

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060519\
 Data File : VN056001.D
 Acq On : 5 Jun 2019 11:36
 Operator : JC/SP
 Sample : VN0605WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 06 01:19:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	353861	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	514586	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	459778	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	190696	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	177885	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
35) Dibromofluoromethane	7.59	113	161278	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
50) Toluene-d8	10.09	98	621906	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
62) 4-Bromofluorobenzene	12.40	95	205411	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	76243	19.828	ug/l	97
3) Chloromethane	2.06	50	80524	20.992	ug/l	97
4) Vinyl Chloride	2.18	62	80495	20.920	ug/l	100
5) Bromomethane	2.53	94	53304	21.931	ug/l	99
6) Chloroethane	2.68	64	46303	20.755	ug/l	96
7) Trichlorofluoromethane	3.00	101	96759	19.698	ug/l	98
8) Diethyl Ether	3.40	74	40266	19.934	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	60300	20.209	ug/l	99
10) Methyl Iodide	3.94	142	89406	18.855	ug/l	99
11) Tert butyl alcohol	4.82	59	58984	96.469	ug/l	99
12) 1,1-Dichloroethene	3.72	96	59012	19.865	ug/l	95
13) Acrolein	3.60	56	15844	89.848	ug/l	99
14) Allyl chloride	4.31	41	89828	19.150	ug/l	99
15) Acrylonitrile	4.99	53	156638	105.239	ug/l	99
16) Acetone	3.82	43	147929	88.031	ug/l	98
17) Carbon Disulfide	4.04	76	132272	18.597	ug/l	100
18) Methyl Acetate	4.33	43	68081	20.282	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	190252	20.092	ug/l	99
20) Methylene Chloride	4.54	84	68084	19.666	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	62999	19.793	ug/l	95
22) Diisopropyl ether	5.95	45	189846	19.579	ug/l	98
23) Vinyl Acetate	5.90	43	771988	101.099	ug/l	99
24) 1,1-Dichloroethane	5.84	63	110354	19.730	ug/l	99
25) 2-Butanone	6.84	43	211351	99.546	ug/l	96
26) 2,2-Dichloropropane	6.82	77	80613	18.470	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	73338	19.602	ug/l	98
28) Bromochloromethane	7.19	49	53471	20.215	ug/l	96
29) Tetrahydrofuran	7.22	42	133857	101.994	ug/l	96
30) Chloroform	7.37	83	110227	19.590	ug/l	99
31) Cyclohexane	7.65	56	105738	18.966	ug/l	91
32) 1,1,1-Trichloroethane	7.57	97	91851	19.548	ug/l	100
36) 1,1-Dichloropropene	7.79	75	82812	18.716	ug/l	100
37) Ethyl Acetate	6.93	43	82658	20.996	ug/l	99
38) Carbon Tetrachloride	7.77	117	77974	19.114	ug/l	99

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Quant Time: Jun 06 01:19:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	104926	19.036	ug/l	96
40) Benzene	8.04	78	265209	19.734	ug/l	99
41) Methacrylonitrile	7.18	41	41903	23.133	ug/l	96
42) 1,2-Dichloroethane	8.12	62	83938	19.417	ug/l	99
43) Isopropyl Acetate	8.17	43	125267	19.635	ug/l	97
44) Trichloroethene	8.83	130	74635	19.327	ug/l	99
45) 1,2-Dichloropropane	9.12	63	66560	19.336	ug/l	100
46) Dibromomethane	9.21	93	44125	19.603	ug/l	97
47) Bromodichloromethane	9.40	83	78974	19.358	ug/l	99
48) Methyl methacrylate	9.20	41	60484	19.379	ug/l	95
49) 1,4-Dioxane	9.20	88	27719	411.376	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	405108	101.543	ug/l	99
52) Toluene	10.15	92	168366	20.133	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	81255	18.571	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	97417	19.865	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	65107	19.655	ug/l	98
56) Ethyl methacrylate	10.43	69	98346	20.351	ug/l	99
57) 1,3-Dichloropropane	10.71	76	107844	20.027	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	164316	95.530	ug/l	99
59) 2-Hexanone	10.75	43	284384	98.351	ug/l	99
60) Dibromochloromethane	10.90	129	63060	18.866	ug/l	98
61) 1,2-Dibromoethane	11.00	107	68514	20.232	ug/l	98
64) Tetrachloroethene	10.63	164	76636	19.256	ug/l	99
65) Chlorobenzene	11.43	112	177632	19.412	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	62500	19.781	ug/l	99
67) Ethyl Benzene	11.51	91	310692	19.527	ug/l	99
68) m/p-Xylenes	11.62	106	239736	39.441	ug/l	98
69) o-Xylene	11.95	106	119519	19.990	ug/l	98
70) Styrene	11.96	104	189484	19.946	ug/l	100
71) Bromoform	12.13	173	42964	18.051	ug/l #	97
73) Isopropylbenzene	12.25	105	311895	21.570	ug/l	100
74) N-amyl acetate	12.07	43	107334	21.115	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	90608	20.468	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	105439	30.049	ug/l #	100
77) Bromobenzene	12.53	156	81910	20.062	ug/l	97
78) n-propylbenzene	12.59	91	321111	19.904	ug/l	100
79) 2-Chlorotoluene	12.67	91	198005	20.770	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	253856	19.799	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20505	19.461	ug/l	90
82) 4-Chlorotoluene	12.77	91	186065	19.714	ug/l	100
83) tert-Butylbenzene	12.99	119	227162	21.267	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	244673	20.123	ug/l	99
85) sec-Butylbenzene	13.17	105	283499	19.843	ug/l	100
86) p-Isopropyltoluene	13.29	119	251268	19.651	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	123754	19.585	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	116609	19.184	ug/l	99
89) n-Butylbenzene	13.61	91	178497	18.845	ug/l	100
90) Hexachloroethane	13.87	117	36816	19.092	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	124408	19.501	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13119	20.719	ug/l	97

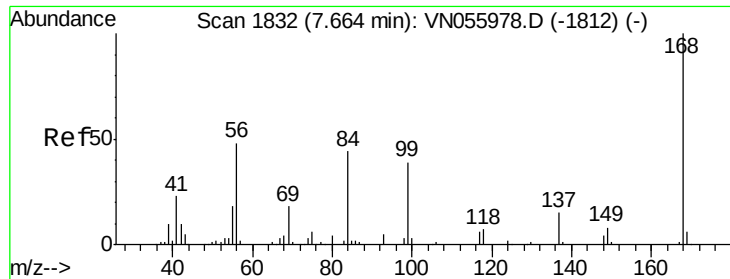
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Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	49654	17.188	ug/l	99
94) Hexachlorobutadiene	15.01	225	45130	19.347	ug/l	97
95) Naphthalene	15.13	128	138116	17.827	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	57174	18.022	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

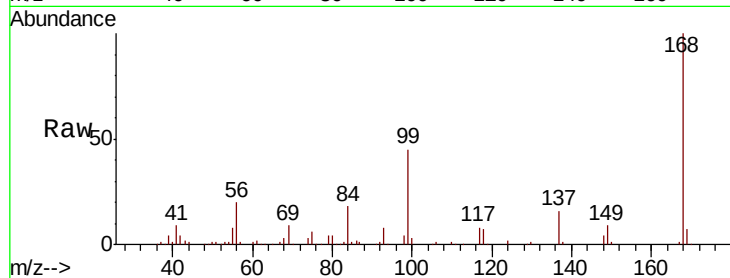
ClientSampleId :

Tot Ion:168 Resp: 353861

Ion Ratio Lower Upper

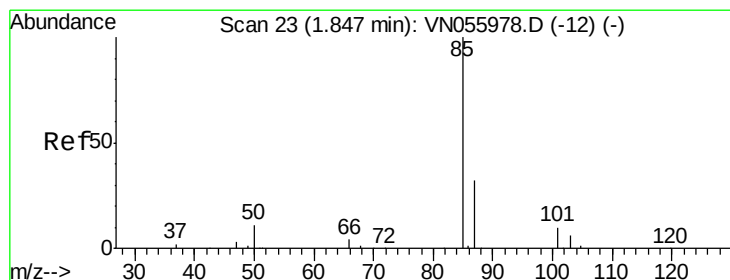
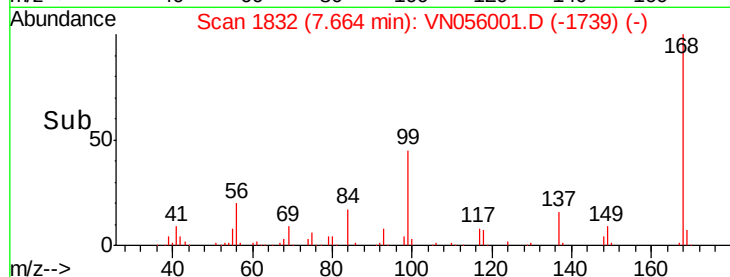
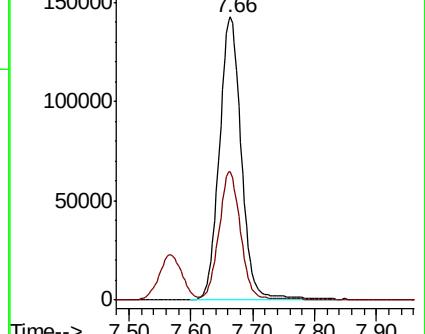
168 100

99 45.2 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 19.828 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056001.D

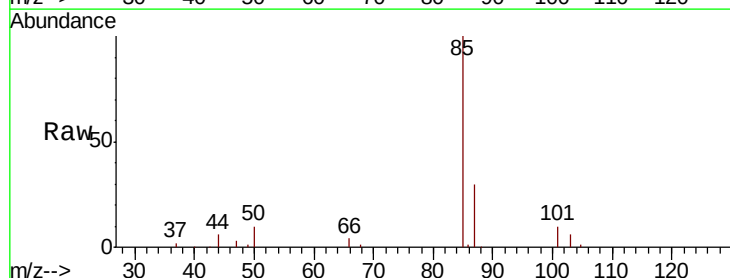
Acq: 5 Jun 2019 11:36

Tgt Ion: 85 Resp: 76243

Ion Ratio Lower Upper

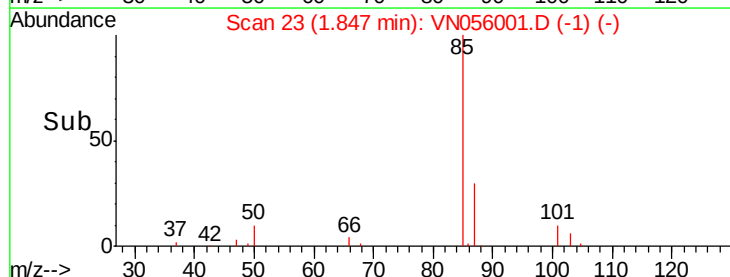
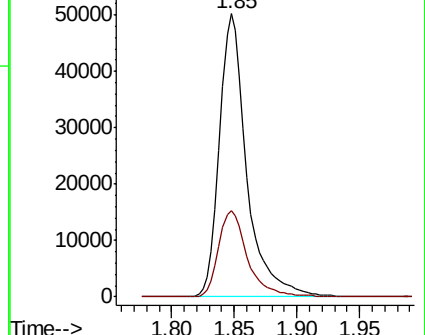
85 100

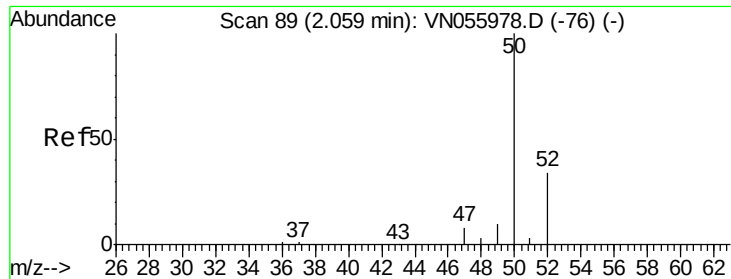
87 30.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 20.992 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

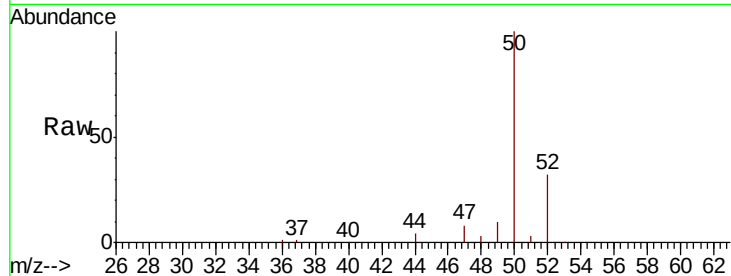
ClientSampleId :

Tot Ion: 50 Resp: 80524

Ion Ratio Lower Upper

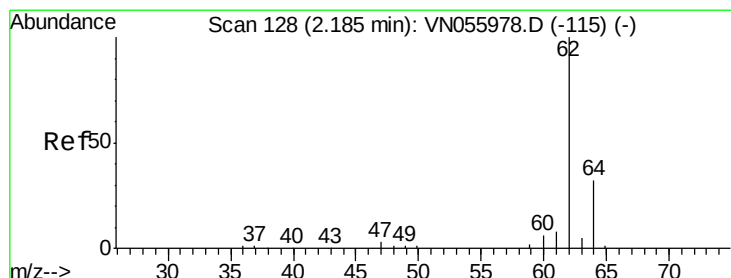
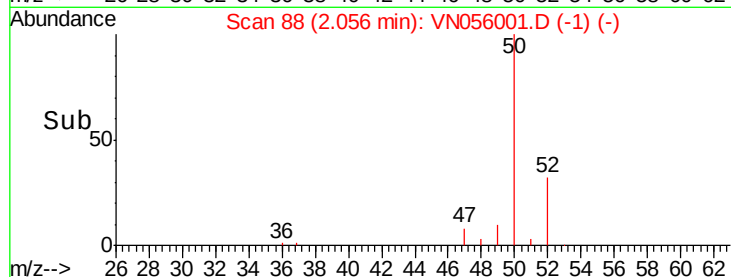
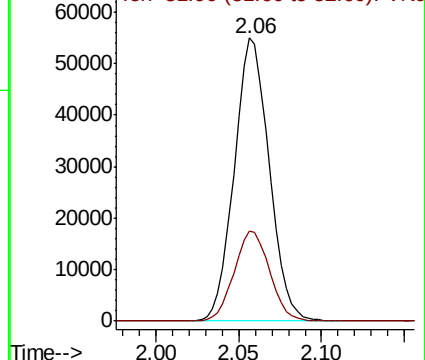
50 100

52 31.8 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 20.920 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056001.D

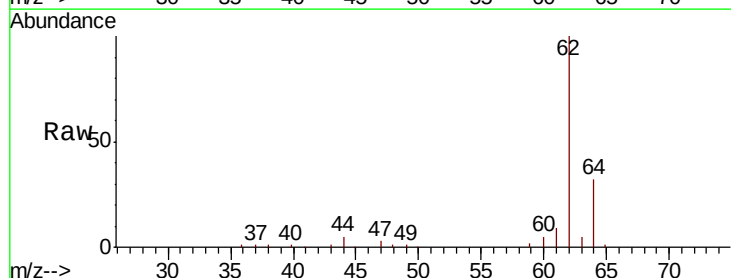
Acq: 5 Jun 2019 11:36

Tgt Ion: 62 Resp: 80495

Ion Ratio Lower Upper

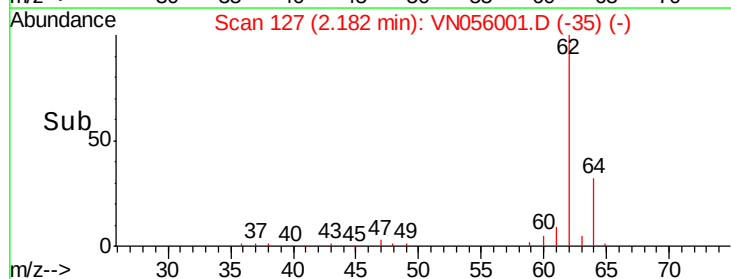
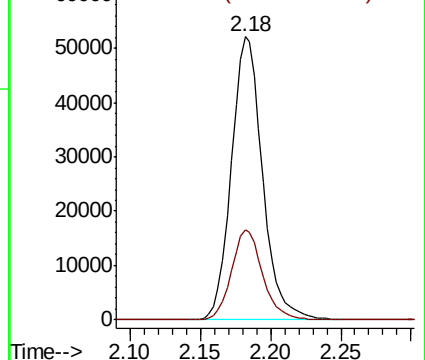
62 100

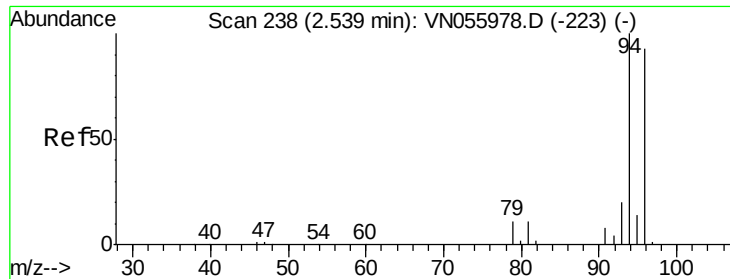
64 31.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 21.931 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.01 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

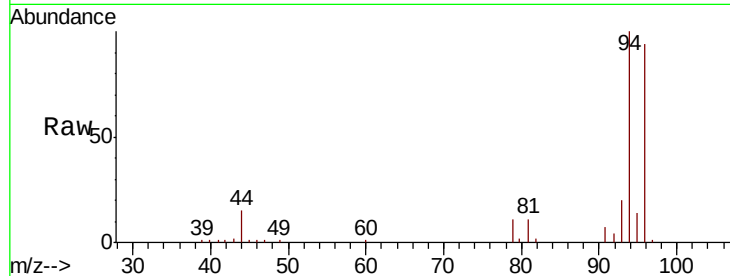
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 53304

Ion Ratio Lower Upper

94 100

96 93.8 75.5 113.3

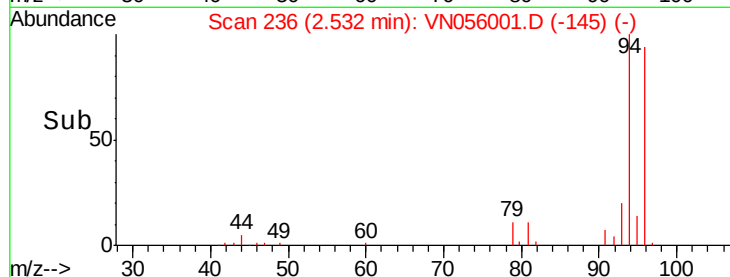


Abundance Ion 93.90 (93.60 to 94.60): VN055978.D (-223) (-)

Ion 95.90 (95.60 to 96.60): VN055978.D (-223) (-)

2.53

Time-->



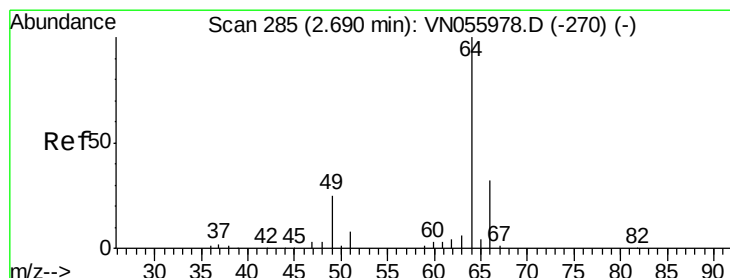
Abundance

Ion 93.90 (93.60 to 94.60): VN055978.D (-223) (-)

Ion 95.90 (95.60 to 96.60): VN055978.D (-223) (-)

2.53

Time-->



#6

Chloroethane

Concen: 20.755 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.01 min

Lab File: VN056001.D

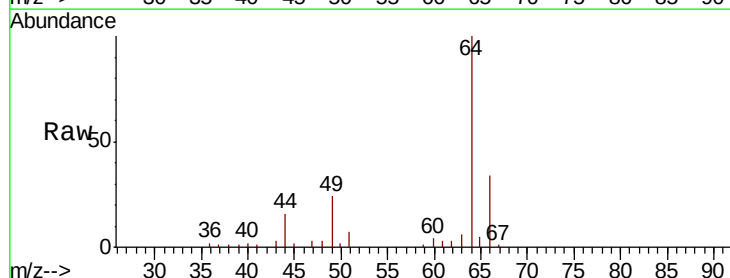
Acq: 5 Jun 2019 11:36

Tgt Ion: 64 Resp: 46303

Ion Ratio Lower Upper

64 100

66 34.1 25.4 38.0

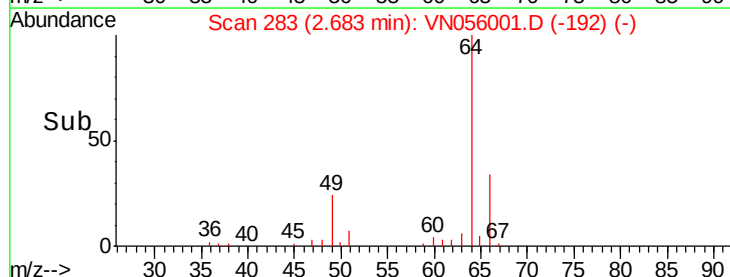


Abundance Ion 63.90 (63.60 to 64.60): VN055978.D (-270) (-)

Ion 65.90 (65.60 to 66.60): VN055978.D (-270) (-)

2.68

Time-->



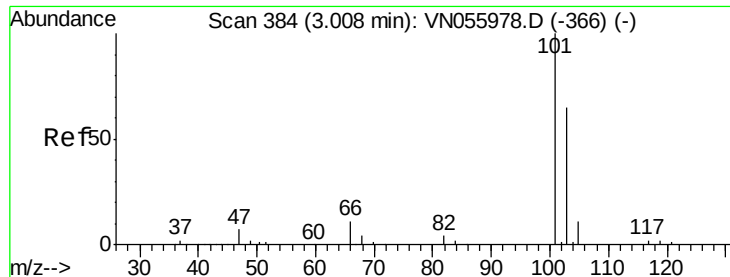
Abundance

Ion 63.90 (63.60 to 64.60): VN055978.D (-270) (-)

Ion 65.90 (65.60 to 66.60): VN055978.D (-270) (-)

2.68

Time-->

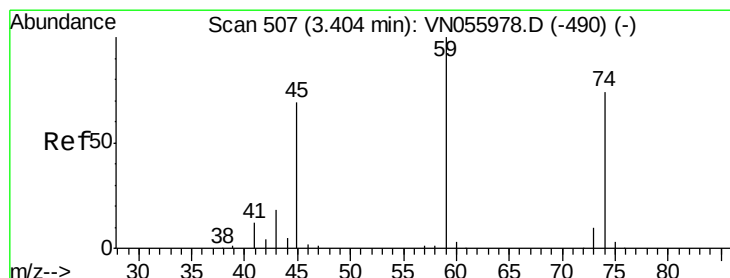
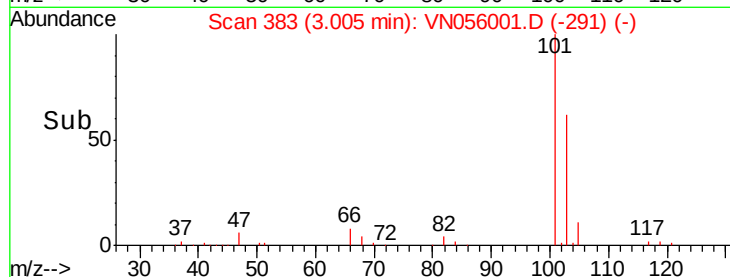
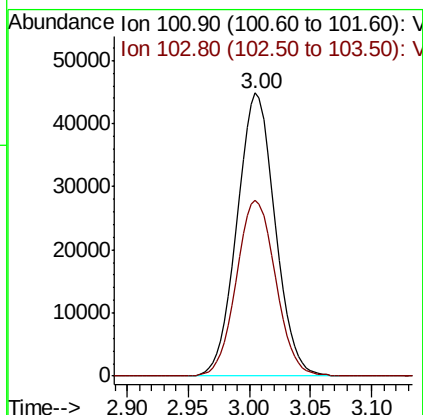
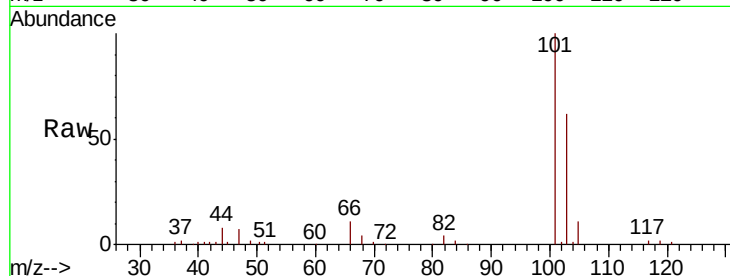


#7

Trichlorofluoromethane
 Concen: 19.698 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN056001.D
 Acq: 5 Jun 2019 11:36

Instrument :
 MSVOA_N
 ClientSampled :

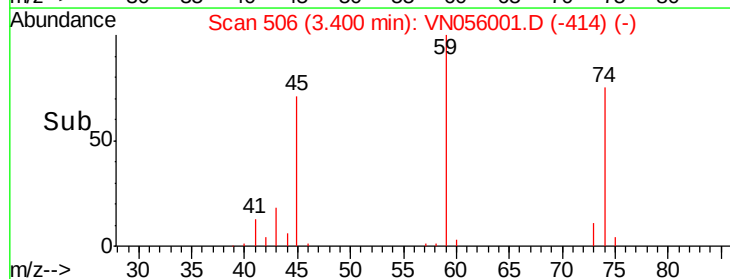
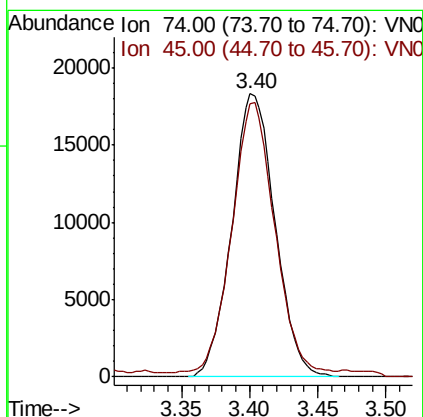
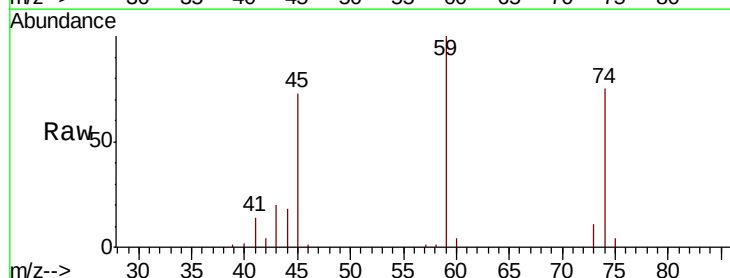
Tot Ion:101 Resp: 96759
 Ion Ratio Lower Upper
 101 100
 103 62.3 51.2 76.8

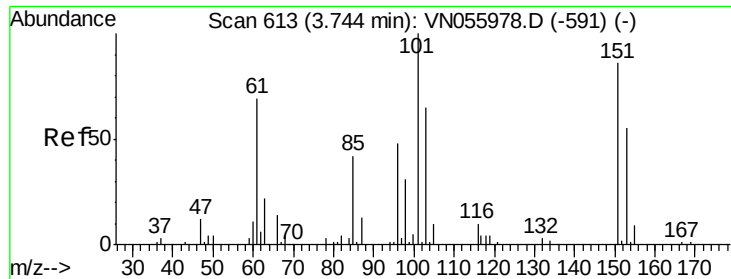


#8

Diethyl Ether
 Concen: 19.934 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. -0.00 min
 Lab File: VN056001.D
 Acq: 5 Jun 2019 11:36

Tgt Ion: 74 Resp: 40266
 Ion Ratio Lower Upper
 74 100
 45 93.6 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.209 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

ClientSampled :

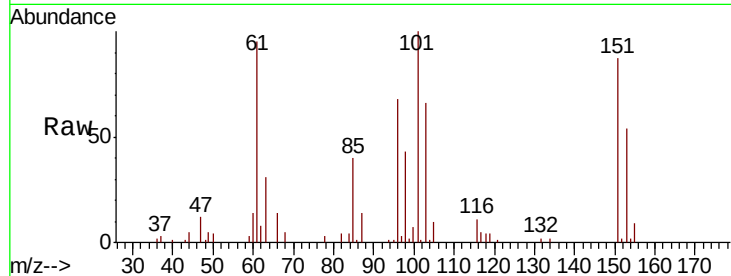
Tot Ion:101 Resp: 60300

Ion Ratio Lower Upper

101 100

85 40.2 33.4 50.2

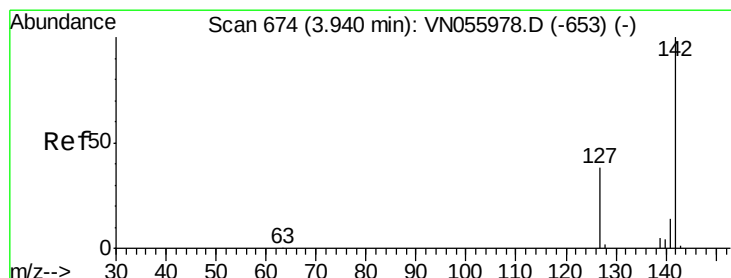
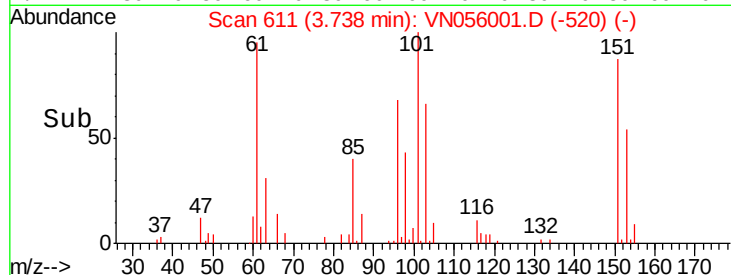
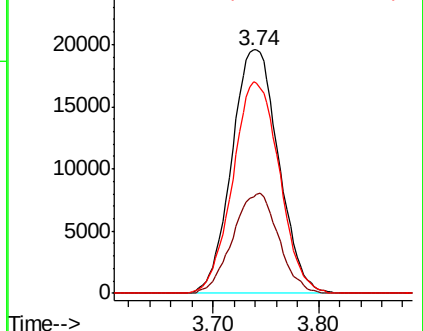
151 86.6 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.855 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

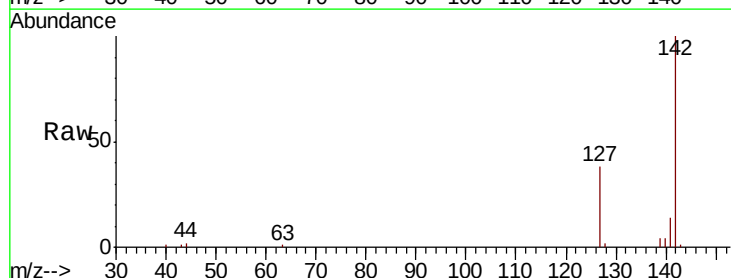
Tgt Ion:142 Resp: 89406

Ion Ratio Lower Upper

142 100

127 38.3 31.0 46.4

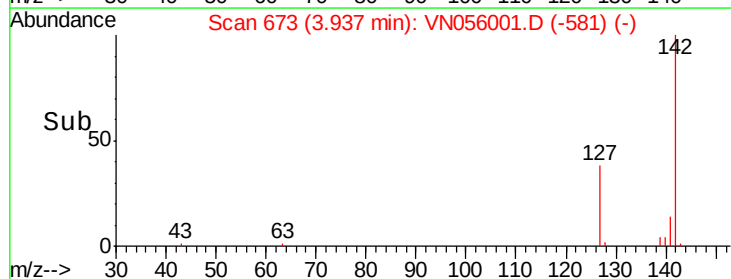
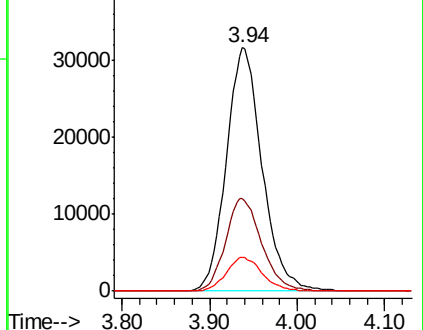
141 14.0 11.4 17.0

