

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055452.D
 Acq On : 7 May 2019 22:13
 Operator : JC/SP
 Sample : VN0507MBS02
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBS02

Quant Time: May 08 05:53:41 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	330870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	551905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	458747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	179408	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	240202	55.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.98%	
35) Dibromofluoromethane	7.59	113	183339	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
50) Toluene-d8	10.09	98	638757	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
62) 4-Bromofluorobenzene	12.40	95	214671	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	72189	17.807	ug/l	100
3) Chloromethane	2.06	50	82186	16.373	ug/l	99
4) Vinyl Chloride	2.19	62	70904	17.523	ug/l	98
5) Bromomethane	2.56	94	40121	18.719	ug/l	96
6) Chloroethane	2.71	64	41131	18.764	ug/l	97
7) Trichlorofluoromethane	3.02	101	111221	19.330	ug/l	98
8) Diethyl Ether	3.42	74	43972	21.844	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	65320	19.065	ug/l	99
10) Methyl Iodide	3.96	142	83666	17.351	ug/l	99
11) Tert butyl alcohol	4.80	59	38562	155.605	ug/l	96
12) 1,1-Dichloroethene	3.74	96	60950	18.648	ug/l	99
13) Acrolein	3.62	56	11449	59.156	ug/l	99
14) Allyl chloride	4.33	41	134794	19.913	ug/l	99
15) Acrylonitrile	5.00	53	180933	129.890	ug/l	99
16) Acetone	3.82	43	139325	103.302	ug/l	98
17) Carbon Disulfide	4.06	76	127649	14.965	ug/l	99
18) Methyl Acetate	4.33	43	94666	28.365	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	215054	23.405	ug/l	100
20) Methylene Chloride	4.56	84	79455	19.301	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	64273	18.568	ug/l	97
22) Diisopropyl ether	5.96	45	299927	22.300	ug/l	94
23) Vinyl Acetate	5.90	43	1025283	116.311	ug/l	100
24) 1,1-Dichloroethane	5.85	63	148931	20.782	ug/l	100
25) 2-Butanone	6.84	43	228444	132.444	ug/l	97
26) 2,2-Dichloropropane	6.83	77	82861	16.744	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	81908	20.808	ug/l	98
28) Bromochloromethane	7.20	49	77895	21.564	ug/l	98
29) Tetrahydrofuran	7.22	42	156533	141.728	ug/l	98
30) Chloroform	7.37	83	142087	20.916	ug/l	97
31) Cyclohexane	7.66	56	124384	18.269	ug/l #	93
32) 1,1,1-Trichloroethane	7.57	97	112234	20.357	ug/l	98
36) 1,1-Dichloropropene	7.80	75	90835	17.183	ug/l	98
37) Ethyl Acetate	6.93	43	94164	23.241	ug/l	98
38) Carbon Tetrachloride	7.78	117	91627	17.968	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	101252	18.015	ug/l	98
40) Benzene	8.04	78	298237	19.137	ug/l	100
41) Methacrylonitrile	7.17	41	53593	24.819	ug/l #	70
42) 1,2-Dichloroethane	8.13	62	112823	20.441	ug/l	100
43) Isopropyl Acetate	8.17	43	165158	25.366	ug/l #	89
44) Trichloroethene	8.84	130	72164	18.165	ug/l	98
45) 1,2-Dichloropropane	9.12	63	90491	20.133	ug/l	99
46) Dibromomethane	9.21	93	49854	20.292	ug/l	97
47) Bromodichloromethane	9.40	83	107969	20.485	ug/l	96
48) Methyl methacrylate	9.20	41	76915	24.029	ug/l	99
49) 1,4-Dioxane	9.20	88	18644	563.457	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	485529	132.446	ug/l	98
52) Toluene	10.16	92	172070	19.244	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	92199	20.151	ug/l	93
54) cis-1,3-Dichloropropene	9.84	75	110981	19.454	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	72171	21.736	ug/l	98
56) Ethyl methacrylate	10.43	69	96905	23.711	ug/l	99
57) 1,3-Dichloropropane	10.71	76	123717	21.239	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	104941	91.037	ug/l	99
59) 2-Hexanone	10.75	43	313421	136.646	ug/l	98
60) Dibromochloromethane	10.90	129	71209	20.983	ug/l	99
61) 1,2-Dibromoethane	11.01	107	66735	21.745	ug/l	99
64) Tetrachloroethene	10.63	164	76254	20.326	ug/l	97
65) Chlorobenzene	11.43	112	177858	19.830	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	69017	19.652	ug/l	99
67) Ethyl Benzene	11.51	91	318196	19.646	ug/l	99
68) m/p-Xylenes	11.62	106	232769	40.263	ug/l	100
69) o-Xylene	11.95	106	117691	20.539	ug/l	100
70) Styrene	11.97	104	187885	21.355	ug/l	100
71) Bromoform	12.13	173	43912	22.533	ug/l #	99
73) Isopropylbenzene	12.25	105	320296	20.576	ug/l	99
74) N-amyl acetate	12.07	43	112370	24.405	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	91701	24.153	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	106282	30.910	ug/l #	100
77) Bromobenzene	12.53	156	74525	20.473	ug/l	96
78) n-propylbenzene	12.59	91	343689	18.649	ug/l	99
79) 2-Chlorotoluene	12.67	91	216034	20.656	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	266340	18.936	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20233	21.372	ug/l	95
82) 4-Chlorotoluene	12.77	91	198984	18.570	ug/l	99
83) tert-Butylbenzene	12.99	119	236304	22.113	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	245489	19.516	ug/l	100
85) sec-Butylbenzene	13.17	105	298967	19.557	ug/l	99
86) p-Isopropyltoluene	13.29	119	247556	19.702	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	116313	19.374	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	111816	19.778	ug/l	99
89) n-Butylbenzene	13.62	91	173869	19.474	ug/l	98
90) Hexachloroethane	13.87	117	41931	20.135	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	124403	20.907	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13531	28.668	ug/l	99

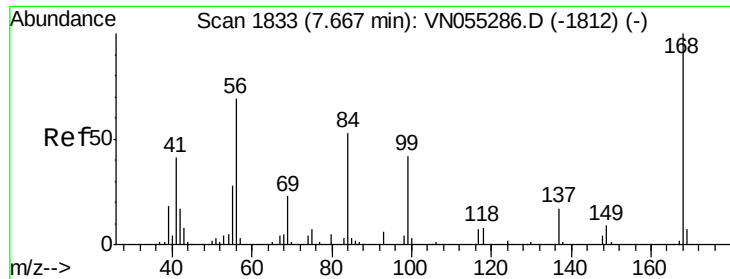
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050719\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	36470	17.828	ug/l	98
94) Hexachlorobutadiene	15.01	225	43994	23.063	ug/l	96
95) Naphthalene	15.13	128	82086	18.693	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	41291	19.553	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN055452.D

Acq: 7 May 2019 22:13

Instrument :

MSVOA_N

ClientSampleId :

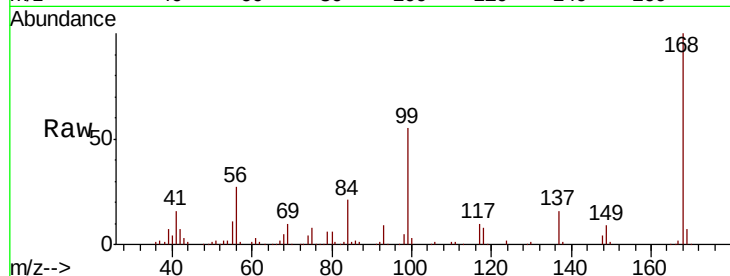
VN0507MBS02

Tot Ion:168 Resp: 330870

Ion Ratio Lower Upper

168 100

99 54.0 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

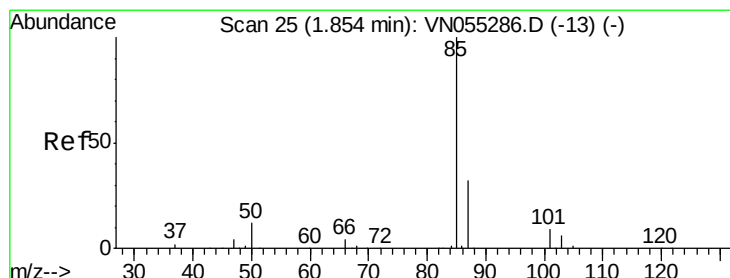
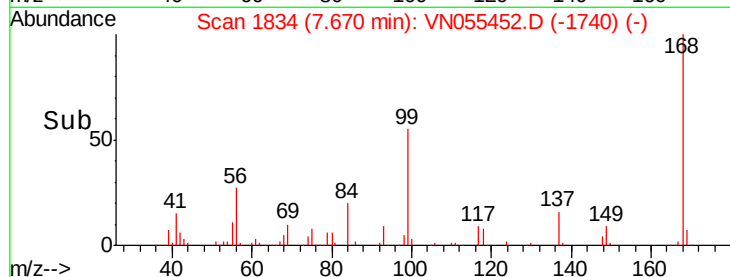
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 17.807 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055452.D

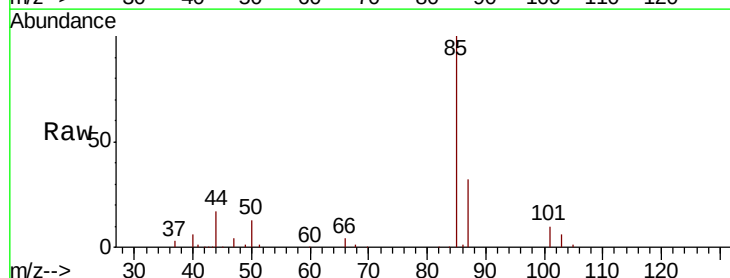
Acq: 7 May 2019 22:13

Tgt Ion: 85 Resp: 72189

Ion Ratio Lower Upper

85 100

87 32.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

60000

50000

40000

30000

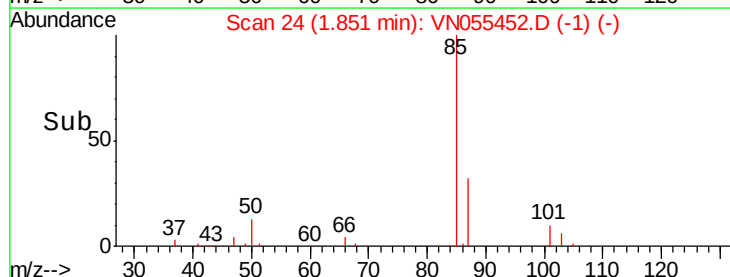
20000

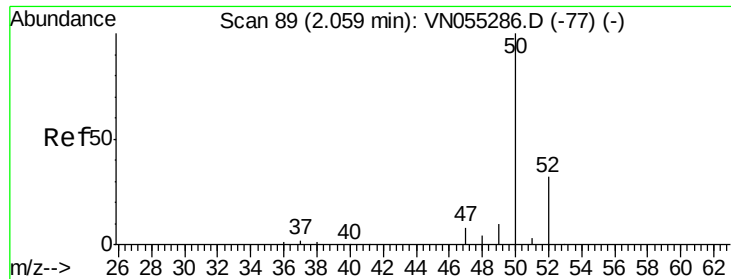
10000

0

1.80 1.85 1.90 1.95

Time-->

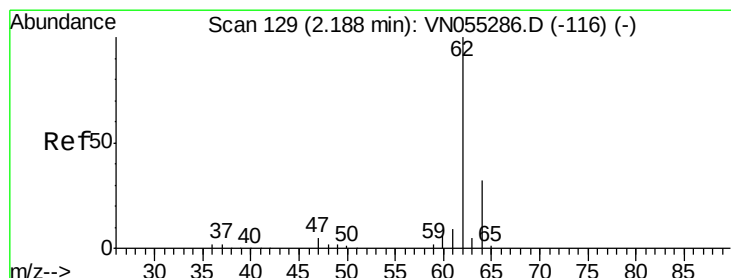
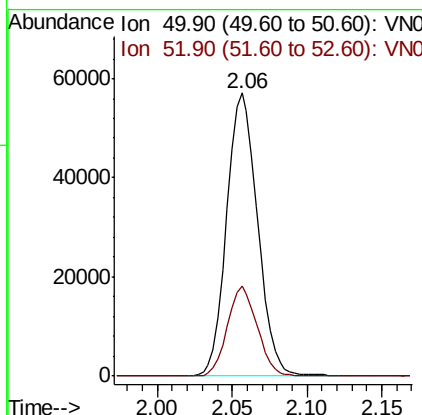
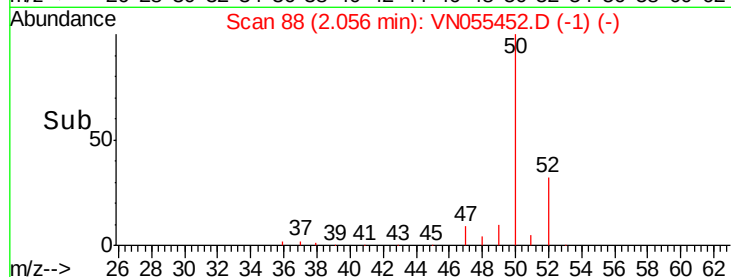
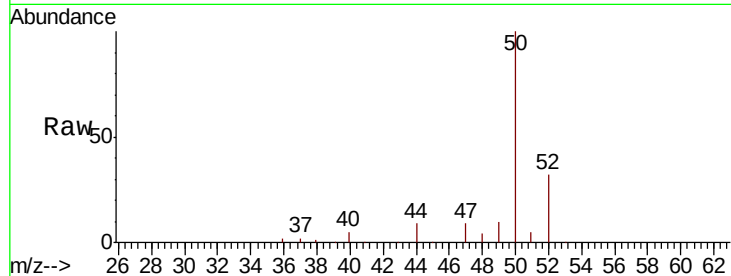




#3
 Chloromethane
 Concen: 16.373 ug/l
 RT: 2.06 min Scan# 88
 Delta R.T. -0.00 min
 Lab File: VN055452.D
 Acq: 7 May 2019 22:13

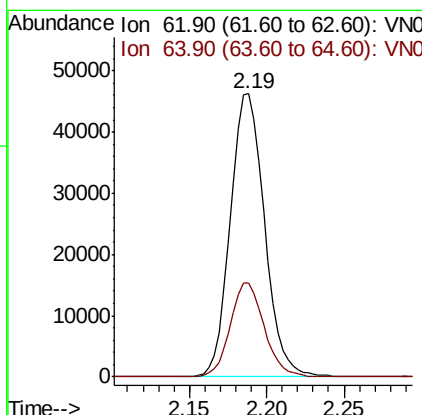
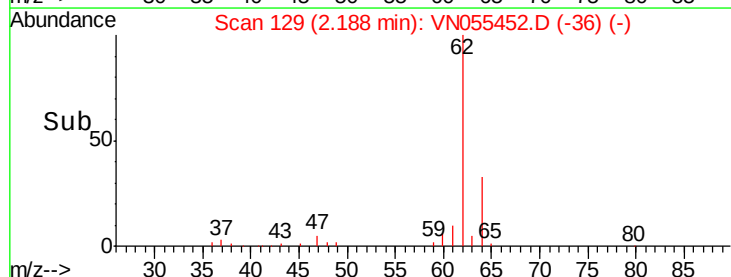
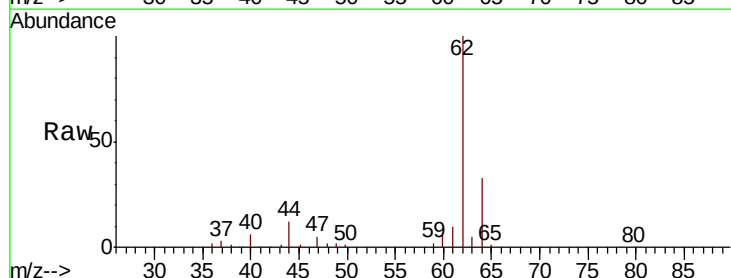
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBS02

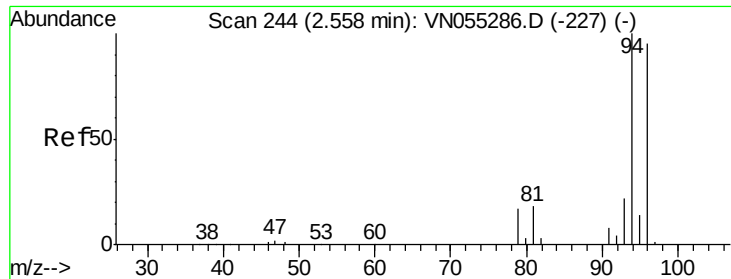
Tot Ion: 50 Resp: 82186
 Ion Ratio Lower Upper
 50 100
 52 31.7 25.7 38.5



#4
 Vinyl Chloride
 Concen: 17.523 ug/l
 RT: 2.19 min Scan# 129
 Delta R.T. 0.00 min
 Lab File: VN055452.D
 Acq: 7 May 2019 22:13

Tgt Ion: 62 Resp: 70904
 Ion Ratio Lower Upper
 62 100
 64 33.1 25.5 38.3





#5

Bromomethane

Concen: 18.719 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.01 min

Lab File: VN055452.D

Acq: 7 May 2019 22:13

Instrument :

MSVOA_N

ClientSampleId :

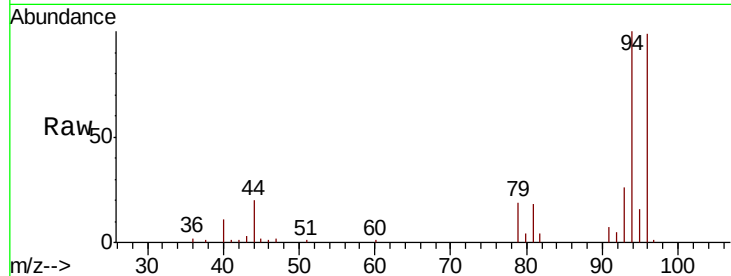
VN0507MBS02

Tot Ion: 94 Resp: 40121

Ion Ratio Lower Upper

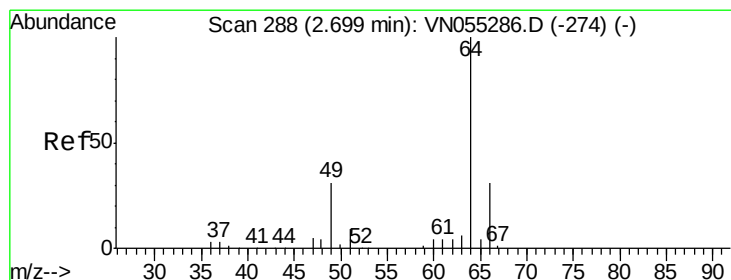
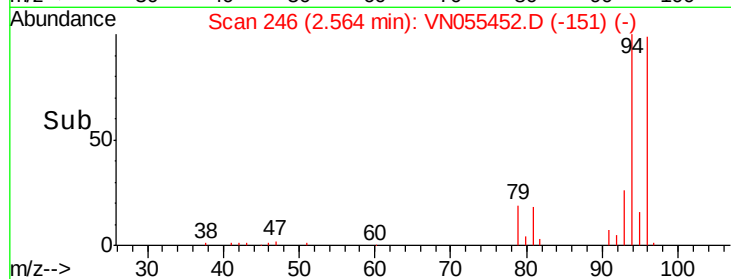
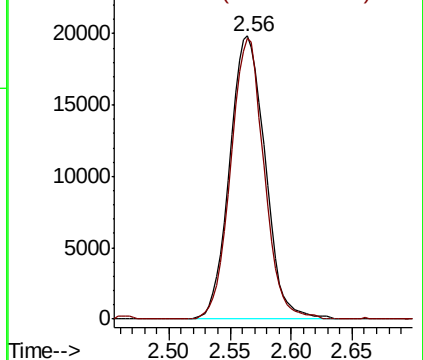
94 100

96 99.3 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: 18.764 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN055452.D

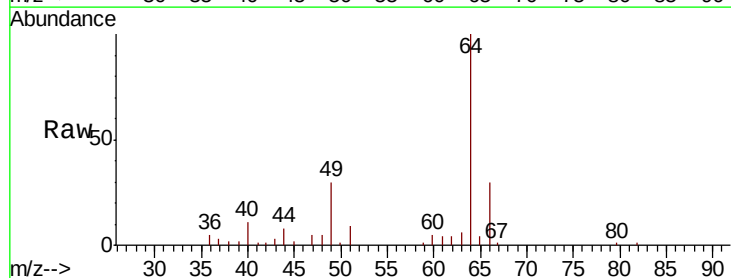
Acq: 7 May 2019 22:13

Tgt Ion: 64 Resp: 41131

Ion Ratio Lower Upper

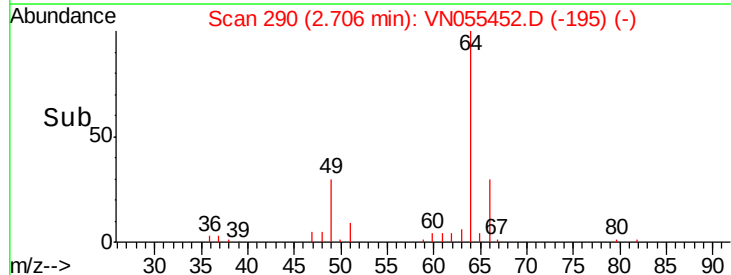
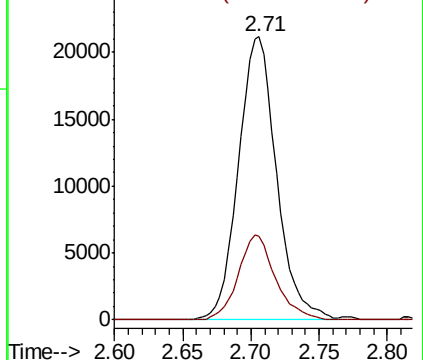
64 100

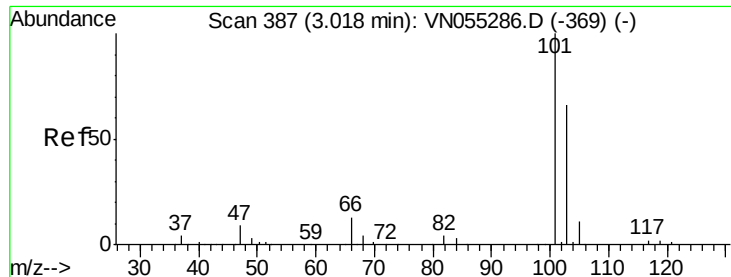
66 29.7 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



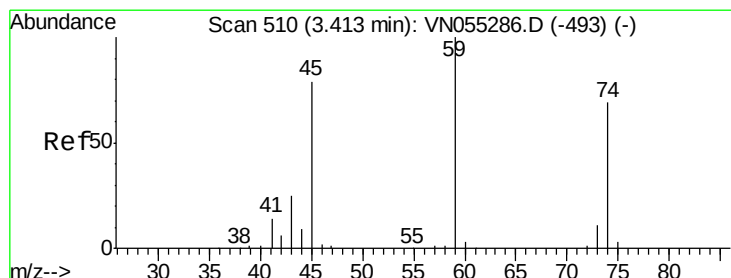
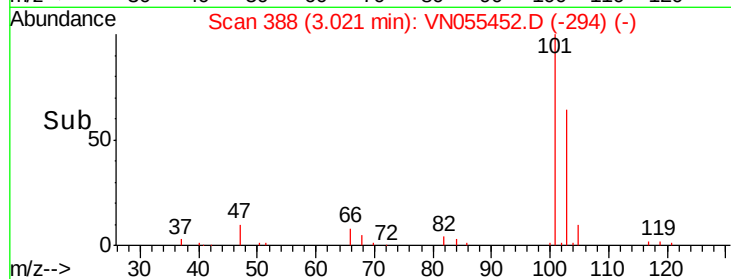
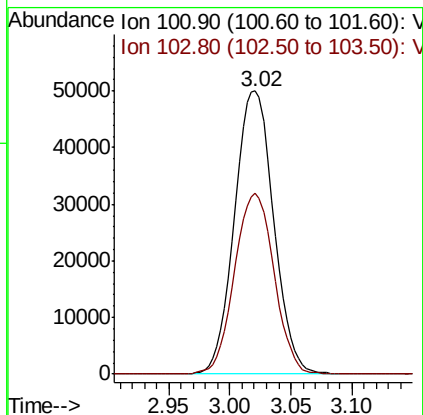
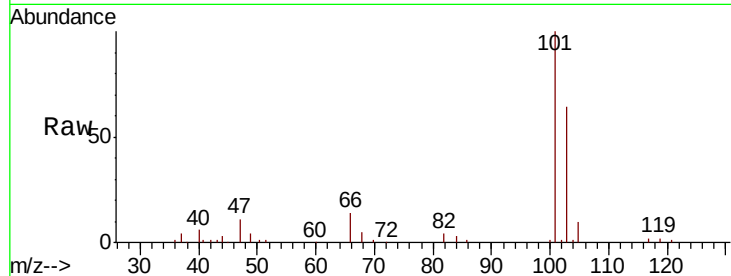


#7

Trichlorofluoromethane
 Concen: 19.330 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN055452.D
 Acq: 7 May 2019 22:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN0507MBS02

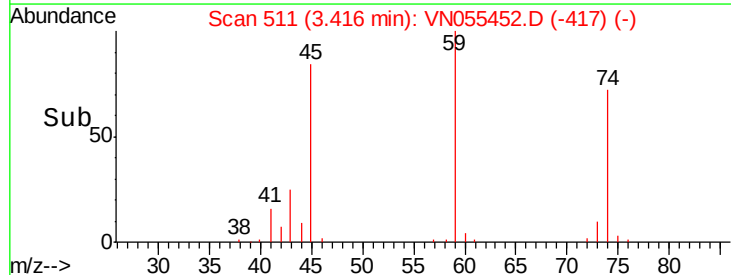
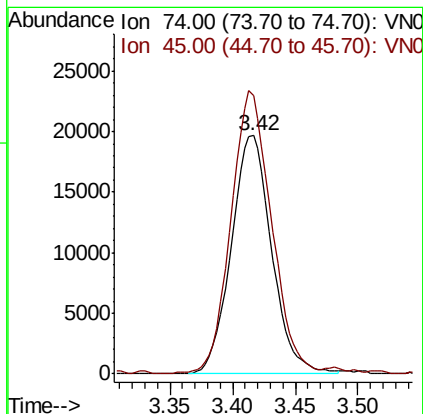
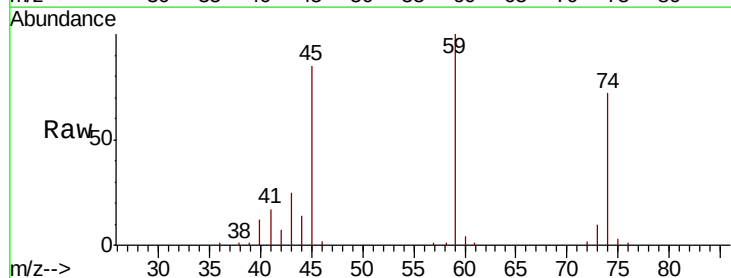
Tot Ion:101 Resp: 111221
 Ion Ratio Lower Upper
 101 100
 103 63.9 52.6 79.0

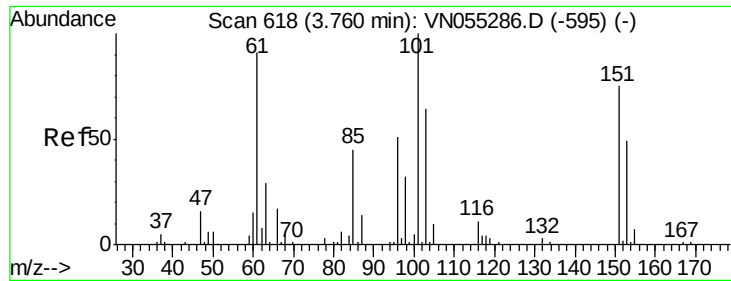


#8

Diethyl Ether
 Concen: 21.844 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN055452.D
 Acq: 7 May 2019 22:13

Tgt Ion: 74 Resp: 43972
 Ion Ratio Lower Upper
 74 100
 45 116.5 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.065 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN055452.D

Acq: 7 May 2019 22:13

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBS02

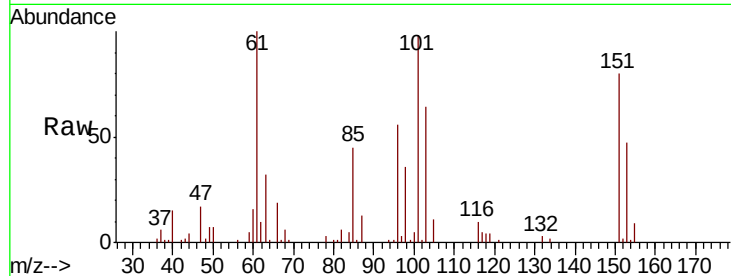
Tot Ion:101 Resp: 65320

Ion Ratio Lower Upper

101 100

85 44.8 35.7 53.5

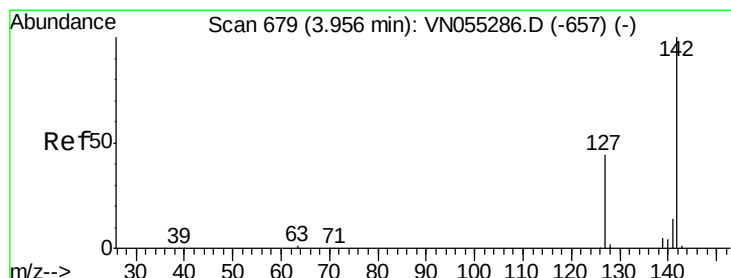
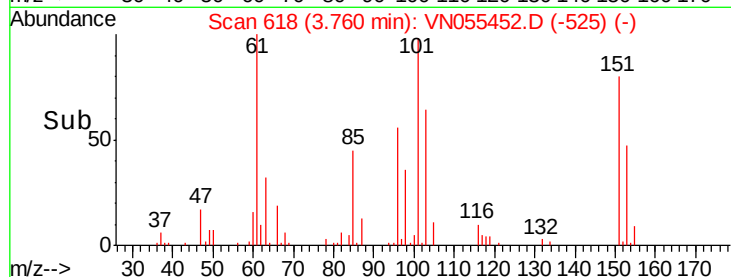
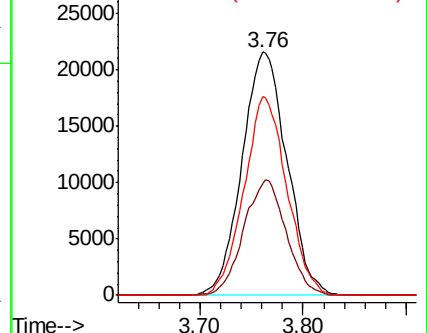
151 77.6 63.3 94.9



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: 17.351 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN055452.D

Acq: 7 May 2019 22:13

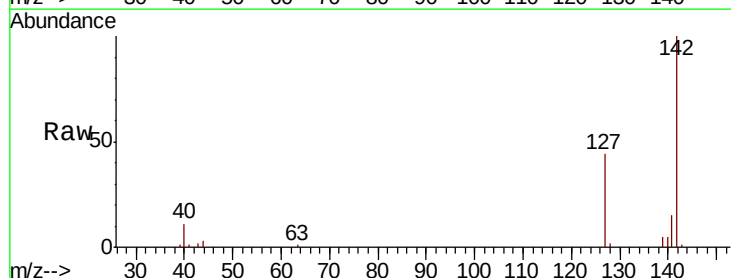
Tgt Ion:142 Resp: 83666

Ion Ratio Lower Upper

142 100

127 43.2 34.4 51.6

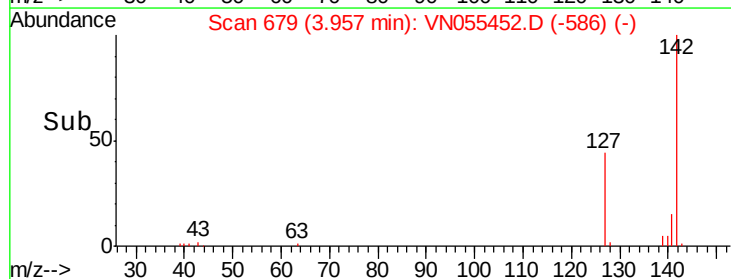
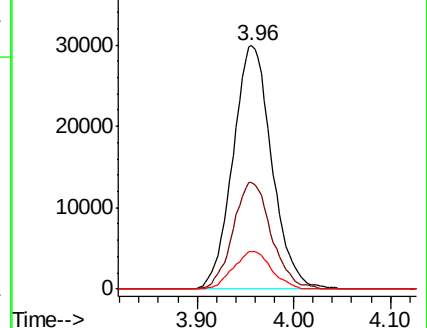
141 15.2 11.5 17.3

