

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050319\
 Data File : VN055390.D
 Acq On : 3 May 2019 15:22
 Operator : JC/SP
 Sample : VN0503WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503WBSD01

Quant Time: May 03 23:22:03 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	404096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	646533	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	552158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	203474	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	267047	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
35) Dibromofluoromethane	7.59	113	213950	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	10.09	98	762899	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
62) 4-Bromofluorobenzene	12.40	95	240775	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	93060	18.796	ug/l	98
3) Chloromethane	2.06	50	106306	17.340	ug/l	99
4) Vinyl Chloride	2.19	62	95026	19.229	ug/l	99
5) Bromomethane	2.57	94	51667	19.738	ug/l	98
6) Chloroethane	2.71	64	54388	20.316	ug/l	98
7) Trichlorofluoromethane	3.02	101	136257	19.390	ug/l	99
8) Diethyl Ether	3.41	74	51175	20.815	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	79988	19.115	ug/l	99
10) Methyl Iodide	3.96	142	110434	18.753	ug/l	98
11) Tert butyl alcohol	4.80	59	31330	103.513	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	78433	19.649	ug/l	99
13) Acrolein	3.61	56	13140	55.591	ug/l	99
14) Allyl chloride	4.33	41	161706	19.559	ug/l	100
15) Acrylonitrile	4.99	53	175121	102.936	ug/l	98
16) Acetone	3.82	43	136412	82.814	ug/l	100
17) Carbon Disulfide	4.06	76	174111	16.713	ug/l	98
18) Methyl Acetate	4.33	43	87383	21.180	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	237751	21.186	ug/l	99
20) Methylene Chloride	4.56	84	93025	18.502	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	82759	19.576	ug/l	95
22) Diisopropyl ether	5.95	45	345307	21.021	ug/l	94
23) Vinyl Acetate	5.90	43	1112815	103.365	ug/l	100
24) 1,1-Dichloroethane	5.85	63	176170	20.129	ug/l	100
25) 2-Butanone	6.84	43	203450	96.579	ug/l	98
26) 2,2-Dichloropropane	6.82	77	110276	18.246	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	98781	20.547	ug/l	99
28) Bromochloromethane	7.20	49	88801	20.129	ug/l	98
29) Tetrahydrofuran	7.22	42	141168	104.655	ug/l	99
30) Chloroform	7.37	83	164776	19.860	ug/l	99
31) Cyclohexane	7.65	56	158052	19.007	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	132813	19.724	ug/l	99
36) 1,1-Dichloropropene	7.79	75	116046	18.739	ug/l	99
37) Ethyl Acetate	6.94	43	91825	19.347	ug/l	99
38) Carbon Tetrachloride	7.77	117	109302	18.297	ug/l	96

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Quant Time: May 03 23:22:03 2019
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 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)
39) Methylcyclohexane	9.08	83	124031	18.837	ug/l	96
40) Benzene	8.04	78	363063	19.887	ug/l	99
41) Methacrylonitrile	7.17	41	35493	14.353	ug/l #	67
42) 1,2-Dichloroethane	8.13	62	123627	19.120	ug/l	100
43) Isopropyl Acetate	8.17	43	160417	21.031	ug/l #	88
44) Trichloroethene	8.84	130	90368	19.417	ug/l	96
45) 1,2-Dichloropropane	9.12	63	101698	19.315	ug/l	95
46) Dibromomethane	9.21	93	55814	19.393	ug/l	99
47) Bromodichloromethane	9.40	83	122486	19.838	ug/l	100
48) Methyl methacrylate	9.20	41	72806	19.416	ug/l	96
49) 1,4-Dioxane	9.20	88	16974	437.905	ug/l	91
51) 4-Methyl-2-Pentanone	9.99	43	441212	102.741	ug/l	99
52) Toluene	10.16	92	208890	19.942	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	106858	19.937	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	133647	19.999	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	78415	20.160	ug/l	98
56) Ethyl methacrylate	10.43	69	100061	20.900	ug/l	98
57) 1,3-Dichloropropane	10.71	76	136262	19.969	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	97120	74.526	ug/l	98
59) 2-Hexanone	10.75	43	258369	96.157	ug/l	100
60) Dibromochloromethane	10.90	129	79032	19.880	ug/l	98
61) 1,2-Dibromoethane	11.01	107	70172	19.518	ug/l	96
64) Tetrachloroethene	10.63	164	90655	20.077	ug/l	99
65) Chlorobenzene	11.43	112	210335	19.484	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	83037	19.644	ug/l	98
67) Ethyl Benzene	11.51	91	380497	19.518	ug/l	100
68) m/p-Xylenes	11.62	106	274616	39.465	ug/l	99
69) o-Xylene	11.95	106	138170	20.034	ug/l	100
70) Styrene	11.96	104	218463	20.630	ug/l	99
71) Bromoform	12.13	173	44770	19.087	ug/l #	94
73) Isopropylbenzene	12.25	105	370881	21.079	ug/l	99
74) N-amyl acetate	12.07	43	99534	19.061	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	89179	20.227	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	107397	27.251	ug/l #	100
77) Bromobenzene	12.53	156	87832	21.365	ug/l	97
78) n-propylbenzene	12.59	91	393763	18.839	ug/l	99
79) 2-Chlorotoluene	12.67	91	246305	20.780	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	303612	19.033	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	18338	17.079	ug/l #	83
82) 4-Chlorotoluene	12.77	91	231178	19.023	ug/l	99
83) tert-Butylbenzene	12.99	119	260547	21.412	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	288461	20.220	ug/l	100
85) sec-Butylbenzene	13.17	105	328534	18.949	ug/l	98
86) p-Isopropyltoluene	13.29	119	275410	19.327	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	132357	19.439	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	123566	19.271	ug/l	98
89) n-Butylbenzene	13.61	91	195488	19.305	ug/l	99
90) Hexachloroethane	13.88	117	45804	19.334	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	133937	19.847	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12021	22.456	ug/l	92

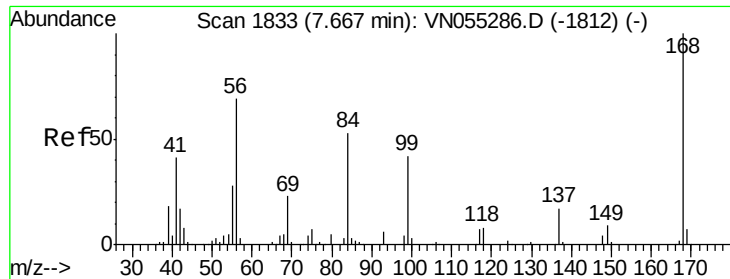
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050319\
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Instrument :
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Quant Time: May 03 23:22:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	39322	17.112	ug/l	99
94) Hexachlorobutadiene	15.01	225	46751	21.423	ug/l	95
95) Naphthalene	15.13	128	81205	16.731	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	44222	18.609	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

ClientSampleId :

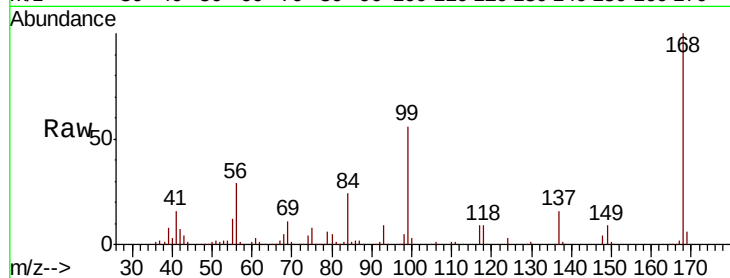
VN0503WBSD01

Tot Ion:168 Resp: 404096

Ion Ratio Lower Upper

168 100

99 55.4 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): VN055286.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055286.D (-1812) (-)

7.67

150000

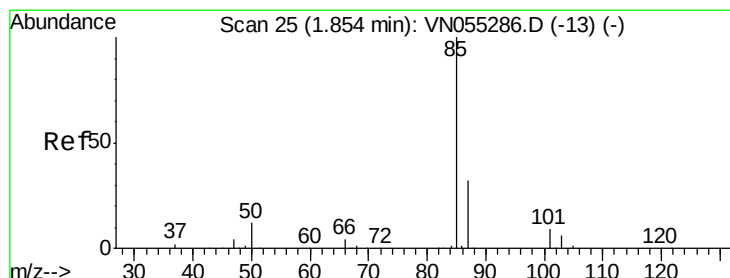
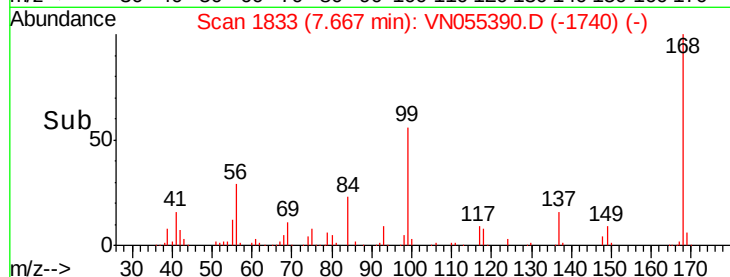
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.796 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055390.D

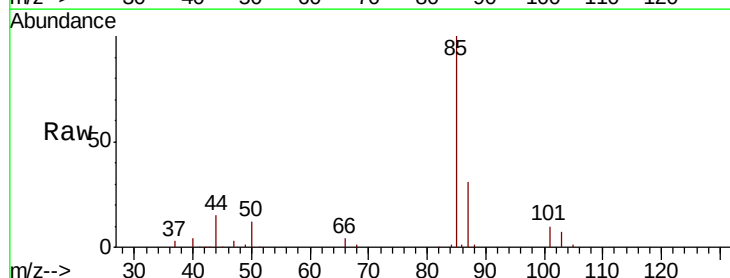
Acq: 3 May 2019 15:22

Tgt Ion: 85 Resp: 93060

Ion Ratio Lower Upper

85 100

87 31.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN055286.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN055286.D (-13) (-)

1.85

60000

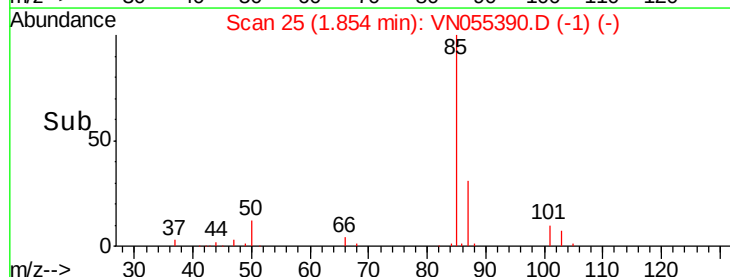
40000

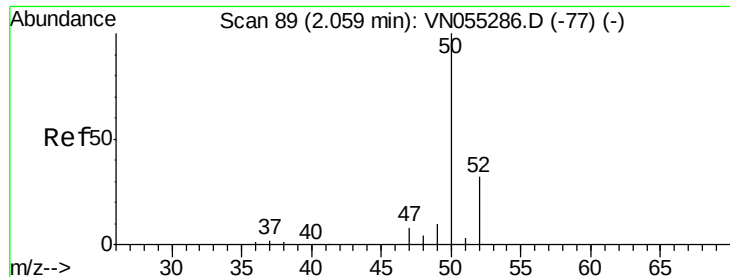
20000

0

1.80 1.85 1.90 1.95

Time-->

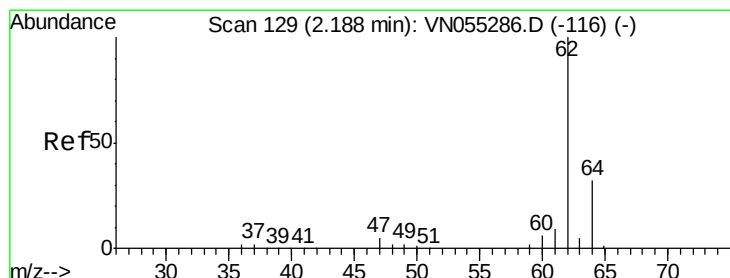
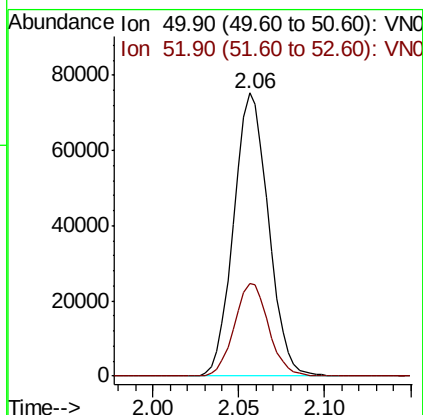
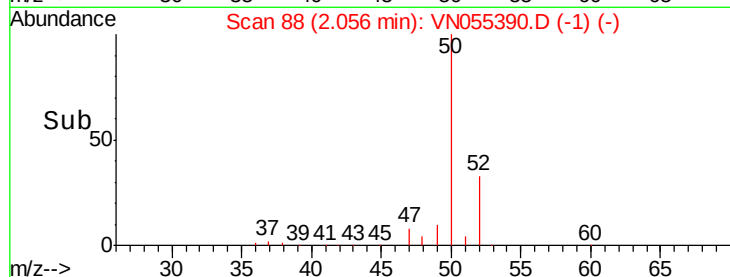
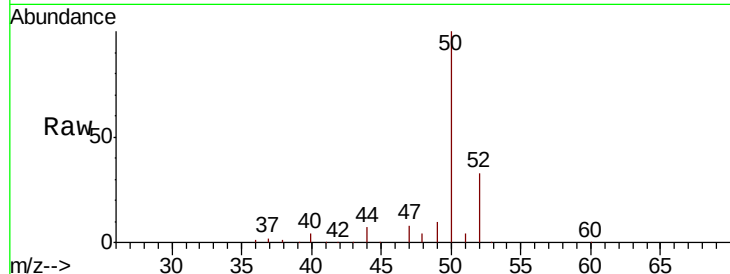




#3
Chloromethane
Concen: 17.340 ug/l
RT: 2.06 min Scan# 88
Delta R.T. -0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

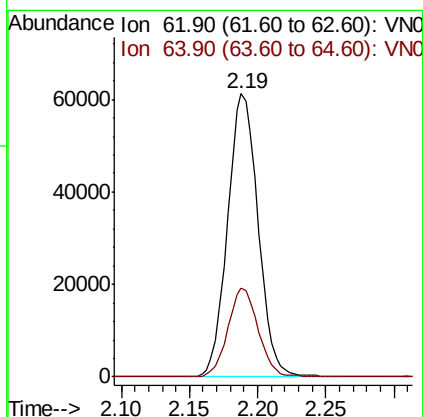
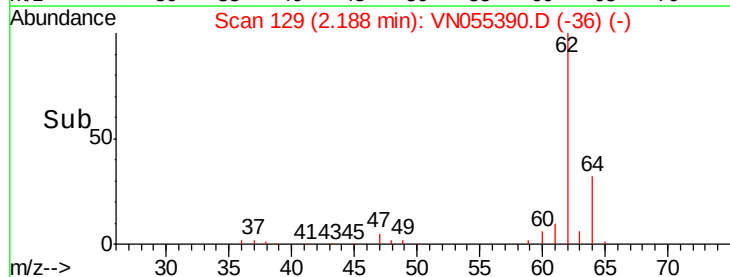
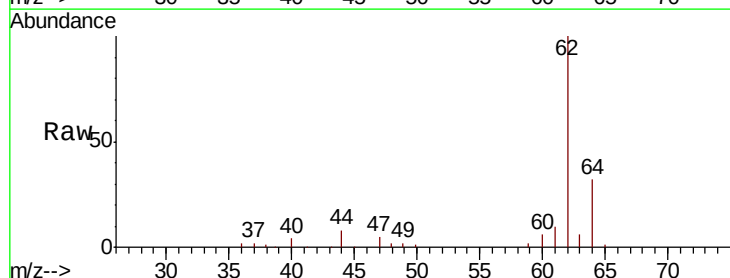
Instrument :
MSVOA_N
ClientSampleId :
VN0503WBSD01

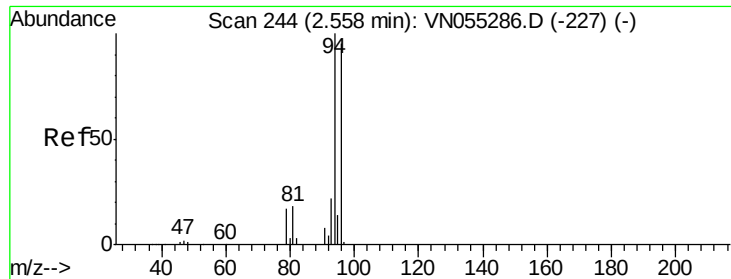
Tot Ion: 50 Resp: 106306
Ion Ratio Lower Upper
50 100
52 32.8 25.7 38.5



#4
Vinyl Chloride
Concen: 19.229 ug/l
RT: 2.19 min Scan# 129
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Tgt Ion: 62 Resp: 95026
Ion Ratio Lower Upper
62 100
64 31.5 25.5 38.3





#5

Bromomethane

Concen: 19.738 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

ClientSampleId :

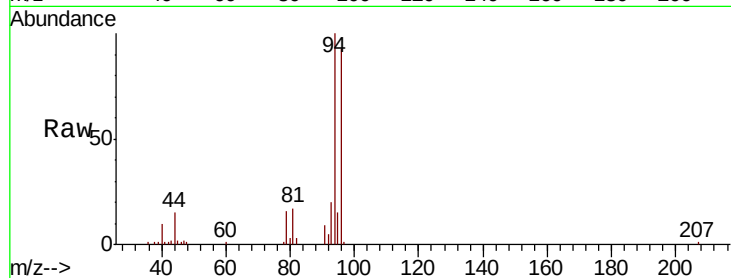
VN0503WBSD01

Tot Ion: 94 Resp: 51667

Ion Ratio Lower Upper

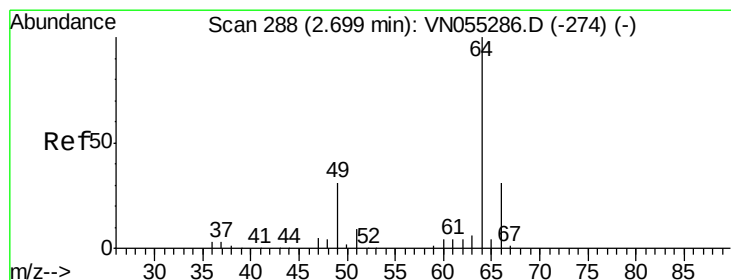
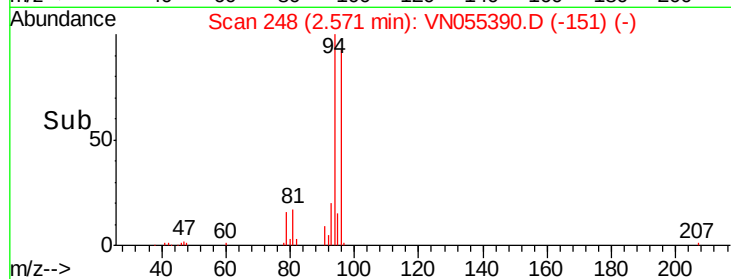
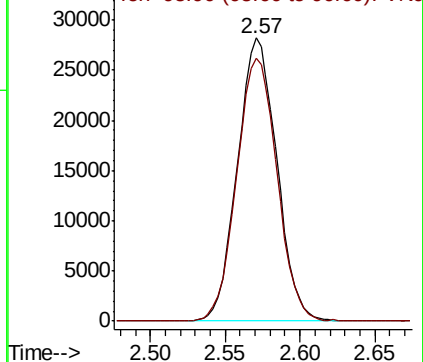
94 100

96 92.9 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.316 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN055390.D

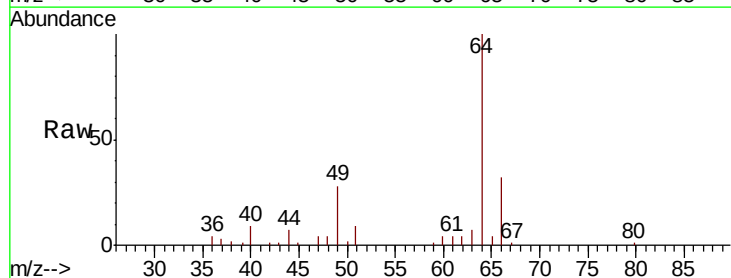
Acq: 3 May 2019 15:22

Tgt Ion: 64 Resp: 54388

Ion Ratio Lower Upper

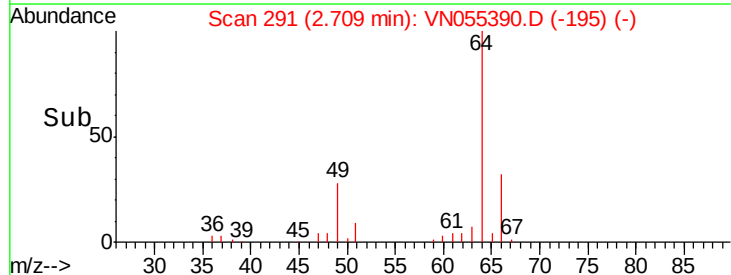
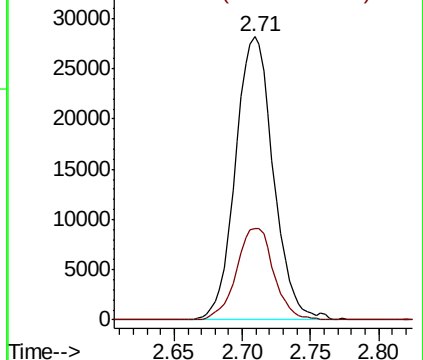
64 100

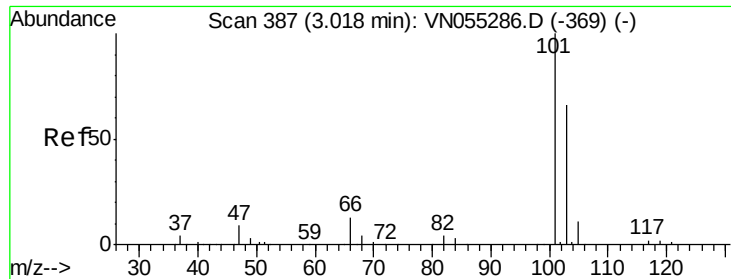
66 32.4 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



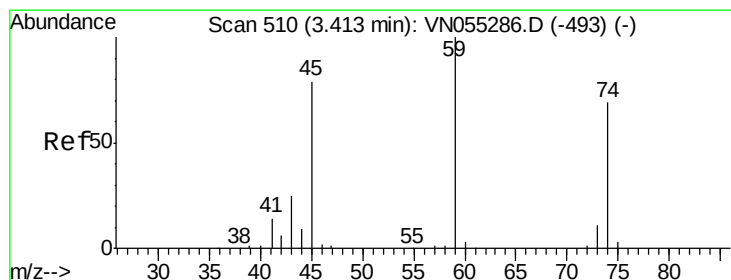
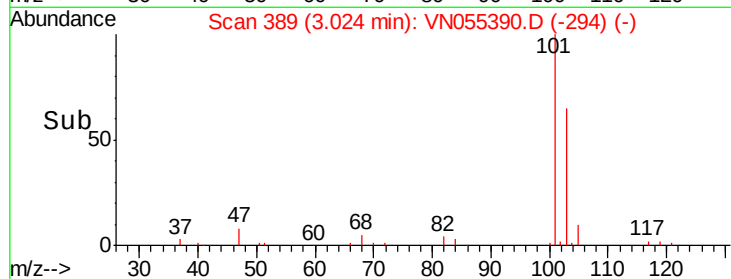
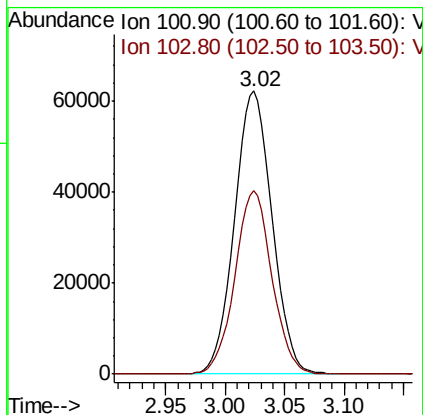
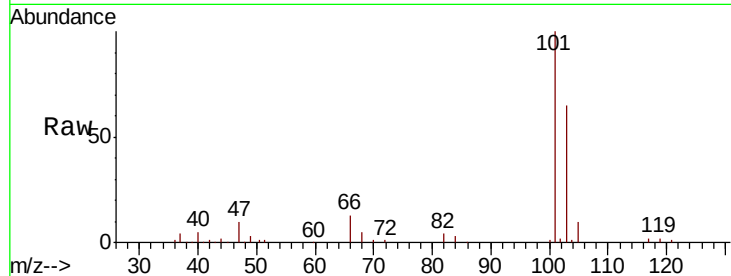


#7

Trichlorofluoromethane
Concen: 19.390 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.01 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Instrument :
MSVOA_N
ClientSampleId :
VN0503WBSD01

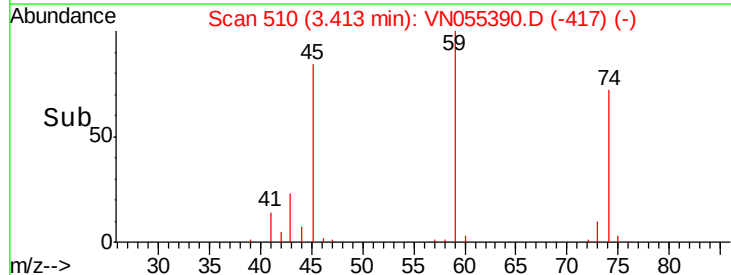
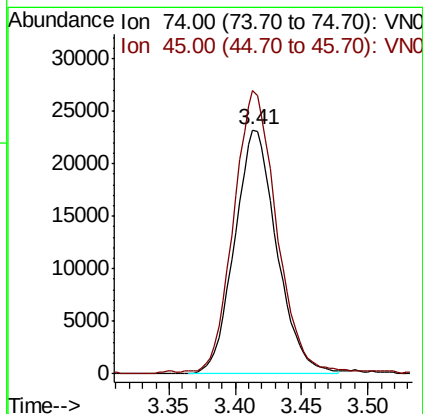
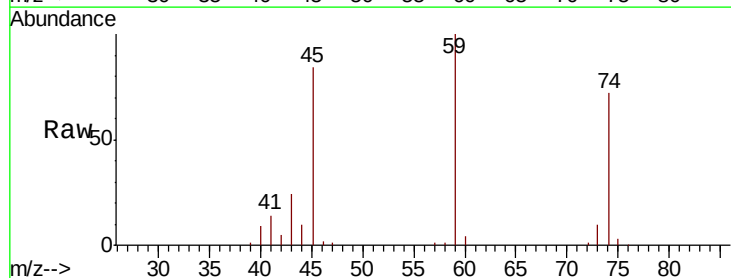
Tot Ion:101 Resp: 136257
Ion Ratio Lower Upper
101 100
103 64.7 52.6 79.0

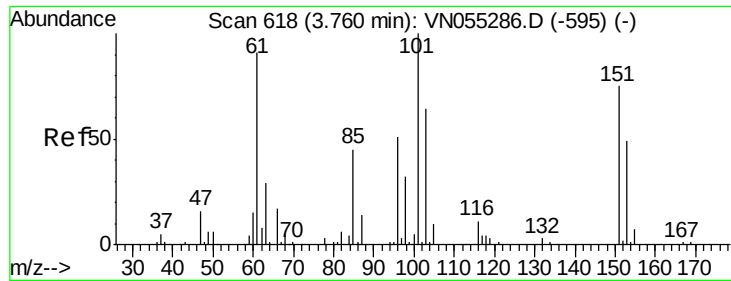


#8

Diethyl Ether
Concen: 20.815 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Tgt Ion: 74 Resp: 51175
Ion Ratio Lower Upper
74 100
45 116.4 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.115 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.01 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

ClientSampled :

VN0503WBSD01

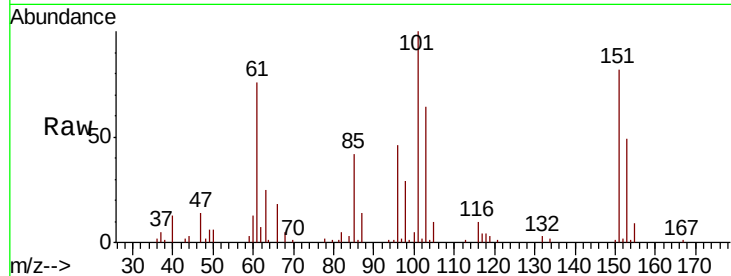
Tot Ion:101 Resp: 79988

Ion Ratio Lower Upper

101 100

85 42.9 35.7 53.5

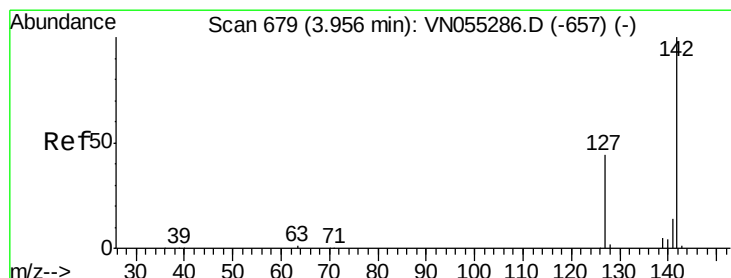
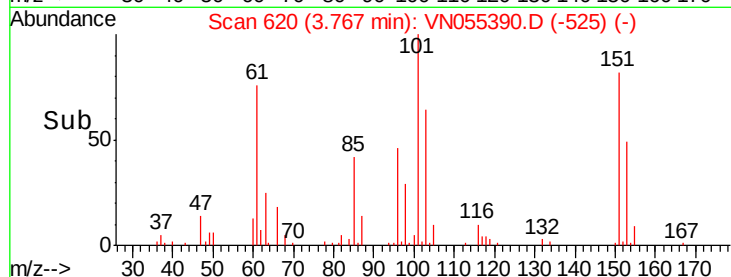
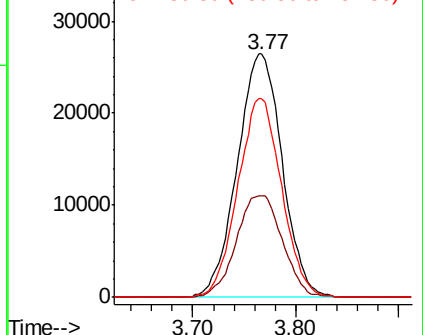
151 79.7 63.3 94.9



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: 18.753 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

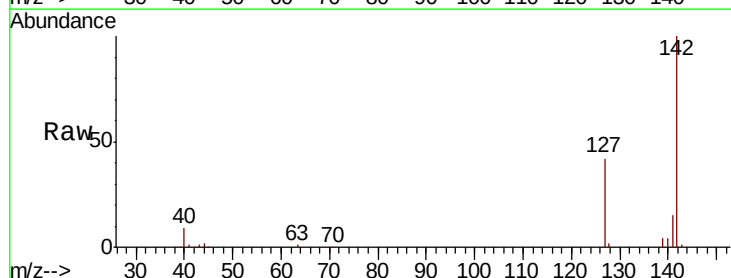
Tgt Ion:142 Resp: 110434

Ion Ratio Lower Upper

142 100

127 41.9 34.4 51.6

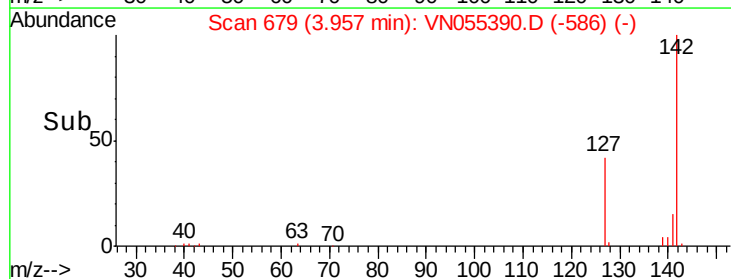
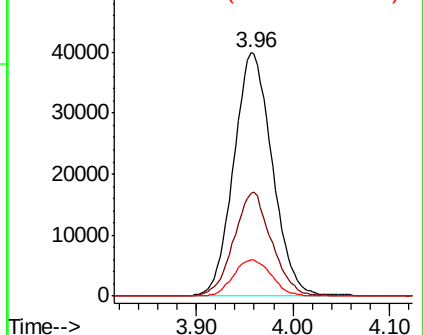
141 14.8 11.5 17.3