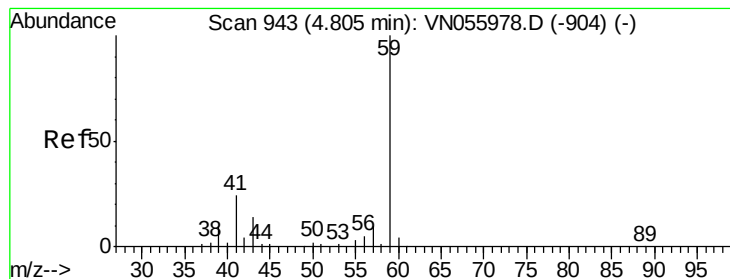


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



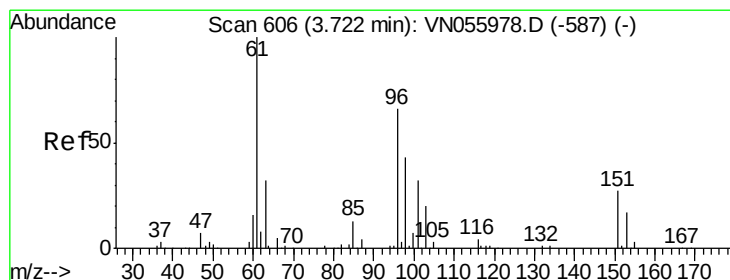
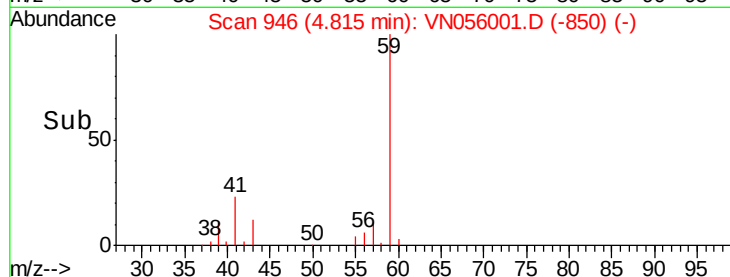
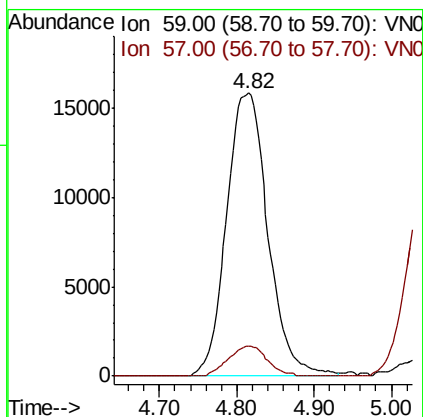
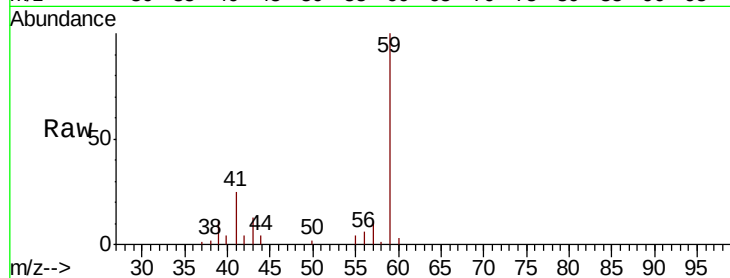


#11

Tert butyl alcohol
 Concen: 96.469 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VN056001.D
 Acq: 5 Jun 2019 11:36

Instrument :
 MSVOA_N
 ClientSampleId :

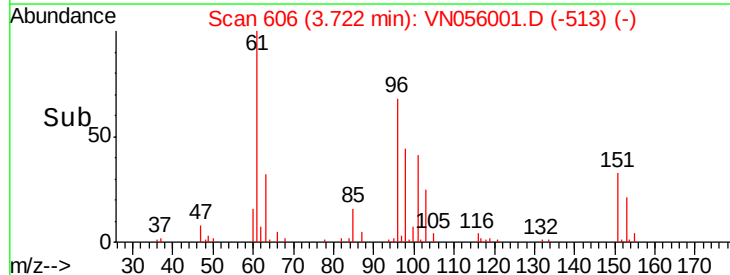
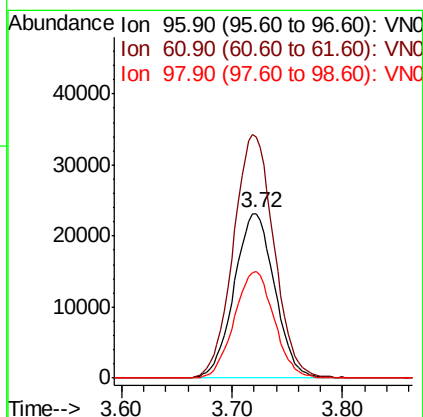
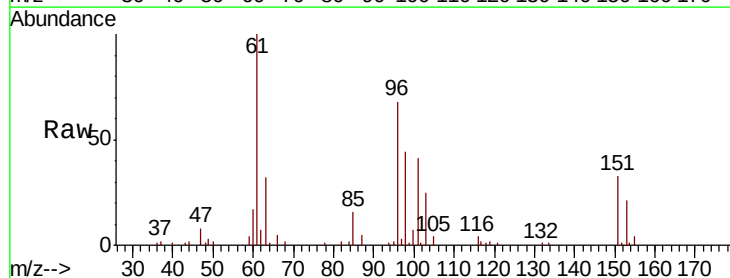
Tot Ion: 59 Resp: 58984
 Ion Ratio Lower Upper
 59 100
 57 9.9 7.8 11.6

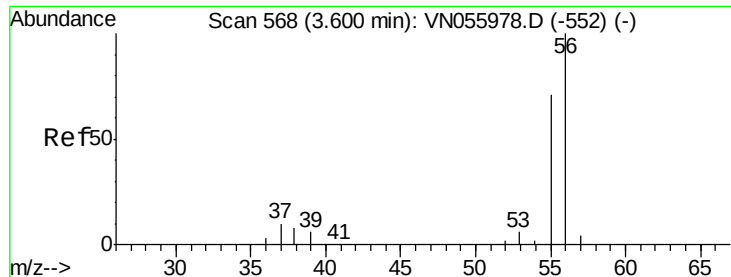


#12

1,1-Dichloroethene
 Concen: 19.865 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN056001.D
 Acq: 5 Jun 2019 11:36

Tgt Ion: 96 Resp: 59012
 Ion Ratio Lower Upper
 96 100
 61 146.2 123.2 184.8
 98 64.5 50.4 75.6





#13

Acrolein

Concen: 89.848 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

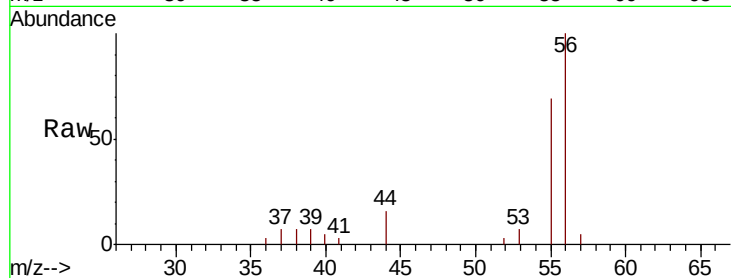
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 15844

Ion Ratio Lower Upper

56 100

55 70.4 55.4 83.2



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

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

3.60

6000

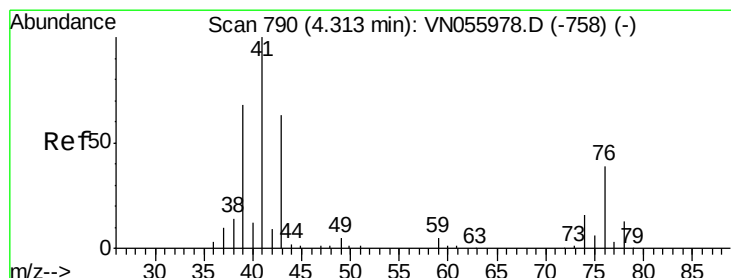
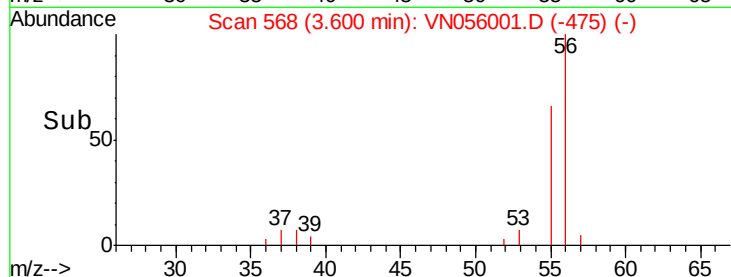
4000

2000

0

Time-->

3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 19.150 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

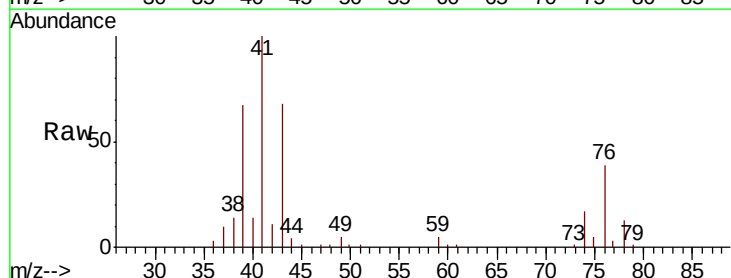
Tgt Ion: 41 Resp: 89828

Ion Ratio Lower Upper

41 100

39 61.2 50.0 75.0

76 35.0 28.2 42.2



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

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

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

4.31

30000

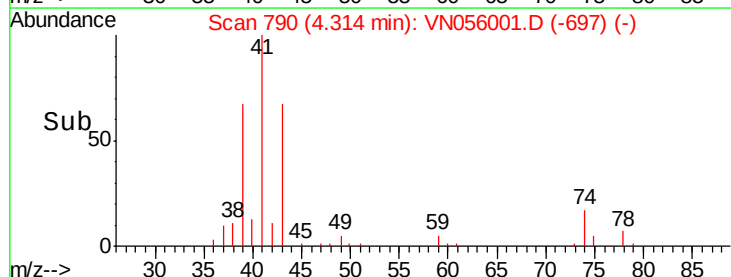
20000

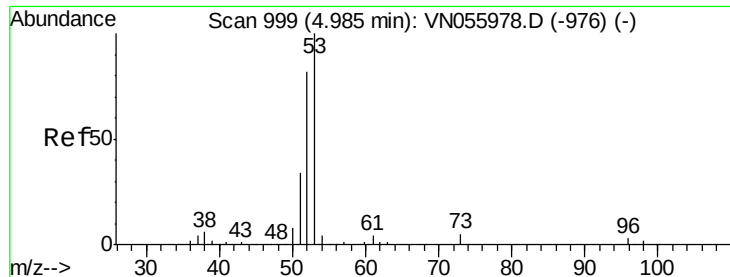
10000

0

Time-->

4.20 4.30 4.40





#15

Acrylonitrile

Concen: 105.239 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

ClientSampled :

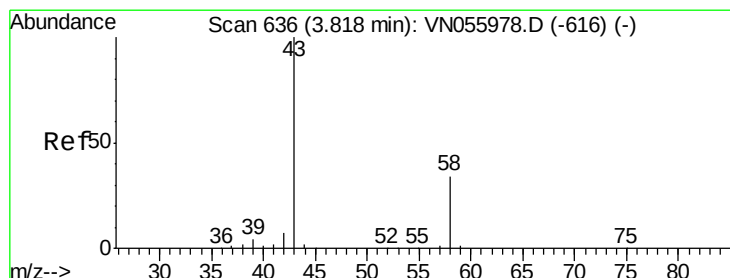
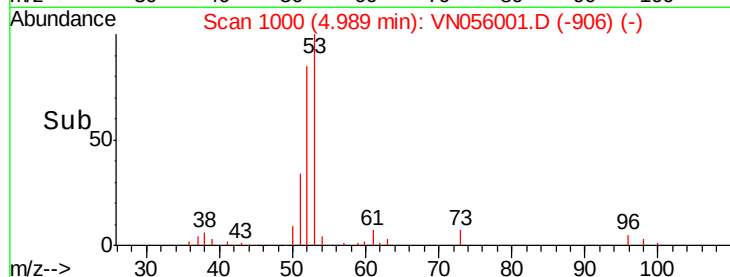
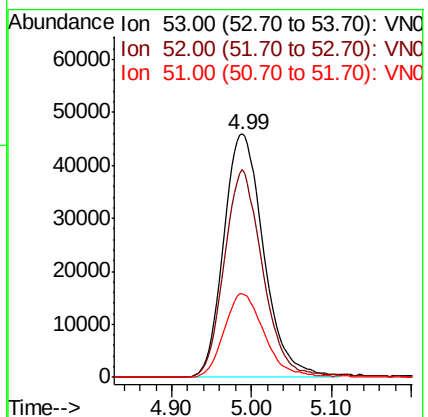
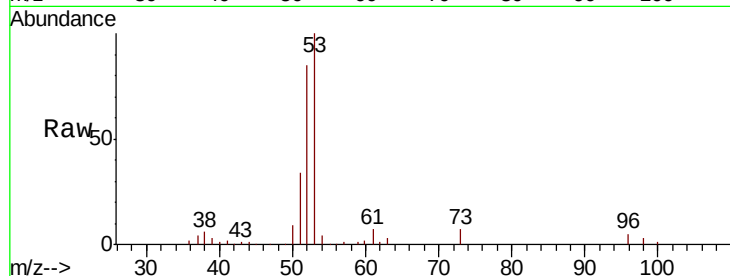
Tot Ion: 53 Resp: 156638

Ion Ratio Lower Upper

53 100

52 81.8 65.8 98.8

51 34.4 28.2 42.4



#16

Acetone

Concen: 88.031 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056001.D

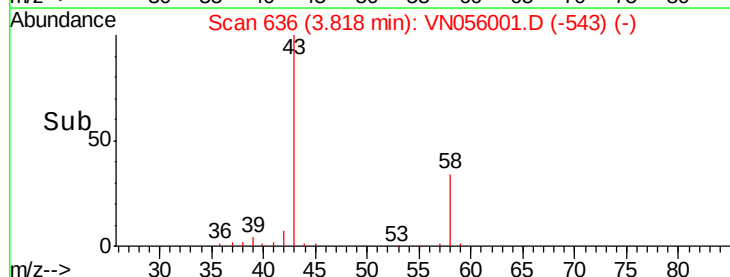
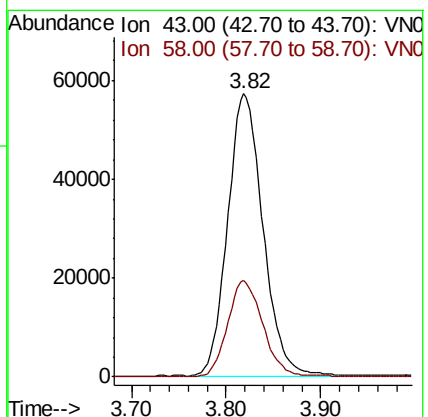
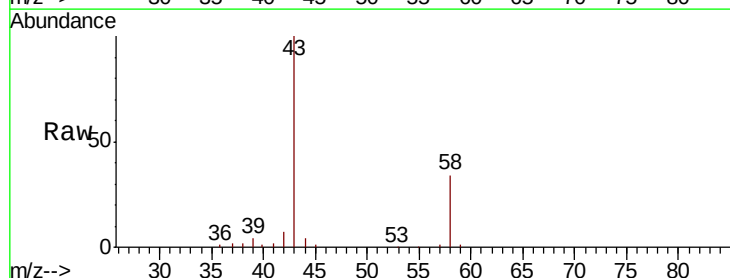
Acq: 5 Jun 2019 11:36

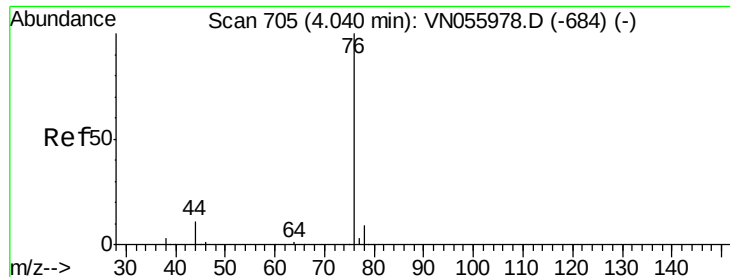
Tgt Ion: 43 Resp: 147929

Ion Ratio Lower Upper

43 100

58 34.3 26.6 39.8

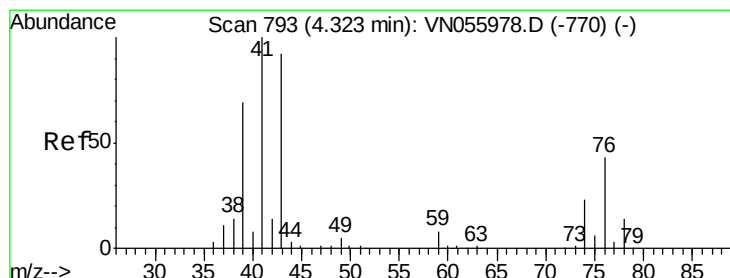
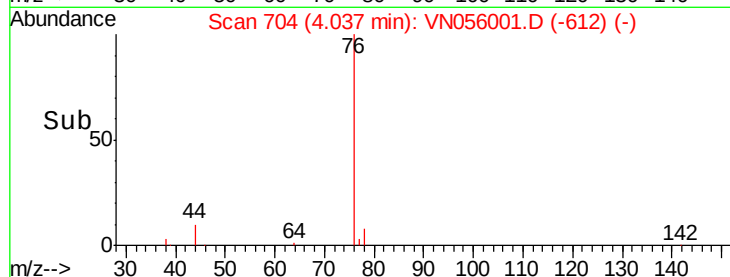
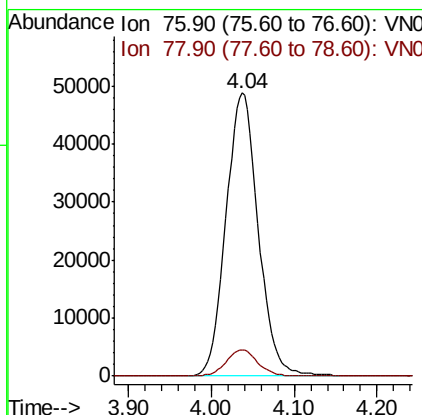
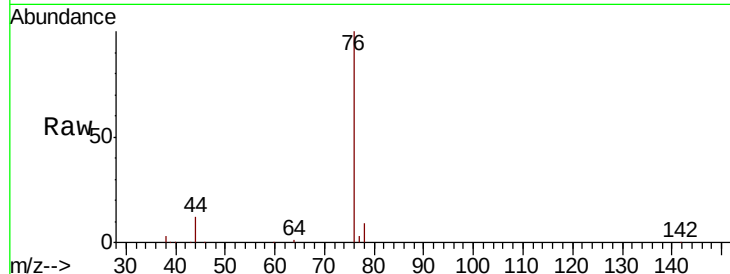




#17
Carbon Disulfide
Concen: 18.597 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

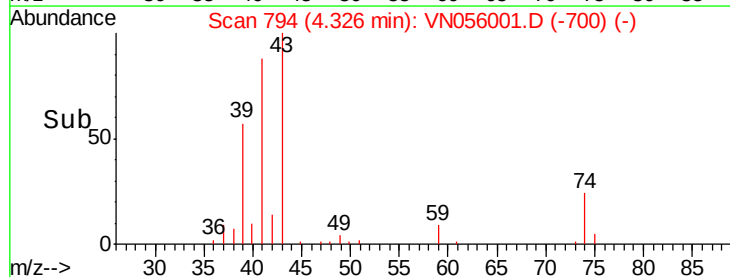
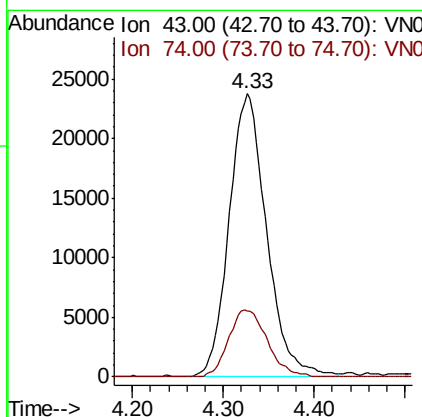
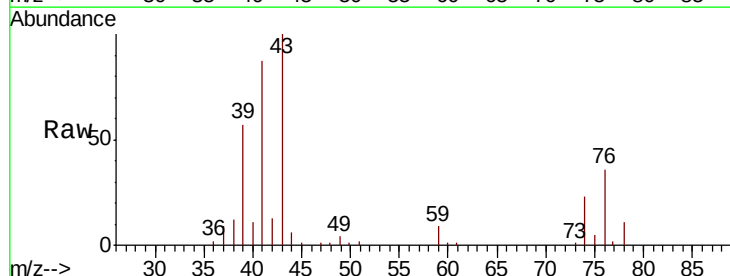
Instrument :
MSVOA_N
ClientSampled :

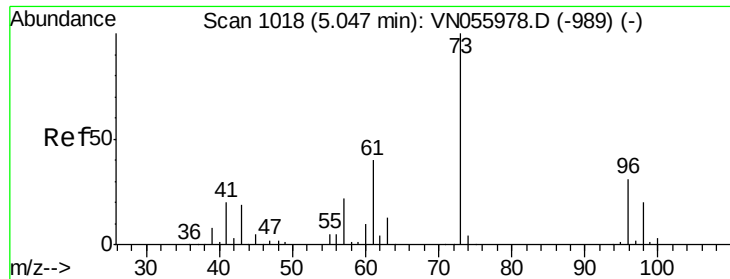
Tot Ion: 76 Resp: 132272
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2



#18
Methyl Acetate
Concen: 20.282 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Tgt Ion: 43 Resp: 68081
Ion Ratio Lower Upper
43 100
74 24.3 19.3 28.9

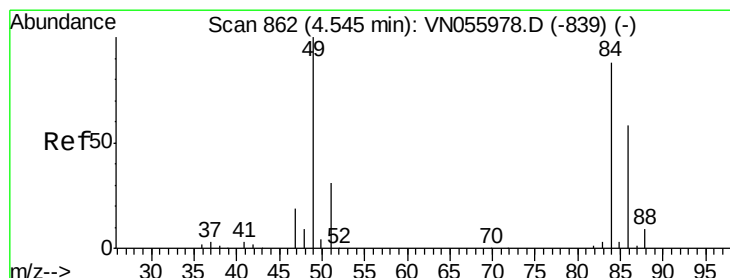
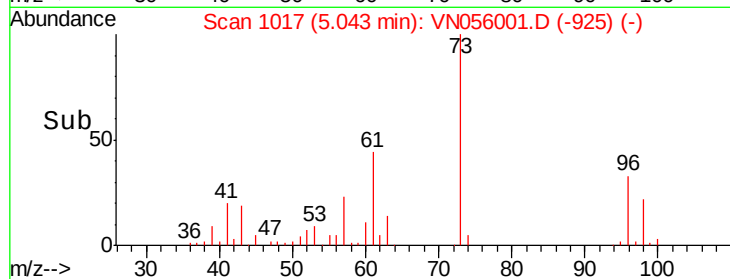
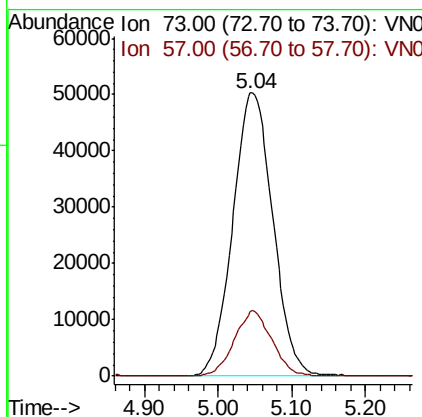
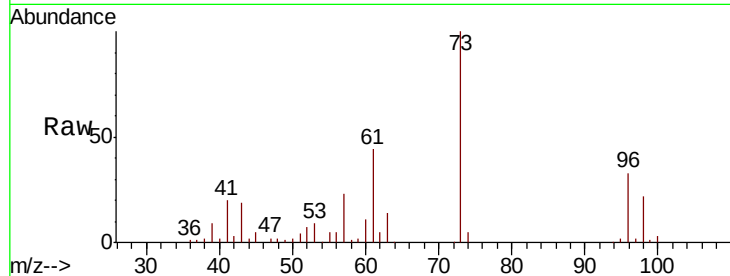




#19
Methyl tert-butyl Ether
Concen: 20.092 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

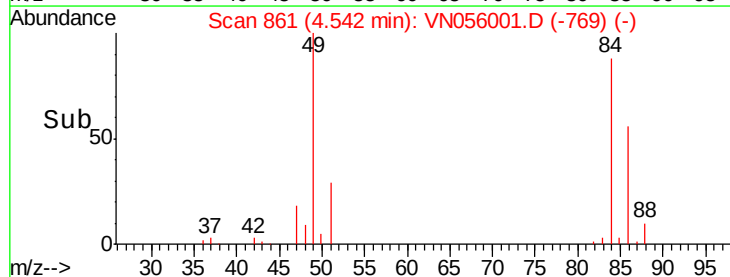
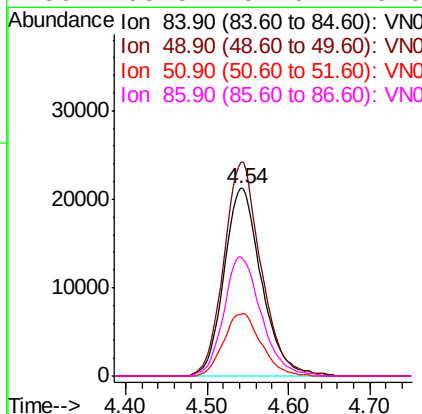
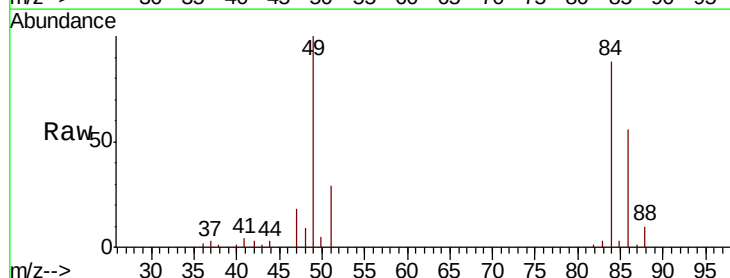
Instrument :
MSVOA_N
ClientSampled :

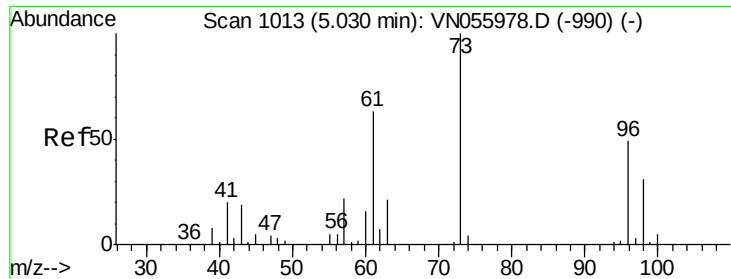
Tot Ion: 73 Resp: 190252
Ion Ratio Lower Upper
73 100
57 22.8 17.8 26.8



#20
Methylene Chloride
Concen: 19.666 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Tgt Ion: 84 Resp: 68084
Ion Ratio Lower Upper
84 100
49 113.4 93.5 140.3
51 33.0 28.6 43.0
86 63.5 52.6 79.0

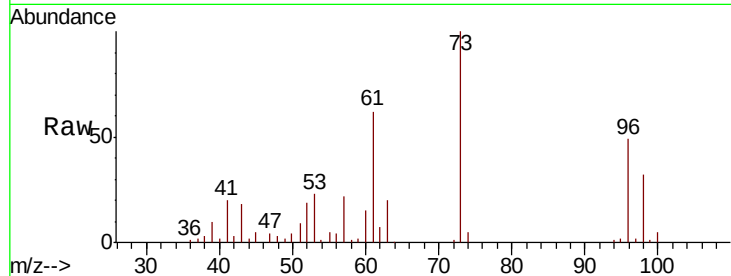




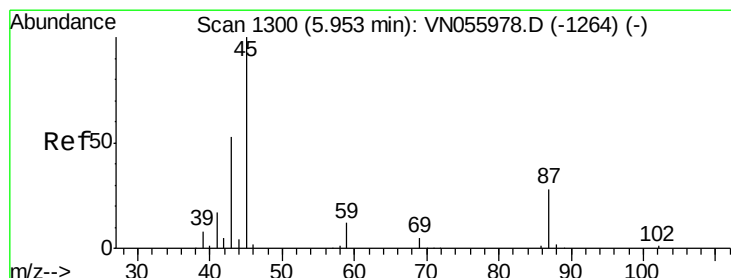
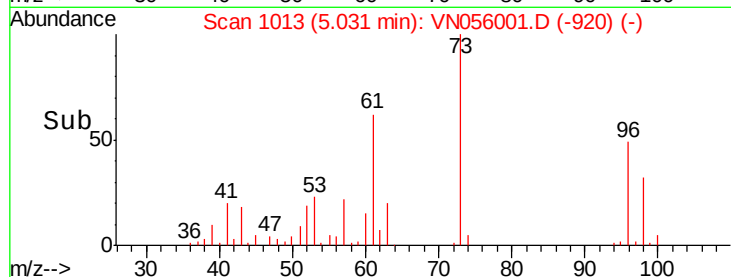
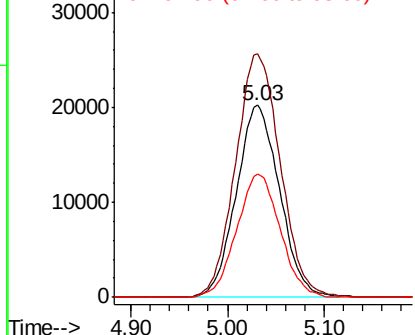
#21
trans-1,2-Dichloroethene
Concen: 19.793 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 62999
Ion Ratio Lower Upper
96 100
61 126.6 107.8 161.8
98 64.1 49.8 74.8

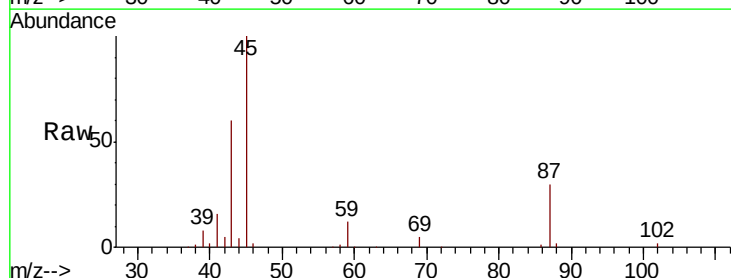


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

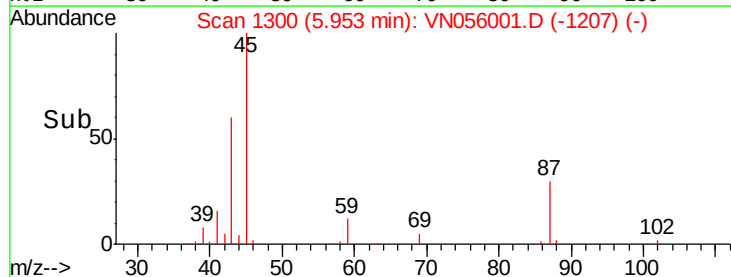
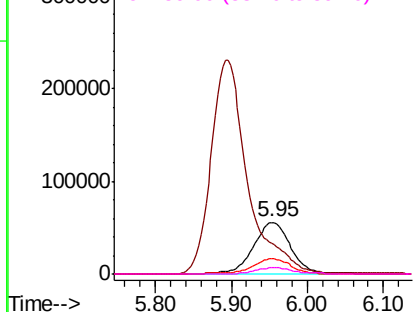


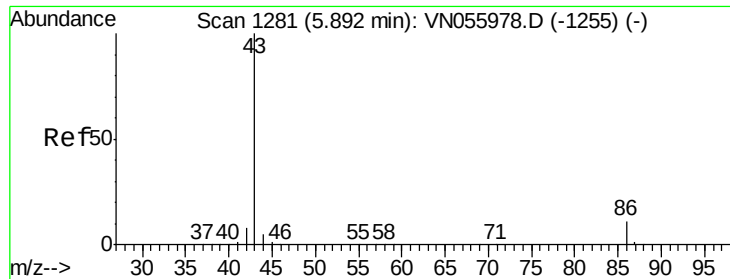
#22
Diisopropyl ether
Concen: 19.579 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Tgt Ion: 45 Resp: 189846
Ion Ratio Lower Upper
45 100
43 57.4 45.0 67.6
87 29.1 22.2 33.4
59 11.9 9.1 13.7