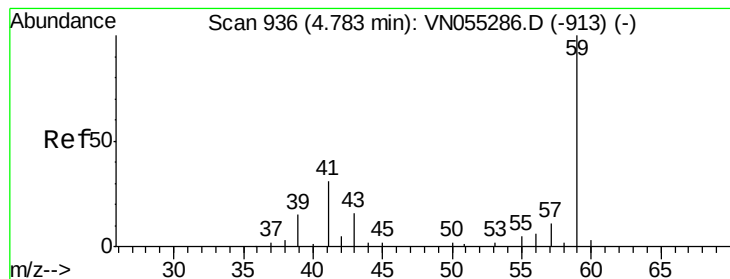


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



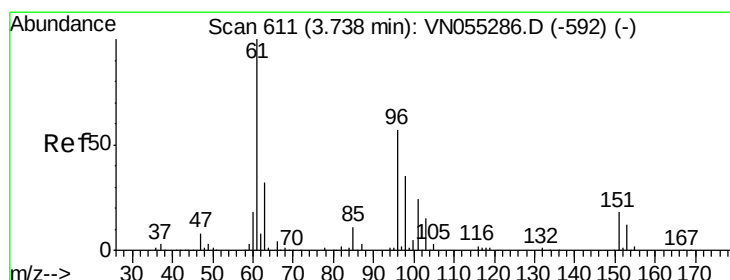
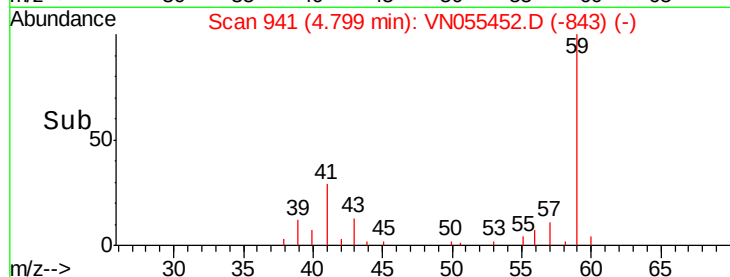
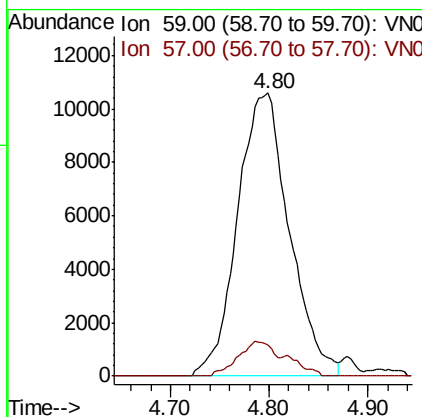
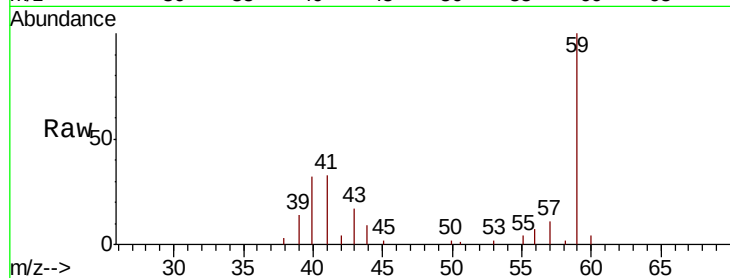


#11

Tert butyl alcohol
 Concen: 155.605 ug/l
 RT: 4.80 min Scan# 941
 Delta R.T. 0.02 min
 Lab File: VN055452.D
 Acq: 7 May 2019 22:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBS02

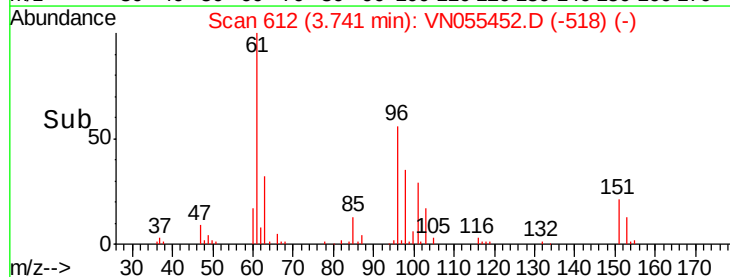
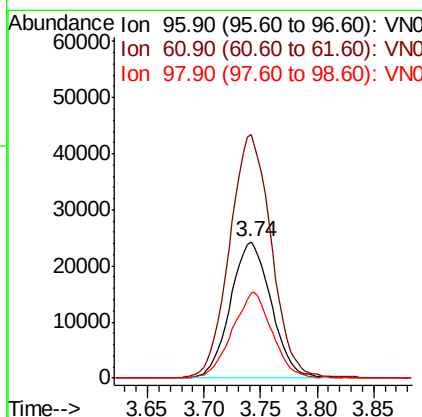
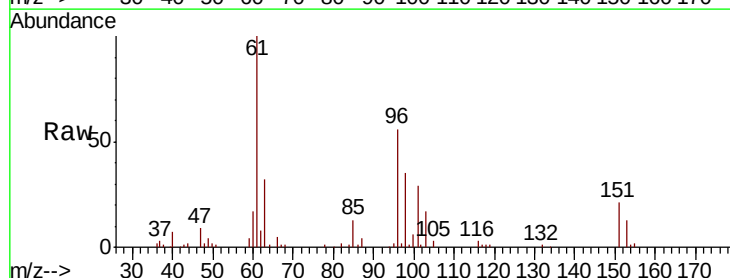
Tot Ion: 59 Resp: 38562
 Ion Ratio Lower Upper
 59 100
 57 8.6 8.2 12.2

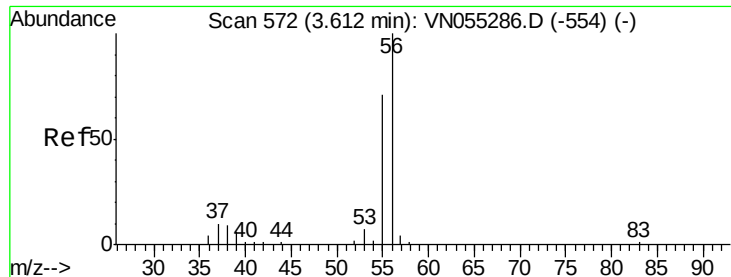


#12

1,1-Dichloroethene
 Concen: 18.648 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN055452.D
 Acq: 7 May 2019 22:13

Tgt Ion: 96 Resp: 60950
 Ion Ratio Lower Upper
 96 100
 61 177.3 140.9 211.3
 98 62.3 50.0 75.0





#13

Acrolein

Concen: 59.156 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.00 min

Lab File: VN055452.D

Acq: 7 May 2019 22:13

Instrument :

MSVOA_N

ClientSampleId :

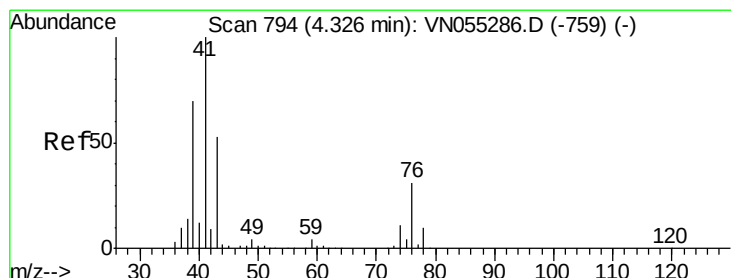
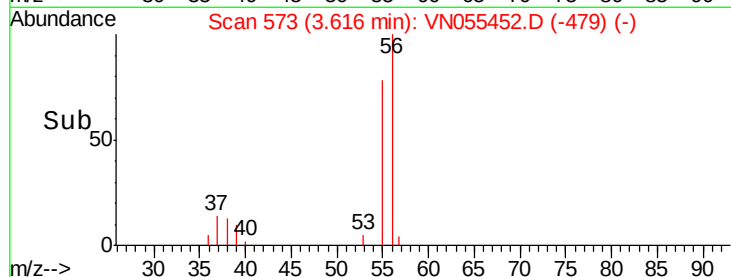
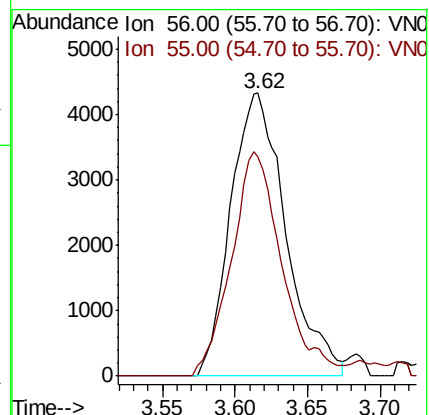
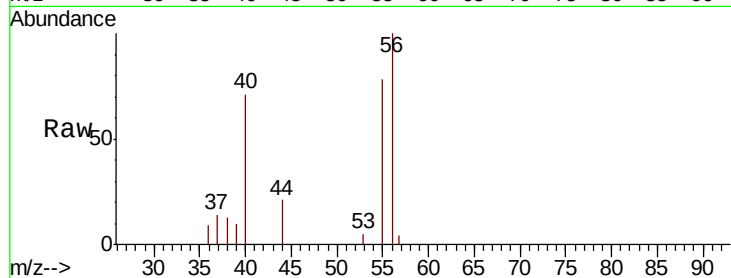
VN0507MBS02

Tot Ion: 56 Resp: 11449

Ion Ratio Lower Upper

56 100

55 72.5 57.4 86.2



#14

Allyl chloride

Concen: 19.913 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055452.D

Acq: 7 May 2019 22:13

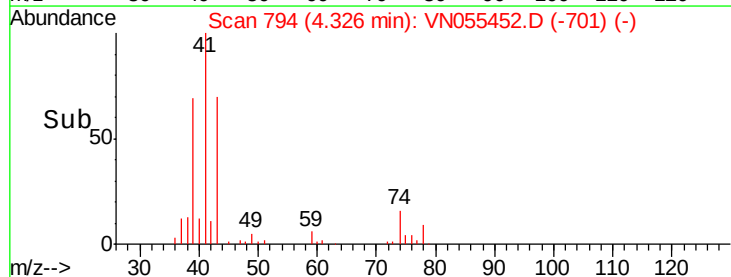
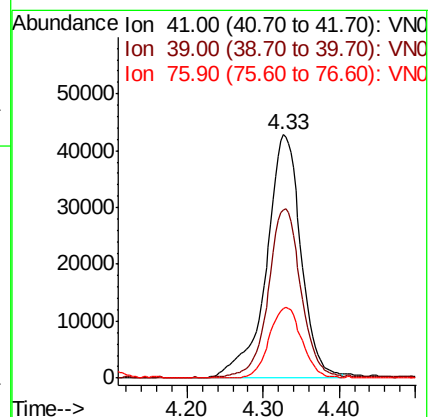
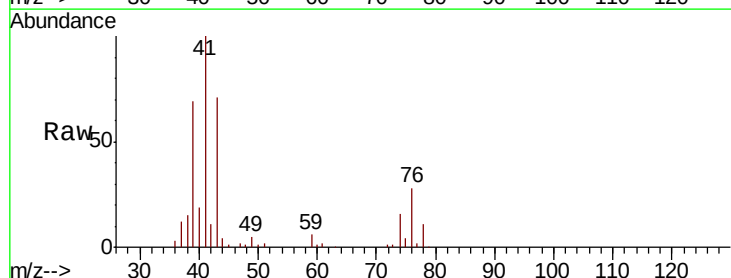
Tgt Ion: 41 Resp: 134794

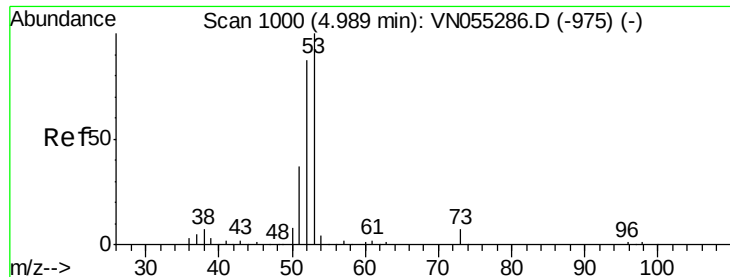
Ion Ratio Lower Upper

41 100

39 66.1 53.0 79.6

76 27.3 22.7 34.1





#15

Acrylonitrile

Concen: 129.890 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN055452.D

Acq: 7 May 2019 22:13

Instrument :

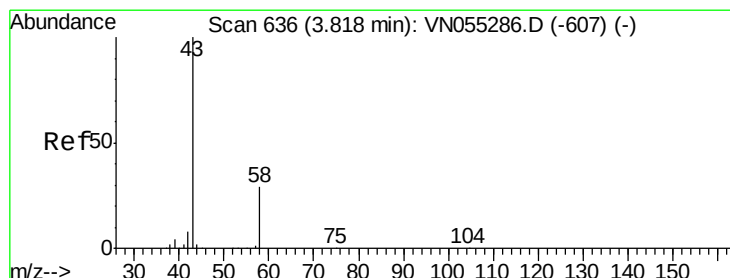
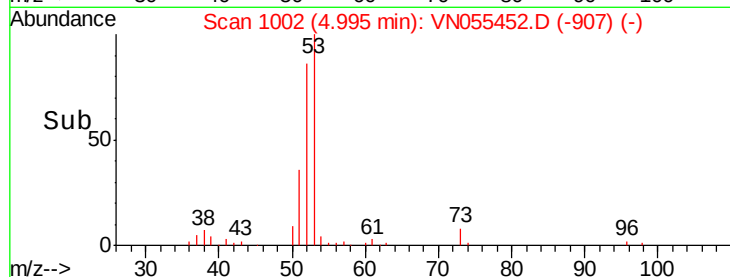
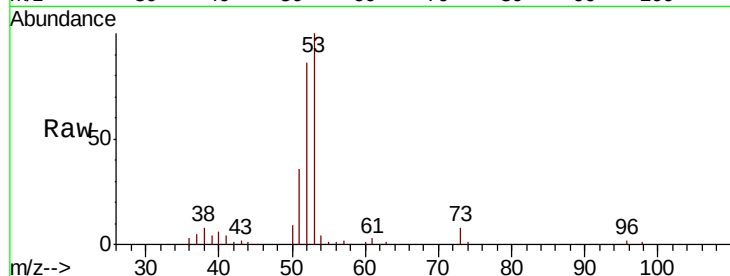
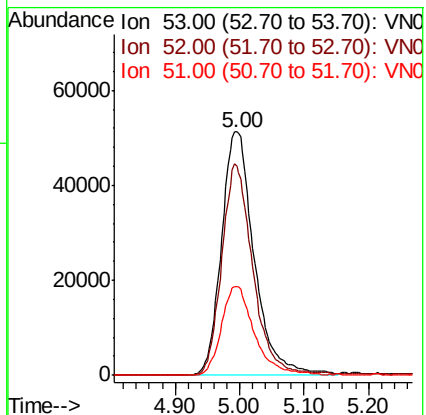
MSVOA_N

ClientSampleId :

VN0507MBS02

Tot Ion: 53 Resp: 180933

Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.5	99.7
51	36.4	29.6	44.4



#16

Acetone

Concen: 103.302 ug/l

RT: 3.82 min Scan# 637

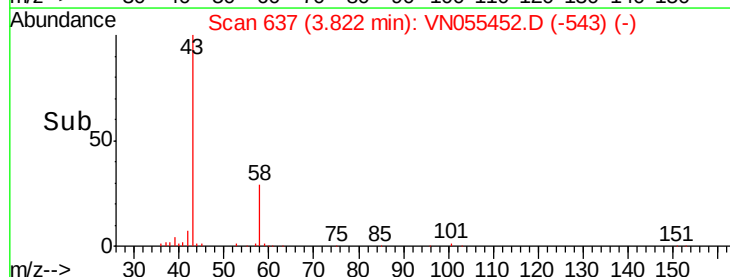
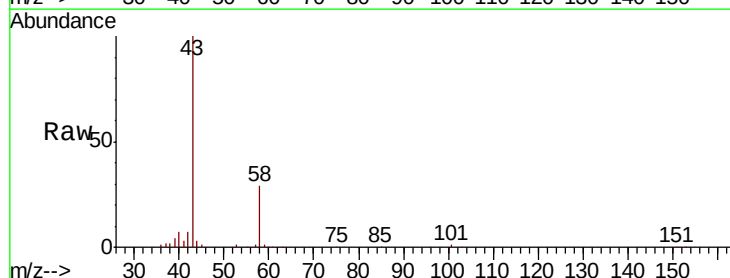
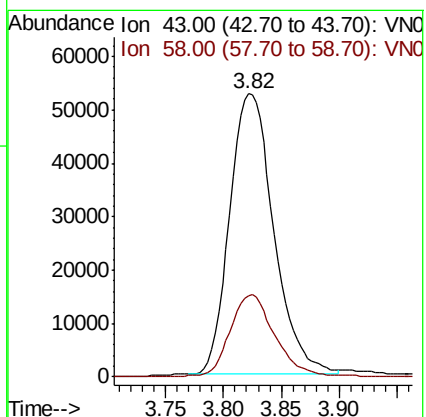
Delta R.T. 0.00 min

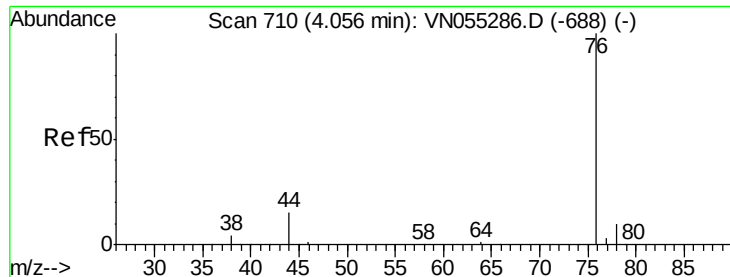
Lab File: VN055452.D

Acq: 7 May 2019 22:13

Tgt Ion: 43 Resp: 139325

Ion	Ratio	Lower	Upper
43	100		
58	28.5	23.6	35.4

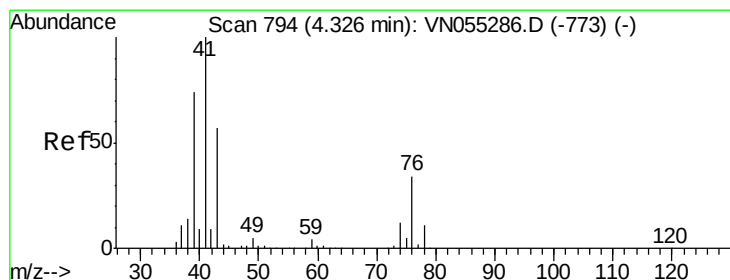
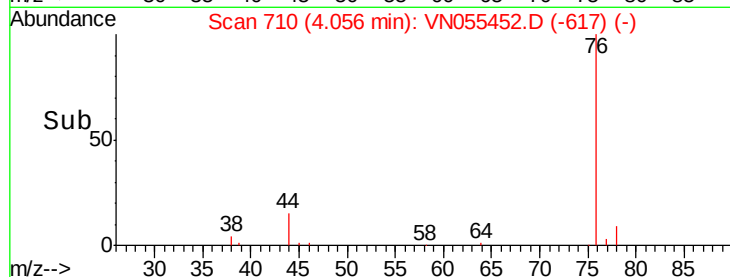
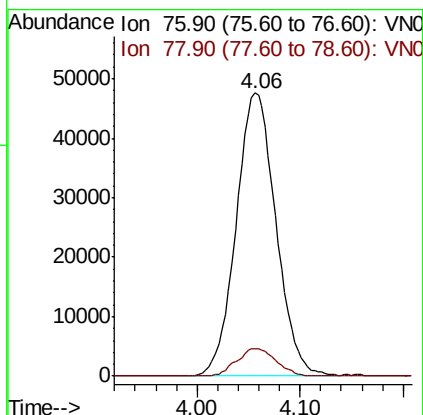
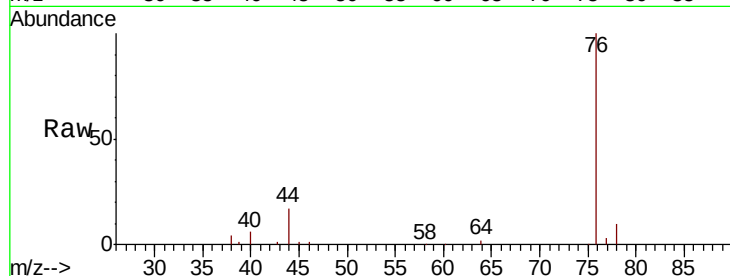




#17
Carbon Disulfide
Concen: 14.965 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN055452.D
Acq: 7 May 2019 22:13

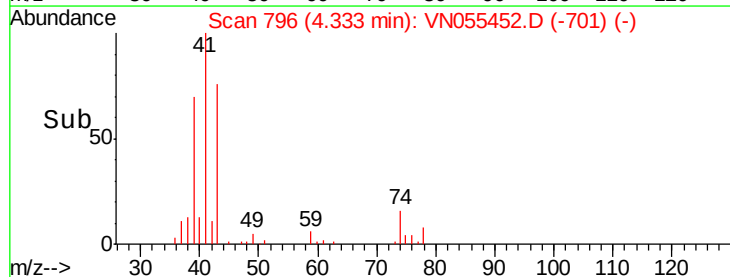
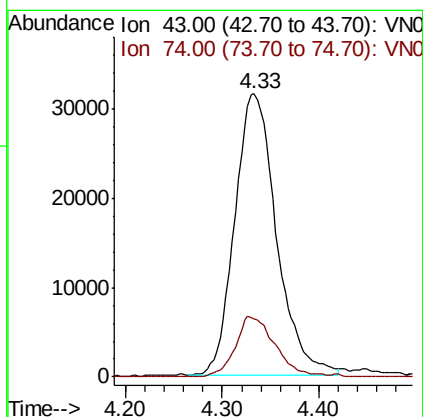
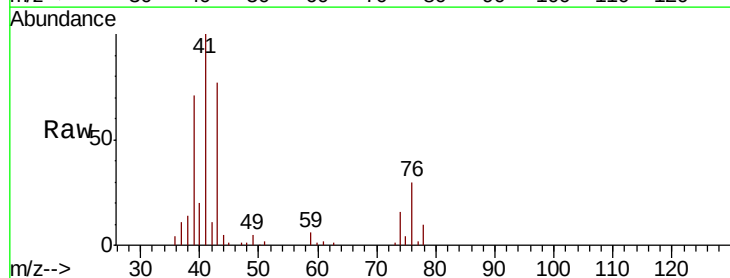
Instrument :
MSVOA_N
ClientSampled :
VN0507MBS02

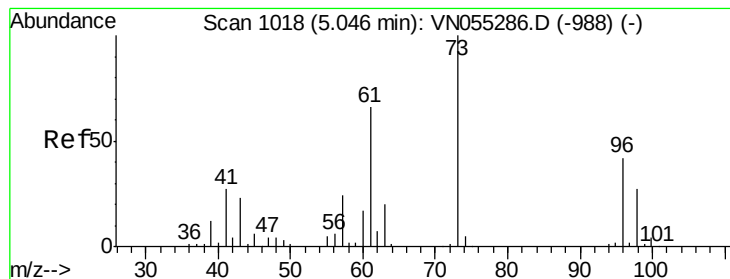
Tot Ion: 76 Resp: 127649
Ion Ratio Lower Upper
76 100
78 9.7 7.6 11.4



#18
Methyl Acetate
Concen: 28.365 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN055452.D
Acq: 7 May 2019 22:13

Tgt Ion: 43 Resp: 94666
Ion Ratio Lower Upper
43 100
74 20.5 15.8 23.8





#19

Methyl tert-butyl Ether

Concen: 23.405 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN055452.D

Acq: 7 May 2019 22:13

Instrument :

MSVOA_N

ClientSampleId :

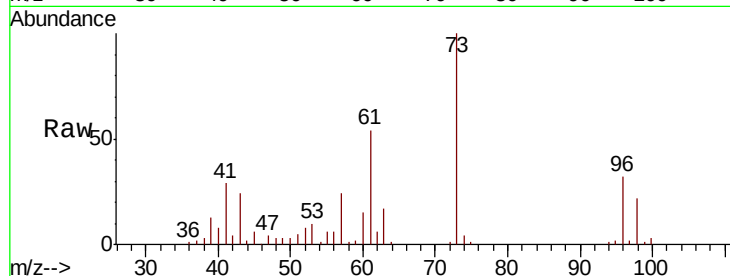
VN0507MBS02

Tot Ion: 73 Resp: 215054

Ion Ratio Lower Upper

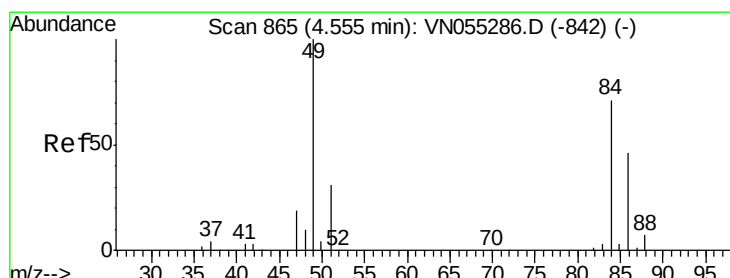
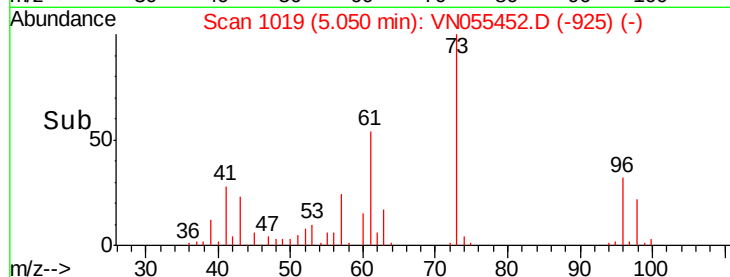
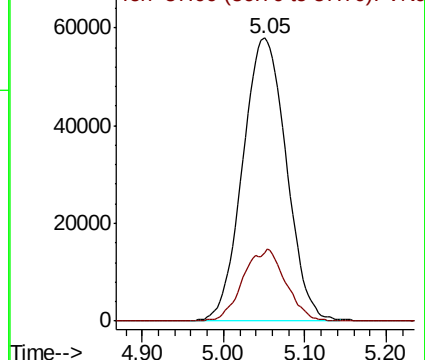
73 100

57 23.9 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: 19.301 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN055452.D

Acq: 7 May 2019 22:13

Tgt Ion: 84 Resp: 79455

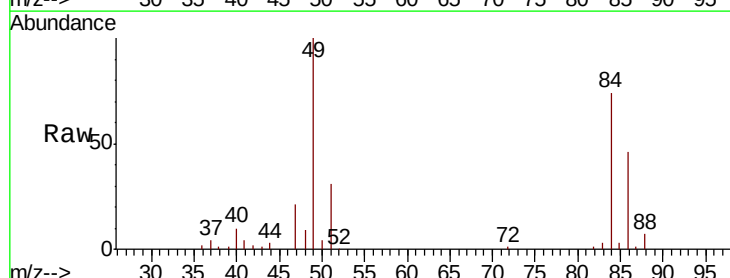
Ion Ratio Lower Upper

84 100

49 134.7 112.4 168.6

51 42.3 34.6 51.8

86 62.5 51.9 77.9

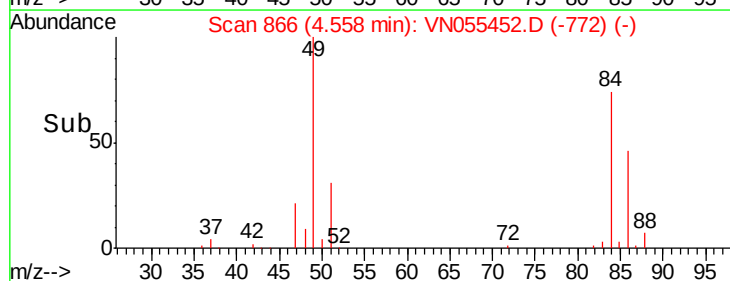
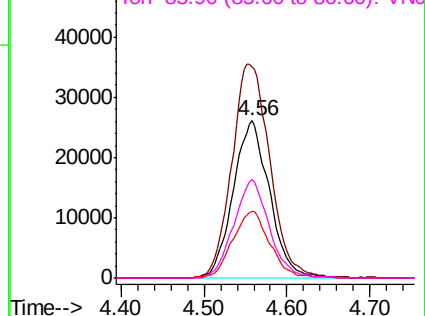


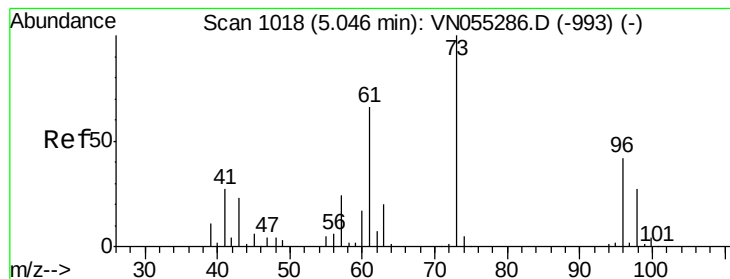
Abundance Ion 83.90 (83.60 to 84.60): VN055286.D (-842) (-)

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: 18.568 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN055452.D

Acq: 7 May 2019 22:13

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBS02

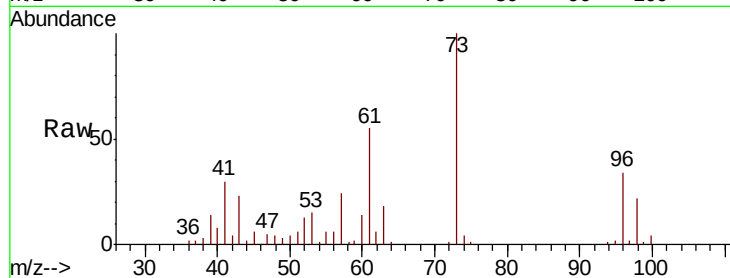
Tot Ion: 96 Resp: 64273

Ion Ratio Lower Upper

96 100

61 162.7 126.2 189.4

98 66.6 52.2 78.2

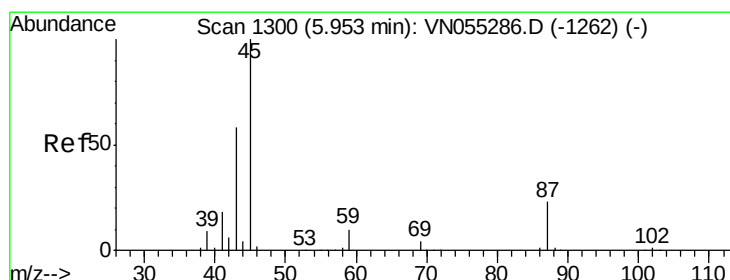
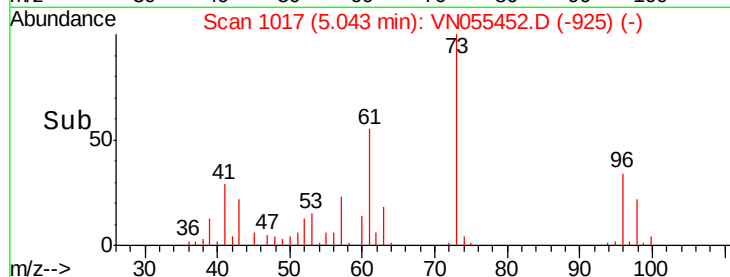
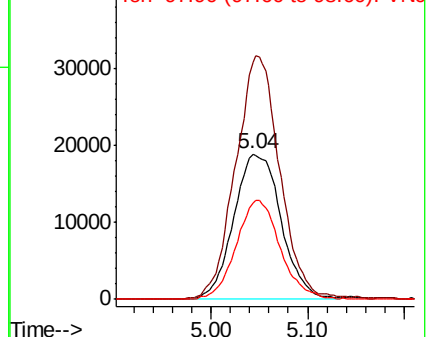


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 22.300 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN055452.D

Acq: 7 May 2019 22:13

Tgt Ion: 45 Resp: 299927

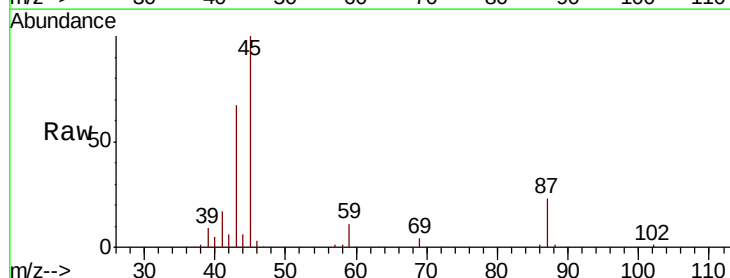
Ion Ratio Lower Upper

45 100

43 64.4 46.6 70.0

87 23.2 18.1 27.1

59 10.6 8.2 12.2



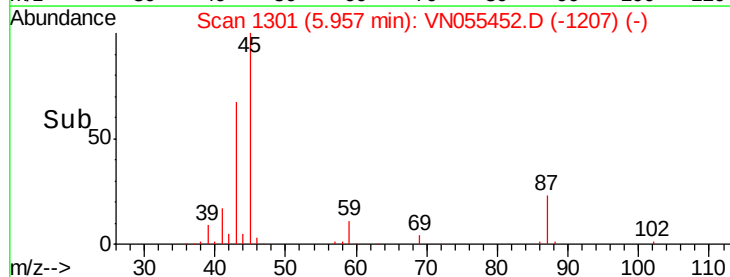
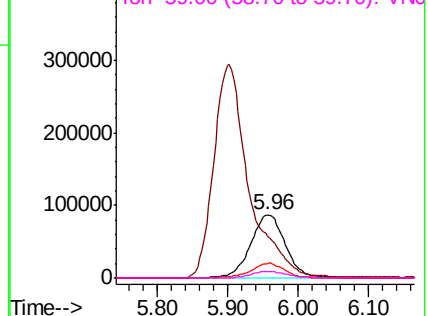
Abundance