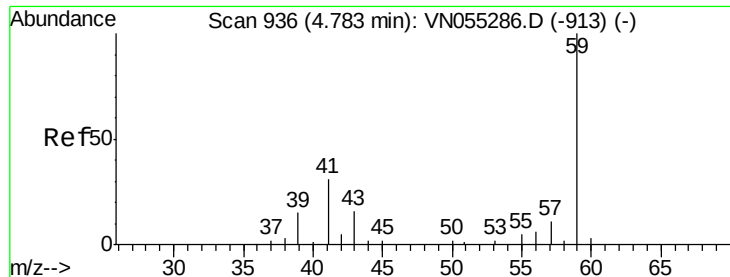


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

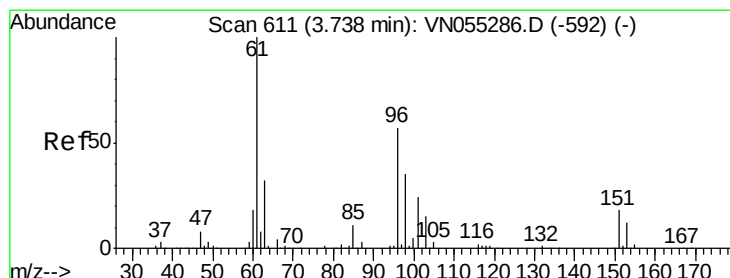
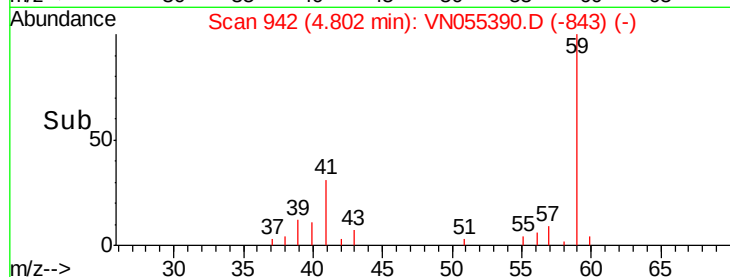
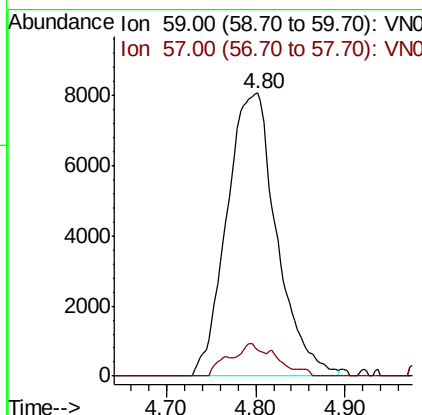
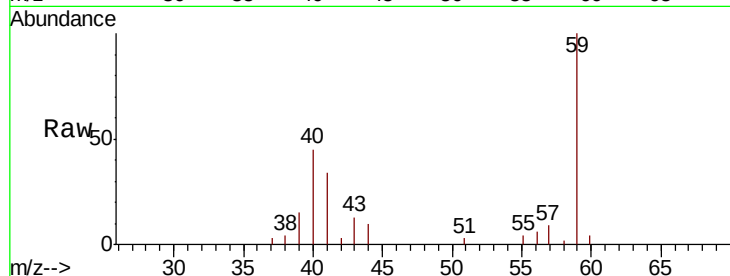




#11
Tert butyl alcohol
Concen: 103.513 ug/l
RT: 4.80 min Scan# 942
Delta R.T. 0.02 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

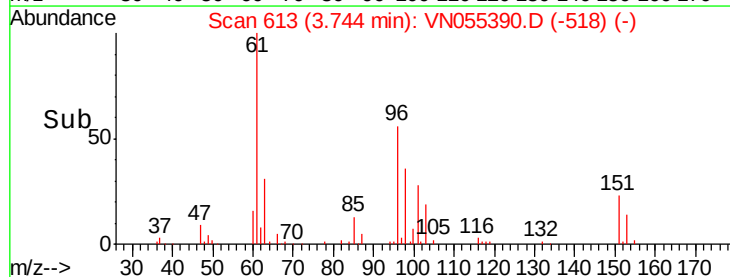
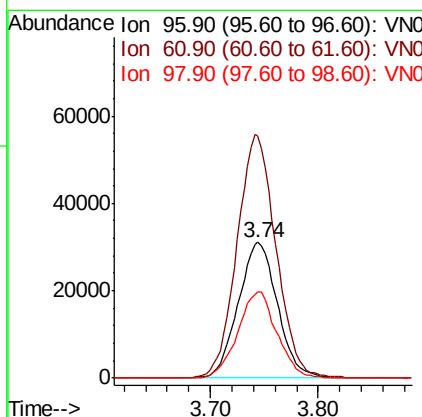
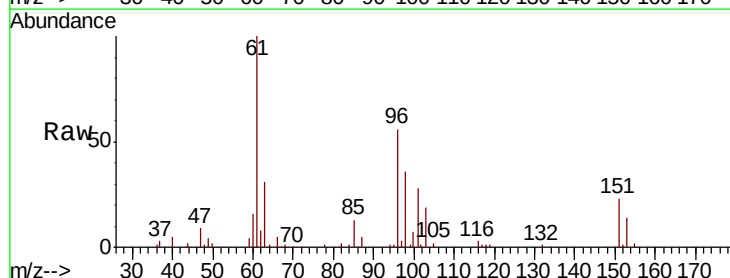
Instrument :
MSVOA_N
ClientSampleId :
VN0503WBSD01

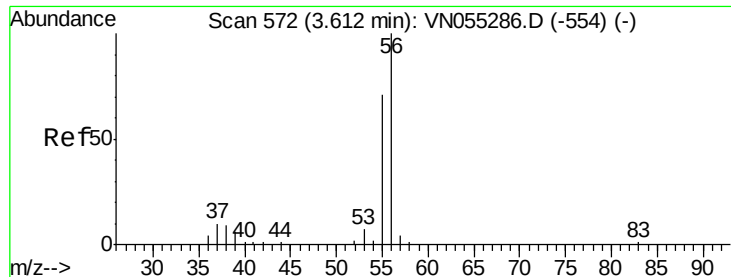
Tot Ion: 59 Resp: 31330
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 19.649 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.01 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Tgt Ion: 96 Resp: 78433
Ion Ratio Lower Upper
96 100
61 177.7 140.9 211.3
98 63.1 50.0 75.0





#13

Acrolein

Concen: 55.591 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

ClientSampleId :

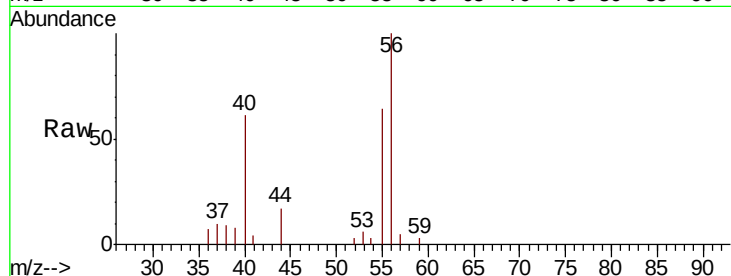
VN0503WBSD01

Tot Ion: 56 Resp: 13140

Ion Ratio Lower Upper

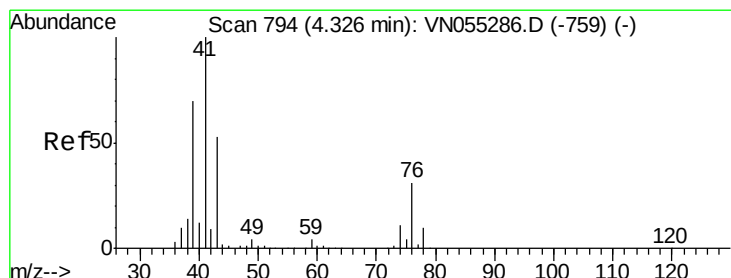
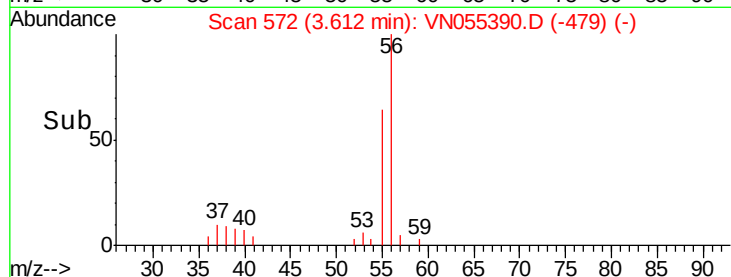
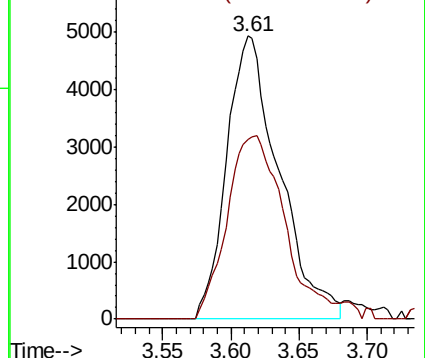
56 100

55 70.9 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.559 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

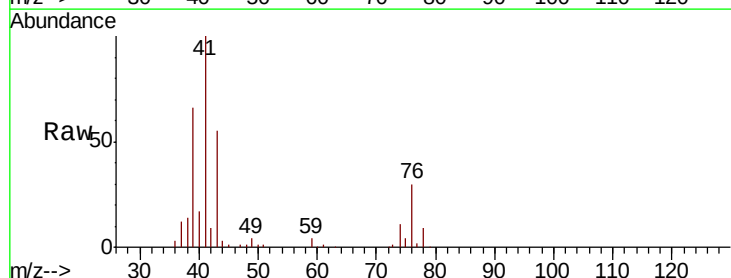
Tgt Ion: 41 Resp: 161706

Ion Ratio Lower Upper

41 100

39 66.0 53.0 79.6

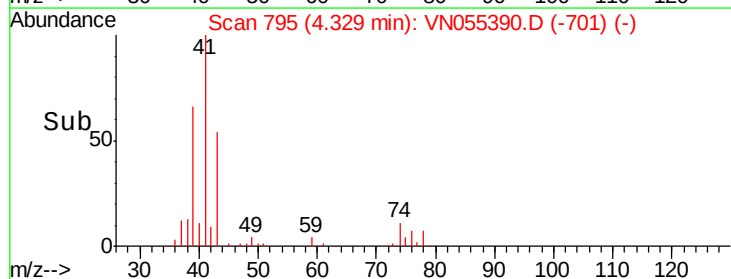
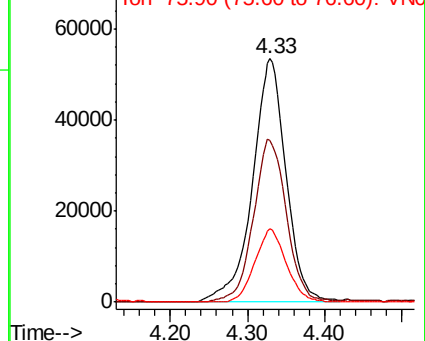
76 28.4 22.7 34.1

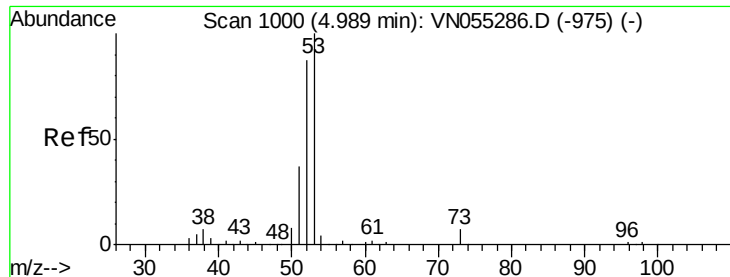


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 102.936 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0503WBSD01

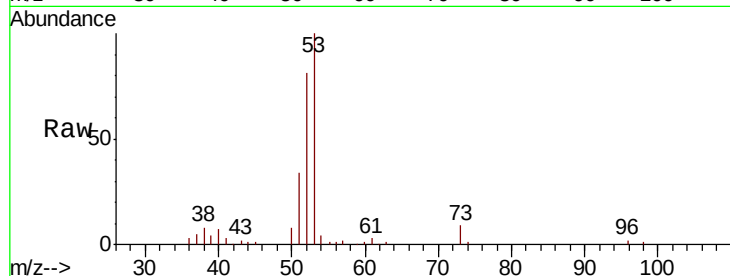
Tot Ion: 53 Resp: 175121

Ion Ratio Lower Upper

53 100

52 81.3 66.5 99.7

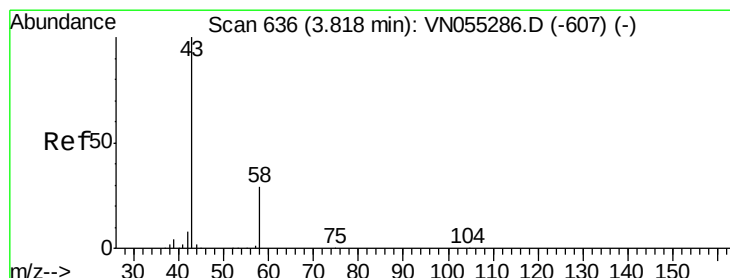
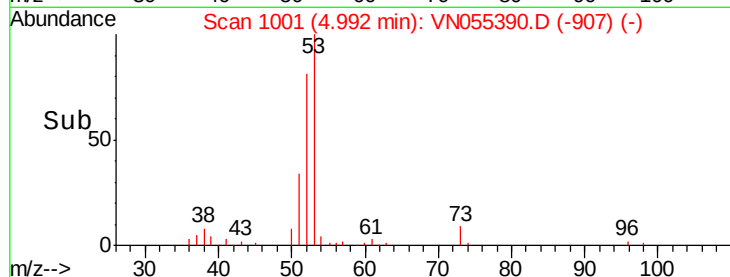
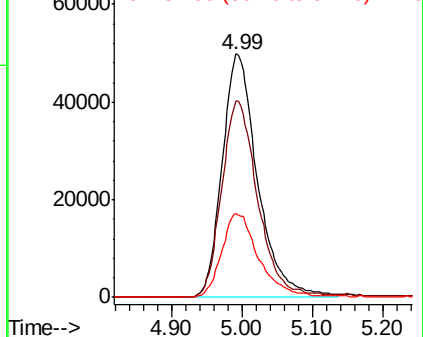
51 35.9 29.6 44.4



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: 82.814 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055390.D

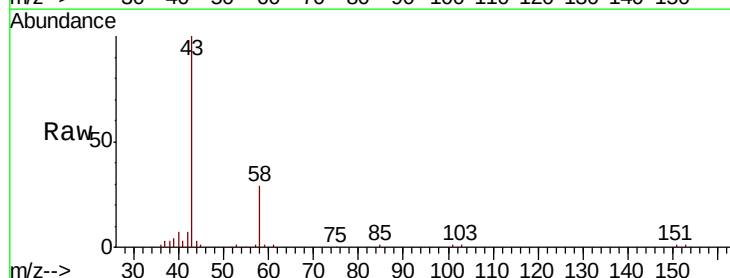
Acq: 3 May 2019 15:22

Tgt Ion: 43 Resp: 136412

Ion Ratio Lower Upper

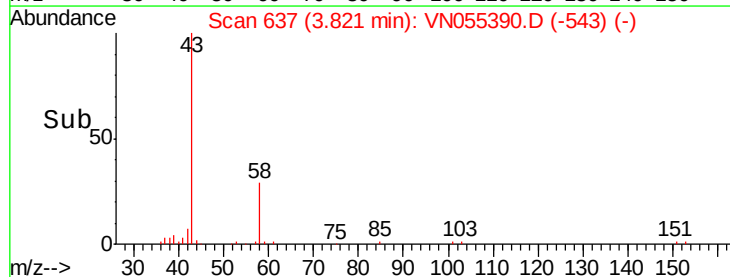
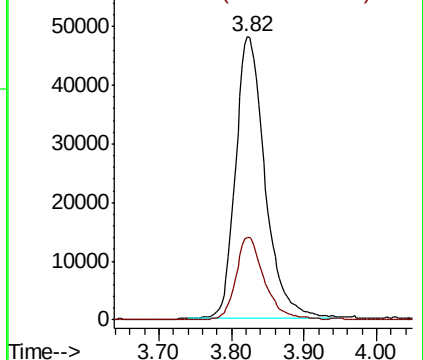
43 100

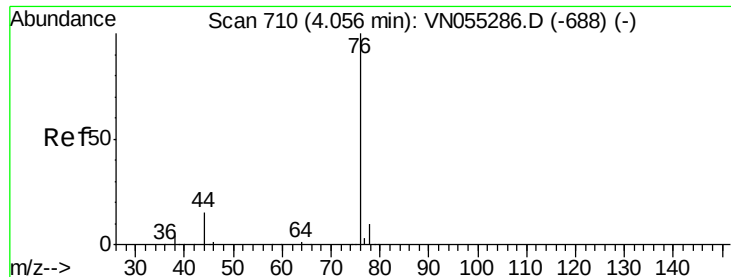
58 29.4 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 16.713 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

ClientSampleId :

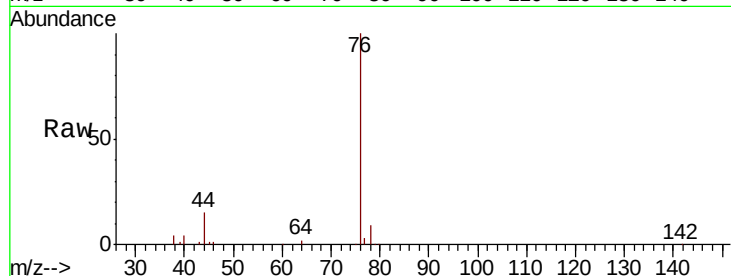
VN0503WBSD01

Tot Ion: 76 Resp: 174111

Ion Ratio Lower Upper

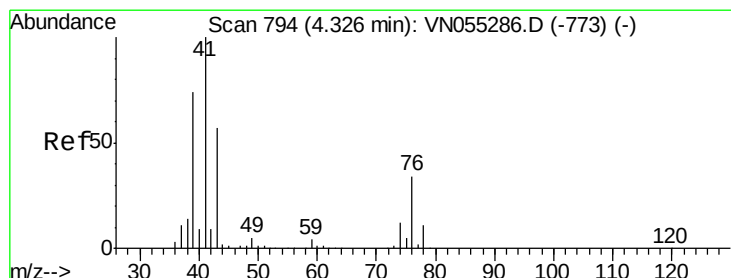
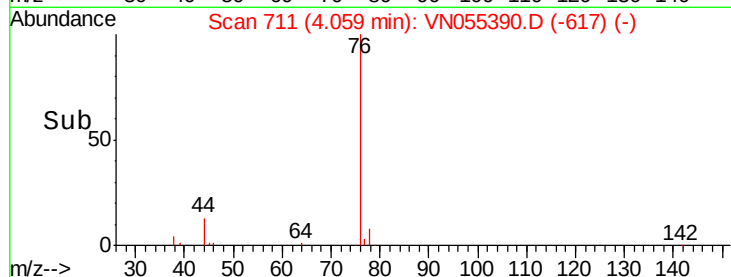
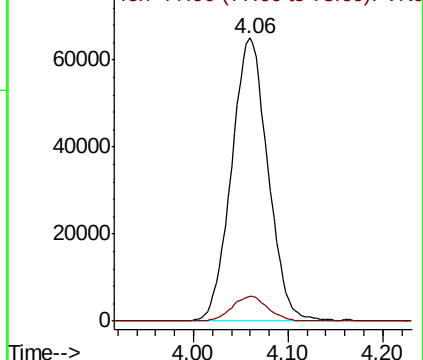
76 100

78 8.8 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 21.180 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN055390.D

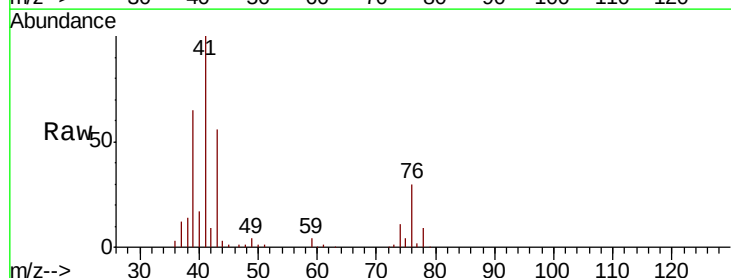
Acq: 3 May 2019 15:22

Tgt Ion: 43 Resp: 87383

Ion Ratio Lower Upper

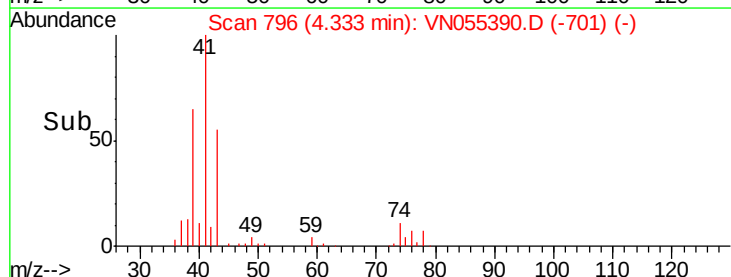
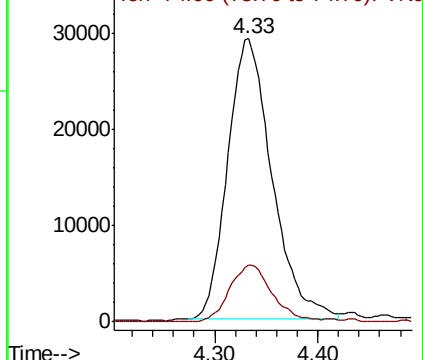
43 100

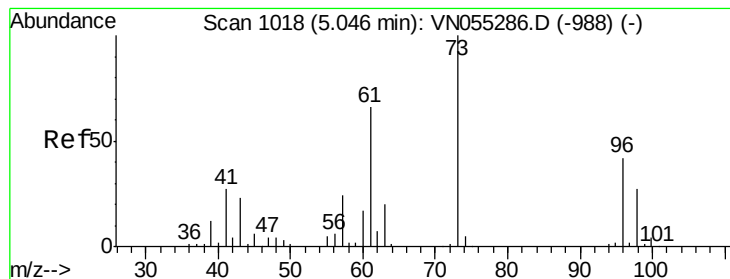
74 19.5 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#19

Methyl tert-butyl Ether

Concen: 21.186 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

ClientSampleID :

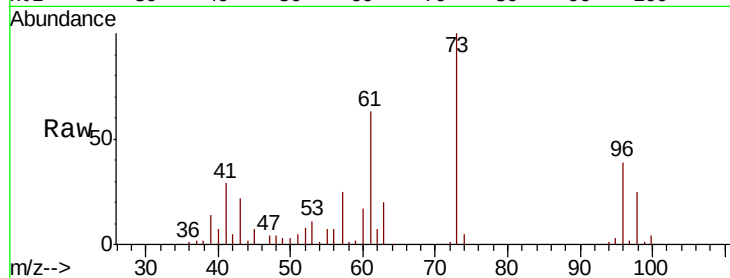
VN0503WBSD01

Tot Ion: 73 Resp: 237751

Ion Ratio Lower Upper

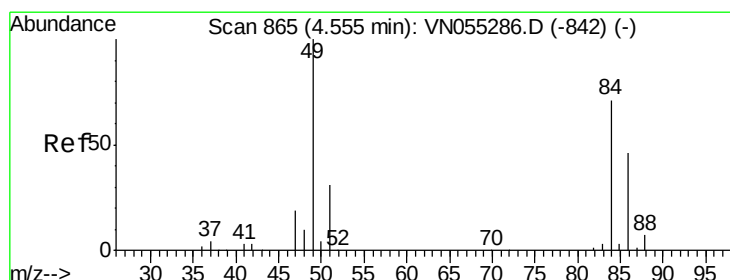
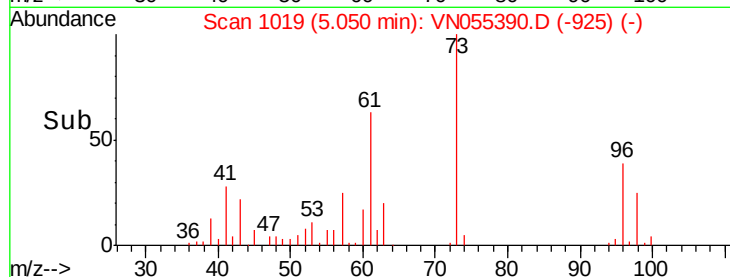
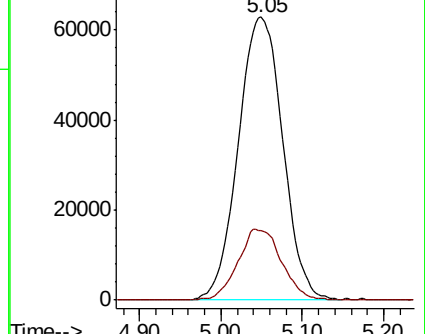
73 100

57 24.6 19.1 28.7



Abundance Ion 73.00 (72.70 to 73.70): VN055286.D (-988) (-)

Ion 57.00 (56.70 to 57.70): VN055286.D (-988) (-)



#20

Methylene Chloride

Concen: 18.502 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Tgt Ion: 84 Resp: 93025

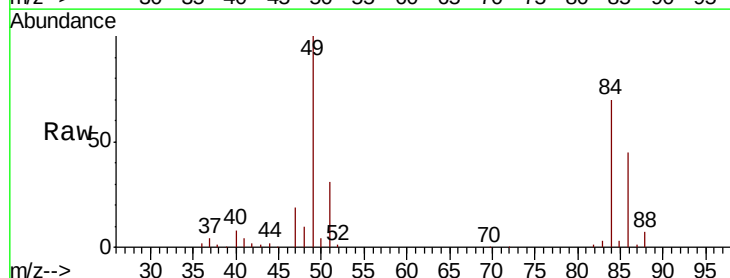
Ion Ratio Lower Upper

84 100

49 142.9 112.4 168.6

51 44.5 34.6 51.8

86 63.8 51.9 77.9

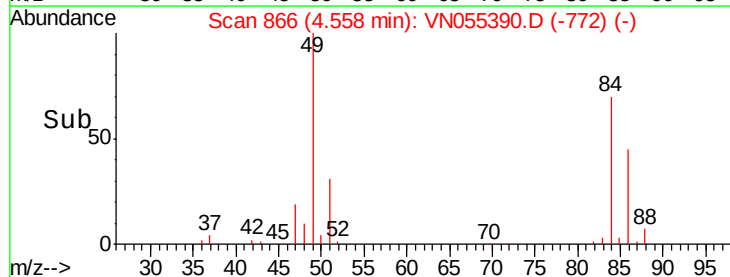
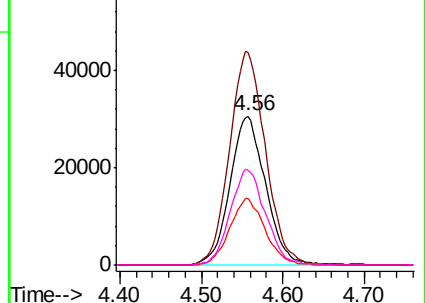


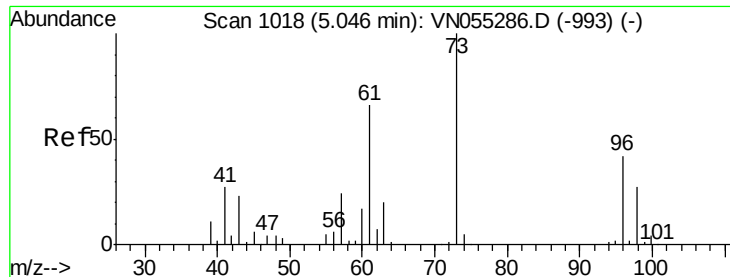
Abundance Ion 83.90 (83.60 to 84.60): VN055286.D (-842) (-)

Ion 48.90 (48.60 to 49.60): VN055286.D (-842) (-)

Ion 50.90 (50.60 to 51.60): VN055286.D (-842) (-)

Ion 85.90 (85.60 to 86.60): VN055286.D (-842) (-)

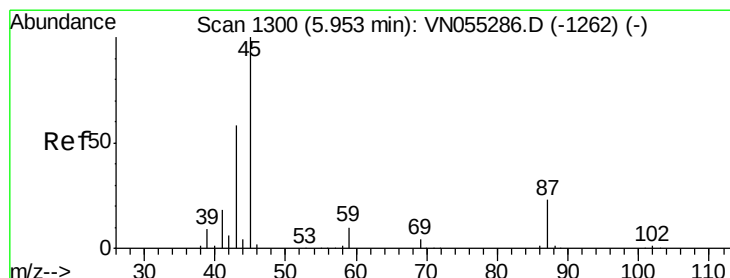
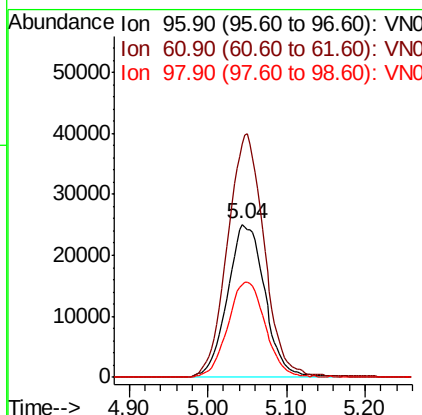
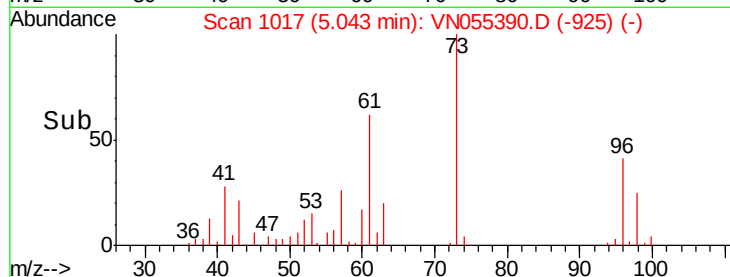
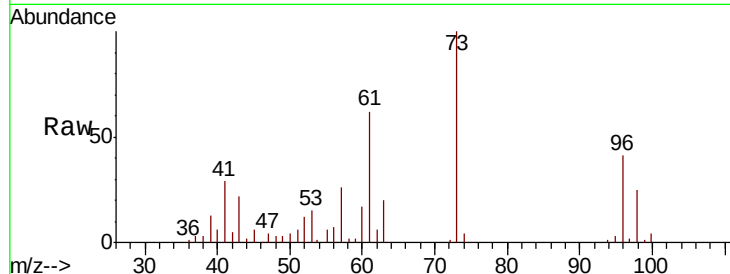




#21
trans-1,2-Dichloroethene
Concen: 19.576 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

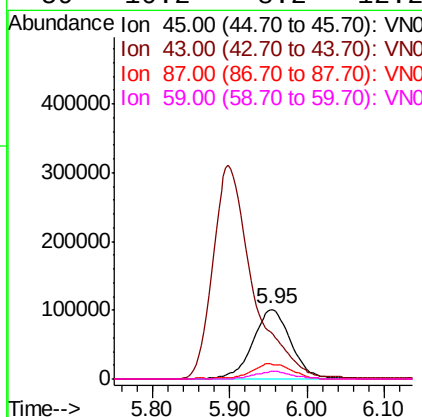
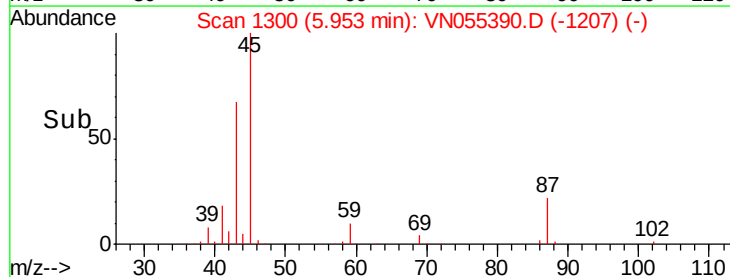
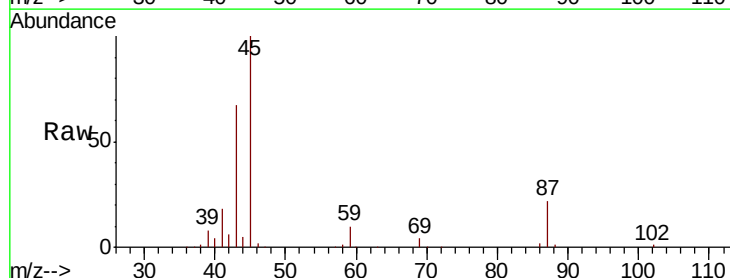
Instrument :
MSVOA_N
ClientSampleId :
VN0503WBSD01

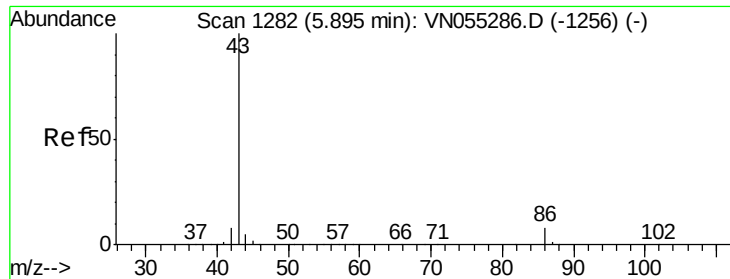
Tot Ion: 96 Resp: 82759
Ion Ratio Lower Upper
96 100
61 152.2 126.2 189.4
98 60.7 52.2 78.2



#22
Diisopropyl ether
Concen: 21.021 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Tgt Ion: 45 Resp: 345307
Ion Ratio Lower Upper
45 100
43 64.2 46.6 70.0
87 21.3 18.1 27.1
59 10.2 8.2 12.2