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

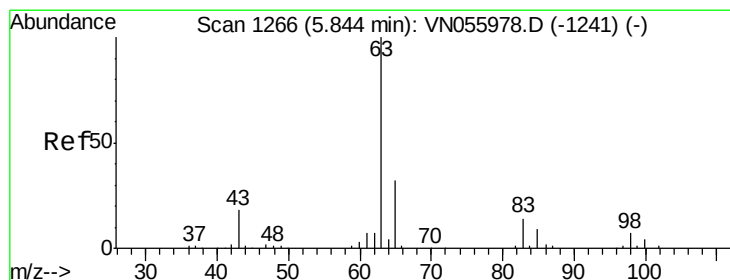
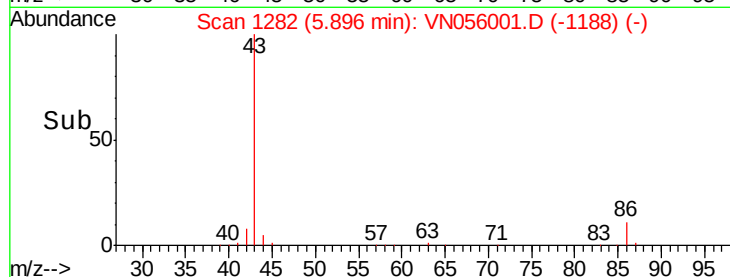
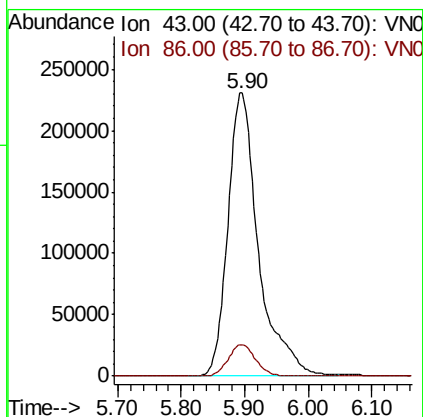
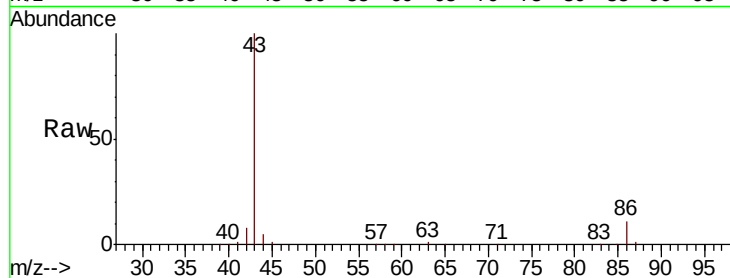




#23
 Vinyl Acetate
 Concen: 101.099 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056001.D
 Acq: 5 Jun 2019 11:36

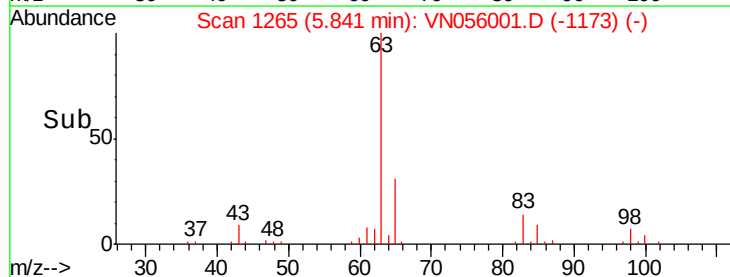
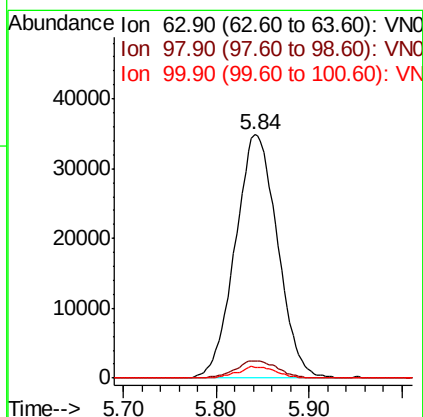
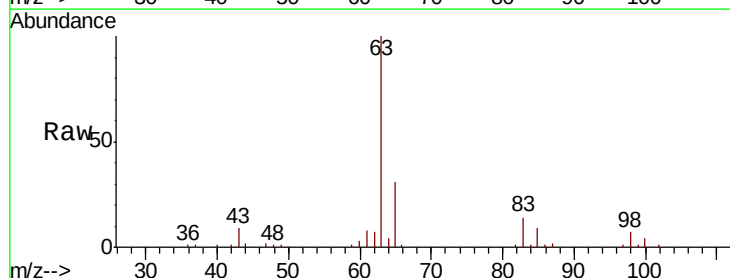
Instrument :
 MSVOA_N
 ClientSampled :

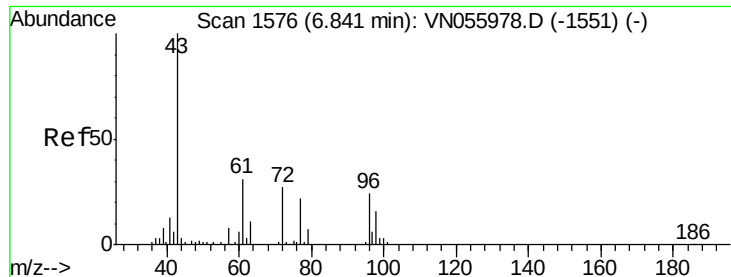
Tot Ion: 43 Resp: 771988
 Ion Ratio Lower Upper
 43 100
 86 11.2 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 19.730 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN056001.D
 Acq: 5 Jun 2019 11:36

Tgt Ion: 63 Resp: 110354
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.4 10.1
 100 4.5 2.2 6.6

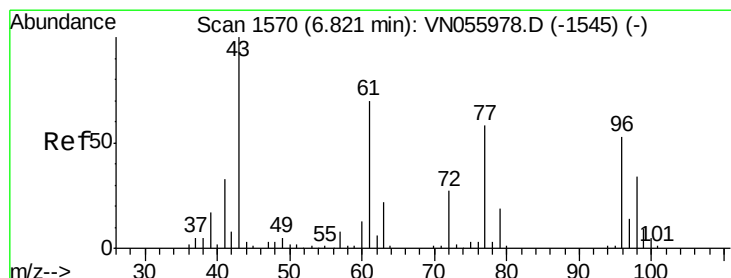
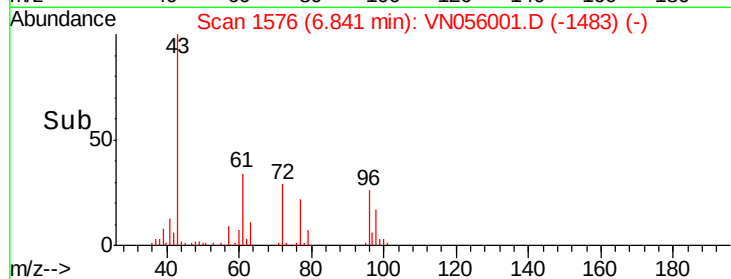
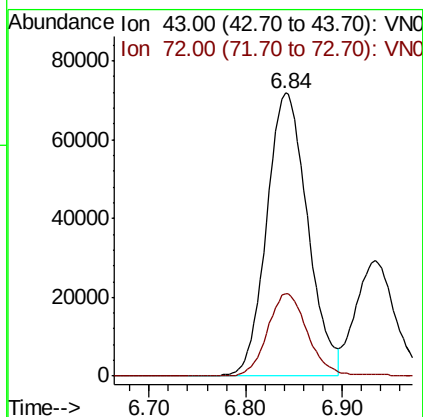
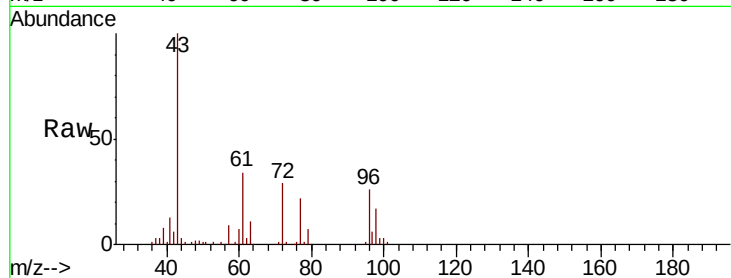




#25
2-Butanone
Concen: 99.546 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

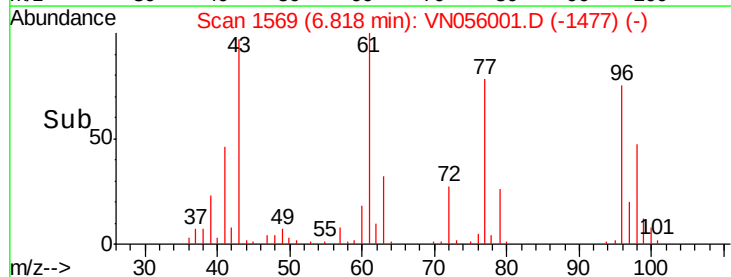
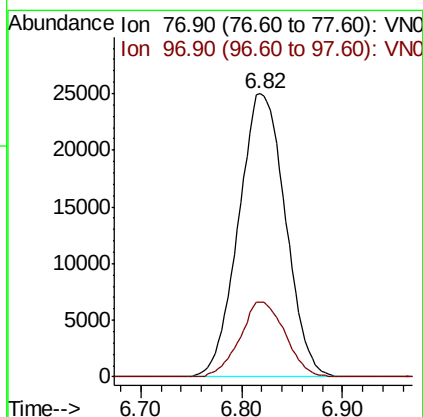
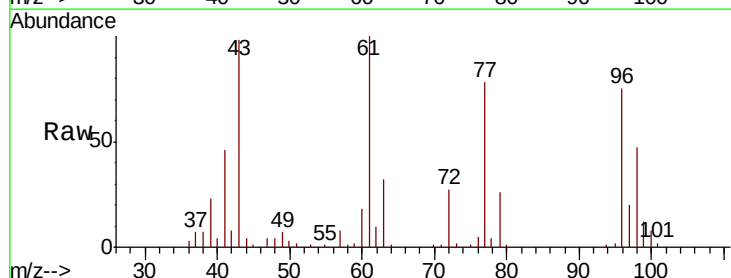
Instrument :
MSVOA_N
ClientSampleId :

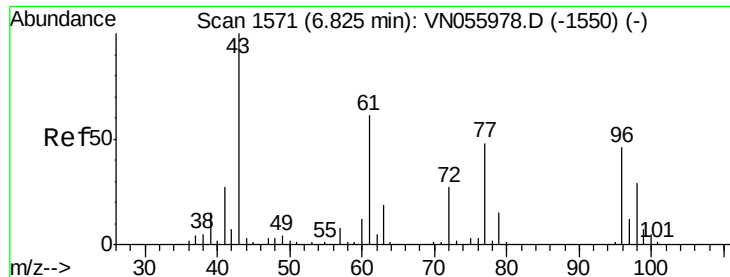
Tot Ion: 43 Resp: 211351
Ion Ratio Lower Upper
43 100
72 29.4 21.9 32.9



#26
2,2-Dichloropropane
Concen: 18.470 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Tgt Ion: 77 Resp: 80613
Ion Ratio Lower Upper
77 100
97 25.4 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.602 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

ClientSampled :

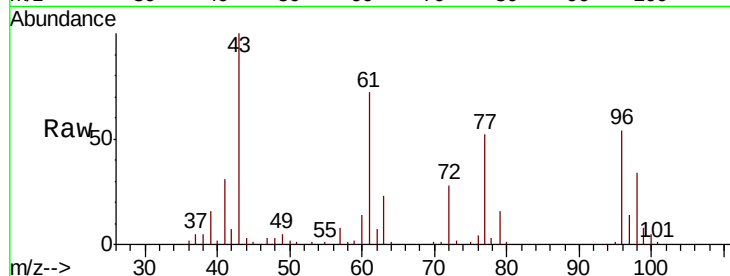
Tot Ion: 96 Resp: 73338

Ion Ratio Lower Upper

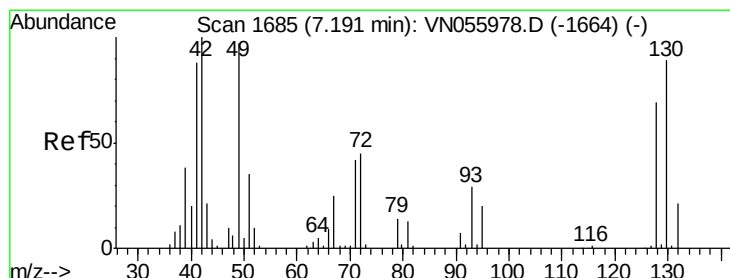
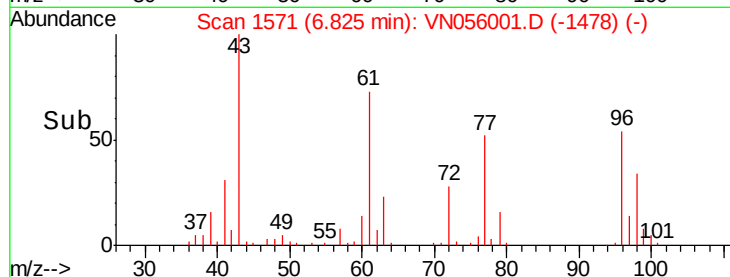
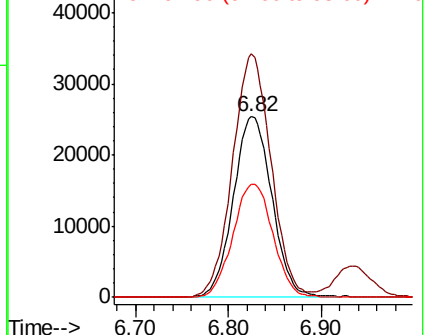
96 100

61 134.2 0.0 275.8

98 64.9 0.0 128.4



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



#28

Bromochloromethane

Concen: 20.215 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

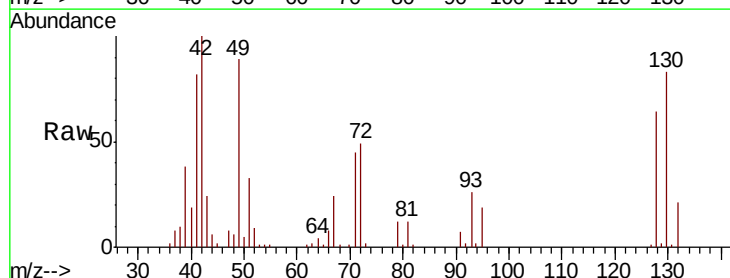
Tgt Ion: 49 Resp: 53471

Ion Ratio Lower Upper

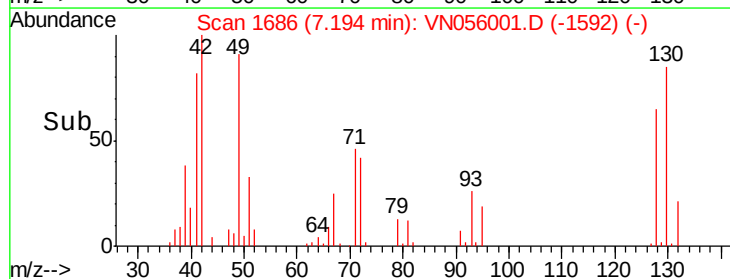
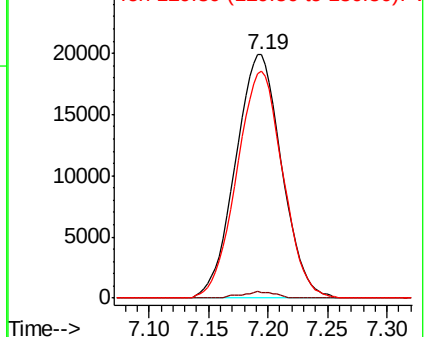
49 100

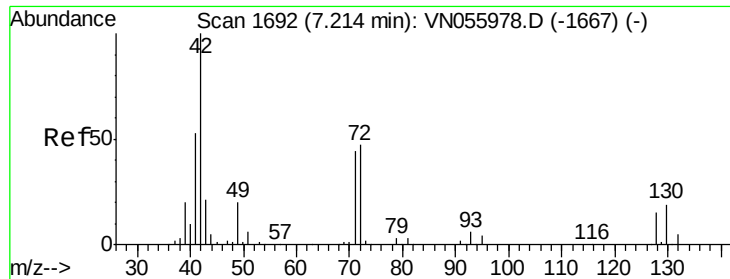
129 1.9 0.0 4.4

130 92.8 71.2 106.8



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

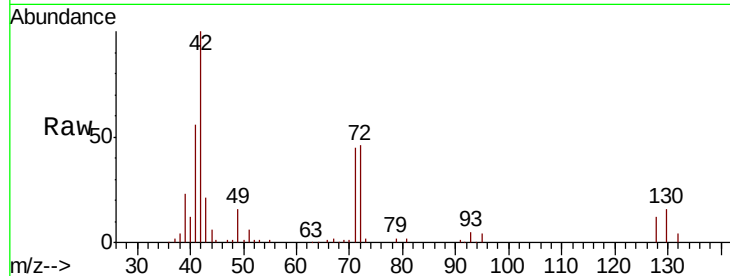




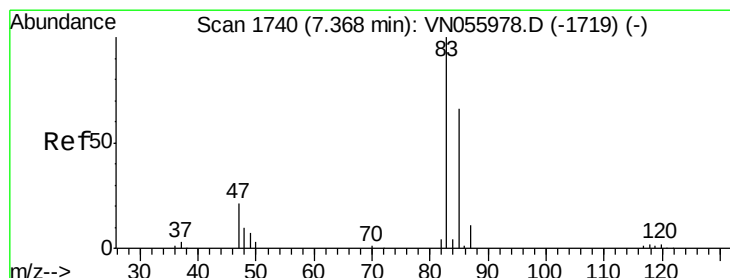
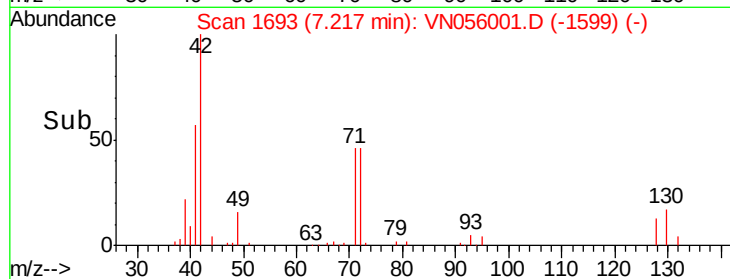
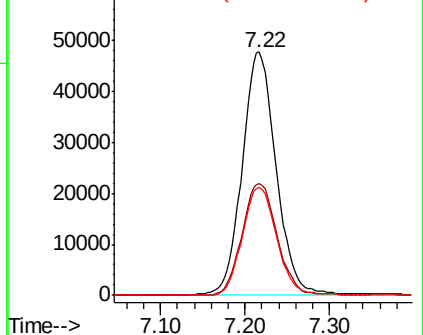
#29
Tetrahydrofuran
Concen: 101.994 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 133857
Ion Ratio Lower Upper
42 100
72 47.6 35.9 53.9
71 44.8 34.0 51.0

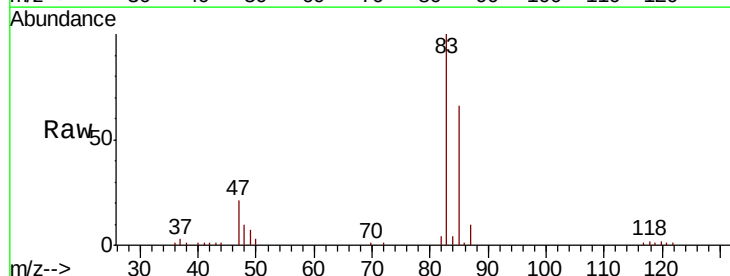


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

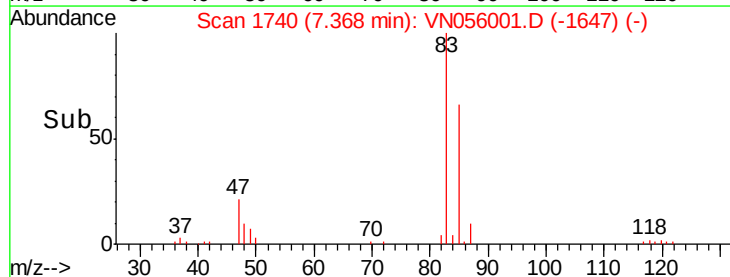
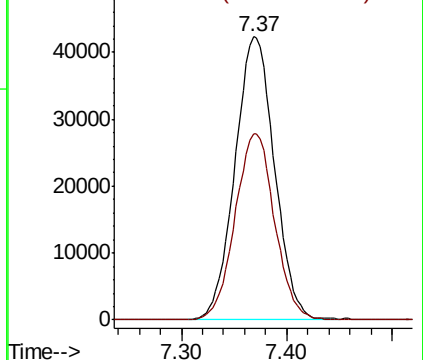


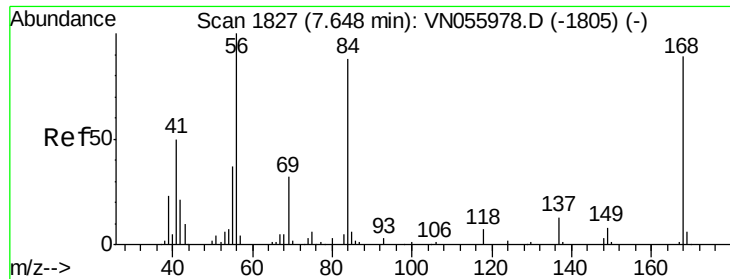
#30
Chloroform
Concen: 19.590 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Tgt Ion: 83 Resp: 110227
Ion Ratio Lower Upper
83 100
85 65.7 51.8 77.8



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

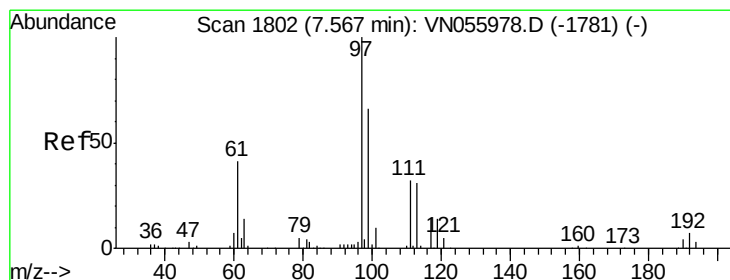
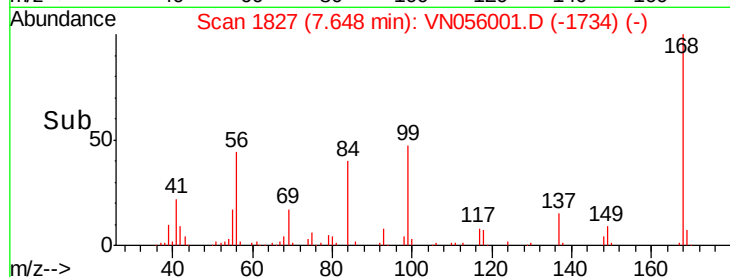
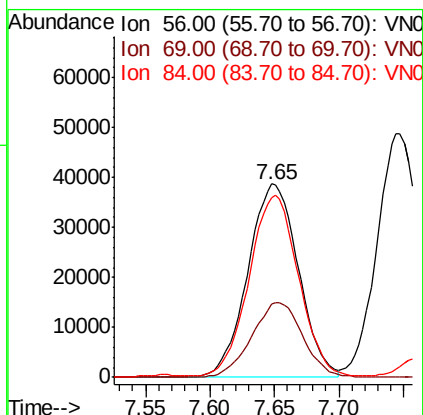
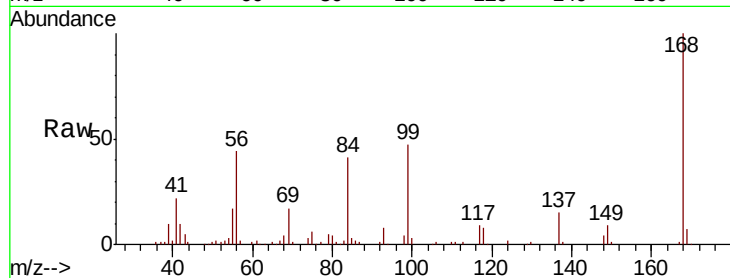




#31
Cyclohexane
Concen: 18.966 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

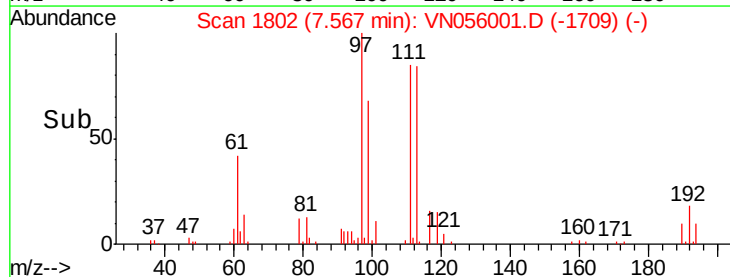
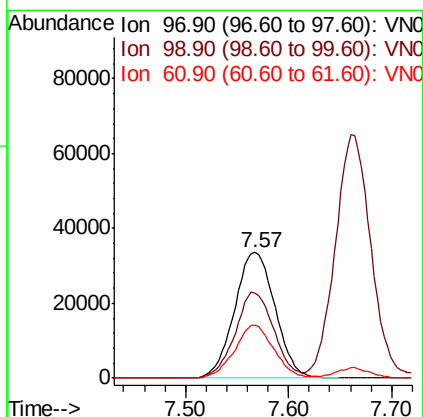
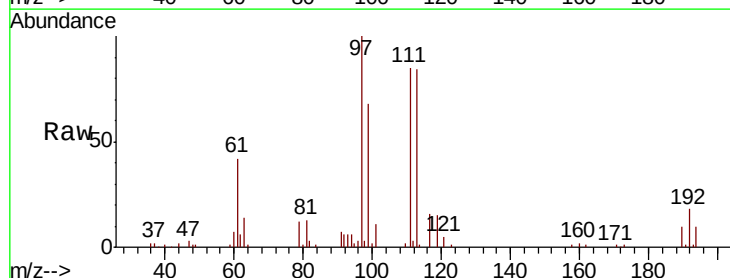
Instrument :
MSVOA_N
ClientSampleId :

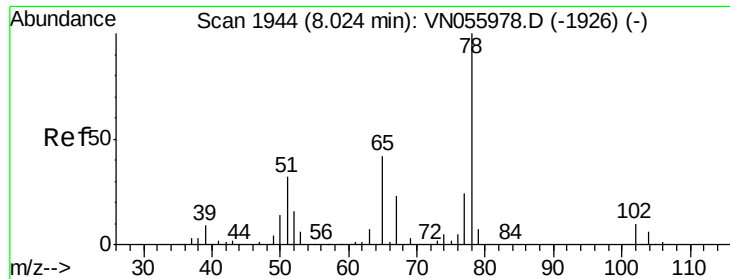
Tot Ion: 56 Resp: 105738
Ion Ratio Lower Upper
56 100
69 37.7 25.6 38.4
84 92.0 67.4 101.0



#32
1,1,1-Trichloroethane
Concen: 19.548 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Tgt Ion: 97 Resp: 91851
Ion Ratio Lower Upper
97 100
99 65.3 52.0 78.0
61 40.9 32.9 49.3

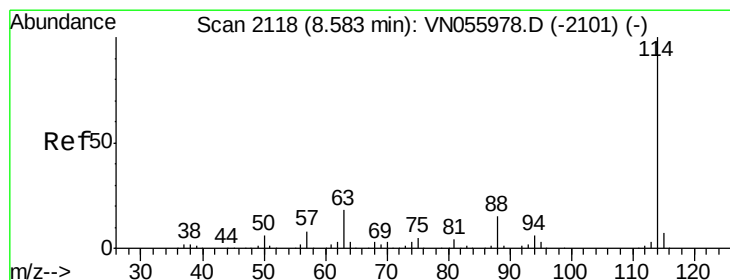
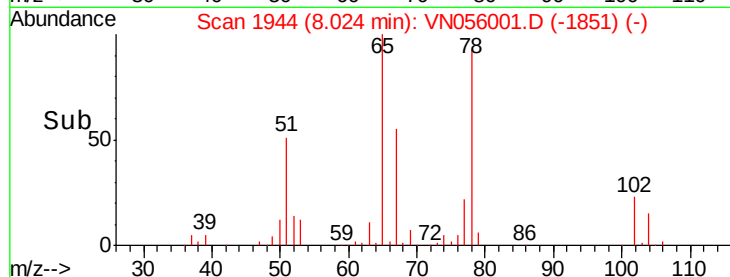
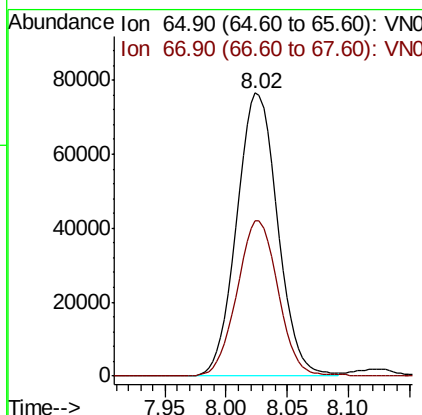
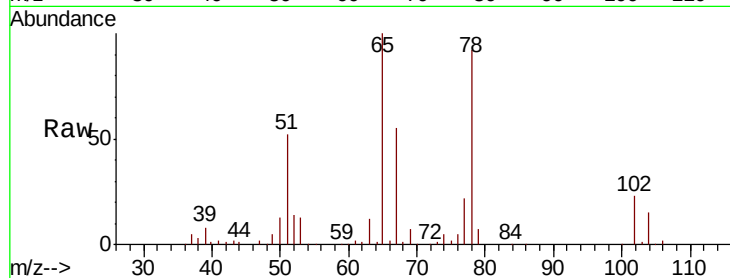




#33
 1,2-Dichloroethane-d4
 Concen: 50.628 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN056001.D
 Acq: 5 Jun 2019 11:36

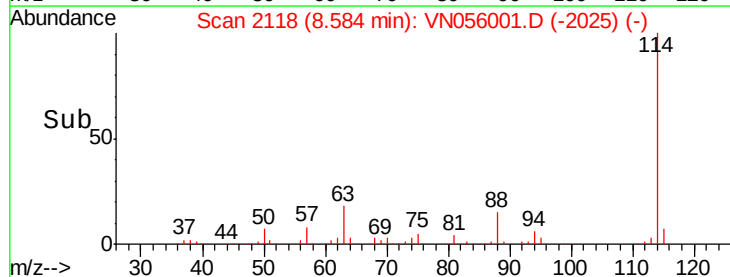
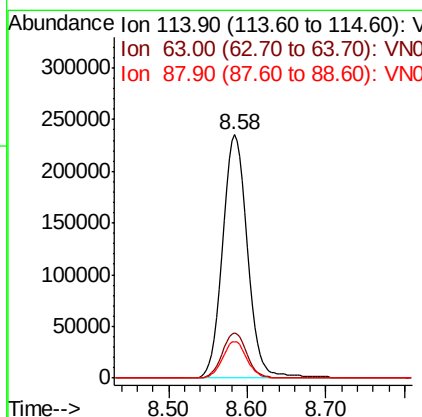
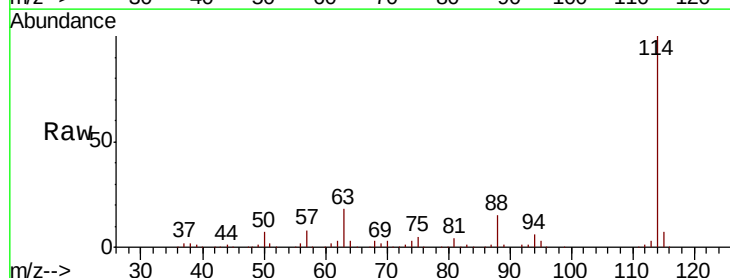
Instrument :
 MSVOA_N
 ClientSampled :

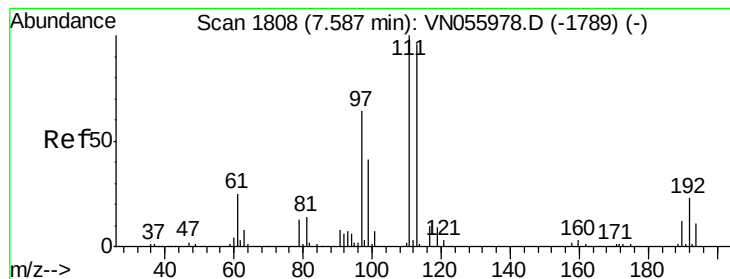
Tot Ion: 65 Resp: 177885
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056001.D
 Acq: 5 Jun 2019 11:36