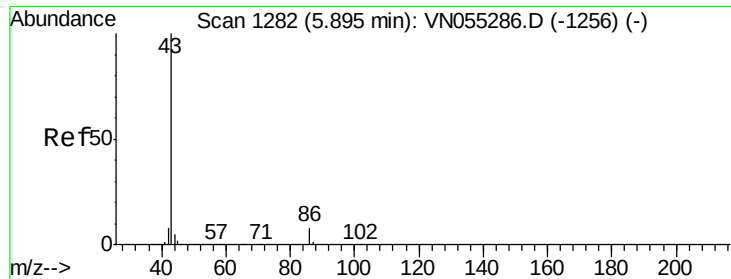
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

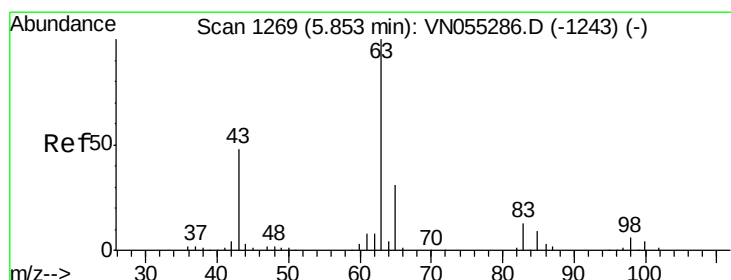
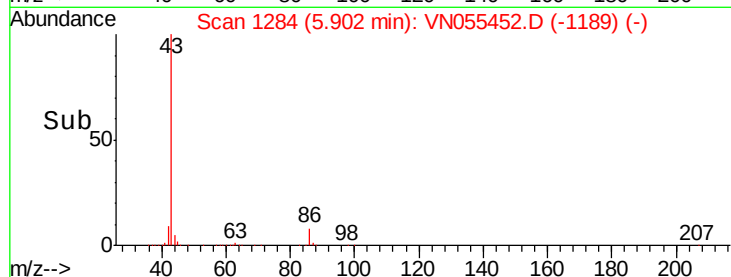
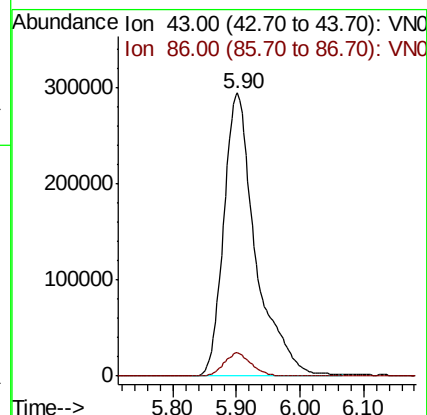
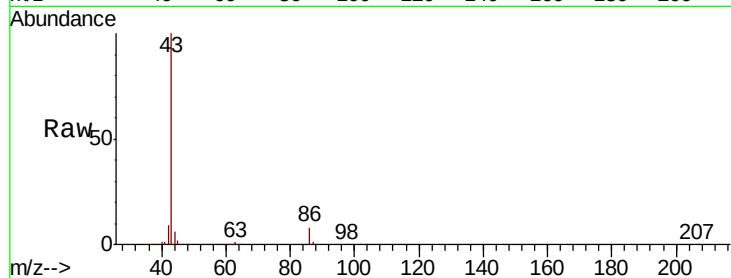




#23
 Vinyl Acetate
 Concen: 116.311 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.01 min
 Lab File: VN055452.D
 Acq: 7 May 2019 22:13

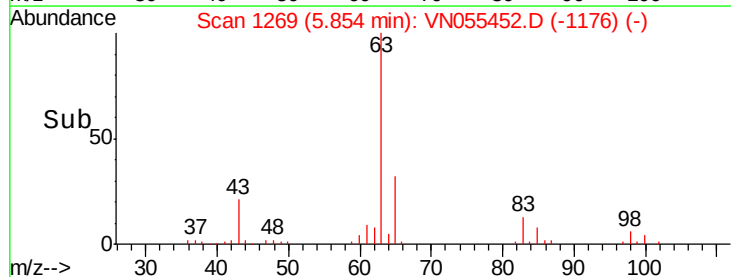
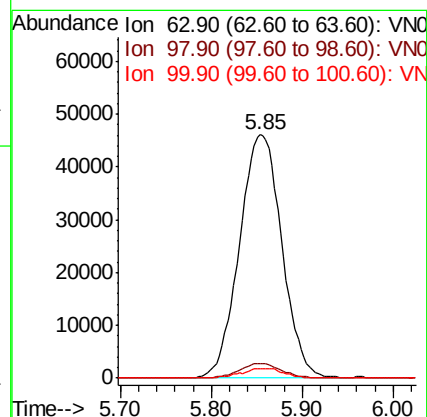
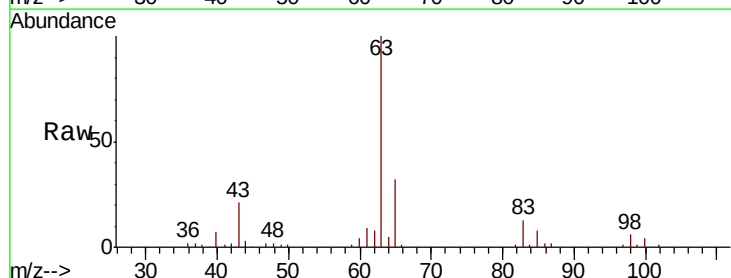
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBS02

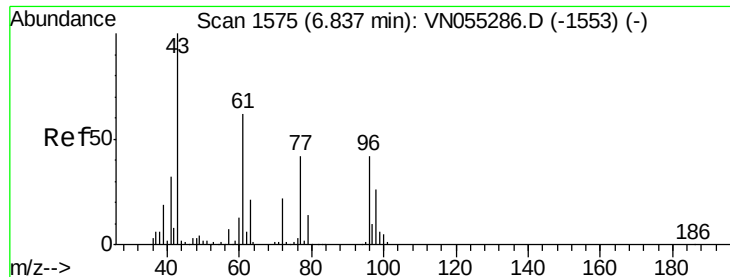
Tot Ion: 43 Resp: 1025283
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.6 10.0



#24
 1,1-Dichloroethane
 Concen: 20.782 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN055452.D
 Acq: 7 May 2019 22:13

Tgt Ion: 63 Resp: 148931
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.0 9.0
 100 3.8 1.8 5.4





#25

2-Butanone

Concen: 132.444 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055452.D

Acq: 7 May 2019 22:13

Instrument :

MSVOA_N

ClientSampleId :

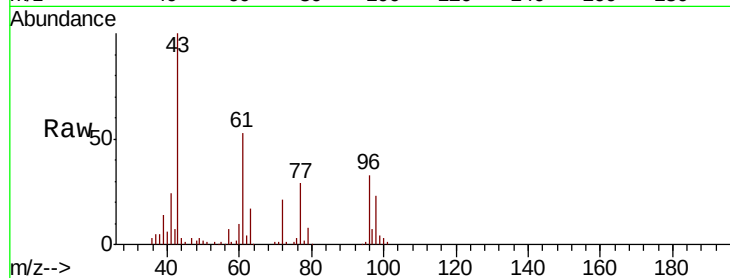
VN0507MBS02

Tot Ion: 43 Resp: 228444

Ion Ratio Lower Upper

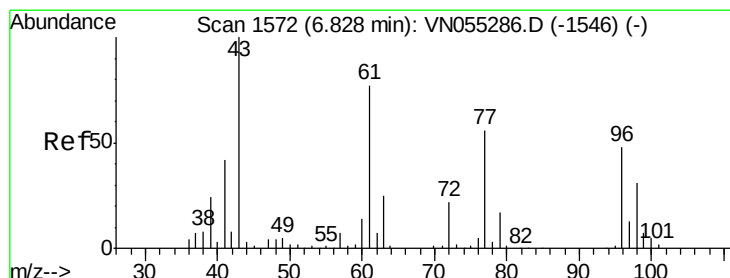
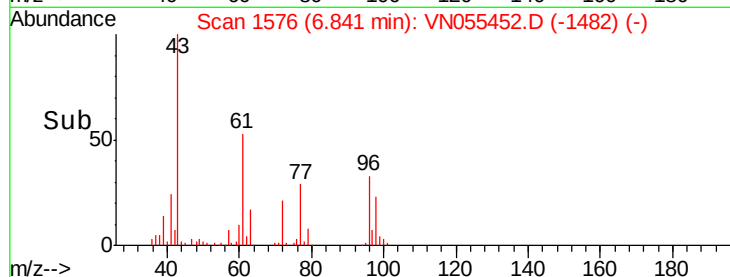
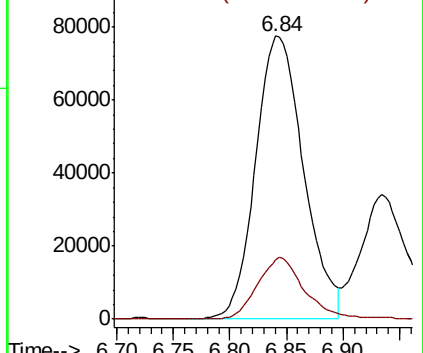
43 100

72 20.9 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 16.744 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055452.D

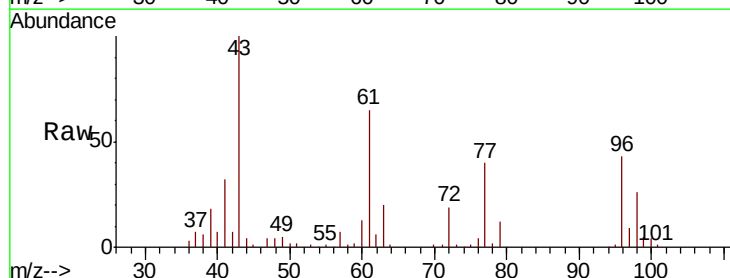
Acq: 7 May 2019 22:13

Tgt Ion: 77 Resp: 82861

Ion Ratio Lower Upper

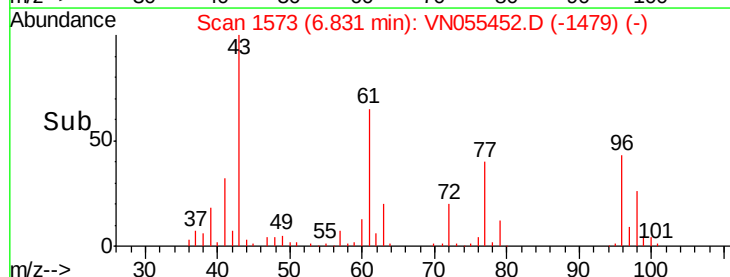
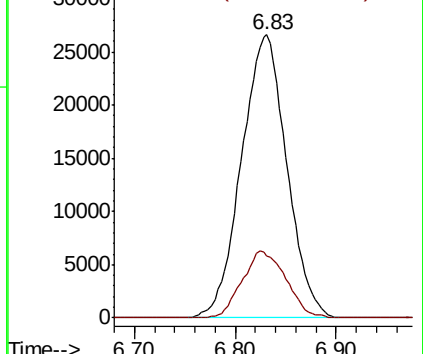
77 100

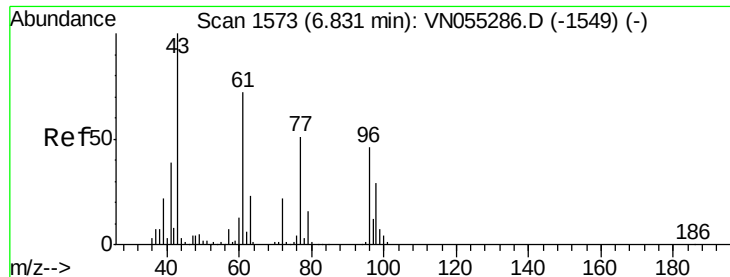
97 22.9 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 20.808 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055452.D

Acq: 7 May 2019 22:13

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBS02

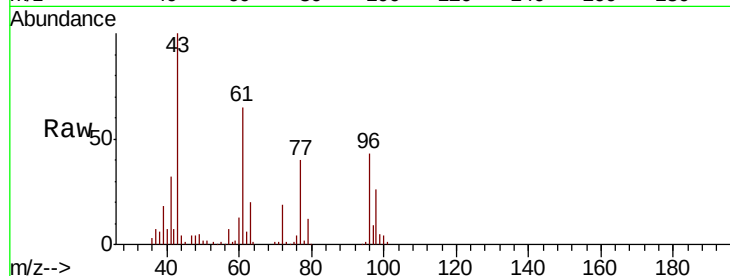
Tot Ion: 96 Resp: 81908

Ion Ratio Lower Upper

96 100

61 155.3 0.0 316.2

98 64.6 0.0 126.6

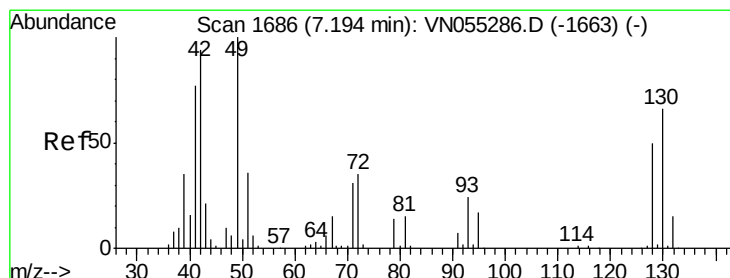
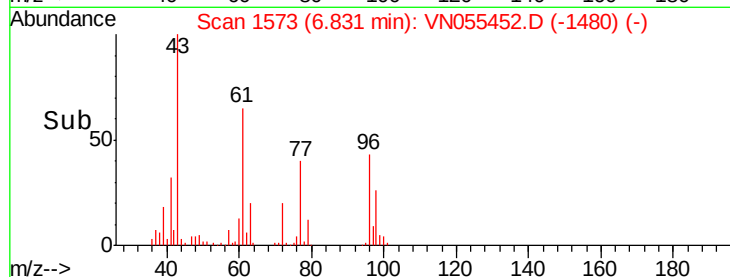
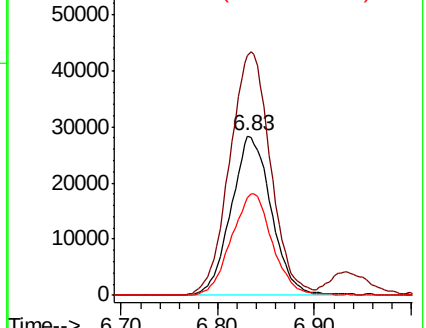


Abundance

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: 21.564 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.01 min

Lab File: VN055452.D

Acq: 7 May 2019 22:13

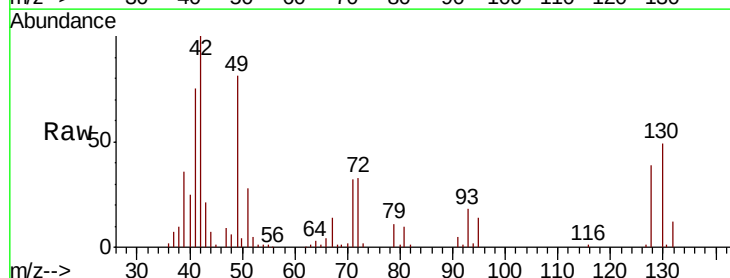
Tgt Ion: 49 Resp: 77895

Ion Ratio Lower Upper

49 100

129 0.7 0.0 2.4

130 63.6 52.0 78.0

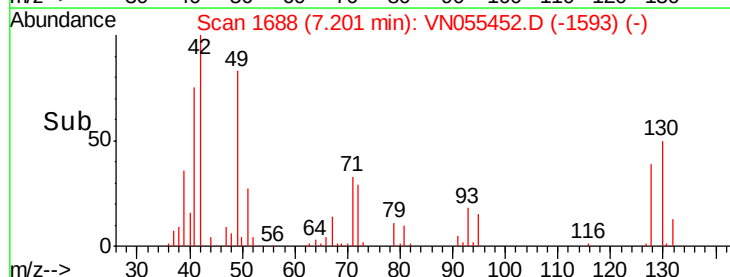
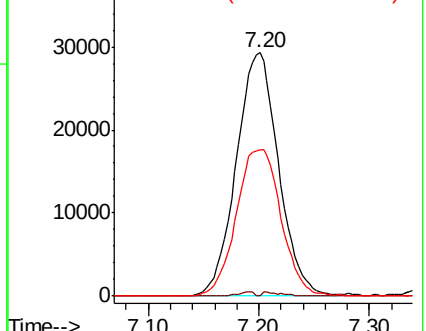


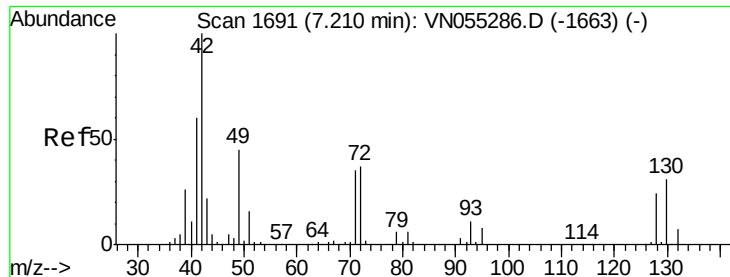
Abundance

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

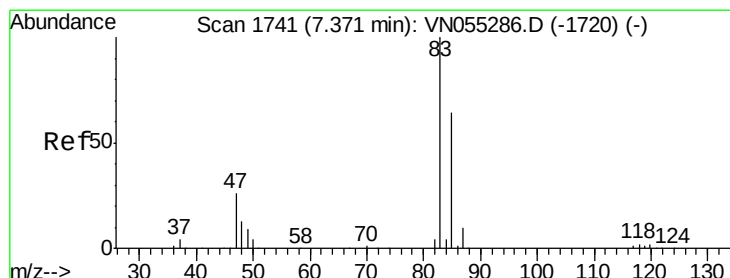
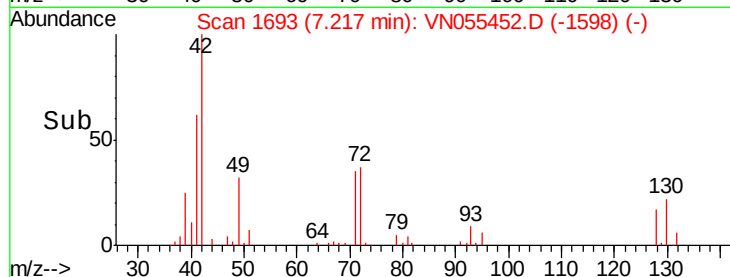
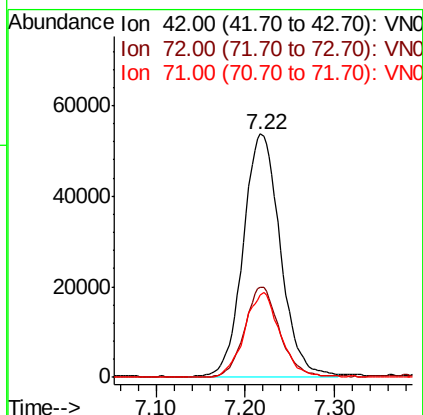
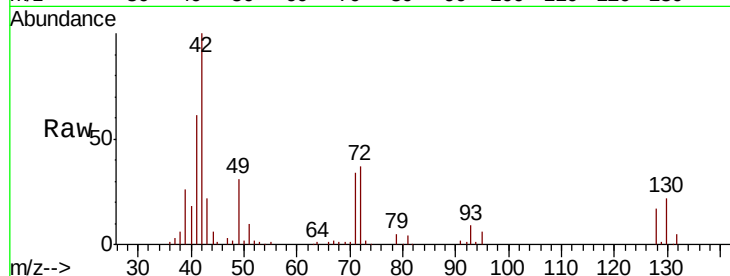




#29
Tetrahydrofuran
Concen: 141.728 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN055452.D
Acq: 7 May 2019 22:13

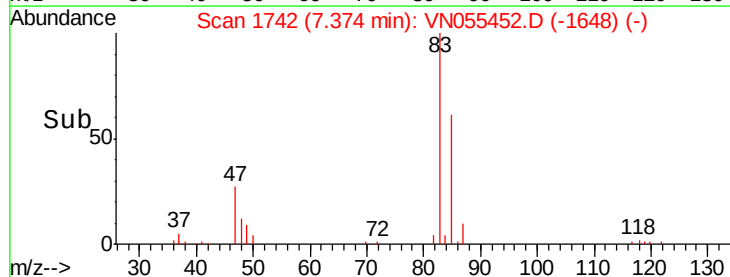
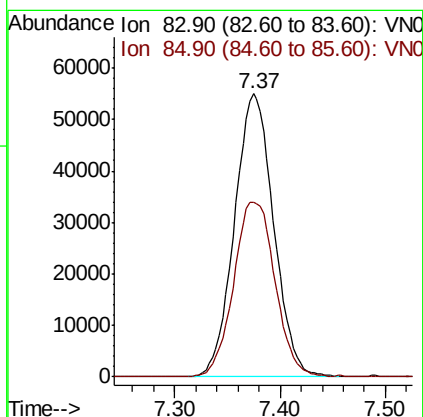
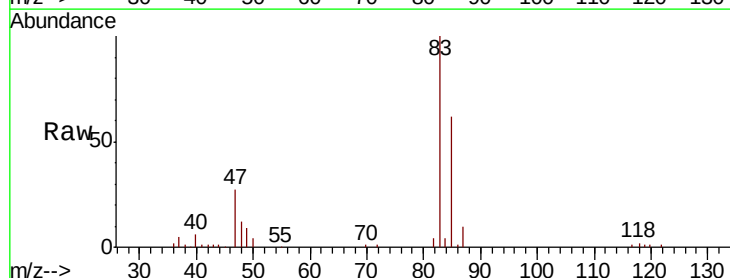
Instrument :
MSVOA_N
ClientSampleId :
VN0507MBS02

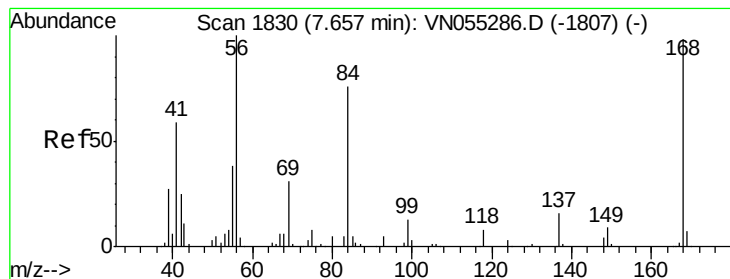
Tot Ion: 42 Resp: 156533
Ion Ratio Lower Upper
42 100
72 34.9 29.0 43.6
71 33.2 27.1 40.7



#30
Chloroform
Concen: 20.916 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055452.D
Acq: 7 May 2019 22:13

Tgt Ion: 83 Resp: 142087
Ion Ratio Lower Upper
83 100
85 61.6 51.4 77.2





#31

Cyclohexane

Concen: 18.269 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN055452.D

Acq: 7 May 2019 22:13

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBS02

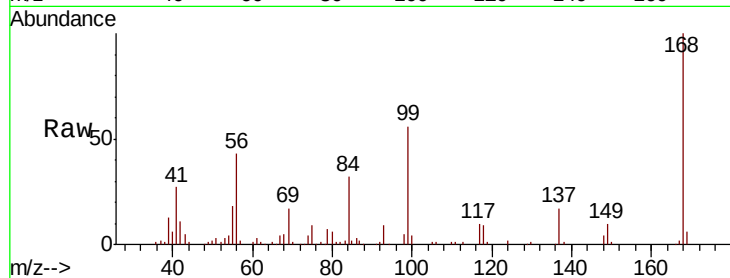
Tot Ion: 56 Resp: 124384

Ion Ratio Lower Upper

56 100

69 38.8 25.2 37.8#

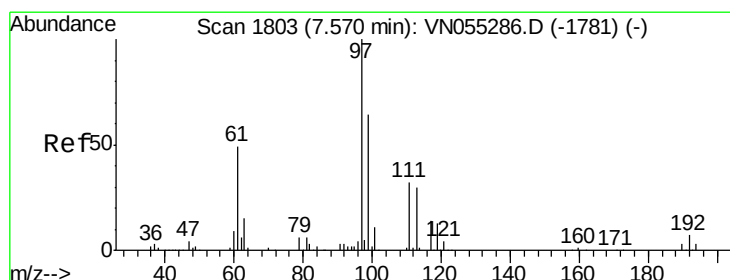
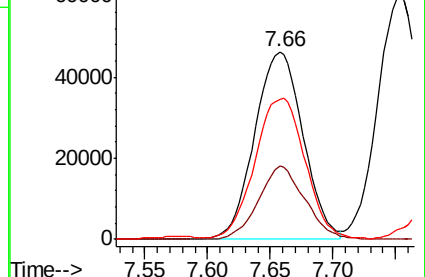
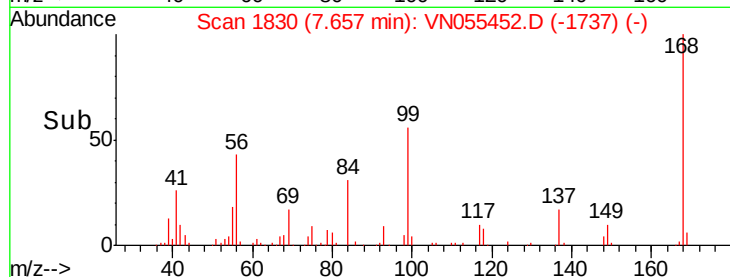
84 73.1 61.1 91.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.357 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN055452.D

Acq: 7 May 2019 22:13

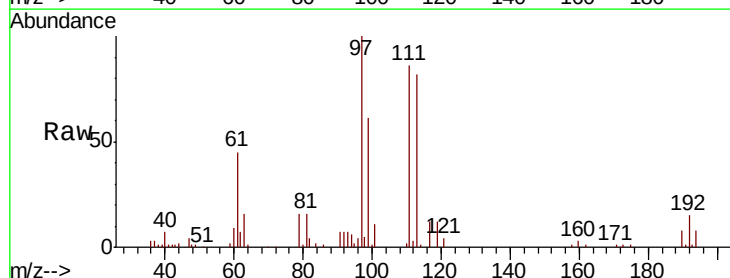
Tgt Ion: 97 Resp: 112234

Ion Ratio Lower Upper

97 100

99 63.4 51.8 77.8

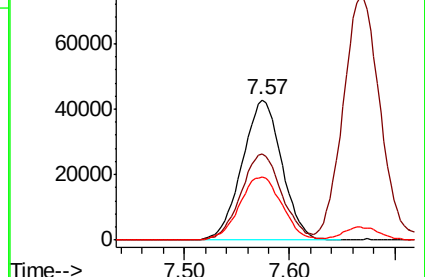
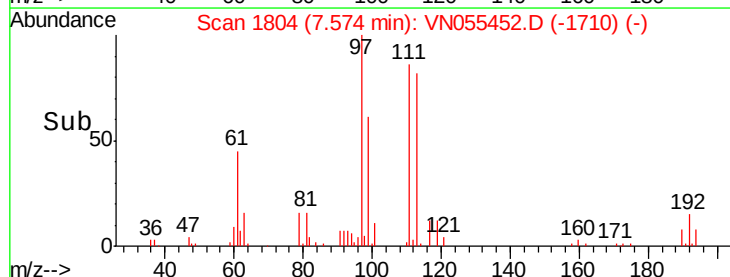
61 48.0 39.0 58.6

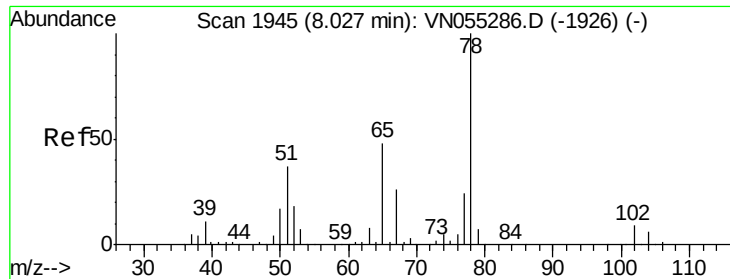


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

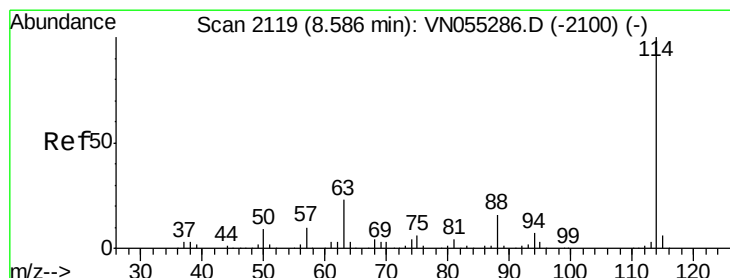
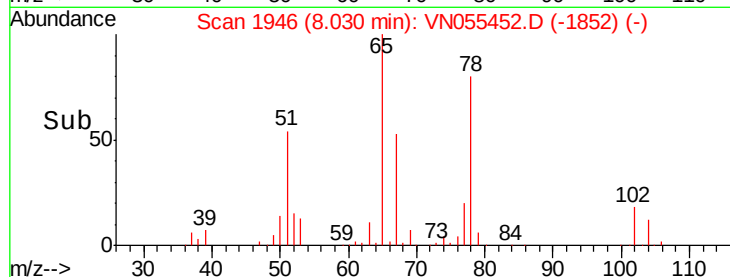
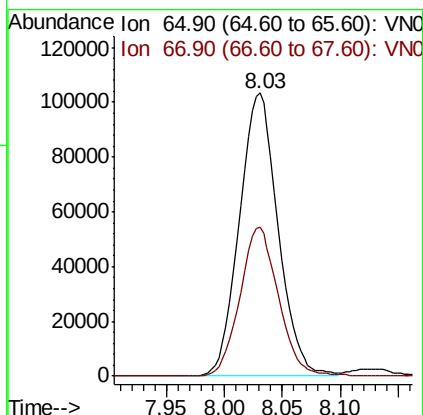
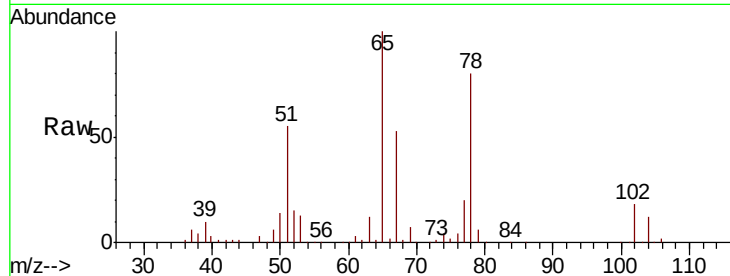




#33
 1,2-Dichloroethane-d4
 Concen: 55.493 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN055452.D
 Acq: 7 May 2019 22:13

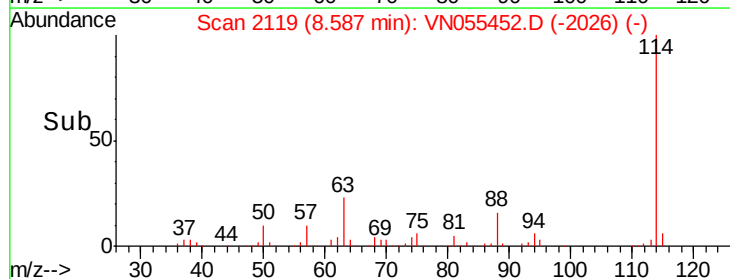
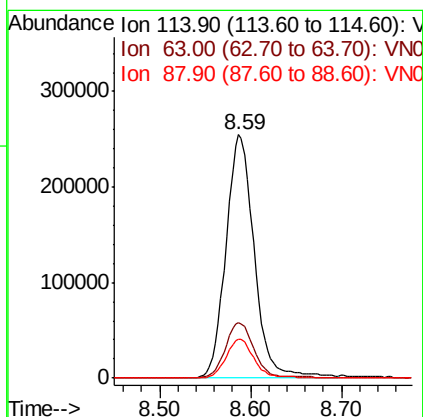
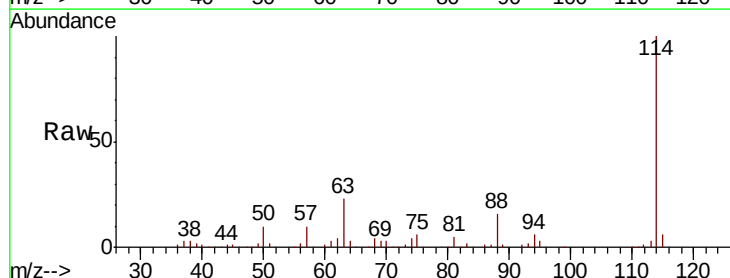
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBS02

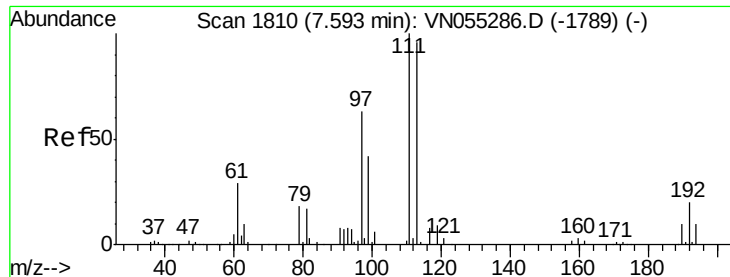
Tot Ion: 65 Resp: 240202
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055452.D
 Acq: 7 May 2019 22:13

Tgt Ion: 114 Resp: 551905
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.2
 88 16.0 0.0 31.6





