

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056121.D
 Acq On : 8 Jun 2019 00:46
 Operator : JC/SP
 Sample : VN0608WBSD03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 08 05:16:14 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	290131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	427959	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	380947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	156145	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	152128	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
35) Dibromofluoromethane	7.59	113	133612	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
50) Toluene-d8	10.09	98	512530	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
62) 4-Bromofluorobenzene	12.40	95	168235	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	64777	20.534	ug/l	96
3) Chloromethane	2.06	50	69916	22.231	ug/l	99
4) Vinyl Chloride	2.18	62	66965	21.227	ug/l	99
5) Bromomethane	2.54	94	41159	20.653	ug/l	99
6) Chloroethane	2.69	64	38111	20.836	ug/l	99
7) Trichlorofluoromethane	3.00	101	81592	20.259	ug/l	100
8) Diethyl Ether	3.40	74	33066	19.965	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	50267	20.547	ug/l	99
10) Methyl Iodide	3.94	142	74824	19.246	ug/l	98
11) Tert butyl alcohol	4.82	59	49527	98.794	ug/l	100
12) 1,1-Dichloroethene	3.72	96	49511	20.328	ug/l	96
13) Acrolein	3.60	56	10852	75.057	ug/l	98
14) Allyl chloride	4.31	41	73443	19.096	ug/l	99
15) Acrylonitrile	4.99	53	140150	114.845	ug/l	99
16) Acetone	3.82	43	115847	84.083	ug/l	100
17) Carbon Disulfide	4.04	76	98130	16.827	ug/l	99
18) Methyl Acetate	4.33	43	66369	24.225	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	161736	20.833	ug/l	100
20) Methylene Chloride	4.54	84	59816	21.073	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	53290	20.420	ug/l	99
22) Diisopropyl ether	5.96	45	169244	21.288	ug/l	100
23) Vinyl Acetate	5.90	43	645896	103.166	ug/l	100
24) 1,1-Dichloroethane	5.84	63	96571	21.058	ug/l	99
25) 2-Butanone	6.84	43	184445	105.956	ug/l	98
26) 2,2-Dichloropropane	6.82	77	46525	13.001	ug/l	96
27) cis-1,2-Dichloroethene	6.82	96	63869	20.821	ug/l	95
28) Bromochloromethane	7.19	49	43792	20.193	ug/l	100
29) Tetrahydrofuran	7.22	42	121748	113.144	ug/l	100
30) Chloroform	7.37	83	97424	21.118	ug/l	100
31) Cyclohexane	7.65	56	90464	19.790	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	76863	19.952	ug/l	100
36) 1,1-Dichloropropene	7.79	75	71376	19.396	ug/l	99
37) Ethyl Acetate	6.94	43	73001	22.296	ug/l	100
38) Carbon Tetrachloride	7.77	117	63951	18.850	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	85750	18.706	ug/l	99
40) Benzene	8.04	78	231217	20.688	ug/l	99
41) Methacrylonitrile	7.17	41	24992	16.590	ug/l #	61
42) 1,2-Dichloroethane	8.12	62	73789	20.525	ug/l	99
43) Isopropyl Acetate	8.17	43	108927	20.530	ug/l #	92
44) Trichloroethene	8.83	130	63069	19.638	ug/l	98
45) 1,2-Dichloropropane	9.12	63	59201	20.680	ug/l	99
46) Dibromomethane	9.21	93	38935	20.798	ug/l	98
47) Bromodichloromethane	9.40	83	66314	19.545	ug/l	98
48) Methyl methacrylate	9.20	41	55417	21.350	ug/l	99
49) 1,4-Dioxane	9.21	88	24851	443.467	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	364660	109.906	ug/l	100
52) Toluene	10.16	92	143393	20.618	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	62083	17.256	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	75770	18.579	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	57687	20.940	ug/l	99
56) Ethyl methacrylate	10.43	69	84118	20.930	ug/l	98
57) 1,3-Dichloropropane	10.71	76	94739	21.155	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	158492	108.418	ug/l	100
59) 2-Hexanone	10.75	43	252952	105.188	ug/l	100
60) Dibromochloromethane	10.90	129	50150	18.148	ug/l	99
61) 1,2-Dibromoethane	11.01	107	58109	20.633	ug/l	98
64) Tetrachloroethene	10.63	164	69870	21.189	ug/l	100
65) Chlorobenzene	11.43	112	153730	20.277	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	51475	19.663	ug/l	98
67) Ethyl Benzene	11.51	91	262816	19.936	ug/l	100
68) m/p-Xylenes	11.62	106	204161	40.539	ug/l	98
69) o-Xylene	11.95	106	100120	20.211	ug/l	99
70) Styrene	11.96	104	159416	20.254	ug/l	99
71) Bromoform	12.13	173	34105	17.409	ug/l #	98
73) Isopropylbenzene	12.25	105	263792	22.363	ug/l	100
74) N-amyl acetate	12.07	43	88509	21.265	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	78611	21.687	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	88922	30.949	ug/l #	100
77) Bromobenzene	12.53	156	69379	20.753	ug/l	97
78) n-propylbenzene	12.59	91	270232	20.457	ug/l	100
79) 2-Chlorotoluene	12.67	91	171703	22.140	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	216392	20.612	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	13015	15.085	ug/l #	76
82) 4-Chlorotoluene	12.77	91	158559	20.517	ug/l	98
83) tert-Butylbenzene	12.99	119	193246	22.207	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	206331	20.725	ug/l	98
85) sec-Butylbenzene	13.17	105	241098	20.609	ug/l	100
86) p-Isopropyltoluene	13.29	119	211952	20.244	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	105674	20.424	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	97912	19.672	ug/l	98
89) n-Butylbenzene	13.61	91	143874	18.550	ug/l	100
90) Hexachloroethane	13.87	117	28873	18.287	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	106595	20.406	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10355	19.973	ug/l	96

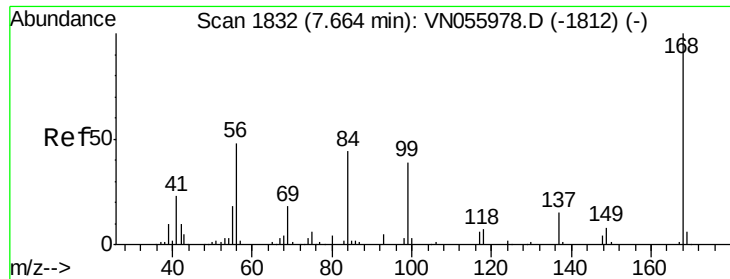
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	39680	16.877	ug/l	98
94) Hexachlorobutadiene	15.01	225	39456	20.805	ug/l	99
95) Naphthalene	15.13	128	114376	17.986	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	48920	18.696	ug/l	98

(#) = 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: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

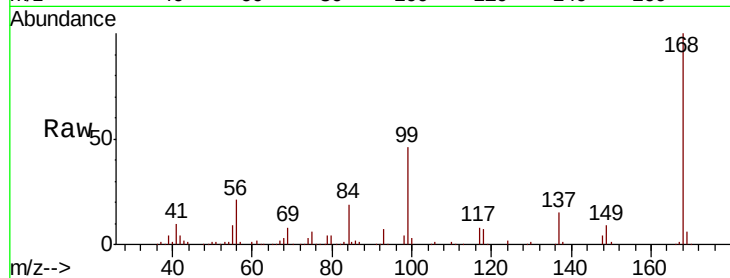
ClientSampleId :