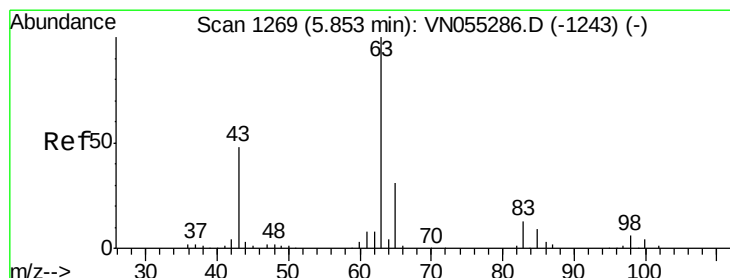
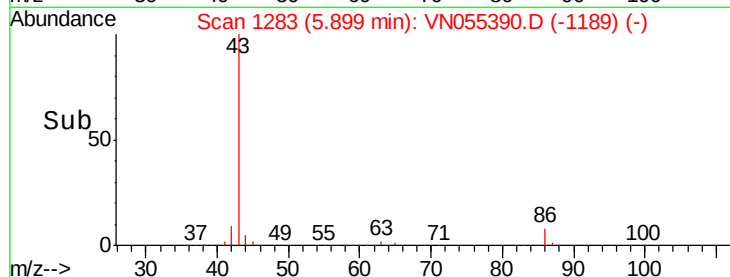
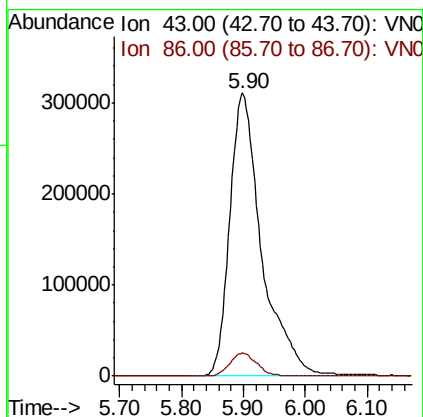
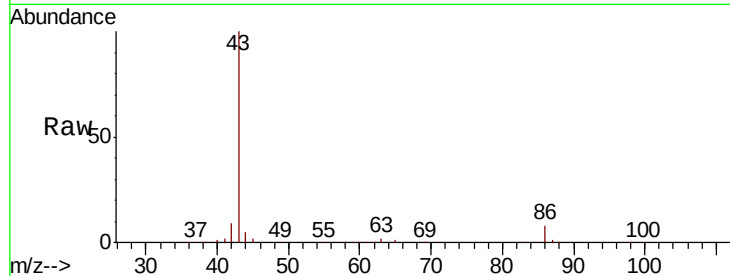




#23
 Vinyl Acetate
 Concen: 103.365 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

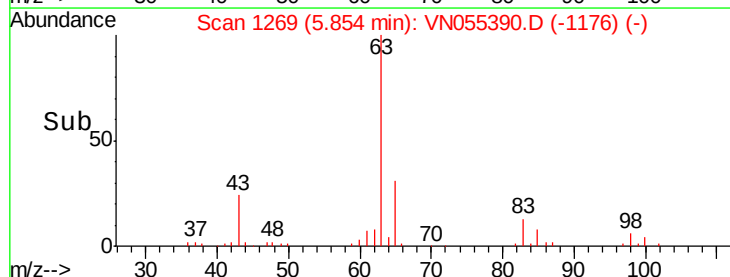
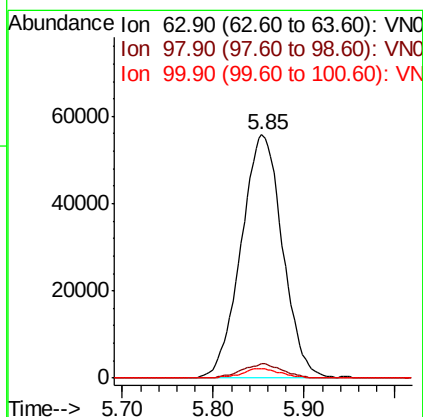
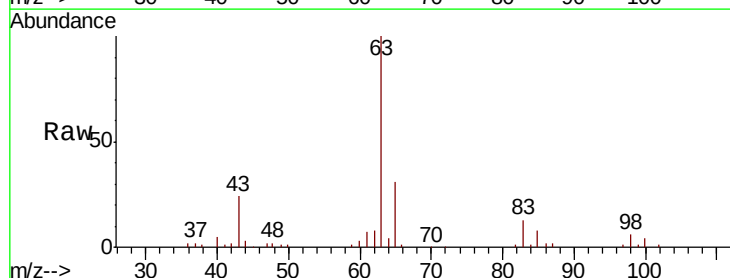
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503WBSD01

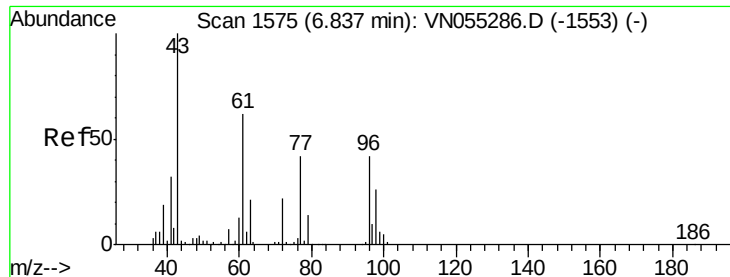
Tot Ion: 43 Resp: 1112815
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.6 10.0



#24
 1,1-Dichloroethane
 Concen: 20.129 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

Tgt Ion: 63 Resp: 176170
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.0 9.0
 100 3.9 1.8 5.4





#25

2-Butanone

Concen: 96.579 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

ClientSampleId :

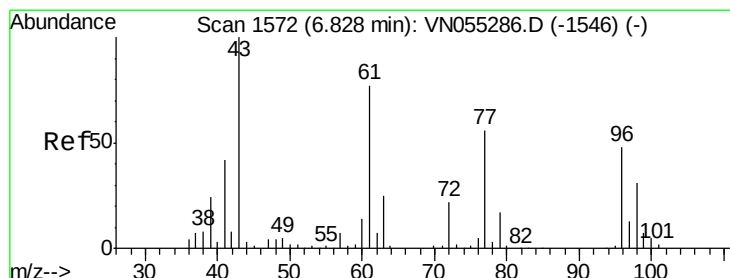
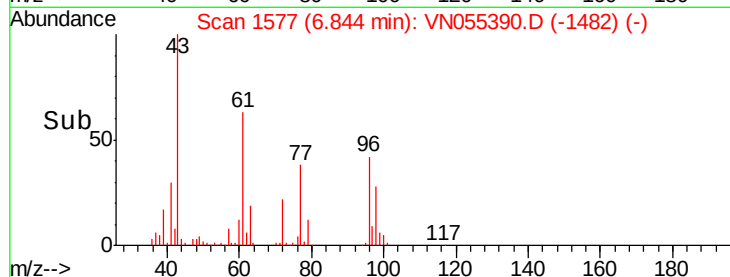
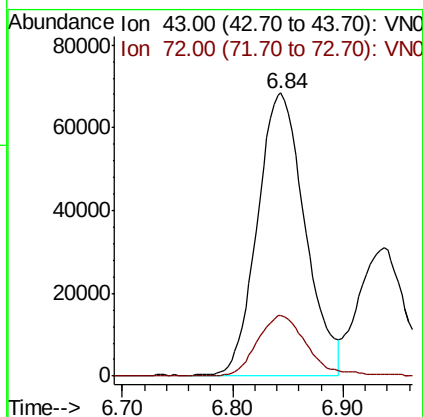
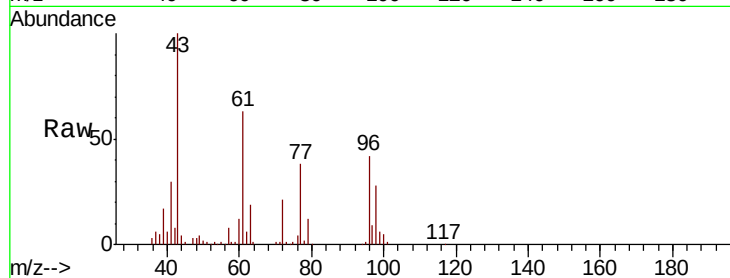
VN0503WBSD01

Tot Ion: 43 Resp: 203450

Ion Ratio Lower Upper

43 100

72 21.5 18.0 27.0



#26

2,2-Dichloropropane

Concen: 18.246 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055390.D

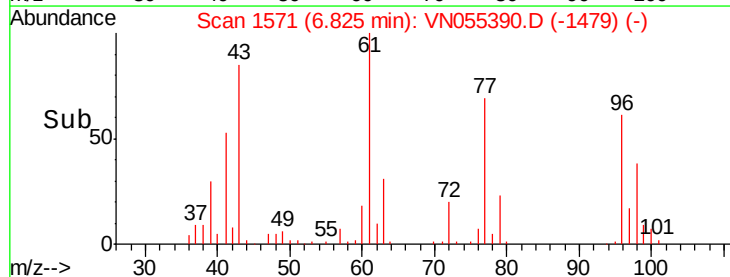
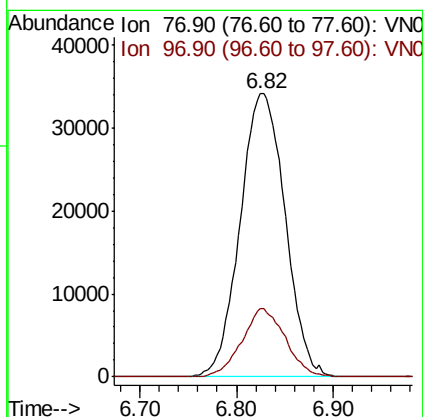
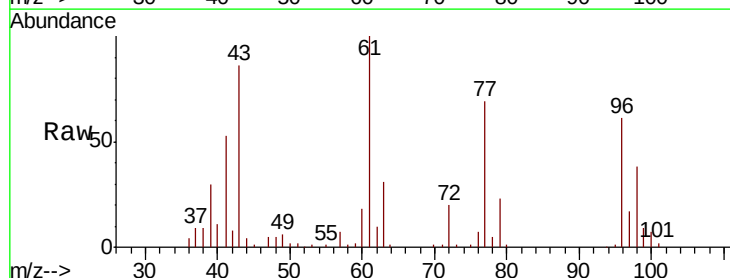
Acq: 3 May 2019 15:22

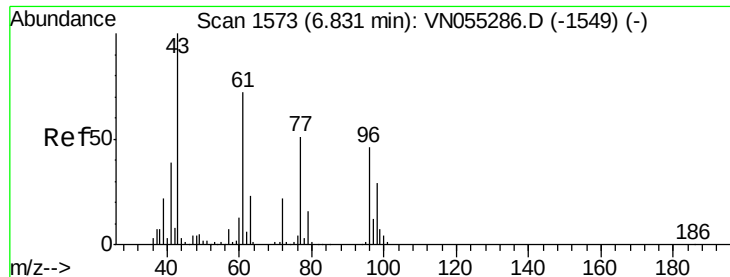
Tgt Ion: 77 Resp: 110276

Ion Ratio Lower Upper

77 100

97 23.2 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 20.547 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0503WBSD01

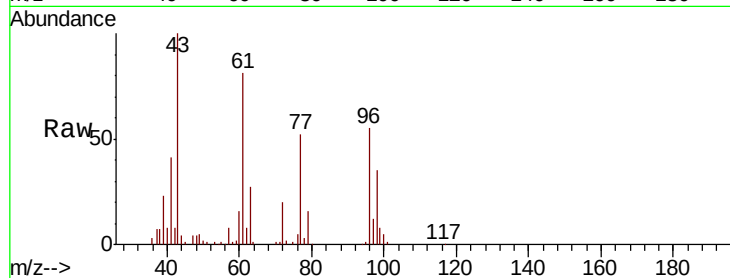
Tot Ion: 96 Resp: 98781

Ion Ratio Lower Upper

96 100

61 158.8 0.0 316.2

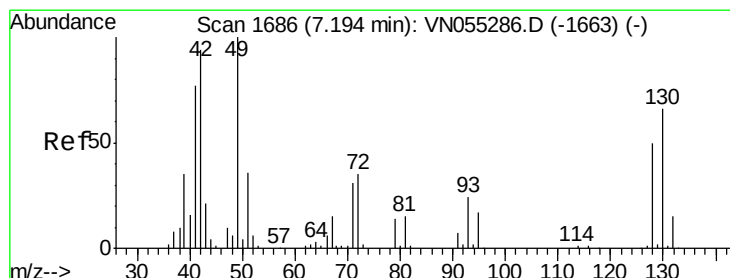
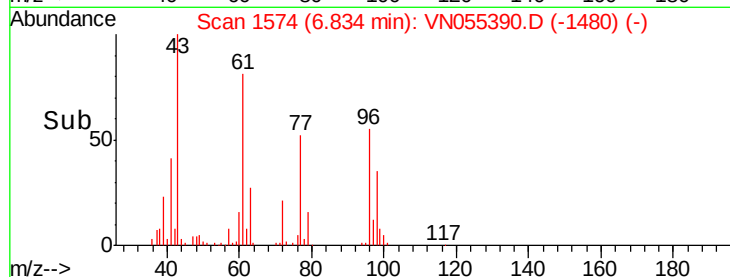
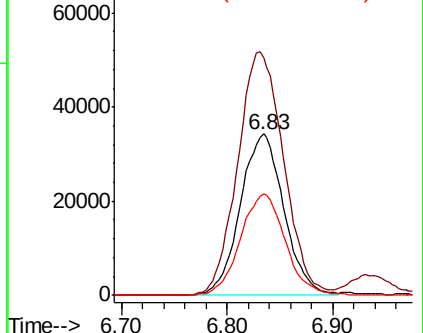
98 64.7 0.0 126.6



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: 20.129 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

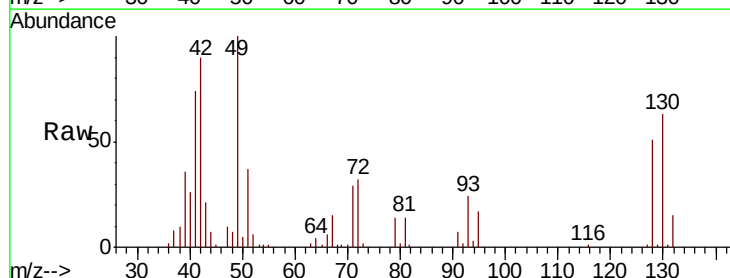
Tgt Ion: 49 Resp: 88801

Ion Ratio Lower Upper

49 100

129 1.6 0.0 2.4

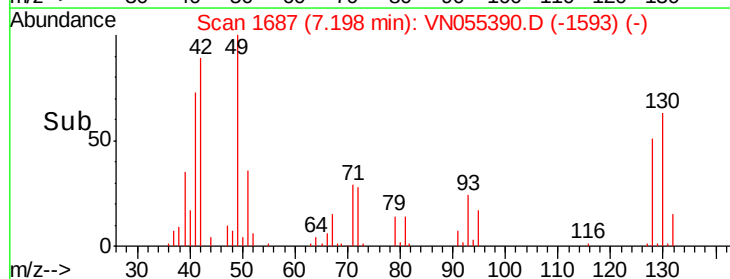
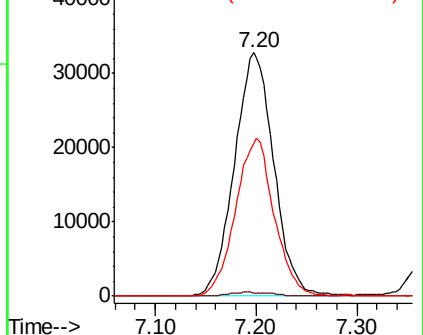
130 63.3 52.0 78.0

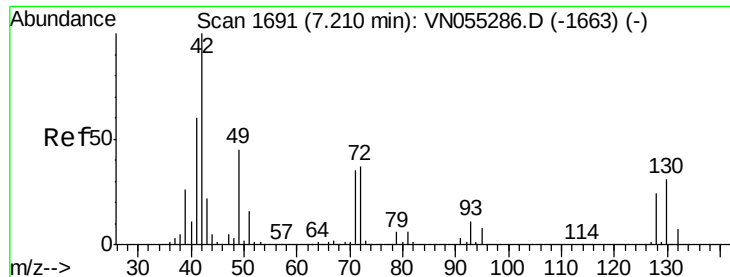


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

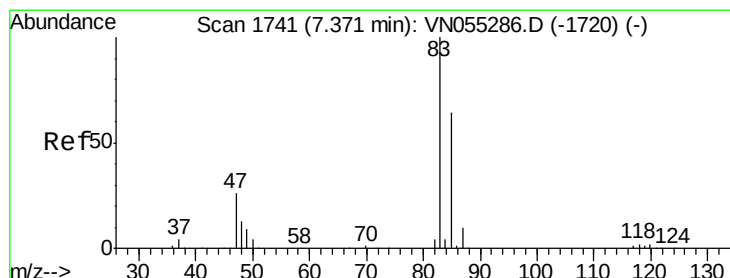
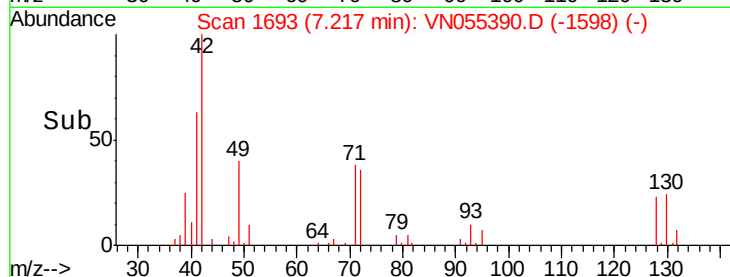
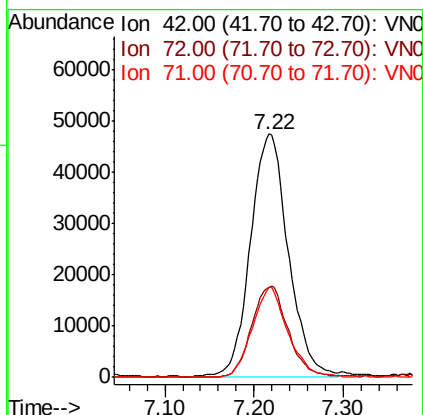
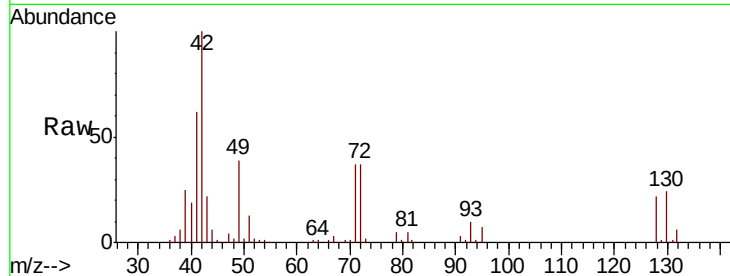




#29
Tetrahydrofuran
Concen: 104.655 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

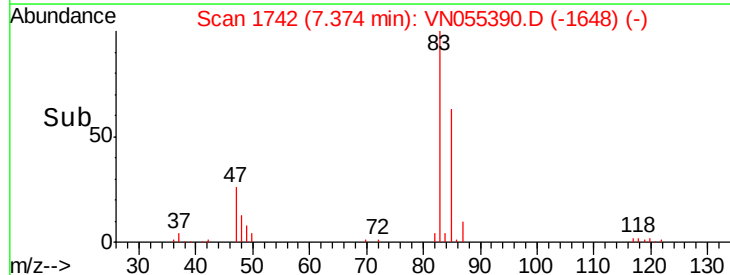
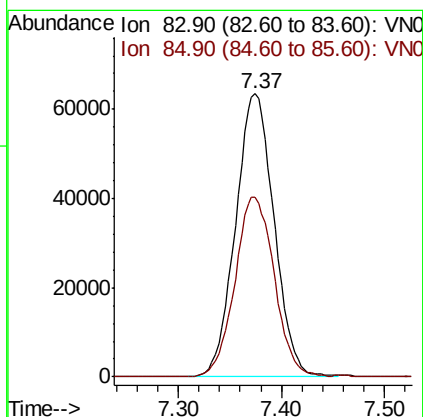
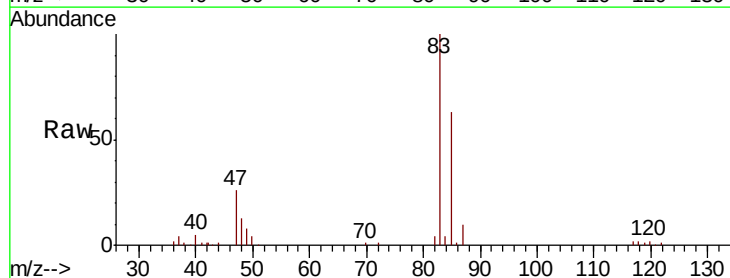
Instrument :
MSVOA_N
ClientSampleId :
VN0503WBSD01

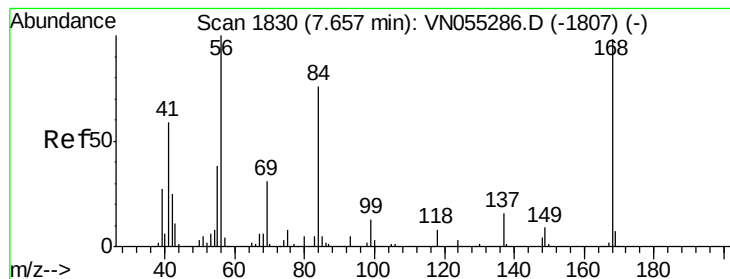
Tot Ion: 42 Resp: 141168
Ion Ratio Lower Upper
42 100
72 35.9 29.0 43.6
71 34.8 27.1 40.7



#30
Chloroform
Concen: 19.860 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Tgt Ion: 83 Resp: 164776
Ion Ratio Lower Upper
83 100
85 63.4 51.4 77.2





#31

Cyclohexane

Concen: 19.007 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

ClientSampleID :

VN0503WBSD01

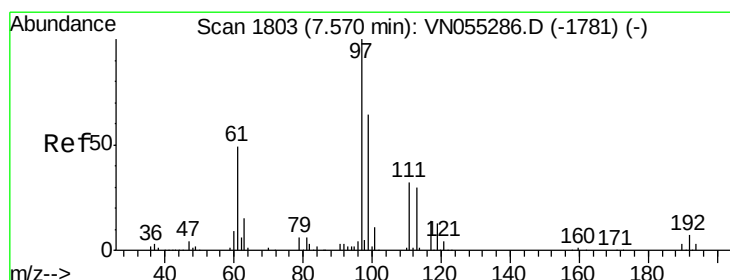
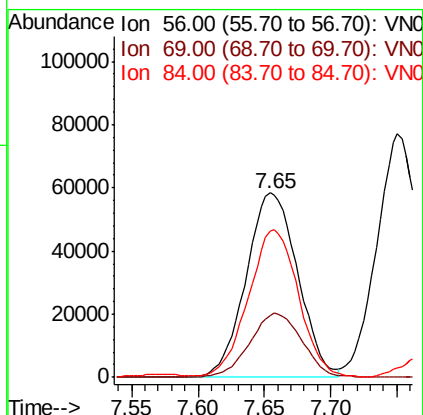
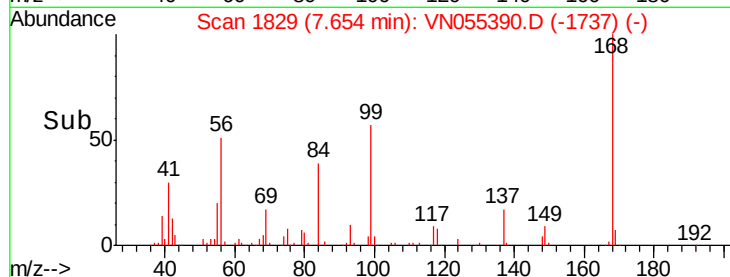
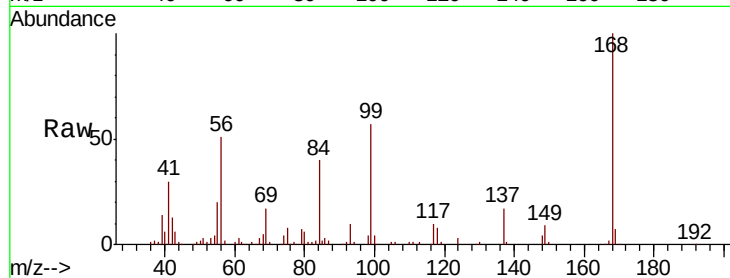
Tot Ion: 56 Resp: 158052

Ion Ratio Lower Upper

56 100

69 33.9 25.2 37.8

84 78.9 61.1 91.7



#32

1,1,1-Trichloroethane

Concen: 19.724 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

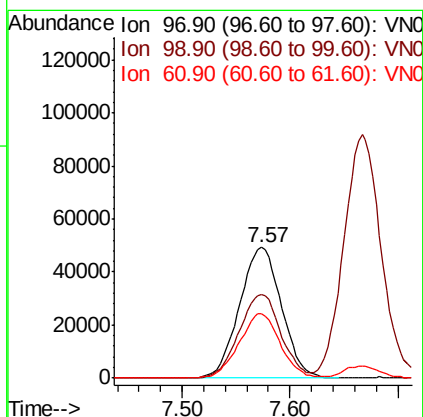
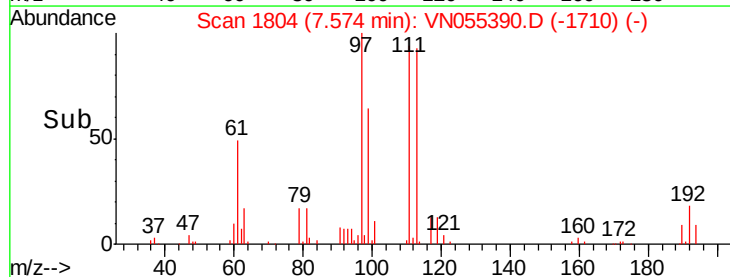
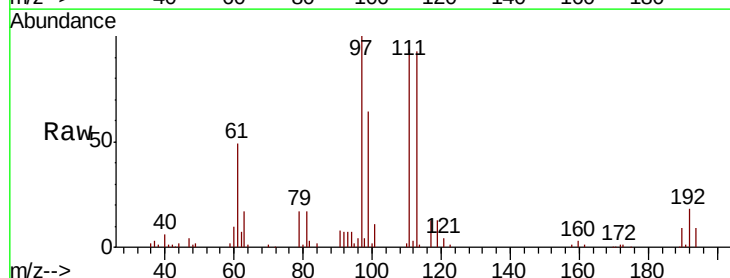
Tgt Ion: 97 Resp: 132813

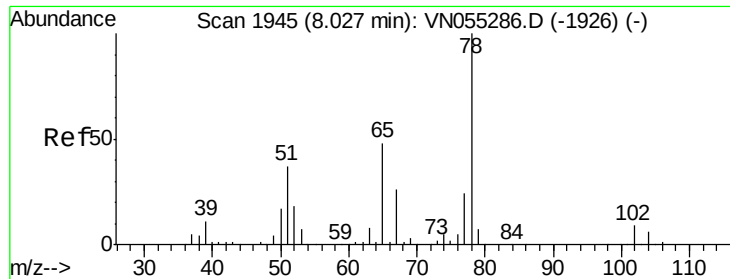
Ion Ratio Lower Upper

97 100

99 63.9 51.8 77.8

61 48.4 39.0 58.6





#33

1,2-Dichloroethane-d4

Concen: 50.515 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

ClientSampleId :

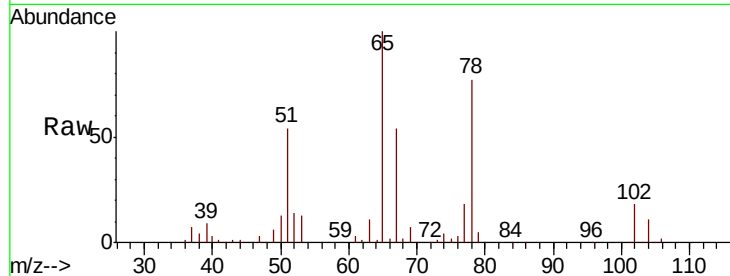
VN0503WBSD01

Tot Ion: 65 Resp: 267047

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VN055286.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN055286.D (-1926) (-)

8.03

120000

100000

80000

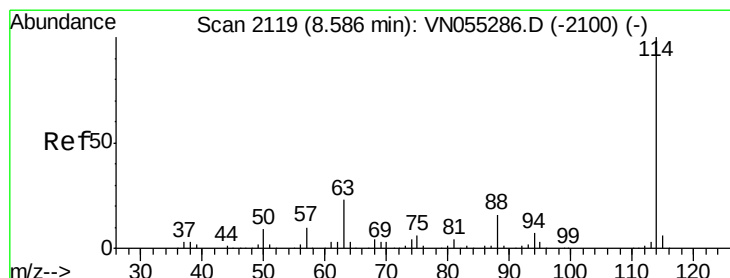
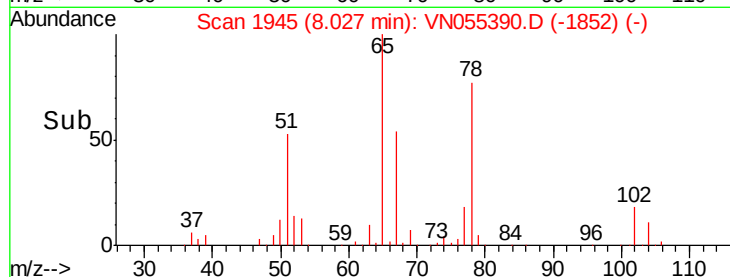
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

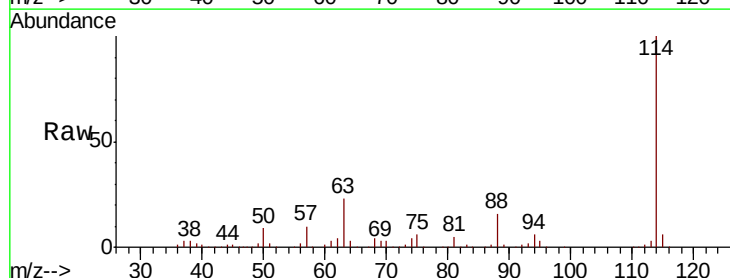
Tgt Ion: 114 Resp: 646533

Ion Ratio Lower Upper

114 100

63 23.4 0.0 45.2

88 16.2 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN055286.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN055286.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN055286.D (-2100) (-)

8.59

400000

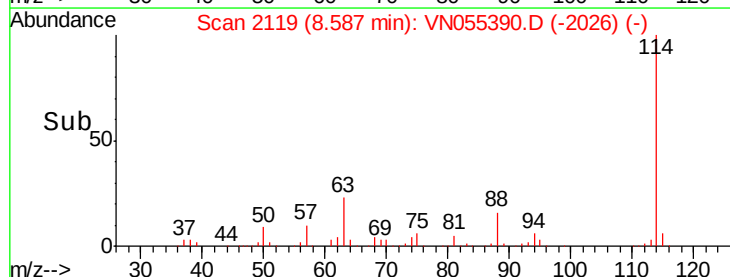
300000

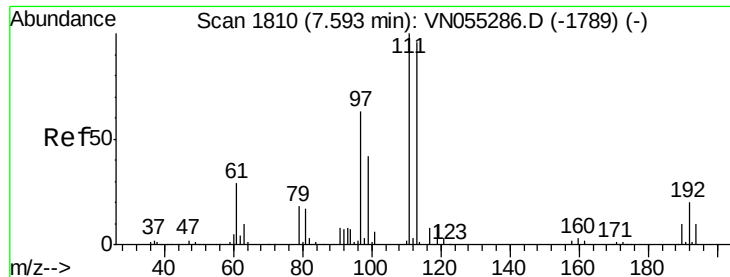
200000

100000

0

Time-->

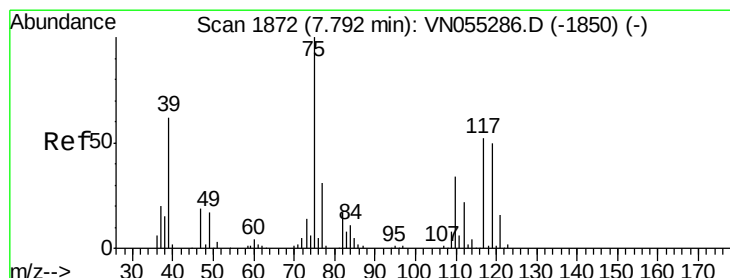
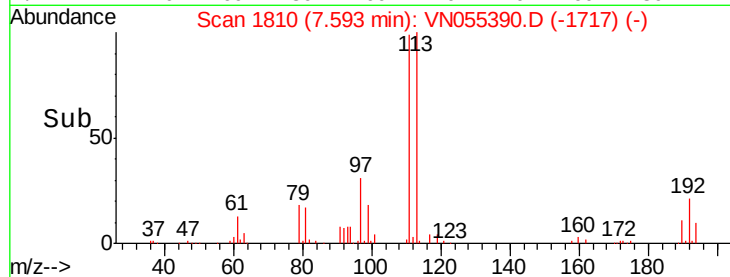
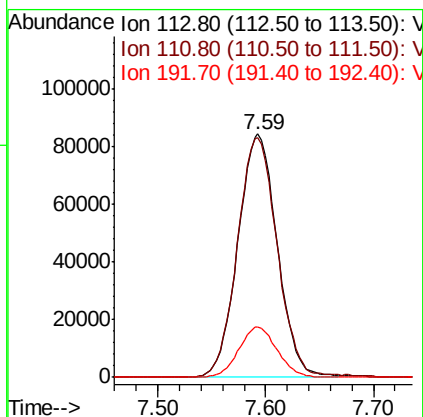
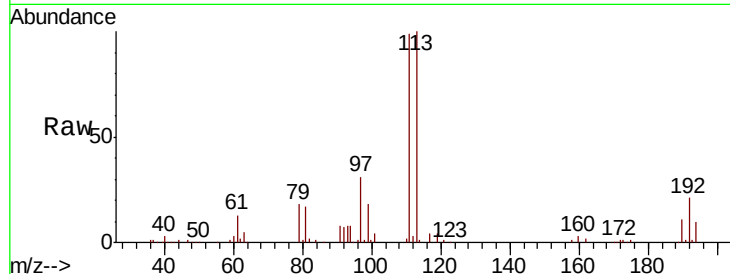