#35

Dibromofluoromethane

Concen: 50.611 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055452.D

Acq: 7 May 2019 22:13

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBS02

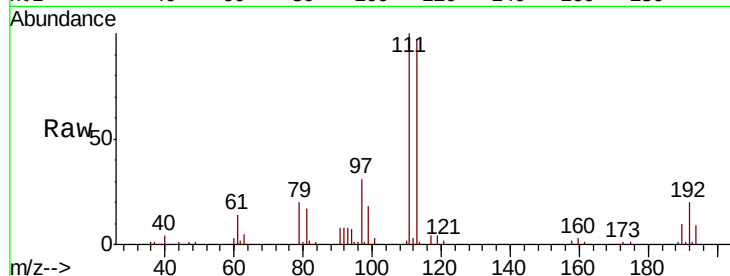
Tot Ion:113 Resp: 183339

Ion Ratio Lower Upper

113 100

111 102.6 82.3 123.5

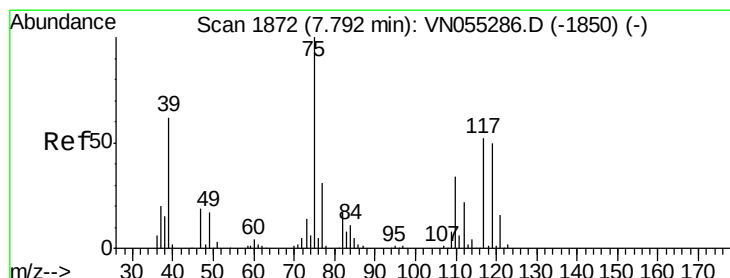
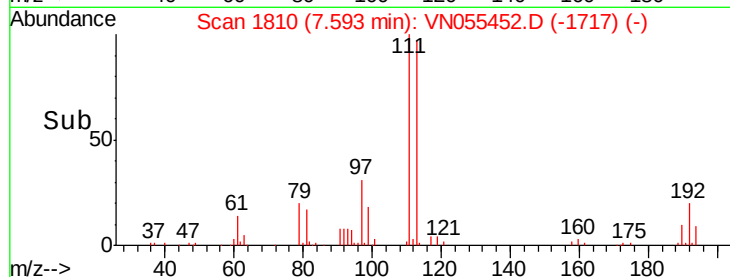
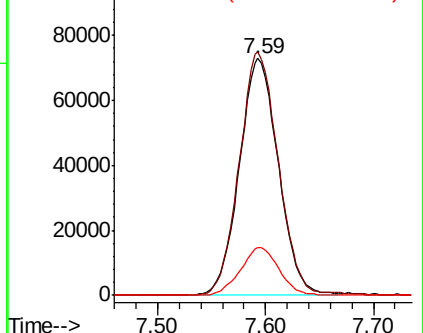
192 19.9 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 17.183 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN055452.D

Acq: 7 May 2019 22:13

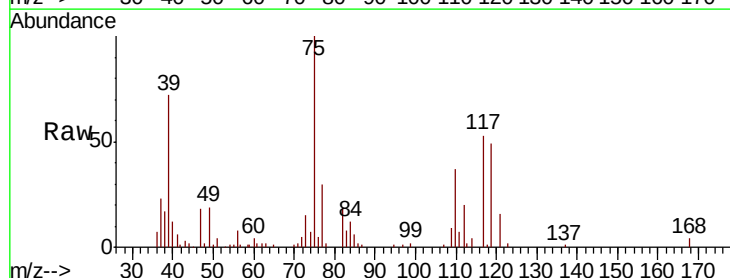
Tgt Ion: 75 Resp: 90835

Ion Ratio Lower Upper

75 100

110 35.5 16.8 50.4

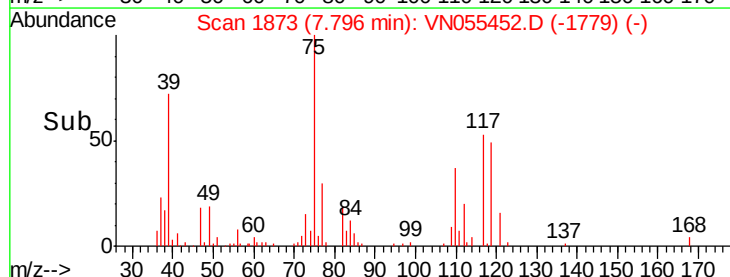
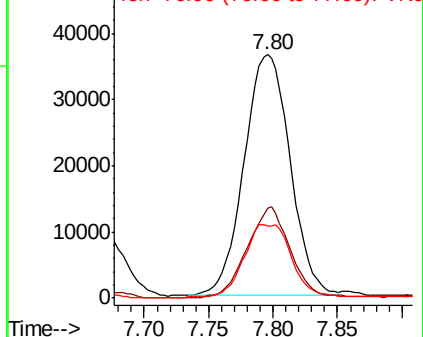
77 32.0 25.0 37.6

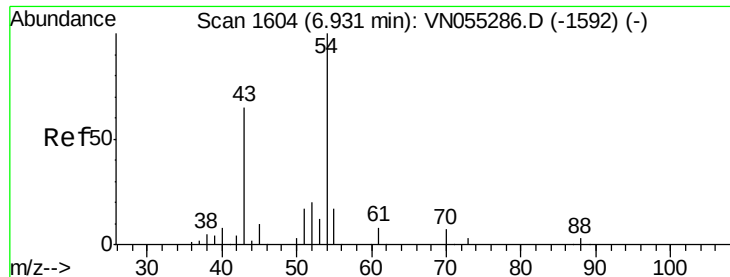


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

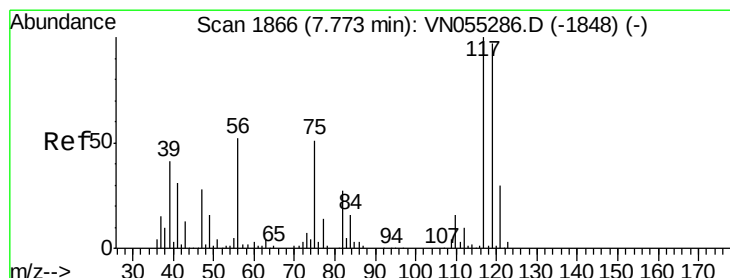
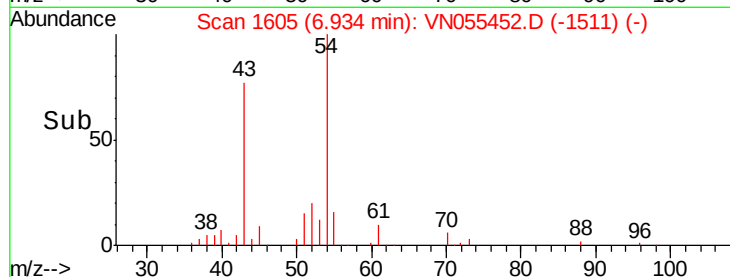
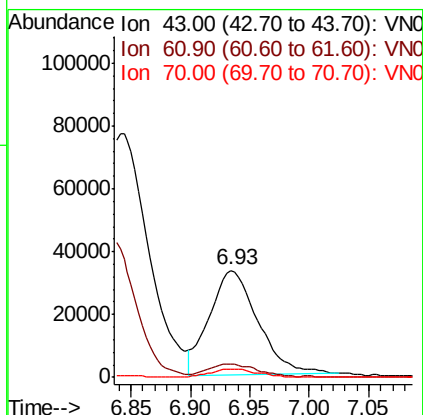
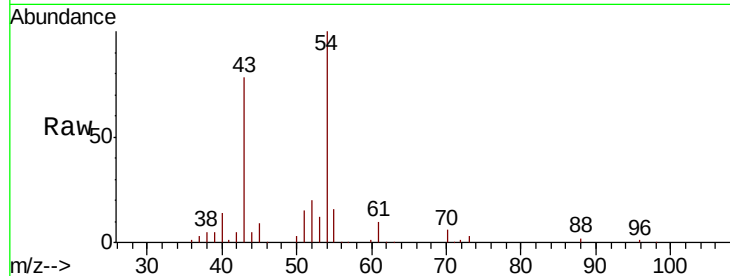




#37
Ethyl Acetate
Concen: 23.241 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055452.D
Acq: 7 May 2019 22:13

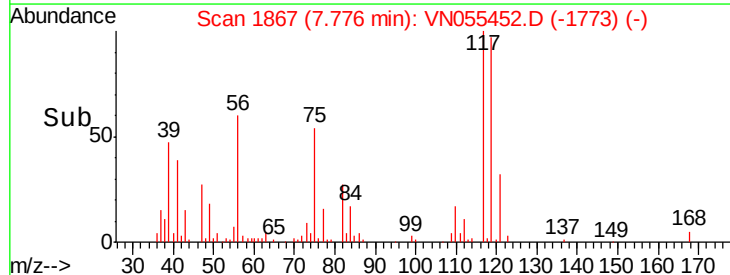
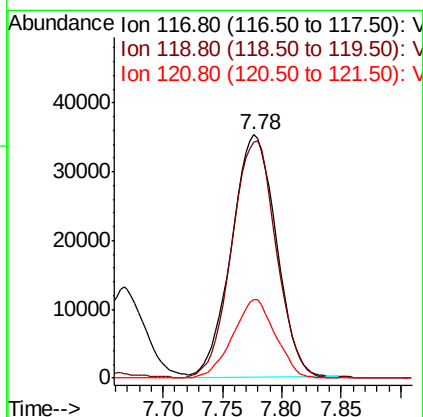
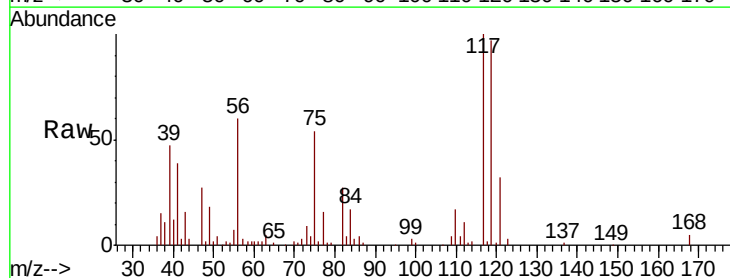
Instrument :
MSVOA_N
ClientSampleId :
VN0507MBS02

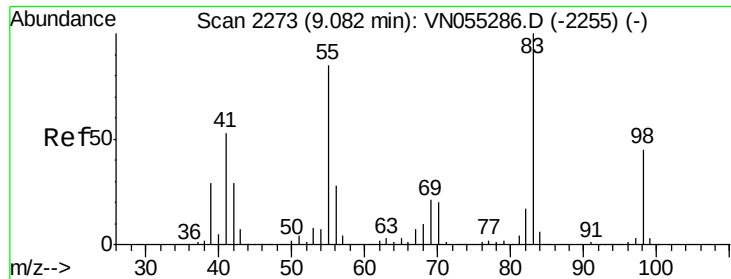
Tot Ion: 43 Resp: 94164
Ion Ratio Lower Upper
43 100
61 11.7 10.4 15.6
70 8.1 6.6 10.0



#38
Carbon Tetrachloride
Concen: 17.968 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055452.D
Acq: 7 May 2019 22:13

Tgt Ion: 117 Resp: 91627
Ion Ratio Lower Upper
117 100
119 97.2 77.0 115.6
121 32.5 23.8 35.8

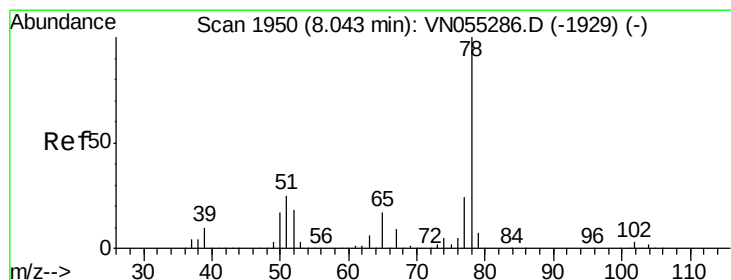
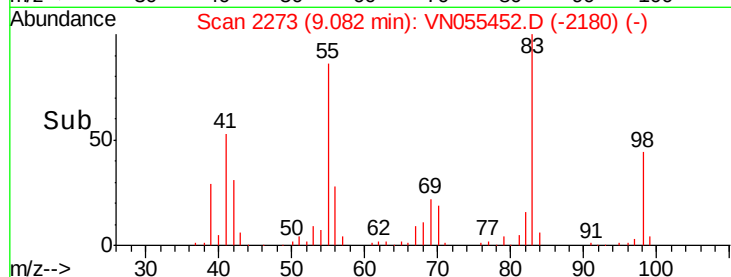
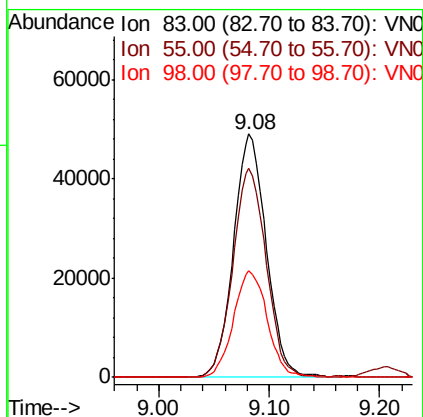
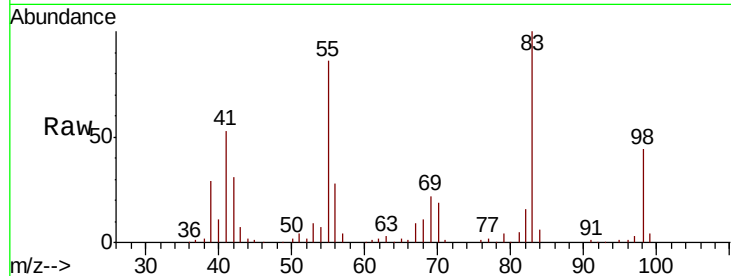




#39
Methylvlcyclohexane
Concen: 18.015 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055452.D
Acq: 7 May 2019 22:13

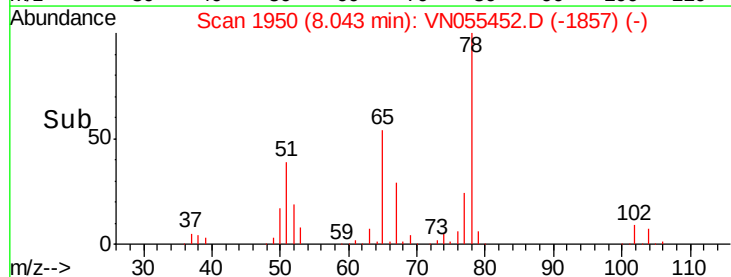
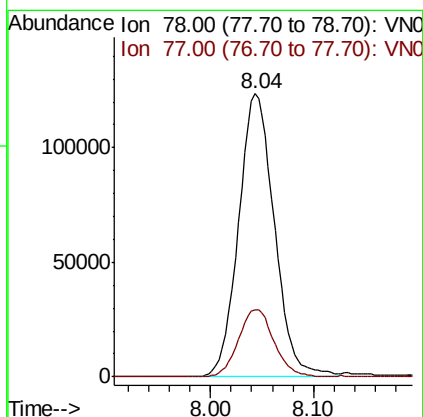
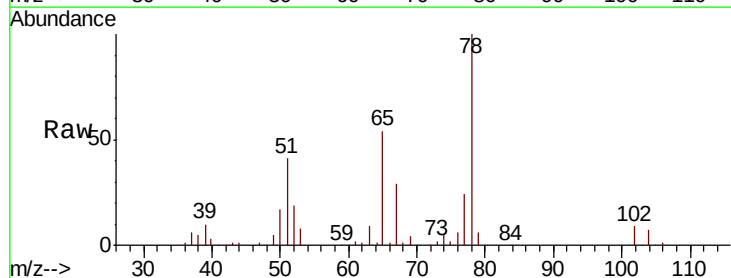
Instrument :
MSVOA_N
ClientSampleId :
VN0507MBS02

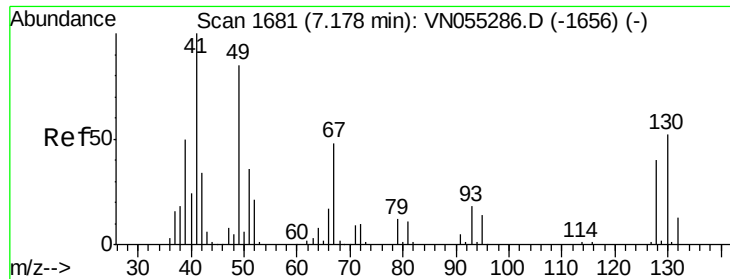
Tot Ion: 83 Resp: 101252
Ion Ratio Lower Upper
83 100
55 85.9 67.8 101.6
98 43.7 36.2 54.4



#40
Benzene
Concen: 19.137 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055452.D
Acq: 7 May 2019 22:13

Tgt Ion: 78 Resp: 298237
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6

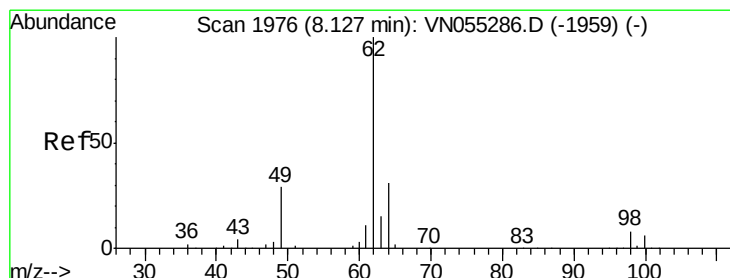
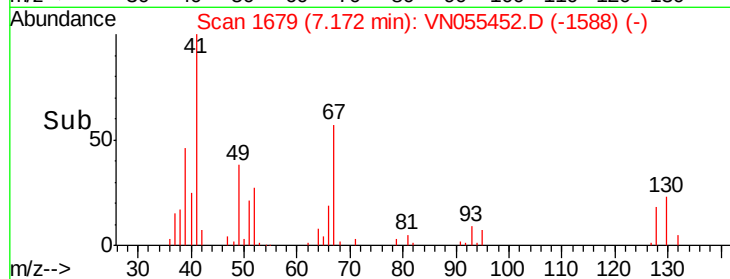
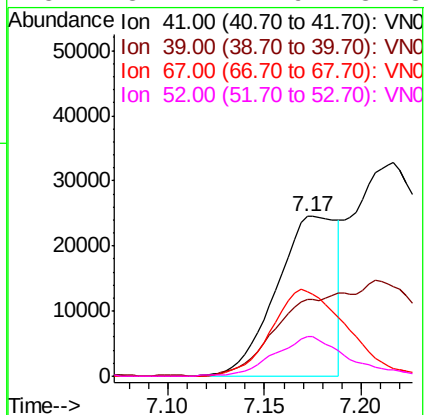
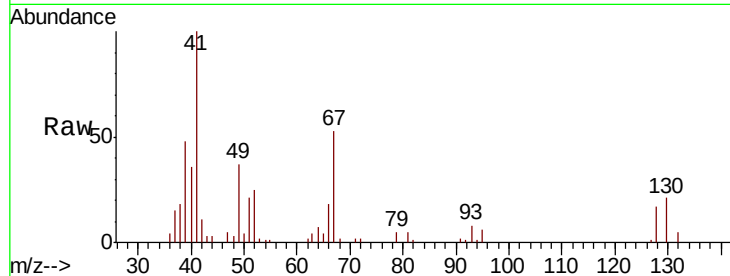




#41
Methacrylonitrile
Concen: 24.819 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN055452.D
Acq: 7 May 2019 22:13

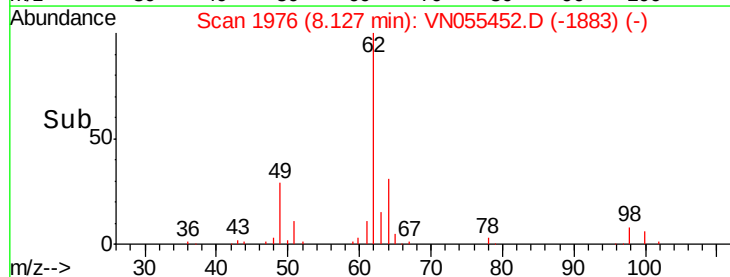
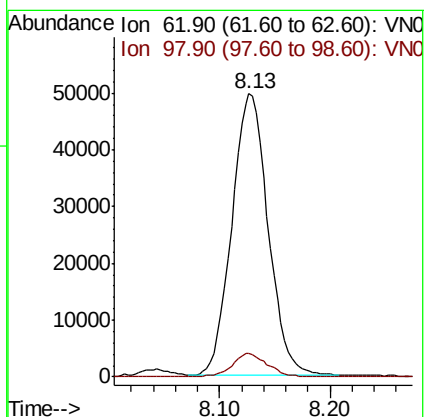
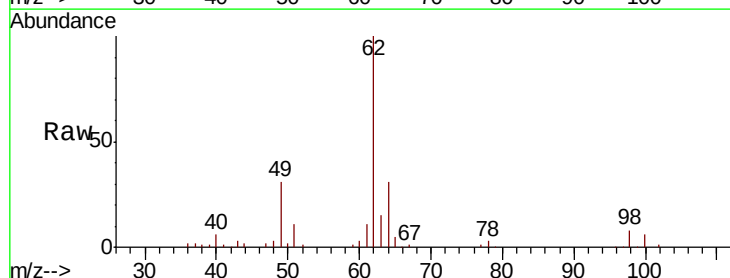
Instrument :
MSVOA_N
ClientSampleId :
VN0507MBS02

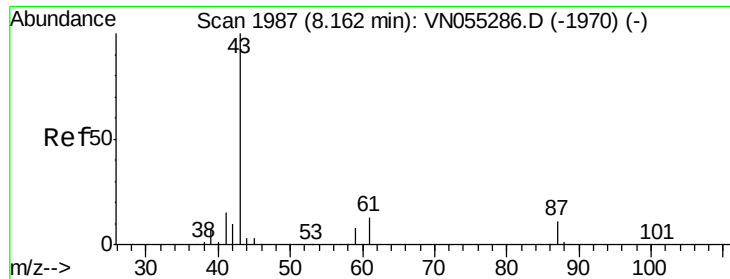
Tot Ion: 41 Resp: 53593
Ion Ratio Lower Upper
41 100
39 0.0 48.5 72.7#
67 69.2 54.9 82.3
52 31.1 24.9 37.3



#42
1,2-Dichloroethane
Concen: 20.441 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055452.D
Acq: 7 May 2019 22:13

Tgt Ion: 62 Resp: 112823
Ion Ratio Lower Upper
62 100
98 8.0 0.0 16.4





#43

Isopropyl Acetate

Concen: 25.366 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055452.D

Acq: 7 May 2019 22:13

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBS02

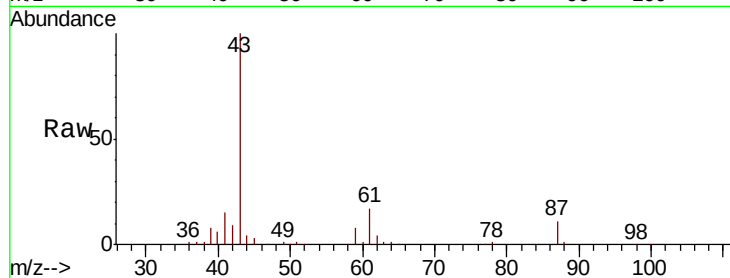
Tot Ion: 43 Resp: 165158

Ion Ratio Lower Upper

43 100

61 18.0 20.8 31.2#

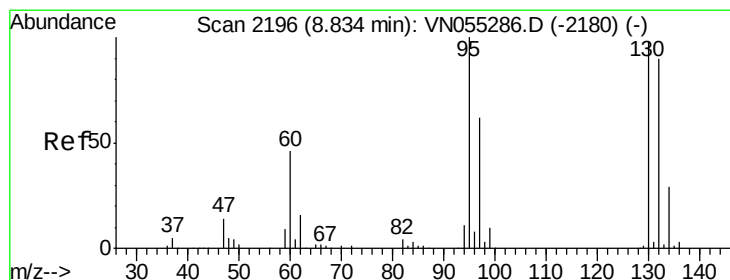
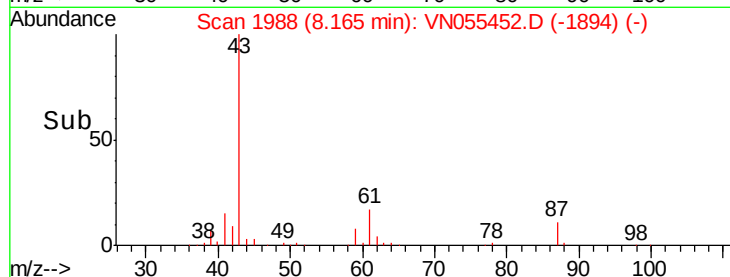
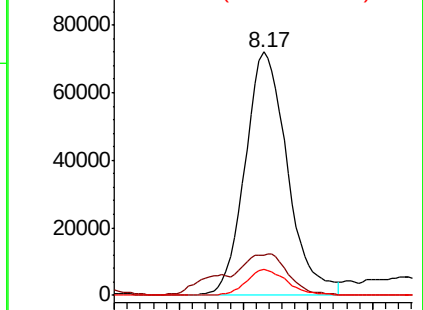
87 10.4 8.5 12.7



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: 18.165 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055452.D

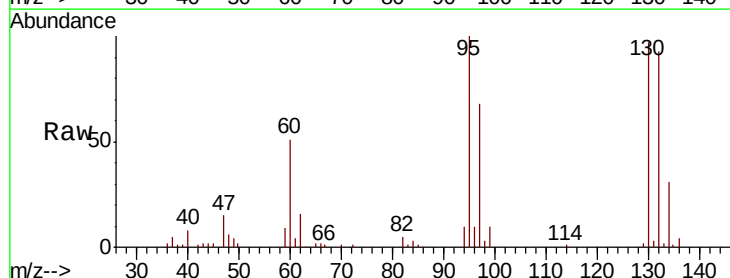
Acq: 7 May 2019 22:13

Tgt Ion:130 Resp: 72164

Ion Ratio Lower Upper

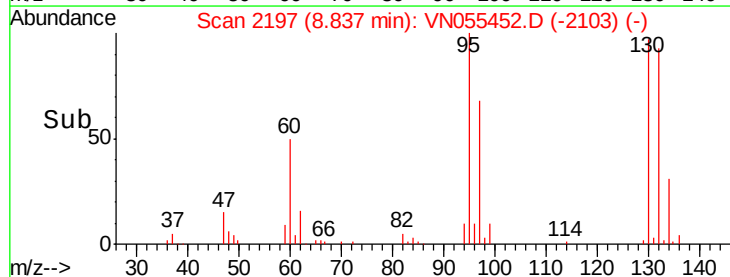
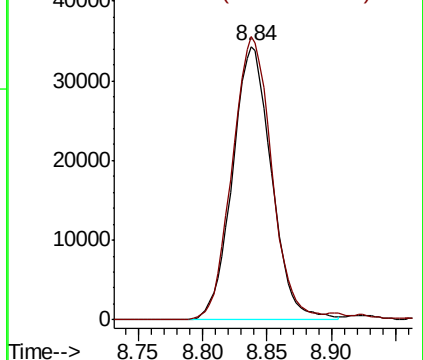
130 100

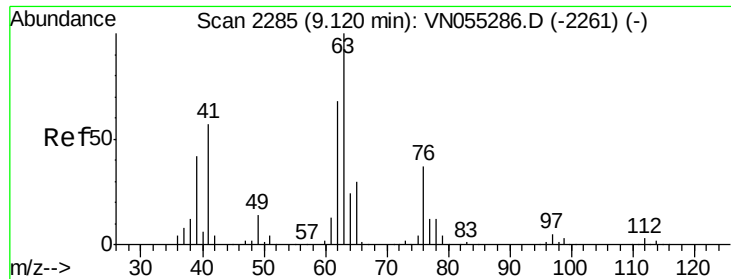
95 103.4 0.0 203.4



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

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

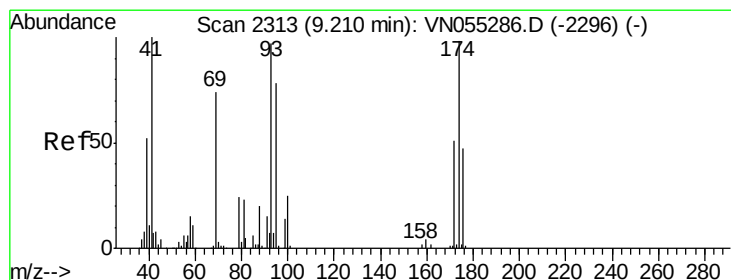
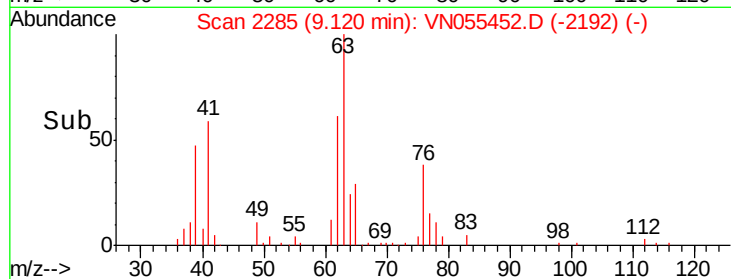
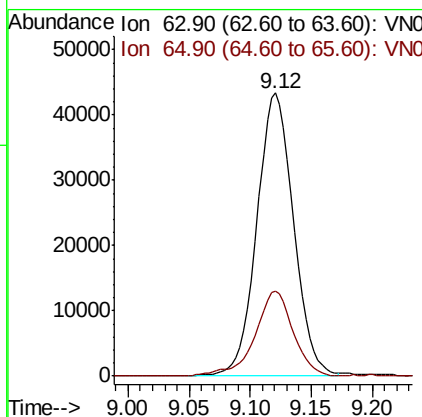
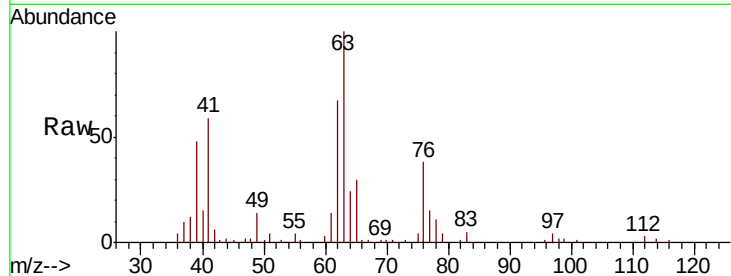




#45
 1,2-Dichloropropane
 Concen: 20.133 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055452.D
 Acq: 7 May 2019 22:13

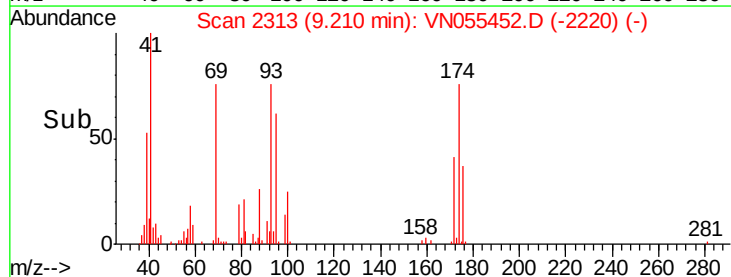
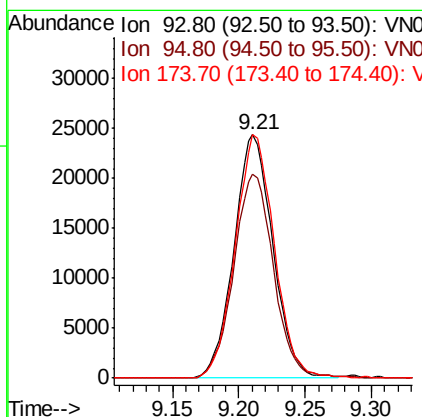
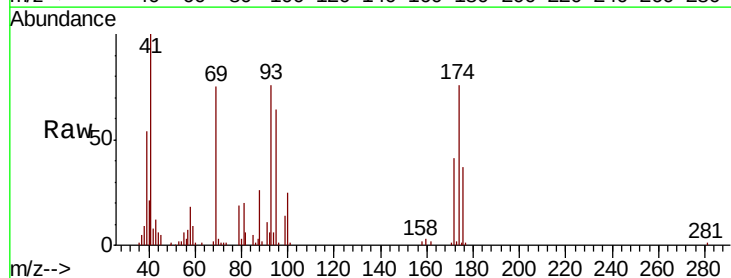
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBS02

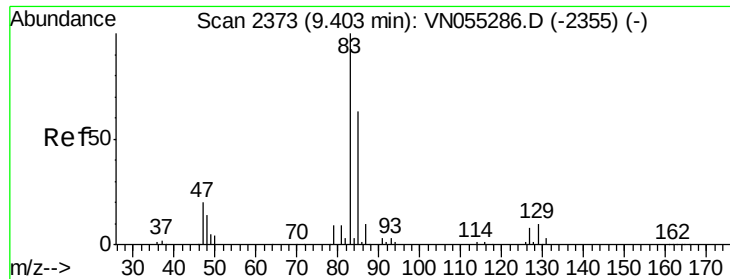
Tot Ion: 63 Resp: 90491
 Ion Ratio Lower Upper
 63 100
 65 30.2 23.9 35.9



#46
 Dibromomethane
 Concen: 20.292 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055452.D
 Acq: 7 May 2019 22:13

Tgt Ion: 93 Resp: 49854
 Ion Ratio Lower Upper
 93 100
 95 85.4 65.7 98.5
 174 100.3 81.5 122.3