Tot Ion:168 Resp: 290131

Ion Ratio Lower Upper

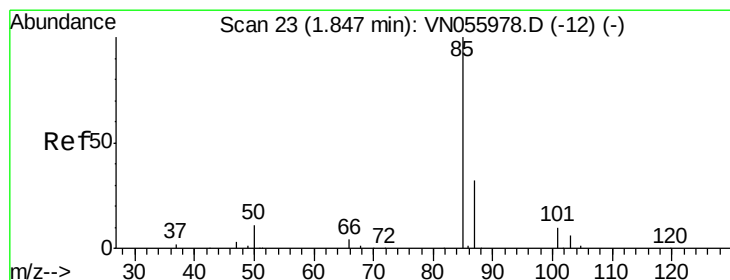
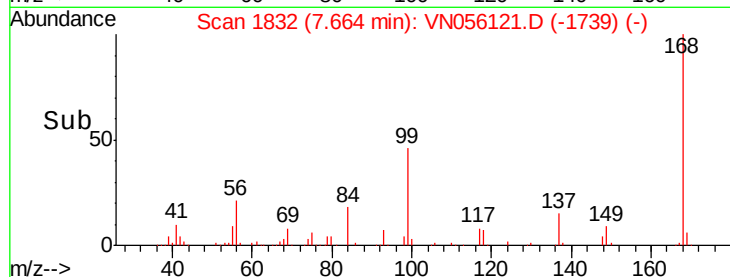
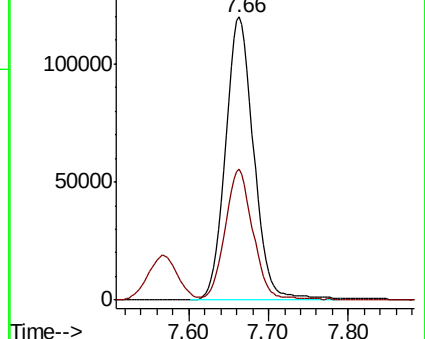
168 100

99 45.8 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 20.534 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056121.D

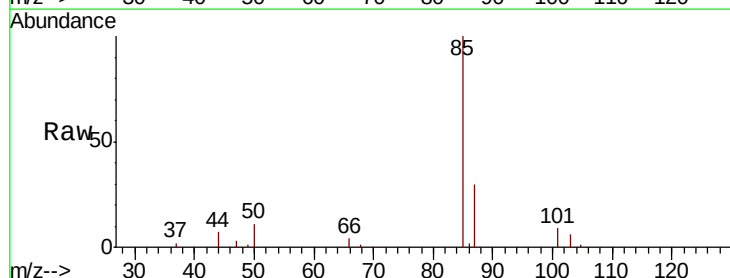
Acq: 8 Jun 2019 00:46

Tgt Ion: 85 Resp: 64777

Ion Ratio Lower Upper

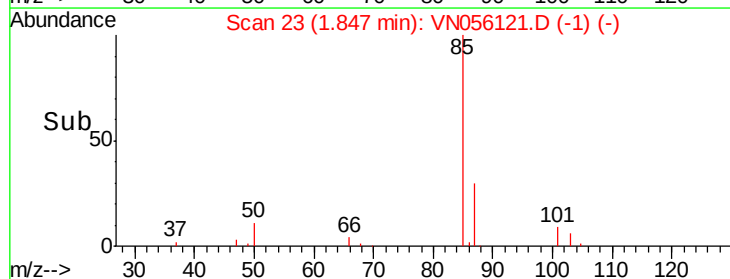
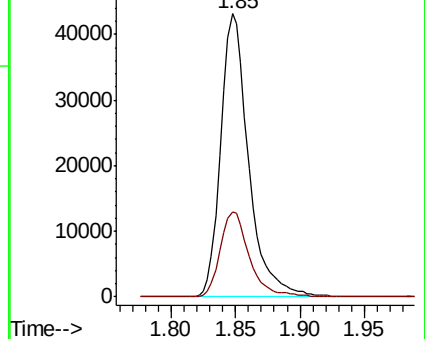
85 100

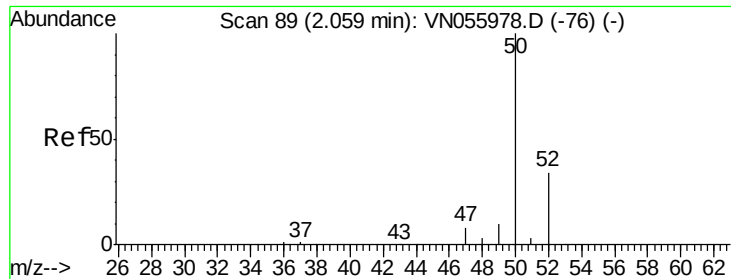
87 30.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 22.231 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

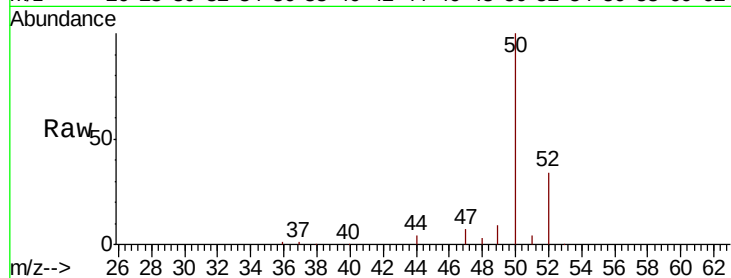
ClientSampleId :

Tot Ion: 50 Resp: 69916

Ion Ratio Lower Upper

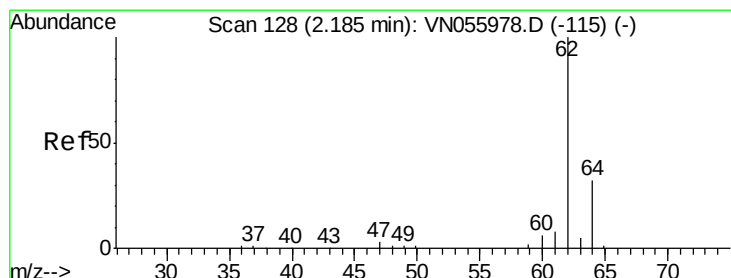
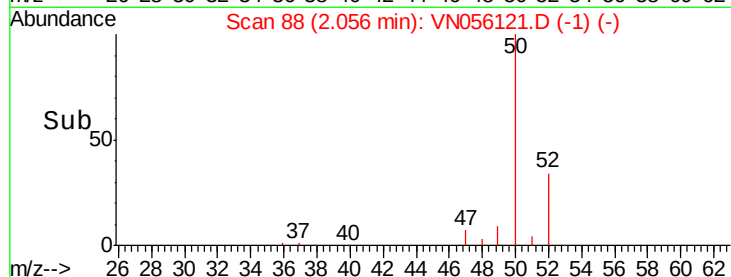
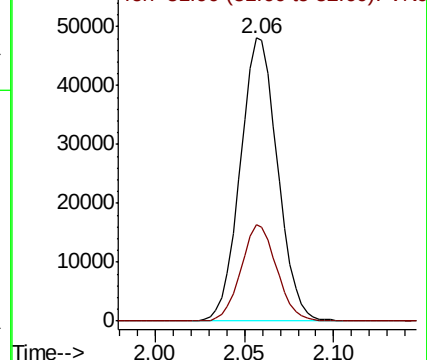
50 100

52 33.9 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: 21.227 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056121.D