Tgt Ion: 114 Resp: 514586
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 39.2
 88 15.0 0.0 31.0





#35

Dibromofluoromethane

Concen: 51.083 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

ClientSampleId :

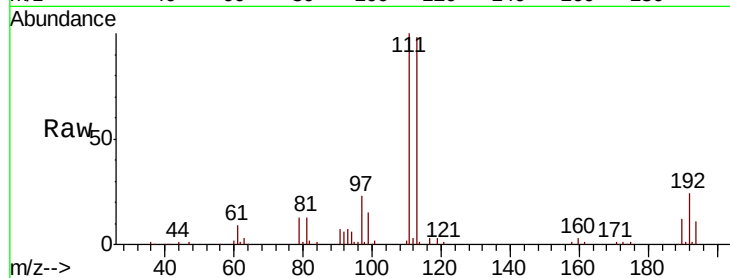
Tot Ion:113 Resp: 161278

Ion Ratio Lower Upper

113 100

111 101.4 81.9 122.9

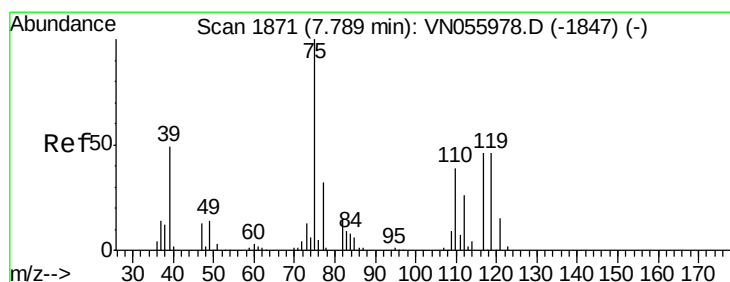
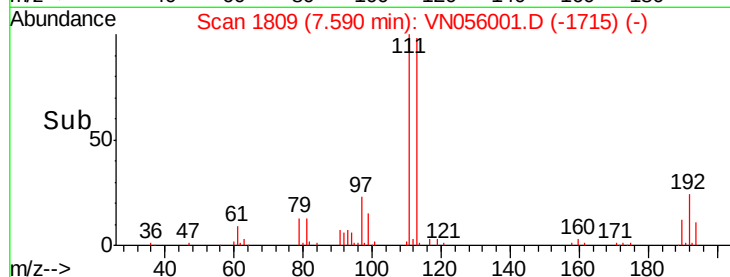
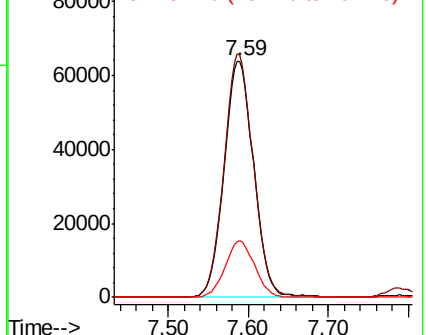
192 23.7 19.5 29.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.716 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

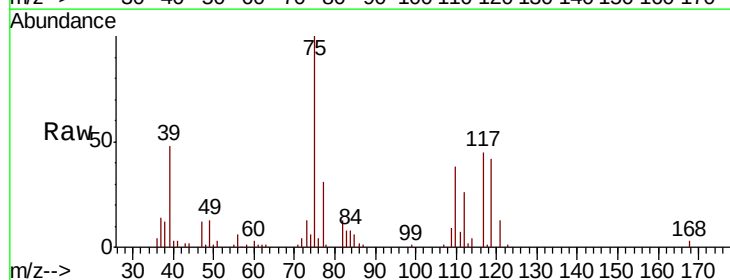
Tgt Ion: 75 Resp: 82812

Ion Ratio Lower Upper

75 100

110 38.2 19.0 57.0

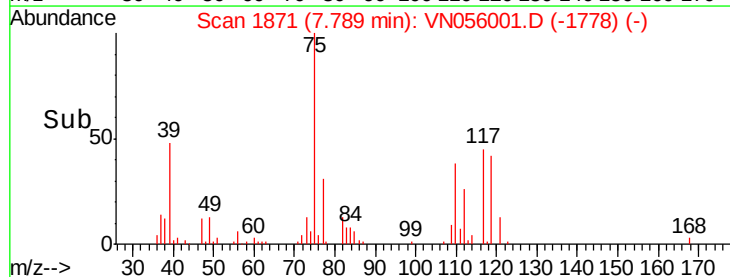
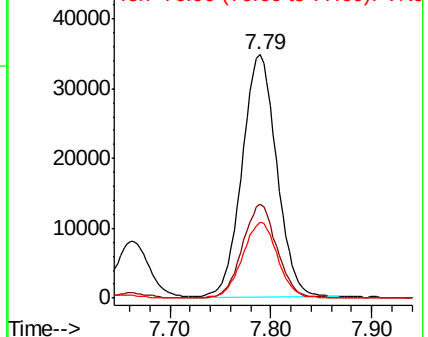
77 31.6 25.1 37.7

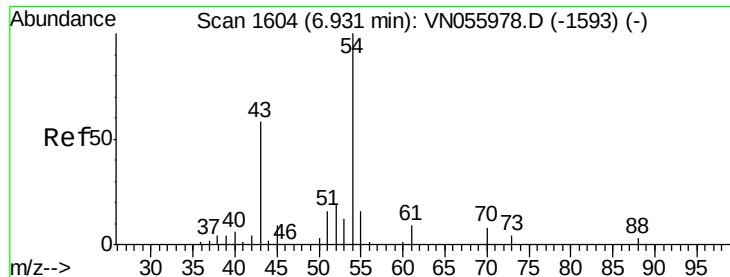


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

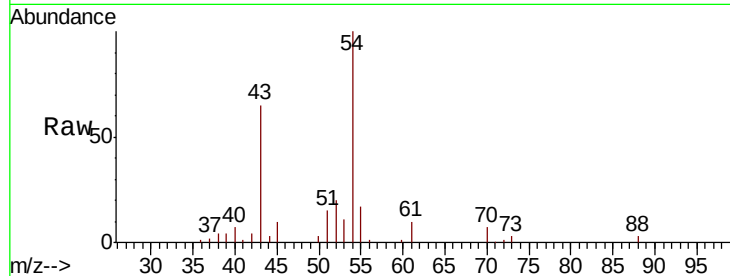




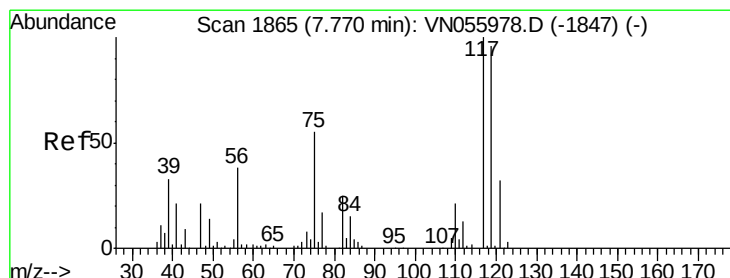
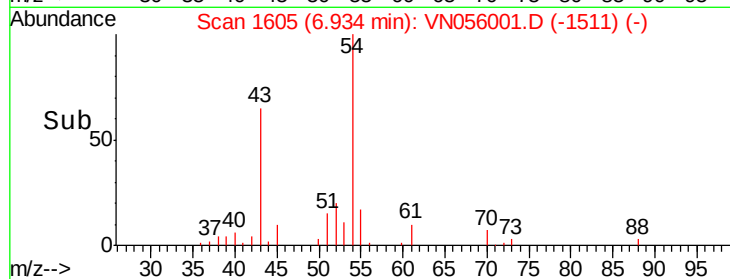
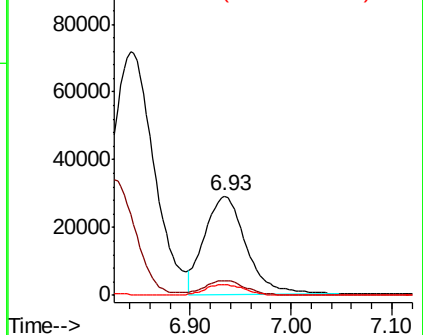
#37
Ethyl Acetate
Concen: 20.996 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 82658
Ion Ratio Lower Upper
43 100
61 15.1 12.2 18.2
70 10.6 8.9 13.3

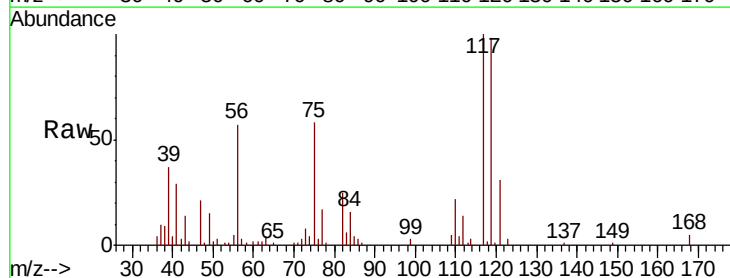


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

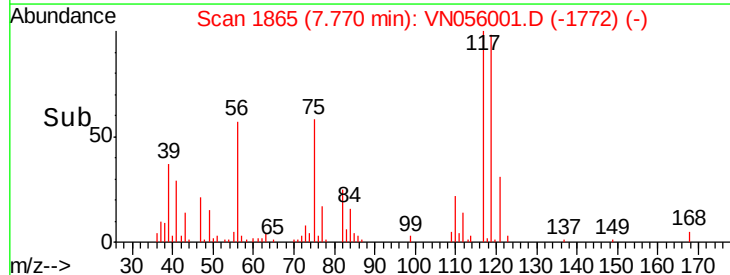
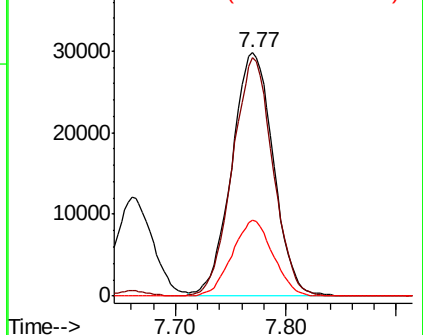


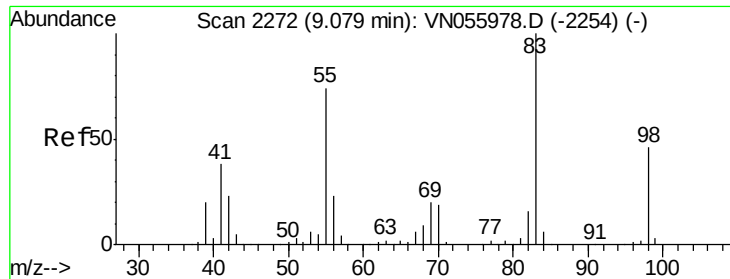
#38
Carbon Tetrachloride
Concen: 19.114 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Tgt Ion: 117 Resp: 77974
Ion Ratio Lower Upper
117 100
119 98.1 79.0 118.6
121 30.9 24.7 37.1



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

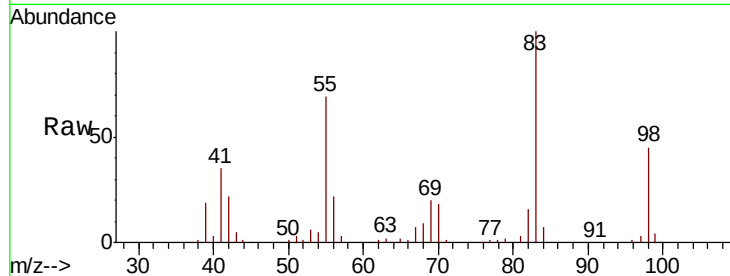




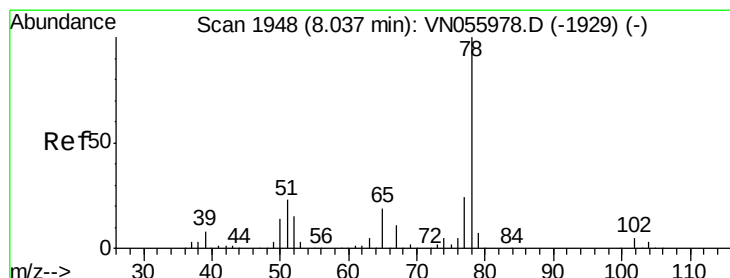
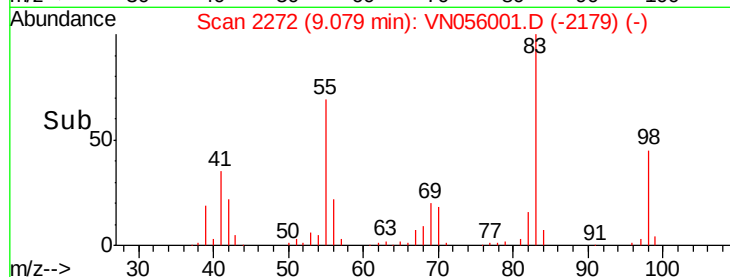
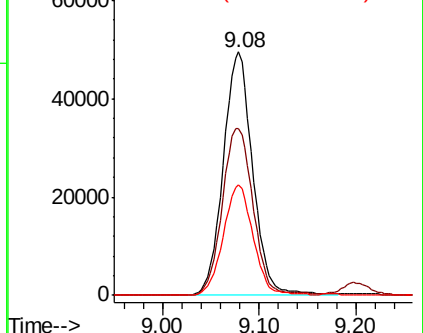
#39
Methylvlcyclohexane
Concen: 19.036 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 104926
Ion Ratio Lower Upper
83 100
55 68.7 59.3 88.9
98 45.4 36.6 54.8

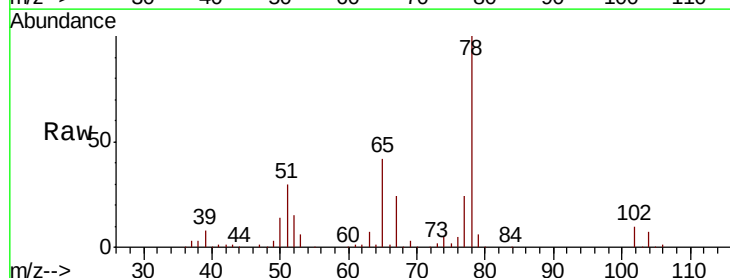


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

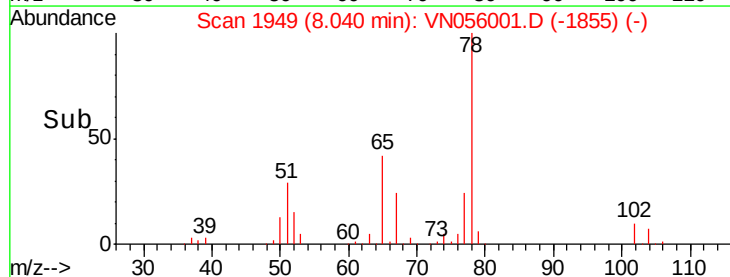
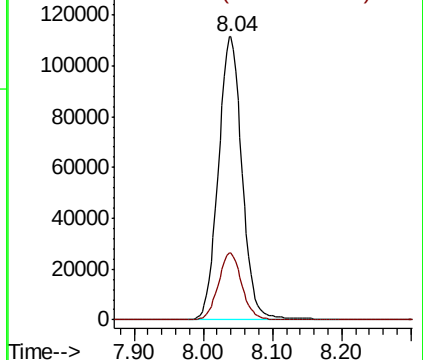


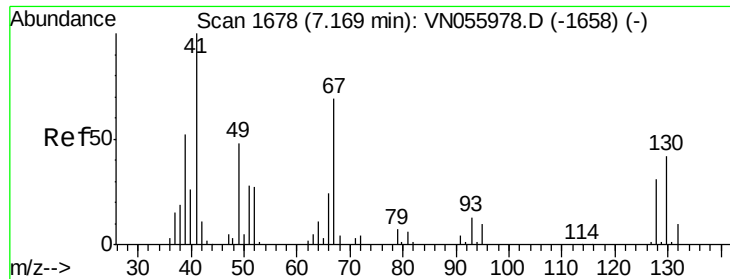
#40
Benzene
Concen: 19.734 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Tgt Ion: 78 Resp: 265209
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2



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

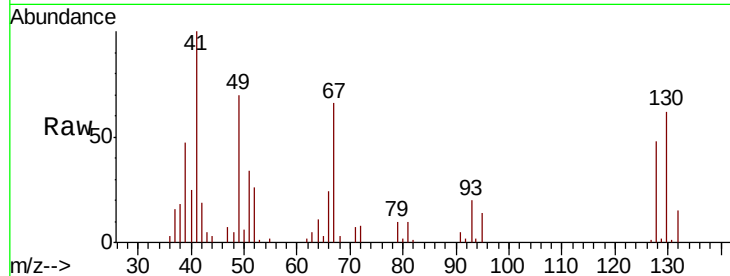




#41
Methacrylonitrile
Concen: 23.133 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	41903
Ion	Ratio	Lower	Upper
41	100		
39	50.7	45.6	68.4
67	83.5	67.7	101.5
52	31.4	26.6	40.0



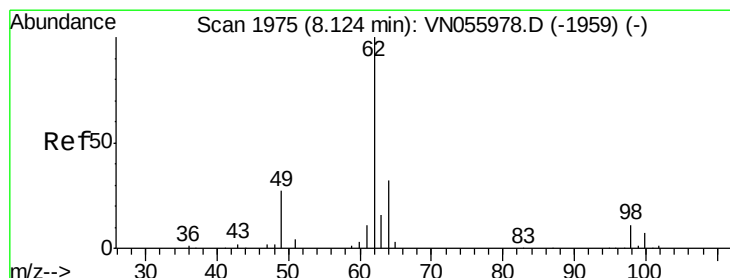
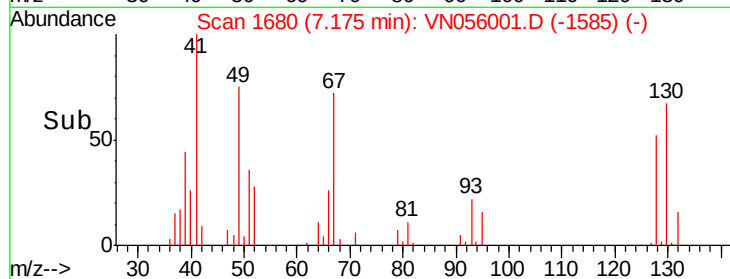
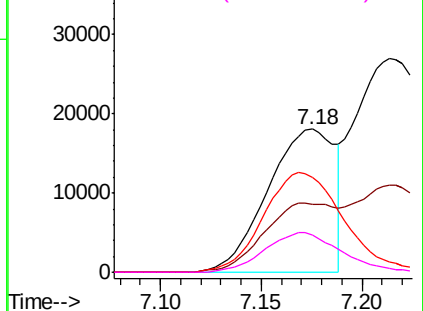
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

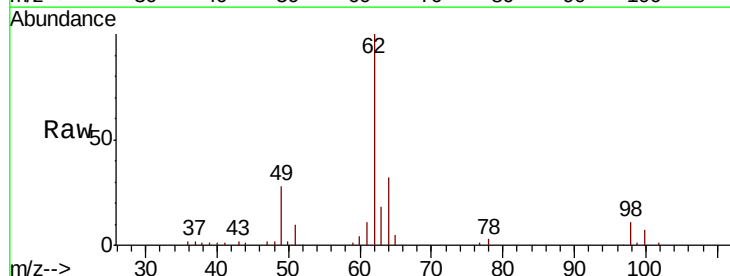
Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42
1,2-Dichloroethane
Concen: 19.417 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

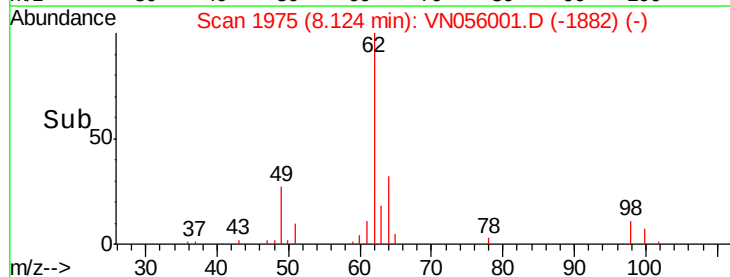
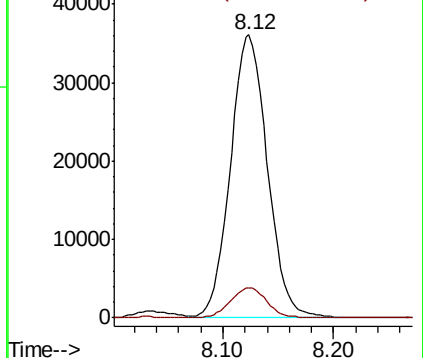
Tgt Ion:	62	Resp:	83938
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.2

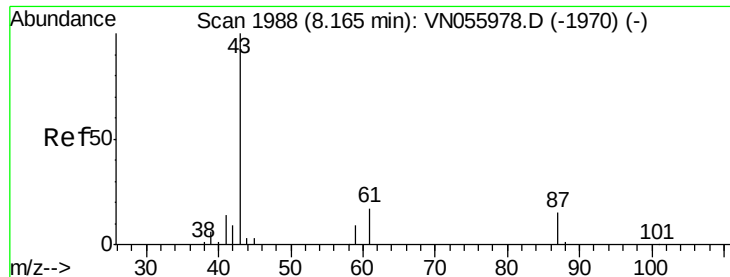


Abundance

Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.635 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

ClientSampleId :

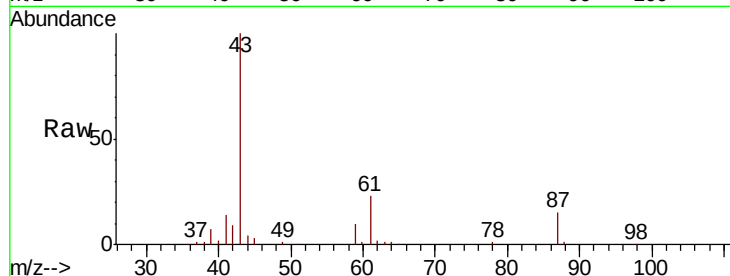
Tot Ion: 43 Resp: 125267

Ion Ratio Lower Upper

43 100

61 29.5 22.2 33.4

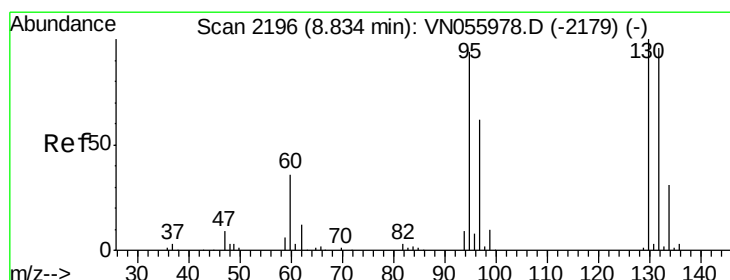
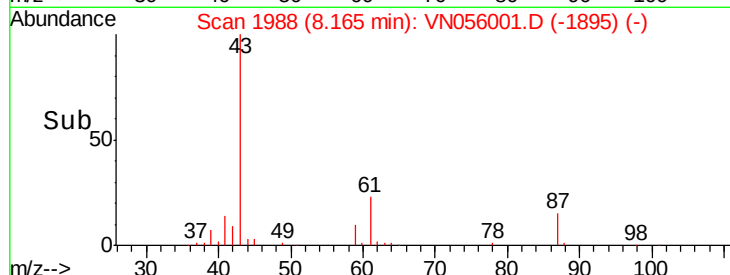
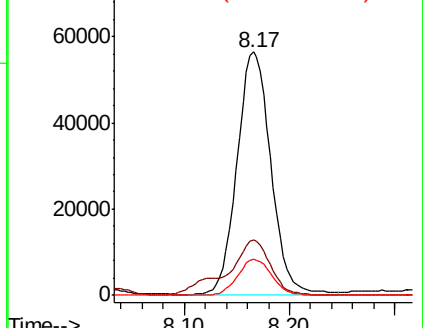
87 14.9 11.4 17.2



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

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

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



#44

Trichloroethene

Concen: 19.327 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056001.D

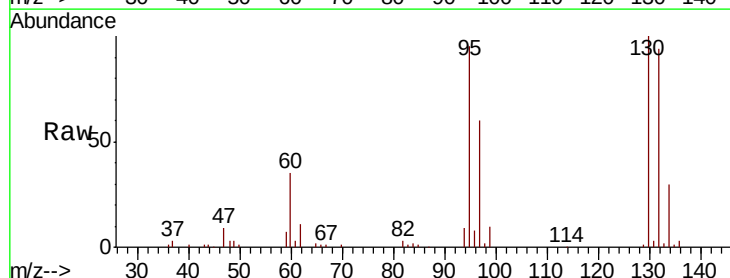
Acq: 5 Jun 2019 11:36

Tgt Ion:130 Resp: 74635

Ion Ratio Lower Upper

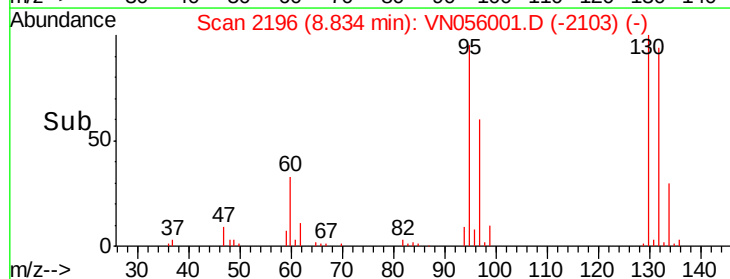
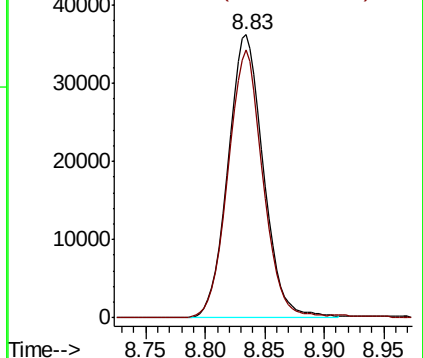
130 100

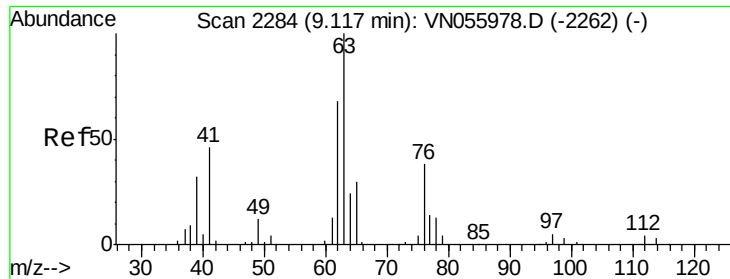
95 94.6 0.0 188.0



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

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

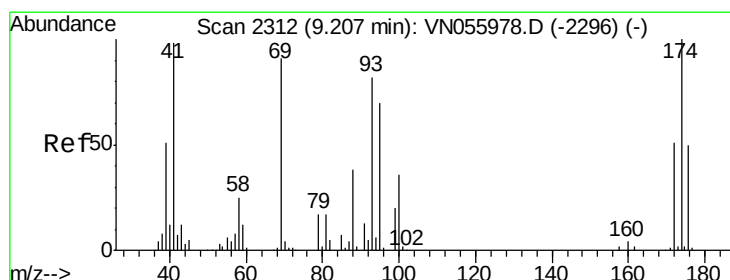
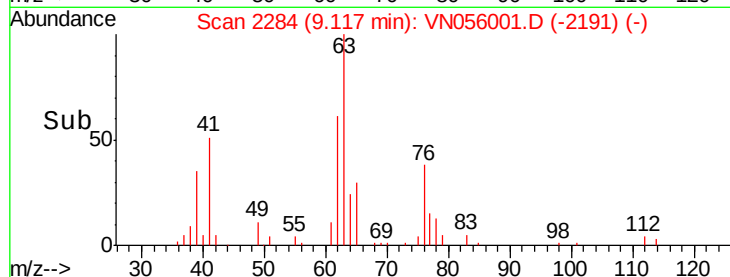
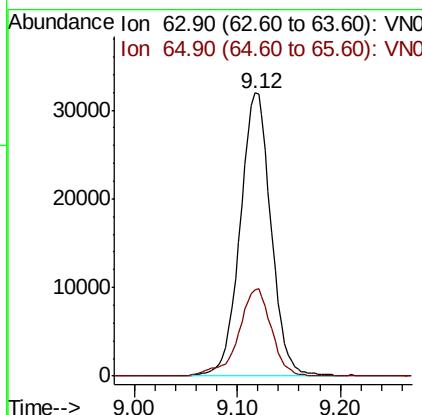
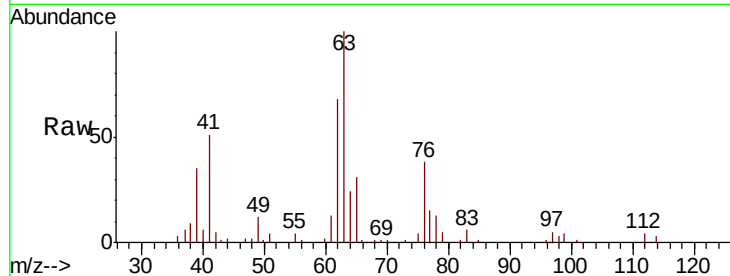




#45
1,2-Dichloropropane
Concen: 19.336 ug/l
RT: 9.12 min Scan# 2284
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

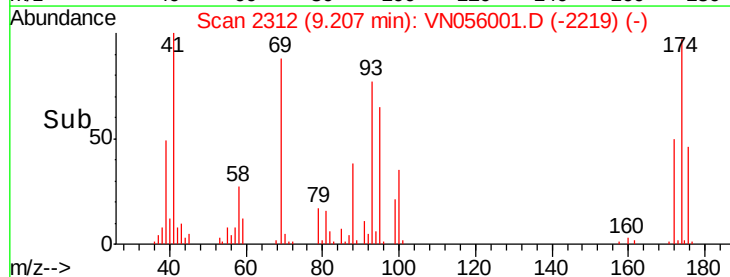
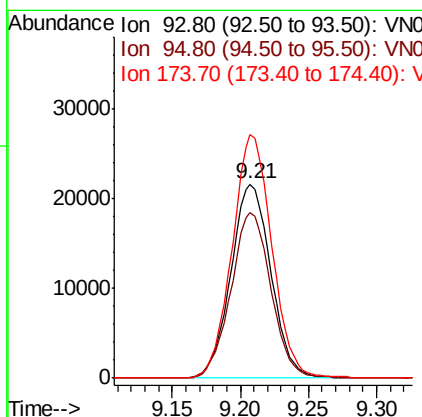
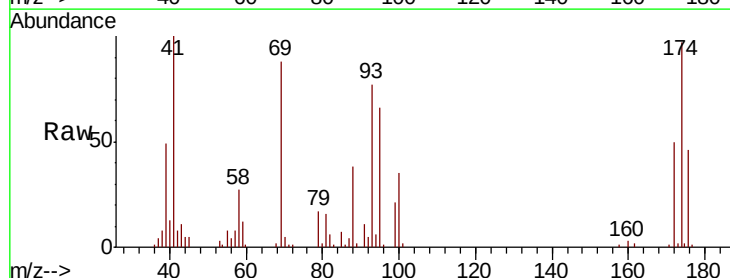
Instrument :
MSVOA_N
ClientSampled :

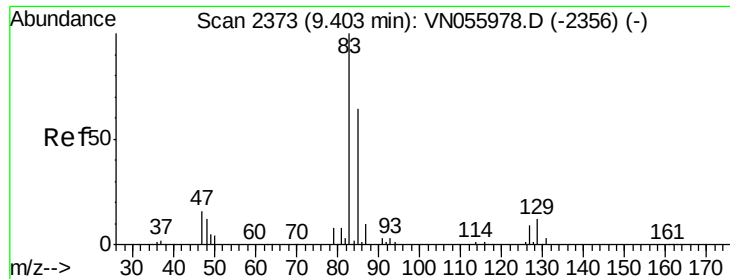
Tot Ion: 63 Resp: 66560
Ion Ratio Lower Upper
63 100
65 30.6 24.6 36.8



#46
Dibromomethane
Concen: 19.603 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Tgt Ion: 93 Resp: 44125
Ion Ratio Lower Upper
93 100
95 85.1 66.7 100.1
174 124.3 96.4 144.6





