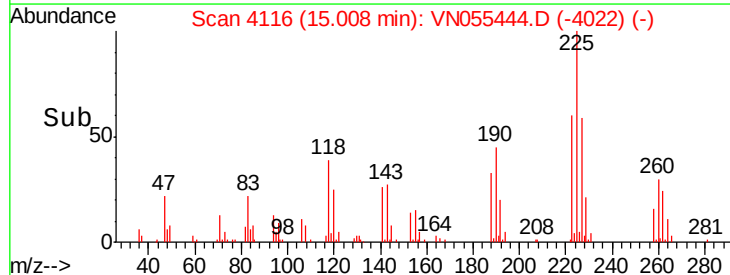
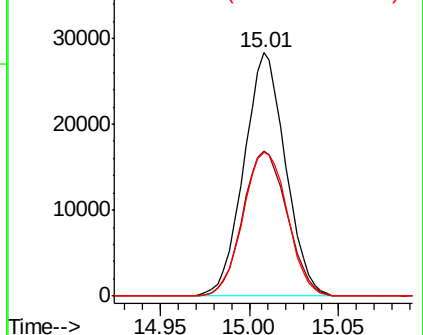


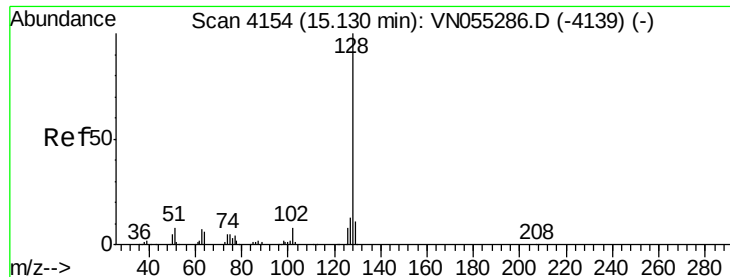
#94
 Hexachlorobutadiene
 Concen: 25.010 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Tgt Ion:225 Resp: 46254
 Ion Ratio Lower Upper
 225 100
 223 63.6 30.3 90.8
 227 63.0 30.9 92.7



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: 23.558 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBSD01

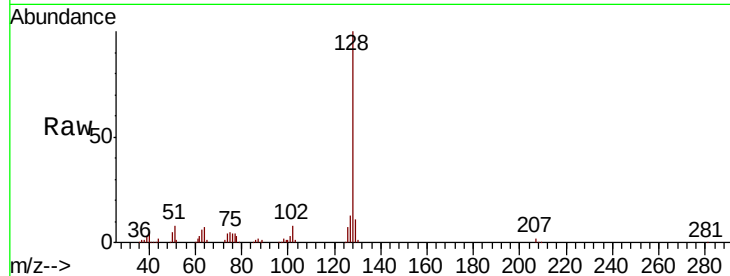
Tot Ion:128 Resp: 105721

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

129 10.7 8.6 13.0

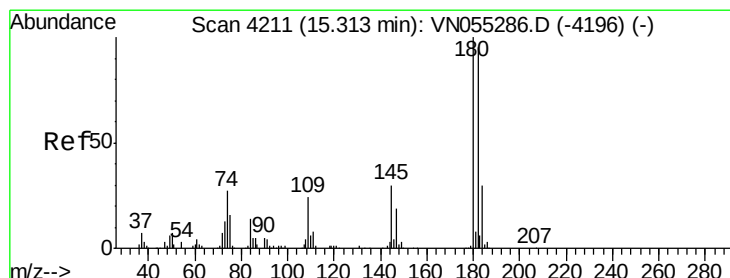
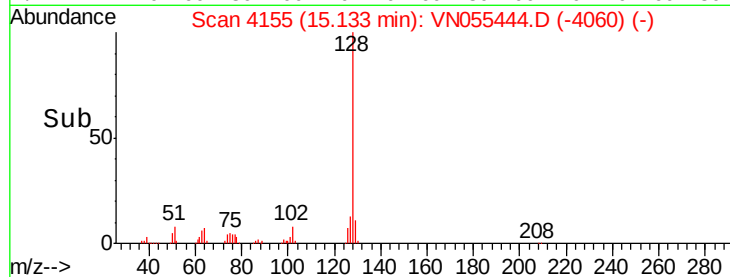
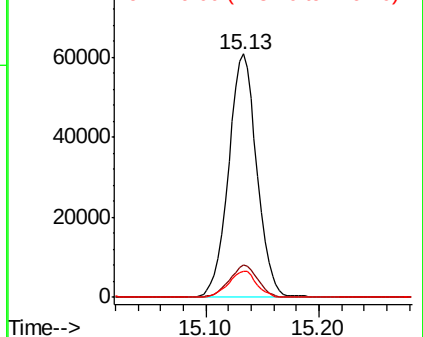


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 23.502 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

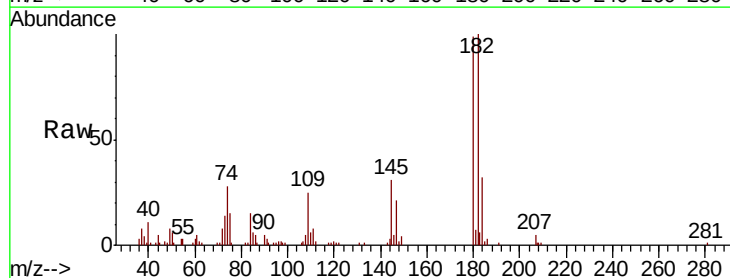
Tgt Ion:180 Resp: 49809

Ion Ratio Lower Upper

180 100

182 100.2 48.3 144.9

145 32.0 15.2 45.6



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