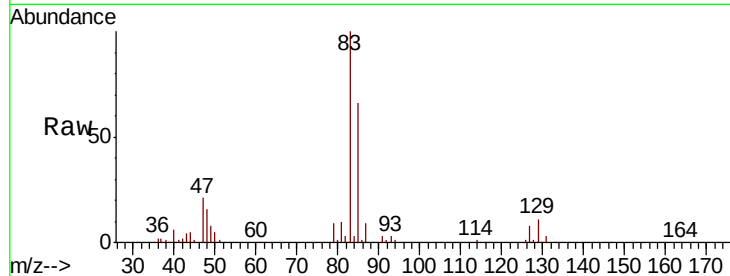




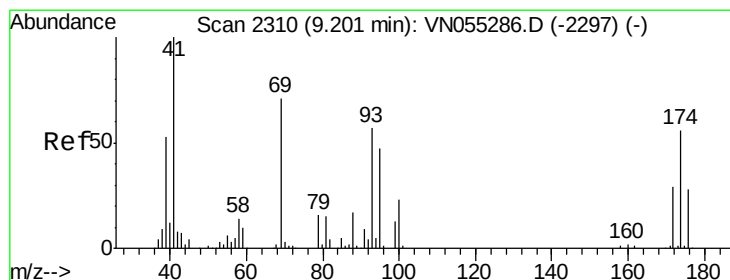
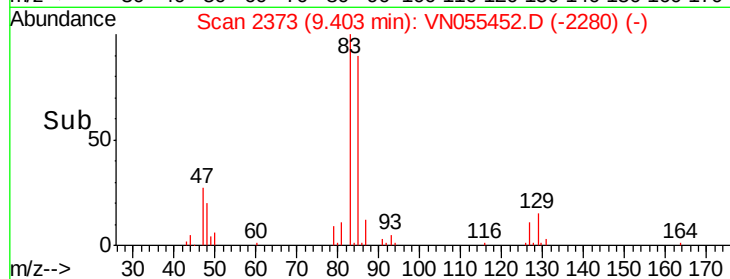
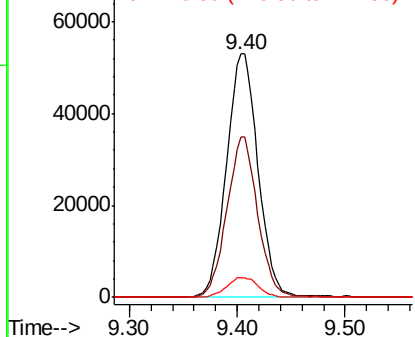
#47
Bromodichloromethane
Concen: 20.485 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055452.D
Acq: 7 May 2019 22:13

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBS02

Tot Ion: 83 Resp: 107969
Ion Ratio Lower Upper
83 100
85 65.8 50.1 75.1
127 8.0 6.7 10.1

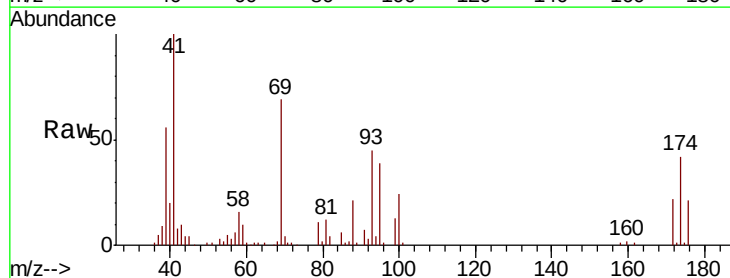


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

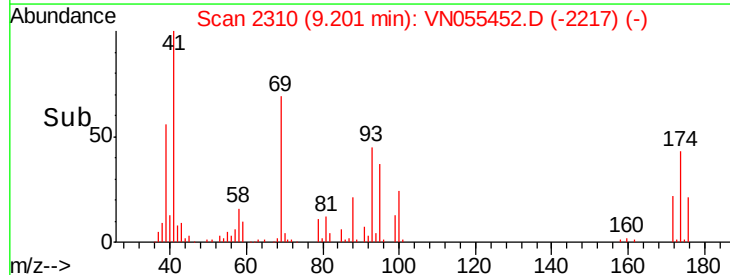
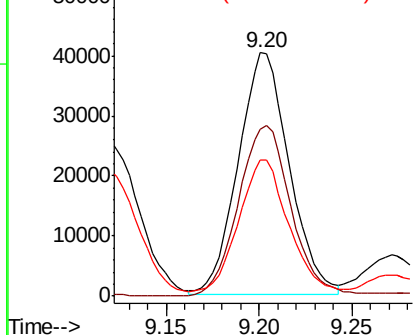


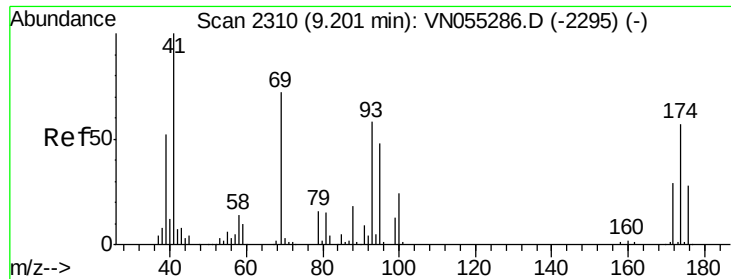
#48
Methyl methacrylate
Concen: 24.029 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055452.D
Acq: 7 May 2019 22:13

Tgt Ion: 41 Resp: 76915
Ion Ratio Lower Upper
41 100
69 72.9 58.6 87.8
39 56.2 43.8 65.6



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

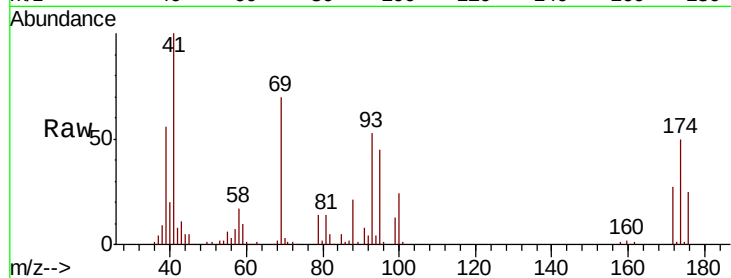




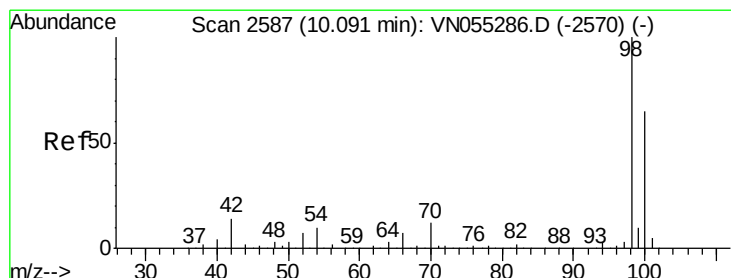
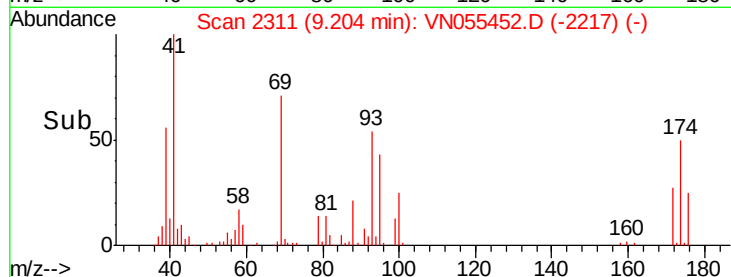
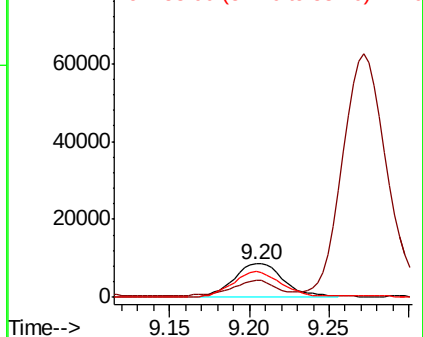
#49
 1,4-Dioxane
 Concen: 563.457 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055452.D
 Acq: 7 May 2019 22:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBS02

Tot Ion: 88 Resp: 18644
 Ion Ratio Lower Upper
 88 100
 43 41.2 33.3 49.9
 58 74.9 62.7 94.1

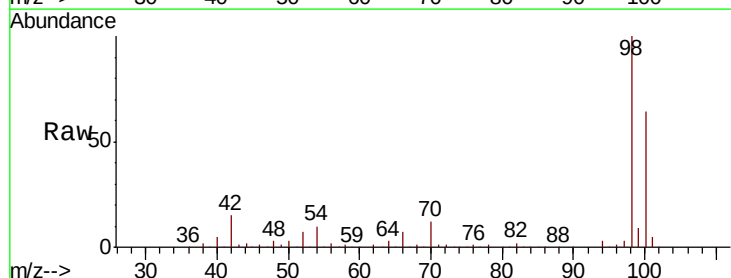


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

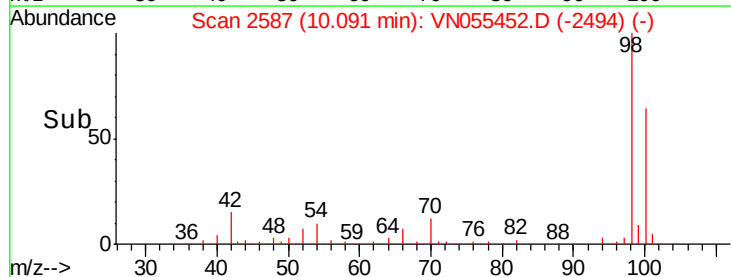
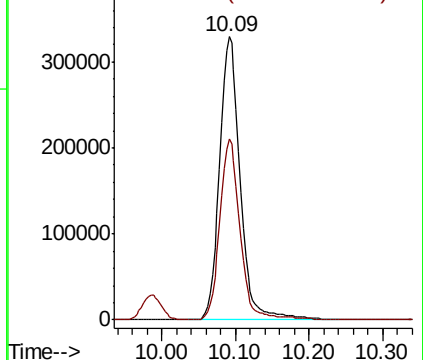


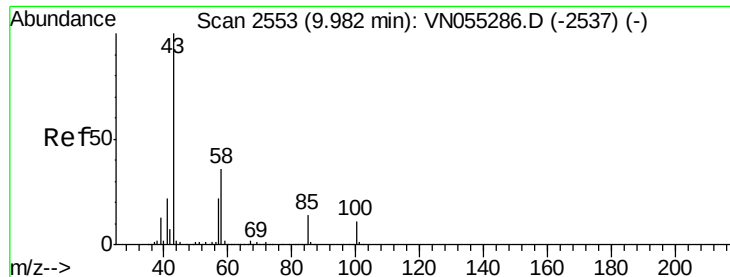
#50
 Toluene-d8
 Concen: 48.833 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN055452.D
 Acq: 7 May 2019 22:13

Tgt Ion: 98 Resp: 638757
 Ion Ratio Lower Upper
 98 100
 100 63.1 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: 132.446 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055452.D

Acq: 7 May 2019 22:13

Instrument :

MSVOA_N

ClientSampleId :

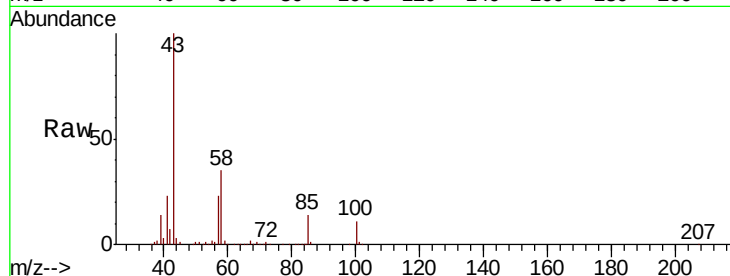
VN0507MBS02

Tot Ion: 43 Resp: 485529

Ion Ratio Lower Upper

43 100

58 34.3 28.5 42.7



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

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

9.99

250000

200000

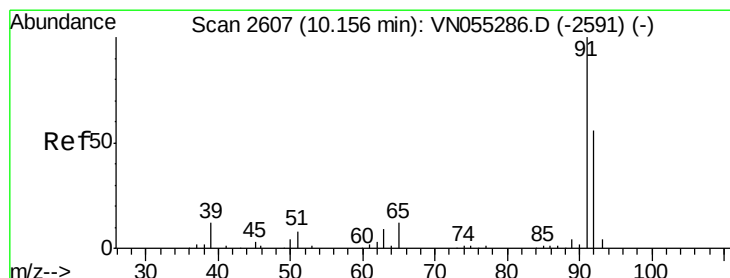
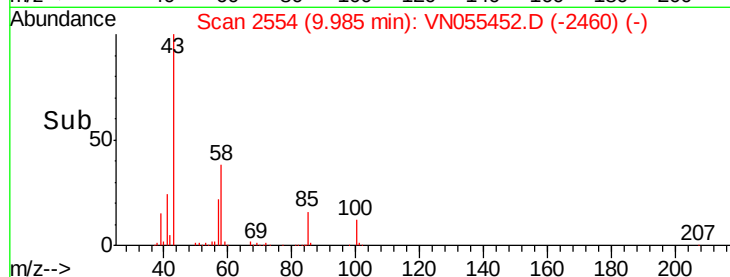
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.244 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN055452.D

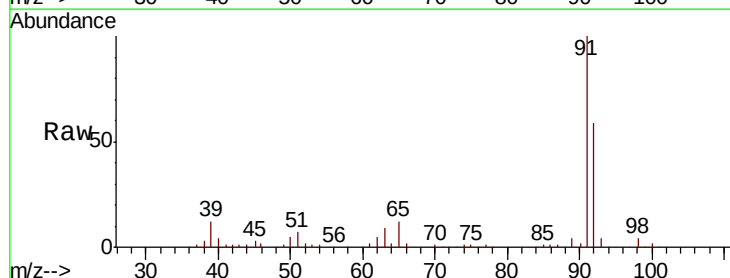
Acq: 7 May 2019 22:13

Tgt Ion: 92 Resp: 172070

Ion Ratio Lower Upper

92 100

91 177.2 140.1 210.1



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

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

10.16

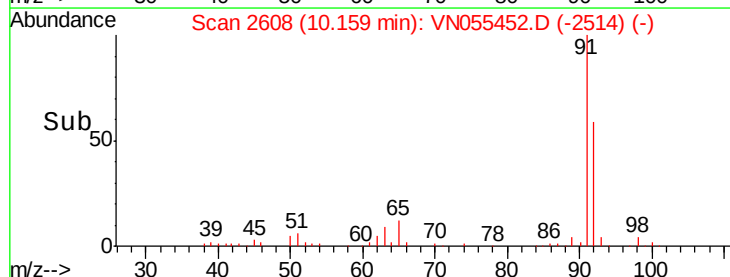
150000

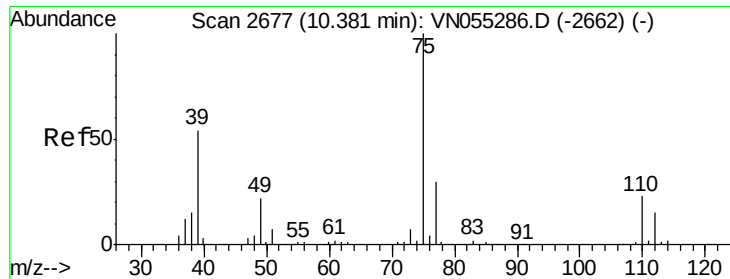
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.151 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN055452.D

Acq: 7 May 2019 22:13

Instrument :

MSVOA_N

ClientSampled :

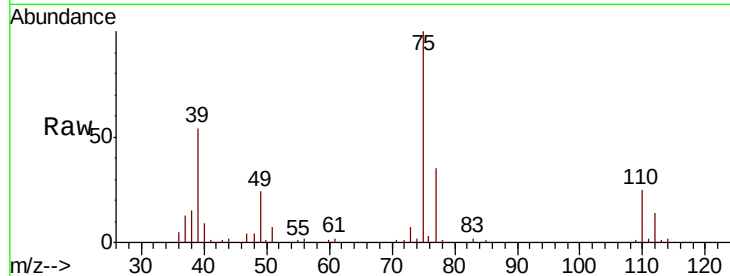
VN0507MBS02

Tot Ion: 75 Resp: 92199

Ion Ratio Lower Upper

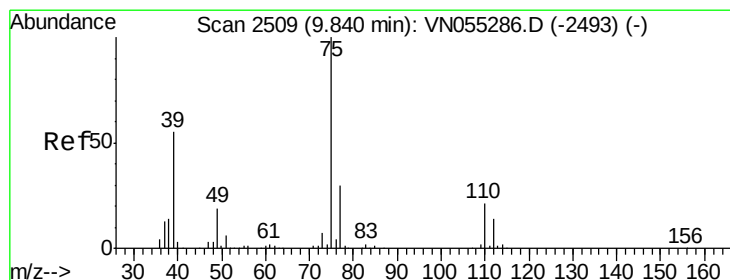
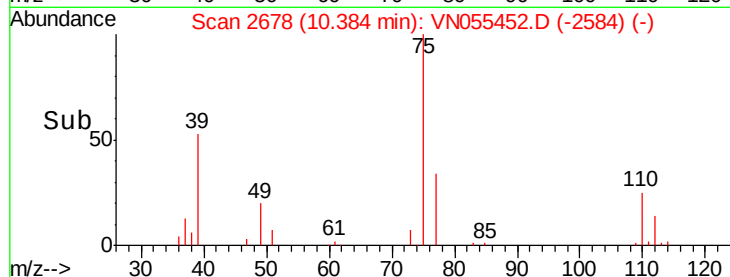
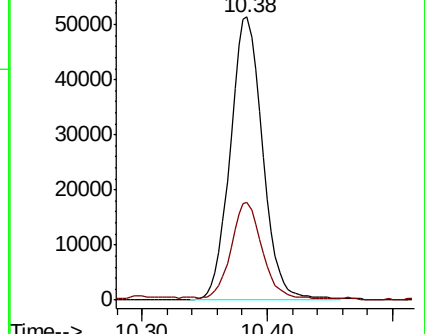
75 100

77 34.1 24.4 36.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.454 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055452.D

Acq: 7 May 2019 22:13

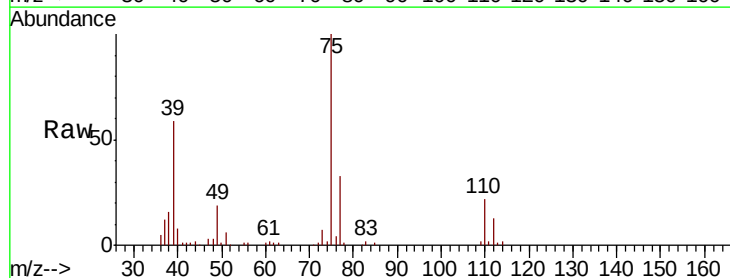
Tgt Ion: 75 Resp: 110981

Ion Ratio Lower Upper

75 100

77 32.6 24.2 36.2

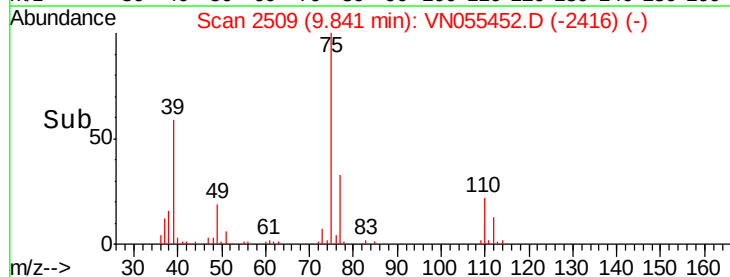
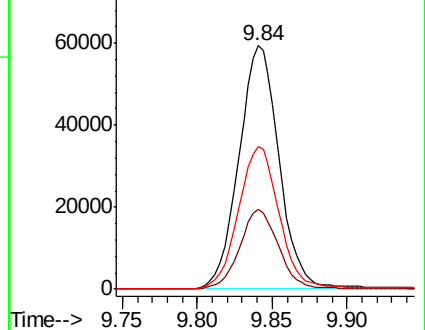
39 58.6 44.2 66.2

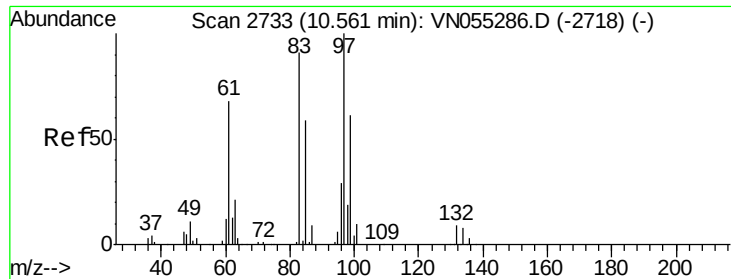


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

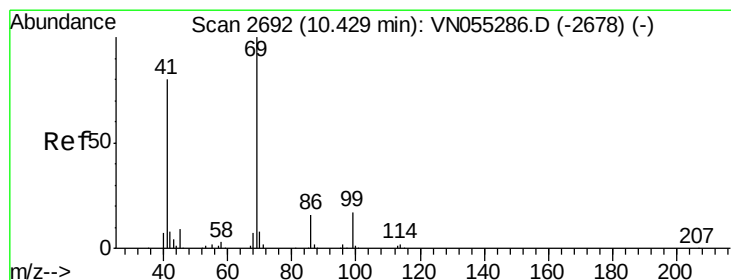
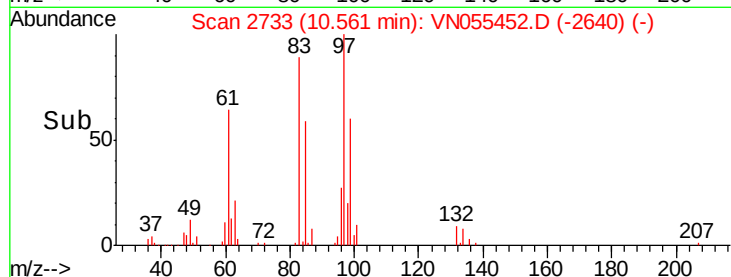
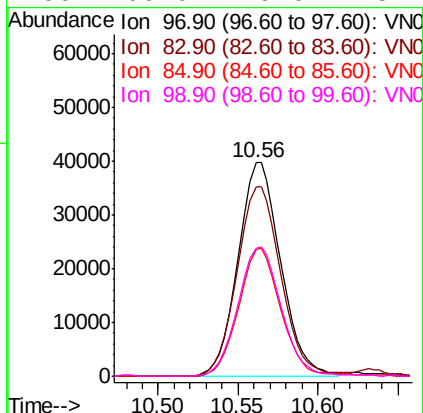
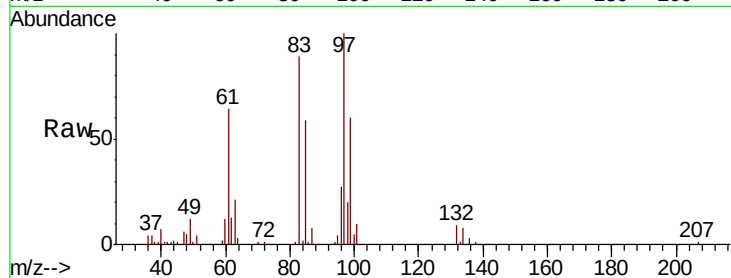




#55
 1,1,2-Trichloroethane
 Concen: 21.736 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055452.D
 Acq: 7 May 2019 22:13

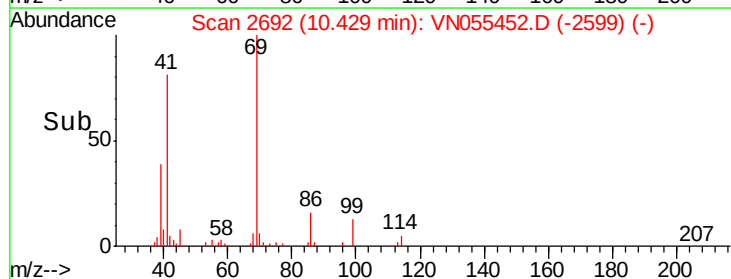
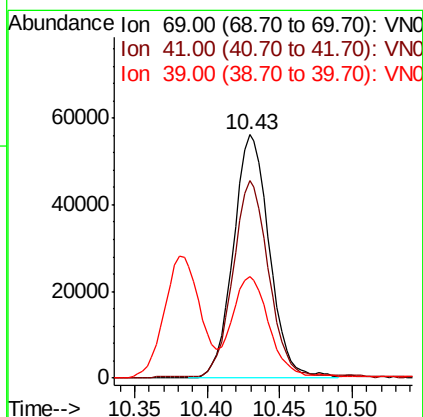
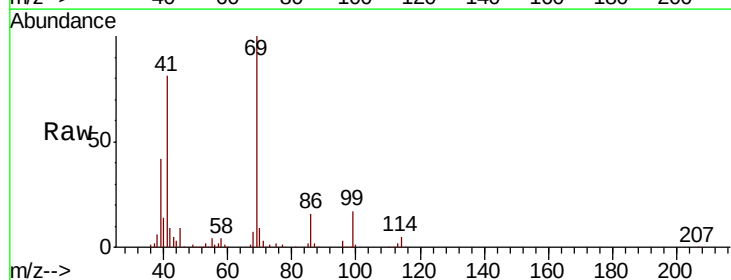
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBS02

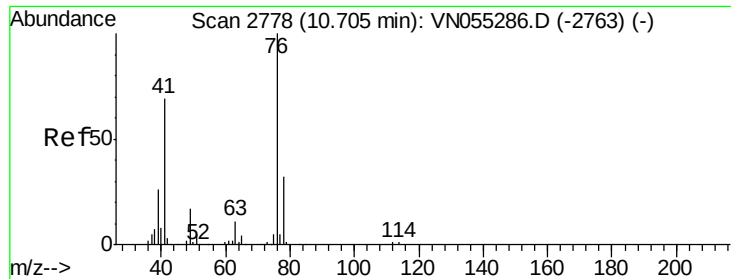
Tot Ion: 97 Resp: 72171
 Ion Ratio Lower Upper
 97 100
 83 88.8 72.8 109.2
 85 59.4 47.0 70.6
 99 60.0 49.0 73.4



#56
 Ethyl methacrylate
 Concen: 23.711 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055452.D
 Acq: 7 May 2019 22:13

Tgt Ion: 69 Resp: 96905
 Ion Ratio Lower Upper
 69 100
 41 79.0 62.7 94.1
 39 40.8 32.0 48.0





#57

1,3-Dichloropropane

Concen: 21.239 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055452.D

Acq: 7 May 2019 22:13

Instrument :

MSVOA_N

ClientSampled :

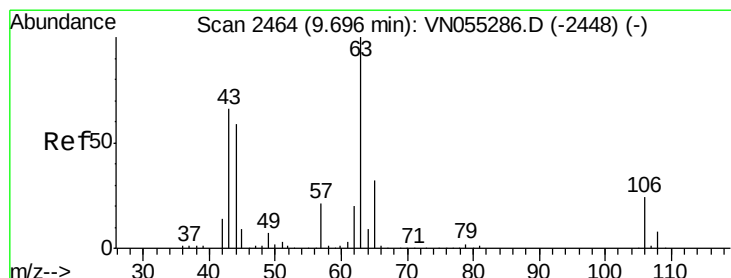
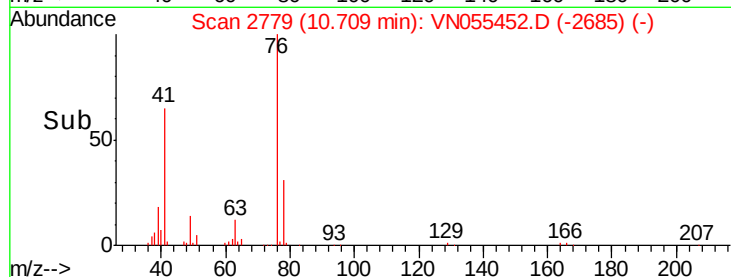
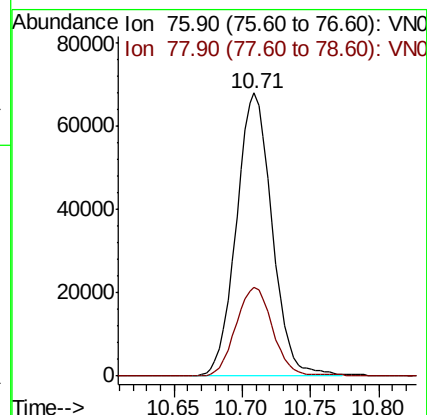
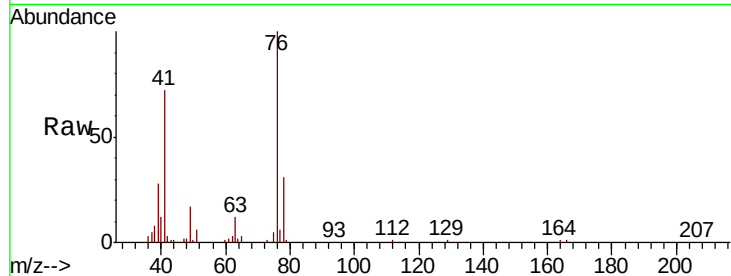
VN0507MBS02

Tot Ion: 76 Resp: 123717

Ion Ratio Lower Upper

76 100

78 32.1 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 91.037 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055452.D

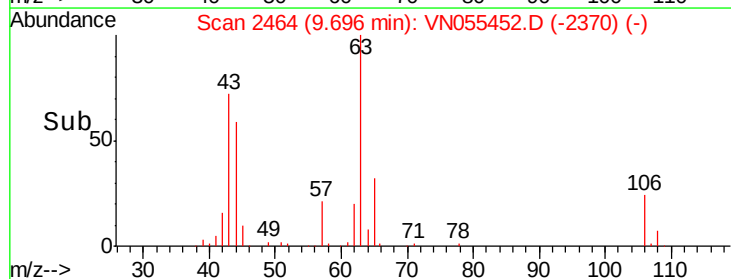
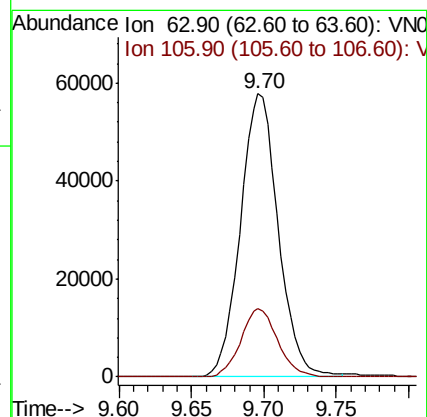
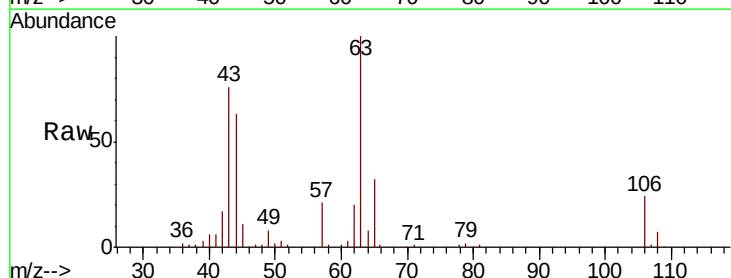
Acq: 7 May 2019 22:13

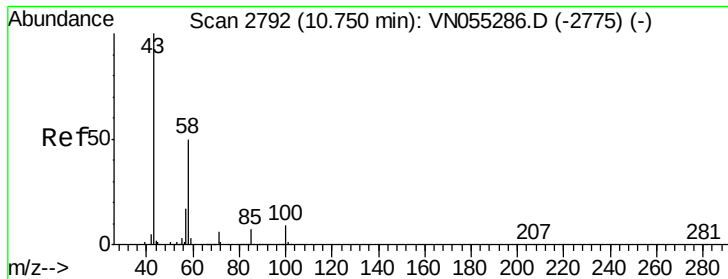
Tgt Ion: 63 Resp: 104941

Ion Ratio Lower Upper

63 100

106 23.5 19.0 28.4

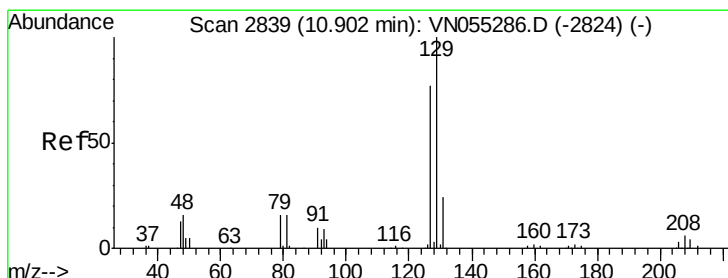
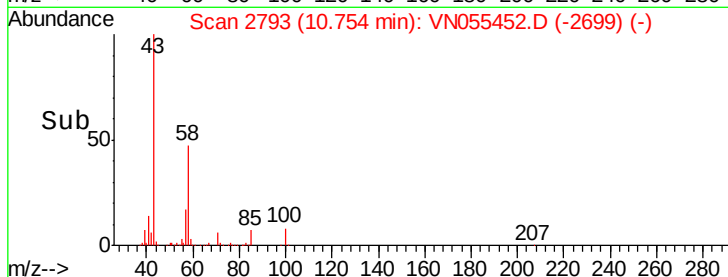
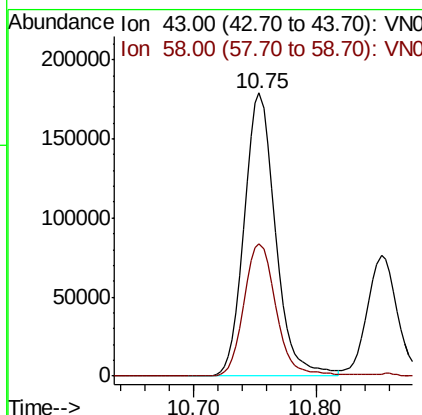
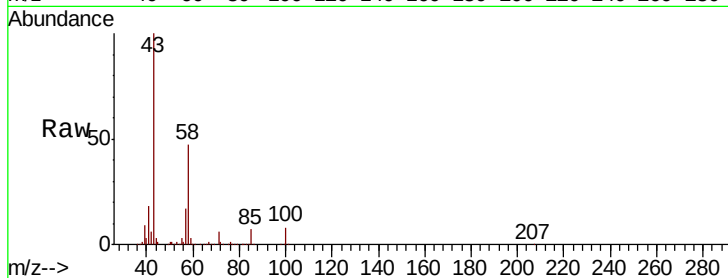