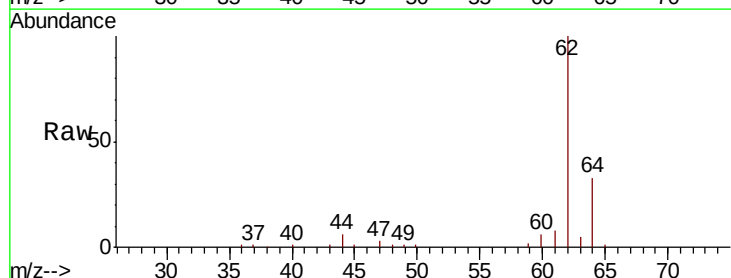
Acq: 8 Jun 2019 00:46

Tgt Ion: 62 Resp: 66965

Ion Ratio Lower Upper

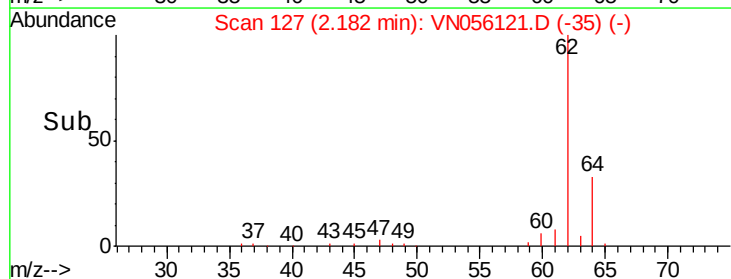
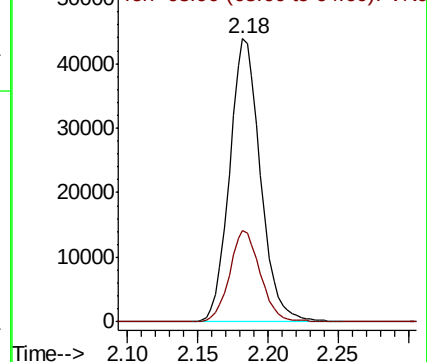
62 100

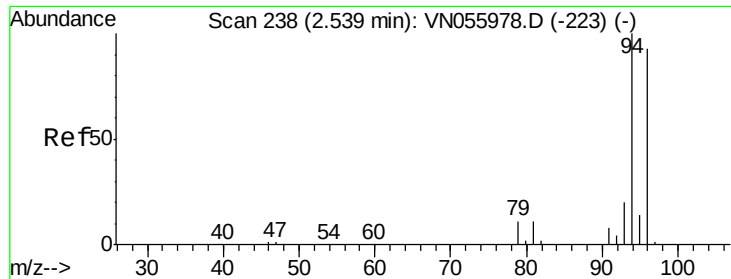
64 32.5 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

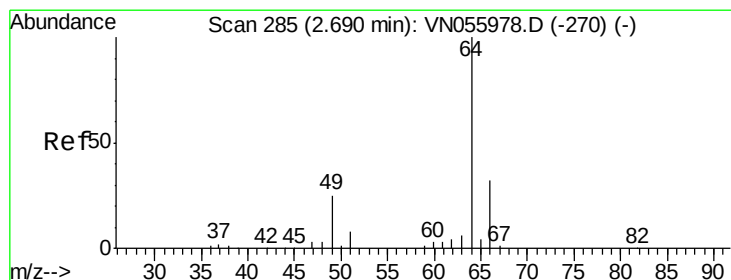
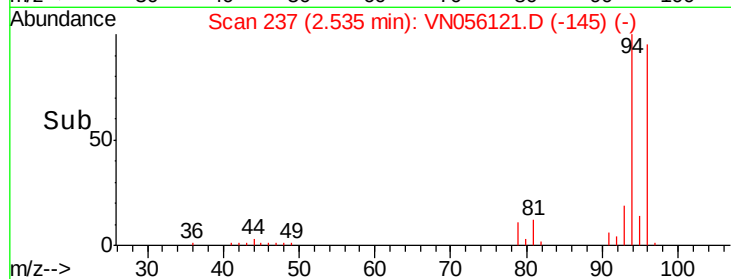
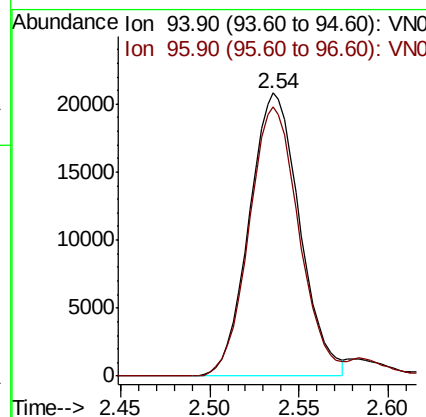
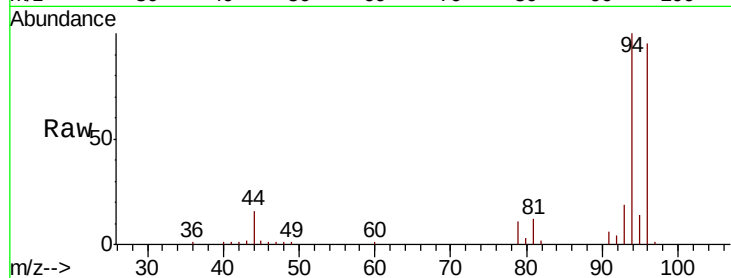




#5
Bromomethane
Concen: 20.653 ug/l
RT: 2.54 min Scan# 237
Delta R.T. -0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

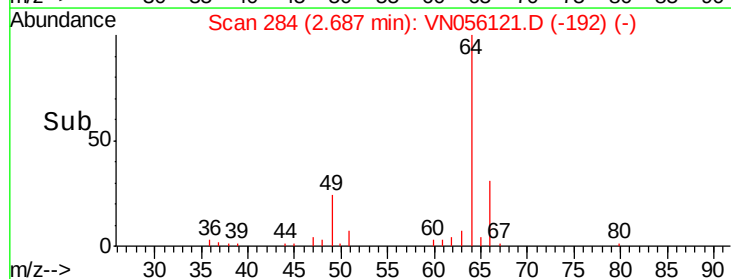
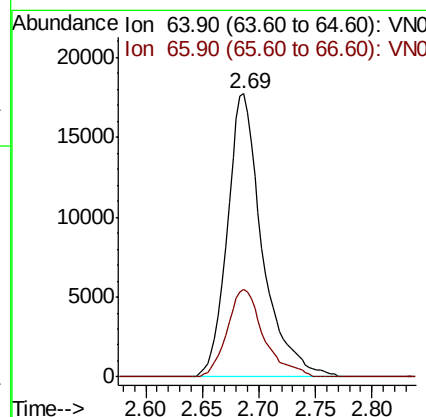
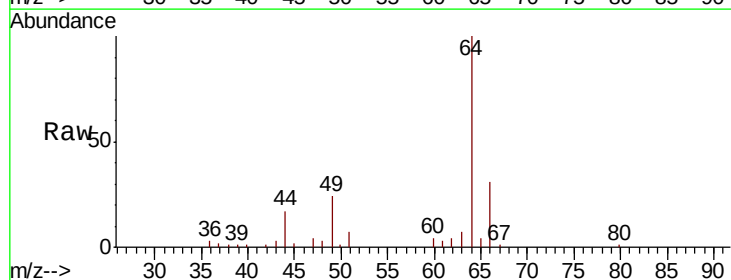
Instrument :
MSVOA_N
ClientSampled :