#35
 Dibromofluoromethane
 Concen: 50.417 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

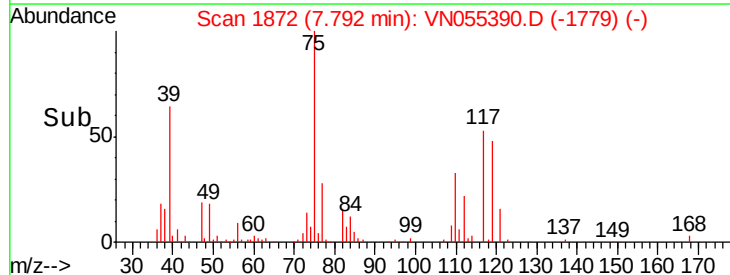
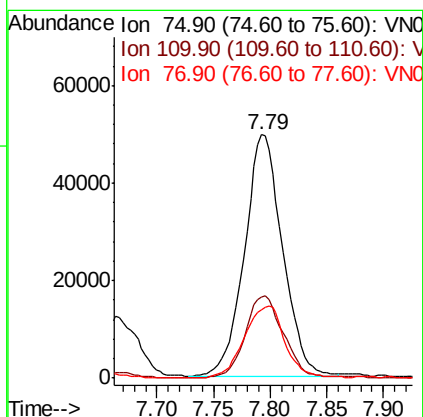
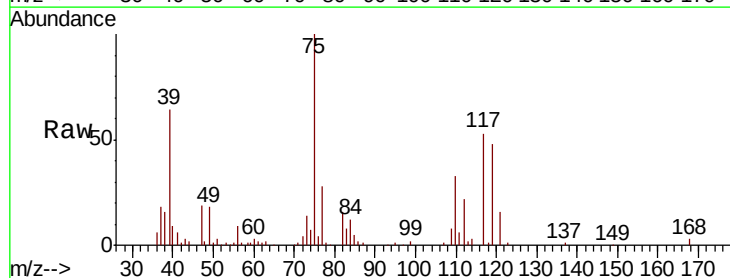
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503WBSD01

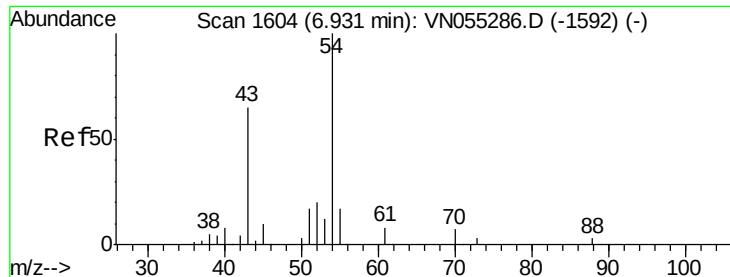
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.3	82.3	123.5
192	20.0	17.0	25.6



#36
 1,1-Dichloropropene
 Concen: 18.739 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.1	16.8	50.4
77	32.0	25.0	37.6

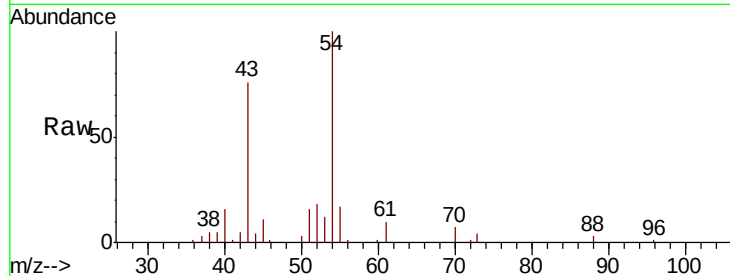




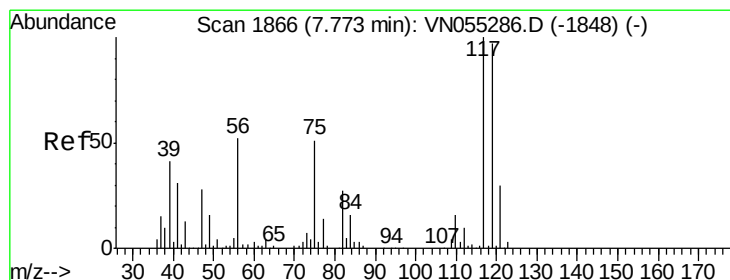
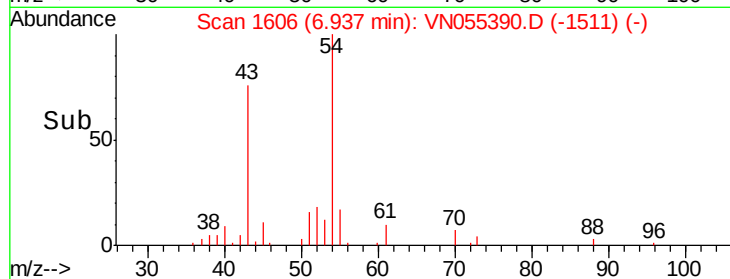
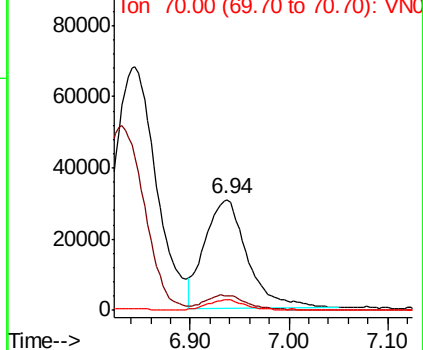
#37
Ethyl Acetate
Concen: 19.347 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Instrument :
MSVOA_N
ClientSampleId :
VN0503WBSD01

Tot Ion: 43 Resp: 91825
Ion Ratio Lower Upper
43 100
61 12.9 10.4 15.6
70 8.6 6.6 10.0

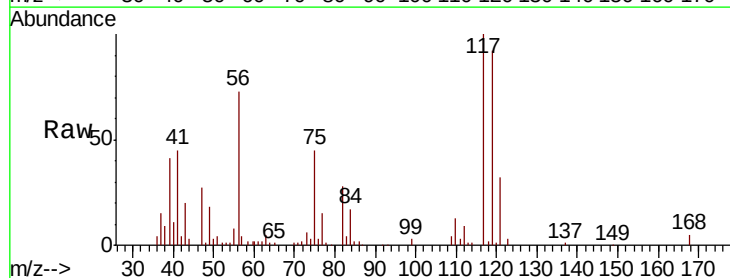


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

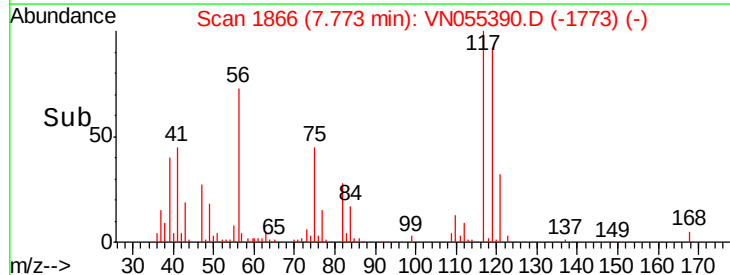
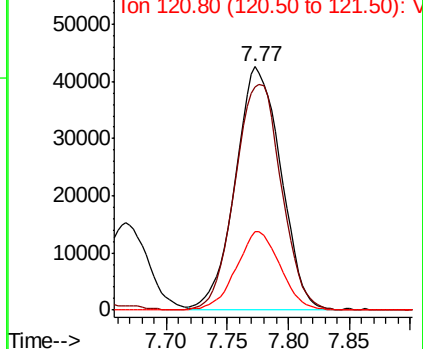


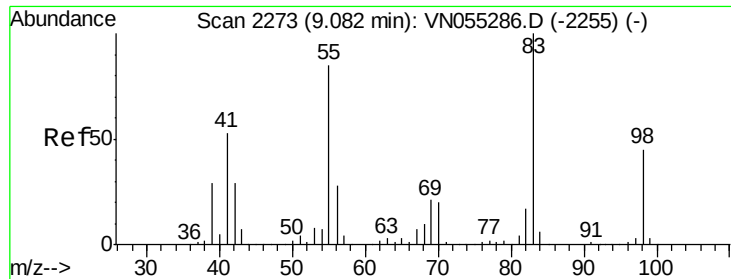
#38
Carbon Tetrachloride
Concen: 18.297 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Tgt Ion: 117 Resp: 109302
Ion Ratio Lower Upper
117 100
119 92.2 77.0 115.6
121 32.1 23.8 35.8



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

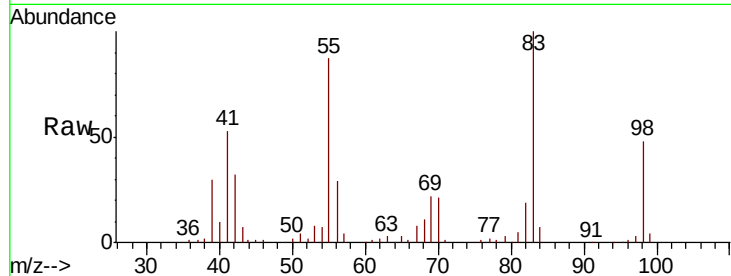




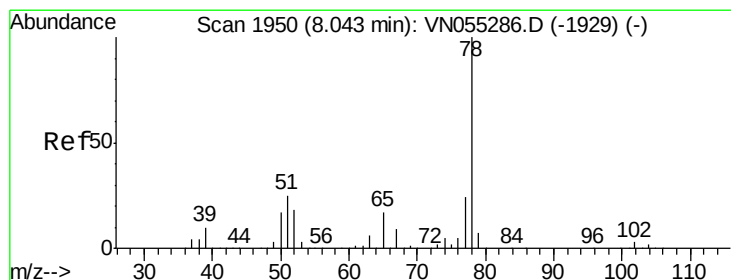
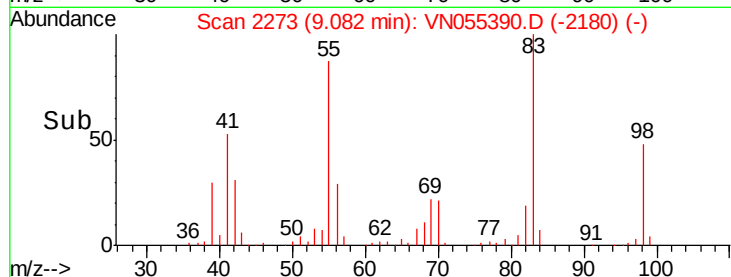
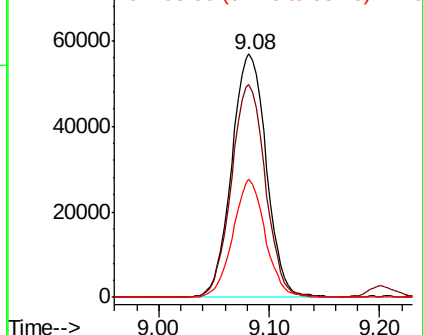
#39
Methylvlcyclohexane
Concen: 18.837 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Instrument :
MSVOA_N
ClientSampleId :
VN0503WBSD01

Tot Ion: 83 Resp: 124031
Ion Ratio Lower Upper
83 100
55 87.3 67.8 101.6
98 48.4 36.2 54.4

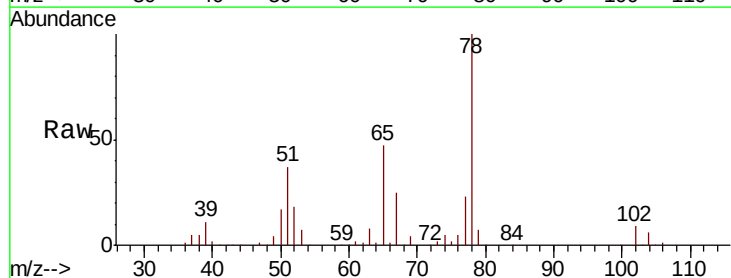


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

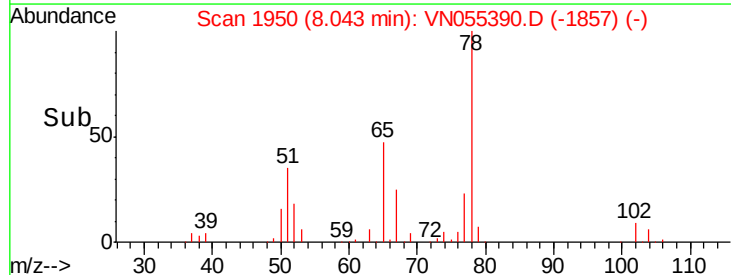
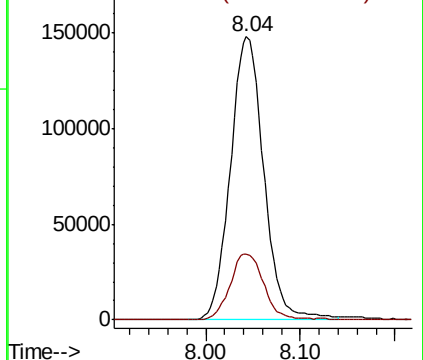


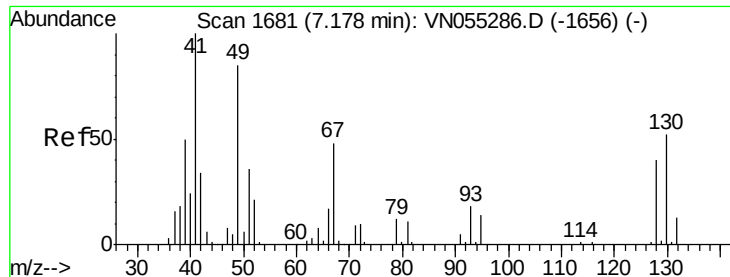
#40
Benzene
Concen: 19.887 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Tgt Ion: 78 Resp: 363063
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.6



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

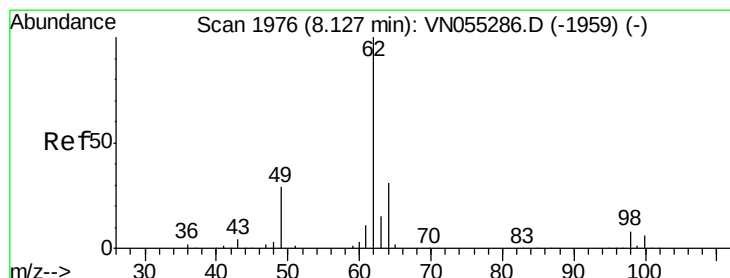
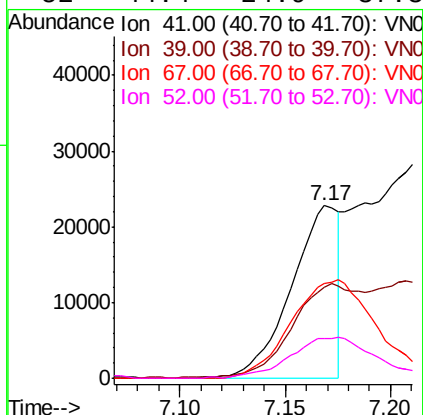
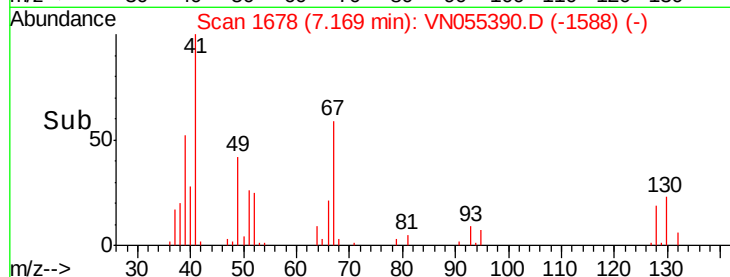
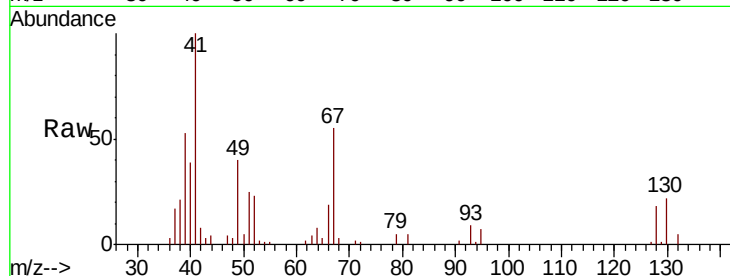




#41
Methacrylonitrile
Concen: 14.353 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

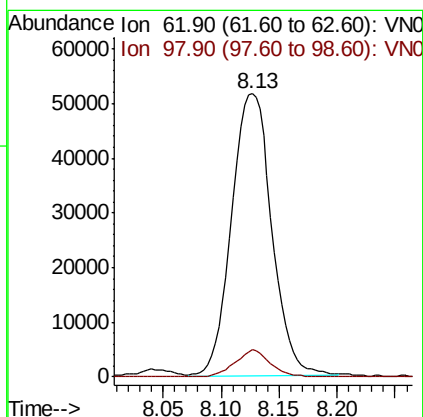
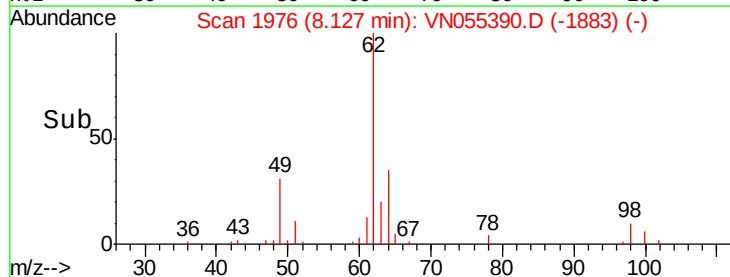
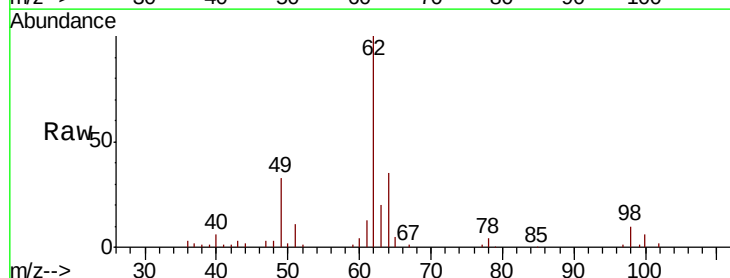
Instrument :
MSVOA_N
ClientSampled :
VN0503WBSD01

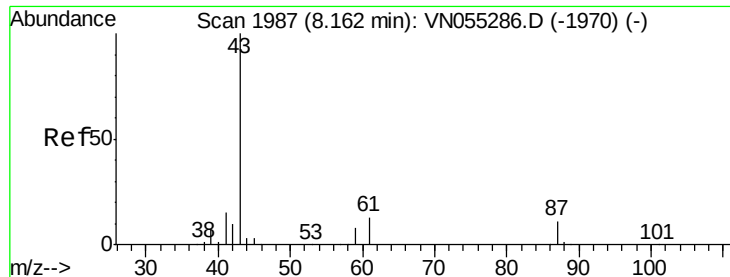
Tot Ion: 41 Resp: 35493
Ion Ratio Lower Upper
41 100
39 80.4 48.5 72.7#
67 104.3 54.9 82.3#
52 44.4 24.9 37.3#



#42
1,2-Dichloroethane
Concen: 19.120 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Tgt Ion: 62 Resp: 123627
Ion Ratio Lower Upper
62 100
98 8.3 0.0 16.4





#43

Isopropyl Acetate

Concen: 21.031 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0503WBSD01

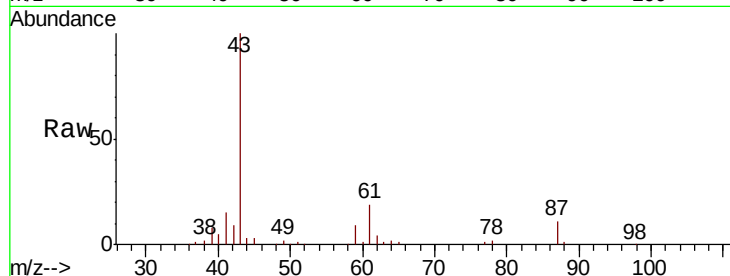
Tot Ion: 43 Resp: 160417

Ion Ratio Lower Upper

43 100

61 17.4 20.8 31.2#

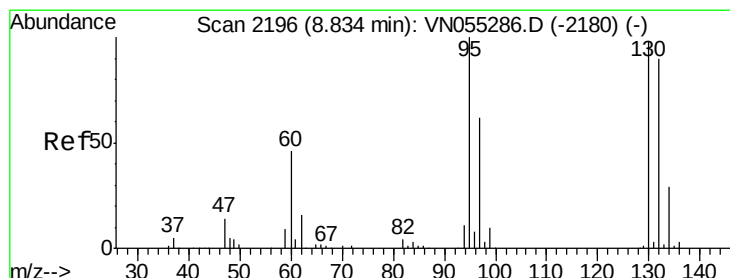
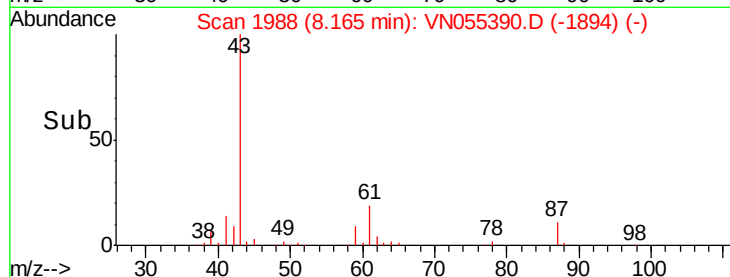
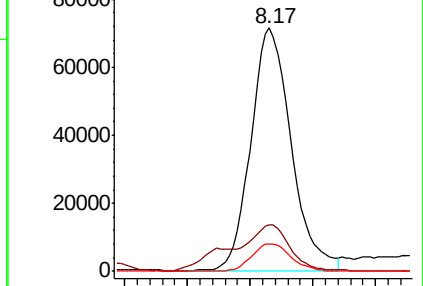
87 11.0 8.5 12.7



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: 19.417 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055390.D

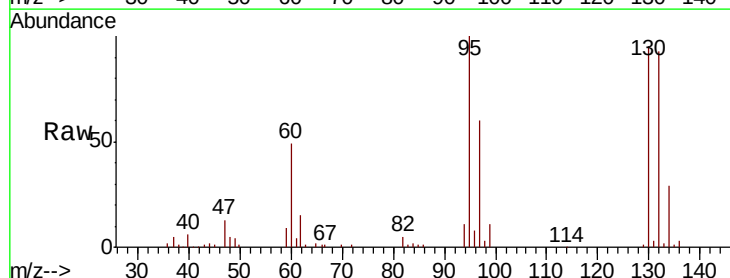
Acq: 3 May 2019 15:22

Tgt Ion:130 Resp: 90368

Ion Ratio Lower Upper

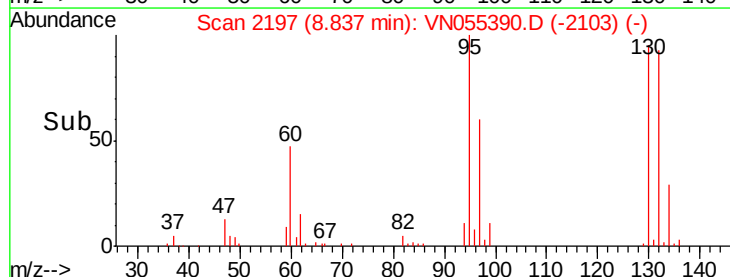
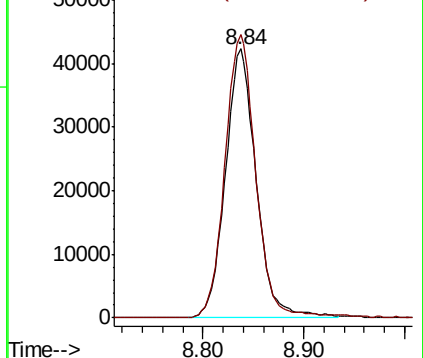
130 100

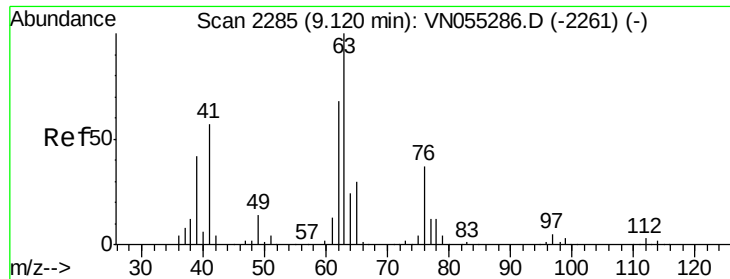
95 105.2 0.0 203.4



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

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

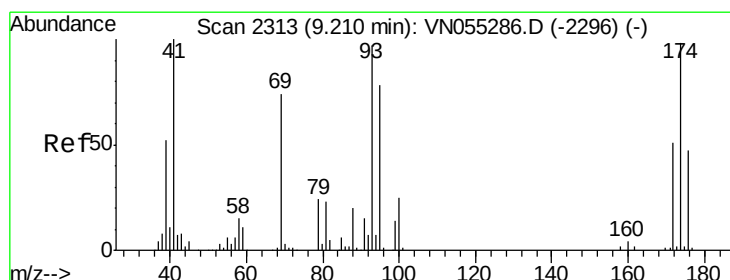
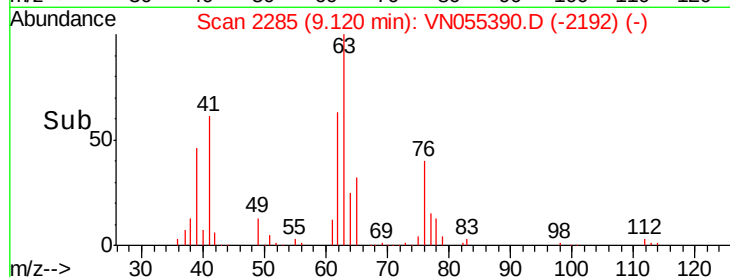
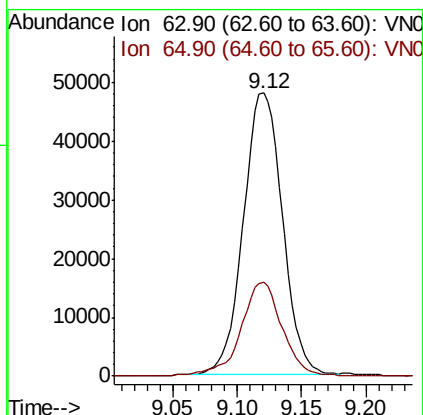
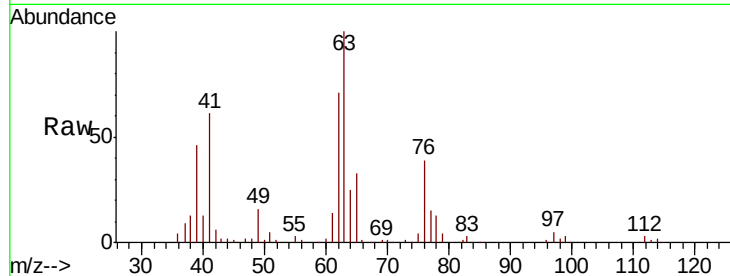




#45
 1,2-Dichloropropane
 Concen: 19.315 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

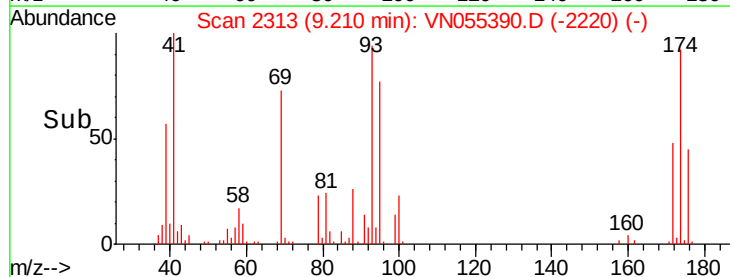
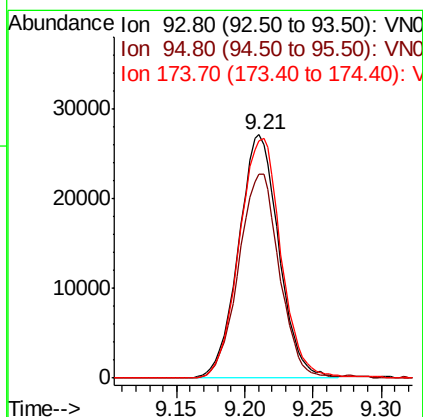
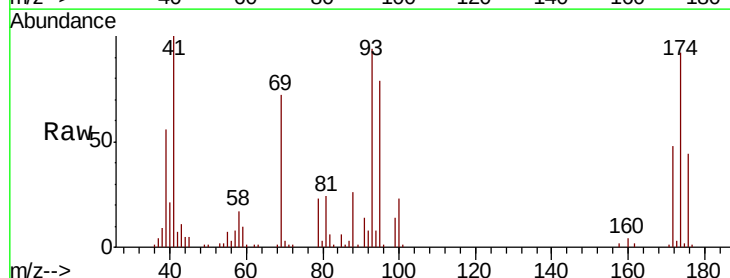
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503WBSD01

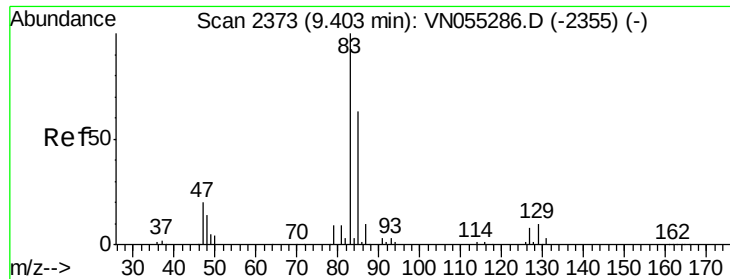
Tot Ion: 63 Resp: 101698
 Ion Ratio Lower Upper
 63 100
 65 32.8 23.9 35.9



#46
 Dibromomethane
 Concen: 19.393 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

Tgt Ion: 93 Resp: 55814
 Ion Ratio Lower Upper
 93 100
 95 84.5 65.7 98.5
 174 101.8 81.5 122.3





#47

Bromodichloromethane

Concen: 19.838 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0503WBSD01

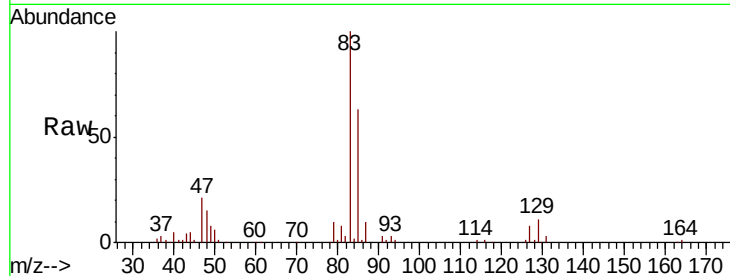
Tot Ion: 83 Resp: 122486

Ion Ratio Lower Upper

83 100

85 62.9 50.1 75.1

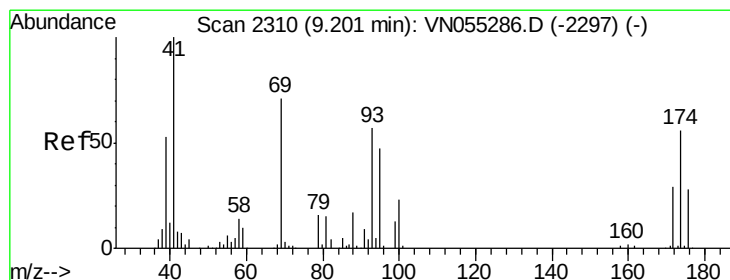
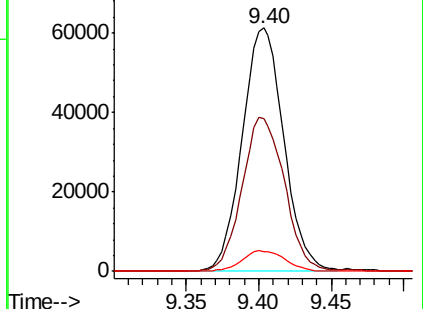
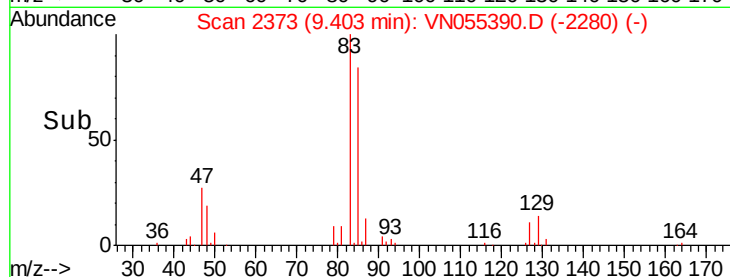
127 8.1 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN055390.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055390.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055390.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.416 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