#59
2-Hexanone
Concen: 136.646 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055452.D
Acq: 7 May 2019 22:13

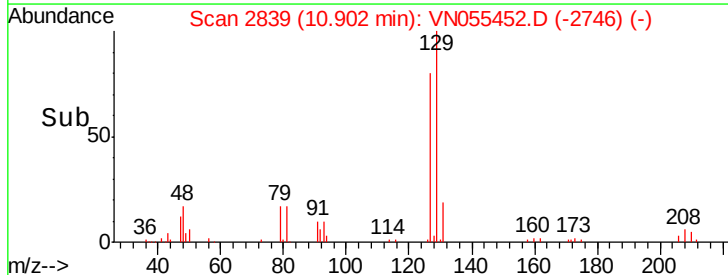
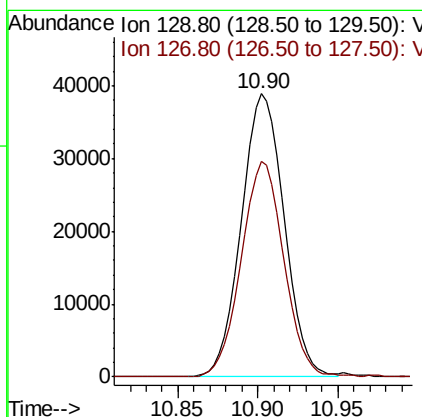
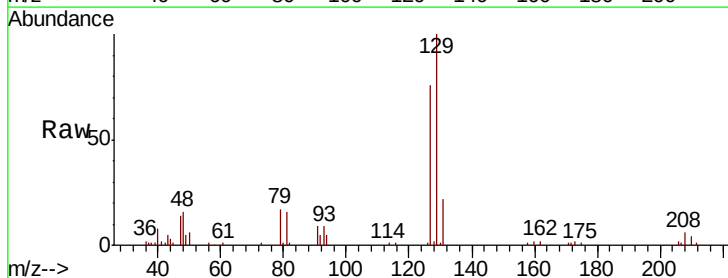
Instrument :
MSVOA_N
ClientSampleId :
VN0507MBS02

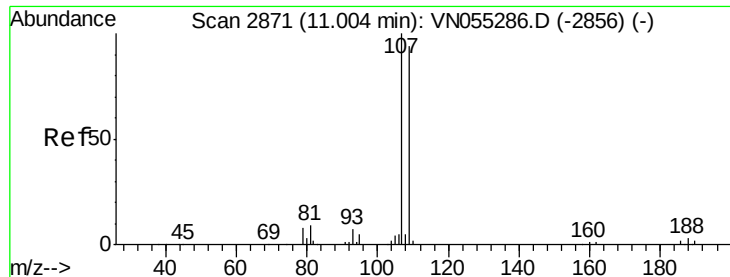
Tot Ion: 43 Resp: 313421
Ion Ratio Lower Upper
43 100
58 48.7 24.9 74.6



#60
Dibromochloromethane
Concen: 20.983 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055452.D
Acq: 7 May 2019 22:13

Tgt Ion: 129 Resp: 71209
Ion Ratio Lower Upper
129 100
127 75.7 38.1 114.5

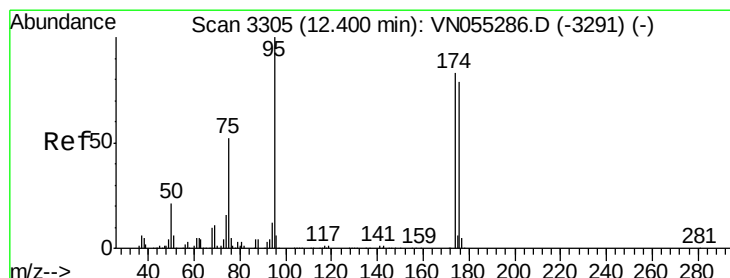
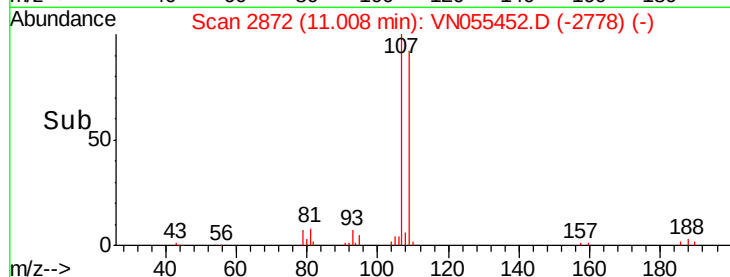
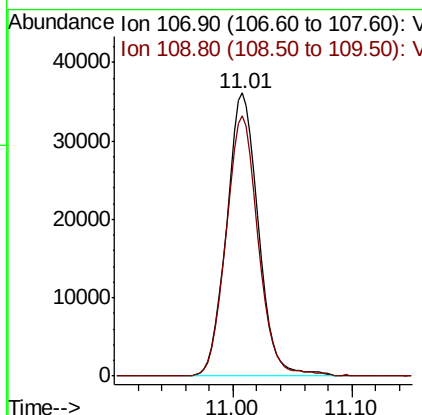
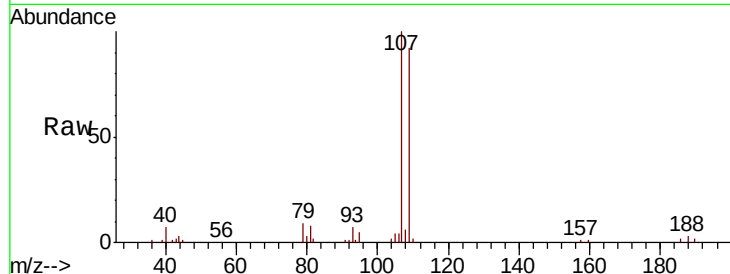




#61
 1,2-Dibromoethane
 Concen: 21.745 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055452.D
 Acq: 7 May 2019 22:13

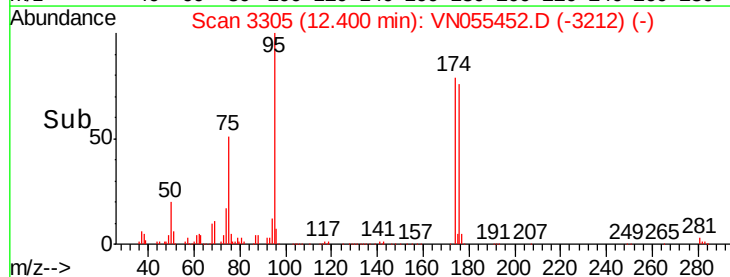
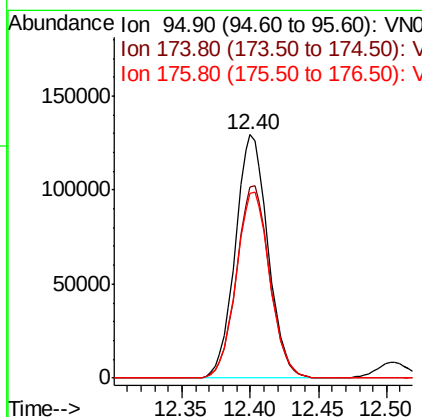
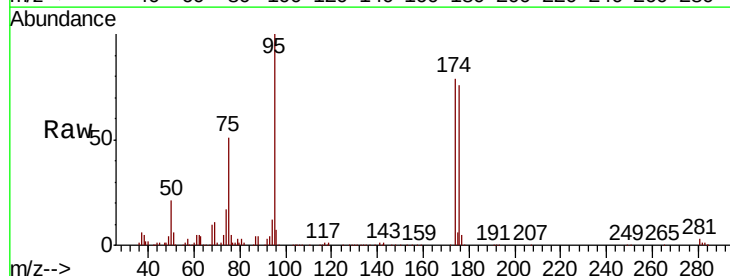
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBS02

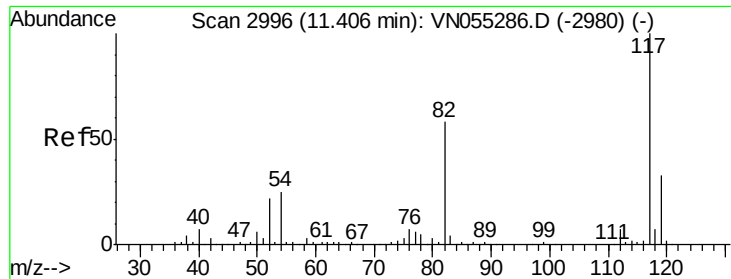
Tot Ion: 107 Resp: 66735
 Ion Ratio Lower Upper
 107 100
 109 93.0 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 52.511 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055452.D
 Acq: 7 May 2019 22:13

Tgt Ion: 95 Resp: 214671
 Ion Ratio Lower Upper
 95 100
 174 80.2 0.0 166.6
 176 79.0 0.0 157.8

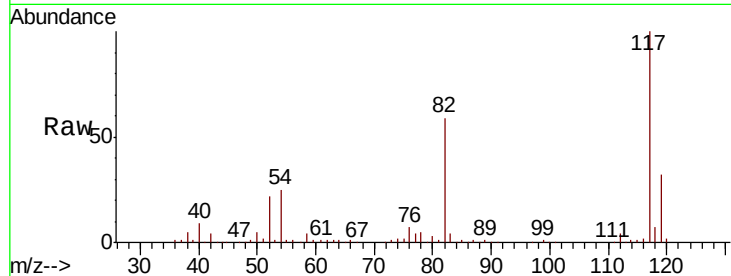




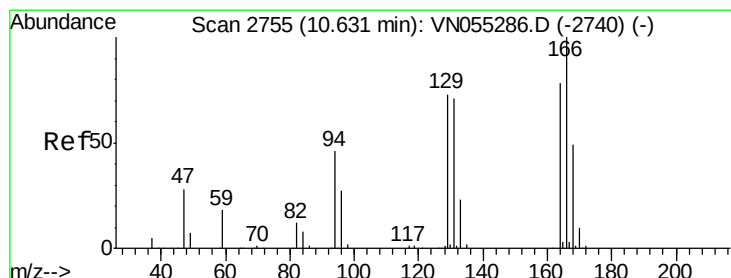
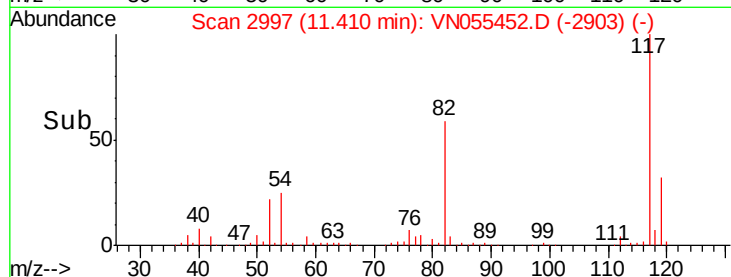
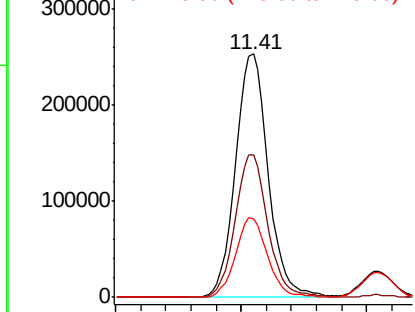
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN055452.D
Acq: 7 May 2019 22:13

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBS02

Tot Ion:117 Resp: 458747
Ion Ratio Lower Upper
117 100
82 58.7 46.2 69.4
119 32.3 26.6 40.0

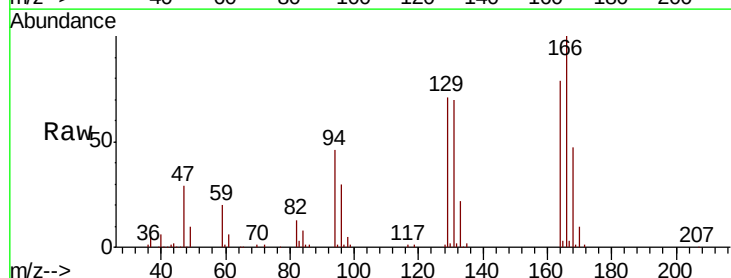


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

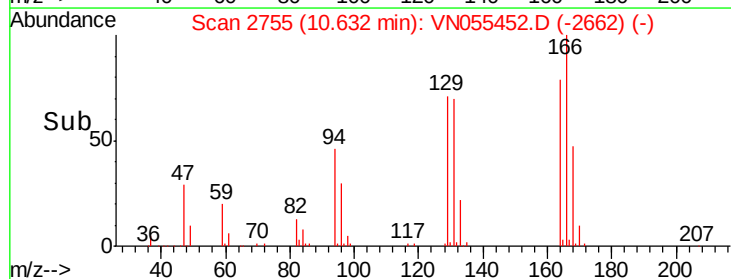
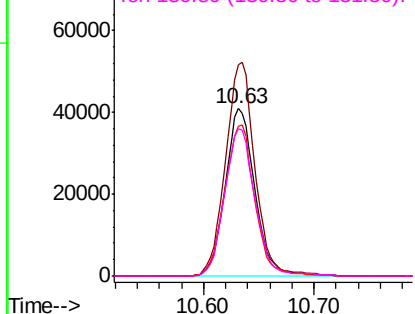


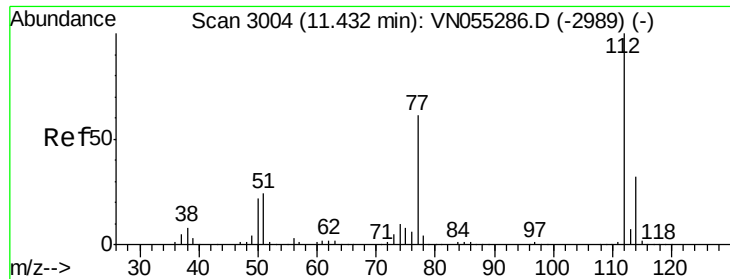
#64
Tetrachloroethene
Concen: 20.326 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055452.D
Acq: 7 May 2019 22:13

Tgt Ion:164 Resp: 76254
Ion Ratio Lower Upper
164 100
166 125.9 102.3 153.5
129 89.5 75.0 112.6
131 87.7 72.7 109.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

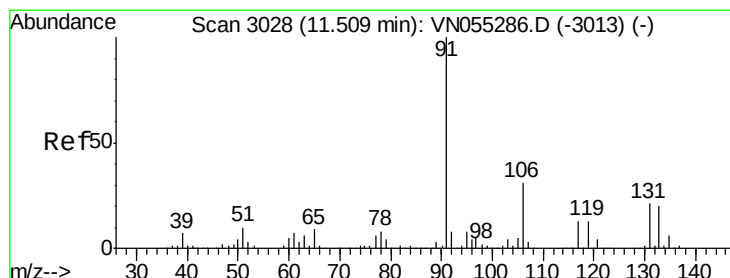
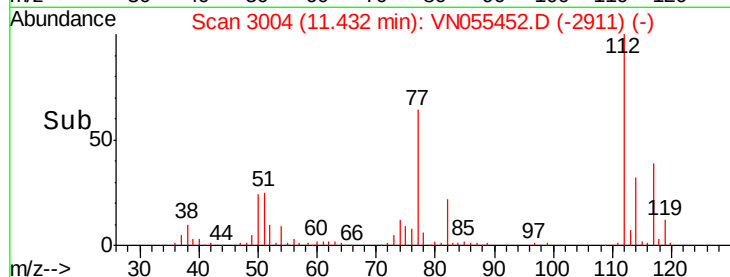
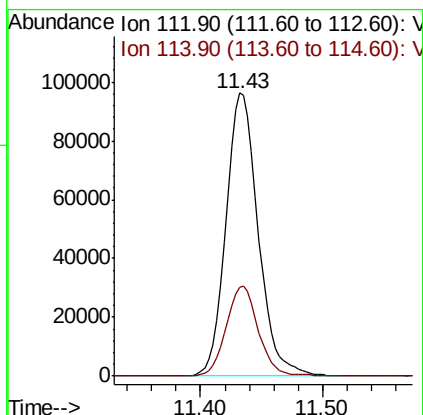
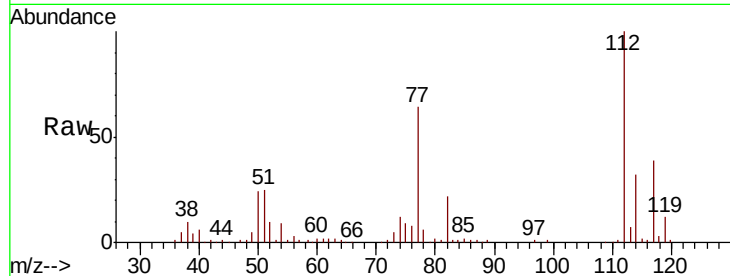




#65
Chlorobenzene
Concen: 19.830 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055452.D
Acq: 7 May 2019 22:13

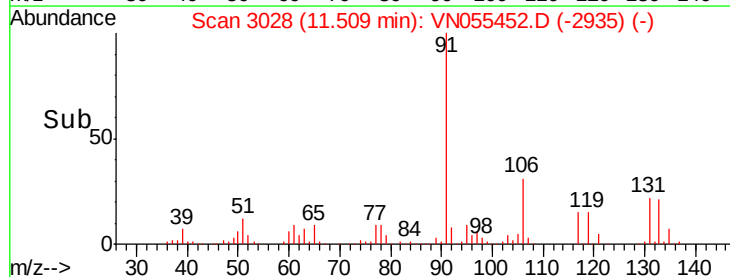
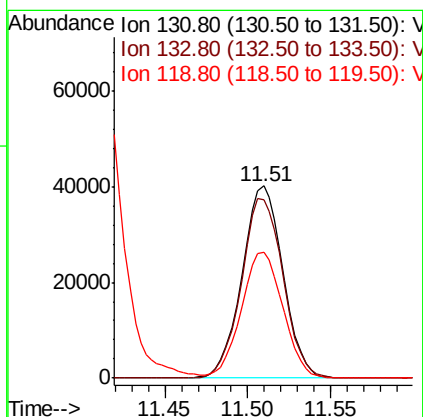
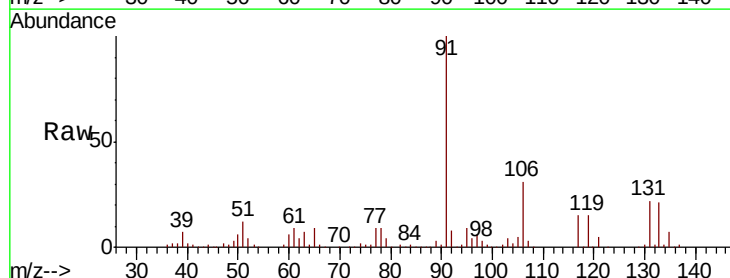
Instrument :
MSVOA_N
ClientSampled :
VN0507MBS02

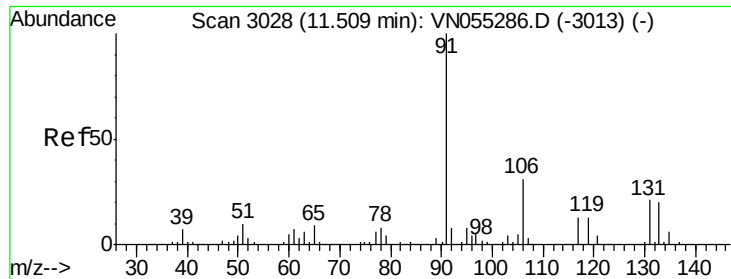
Tot Ion:112 Resp: 177858
Ion Ratio Lower Upper
112 100
114 31.5 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.652 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055452.D
Acq: 7 May 2019 22:13

Tgt Ion:131 Resp: 69017
Ion Ratio Lower Upper
131 100
133 95.3 47.5 142.6
119 66.6 32.7 98.1

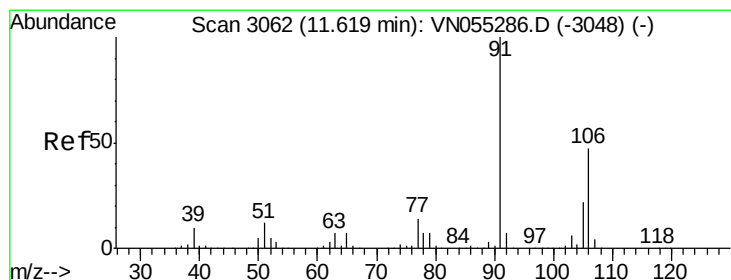
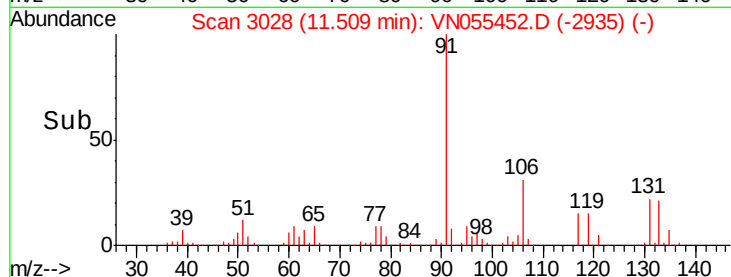
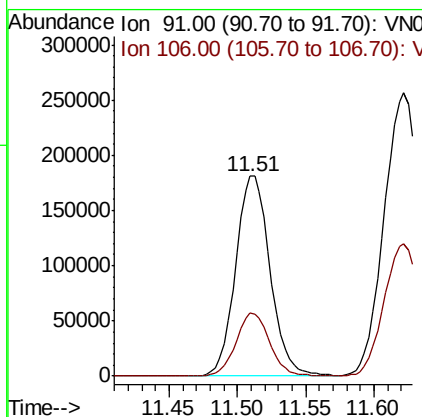
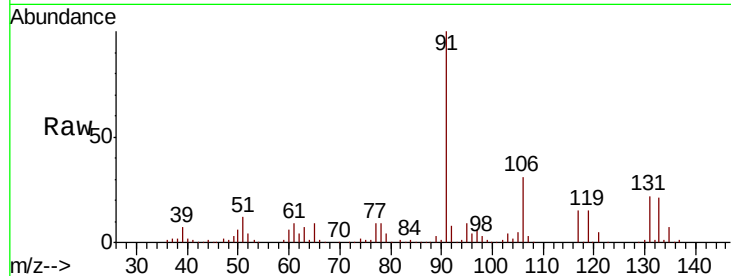




#67
Ethyl Benzene
Concen: 19.646 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055452.D
Acq: 7 May 2019 22:13

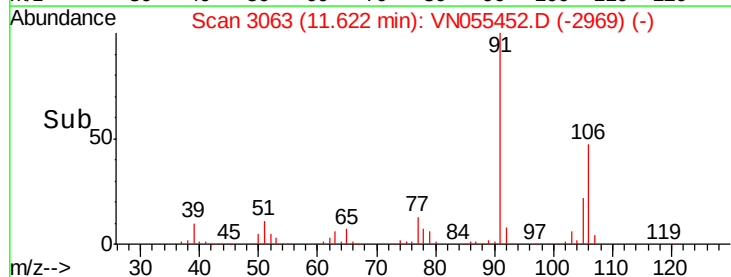
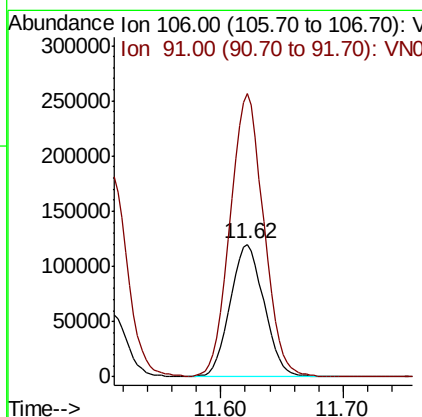
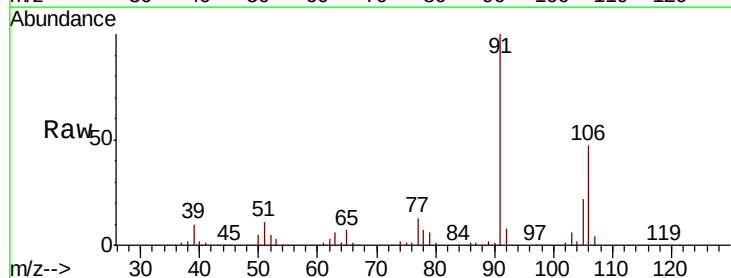
Instrument :
MSVOA_N
ClientSampleId :
VN0507MBS02

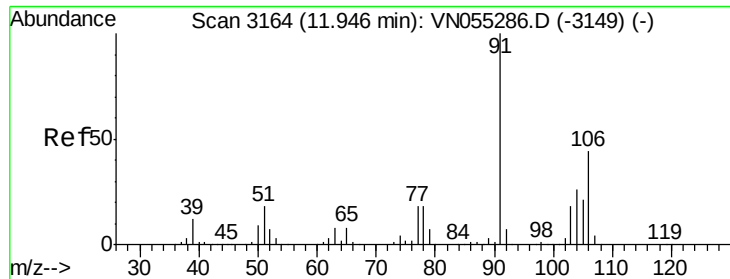
Tot Ion: 91 Resp: 318196
Ion Ratio Lower Upper
91 100
106 31.4 24.6 36.8



#68
m/p-Xylenes
Concen: 40.263 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055452.D
Acq: 7 May 2019 22:13

Tgt Ion: 106 Resp: 232769
Ion Ratio Lower Upper
106 100
91 211.6 169.5 254.3

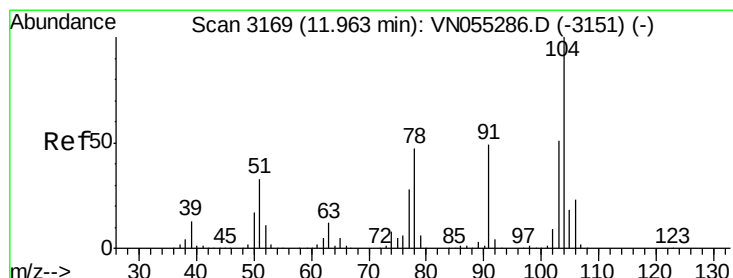
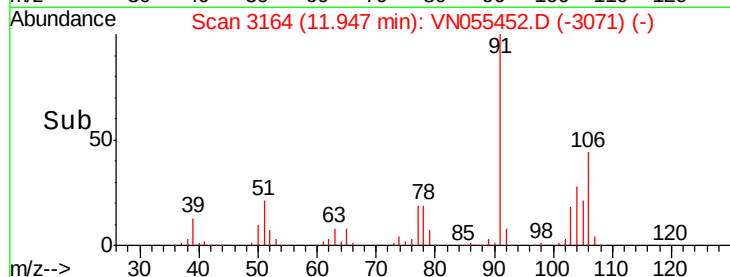
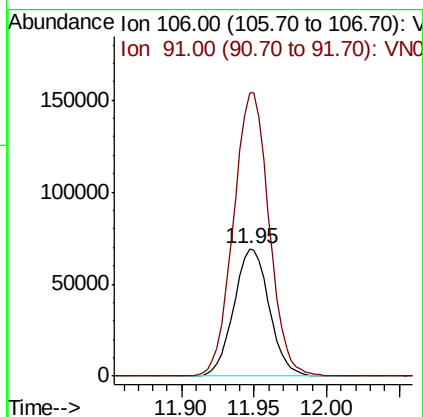
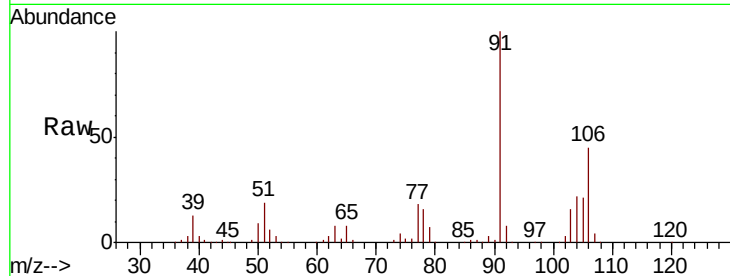




#69
o-Xylene
Concen: 20.539 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055452.D
Acq: 7 May 2019 22:13

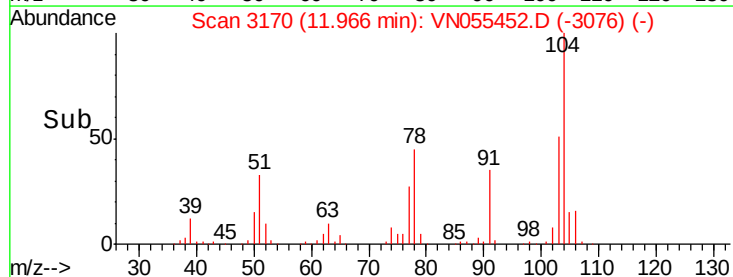
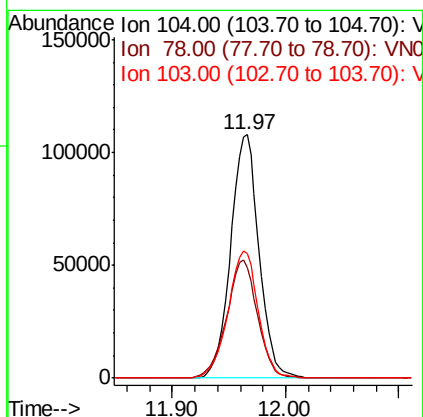
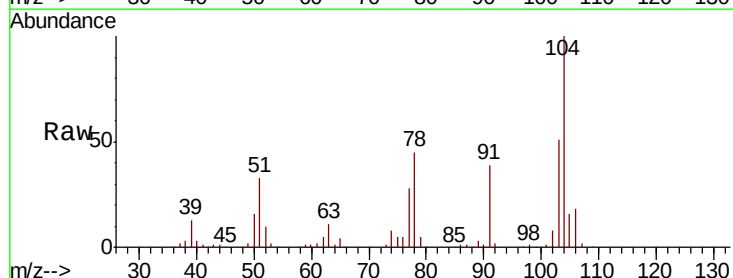
Instrument :
MSVOA_N
ClientSampleId :
VN0507MBS02

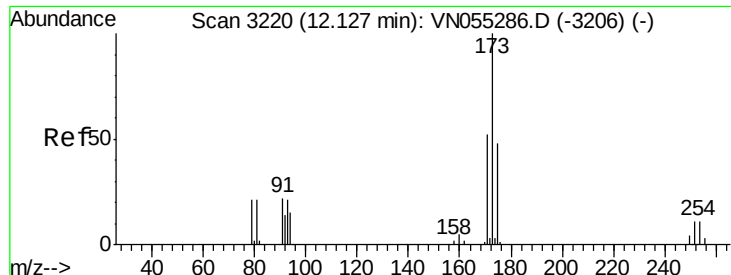
Tot Ion:106 Resp: 117691
Ion Ratio Lower Upper
106 100
91 223.2 111.5 334.5



#70
Styrene
Concen: 21.355 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN055452.D
Acq: 7 May 2019 22:13

Tgt Ion:104 Resp: 187885
Ion Ratio Lower Upper
104 100
78 52.7 42.2 63.2
103 55.8 44.6 67.0

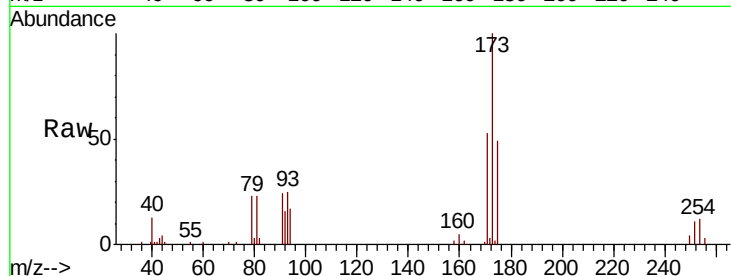




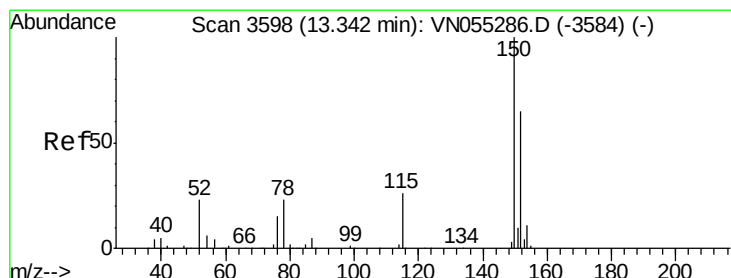
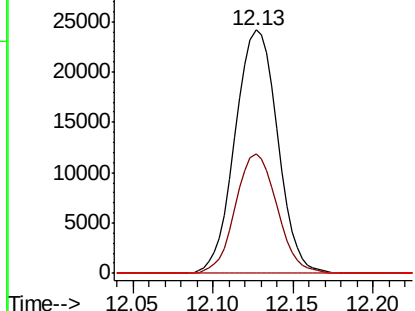
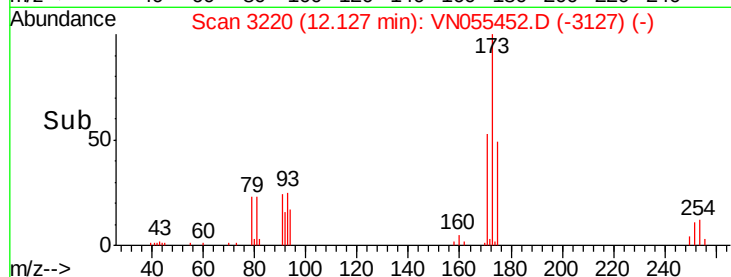
#71
Bromoform
Concen: 22.533 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055452.D
Acq: 7 May 2019 22:13