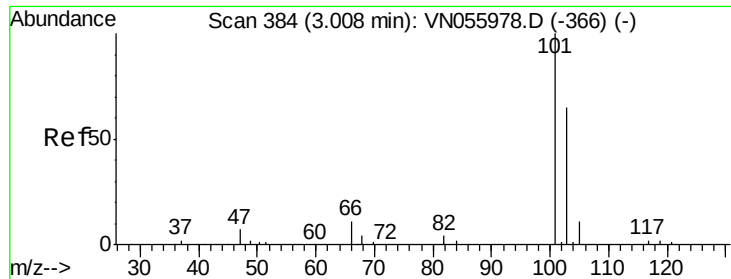
Tot Ion: 94 Resp: 41159
Ion Ratio Lower Upper
94 100
96 95.2 75.5 113.3



#6
Chloroethane
Concen: 20.836 ug/l
RT: 2.69 min Scan# 284
Delta R.T. -0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion: 64 Resp: 38111
Ion Ratio Lower Upper
64 100
66 31.1 25.4 38.0



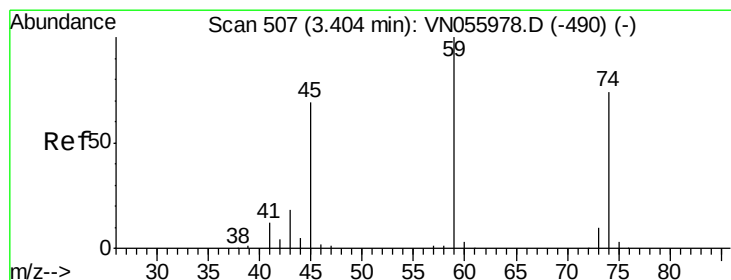
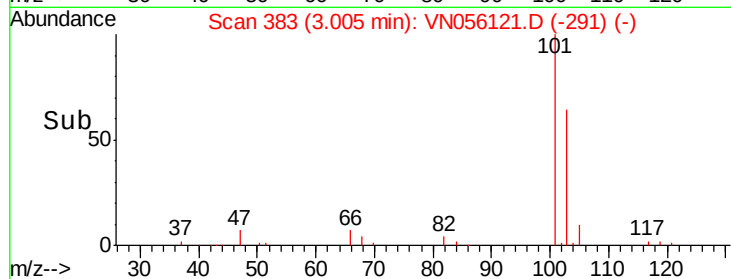
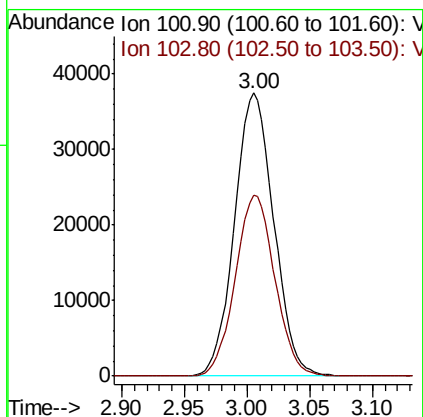
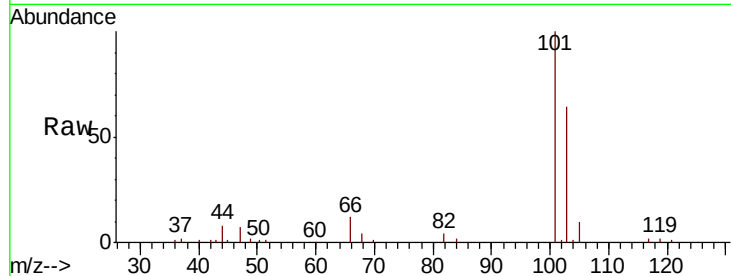


#7

Trichlorofluoromethane
 Concen: 20.259 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Instrument :
 MSVOA_N
 ClientSampleId :

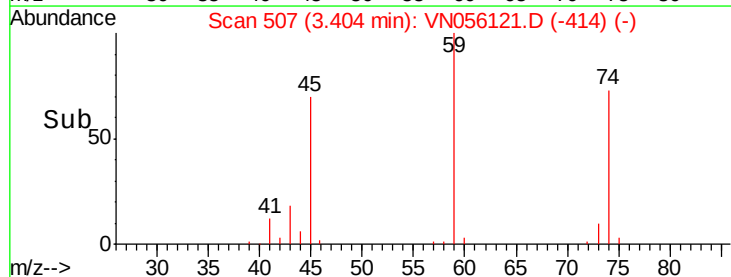
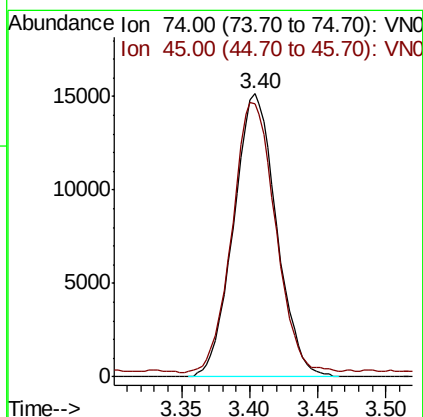
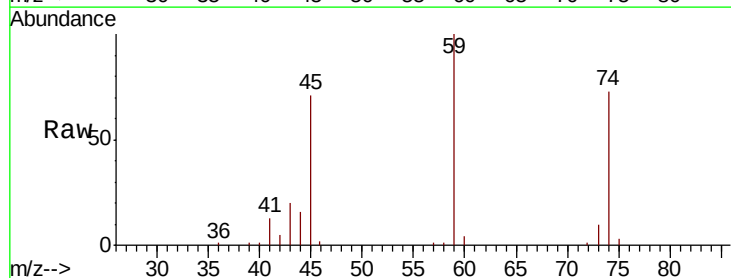
Tot Ion:101 Resp: 81592
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.2 76.8

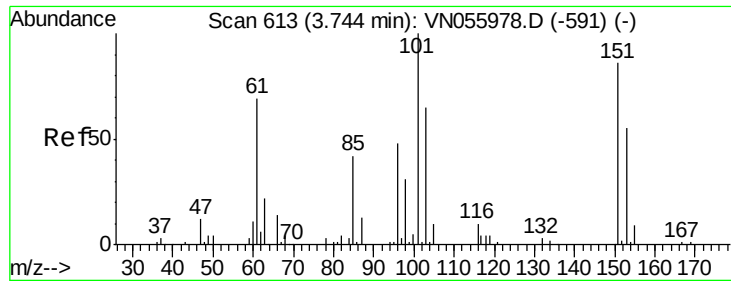


#8

Diethyl Ether
 Concen: 19.965 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Tgt Ion: 74 Resp: 33066
 Ion Ratio Lower Upper
 74 100
 45 96.1 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.547 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampled :

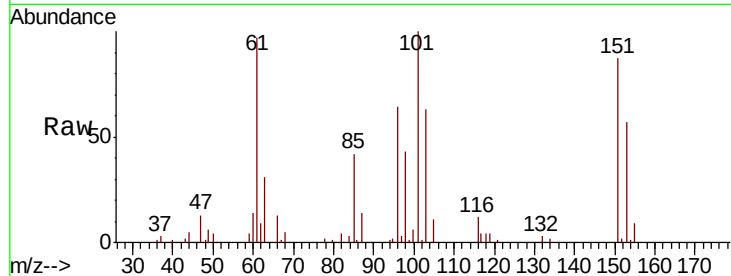
Tot Ion:101 Resp: 50267

Ion Ratio Lower Upper

101 100

85 41.9 33.4 50.2

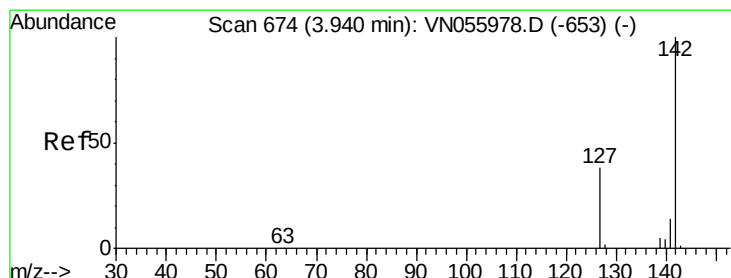
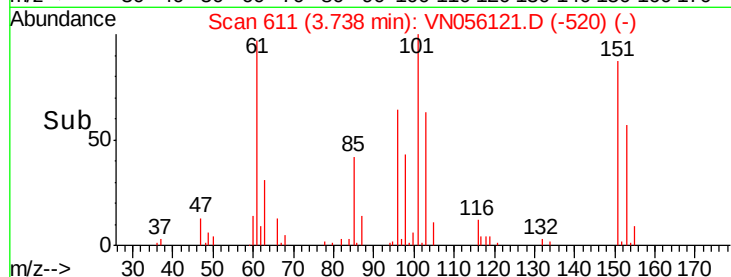
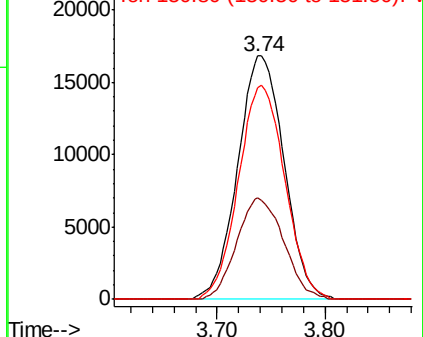
151 88.0 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.246 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

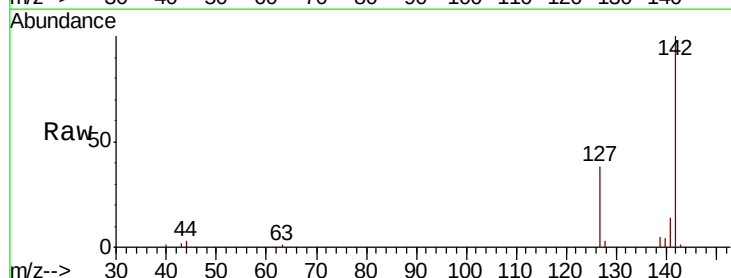
Tgt Ion:142 Resp: 74824

Ion Ratio Lower Upper

142 100

127 37.3 31.0 46.4

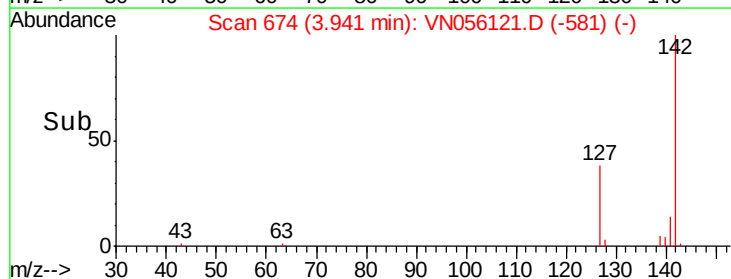
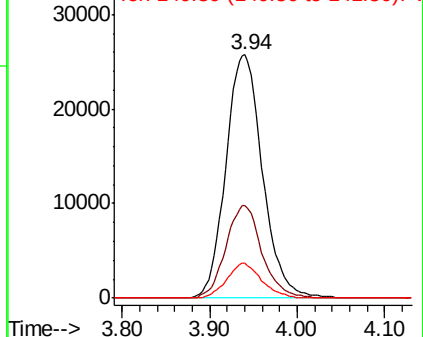
141 13.6 11.4 17.0

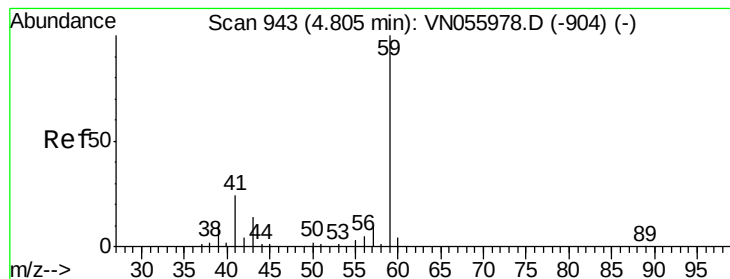


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



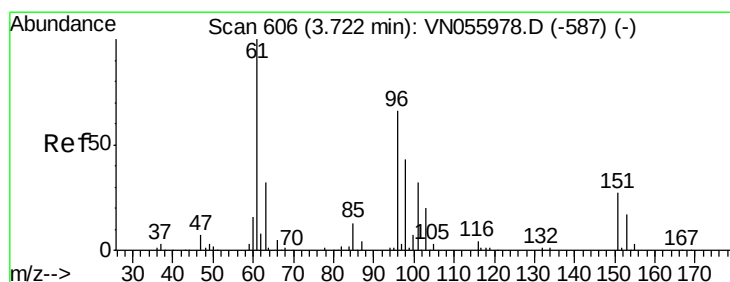
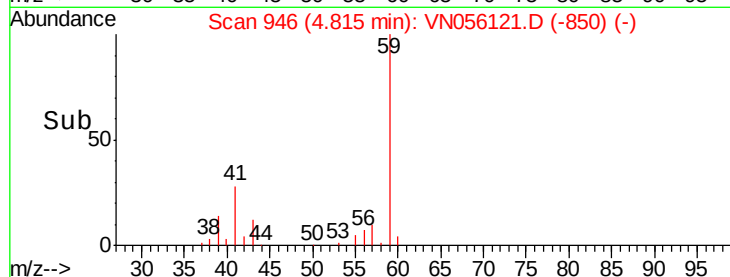
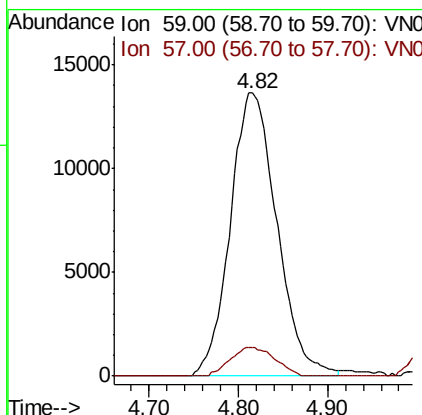
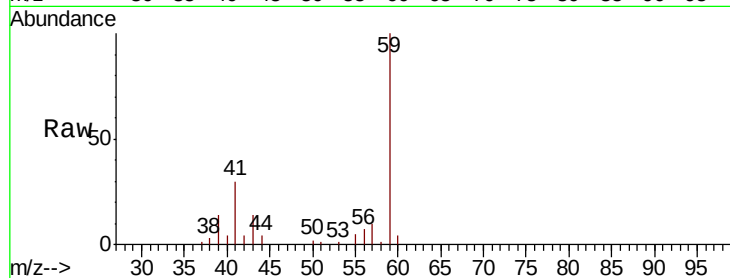


#11

Tert butyl alcohol
Concen: 98.794 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.01 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Instrument :
MSVOA_N
ClientSampled :