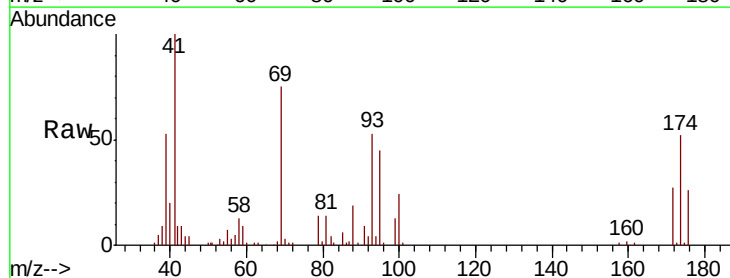
Tgt Ion: 41 Resp: 72806

Ion Ratio Lower Upper

41 100

69 77.6 58.6 87.8

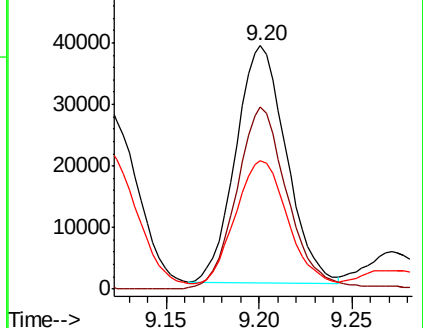
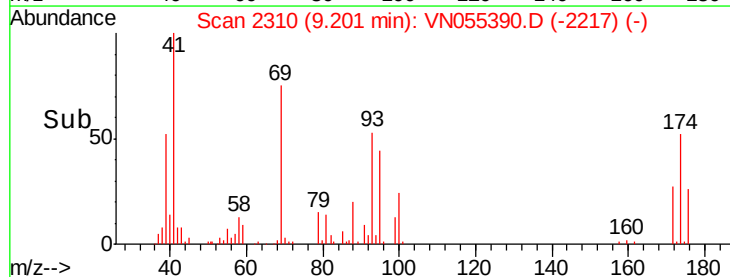
39 56.7 43.8 65.6

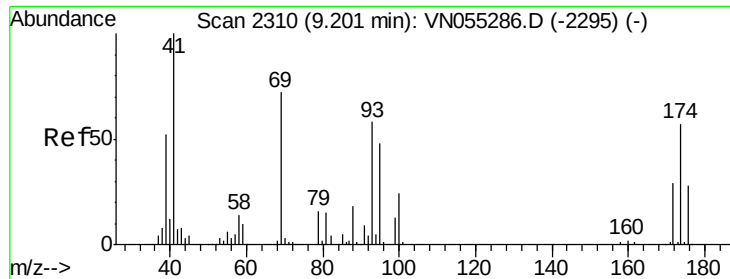


Abundance Ion 41.00 (40.70 to 41.70): VN055390.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055390.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055390.D (-2217) (-)

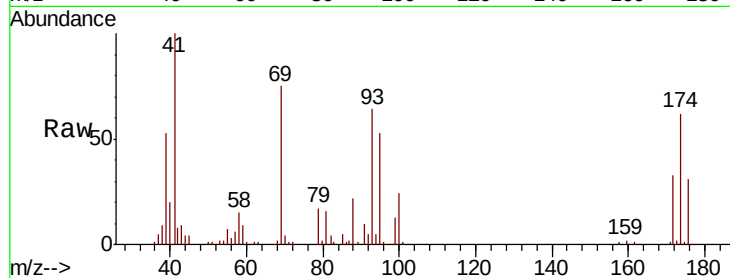




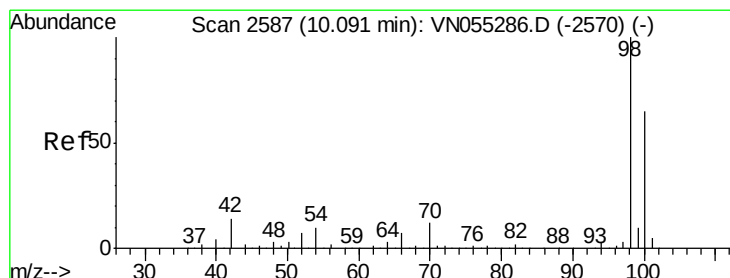
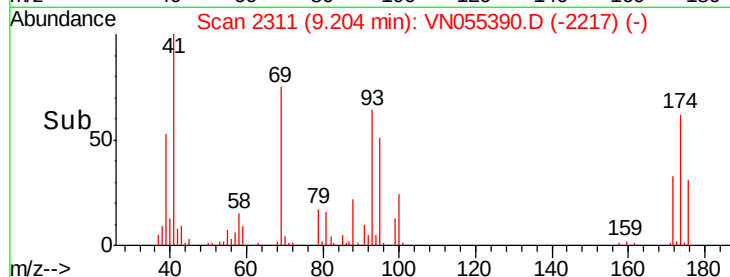
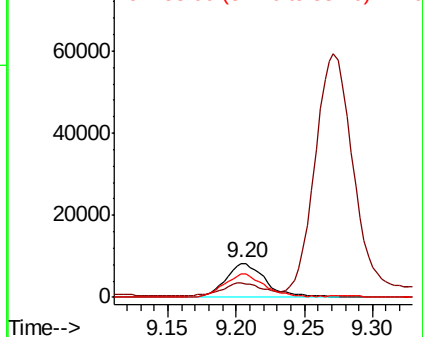
#49
1,4-Dioxane
Concen: 437.905 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Instrument :
MSVOA_N
ClientSampleId :
VN0503WBSD01

Tot Ion: 88 Resp: 16974
Ion Ratio Lower Upper
88 100
43 37.8 33.3 49.9
58 69.1 62.7 94.1

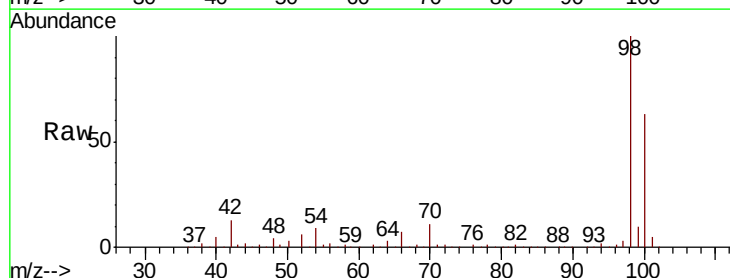


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

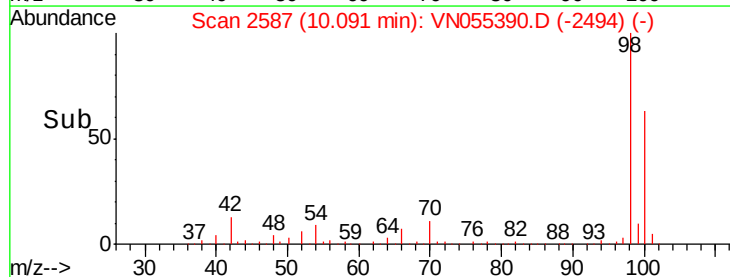
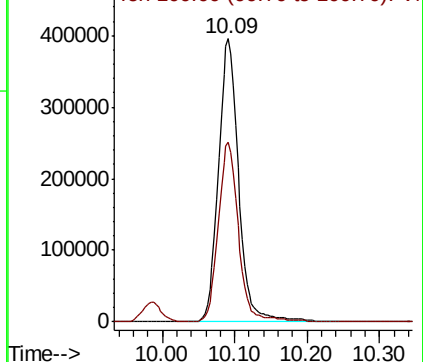


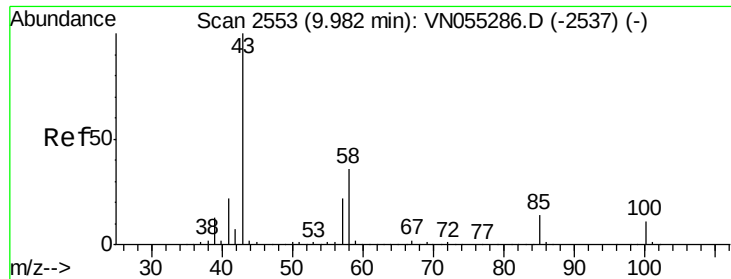
#50
Toluene-d8
Concen: 49.787 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Tgt Ion: 98 Resp: 762899
Ion Ratio Lower Upper
98 100
100 63.5 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: 102.741 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

ClientSampleID :

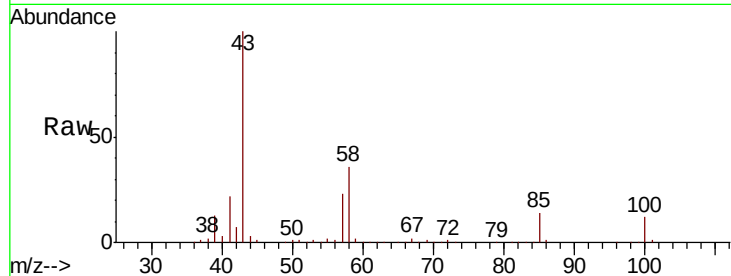
VN0503WBSD01

Tot Ion: 43 Resp: 441212

Ion Ratio Lower Upper

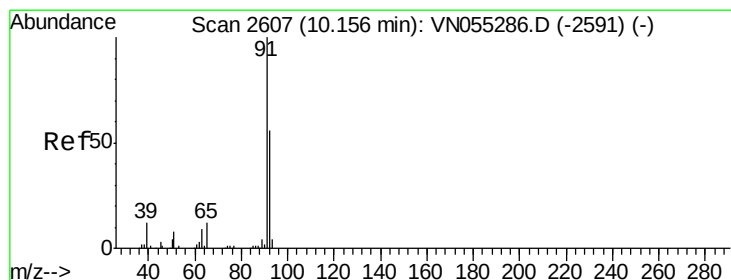
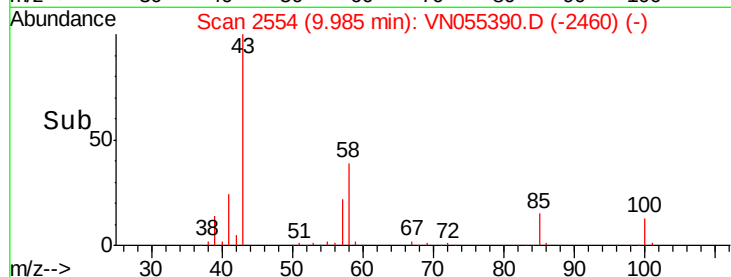
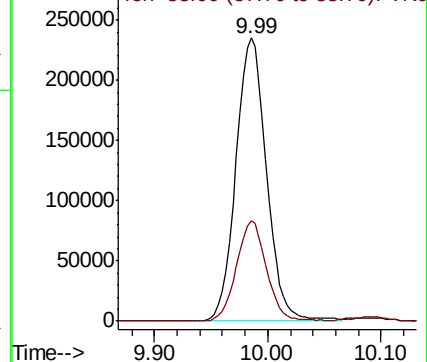
43 100

58 34.8 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.942 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055390.D

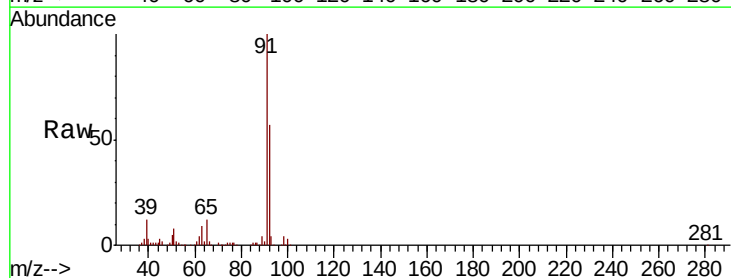
Acq: 3 May 2019 15:22

Tgt Ion: 92 Resp: 208890

Ion Ratio Lower Upper

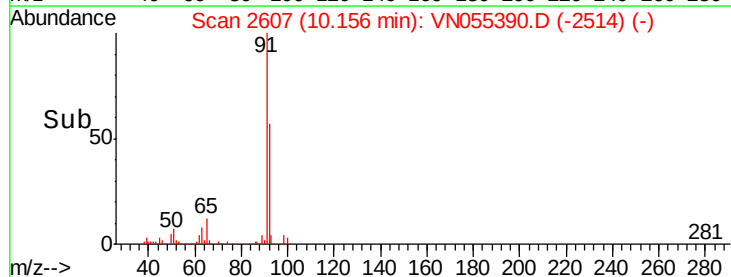
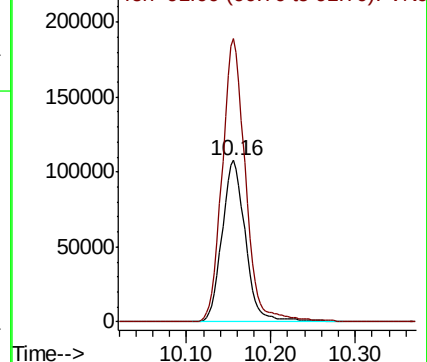
92 100

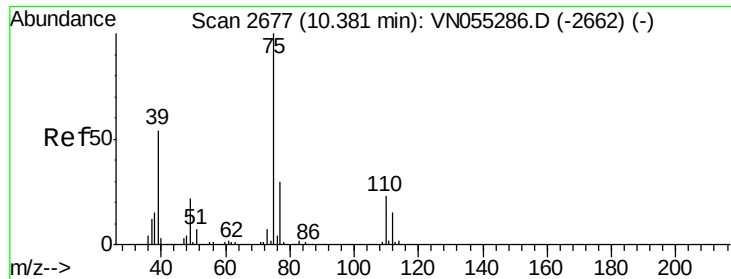
91 174.2 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.937 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

ClientSampleId :

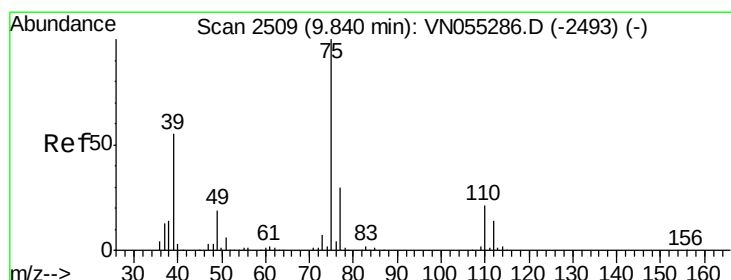
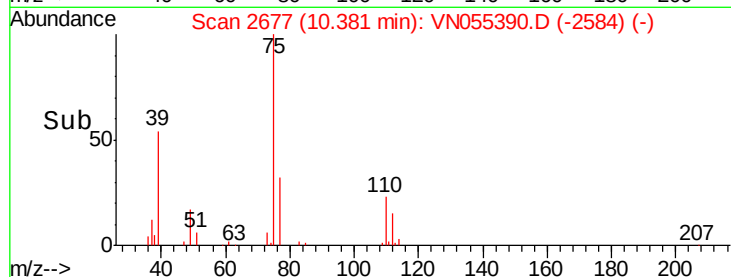
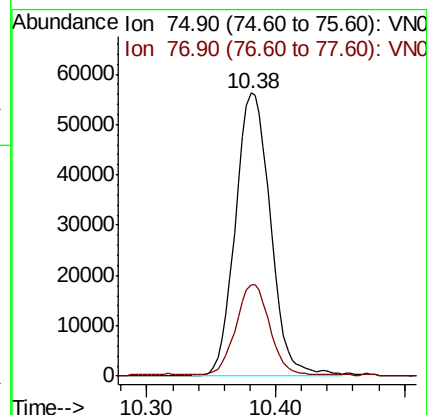
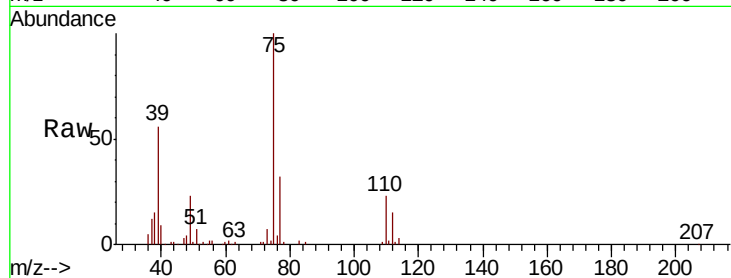
VN0503WBSD01

Tot Ion: 75 Resp: 106858

Ion Ratio Lower Upper

75 100

77 31.8 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 19.999 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

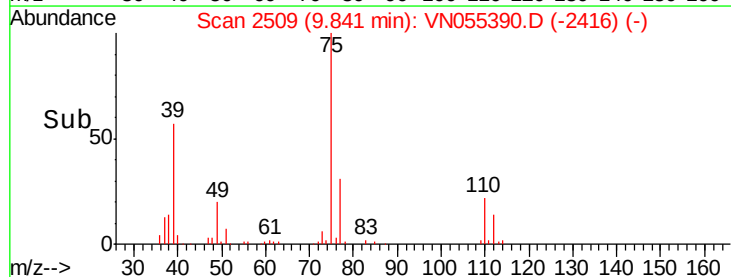
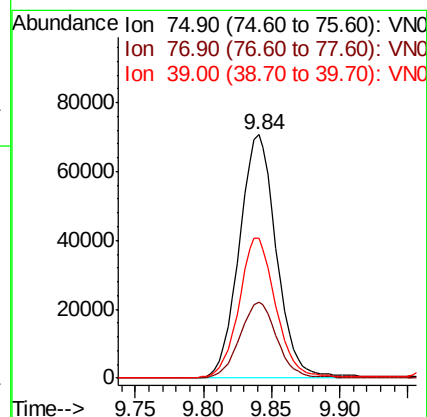
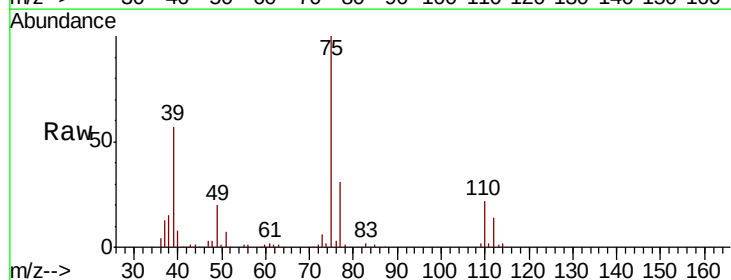
Tgt Ion: 75 Resp: 133647

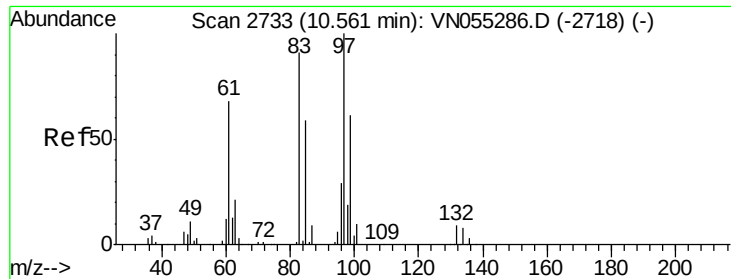
Ion Ratio Lower Upper

75 100

77 31.2 24.2 36.2

39 57.0 44.2 66.2

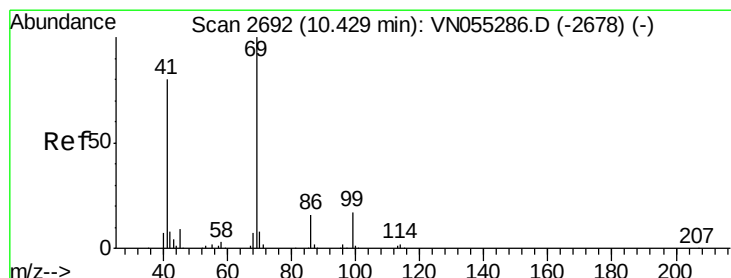
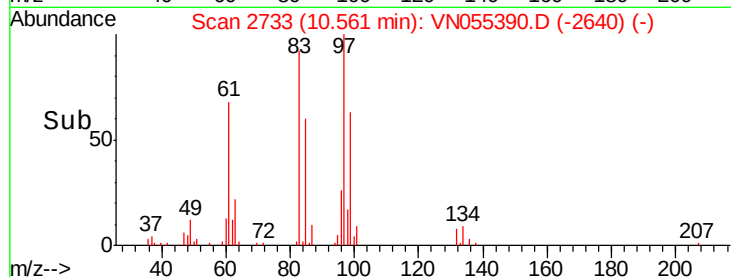
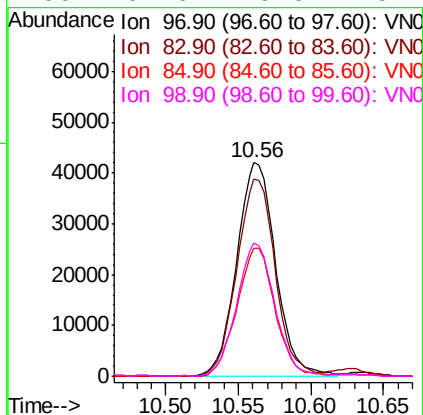
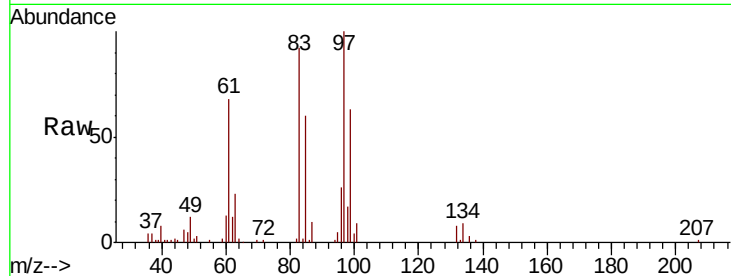




#55
 1,1,2-Trichloroethane
 Concen: 20.160 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

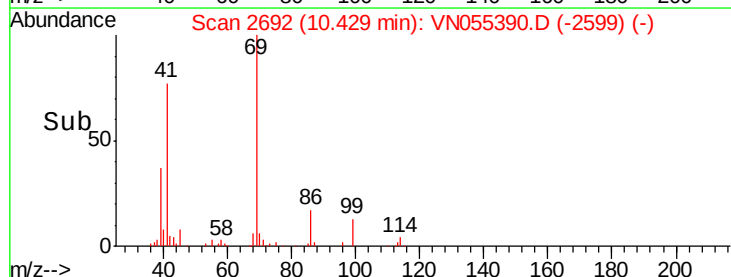
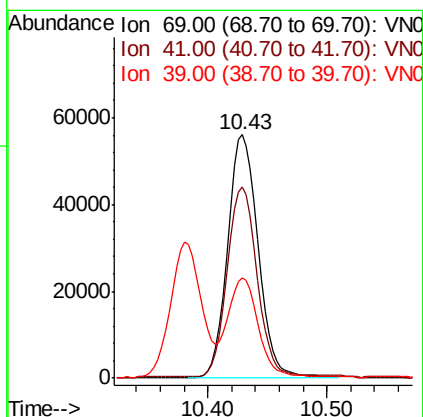
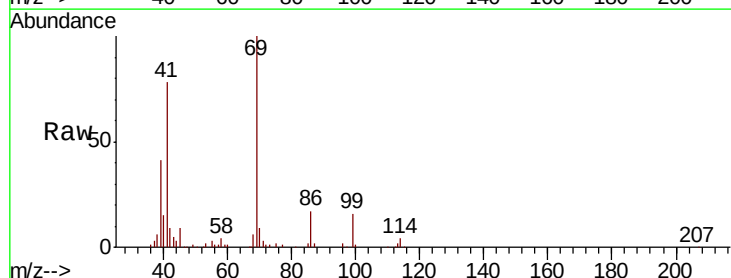
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503WBSD01

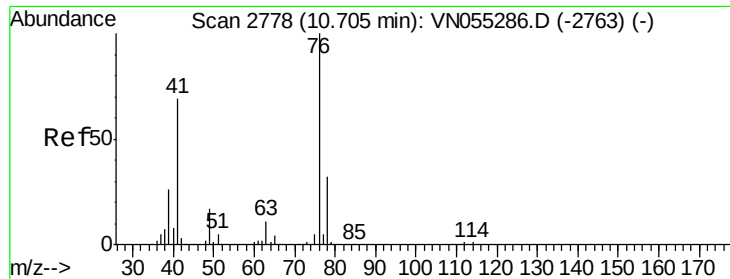
Tot Ion:	97	Resp:	78415
Ion	Ratio	Lower	Upper
97	100		
83	92.4	72.8	109.2
85	60.0	47.0	70.6
99	62.6	49.0	73.4



#56
 Ethyl methacrylate
 Concen: 20.900 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

Tgt Ion:	69	Resp:	100061
Ion	Ratio	Lower	Upper
69	100		
41	76.5	62.7	94.1
39	41.5	32.0	48.0





#57

1,3-Dichloropropane

Concen: 19.969 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

ClientSampleId :

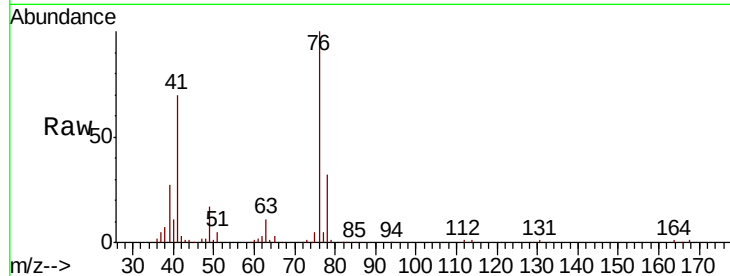
VN0503WBSD01

Tot Ion: 76 Resp: 136262

Ion Ratio Lower Upper

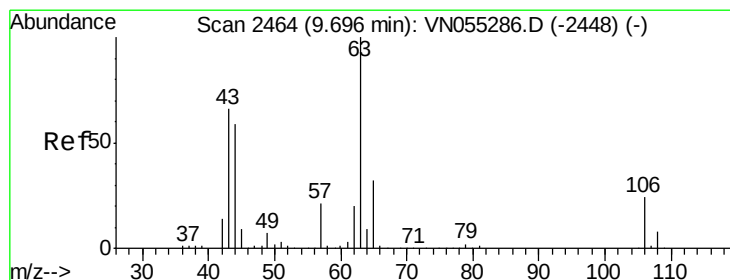
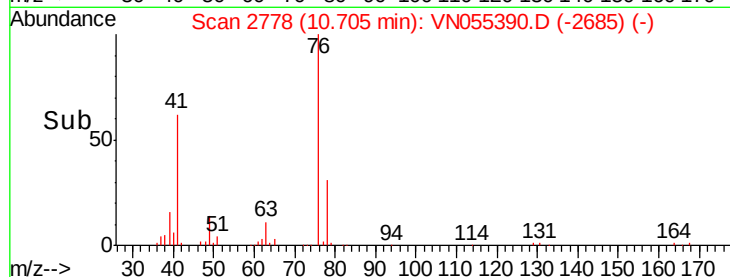
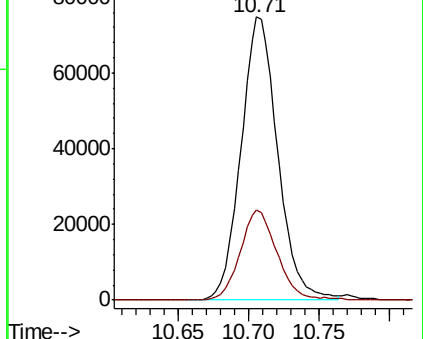
76 100

78 32.1 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 74.526 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055390.D

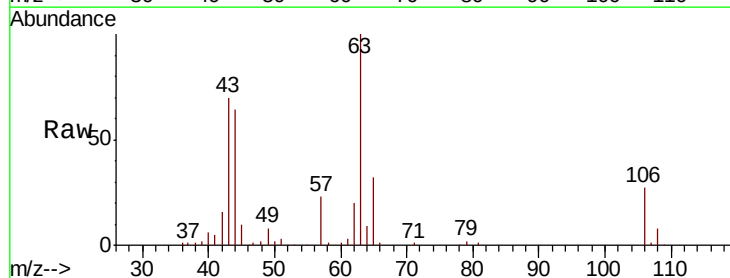
Acq: 3 May 2019 15:22

Tgt Ion: 63 Resp: 97120

Ion Ratio Lower Upper

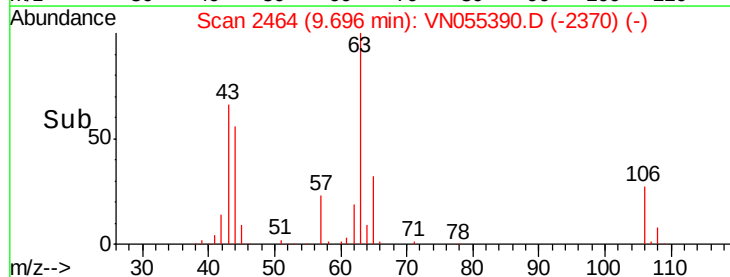
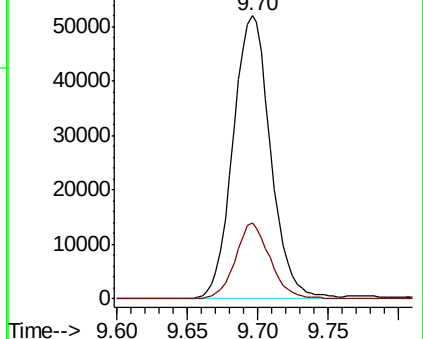
63 100

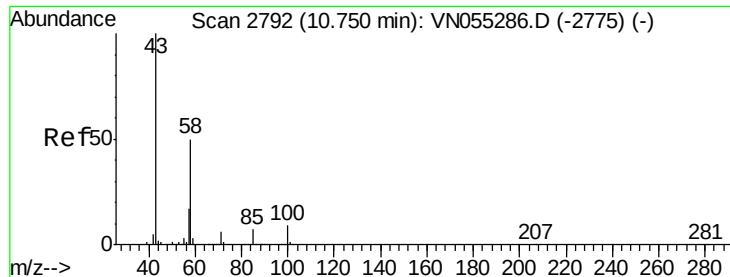
106 24.9 19.0 28.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

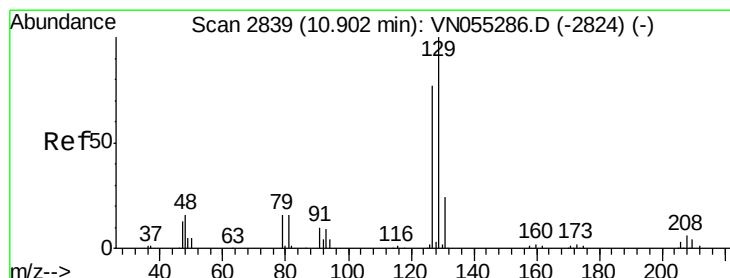
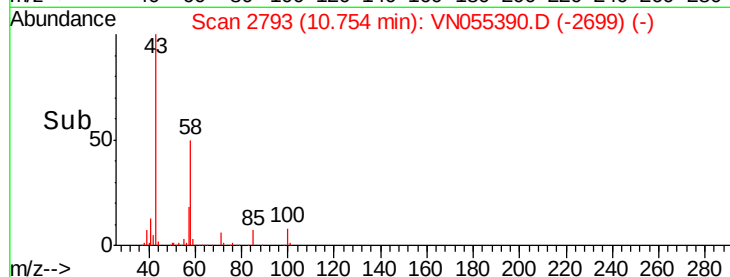
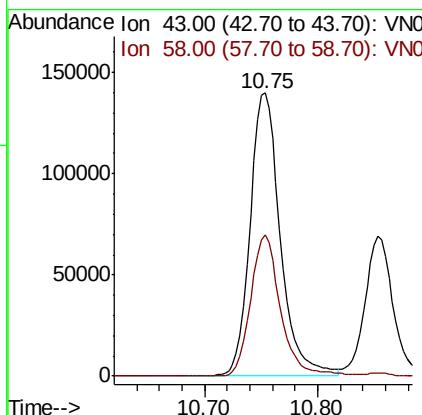
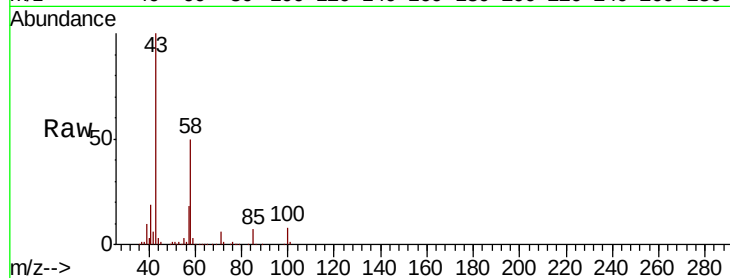