#47

Bromodichloromethane

Concen: 19.358 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :
MSVOA_N
ClientSampleId :

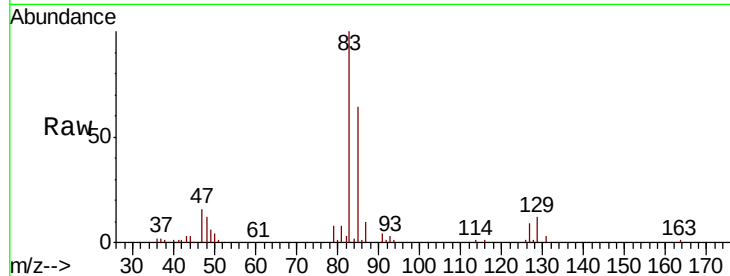
Tot Ion: 83 Resp: 78974

Ion Ratio Lower Upper

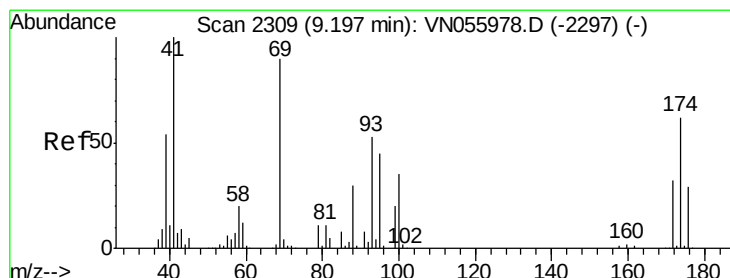
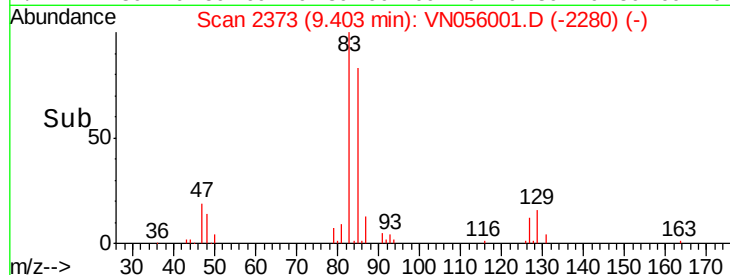
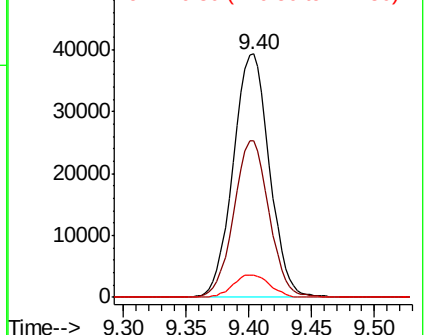
83 100

85 64.4 52.2 78.2

127 9.1 7.4 11.0



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: 19.379 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

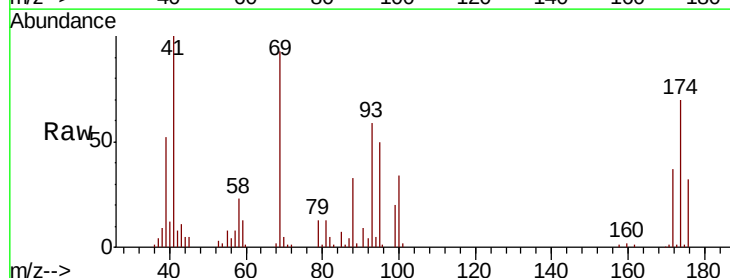
Tgt Ion: 41 Resp: 60484

Ion Ratio Lower Upper

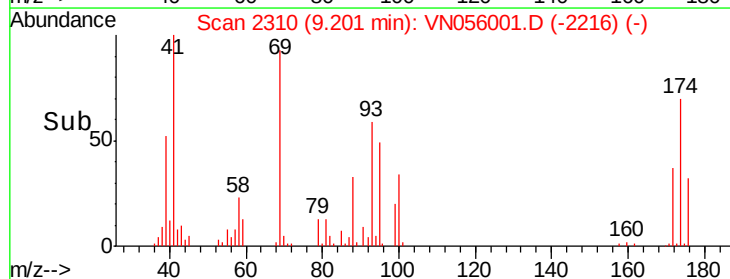
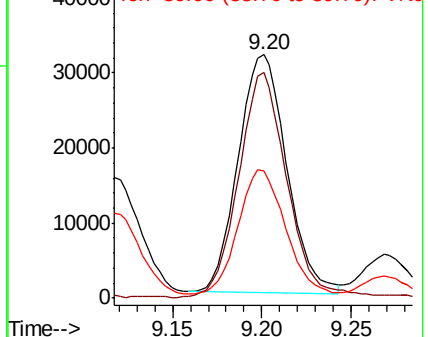
41 100

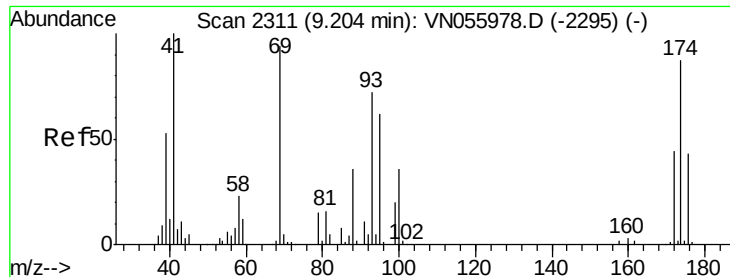
69 95.8 71.0 106.6

39 53.5 44.2 66.2



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

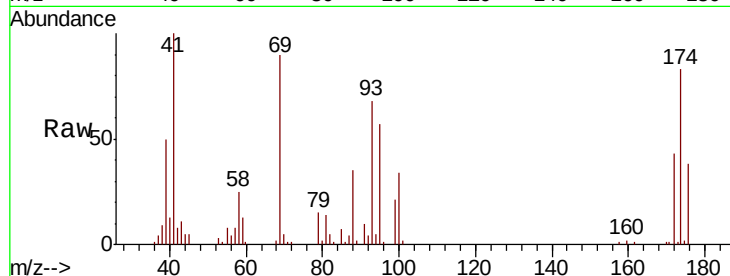




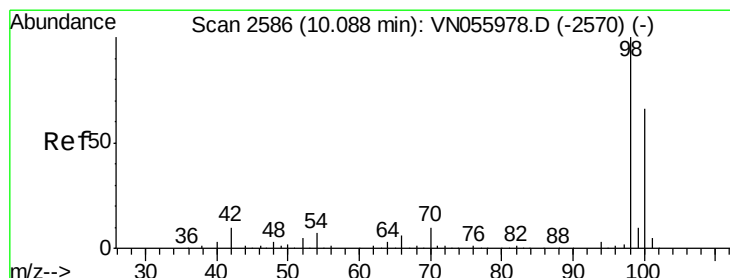
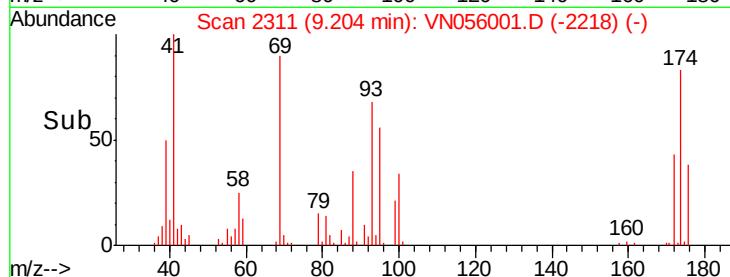
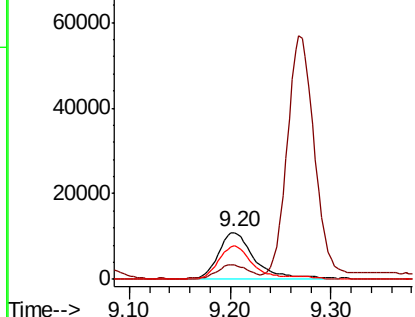
#49
 1,4-Dioxane
 Concen: 411.376 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN056001.D
 Acq: 5 Jun 2019 11:36

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 27719
 Ion Ratio Lower Upper
 88 100
 43 25.4 20.5 30.7
 58 64.5 55.8 83.6

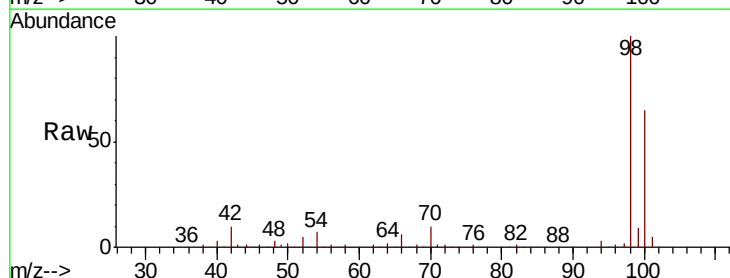


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

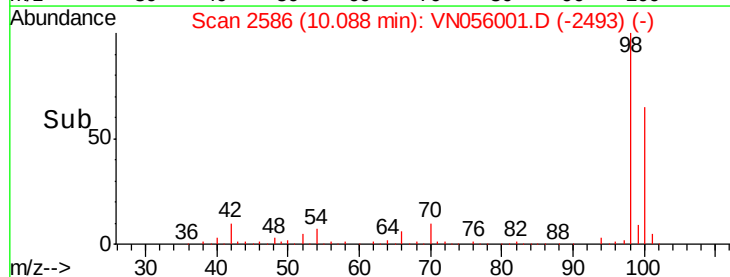
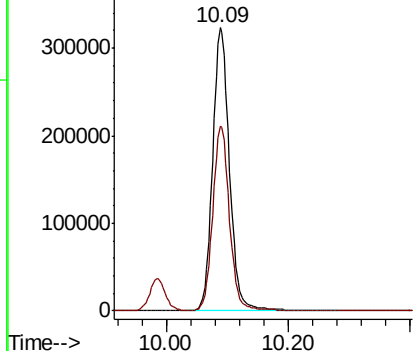


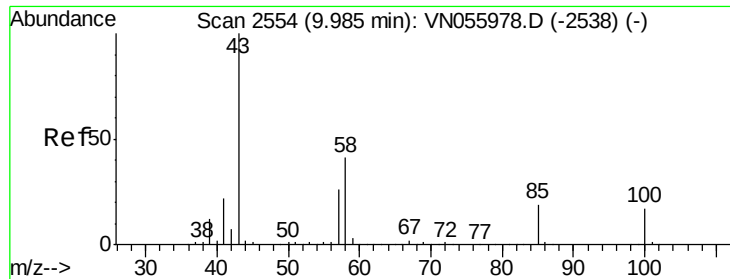
#50
 Toluene-d8
 Concen: 51.191 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN056001.D
 Acq: 5 Jun 2019 11:36

Tgt Ion: 98 Resp: 621906
 Ion Ratio Lower Upper
 98 100
 100 64.8 51.9 77.9



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





#51

4-Methyl-2-Pentanone

Concen: 101.543 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

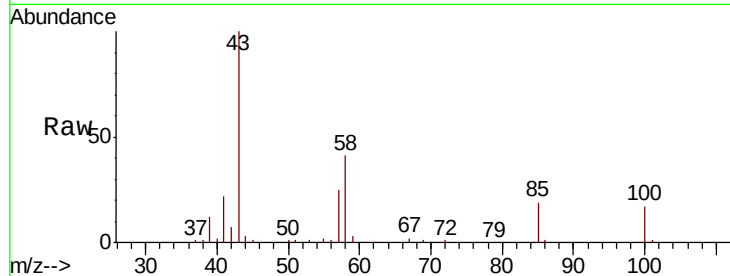
ClientSampled :

Tot Ion: 43 Resp: 405108

Ion Ratio Lower Upper

43 100

58 40.6 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

250000

200000

150000

100000

50000

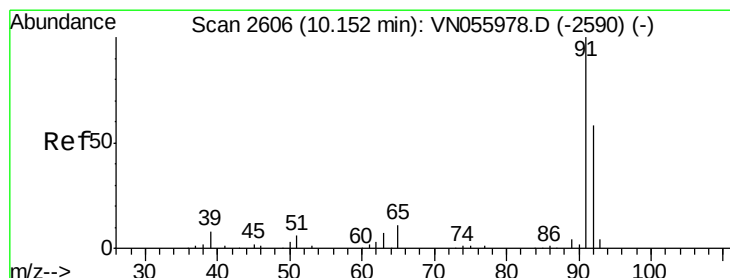
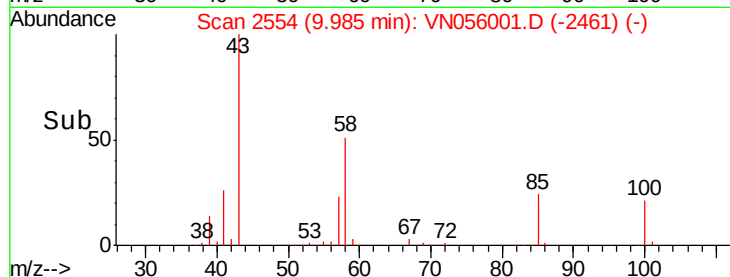
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 20.133 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056001.D

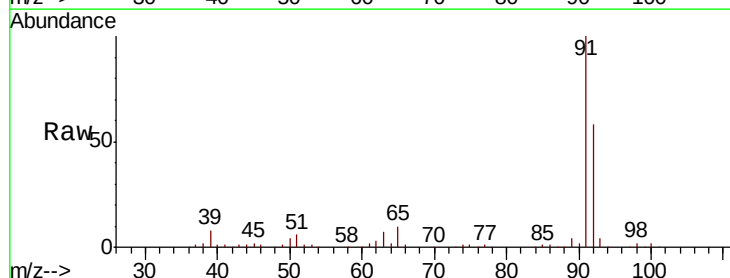
Acq: 5 Jun 2019 11:36

Tgt Ion: 92 Resp: 168366

Ion Ratio Lower Upper

92 100

91 173.9 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

150000

100000

50000

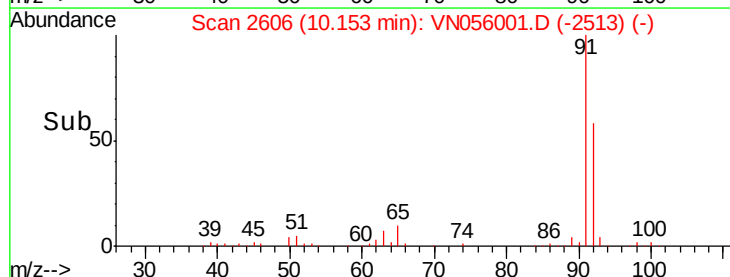
0

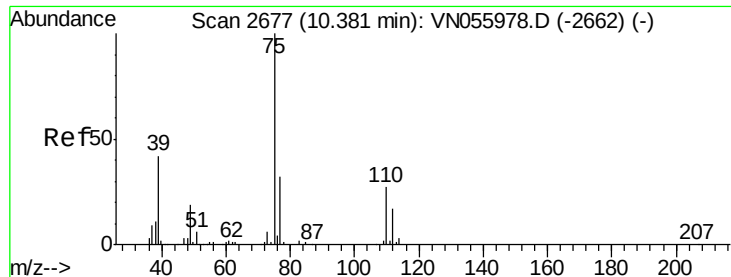
10.10

10.20

10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.571 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

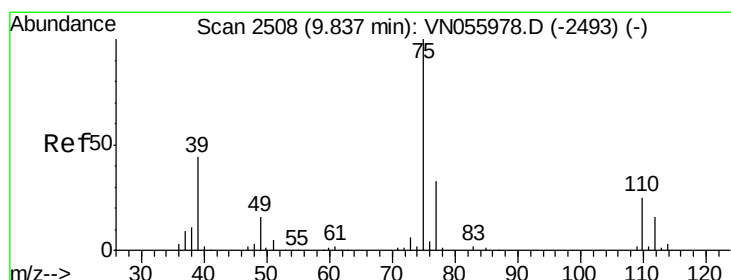
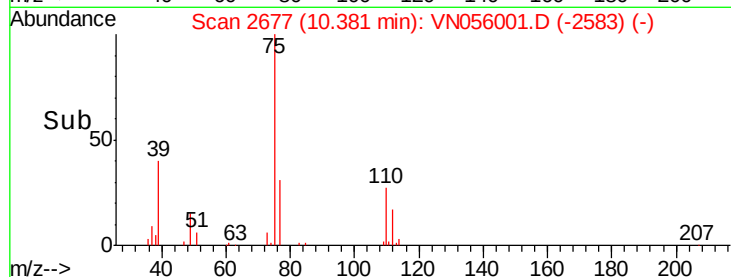
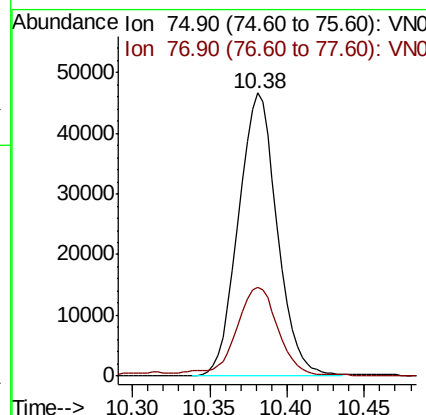
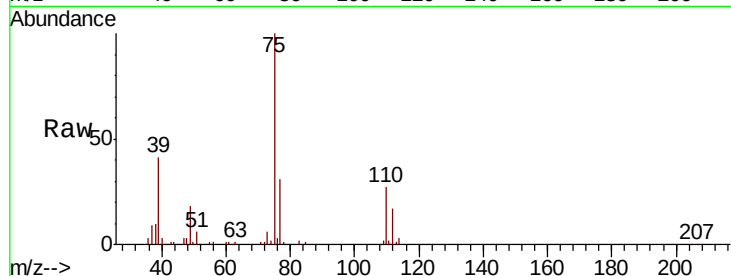
ClientSampled :

Tot Ion: 75 Resp: 81255

Ion Ratio Lower Upper

75 100

77 30.9 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 19.865 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

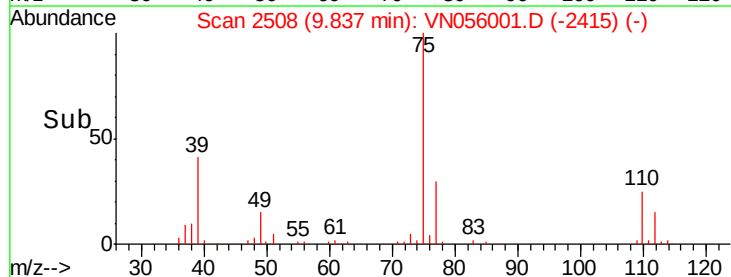
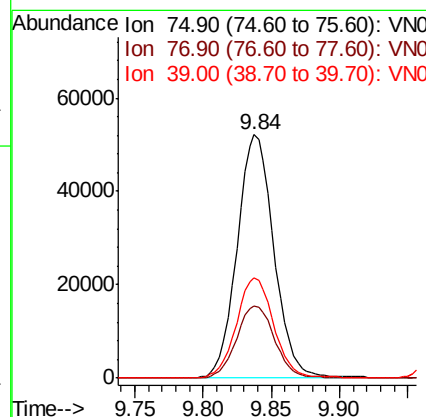
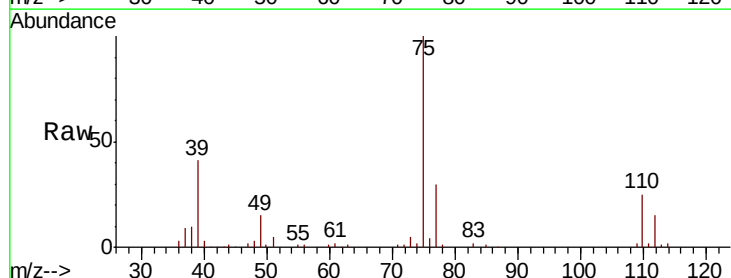
Tgt Ion: 75 Resp: 97417

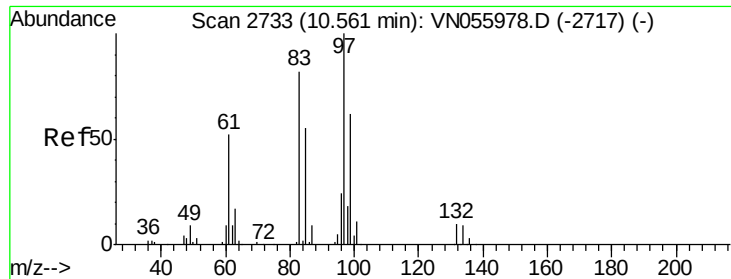
Ion Ratio Lower Upper

75 100

77 29.5 25.4 38.0

39 41.2 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 19.655 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 65107

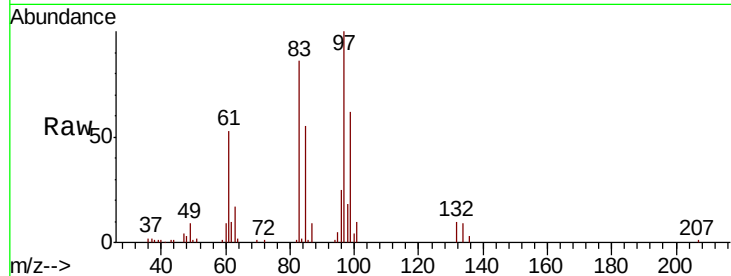
Ion	Ratio	Lower	Upper
97	100		
83	86.4	67.0	100.6
85	54.9	44.0	66.0
99	62.2	50.6	75.8

97 100

83 86.4 67.0 100.6

85 54.9 44.0 66.0

99 62.2 50.6 75.8



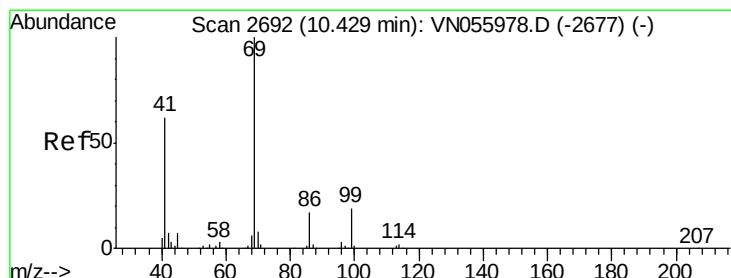
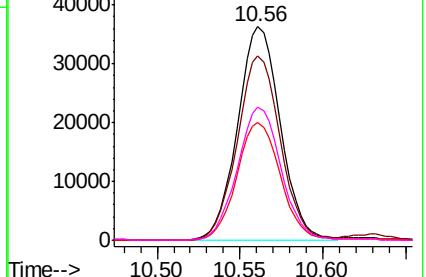
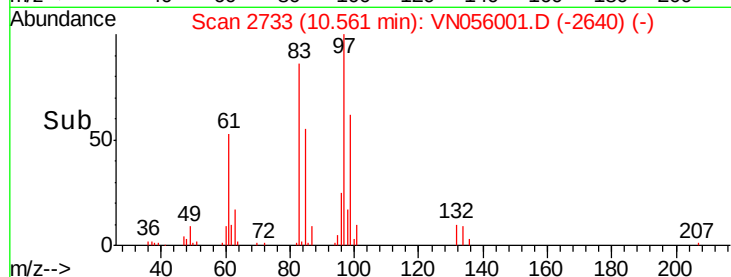
Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Time-->



#56

Ethyl methacrylate

Concen: 20.351 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

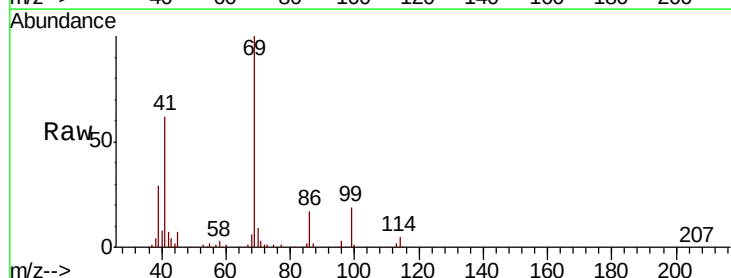
Tgt Ion: 69 Resp: 98346

Ion	Ratio	Lower	Upper
69	100		
41	60.9	49.7	74.5
39	30.4	24.7	37.1

69 100

41 60.9 49.7 74.5

39 30.4 24.7 37.1

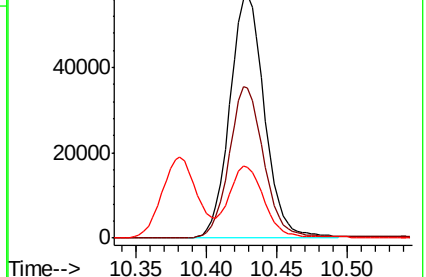
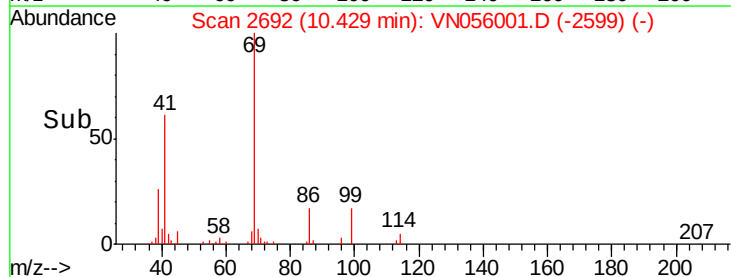


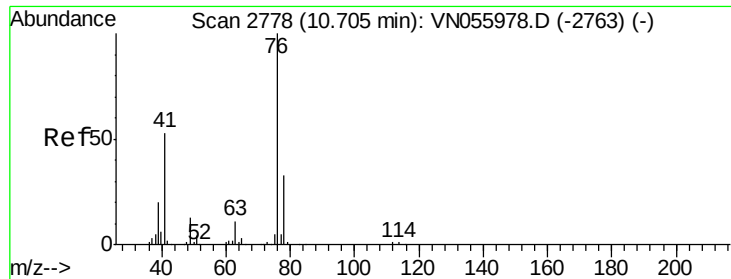
Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Time-->





#57

1,3-Dichloropropane

Concen: 20.027 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

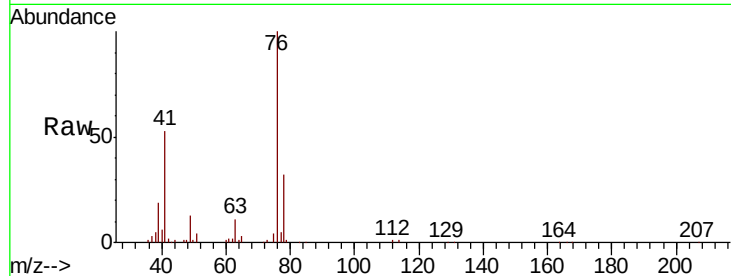
ClientSampleId :

Tot Ion: 76 Resp: 107844

Ion Ratio Lower Upper

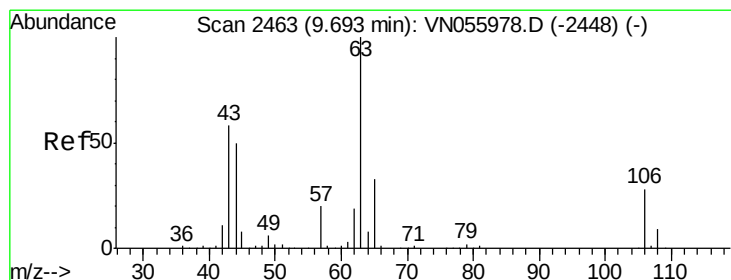
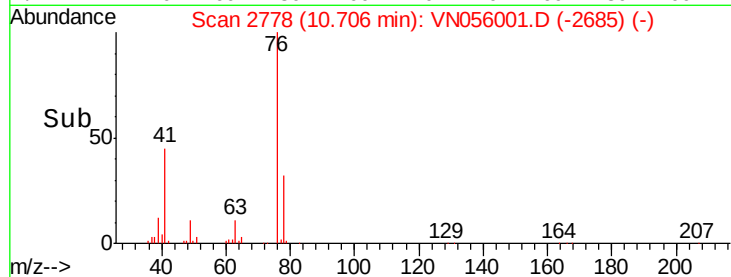
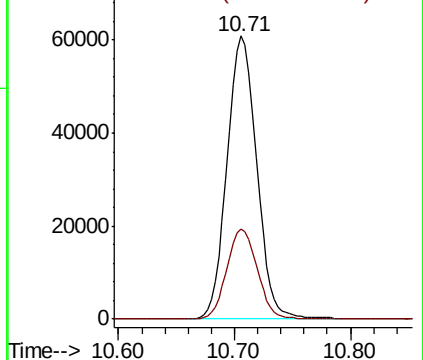
76 100

78 32.5 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 95.530 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056001.D

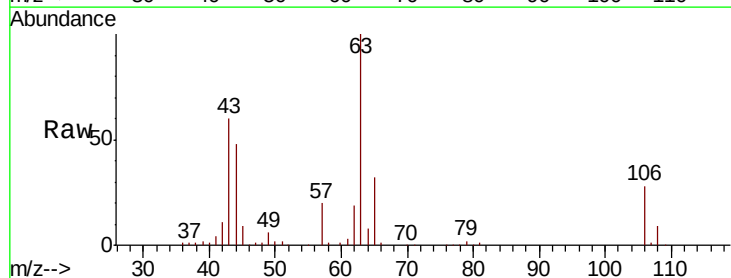
Acq: 5 Jun 2019 11:36

Tgt Ion: 63 Resp: 164316

Ion Ratio Lower Upper

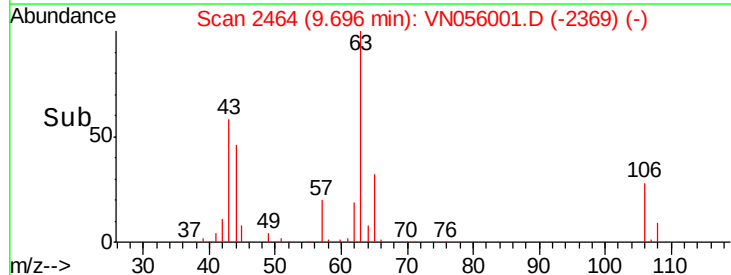
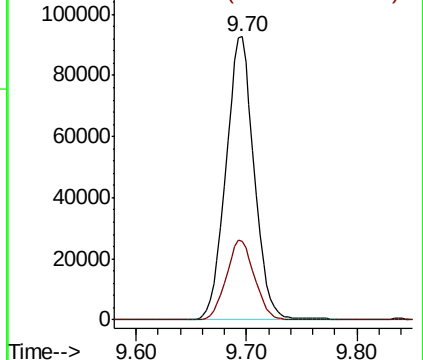
63 100

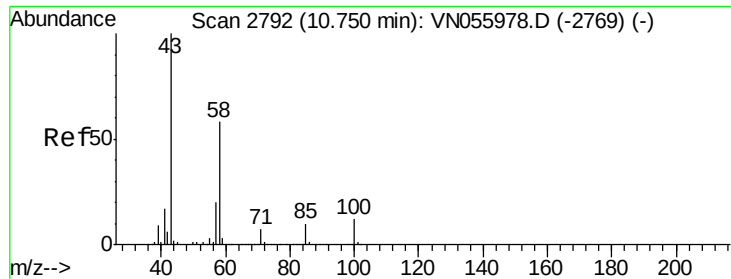
106 28.1 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