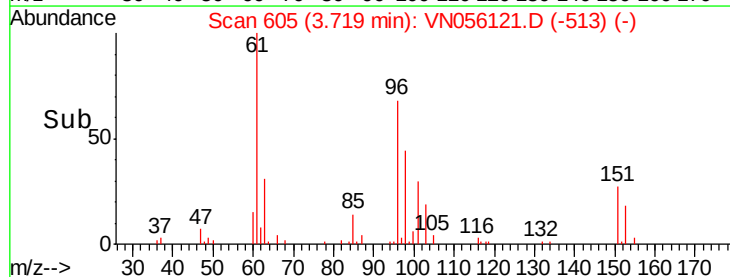
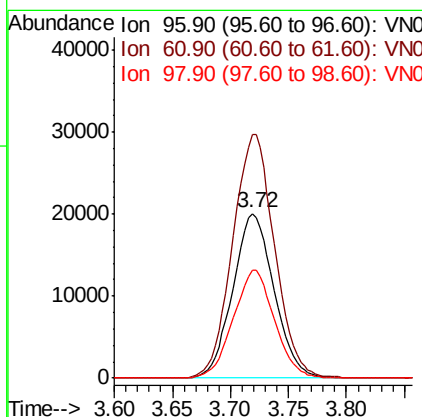
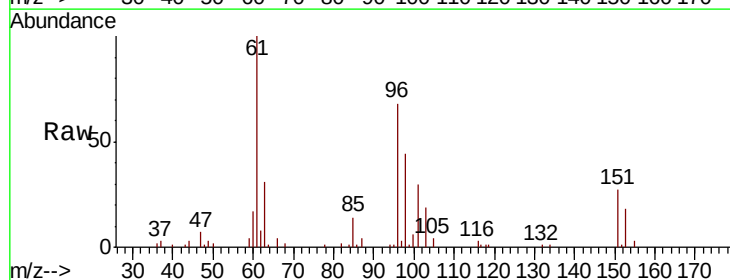
Tot Ion: 59 Resp: 49527
Ion Ratio Lower Upper
59 100
57 9.8 7.8 11.6

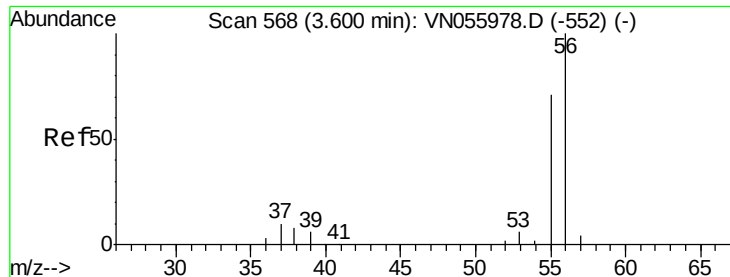


#12

1,1-Dichloroethene
Concen: 20.328 ug/l
RT: 3.72 min Scan# 605
Delta R.T. -0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion: 96 Resp: 49511
Ion Ratio Lower Upper
96 100
61 147.9 123.2 184.8
98 65.7 50.4 75.6





#13

Acrolein

Concen: 75.057 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

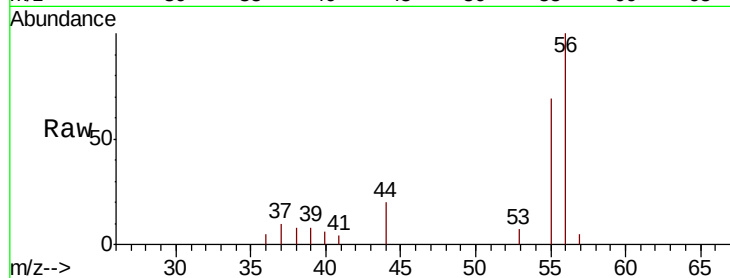
ClientSampled :

Tot Ion: 56 Resp: 10852

Ion Ratio Lower Upper

56 100

55 70.6 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

4000

3000

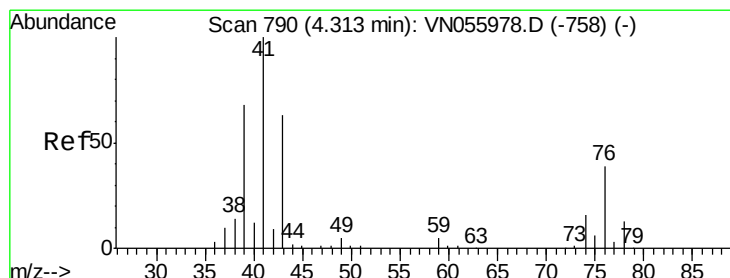
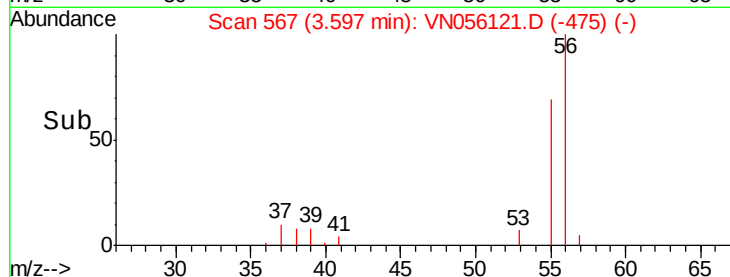
2000

1000

0

Time-->

3.55 3.60 3.65



#14

Allyl chloride

Concen: 19.096 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

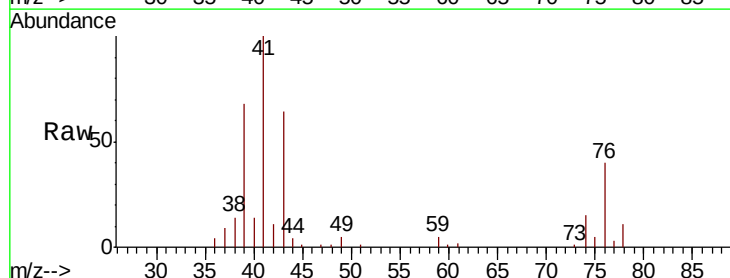
Tgt Ion: 41 Resp: 73443

Ion Ratio Lower Upper

41 100

39 62.6 50.0 75.0

76 33.9 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.31

30000

25000

20000

15000

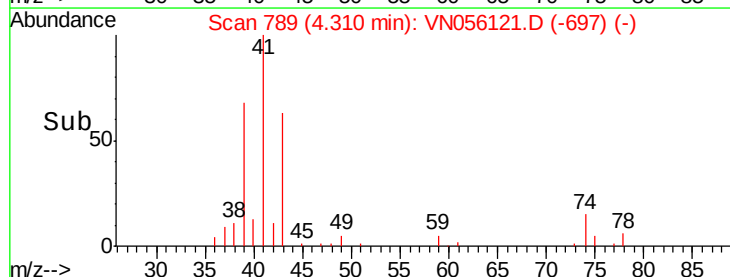
10000

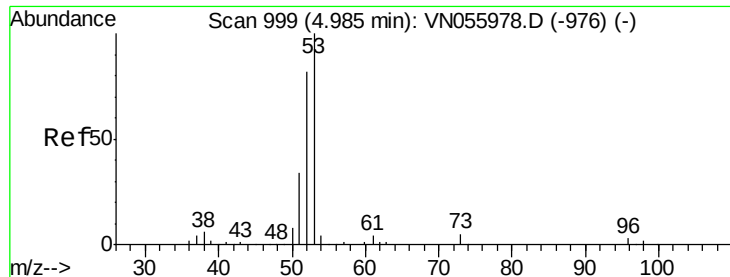
5000

0

Time-->

4.20 4.30 4.40





#15

Acrylonitrile

Concen: 114.845 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampled :

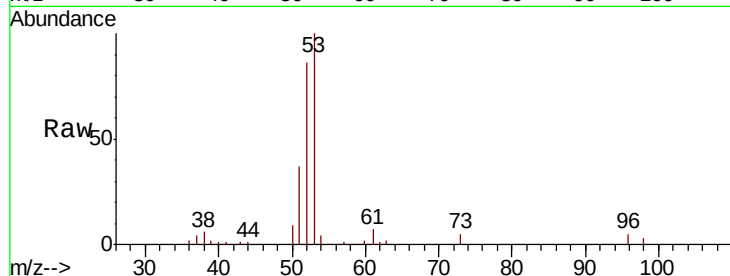
Tot Ion: 53 Resp: 140150

Ion Ratio Lower Upper

53 100

52 82.6 65.8 98.8

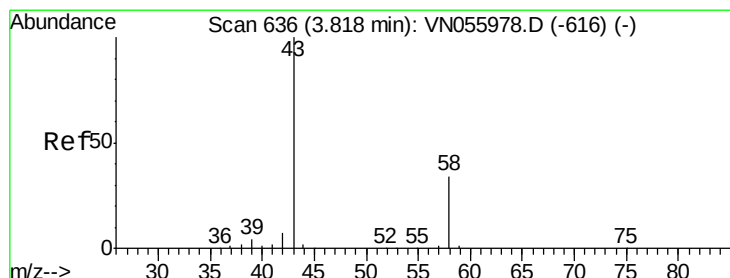
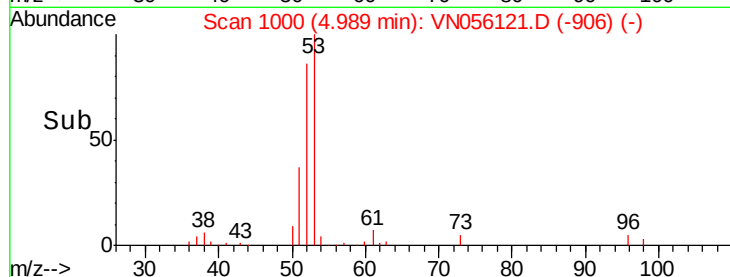
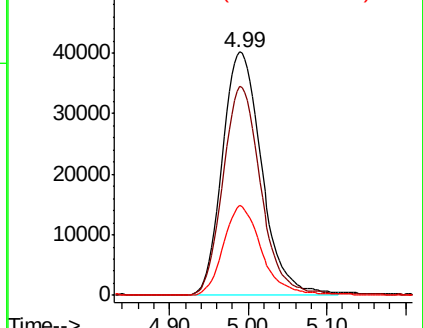
51 35.8 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN055978.D (-976) (-)

Ion 52.00 (51.70 to 52.70): VN055978.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VN055978.D (-976) (-)



#16

Acetone

Concen: 84.083 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056121.D

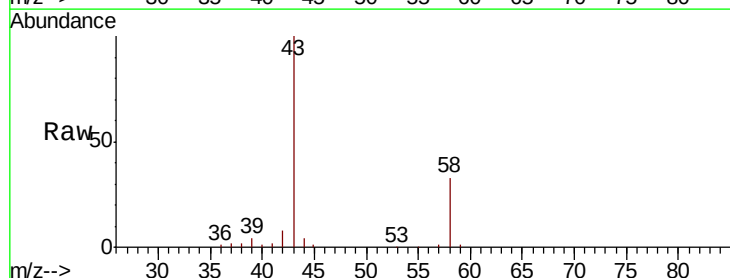
Acq: 8 Jun 2019 00:46

Tgt Ion: 43 Resp: 115847

Ion Ratio Lower Upper

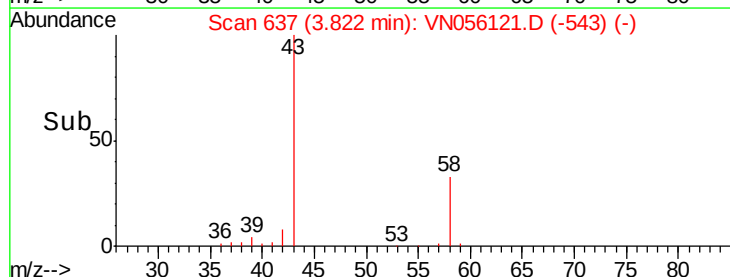
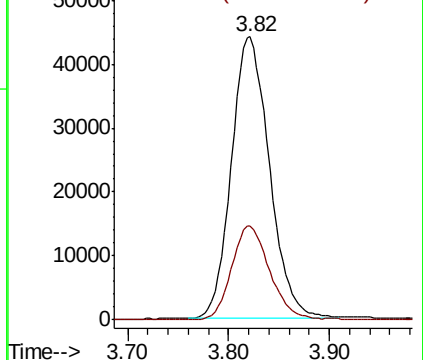
43 100

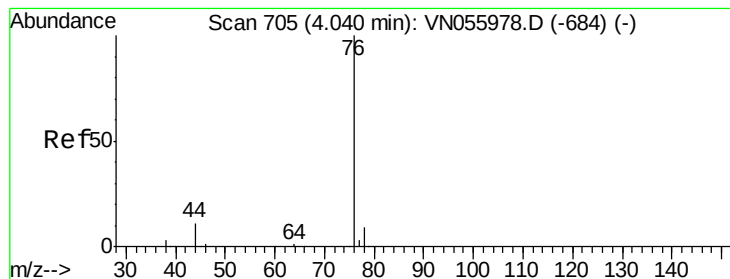
58 33.1 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-616) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-616) (-)





#17

Carbon Disulfide

Concen: 16.827 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

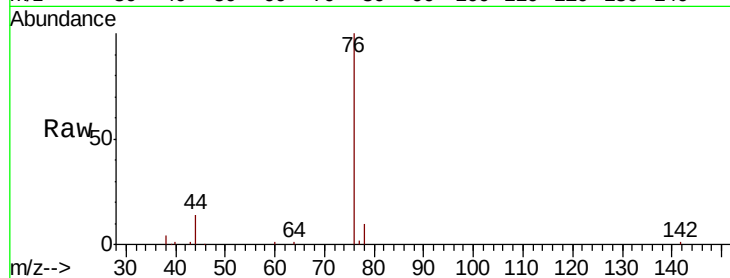
ClientSampleId :

Tot Ion: 76 Resp: 98130

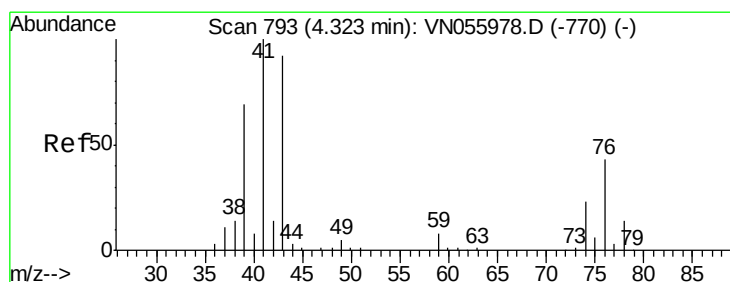
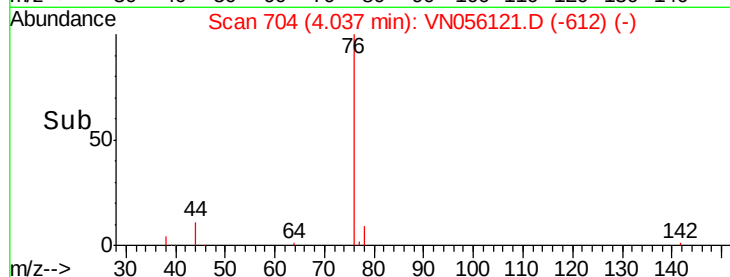
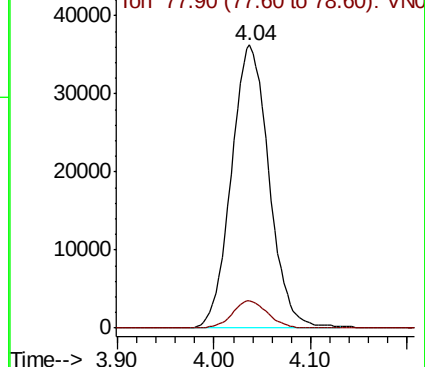
Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VN056121.D (-612) (-)