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBS02

Tot Ion:173 Resp: 43912
Ion Ratio Lower Upper
173 100
175 48.0 23.6 71.0
254 0.0 0.0 0.0

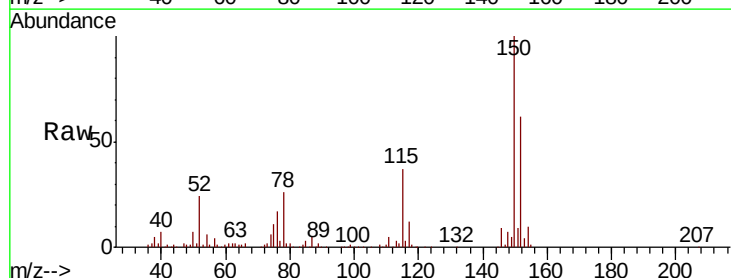


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

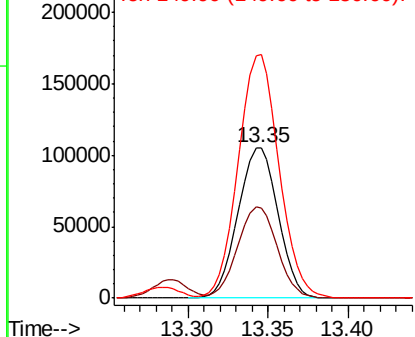
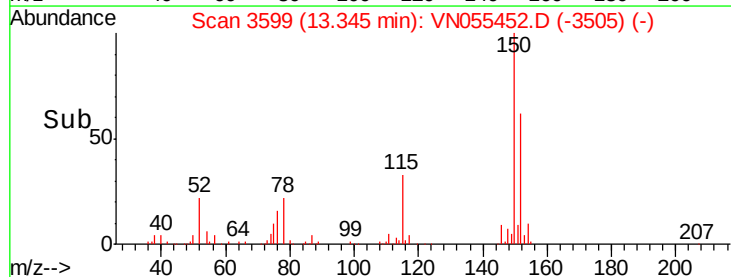


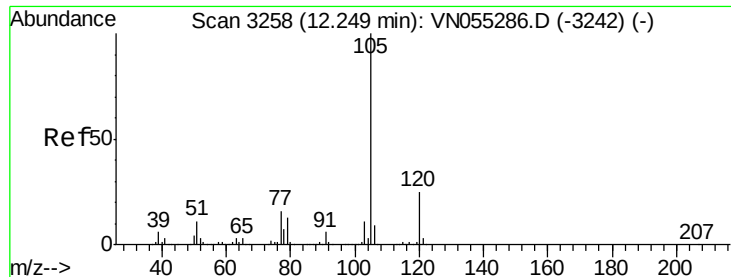
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN055452.D
Acq: 7 May 2019 22:13

Tgt Ion:152 Resp: 179408
Ion Ratio Lower Upper
152 100
115 60.2 29.0 87.0
150 164.5 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: 20.576 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055452.D

Acq: 7 May 2019 22:13

Instrument :

MSVOA_N

ClientSampleId :

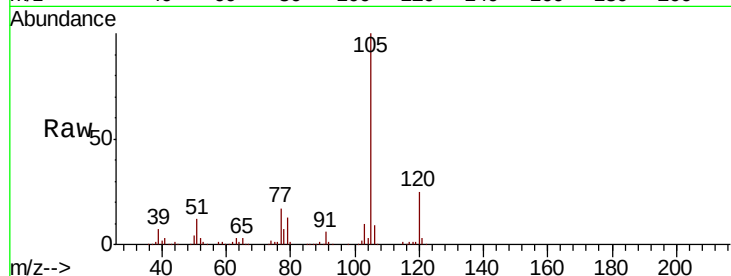
VN0507MBS02

Tot Ion:105 Resp: 320296

Ion Ratio Lower Upper

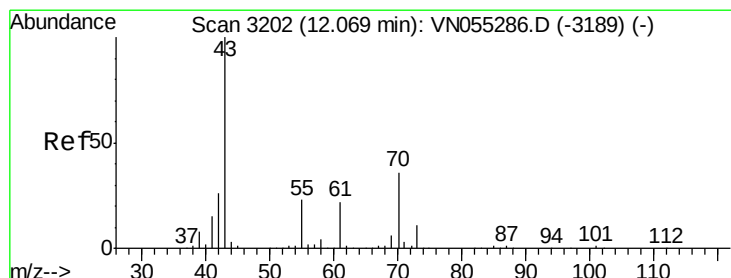
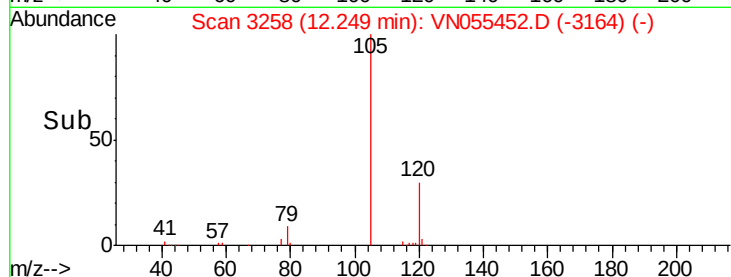
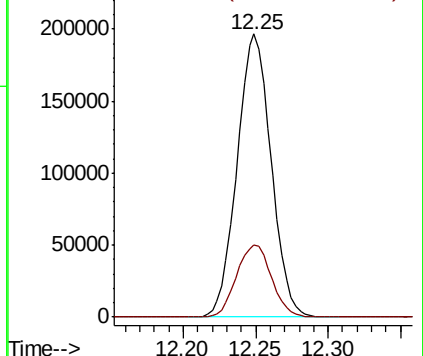
105 100

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: 24.405 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055452.D

Acq: 7 May 2019 22:13

Tgt Ion: 43 Resp: 112370

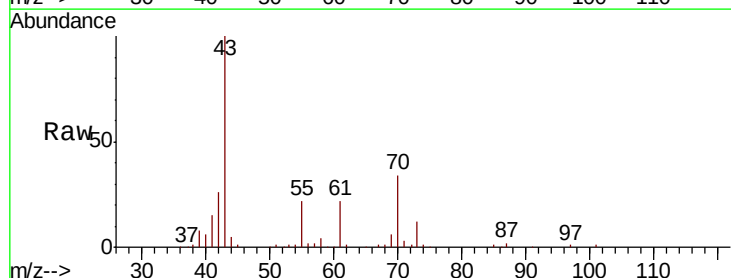
Ion Ratio Lower Upper

43 100

70 34.9 27.9 41.9

55 23.0 18.2 27.2

61 21.6 16.9 25.3

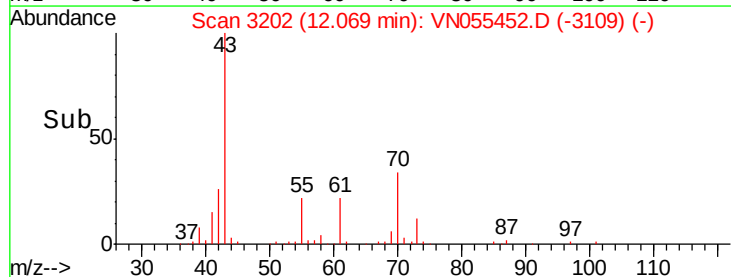
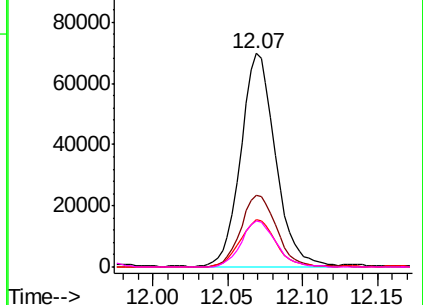


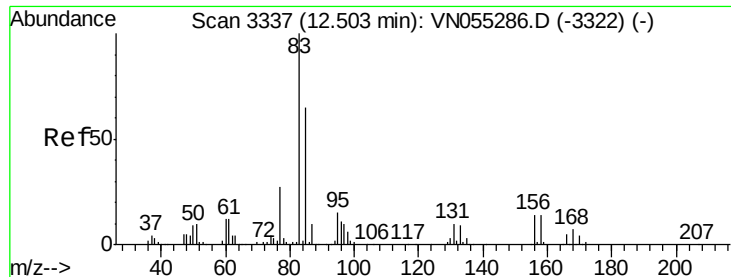
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 24.153 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055452.D

Acq: 7 May 2019 22:13

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBS02

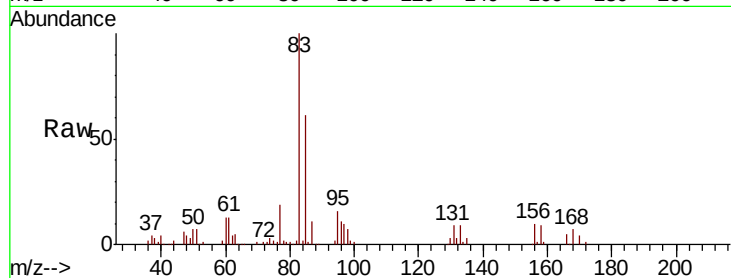
Tot Ion: 83 Resp: 91701

Ion Ratio Lower Upper

83 100

131 9.6 5.1 15.2

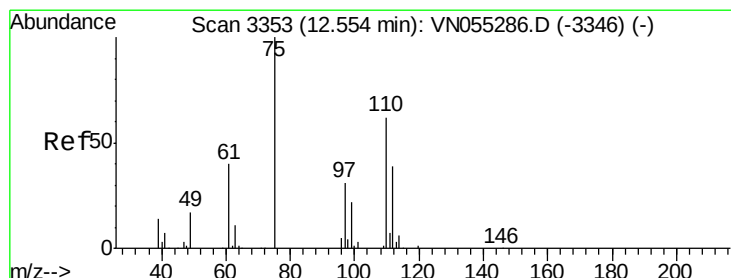
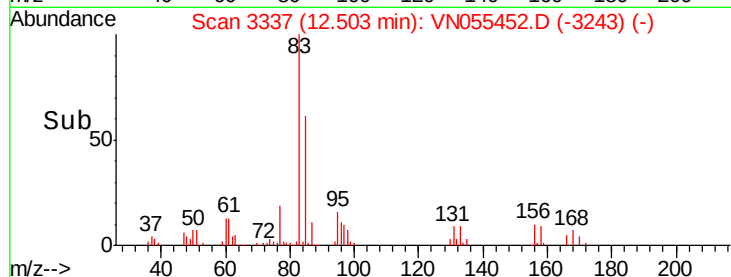
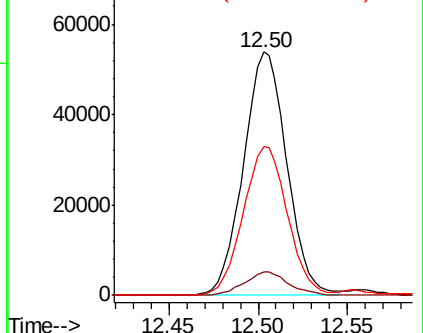
85 62.1 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN055452.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN055452.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN055452.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 30.910 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055452.D

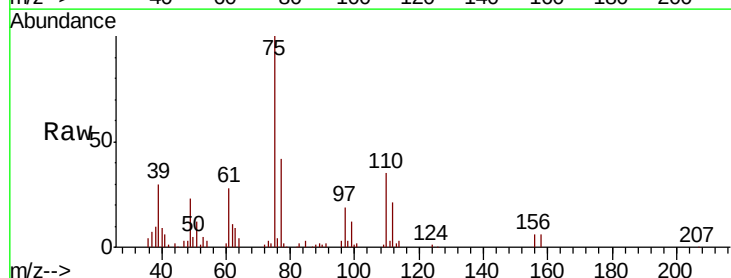
Acq: 7 May 2019 22:13

Tgt Ion: 75 Resp: 106282

Ion Ratio Lower Upper

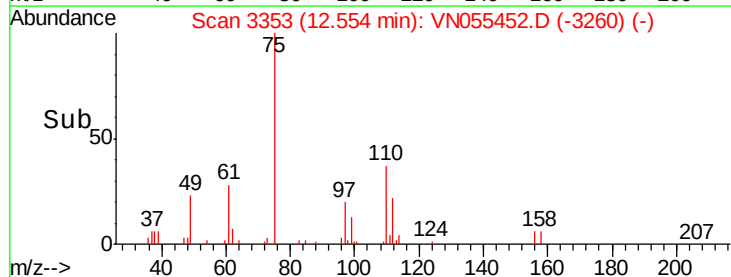
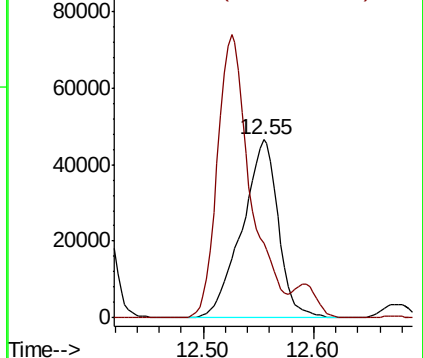
75 100

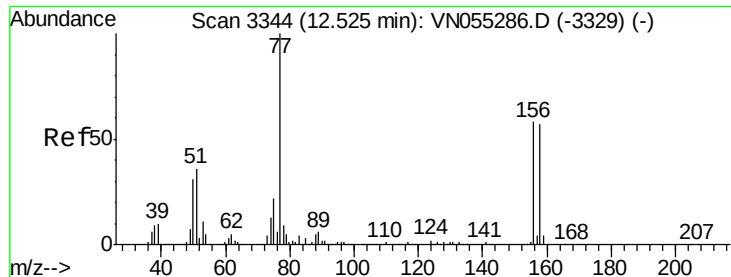
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055452.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055452.D (-3260) (-)





#77

Bromobenzene

Concen: 20.473 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055452.D

Acq: 7 May 2019 22:13

Instrument :

MSVOA_N

ClientSampled :

VN0507MBS02

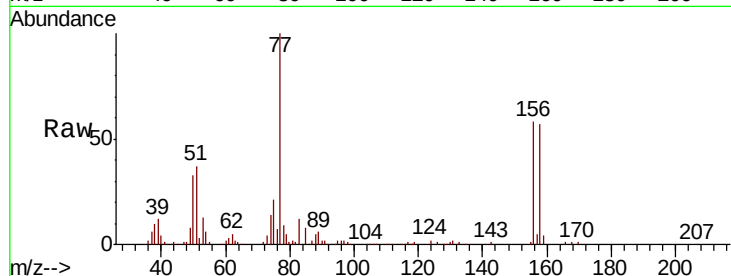
Tot Ion:156 Resp: 74525

Ion Ratio Lower Upper

156 100

77 207.4 99.6 298.8

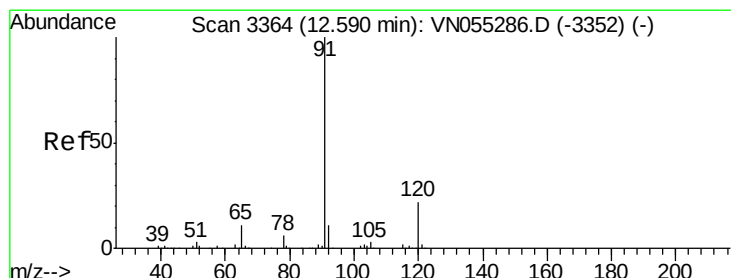
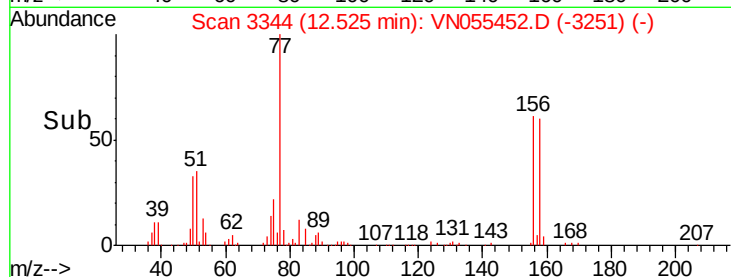
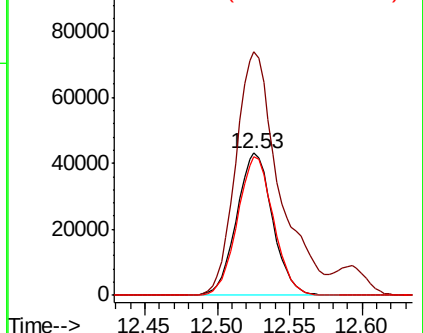
158 97.6 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.649 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055452.D

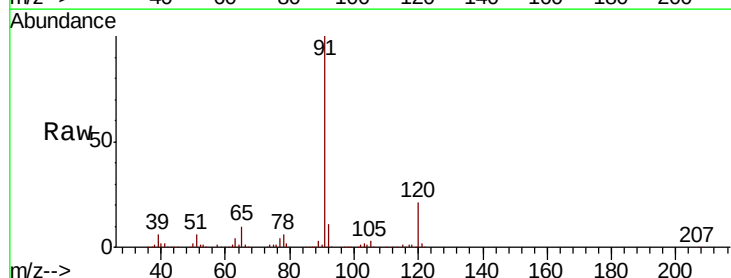
Acq: 7 May 2019 22:13

Tgt Ion: 91 Resp: 343689

Ion Ratio Lower Upper

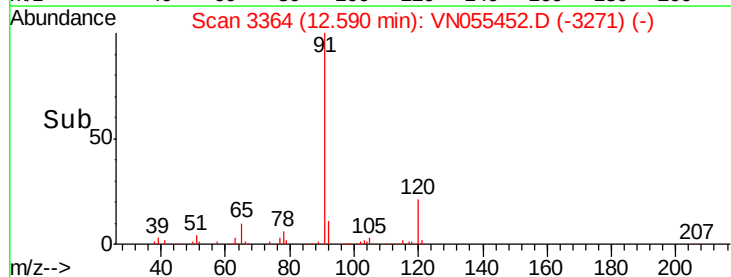
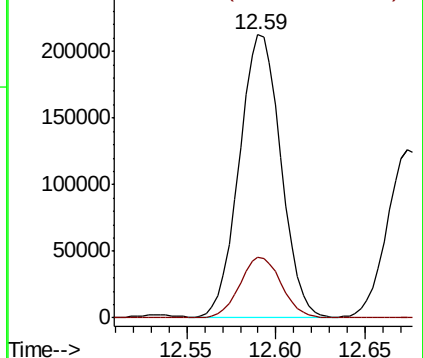
91 100

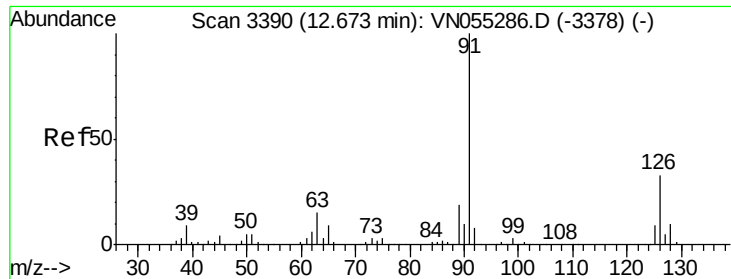
120 21.6 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

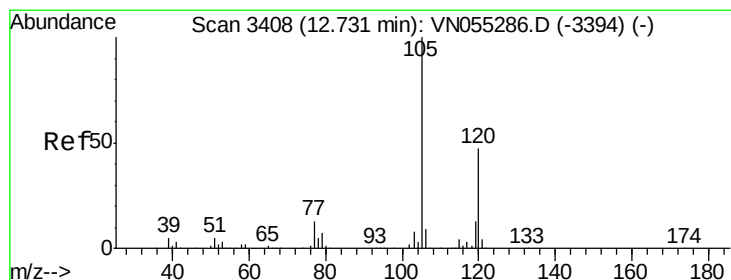
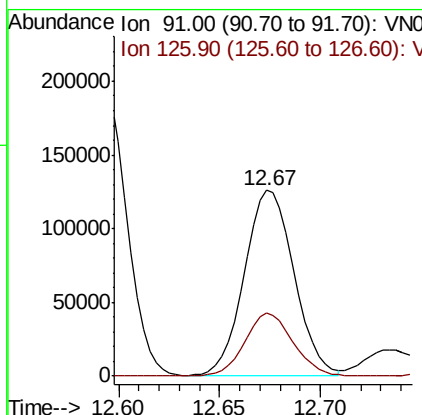
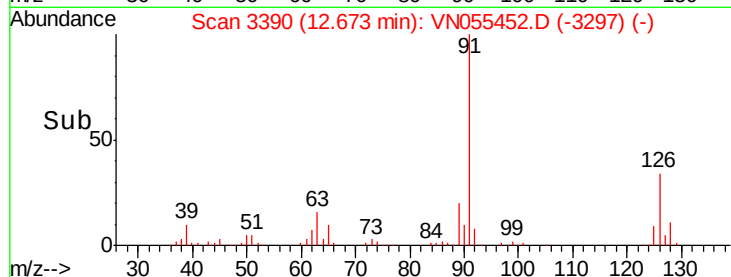
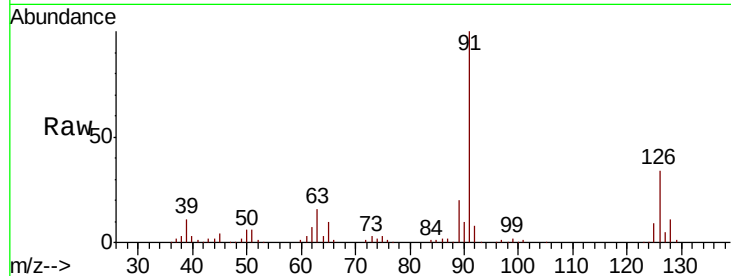




#79
 2-Chlorotoluene
 Concen: 20.656 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055452.D
 Acq: 7 May 2019 22:13

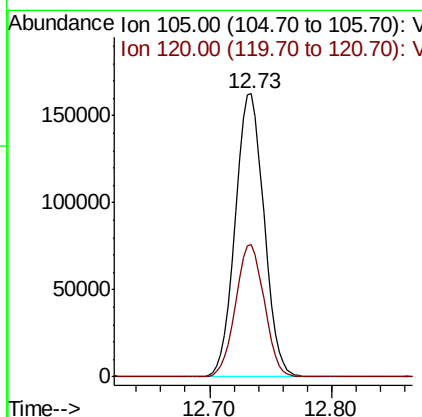
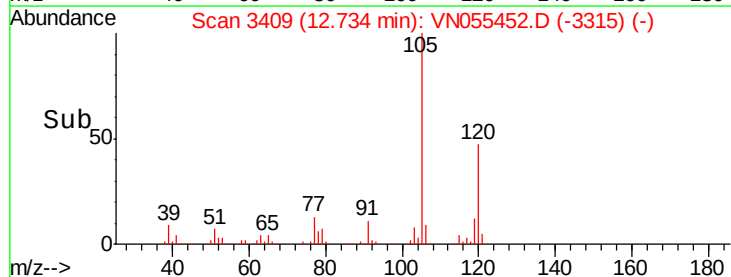
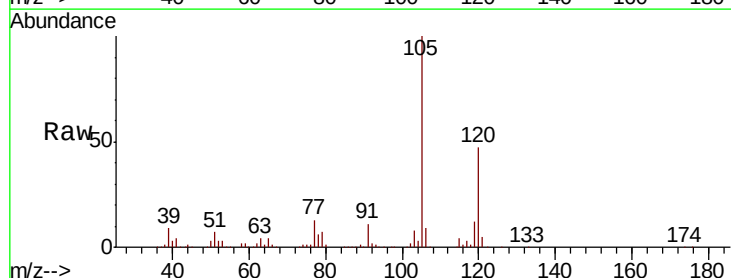
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBS02

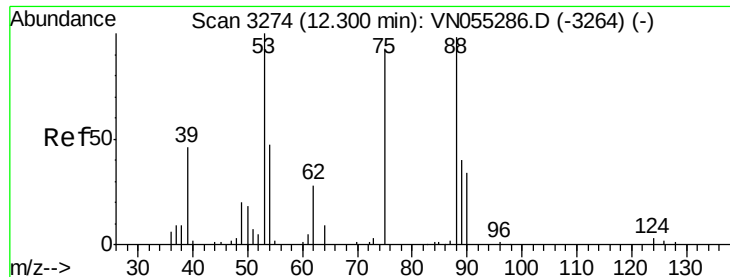
Tot Ion: 91 Resp: 216034
 Ion Ratio Lower Upper
 91 100
 126 33.2 16.6 49.7



#80
 1,3,5-Trimethylbenzene
 Concen: 18.936 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN055452.D
 Acq: 7 May 2019 22:13

Tgt Ion: 105 Resp: 266340
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 21.372 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055452.D

Acq: 7 May 2019 22:13

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBS02

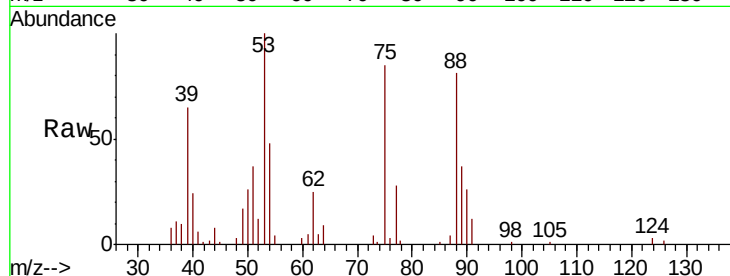
Tot Ion: 75 Resp: 20233

Ion Ratio Lower Upper

75 100

53 115.1 86.3 129.5

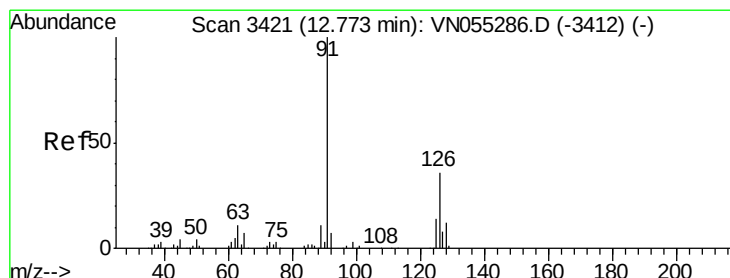
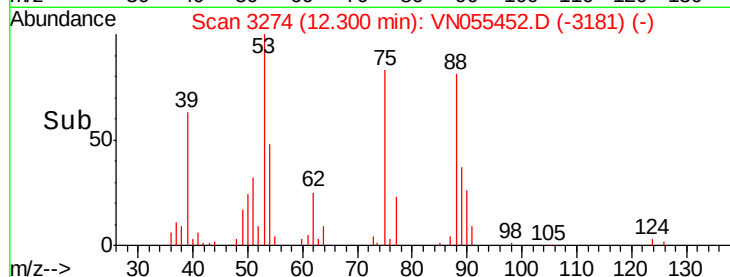
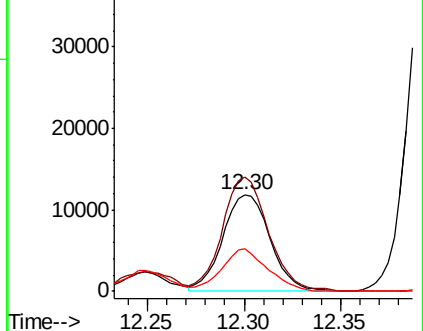
89 42.9 34.6 51.8



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: 18.570 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055452.D

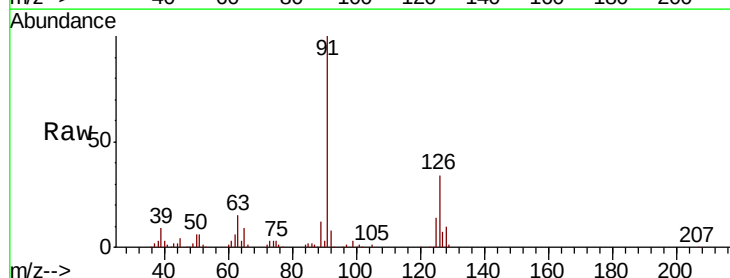
Acq: 7 May 2019 22:13

Tgt Ion: 91 Resp: 198984

Ion Ratio Lower Upper

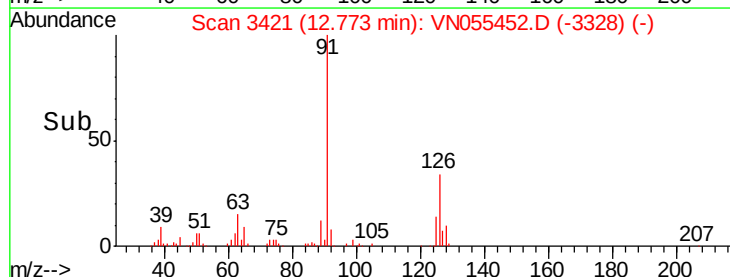
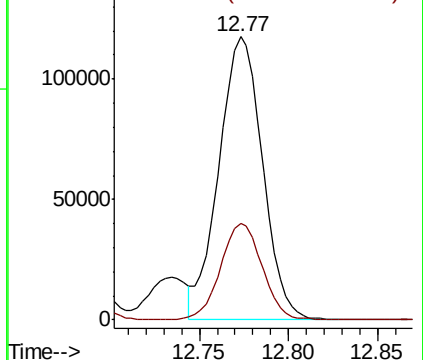
91 100

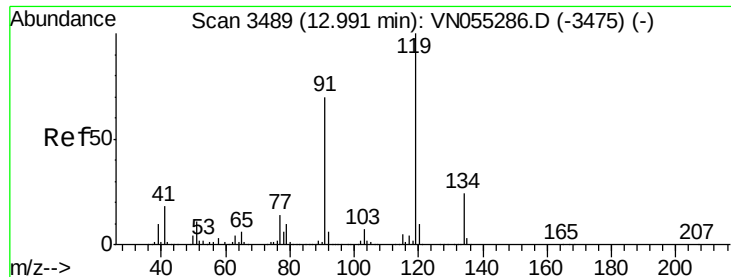
126 32.8 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

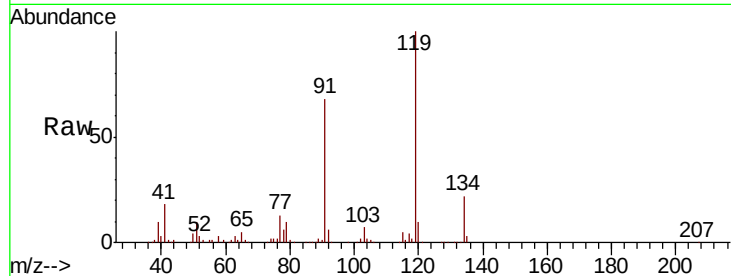




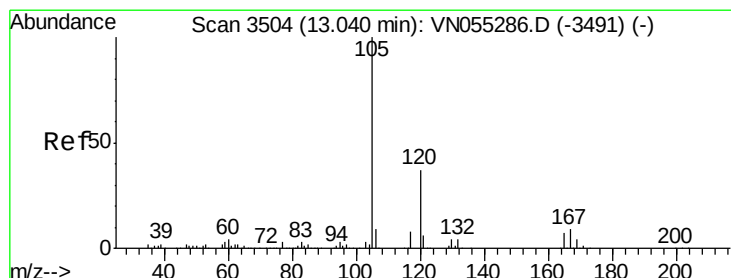
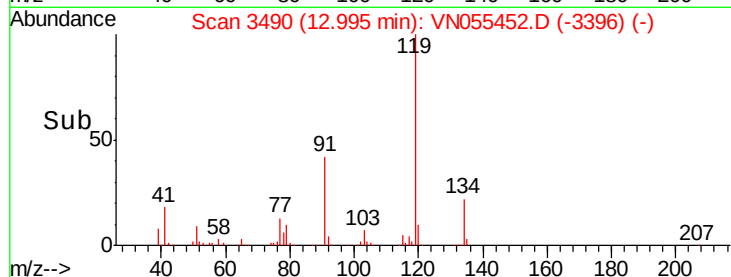
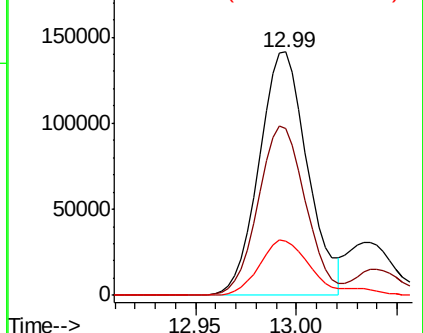
#83
 tert-Butylbenzene
 Concen: 22.113 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN055452.D
 Acq: 7 May 2019 22:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBS02

Tot Ion:119 Resp: 236304
 Ion Ratio Lower Upper
 119 100
 91 68.2 34.3 102.9
 134 25.2 13.1 39.3