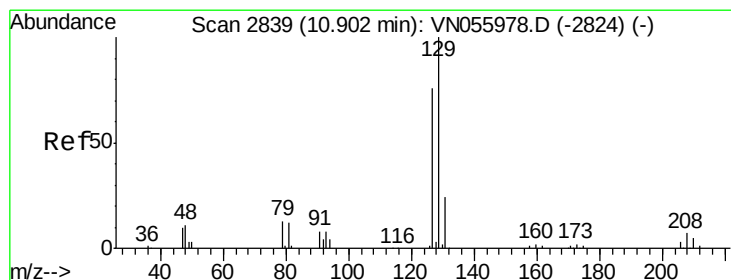
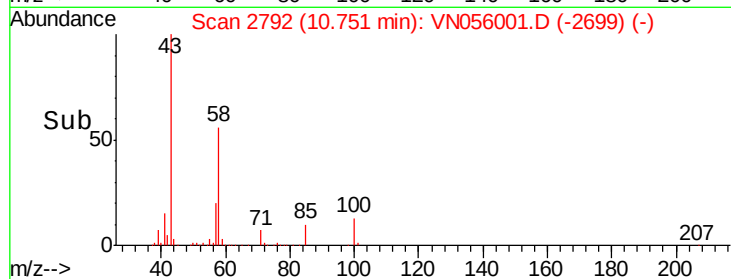
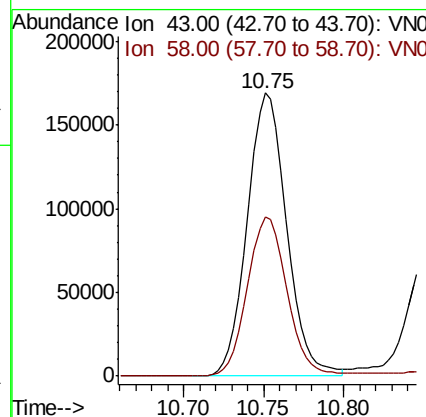
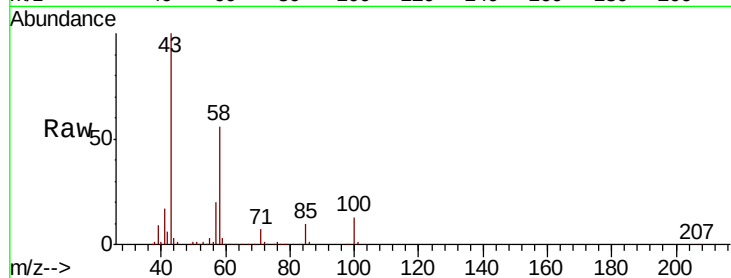




#59
2-Hexanone
Concen: 98.351 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

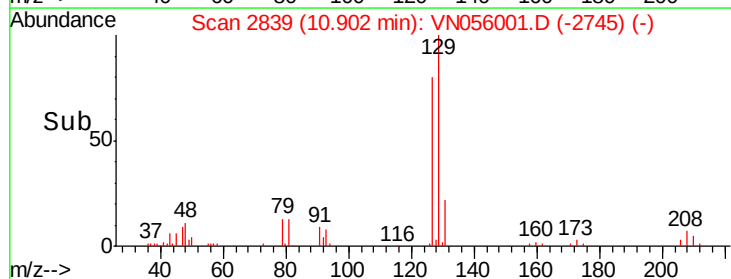
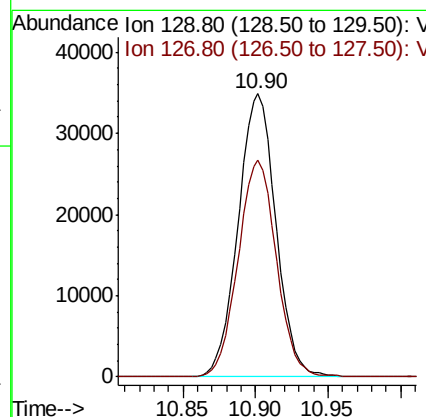
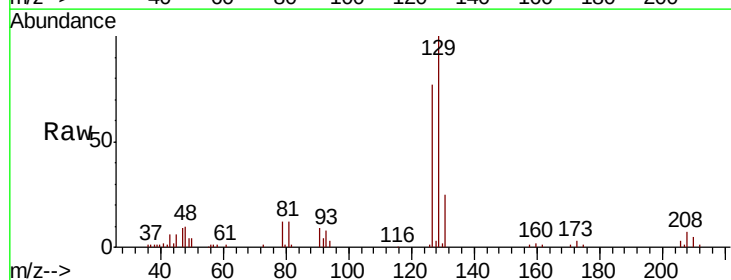
Instrument :
MSVOA_N
ClientSampled :

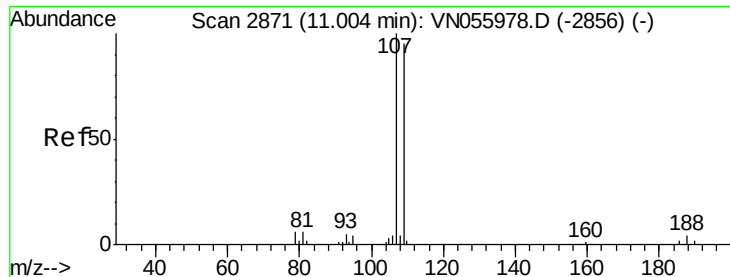
Tot Ion: 43 Resp: 284384
Ion Ratio Lower Upper
43 100
58 57.3 28.2 84.7



#60
Dibromochloromethane
Concen: 18.866 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Tgt Ion: 129 Resp: 63060
Ion Ratio Lower Upper
129 100
127 77.6 38.1 114.3

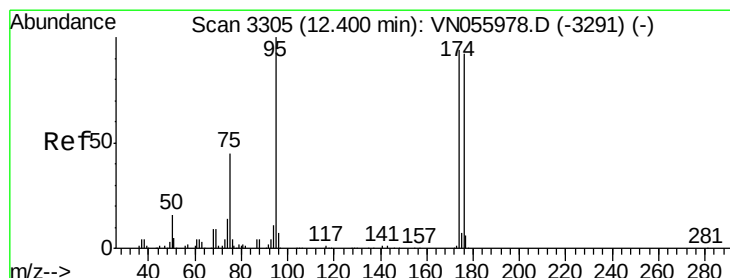
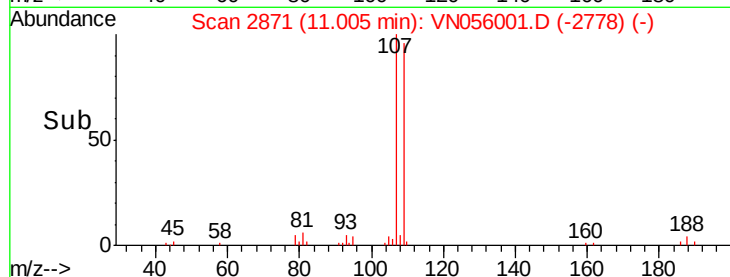
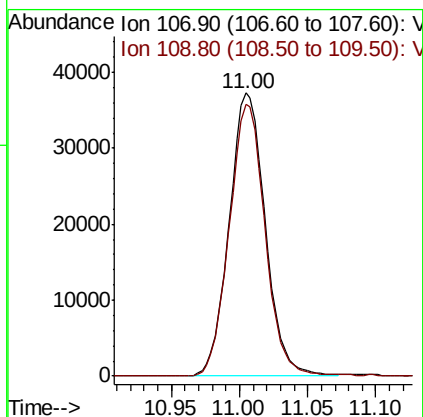
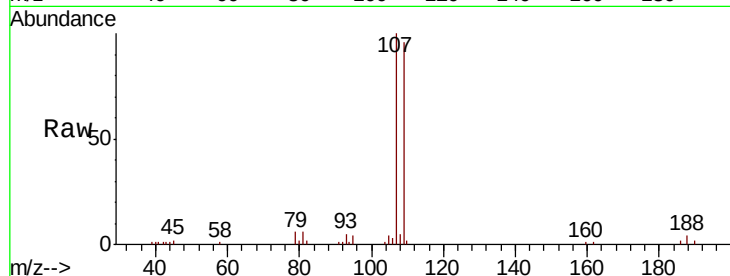




#61
 1,2-Dibromoethane
 Concen: 20.232 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056001.D
 Acq: 5 Jun 2019 11:36

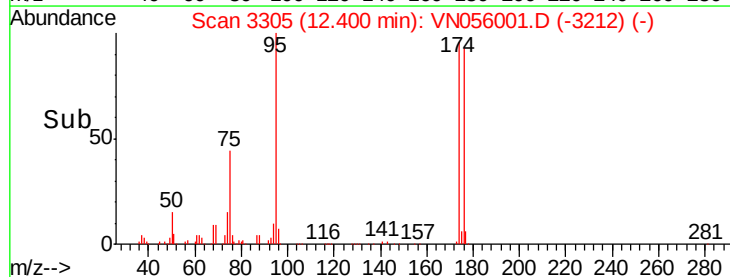
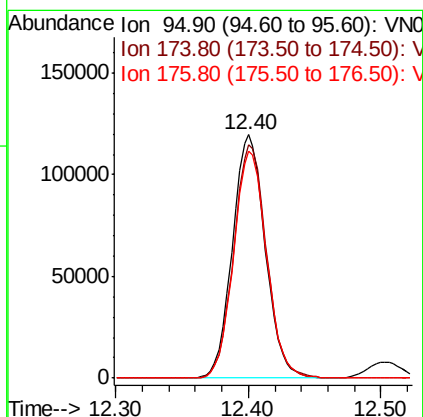
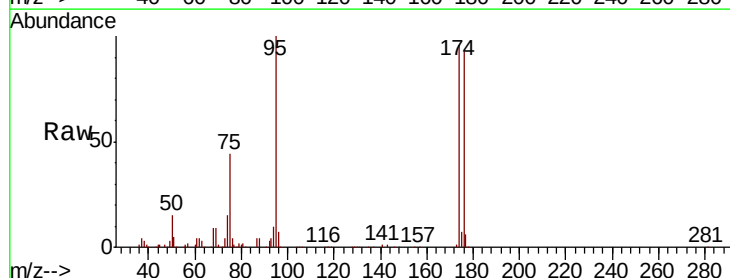
Instrument :
 MSVOA_N
 ClientSampleId :

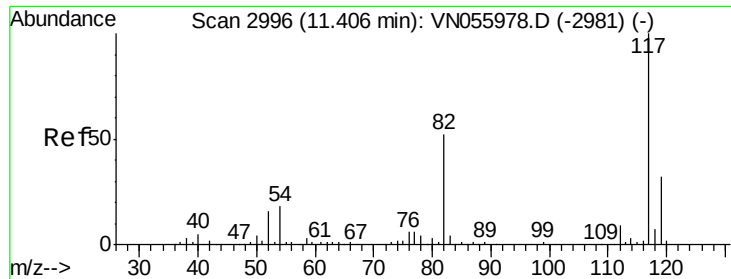
Tot Ion:107 Resp: 68514
 Ion Ratio Lower Upper
 107 100
 109 95.3 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 49.718 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056001.D
 Acq: 5 Jun 2019 11:36

Tgt Ion: 95 Resp: 205411
 Ion Ratio Lower Upper
 95 100
 174 96.1 0.0 191.0
 176 94.0 0.0 185.2

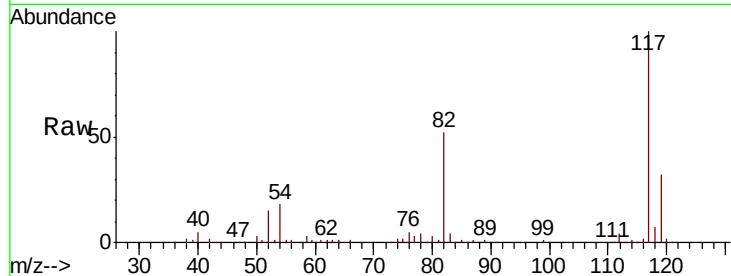




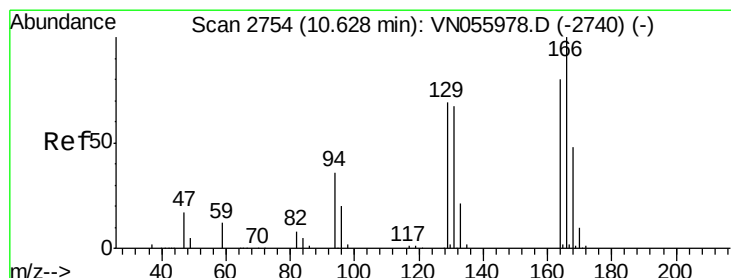
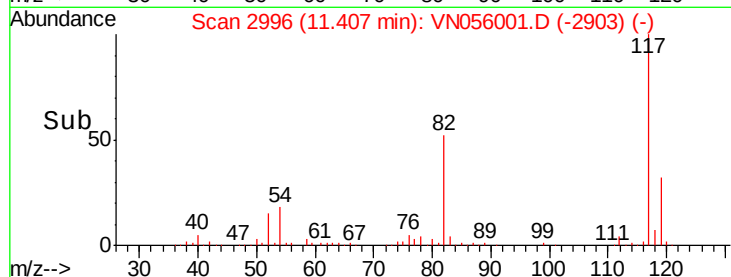
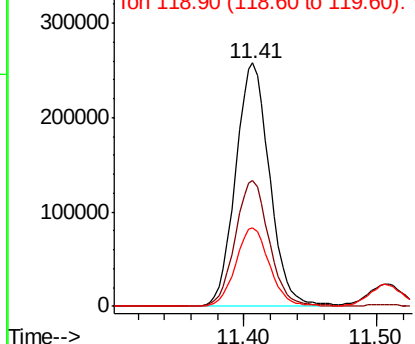
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 459778
Ion Ratio Lower Upper
117 100
82 51.9 41.8 62.8
119 32.3 25.4 38.0

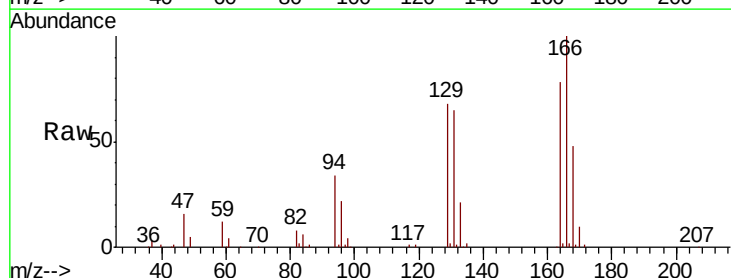


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

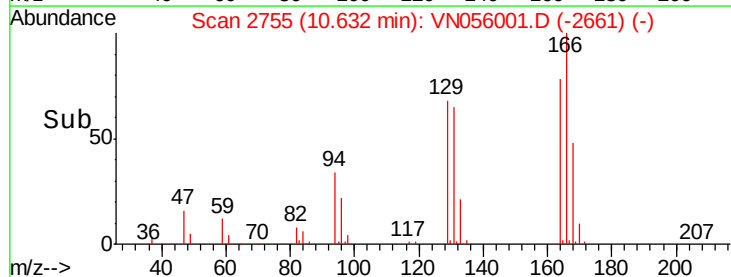
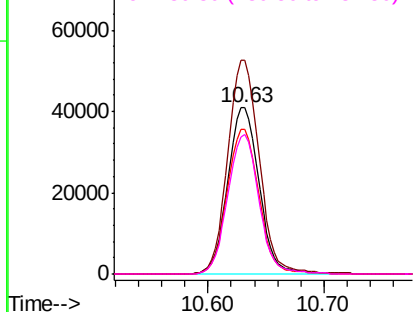


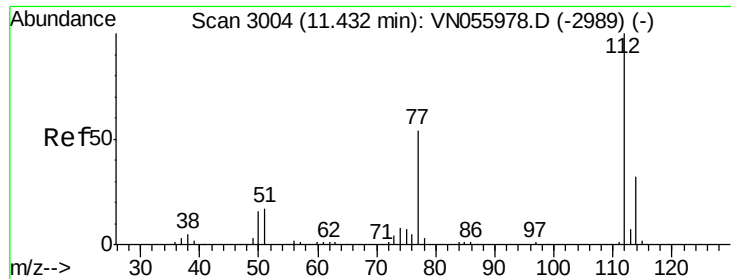
#64
Tetrachloroethene
Concen: 19.256 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Tgt Ion:164 Resp: 76636
Ion Ratio Lower Upper
164 100
166 128.5 103.0 154.6
129 86.8 70.6 105.8
131 84.0 68.6 102.8



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: 19.412 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

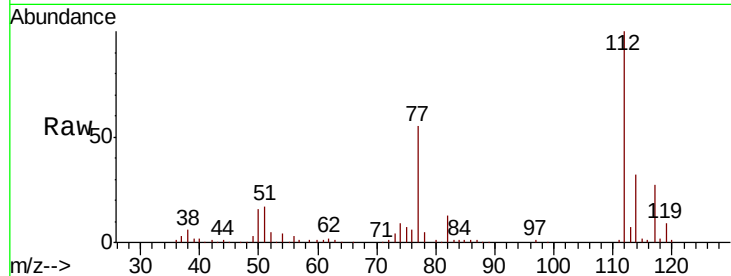
ClientSampleId :

Tot Ion:112 Resp: 177632

Ion Ratio Lower Upper

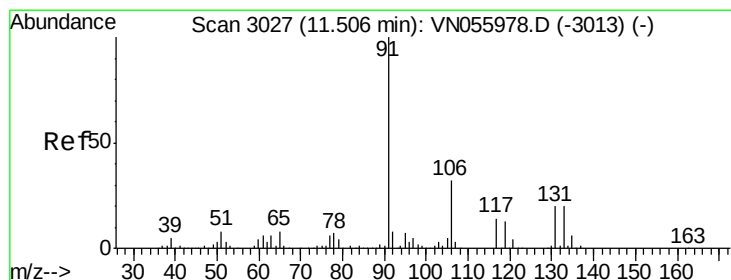
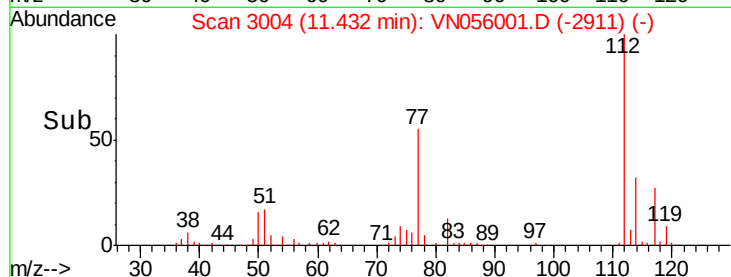
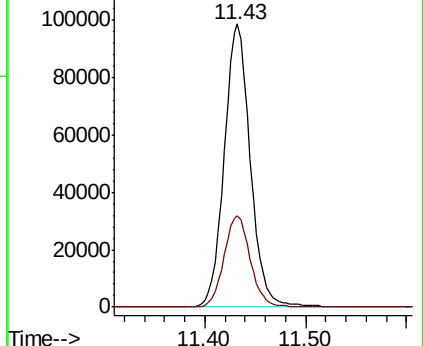
112 100

114 32.5 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.781 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

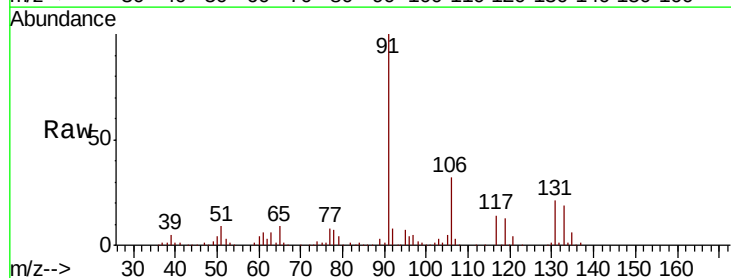
Tgt Ion:131 Resp: 62500

Ion Ratio Lower Upper

131 100

133 95.3 48.0 144.0

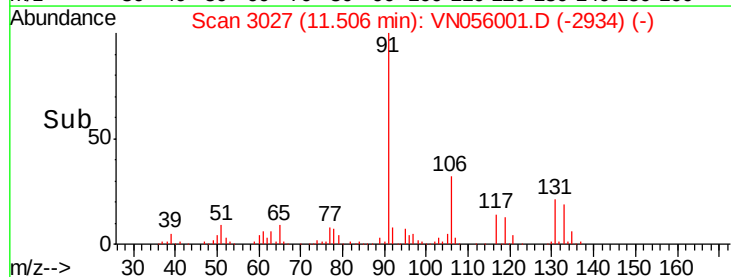
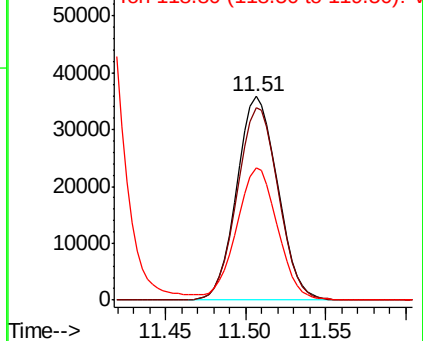
119 65.5 33.1 99.5

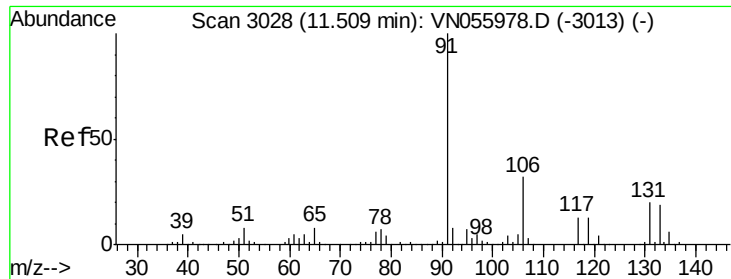


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

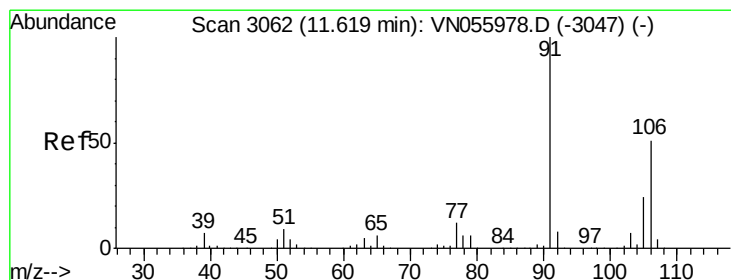
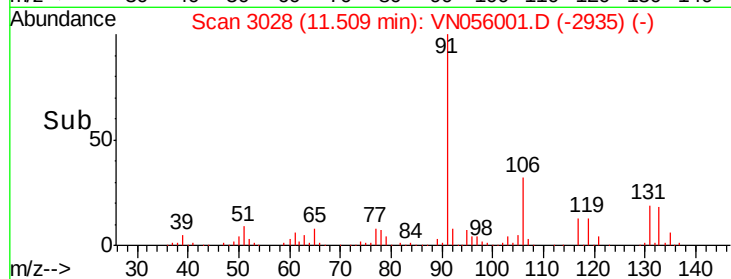
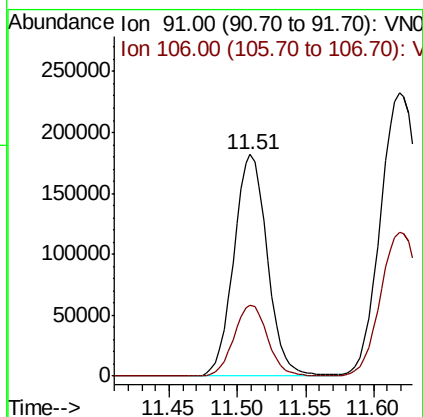
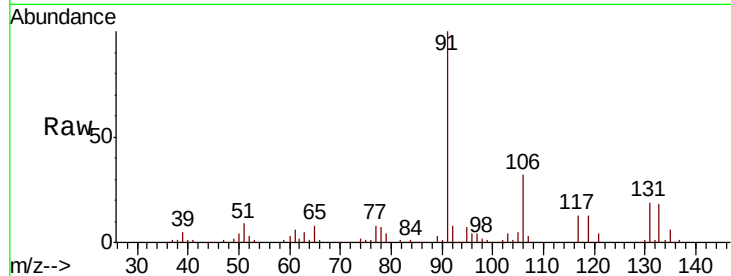




#67
Ethyl Benzene
Concen: 19.527 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

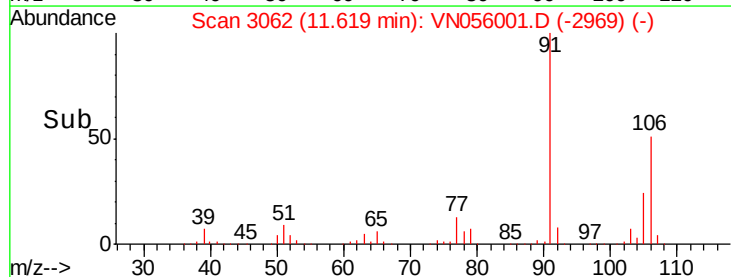
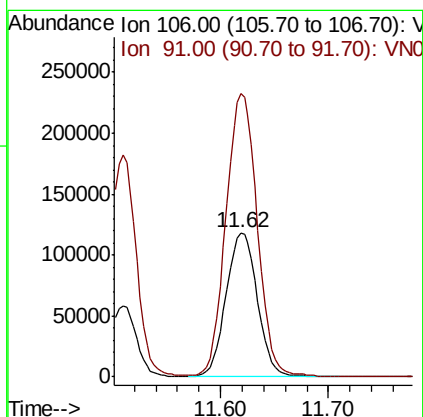
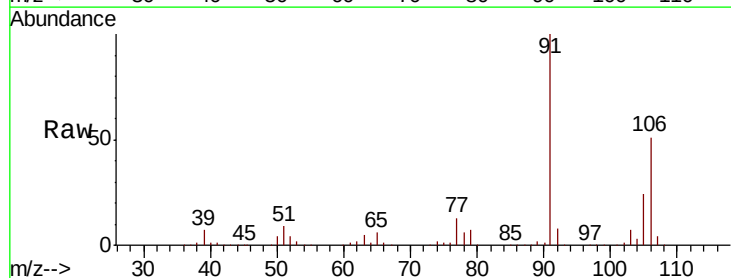
Instrument :
MSVOA_N
ClientSampleId :

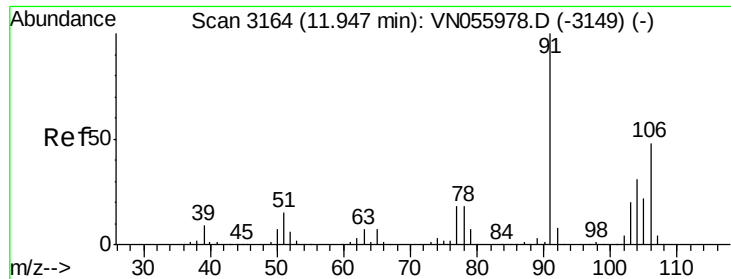
Tot Ion: 91 Resp: 310692
Ion Ratio Lower Upper
91 100
106 32.1 25.1 37.7



#68
m/p-Xylenes
Concen: 39.441 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Tgt Ion: 106 Resp: 239736
Ion Ratio Lower Upper
106 100
91 196.5 159.3 238.9

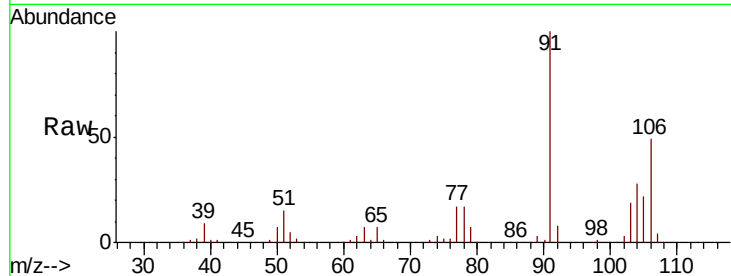




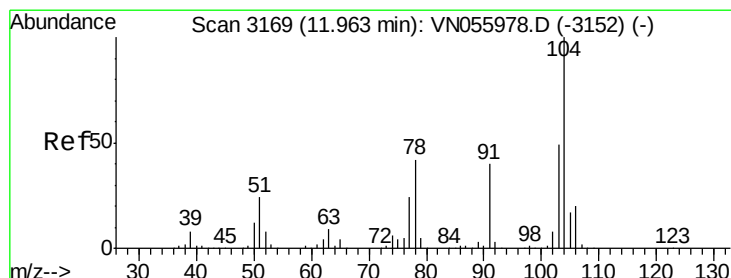
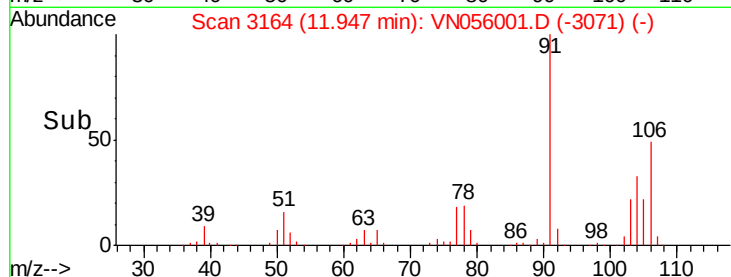
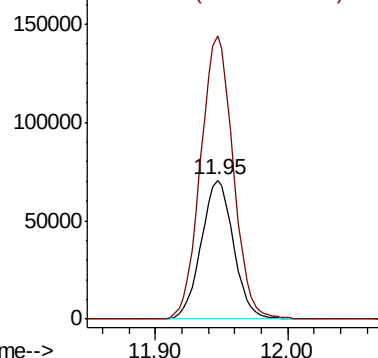
#69
o-Xylene
Concen: 19.990 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 119519
Ion Ratio Lower Upper
106 100
91 205.8 104.7 314.1

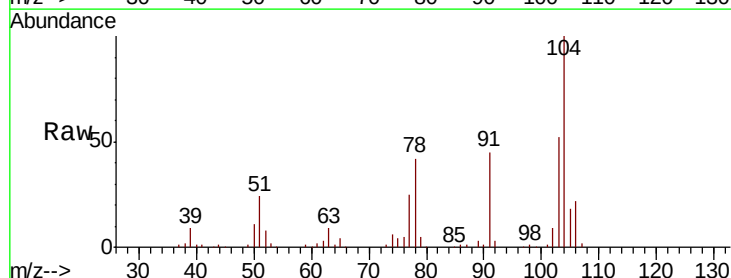


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

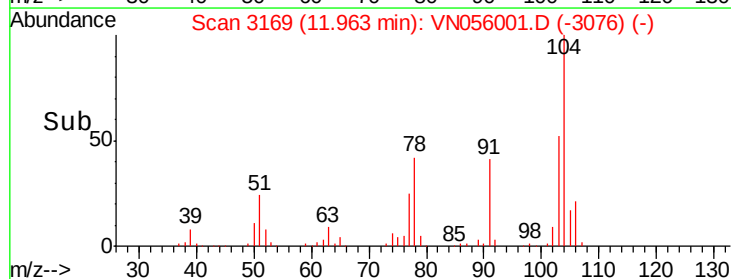
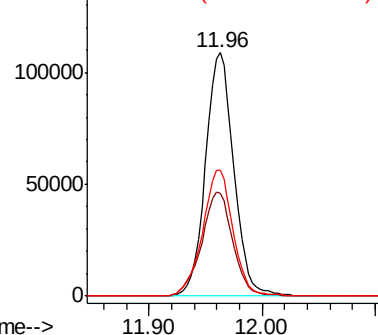


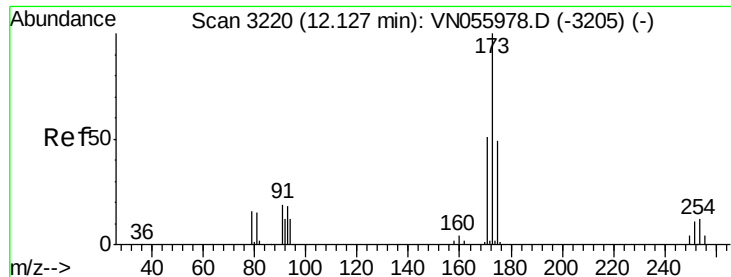
#70
Styrene
Concen: 19.946 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Tgt Ion:104 Resp: 189484
Ion Ratio Lower Upper
104 100
78 47.3 37.8 56.6
103 55.6 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.051 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

ClientSampleId :

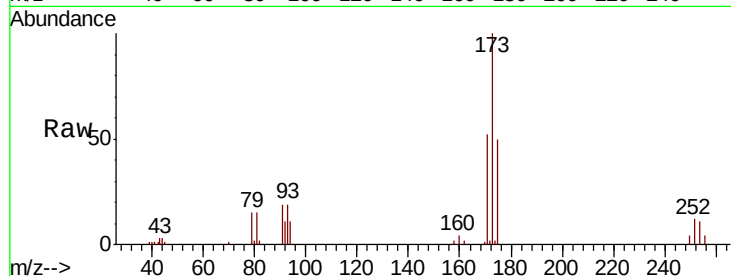
Tot Ion:173 Resp: 42964

Ion Ratio Lower Upper

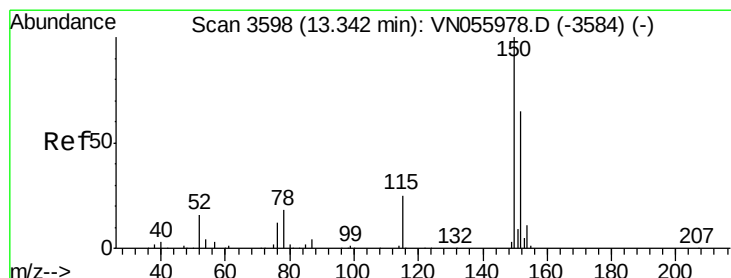
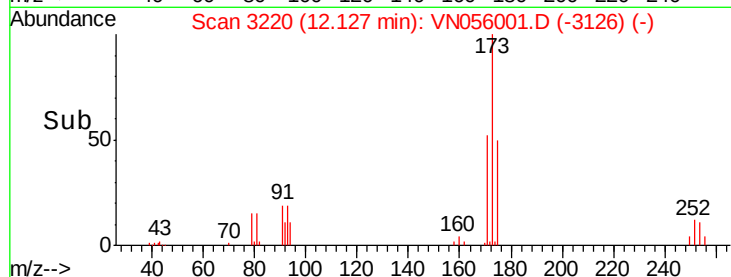
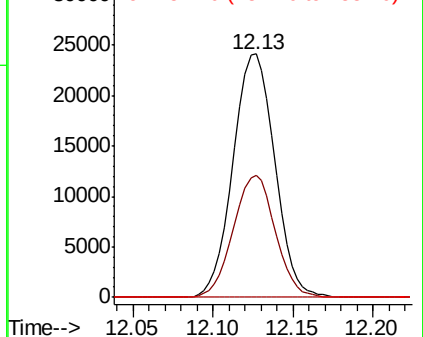
173 100