#59
2-Hexanone
Concen: 96.157 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

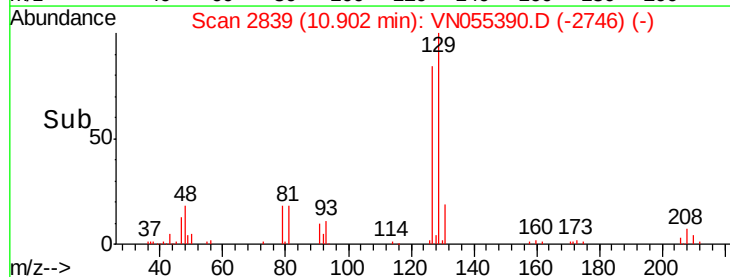
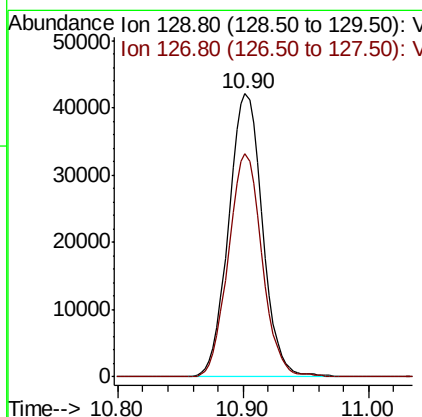
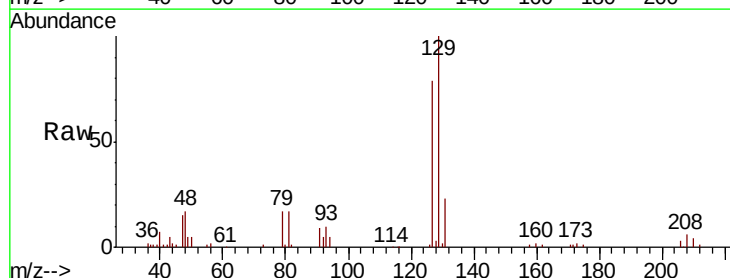
Instrument :
MSVOA_N
ClientSampleId :
VN0503WBSD01

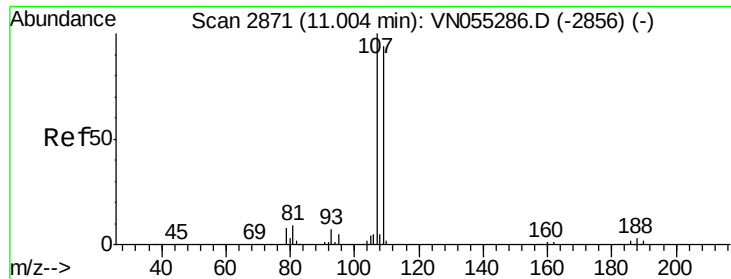
Tot Ion: 43 Resp: 258369
Ion Ratio Lower Upper
43 100
58 49.7 24.9 74.6



#60
Dibromochloromethane
Concen: 19.880 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Tgt Ion: 129 Resp: 79032
Ion Ratio Lower Upper
129 100
127 78.3 38.1 114.5





#61

1,2-Dibromoethane

Concen: 19.518 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

ClientSampleId :

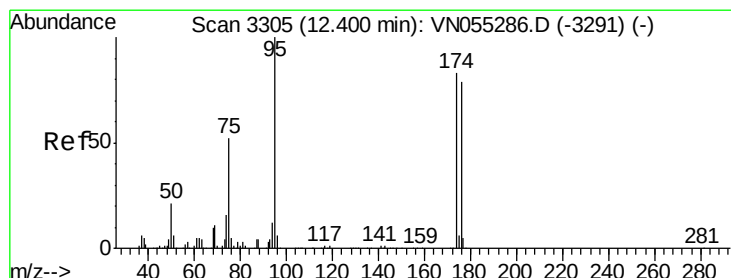
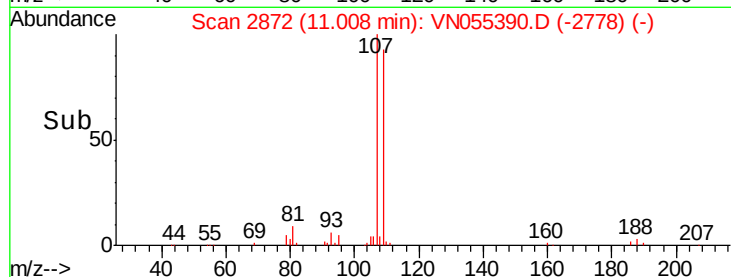
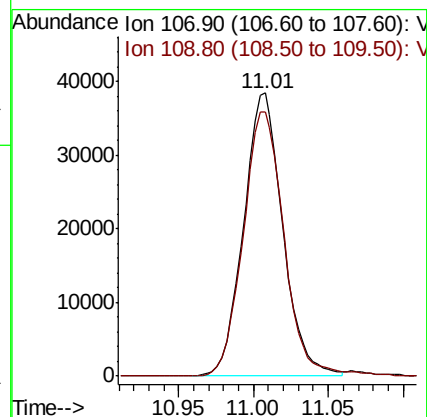
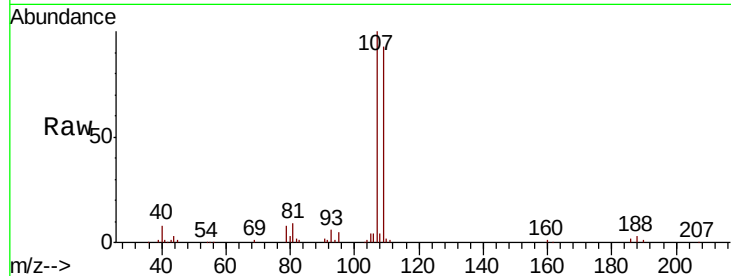
VN0503WBSD01

Tot Ion:107 Resp: 70172

Ion Ratio Lower Upper

107 100

109 97.5 75.0 112.6



#62

4-Bromofluorobenzene

Concen: 50.276 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

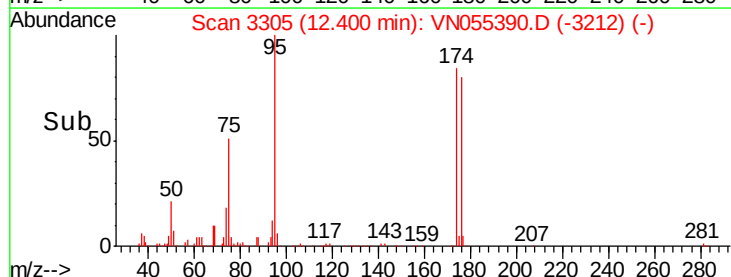
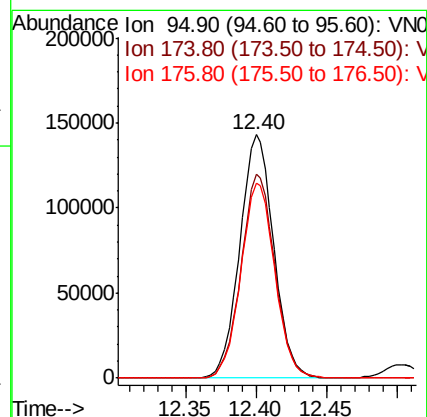
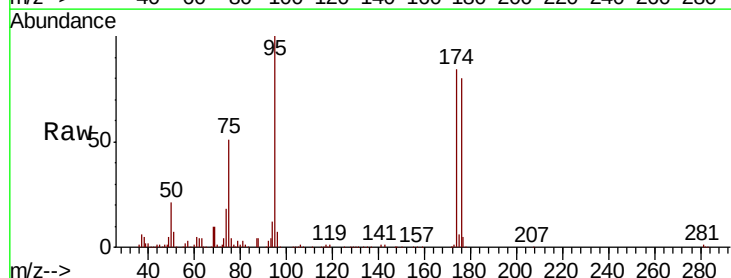
Tgt Ion: 95 Resp: 240775

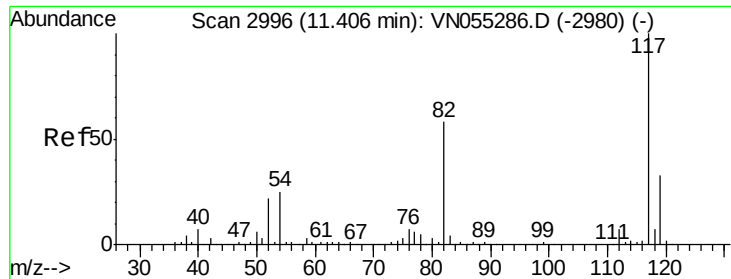
Ion Ratio Lower Upper

95 100

174 83.5 0.0 166.6

176 80.4 0.0 157.8

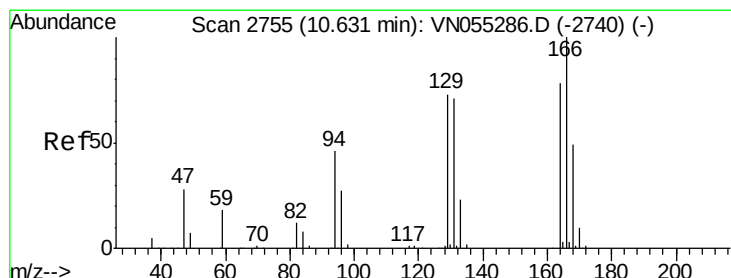
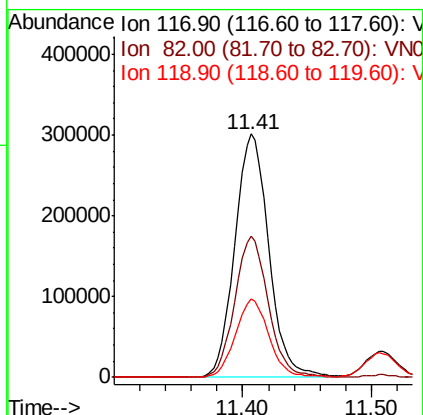
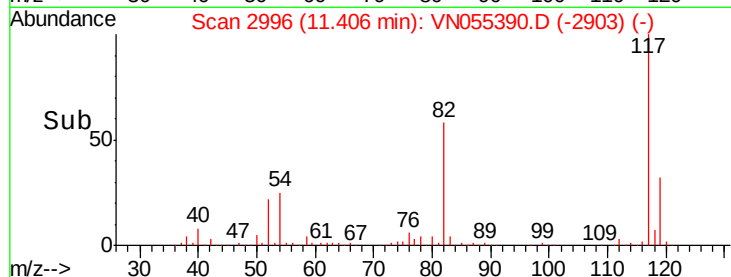
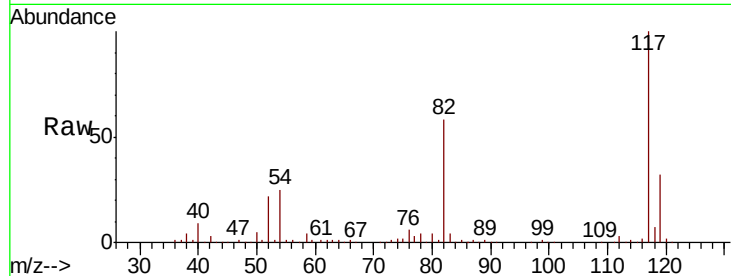




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

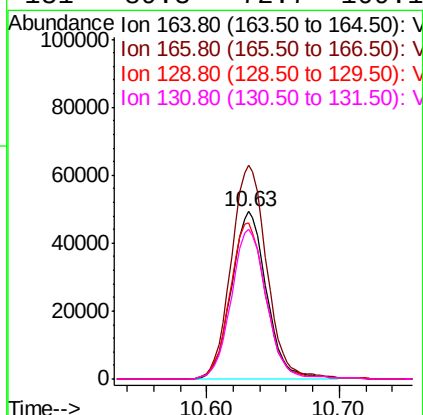
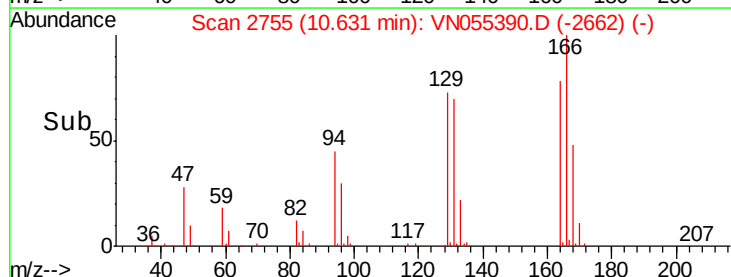
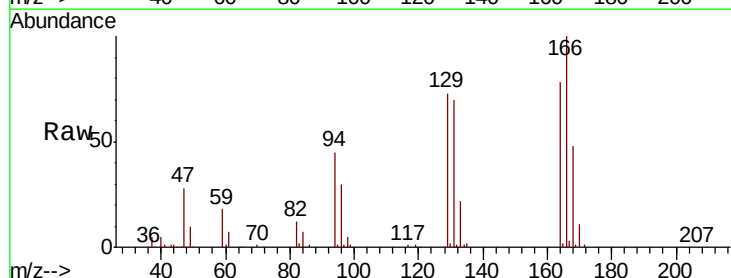
Instrument :
MSVOA_N
ClientSampleId :
VN0503WBSD01

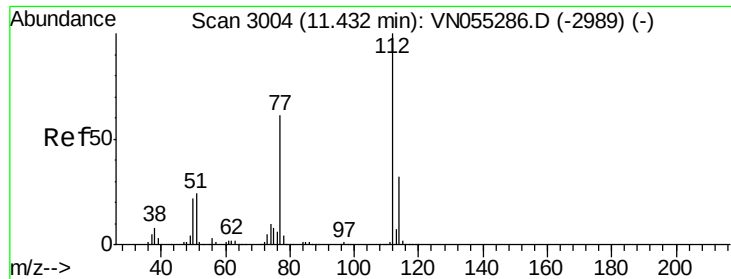
Tot Ion:117 Resp: 552158
Ion Ratio Lower Upper
117 100
82 58.1 46.2 69.4
119 32.1 26.6 40.0



#64
Tetrachloroethene
Concen: 20.077 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Tgt Ion:164 Resp: 90655
Ion Ratio Lower Upper
164 100
166 127.4 102.3 153.5
129 93.0 75.0 112.6
131 89.3 72.7 109.1

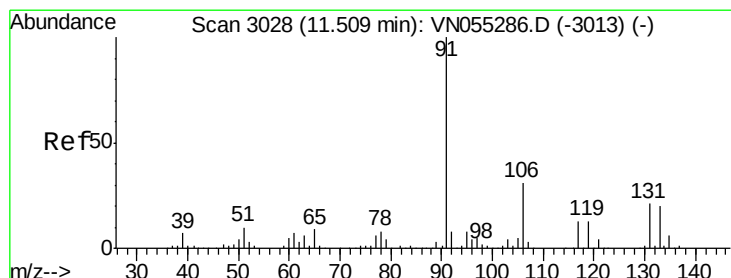
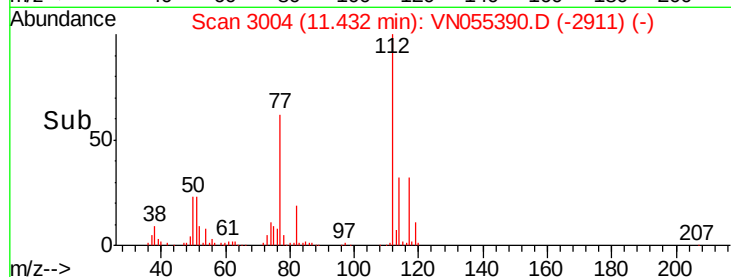
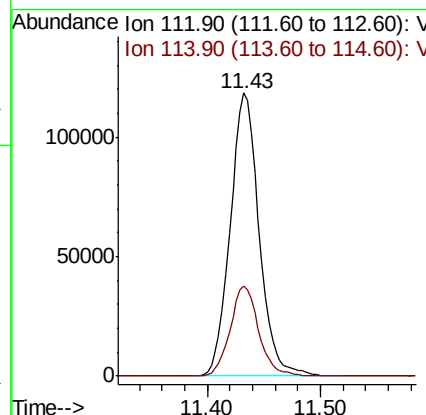
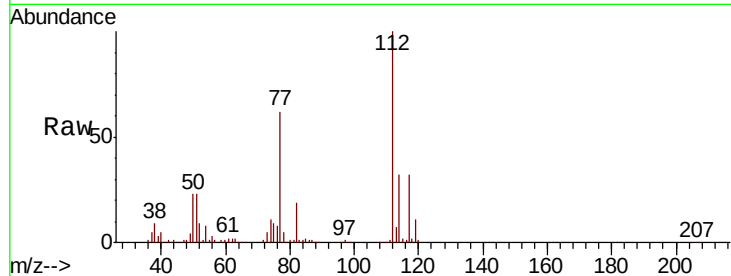




#65
Chlorobenzene
Concen: 19.484 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

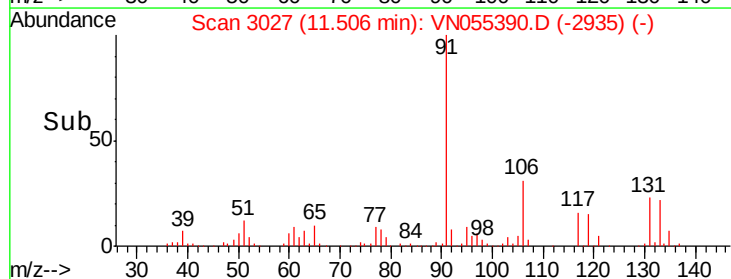
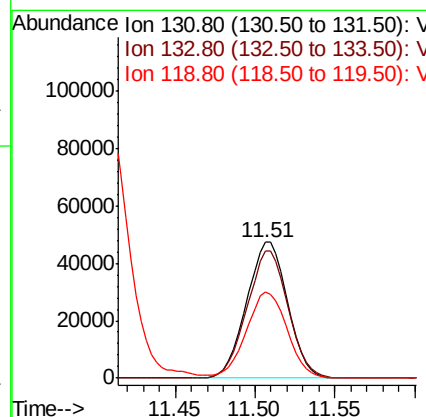
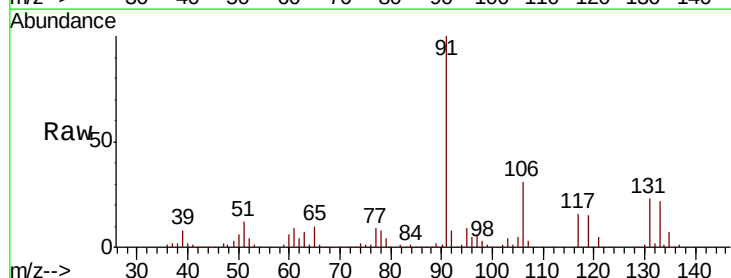
Instrument :
MSVOA_N
ClientSampled :
VN0503WBSD01

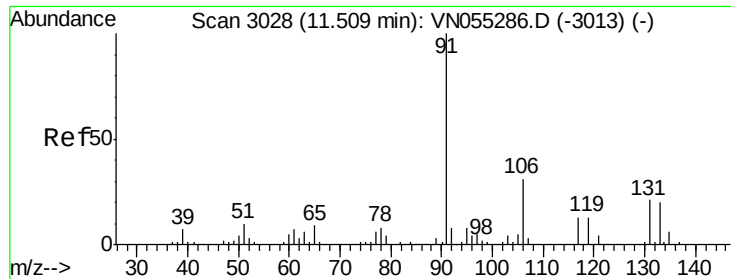
Tot Ion:112 Resp: 210335
Ion Ratio Lower Upper
112 100
114 31.9 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.644 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Tgt Ion:131 Resp: 83037
Ion Ratio Lower Upper
131 100
133 93.9 47.5 142.6
119 63.6 32.7 98.1

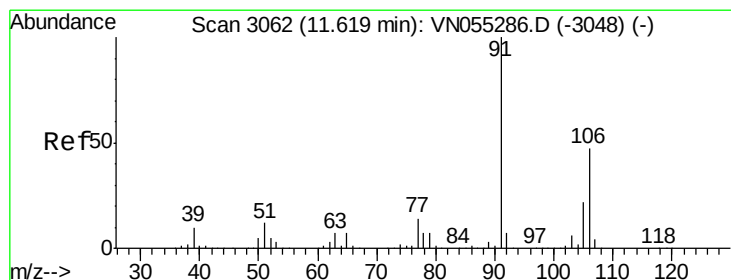
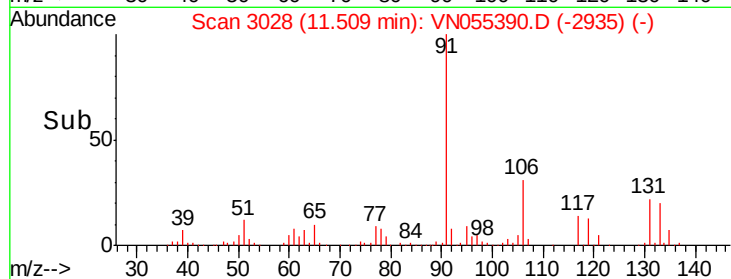
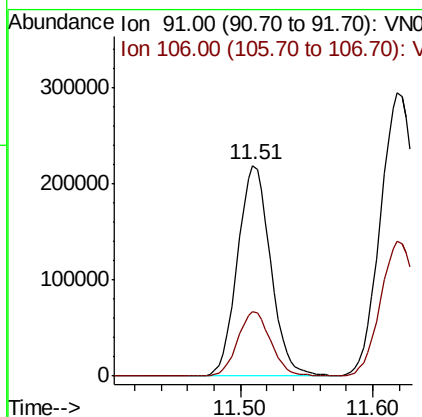
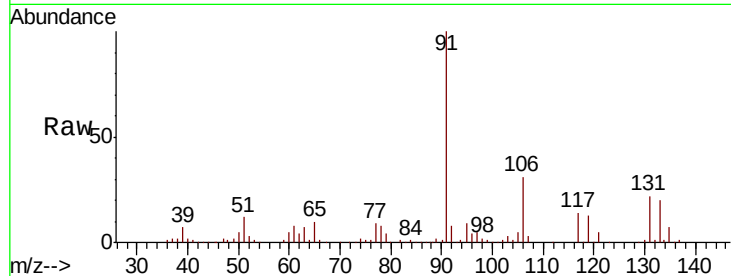




#67
Ethyl Benzene
Concen: 19.518 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

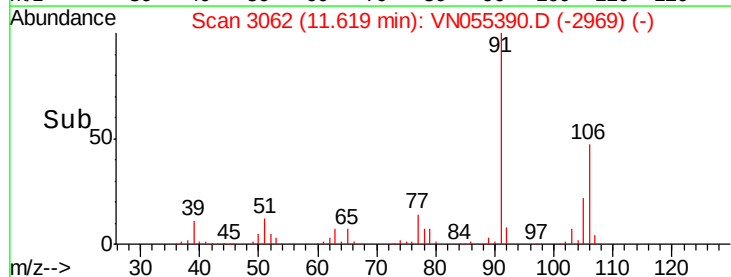
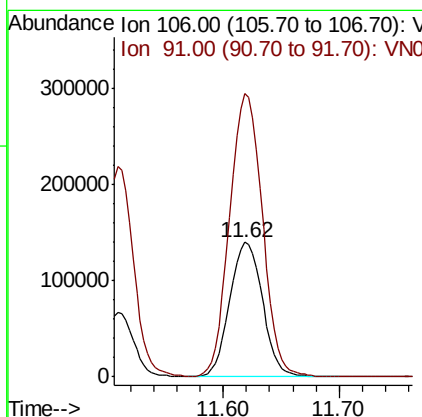
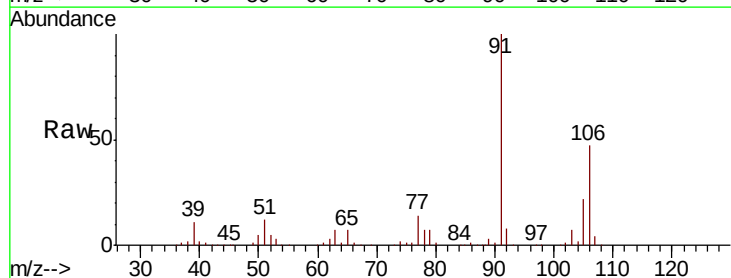
Instrument :
MSVOA_N
ClientSampled :
VN0503WBSD01

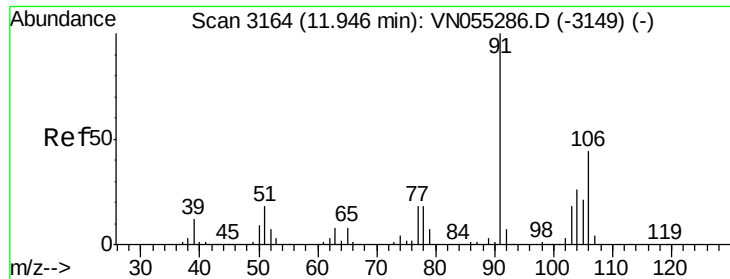
Tot Ion: 91 Resp: 380497
Ion Ratio Lower Upper
91 100
106 30.6 24.6 36.8



#68
m/p-Xylenes
Concen: 39.465 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Tgt Ion: 106 Resp: 274616
Ion Ratio Lower Upper
106 100
91 210.4 169.5 254.3

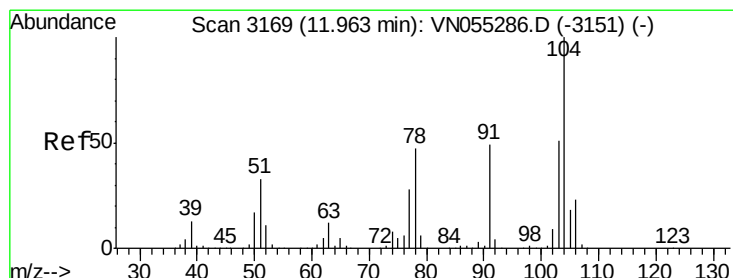
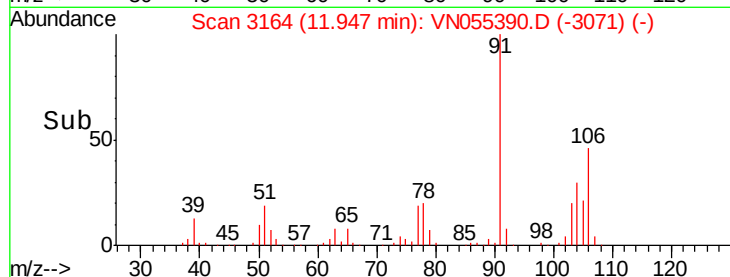
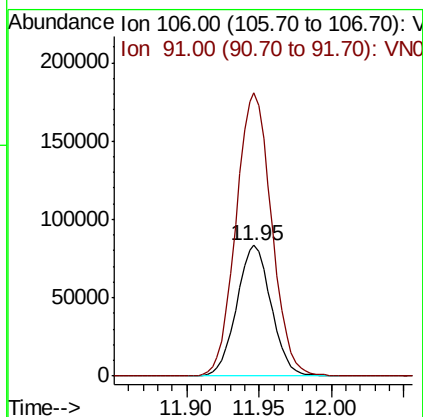
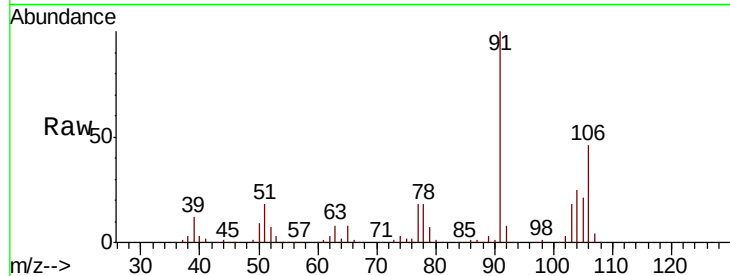




#69
o-Xylene
Concen: 20.034 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

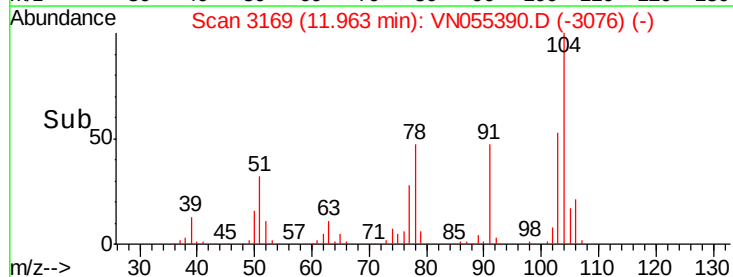
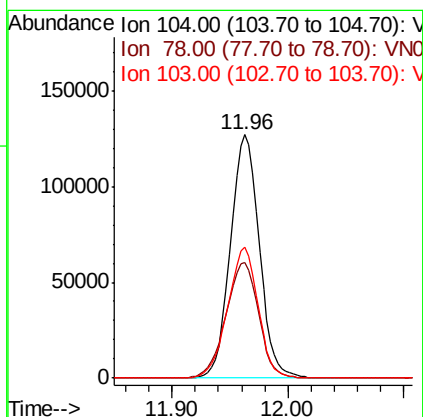
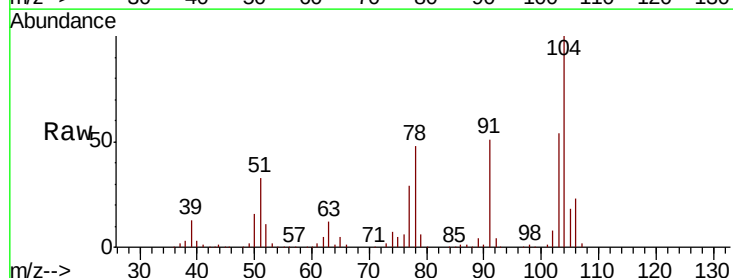
Instrument :
MSVOA_N
ClientSampled :
VN0503WBSD01

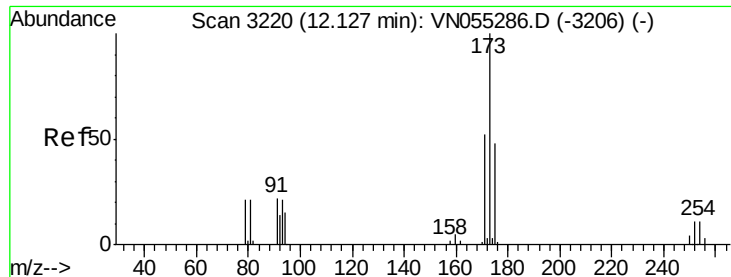
Tot Ion:106 Resp: 138170
Ion Ratio Lower Upper
106 100
91 222.9 111.5 334.5



#70
Styrene
Concen: 20.630 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Tgt Ion:104 Resp: 218463
Ion Ratio Lower Upper
104 100
78 53.8 42.2 63.2
103 56.7 44.6 67.0





#71

Bromoform

Concen: 19.087 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0503WBSD01

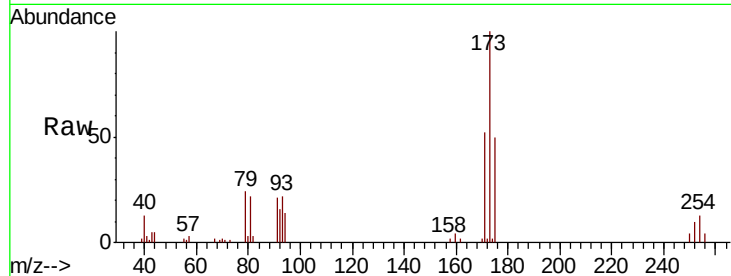
Tot Ion:173 Resp: 44770

Ion Ratio Lower Upper

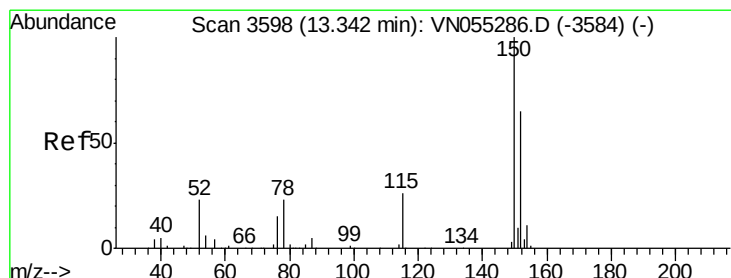
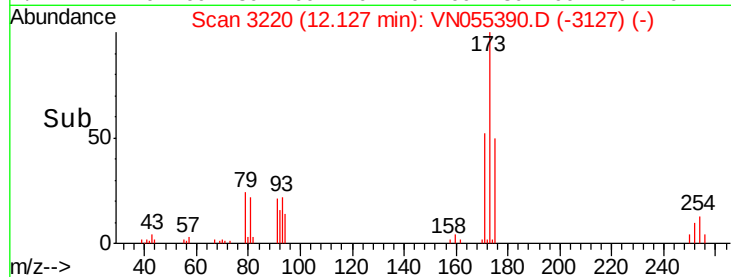
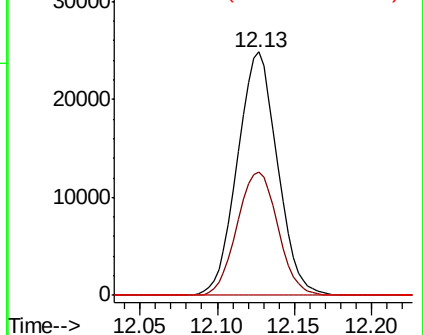
173 100