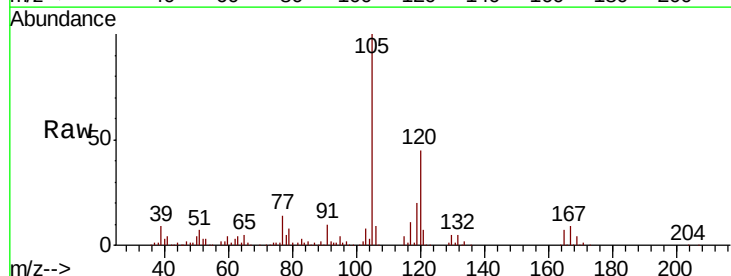


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

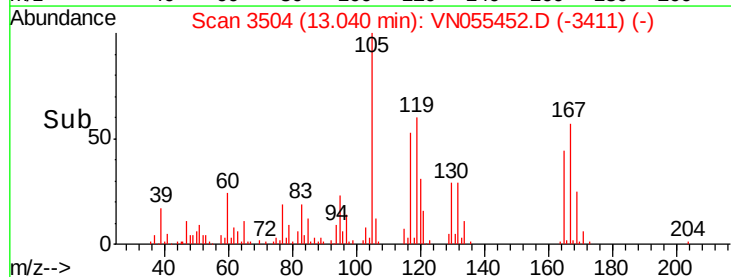
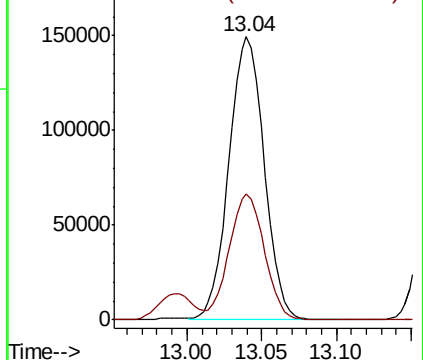


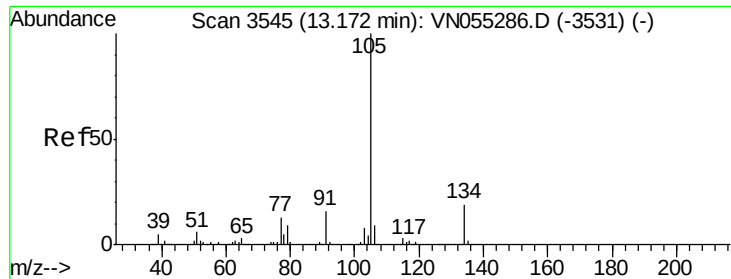
#84
 1,2,4-Trimethylbenzene
 Concen: 19.516 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055452.D
 Acq: 7 May 2019 22:13

Tgt Ion:105 Resp: 245489
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.1 66.5



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





#85

sec-Butylbenzene

Concen: 19.557 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055452.D

Acq: 7 May 2019 22:13

Instrument :

MSVOA_N

ClientSampleId :

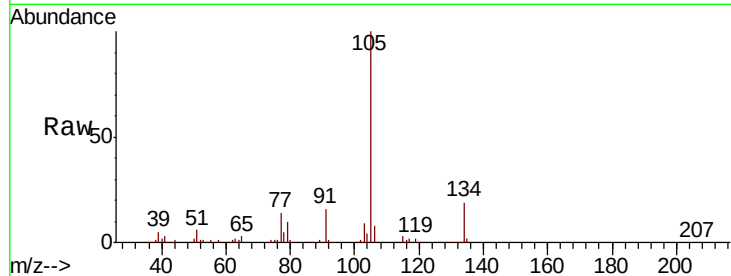
VN0507MBS02

Tot Ion:105 Resp: 298967

Ion Ratio Lower Upper

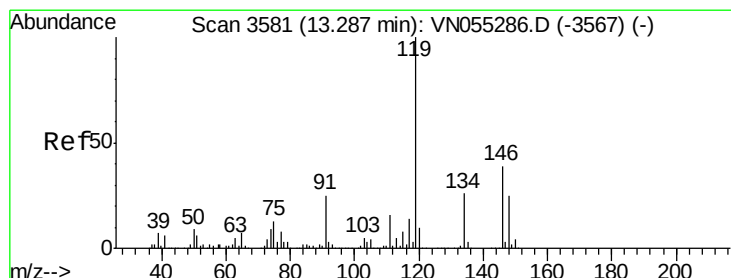
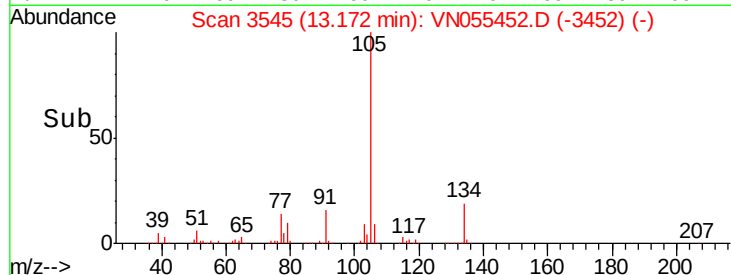
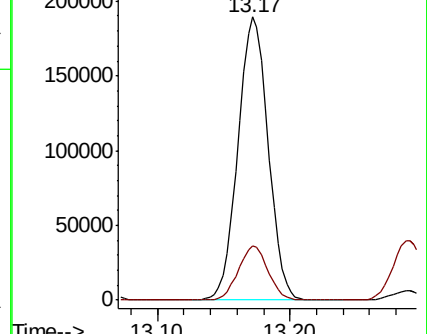
105 100

134 18.8 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.702 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055452.D

Acq: 7 May 2019 22:13

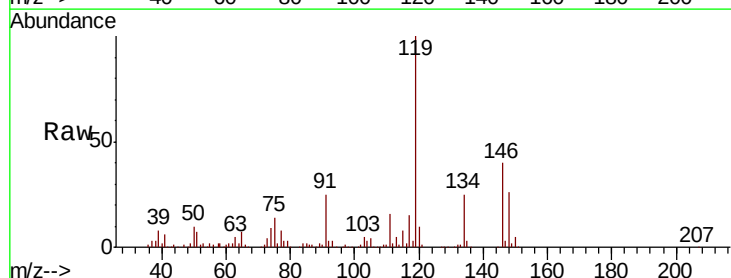
Tgt Ion:119 Resp: 247556

Ion Ratio Lower Upper

119 100

134 25.7 13.0 38.9

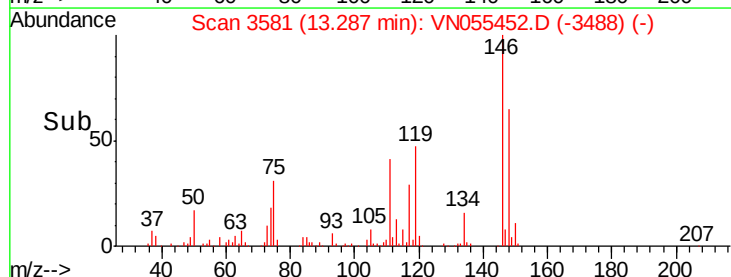
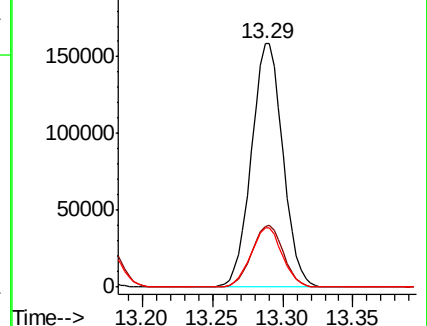
91 24.6 12.2 36.6

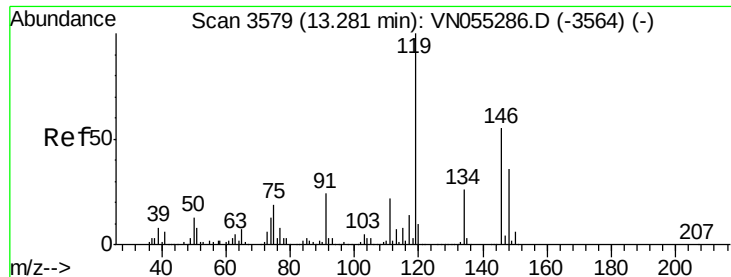


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

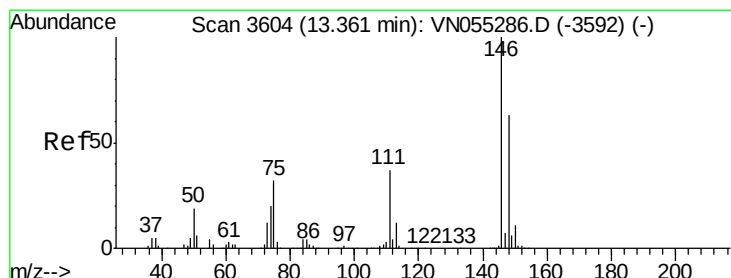
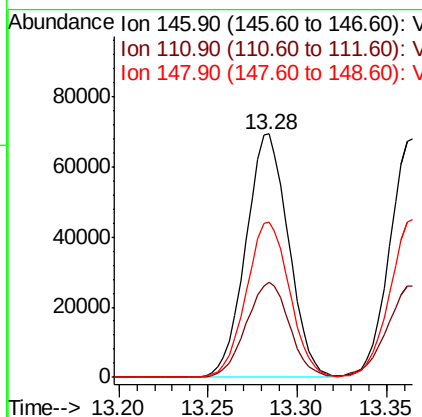
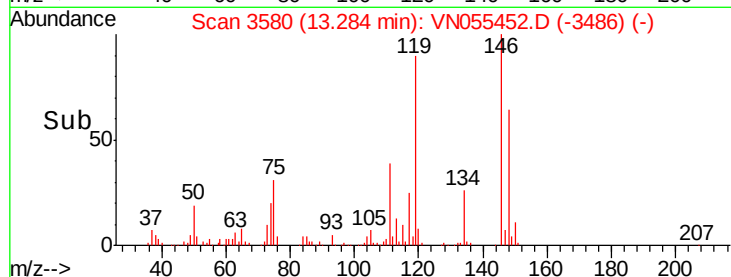
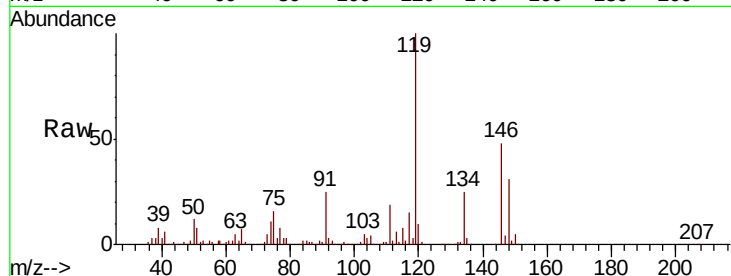




#87
 1,3-Dichlorobenzene
 Concen: 19.374 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055452.D
 Acq: 7 May 2019 22:13

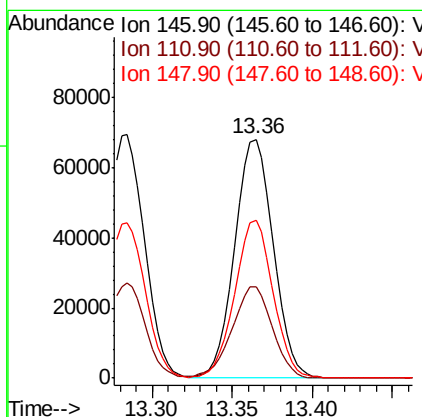
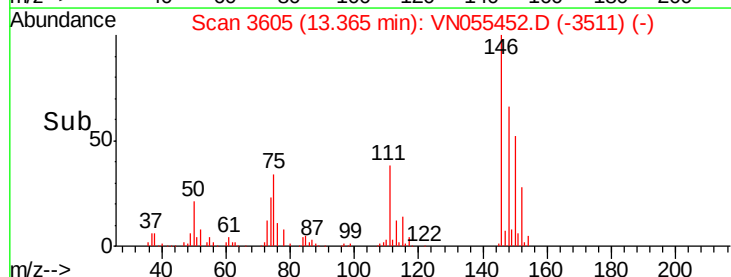
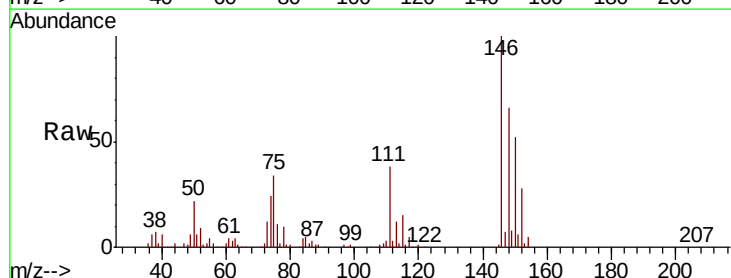
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBS02

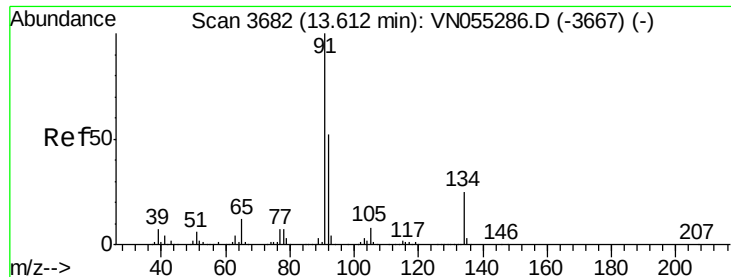
Tot Ion:146 Resp: 116313
 Ion Ratio Lower Upper
 146 100
 111 39.5 20.3 60.8
 148 64.5 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 19.778 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055452.D
 Acq: 7 May 2019 22:13

Tgt Ion:146 Resp: 111816
 Ion Ratio Lower Upper
 146 100
 111 40.2 19.5 58.5
 148 65.6 32.5 97.4





#89

n-Butylbenzene

Concen: 19.474 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN055452.D

Acq: 7 May 2019 22:13

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBS02

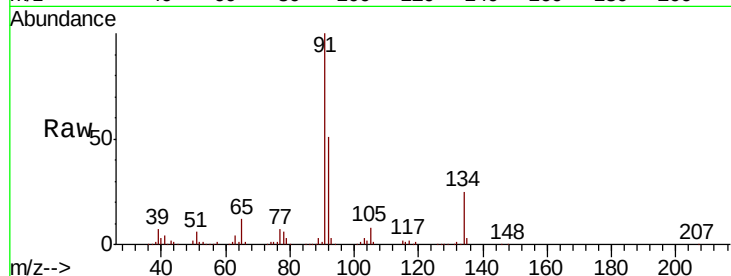
Tot Ion: 91 Resp: 173869

Ion Ratio Lower Upper

91 100

92 50.3 26.1 78.3

134 24.9 12.4 37.4

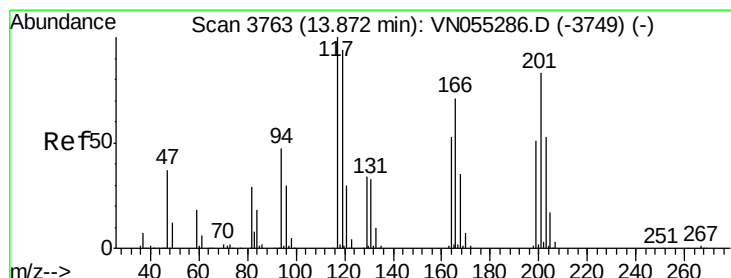
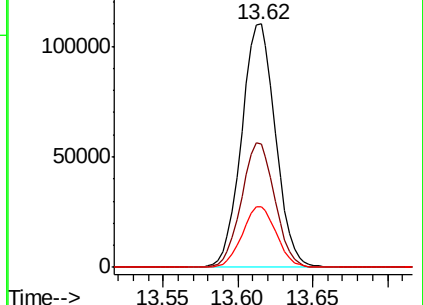
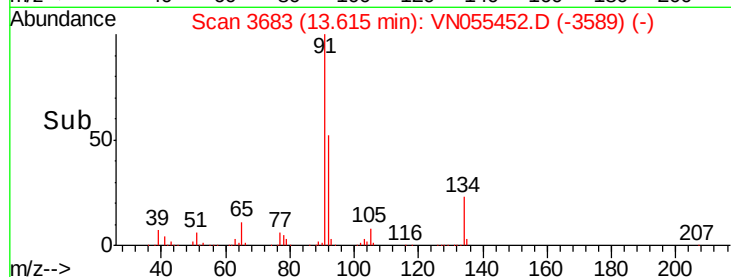


Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN055286.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN055286.D (-3667) (-)

Time-->



#90

Hexachloroethane

Concen: 20.135 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055452.D

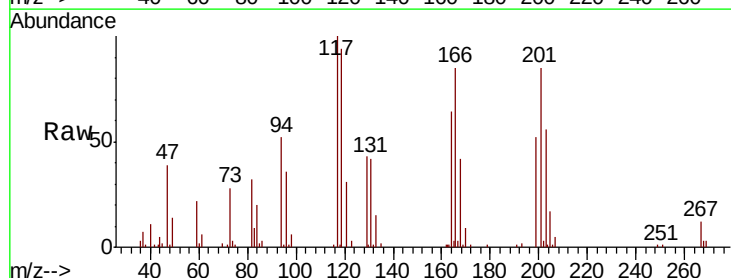
Acq: 7 May 2019 22:13

Tgt Ion: 117 Resp: 41931

Ion Ratio Lower Upper

117 100

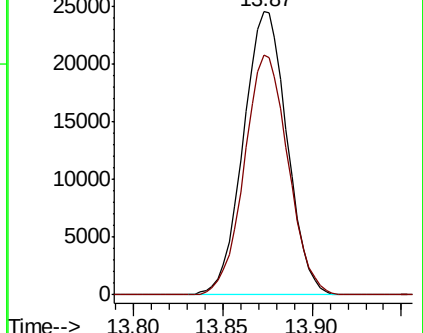
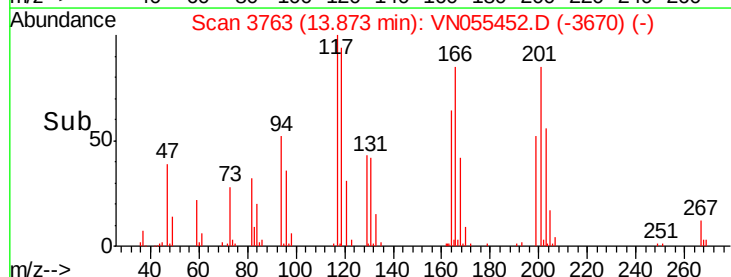
201 85.2 41.9 125.8

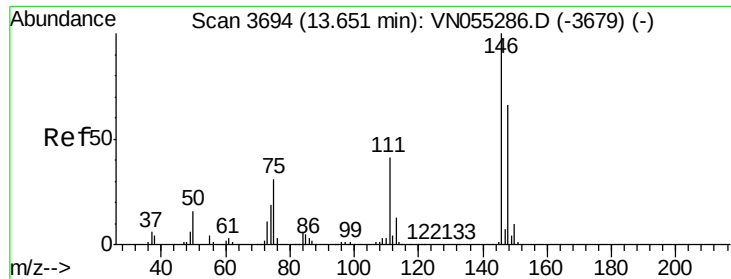


Abundance Ion 116.80 (116.50 to 117.50): VN055286.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN055286.D (-3749) (-)

Time-->

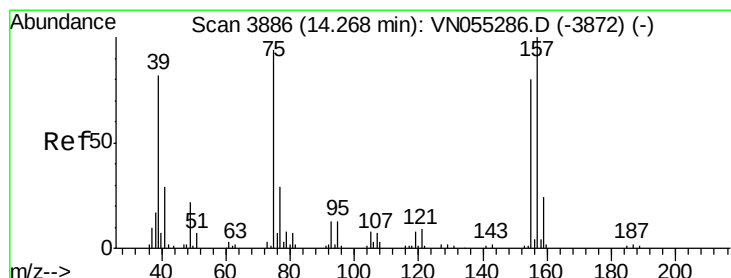
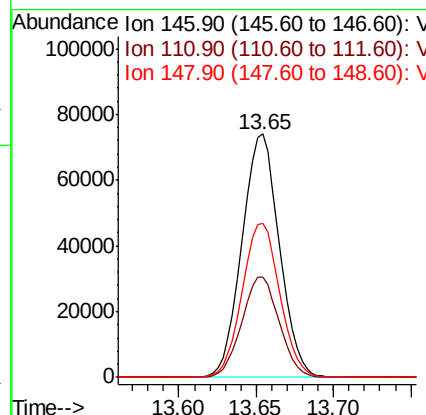
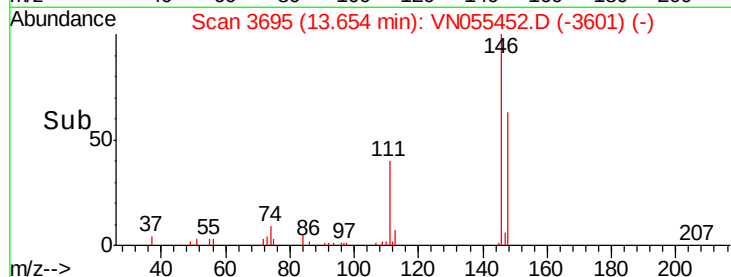
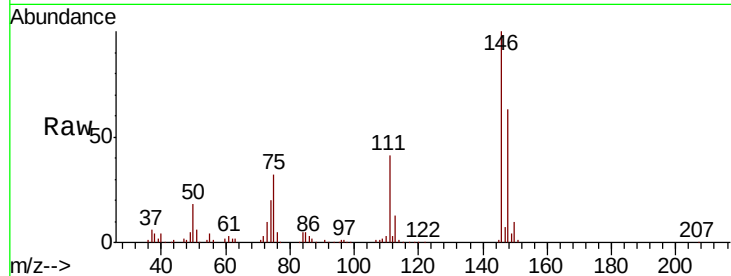




#91
 1,2-Dichlorobenzene
 Concen: 20.907 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055452.D
 Acq: 7 May 2019 22:13

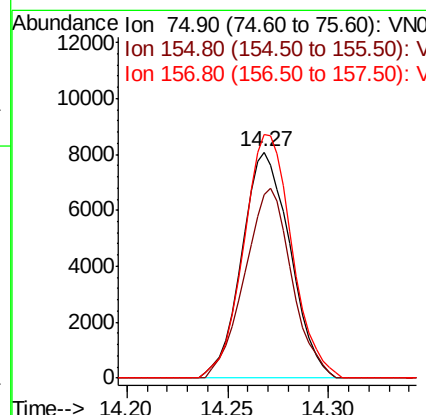
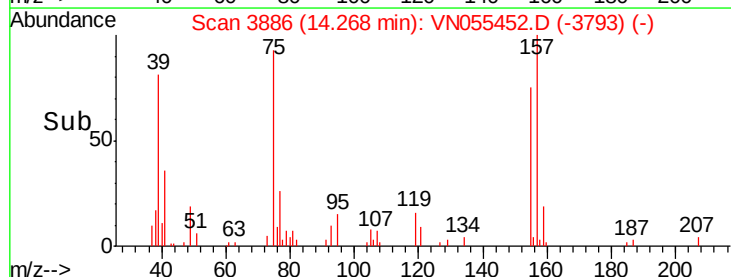
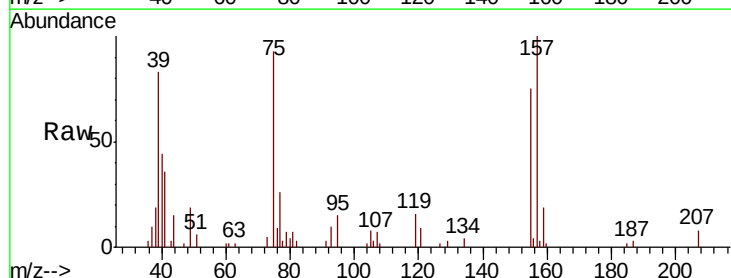
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBS02

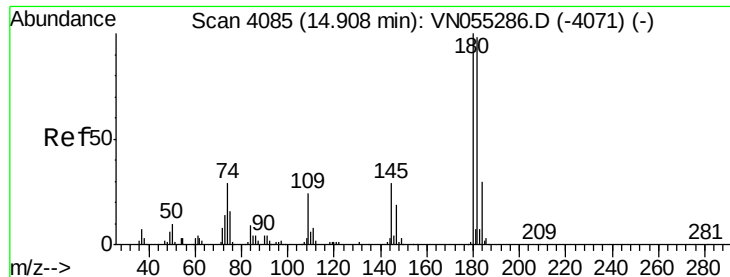
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.3	61.0
148	63.8	32.4	97.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 28.668 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055452.D
 Acq: 7 May 2019 22:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.8	41.5	124.6
157	107.8	54.0	162.2

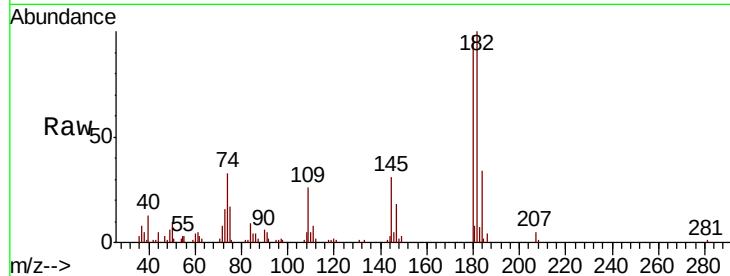




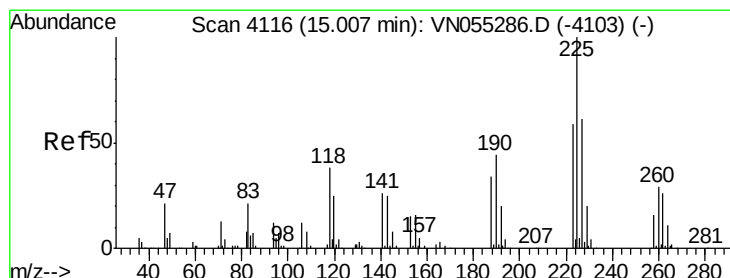
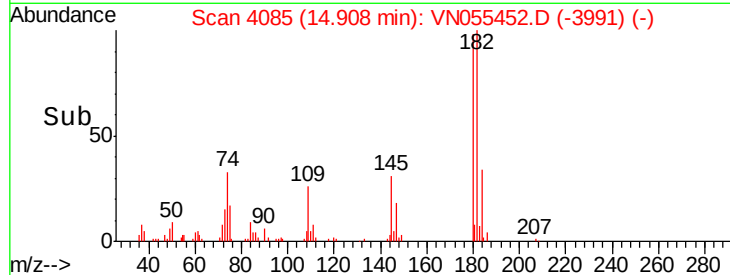
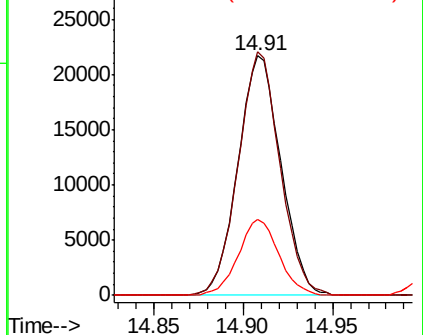
#93
 1,2,4-Trichlorobenzene
 Concen: 17.828 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055452.D
 Acq: 7 May 2019 22:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.9	48.3	144.9
145	29.9	14.2	42.6

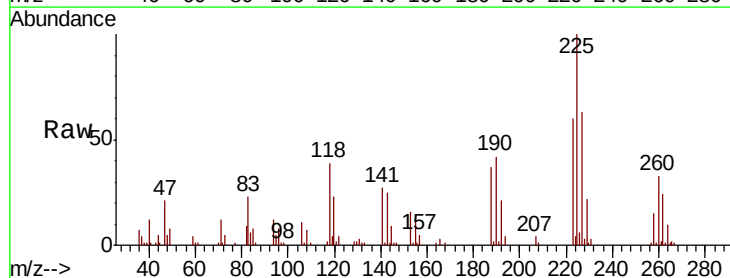


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

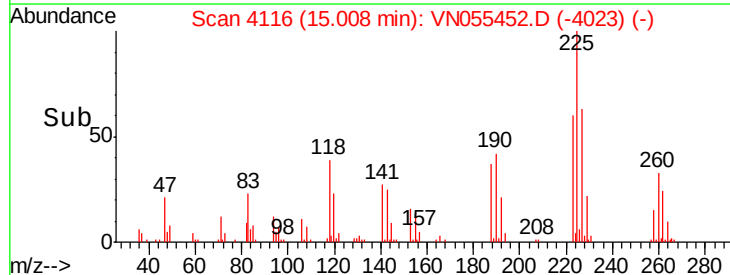
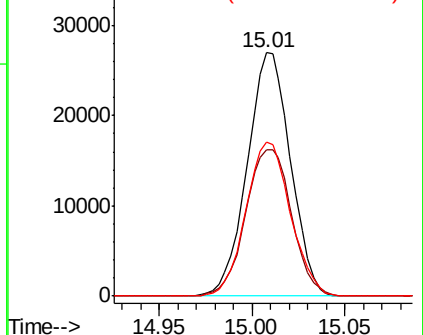


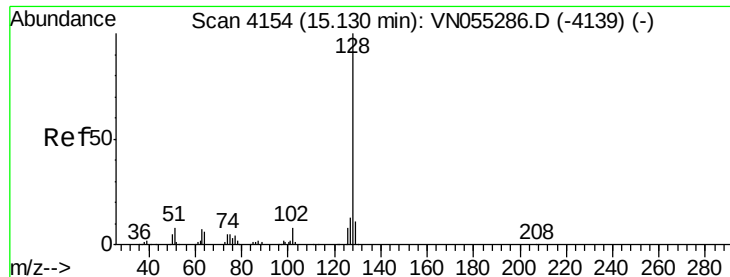
#94
 Hexachlorobutadiene
 Concen: 23.063 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055452.D
 Acq: 7 May 2019 22:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	30.3	90.8
227	64.9	30.9	92.7



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





#95

Naphthalene

Concen: 18.693 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055452.D

Acq: 7 May 2019 22:13

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBS02

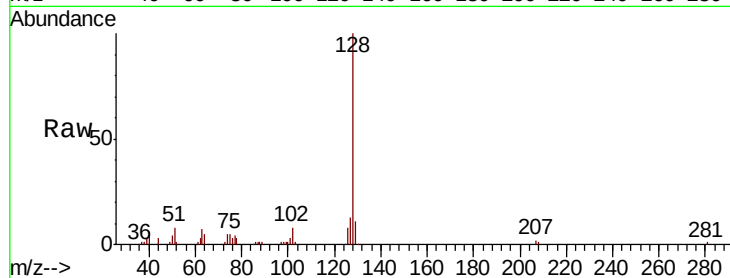
Tot Ion:128 Resp: 82086

Ion Ratio Lower Upper

128 100

127 12.6 10.7 16.1

129 11.1 8.6 13.0

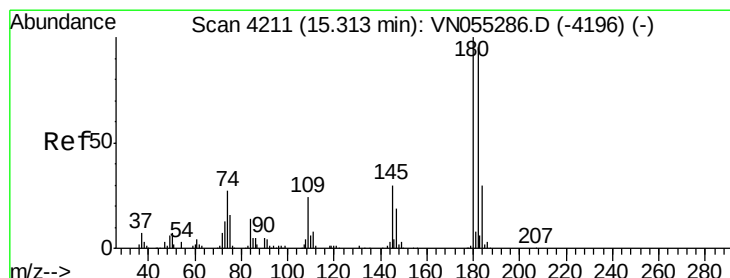
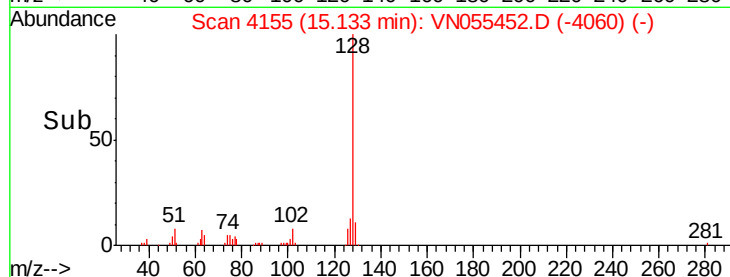
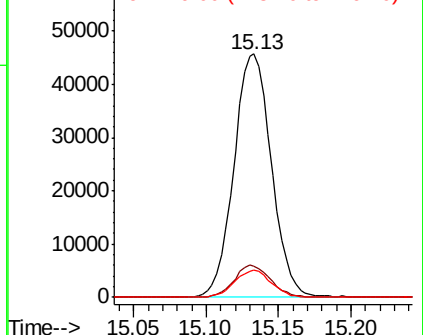


Abundance

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: 19.553 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055452.D

Acq: 7 May 2019 22:13

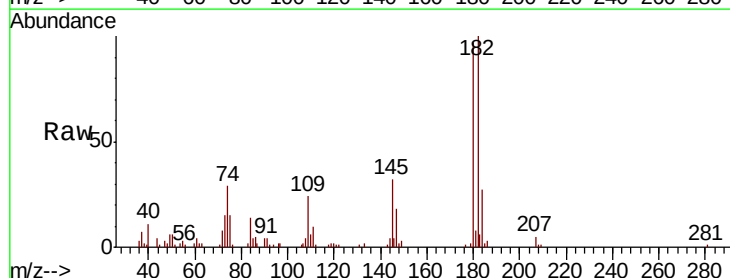
Tgt Ion:180 Resp: 41291

Ion Ratio Lower Upper

180 100

182 101.1 48.3 144.9

145 33.3 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