175 50.3 24.3 72.8

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

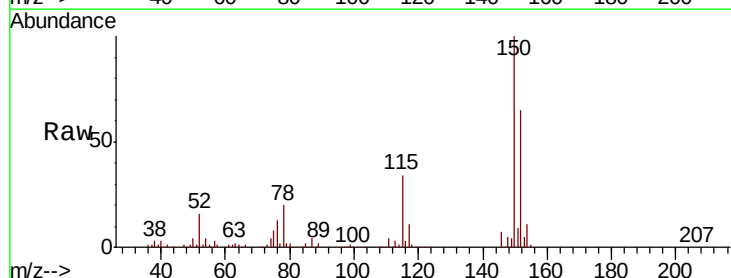
Tgt Ion:152 Resp: 190696

Ion Ratio Lower Upper

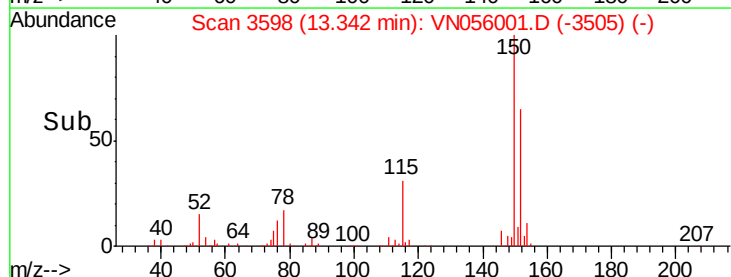
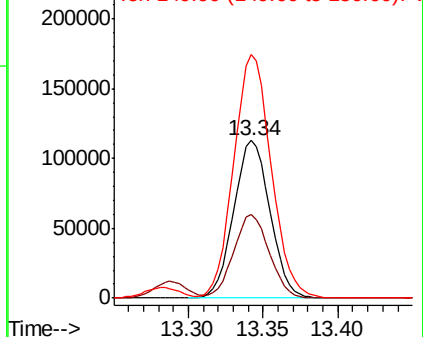
152 100

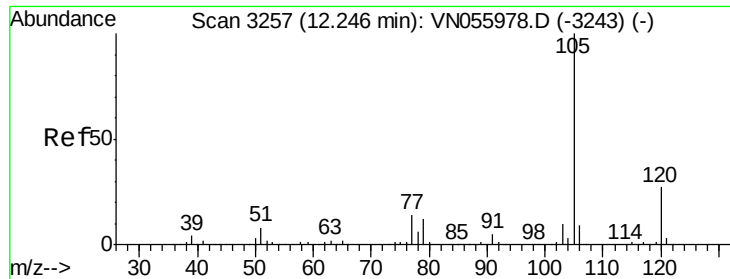
115 52.1 27.0 81.0

150 159.9 0.0 343.2



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





#73

Isopropylbenzene

Concen: 21.570 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

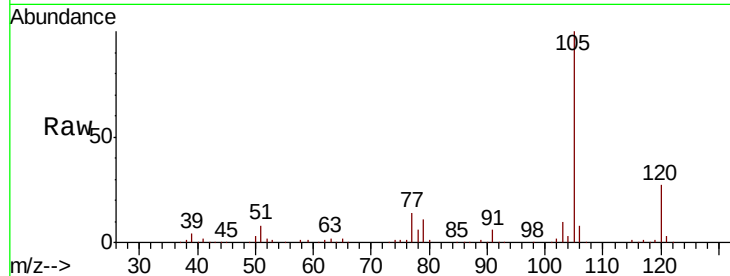
ClientSampleId :

Tot Ion:105 Resp: 311895

Ion Ratio Lower Upper

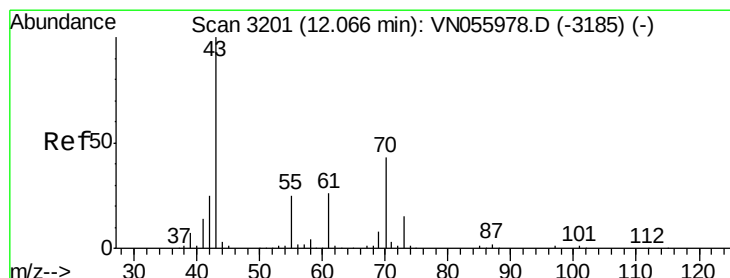
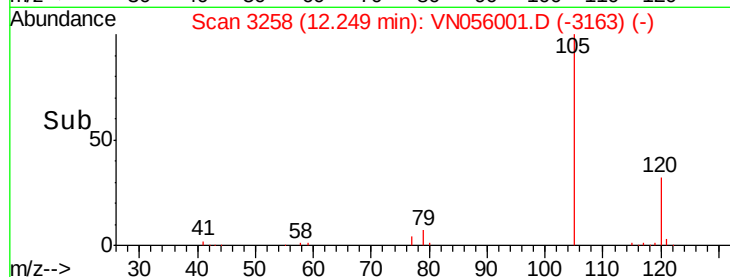
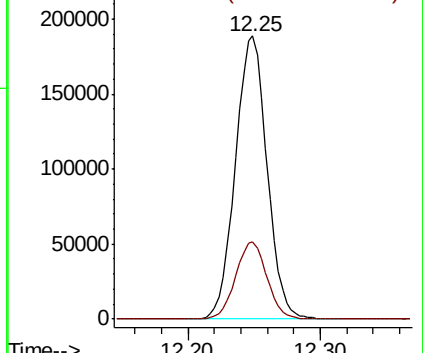
105 100

120 26.9 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.115 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Tgt Ion: 43 Resp: 107334

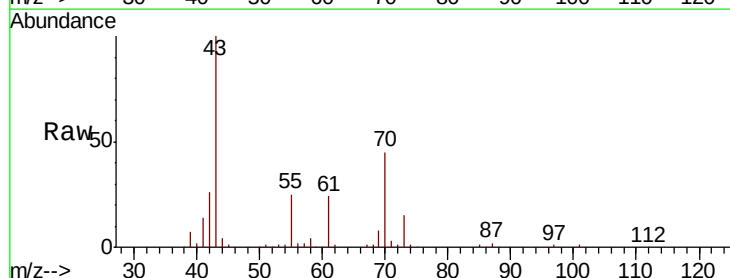
Ion Ratio Lower Upper

43 100

70 44.4 34.0 51.0

55 25.1 18.6 28.0

61 24.4 20.0 30.0

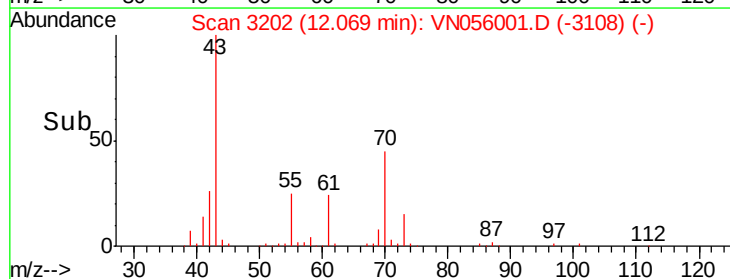
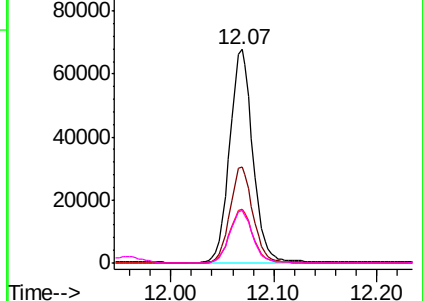


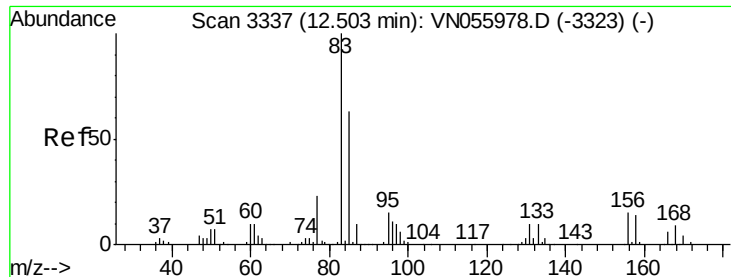
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.468 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

ClientSampled :

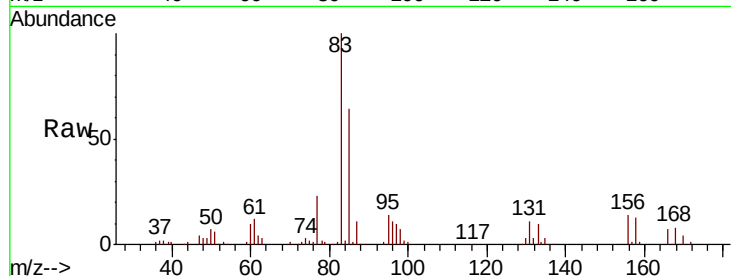
Tot Ion: 83 Resp: 90608

Ion Ratio Lower Upper

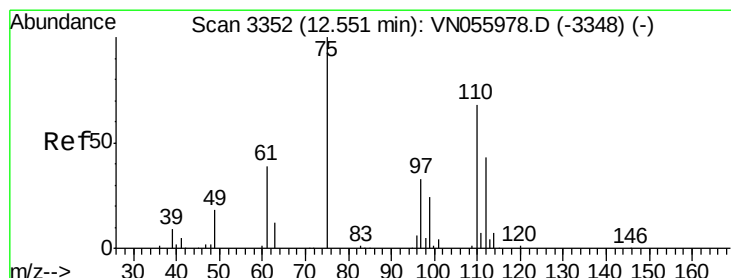
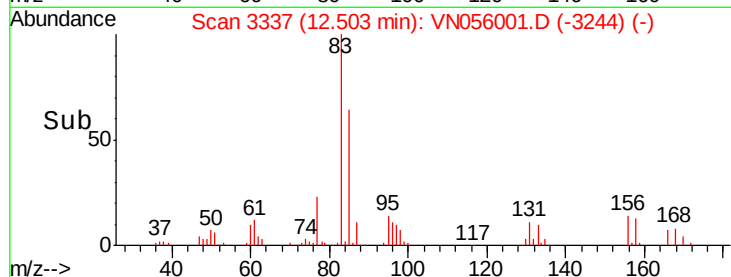
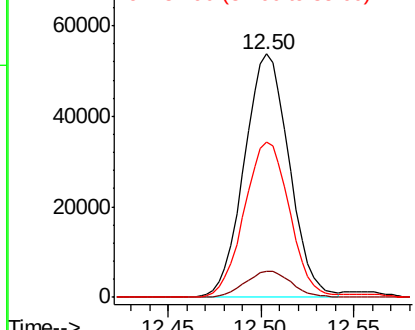
83 100

131 11.1 5.4 16.2

85 64.5 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 30.049 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056001.D

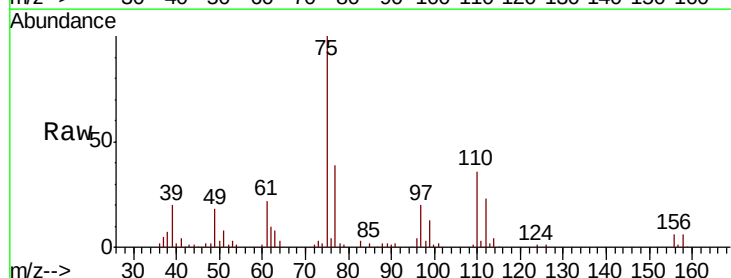
Acq: 5 Jun 2019 11:36

Tgt Ion: 75 Resp: 105439

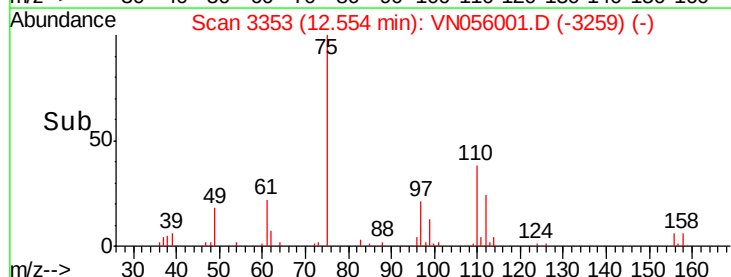
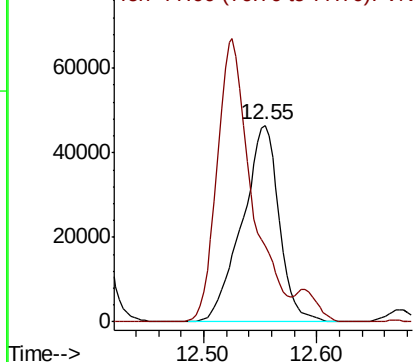
Ion Ratio Lower Upper

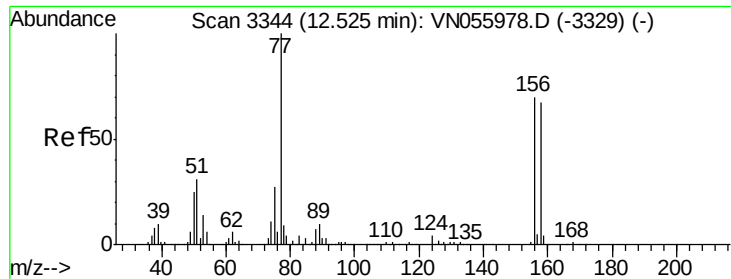
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.062 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

ClientSampleId :

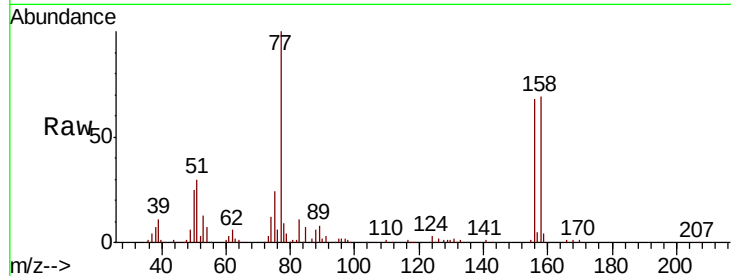
Tot Ion:156 Resp: 81910

Ion Ratio Lower Upper

156 100

77 174.9 90.8 272.5

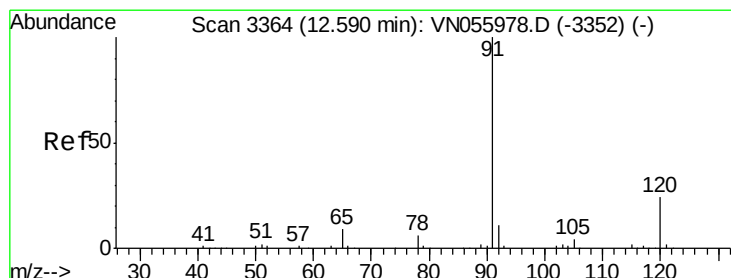
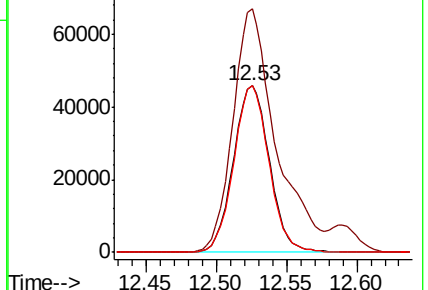
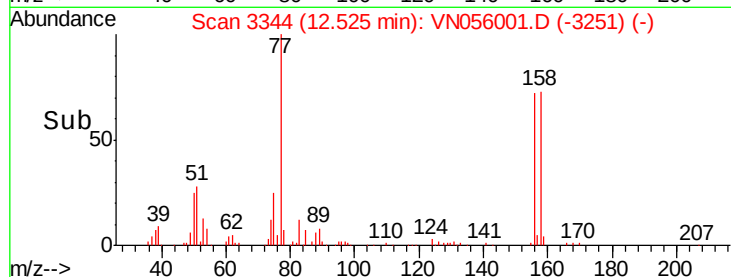
158 98.0 49.3 147.8



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: 19.904 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056001.D

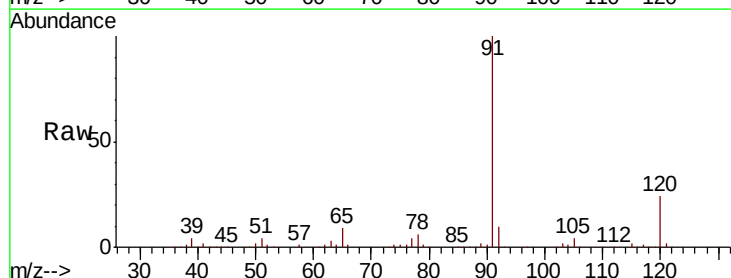
Acq: 5 Jun 2019 11:36

Tgt Ion: 91 Resp: 321111

Ion Ratio Lower Upper

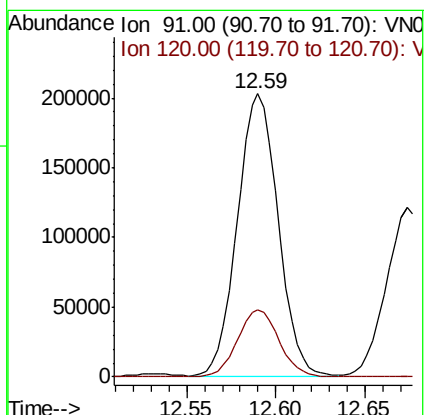
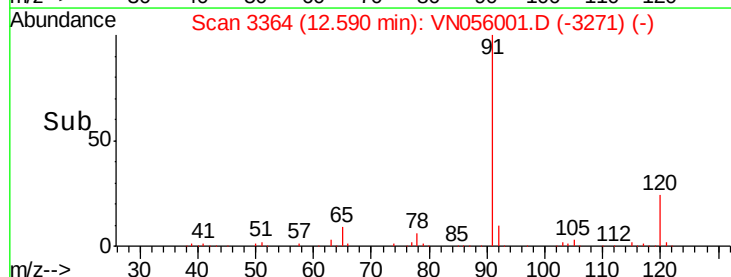
91 100

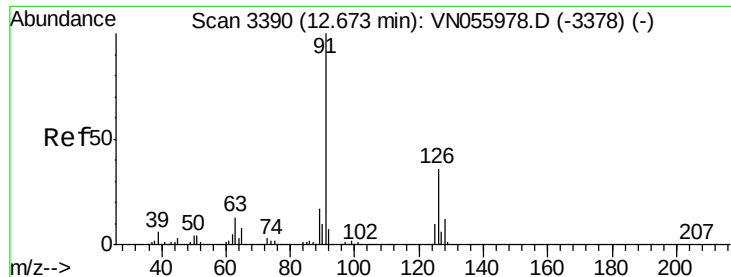
120 24.1 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.770 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

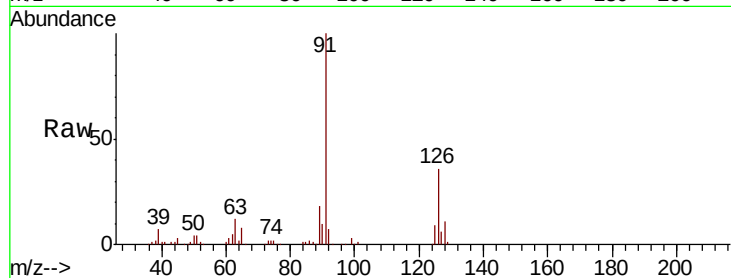
ClientSampled :

Tot Ion: 91 Resp: 198005

Ion Ratio Lower Upper

91 100

126 36.5 18.1 54.4



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

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

200000

150000

100000

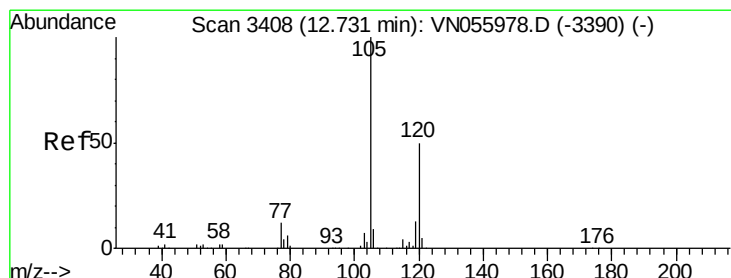
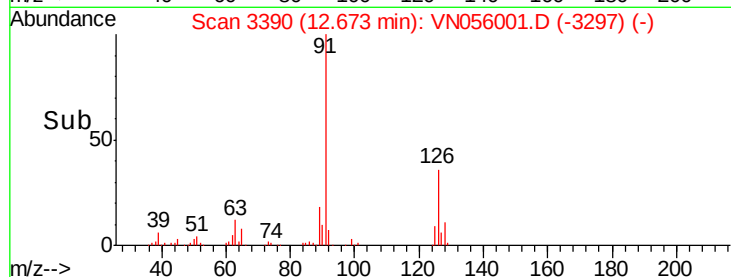
50000

0

12.60 12.65 12.70

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.799 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056001.D

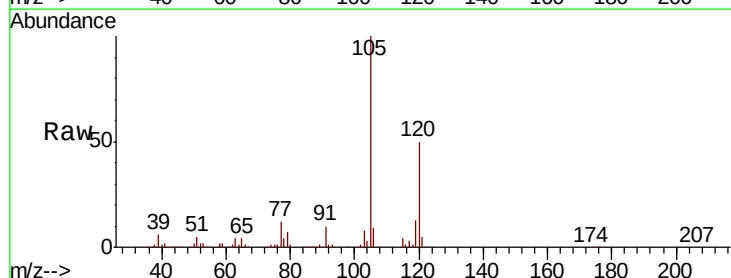
Acq: 5 Jun 2019 11:36

Tgt Ion: 105 Resp: 253856

Ion Ratio Lower Upper

105 100

120 49.9 24.7 74.1



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

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

150000

100000

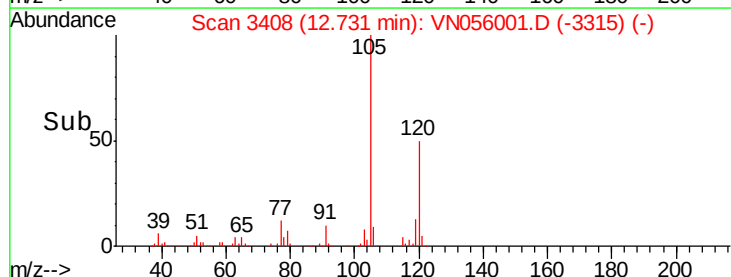
50000

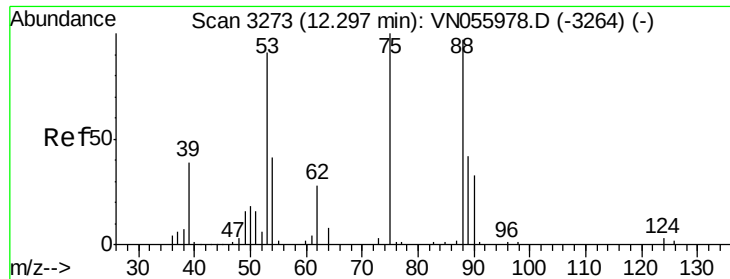
0

12.65 12.70 12.75 12.80

12.73

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.461 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

ClientSampled :

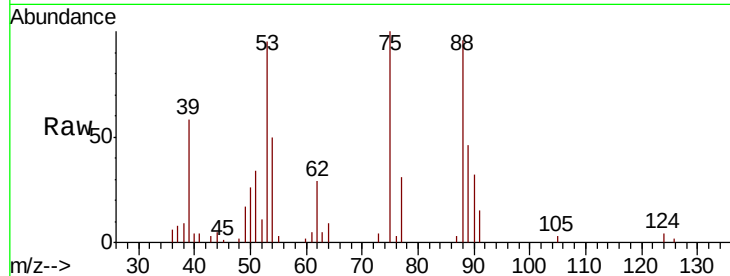
Tot Ion: 75 Resp: 20505

Ion Ratio Lower Upper

75 100

53 99.1 68.1 102.1

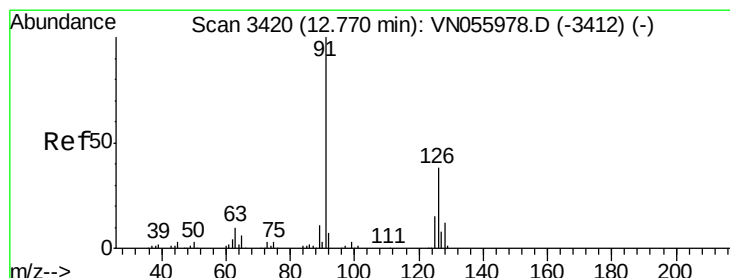
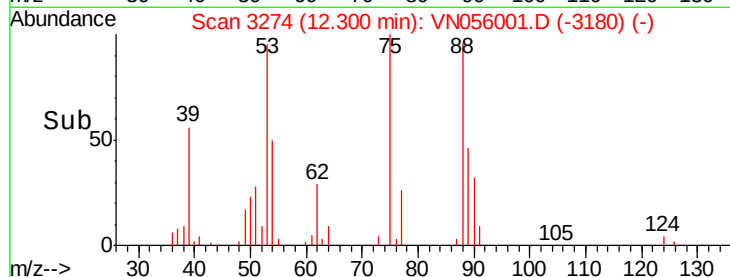
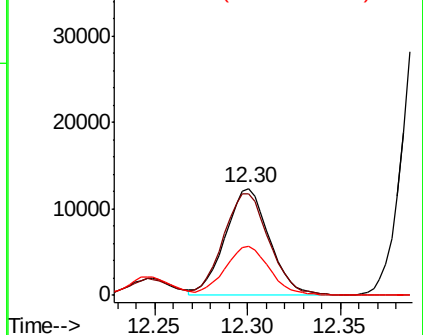
89 46.3 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.714 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056001.D

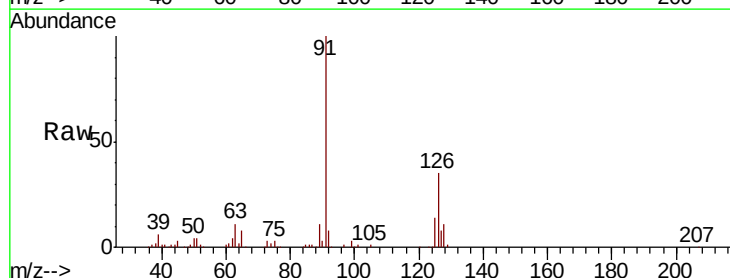
Acq: 5 Jun 2019 11:36

Tgt Ion: 91 Resp: 186065

Ion Ratio Lower Upper

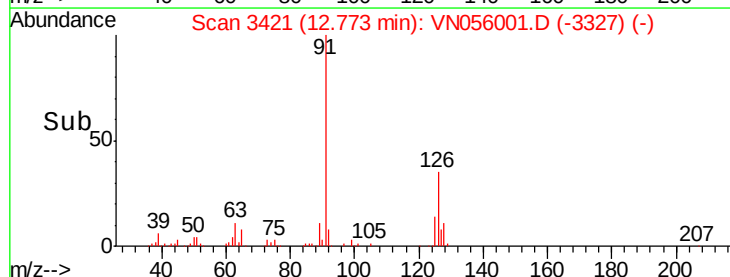
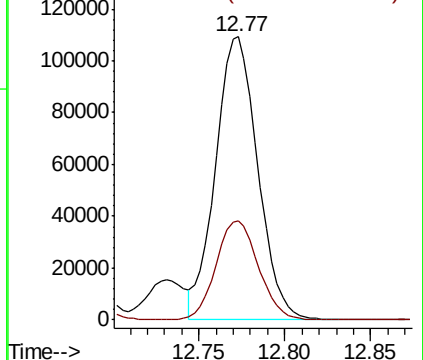
91 100

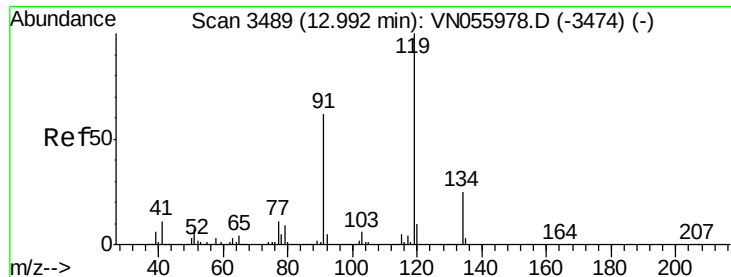
126 35.4 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

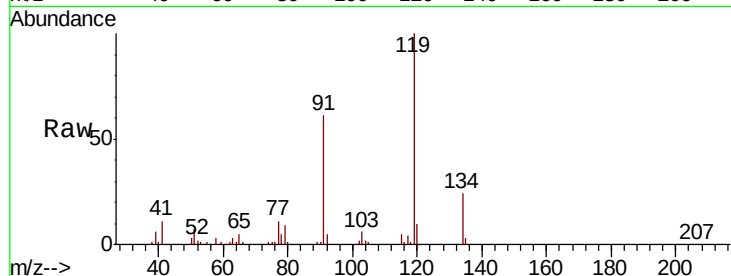




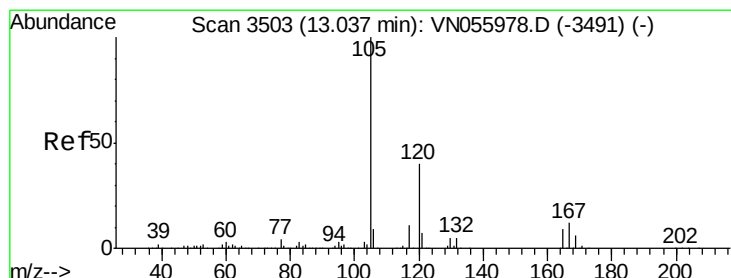
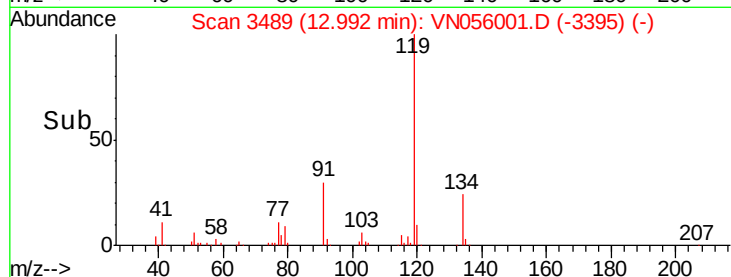
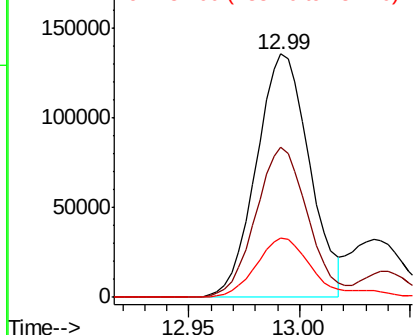
#83
 tert-Butylbenzene
 Concen: 21.267 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056001.D
 Acq: 5 Jun 2019 11:36

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:119 Resp: 227162
 Ion Ratio Lower Upper
 119 100
 91 60.1 30.9 92.8
 134 26.6 13.3 39.8