175 51.6 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: VN055390.D

Acq: 3 May 2019 15:22

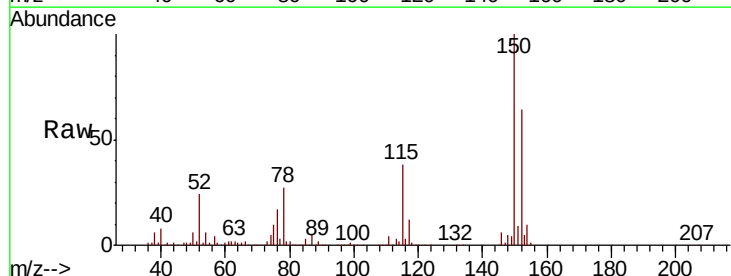
Tgt Ion:152 Resp: 203474

Ion Ratio Lower Upper

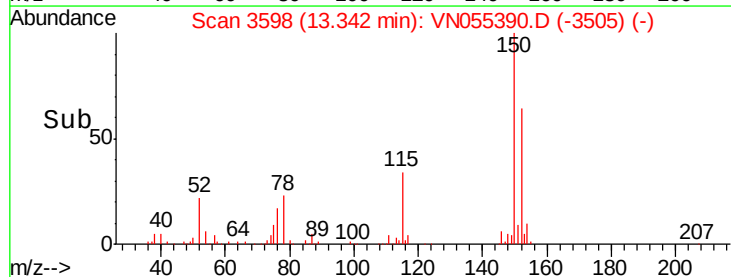
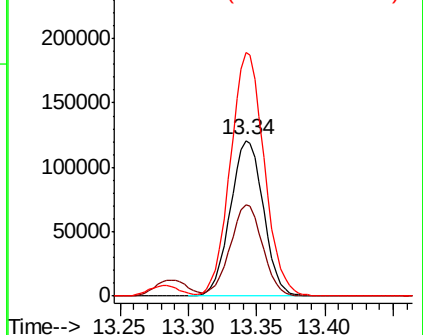
152 100

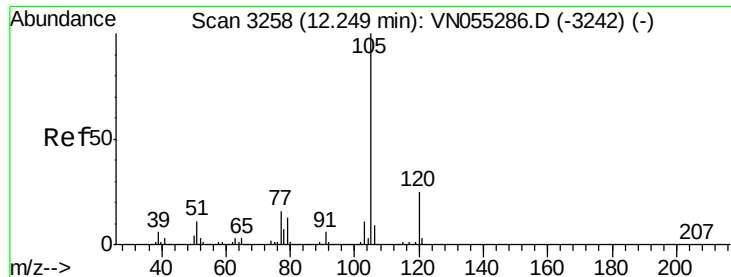
115 57.6 29.0 87.0

150 160.0 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: 21.079 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

ClientSampleId :

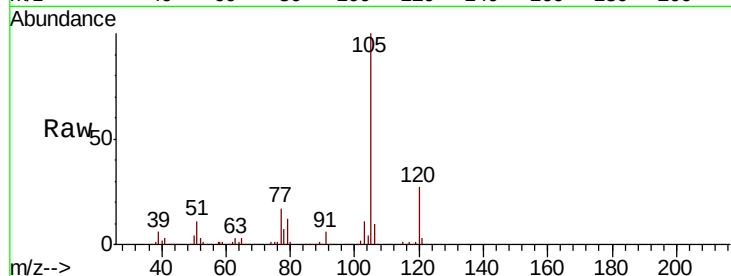
VN0503WBSD01

Tot Ion:105 Resp: 370881

Ion Ratio Lower Upper

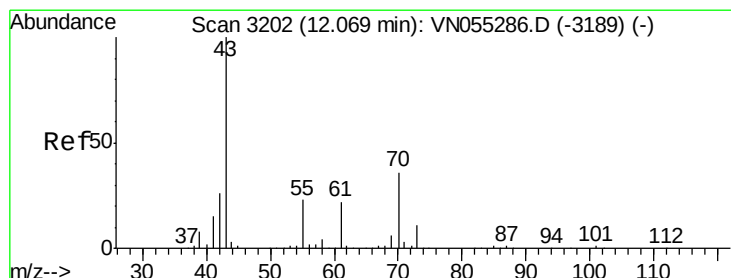
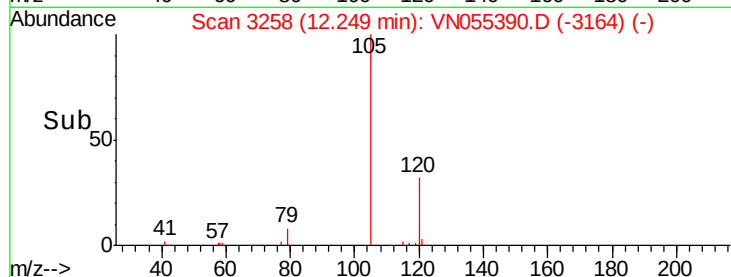
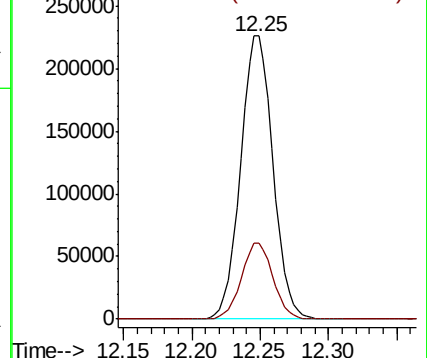
105 100

120 26.3 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: 19.061 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Tgt Ion: 43 Resp: 99534

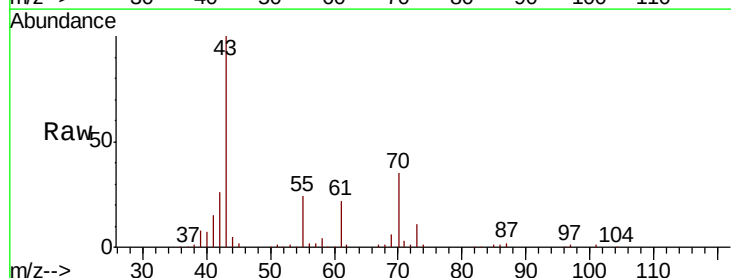
Ion Ratio Lower Upper

43 100

70 33.5 27.9 41.9

55 23.1 18.2 27.2

61 20.8 16.9 25.3

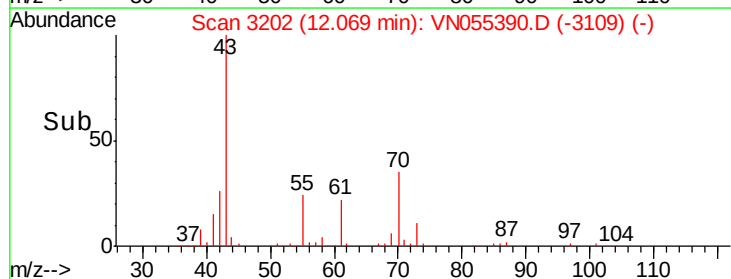
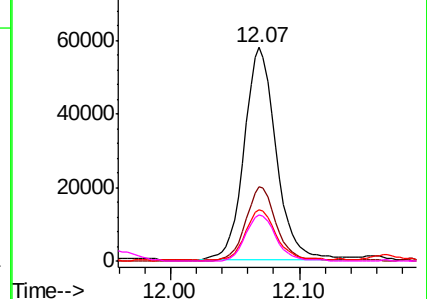


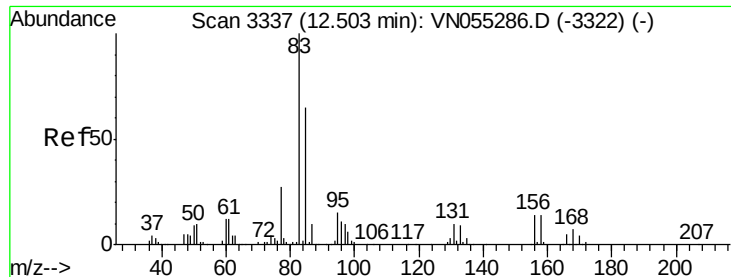
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 20.227 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

ClientSampled :

VN0503WBSD01

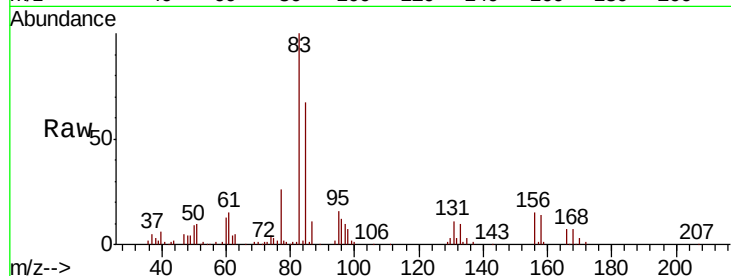
Tot Ion: 83 Resp: 89179

Ion Ratio Lower Upper

83 100

131 10.5 5.1 15.2

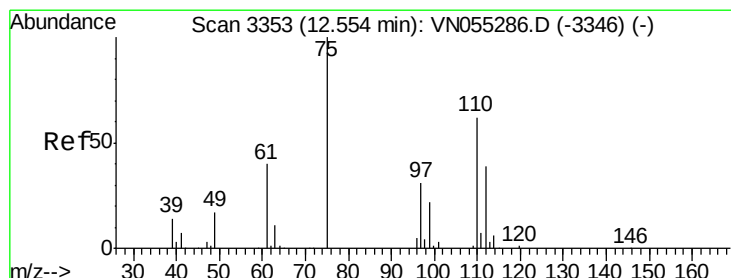
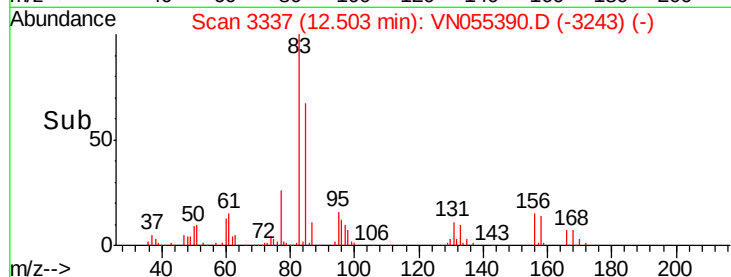
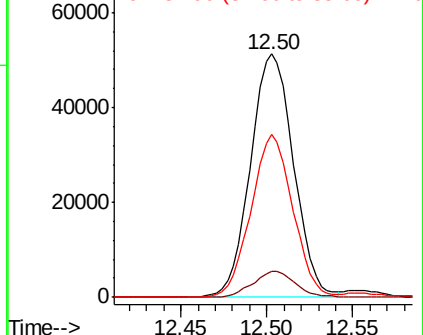
85 64.8 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 27.251 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055390.D

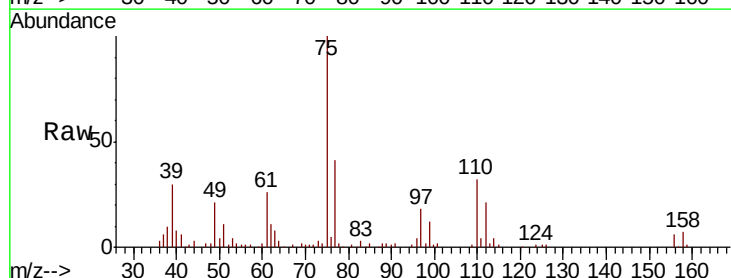
Acq: 3 May 2019 15:22

Tgt Ion: 75 Resp: 107397

Ion Ratio Lower Upper

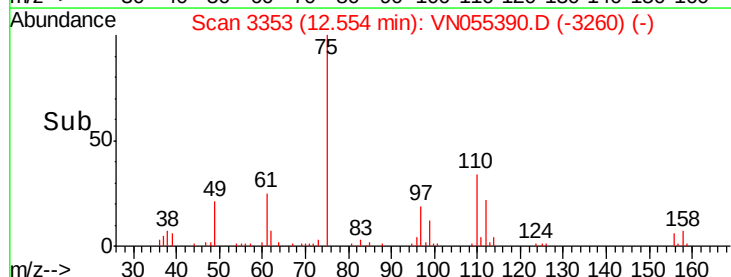
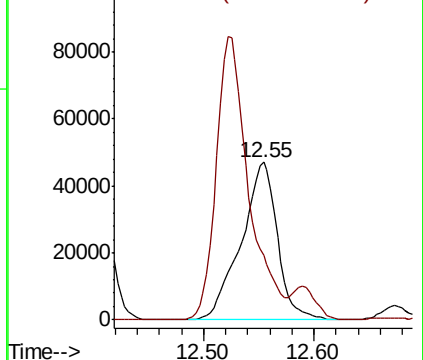
75 100

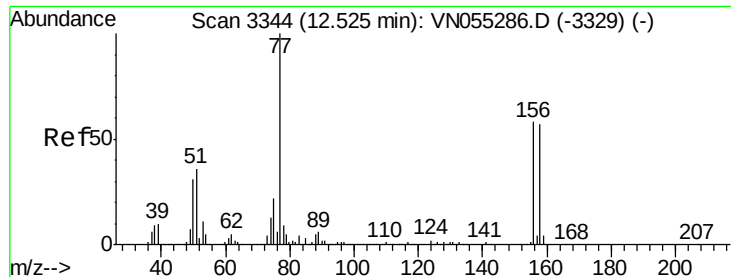
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.365 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0503WBSD01

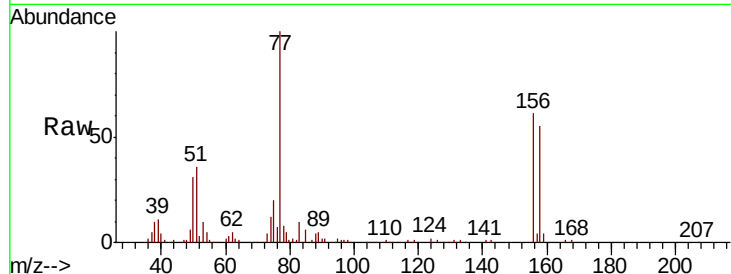
Tot Ion:156 Resp: 87832

Ion Ratio Lower Upper

156 100

77 195.7 99.6 298.8

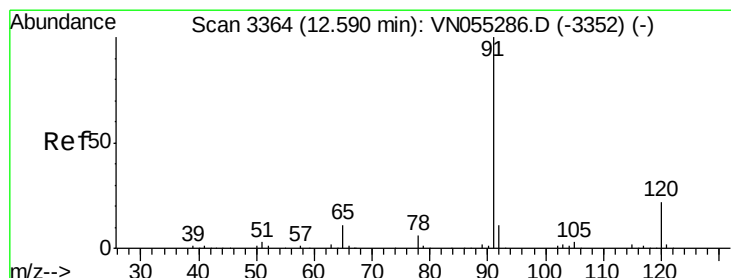
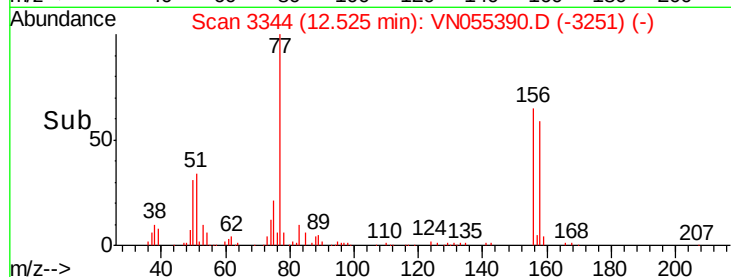
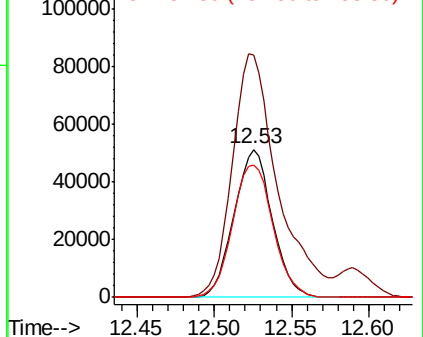
158 94.9 49.3 147.8



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: 18.839 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055390.D

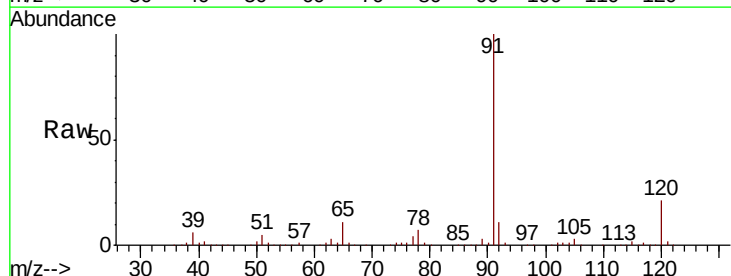
Acq: 3 May 2019 15:22

Tgt Ion: 91 Resp: 393763

Ion Ratio Lower Upper

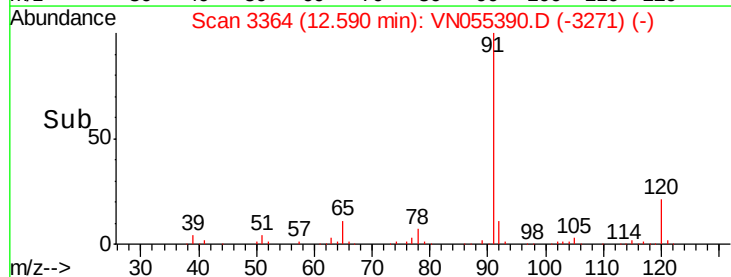
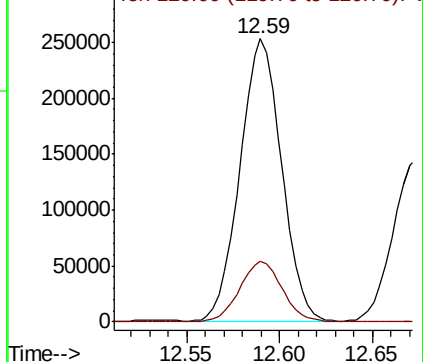
91 100

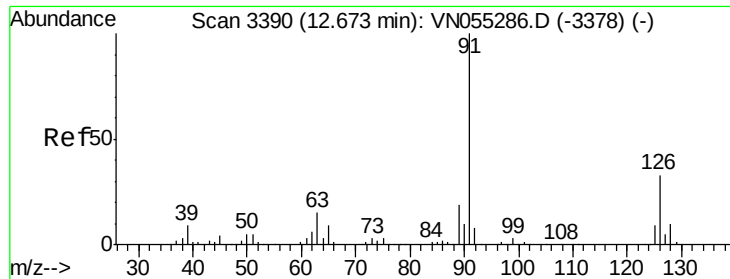
120 21.7 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

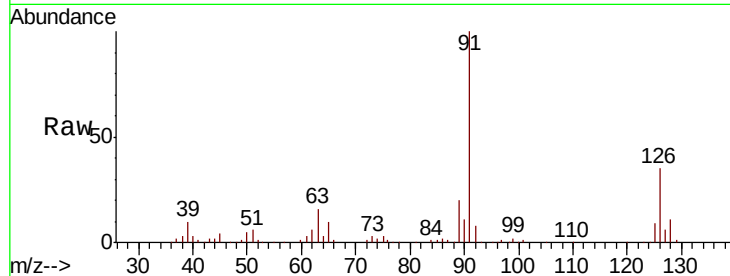




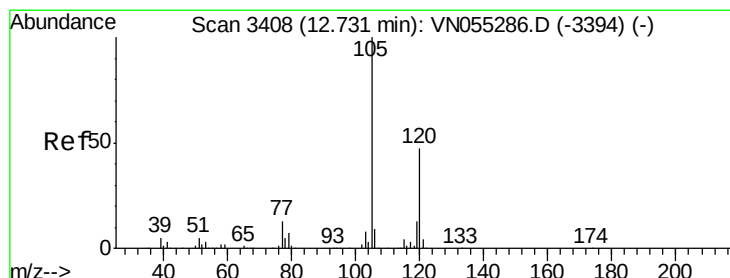
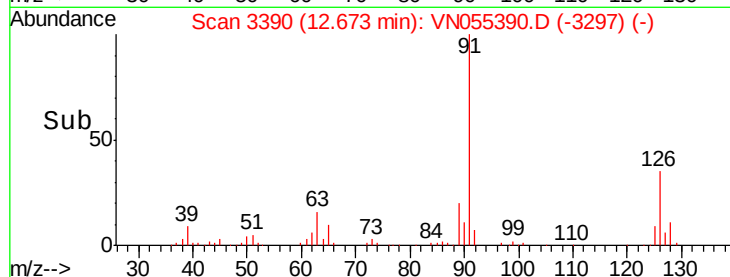
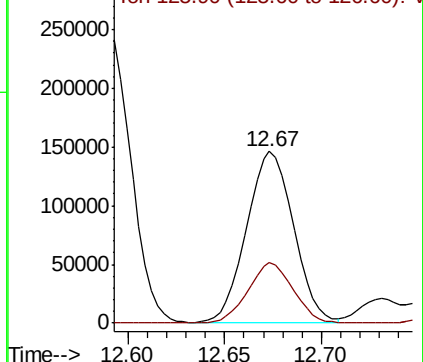
#79
 2-Chlorotoluene
 Concen: 20.780 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0503WBSD01

Tot Ion: 91 Resp: 246305
 Ion Ratio Lower Upper
 91 100
 126 34.0 16.6 49.7

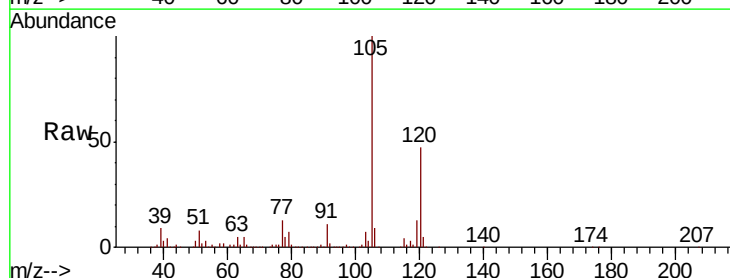


Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3378) (-)
 Ion 125.90 (125.60 to 126.60): VN055286.D (-3378) (-)

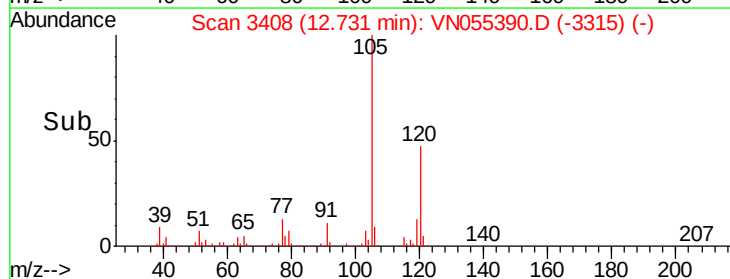
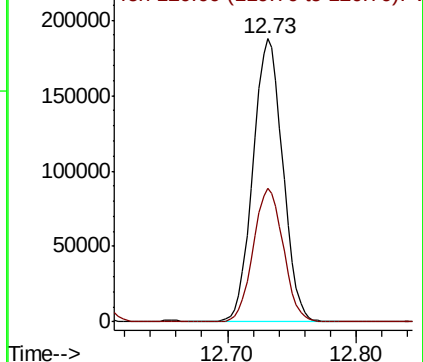


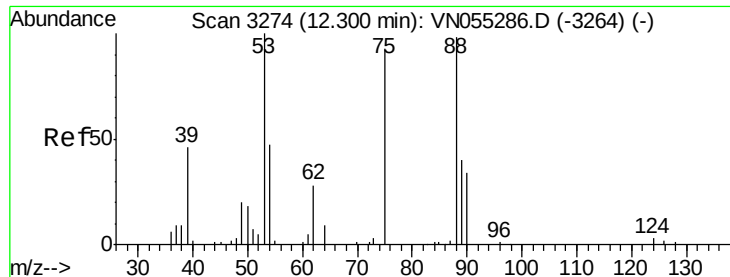
#80
 1,3,5-Trimethylbenzene
 Concen: 19.033 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

Tgt Ion: 105 Resp: 303612
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055286.D (-3394) (-)
 Ion 120.00 (119.70 to 120.70): VN055286.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.079 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0503WBSD01

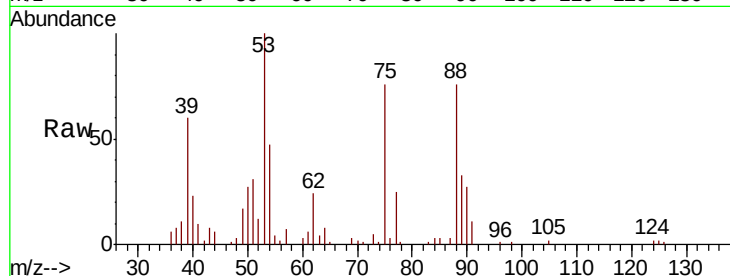
Tot Ion: 75 Resp: 18338

Ion Ratio Lower Upper

75 100

53 130.5 86.3 129.5#

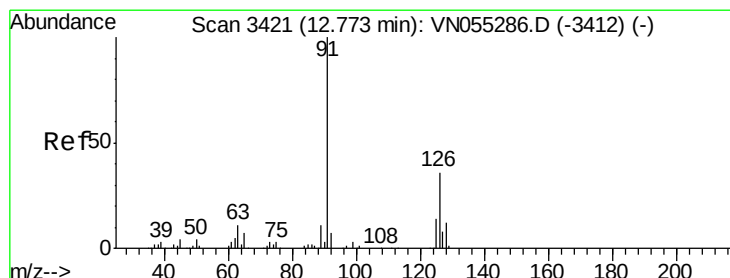
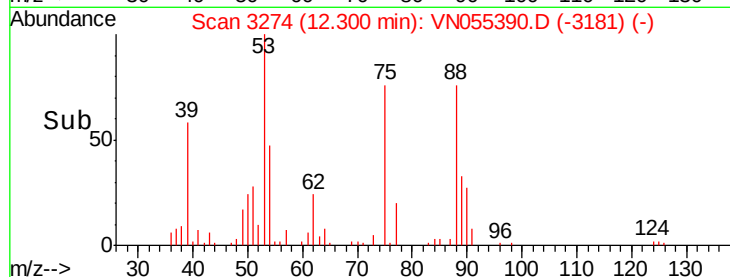
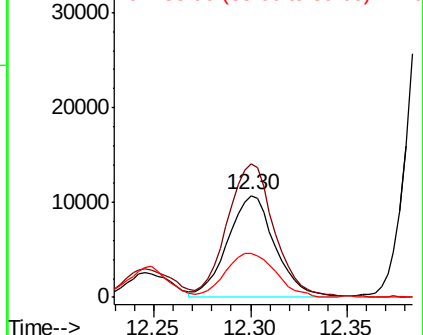
89 45.9 34.6 51.8



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: 19.023 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055390.D

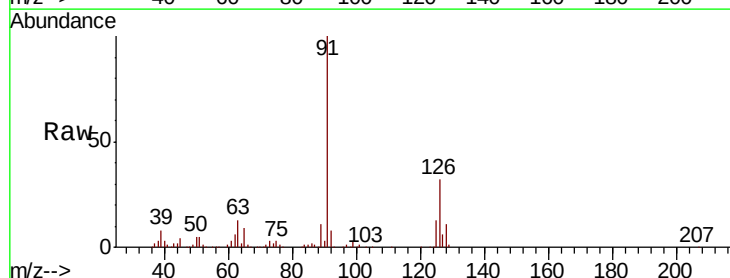
Acq: 3 May 2019 15:22

Tgt Ion: 91 Resp: 231178

Ion Ratio Lower Upper

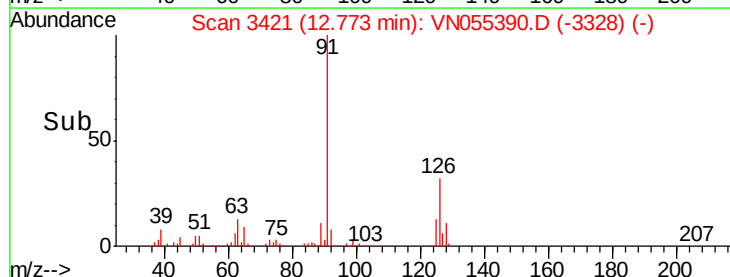
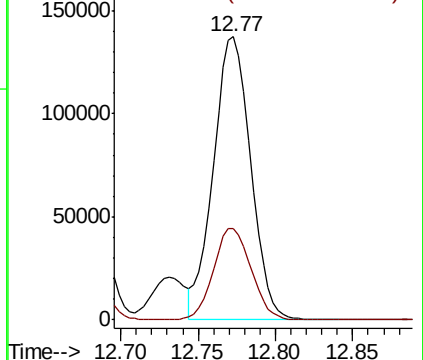
91 100

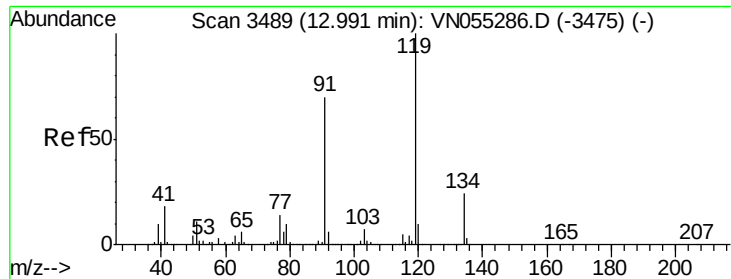
126 32.6 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

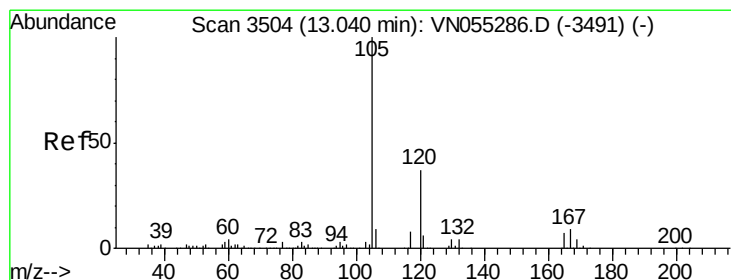
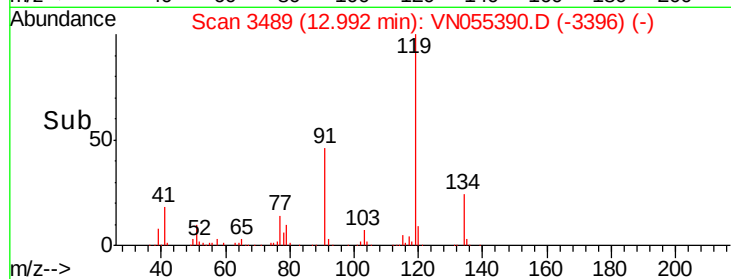
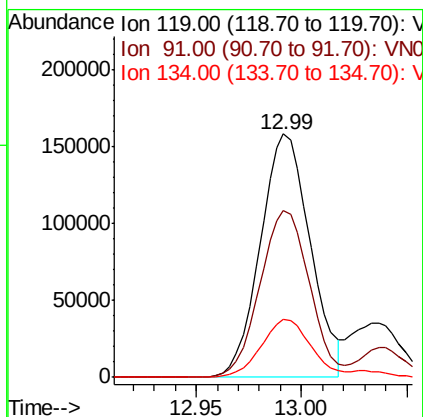
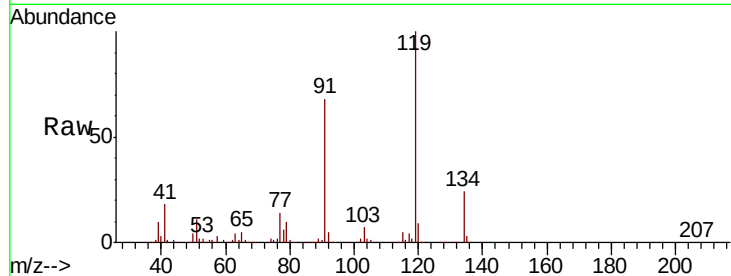




#83
 tert-Butylbenzene
 Concen: 21.412 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