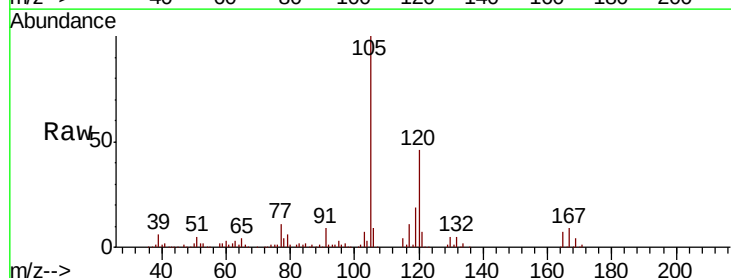


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

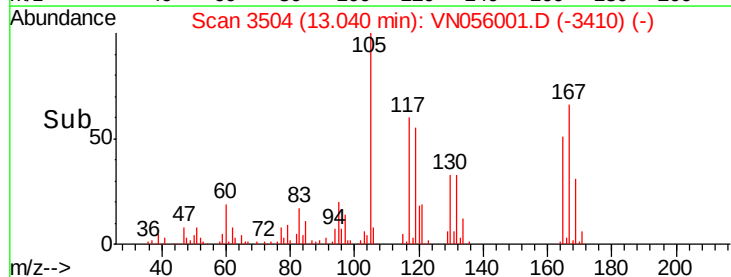
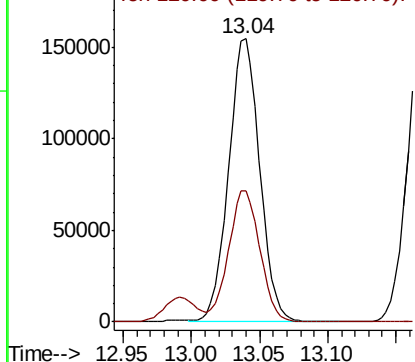


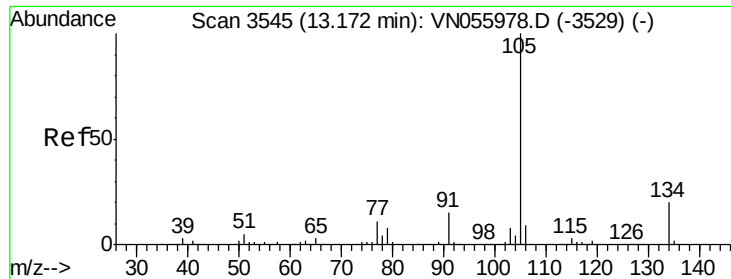
#84
 1,2,4-Trimethylbenzene
 Concen: 20.123 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056001.D
 Acq: 5 Jun 2019 11:36

Tgt Ion:105 Resp: 244673
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.0 69.0



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





#85

sec-Butylbenzene

Concen: 19.843 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

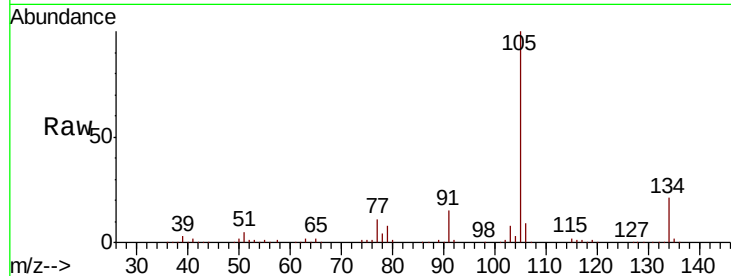
ClientSampleId :

Tot Ion:105 Resp: 283499

Ion Ratio Lower Upper

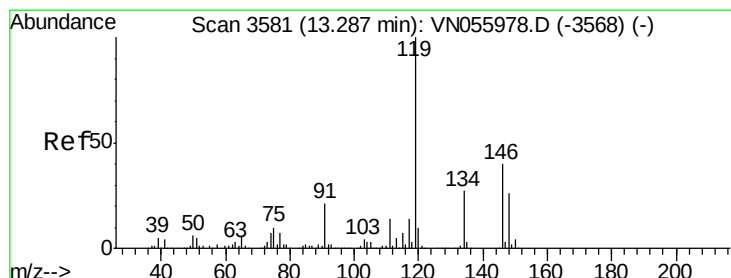
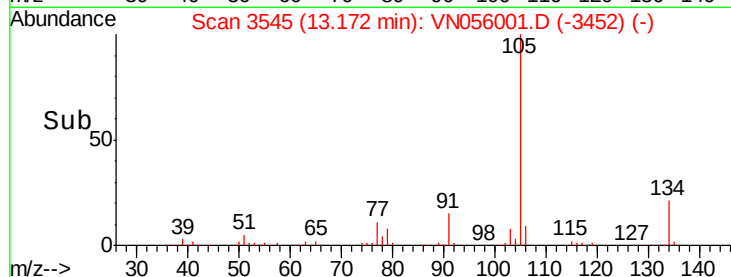
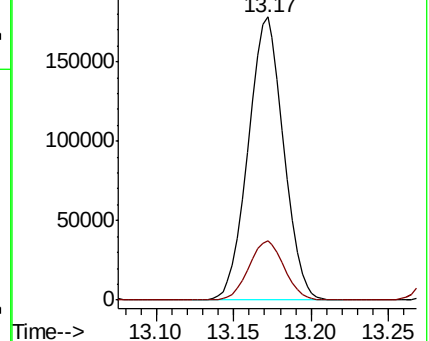
105 100

134 20.9 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.651 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

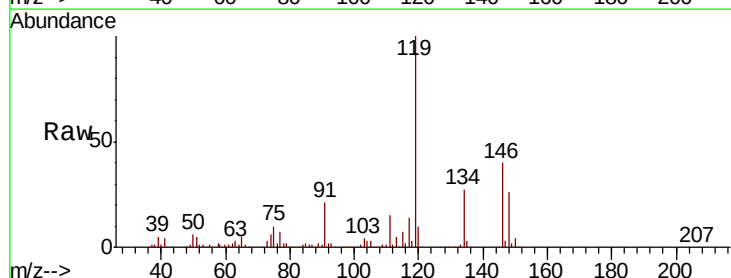
Tgt Ion:119 Resp: 251268

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

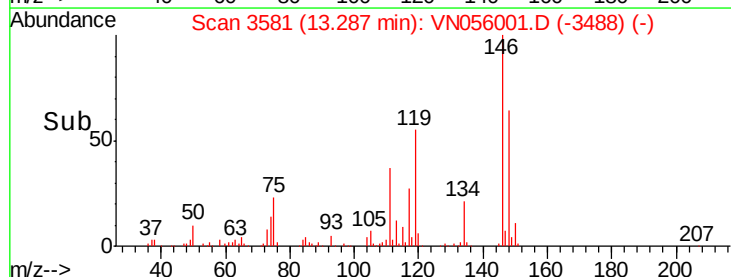
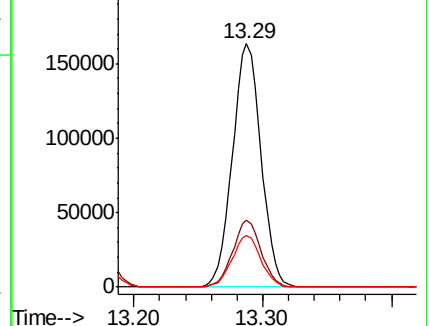
91 21.3 10.9 32.9

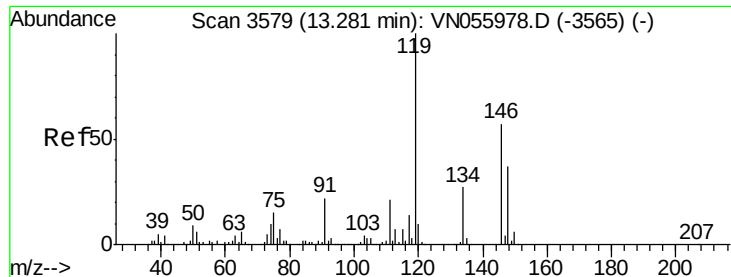


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

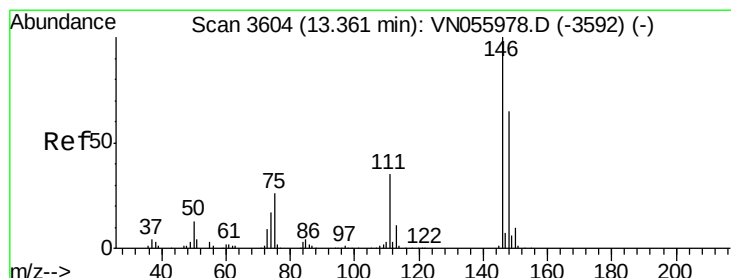
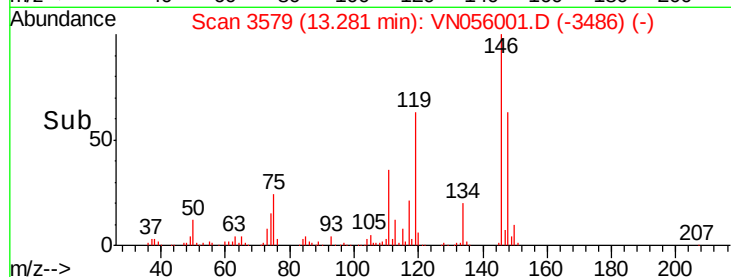
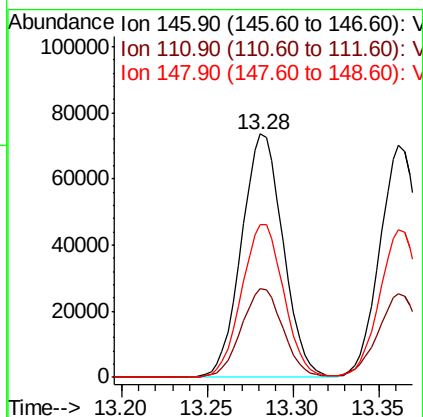
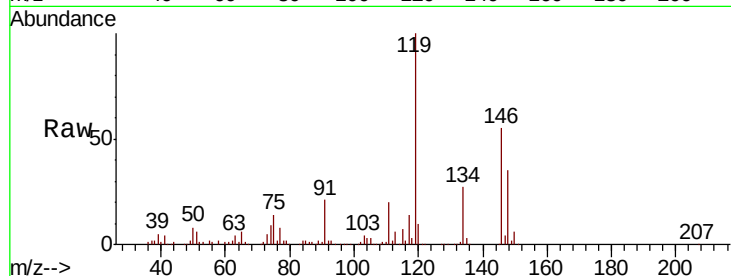




#87
 1,3-Dichlorobenzene
 Concen: 19.585 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056001.D
 Acq: 5 Jun 2019 11:36

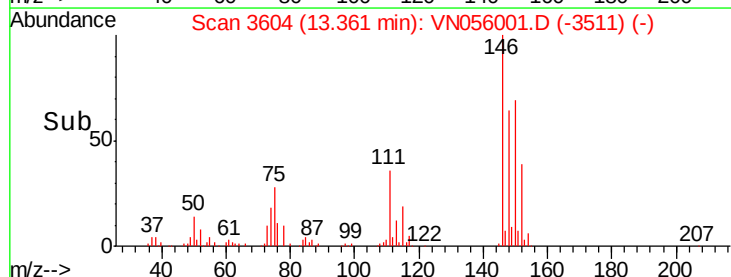
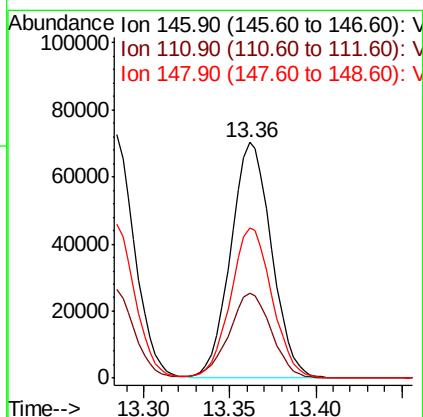
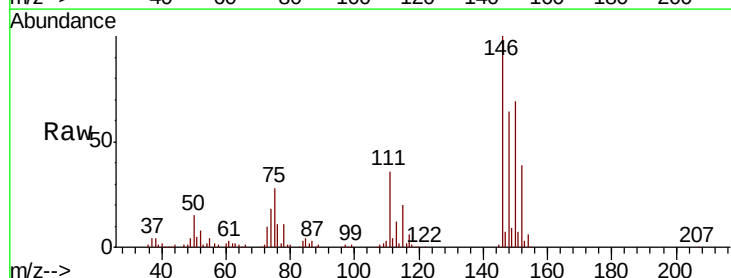
Instrument :
 MSVOA_N
 ClientSampled :

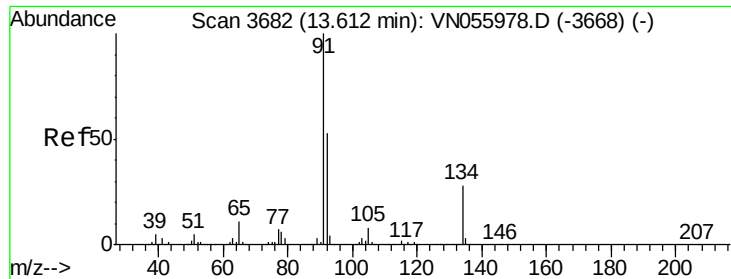
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.5	55.5
148	63.6	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.184 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056001.D
 Acq: 5 Jun 2019 11:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.1	54.4
148	64.7	32.1	96.5

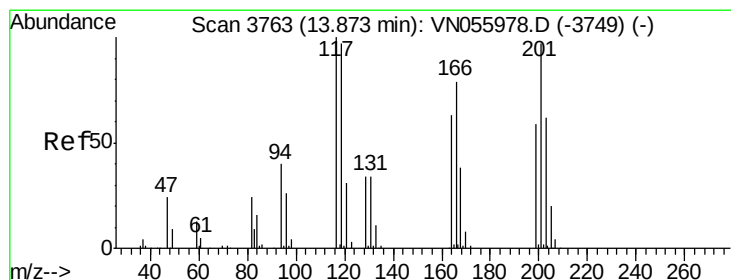
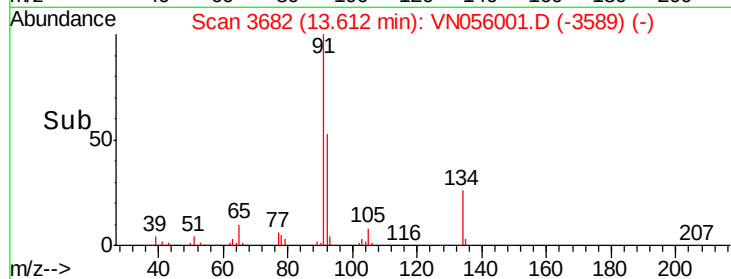
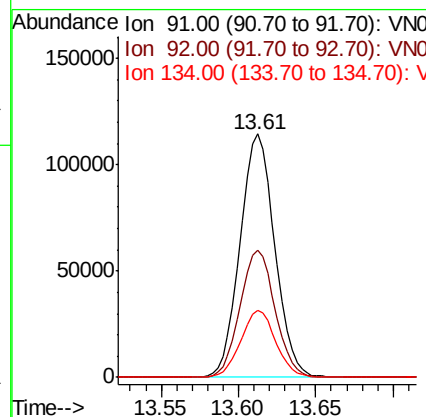
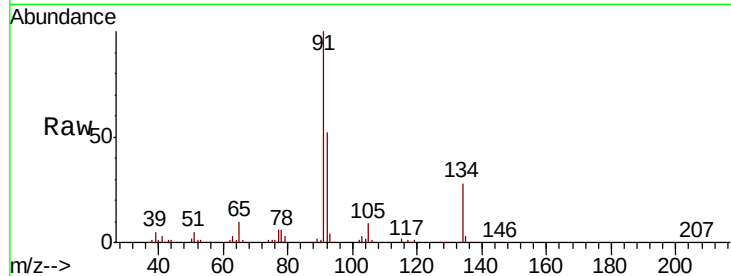




#89
n-Butylbenzene
Concen: 18.845 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

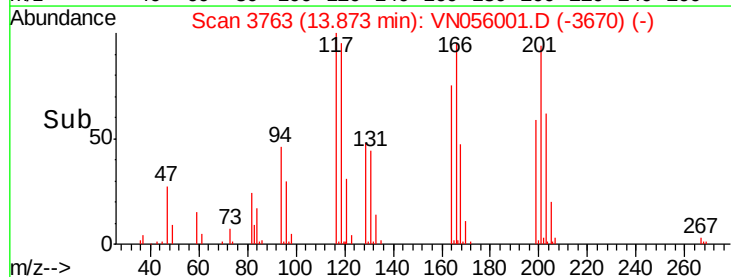
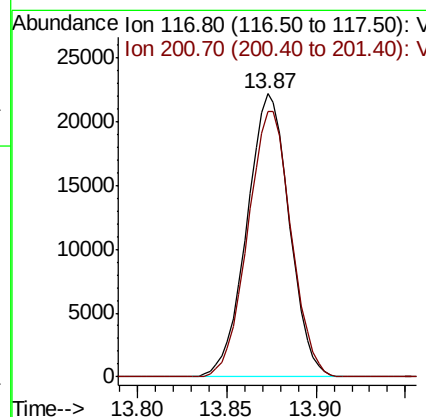
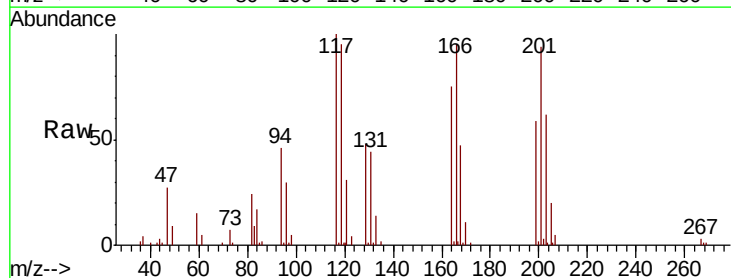
Instrument :
MSVOA_N
ClientSampled :

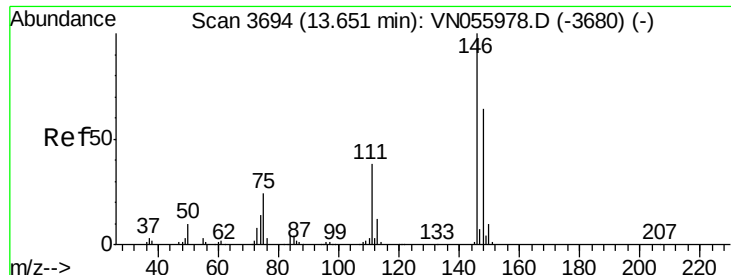
Tot Ion: 91 Resp: 178497
Ion Ratio Lower Upper
91 100
92 52.6 26.4 79.0
134 27.6 13.9 41.7



#90
Hexachloroethane
Concen: 19.092 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Tgt Ion: 117 Resp: 36816
Ion Ratio Lower Upper
117 100
201 95.5 50.0 150.0

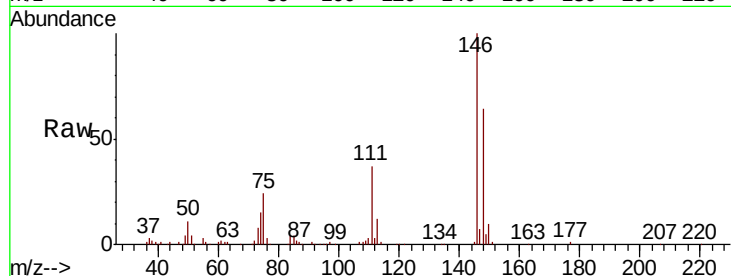




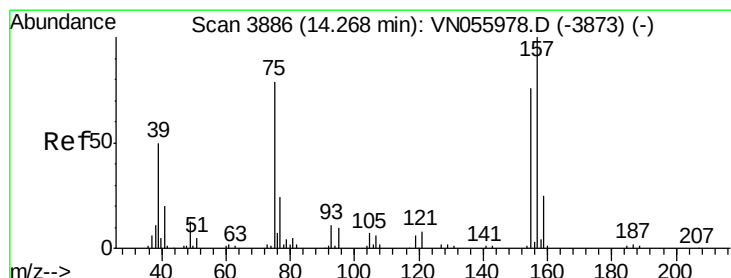
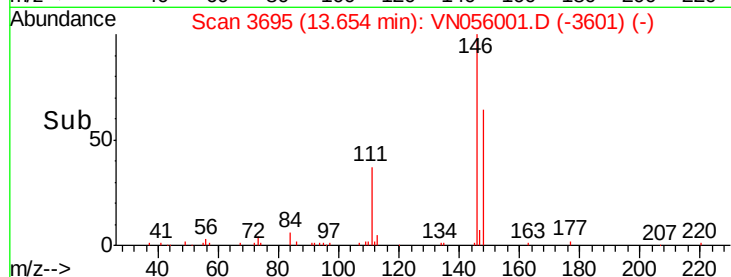
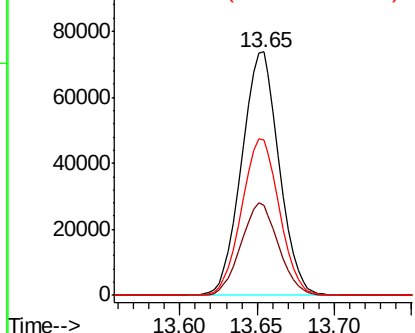
#91
 1,2-Dichlorobenzene
 Concen: 19.501 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN056001.D
 Acq: 5 Jun 2019 11:36

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.5
148	64.6	31.9	95.9

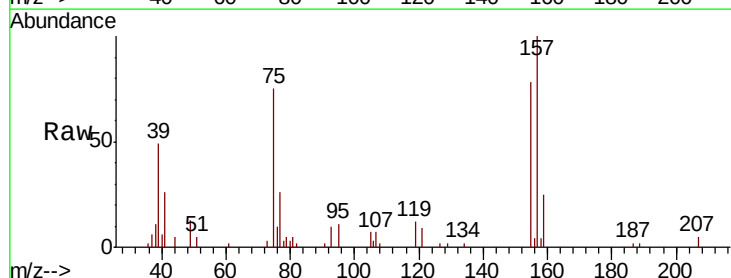


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

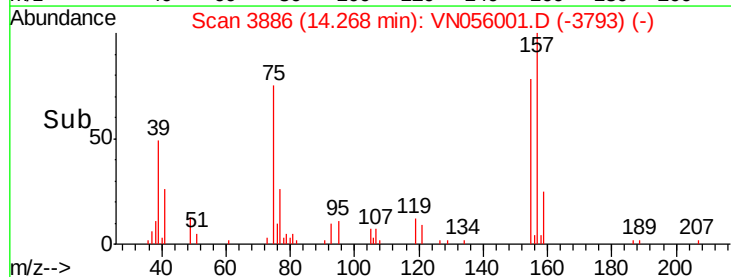
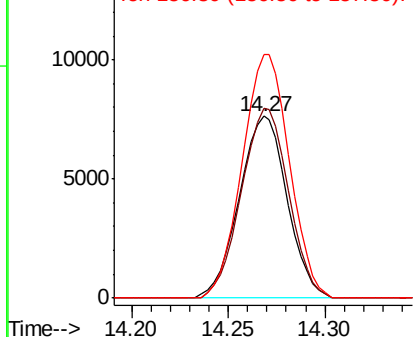


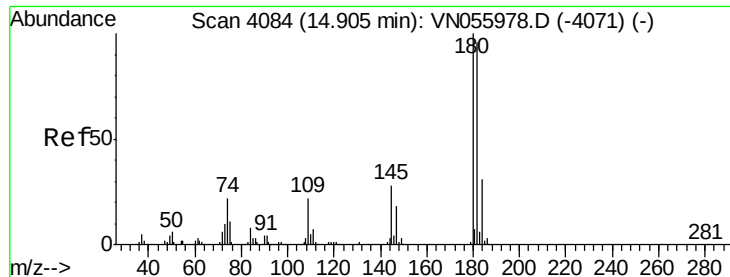
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.719 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056001.D
 Acq: 5 Jun 2019 11:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.8	50.0	150.1
157	132.4	64.8	194.3



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

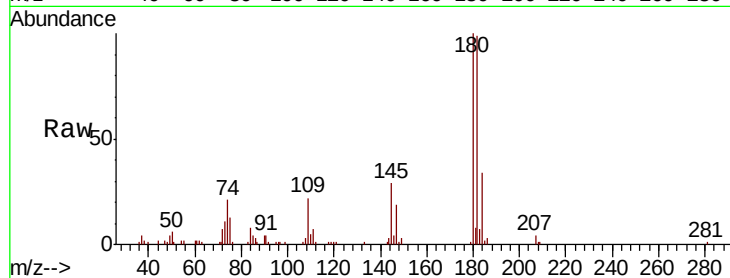




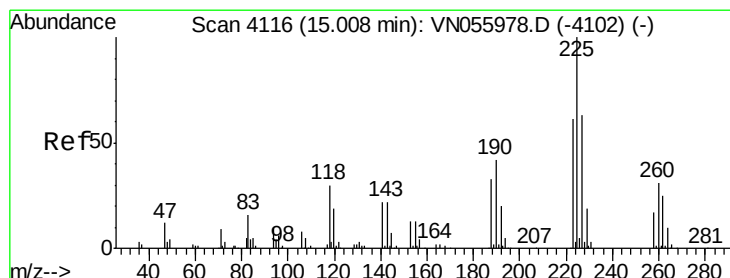
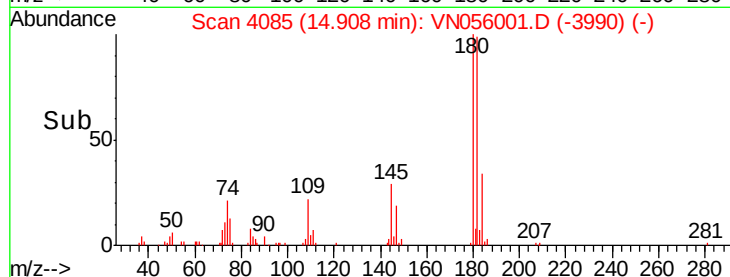
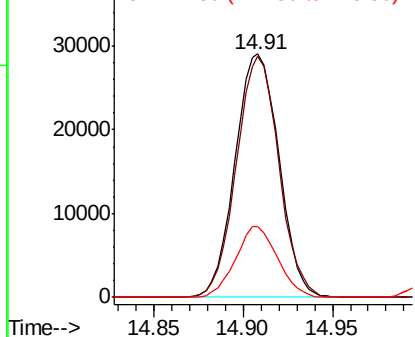
#93
 1,2,4-Trichlorobenzene
 Concen: 17.188 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056001.D
 Acq: 5 Jun 2019 11:36

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 49654
 Ion Ratio Lower Upper
 180 100
 182 95.9 48.3 144.9
 145 28.0 14.0 41.9

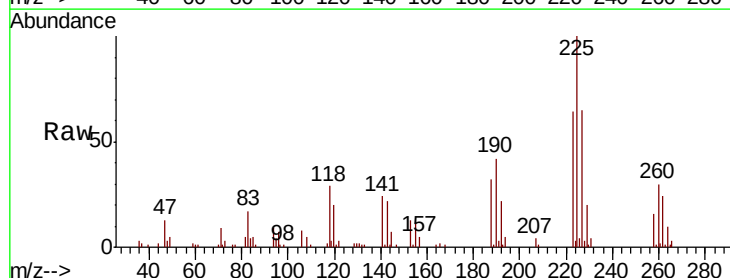


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

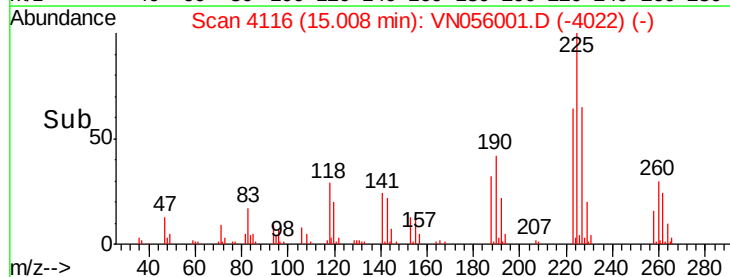
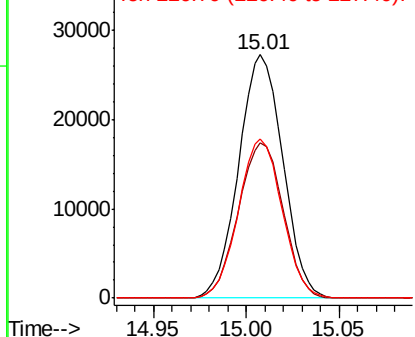


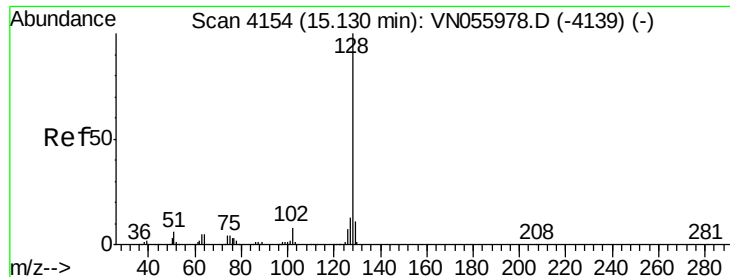
#94
 Hexachlorobutadiene
 Concen: 19.347 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056001.D
 Acq: 5 Jun 2019 11:36

Tgt Ion:225 Resp: 45130
 Ion Ratio Lower Upper
 225 100
 223 64.6 30.9 92.7
 227 64.7 31.6 94.7



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





#95

Naphthalene

Concen: 17.827 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

ClientSampled :

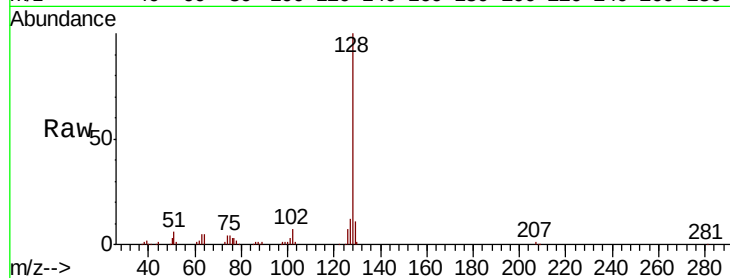
Tot Ion:128 Resp: 138116

Ion Ratio Lower Upper

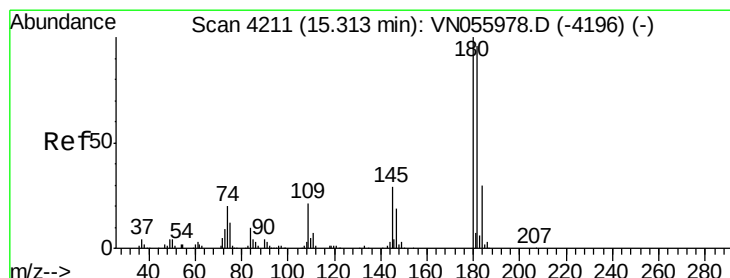
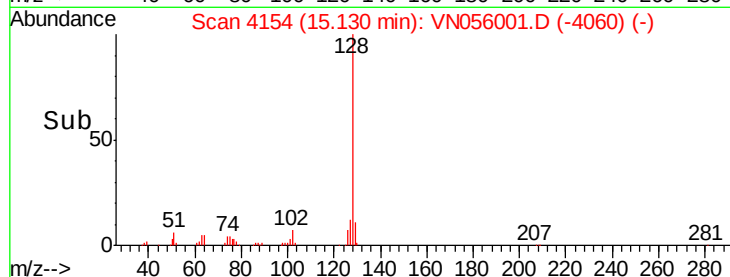
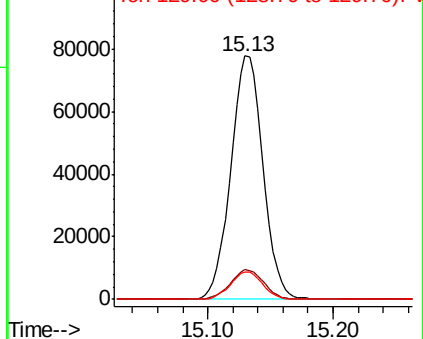
128 100

127 12.4 10.3 15.5

129 11.2 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.022 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

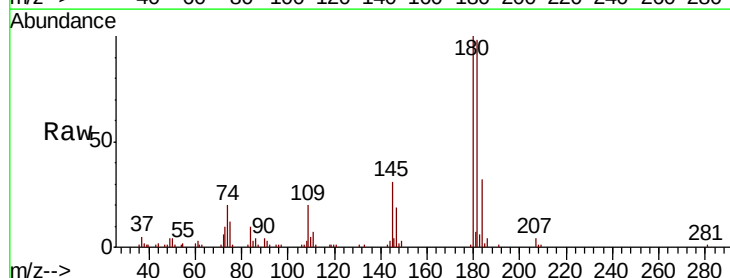
Tgt Ion:180 Resp: 57174

Ion Ratio Lower Upper

180 100

182 97.2 47.9 143.7

145 30.7 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