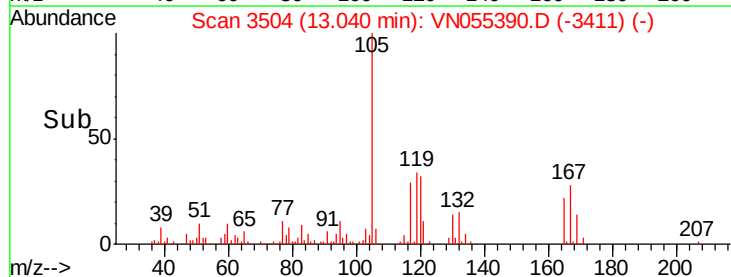
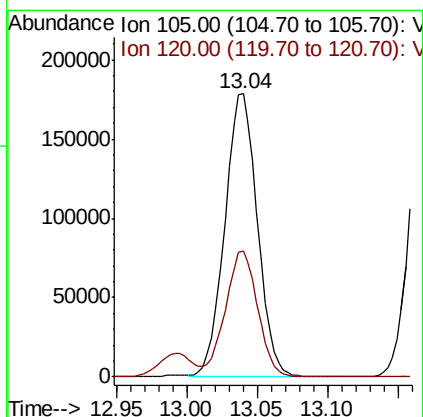
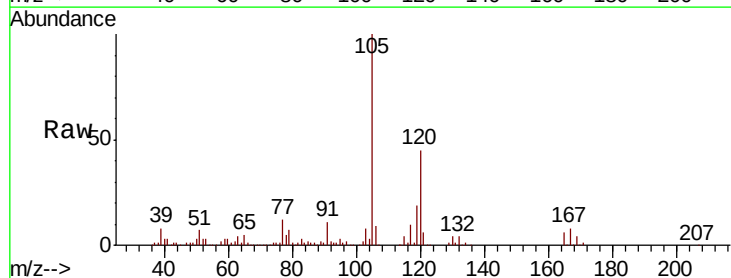
Instrument :
 MSVOA_N
 ClientSampled :
 VN0503WBSD01

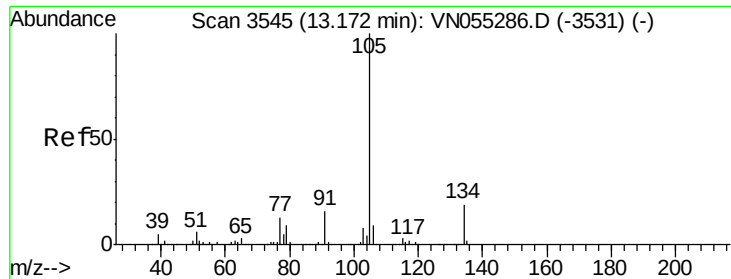
Tot Ion:119 Resp: 260547
 Ion Ratio Lower Upper
 119 100
 91 68.2 34.3 102.9
 134 23.6 13.1 39.3



#84
 1,2,4-Trimethylbenzene
 Concen: 20.220 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

Tgt Ion:105 Resp: 288461
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.1 66.5





#85

sec-Butylbenzene

Concen: 18.949 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

ClientSampleId :

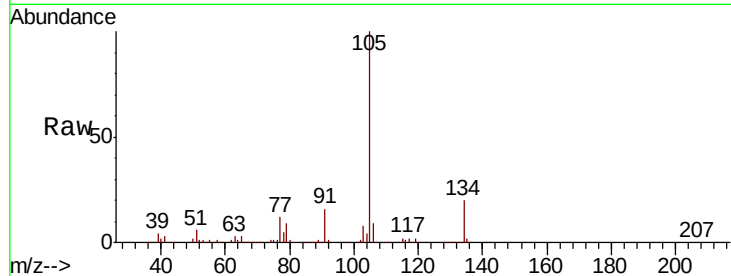
VN0503WBSD01

Tot Ion:105 Resp: 328534

Ion Ratio Lower Upper

105 100

134 20.1 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

200000

150000

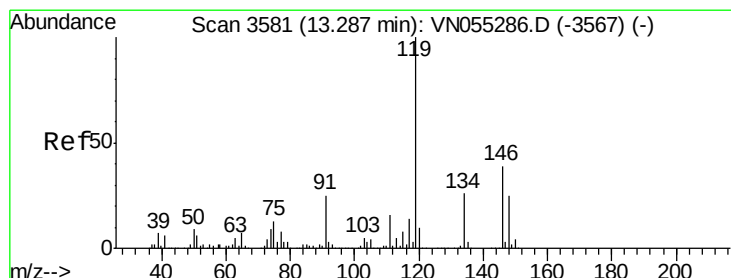
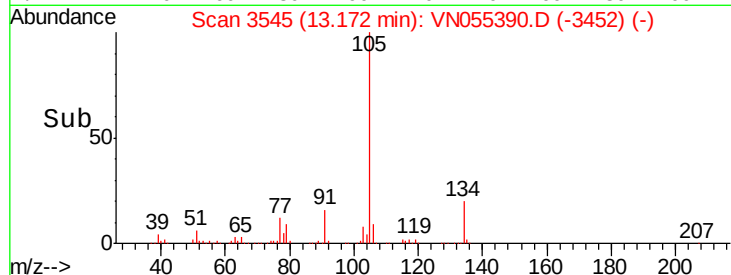
100000

50000

0

Time-->

13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 19.327 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

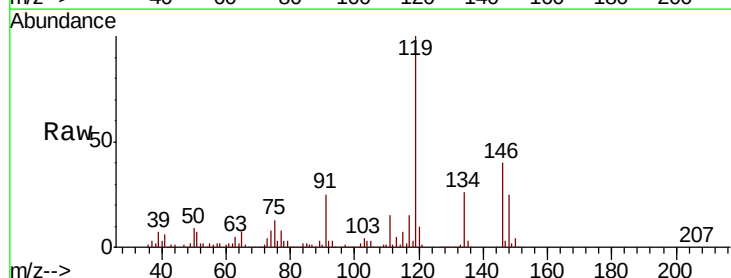
Tgt Ion:119 Resp: 275410

Ion Ratio Lower Upper

119 100

134 26.3 13.0 38.9

91 24.4 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

13.29

200000

150000

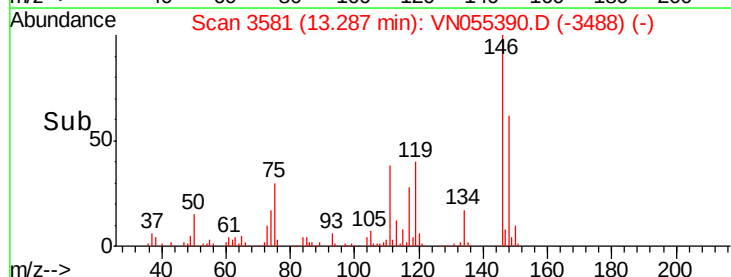
100000

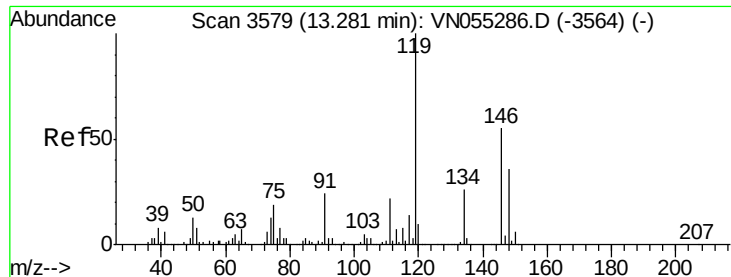
50000

0

Time-->

13.20 13.25 13.30 13.35

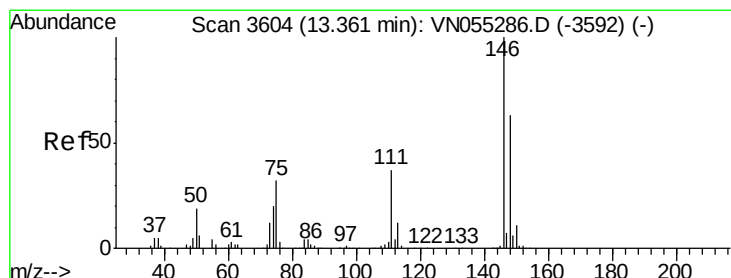
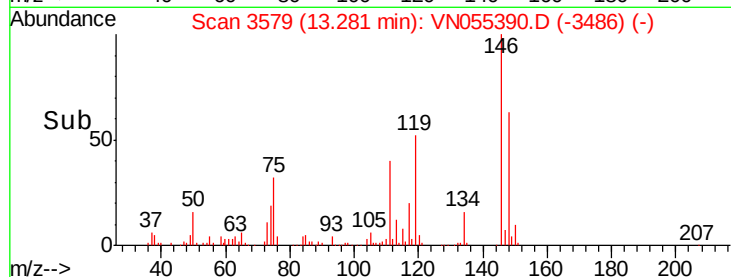
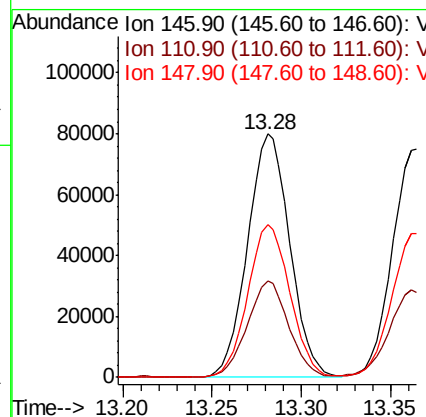
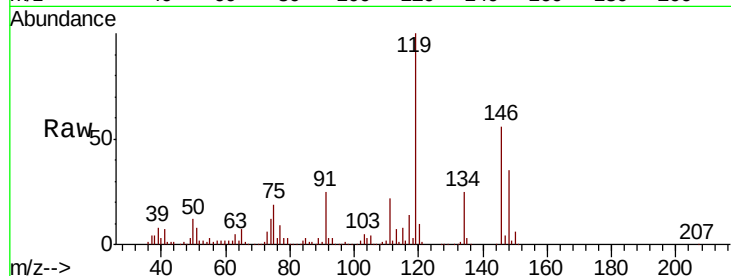




#87
 1,3-Dichlorobenzene
 Concen: 19.439 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

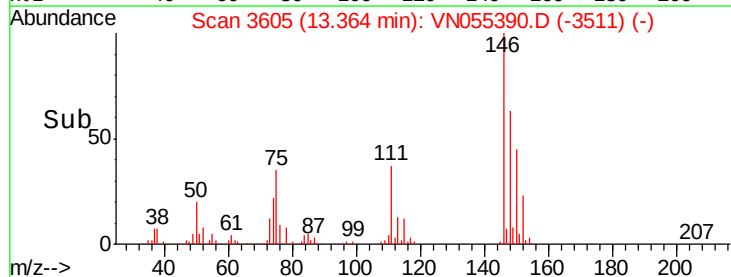
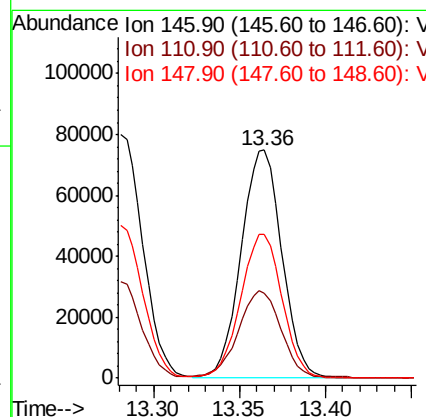
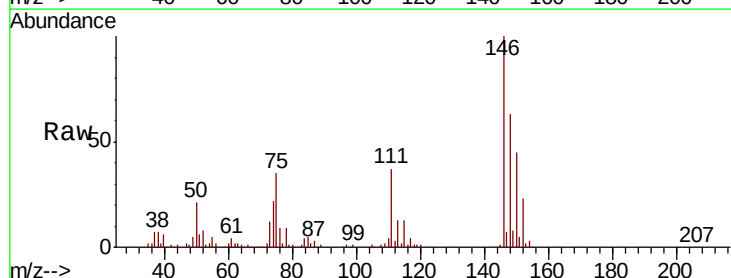
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503WBSD01

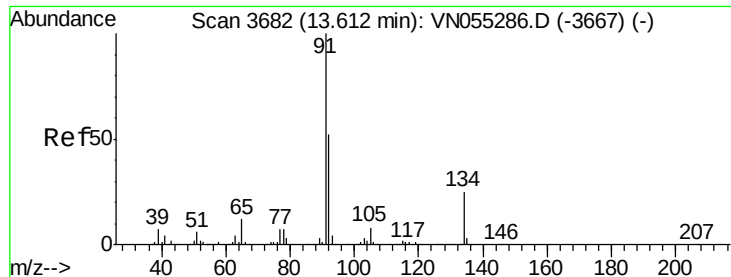
Tot Ion:146 Resp: 132357
 Ion Ratio Lower Upper
 146 100
 111 39.1 20.3 60.8
 148 62.8 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 19.271 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

Tgt Ion:146 Resp: 123566
 Ion Ratio Lower Upper
 146 100
 111 40.8 19.5 58.5
 148 64.1 32.5 97.4





#89

n-Butylbenzene

Concen: 19.305 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

ClientSampled :

VN0503WBSD01

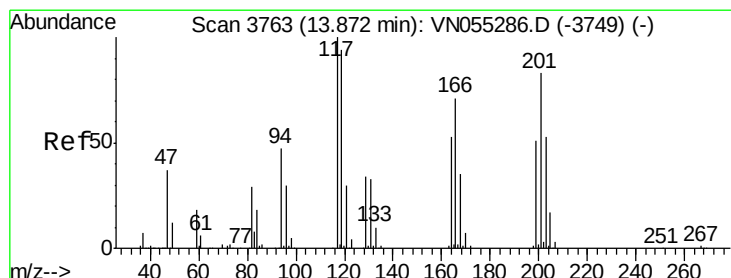
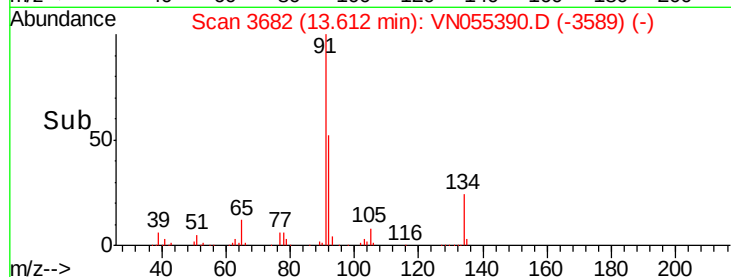
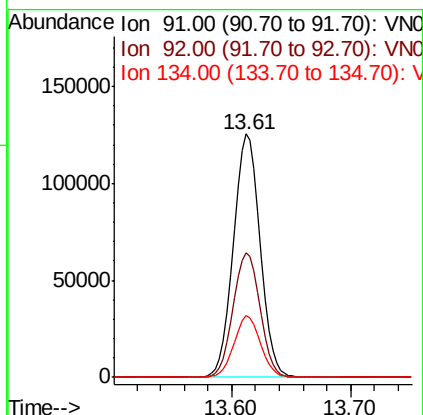
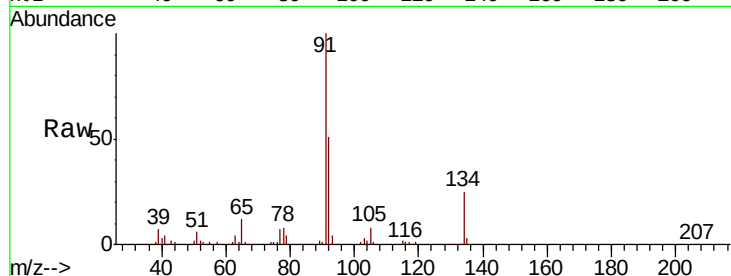
Tot Ion: 91 Resp: 195488

Ion Ratio Lower Upper

91 100

92 51.8 26.1 78.3

134 25.2 12.4 37.4



#90

Hexachloroethane

Concen: 19.334 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN055390.D

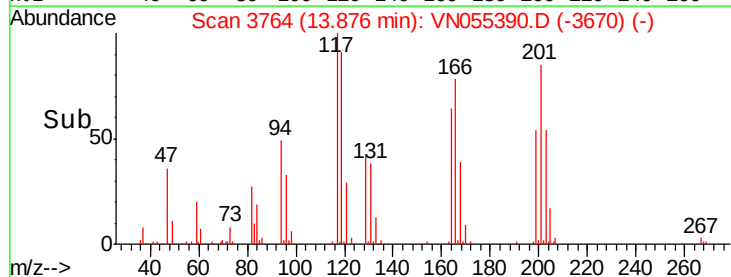
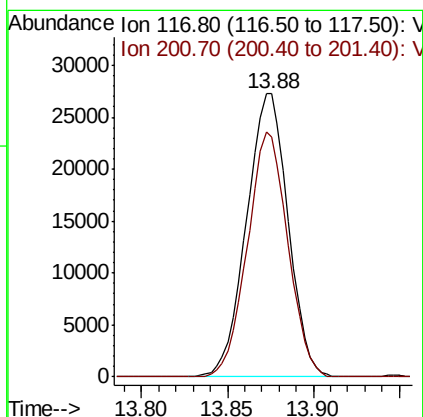
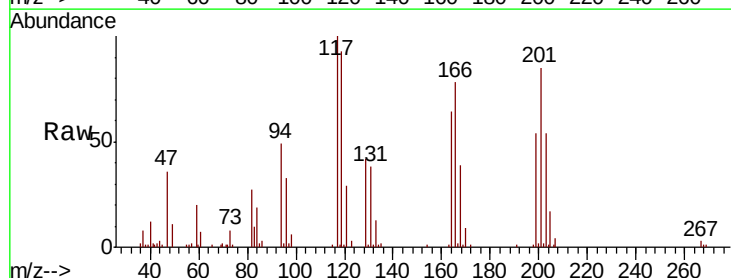
Acq: 3 May 2019 15:22

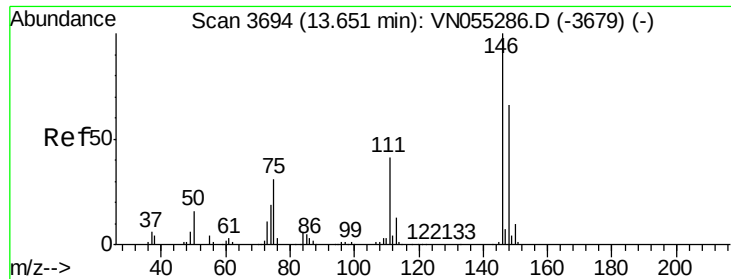
Tgt Ion: 117 Resp: 45804

Ion Ratio Lower Upper

117 100

201 83.6 41.9 125.8

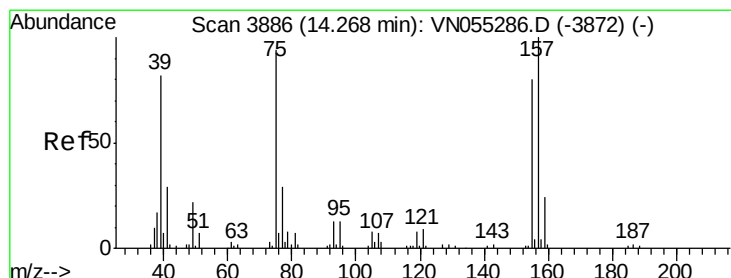
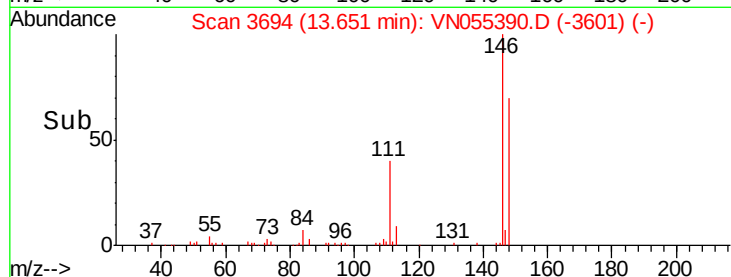
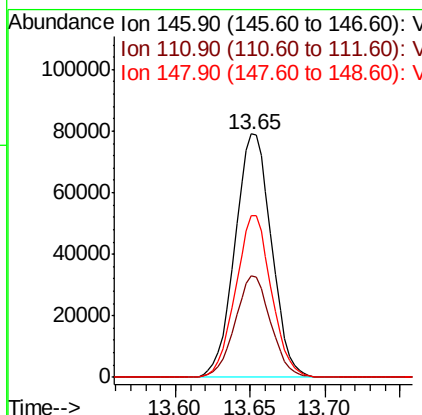
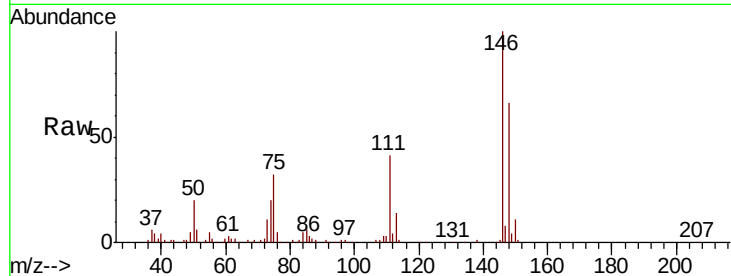




#91
 1,2-Dichlorobenzene
 Concen: 19.847 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

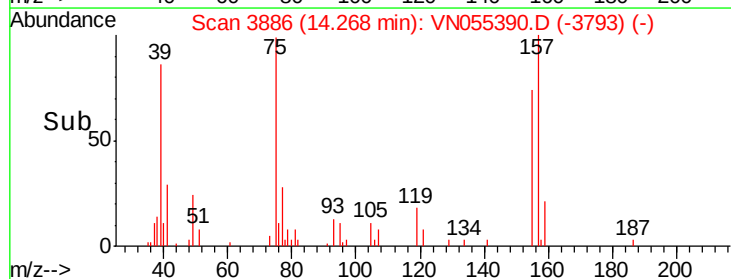
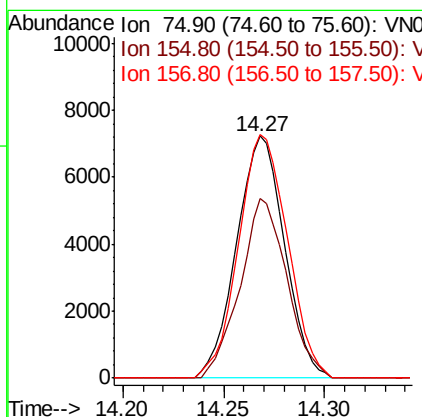
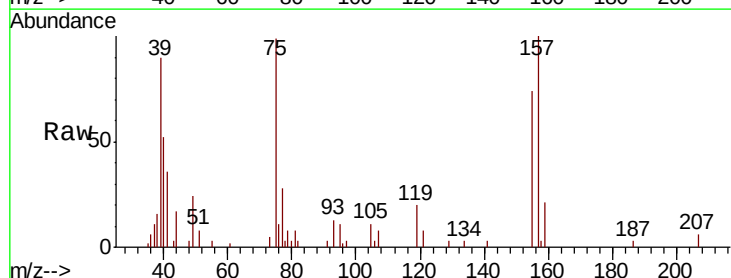
Instrument :
 MSVOA_N
 ClientSampled :
 VN0503WBSD01

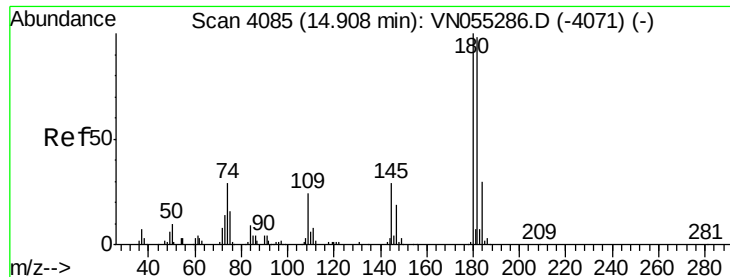
Tot Ion:146 Resp: 133937
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.3 61.0
 148 65.2 32.4 97.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.456 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

Tgt Ion: 75 Resp: 12021
 Ion Ratio Lower Upper
 75 100
 155 72.4 41.5 124.6
 157 102.8 54.0 162.2

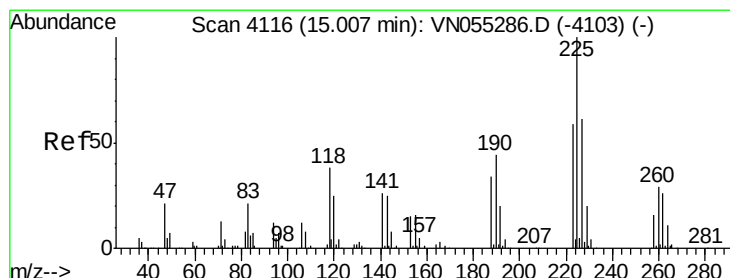
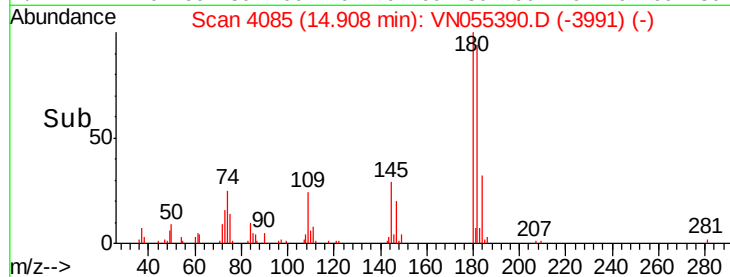
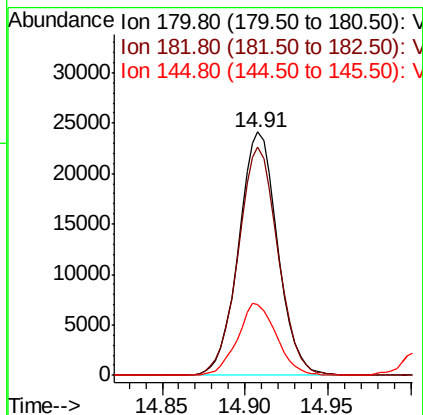
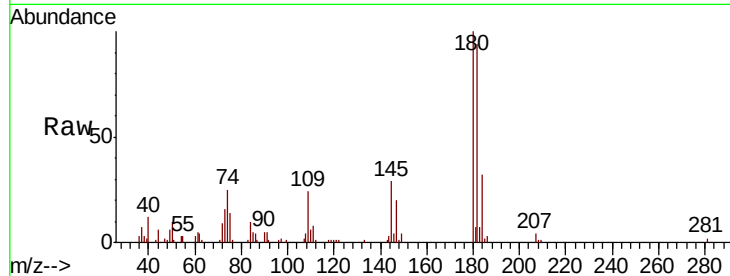




#93
 1,2,4-Trichlorobenzene
 Concen: 17.112 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

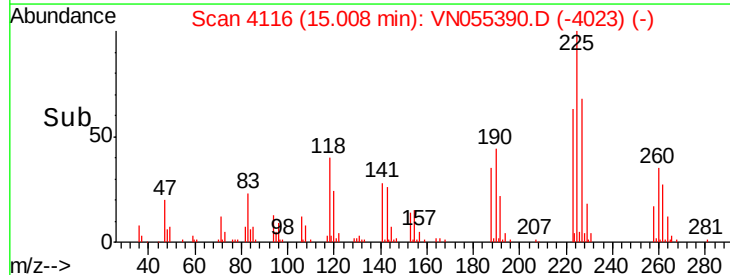
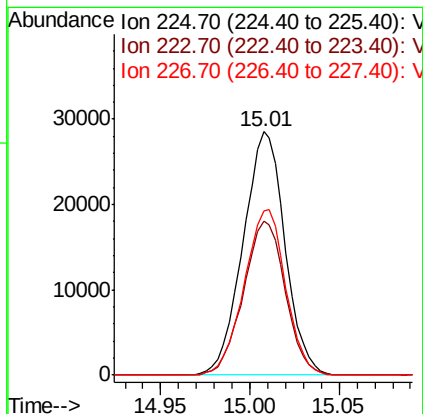
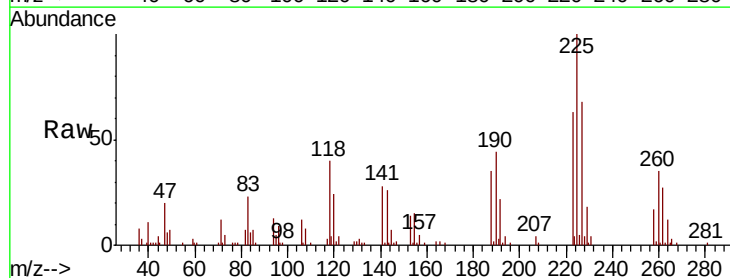
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503WBSD01

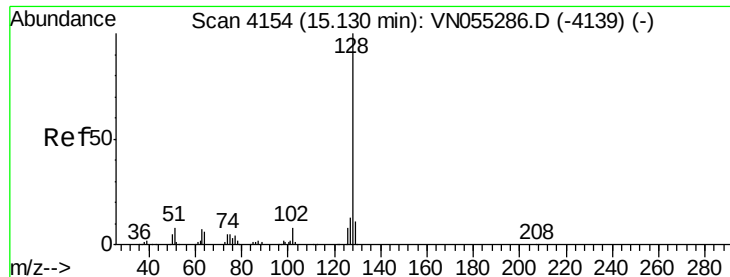
Tot Ion:180 Resp: 39322
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.3 144.9
 145 29.5 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 21.423 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

Tgt Ion:225 Resp: 46751
 Ion Ratio Lower Upper
 225 100
 223 63.1 30.3 90.8
 227 67.3 30.9 92.7





#95

Naphthalene

Concen: 16.731 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0503WBSD01

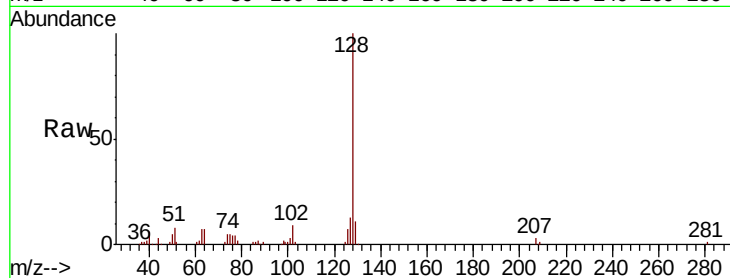
Tot Ion:128 Resp: 81205

Ion Ratio Lower Upper

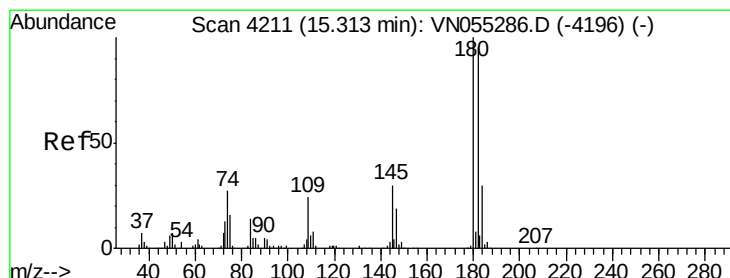
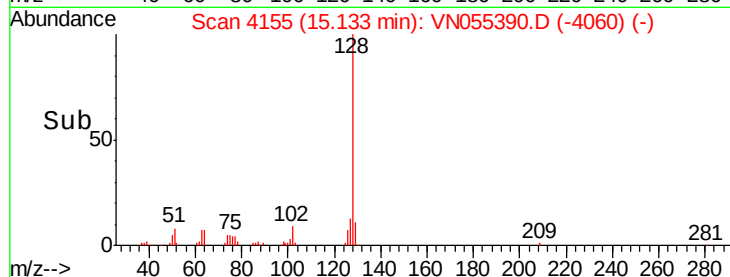
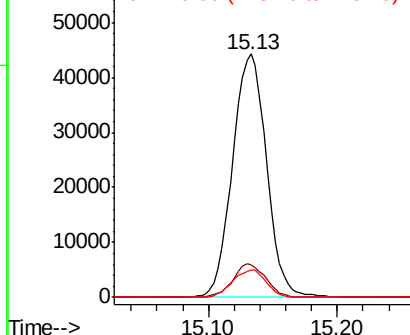
128 100

127 13.0 10.7 16.1

129 11.0 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: 18.609 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

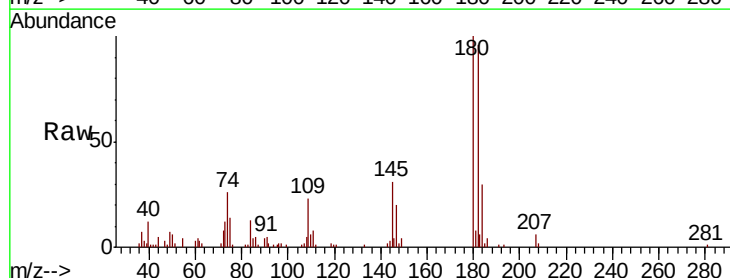
Tgt Ion:180 Resp: 44222

Ion Ratio Lower Upper

180 100

182 96.4 48.3 144.9

145 29.1 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