#18

Methyl Acetate

Concen: 24.225 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056121.D

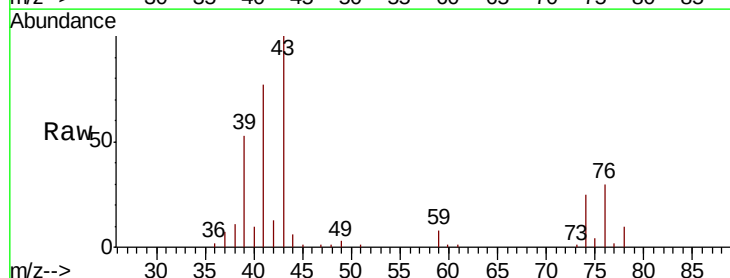
Acq: 8 Jun 2019 00:46

Tgt Ion: 43 Resp: 66369

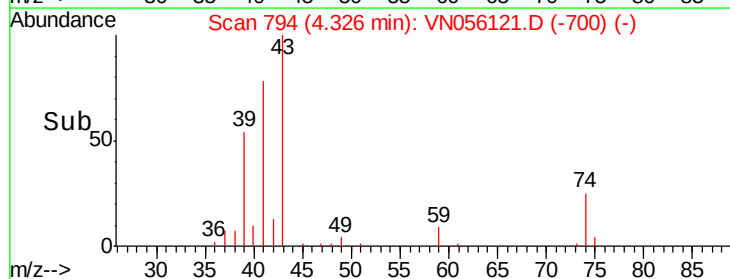
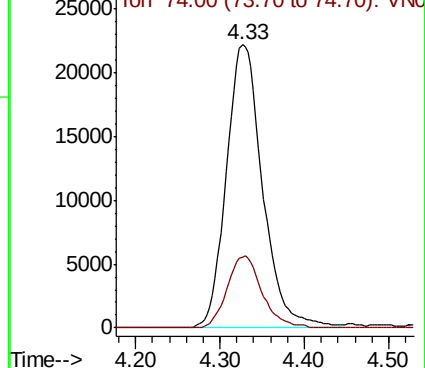
Ion Ratio Lower Upper

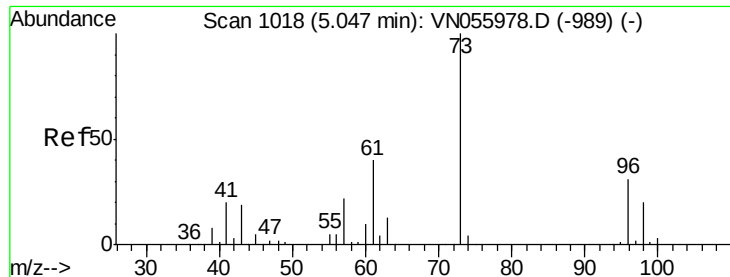
43 100

74 24.4 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN056121.D (-700) (-)

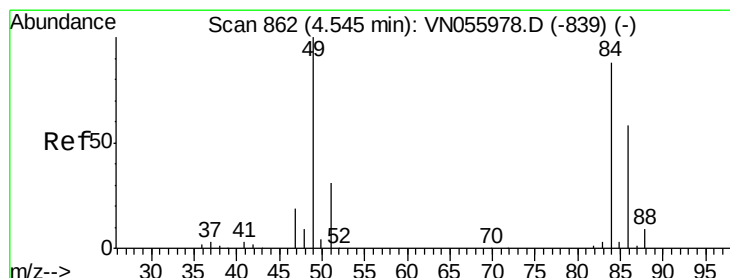
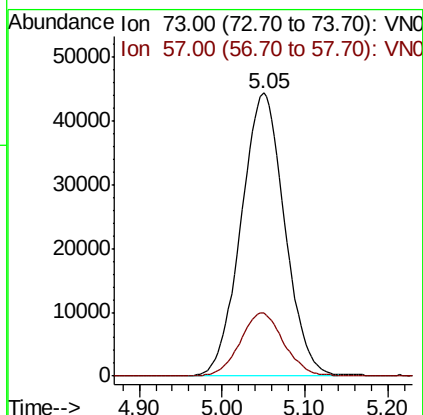
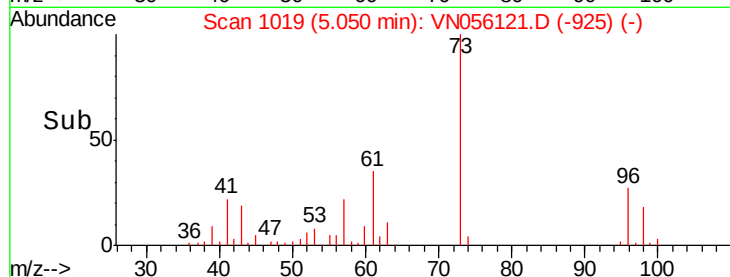
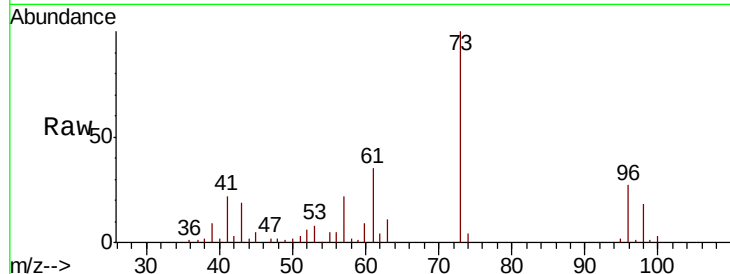




#19
Methyl tert-butyl Ether
Concen: 20.833 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

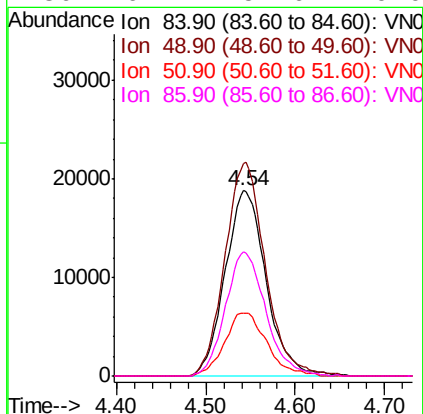
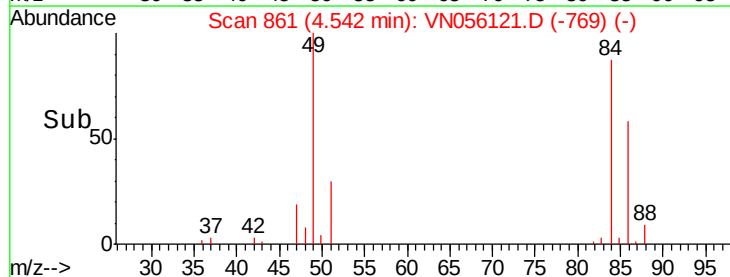
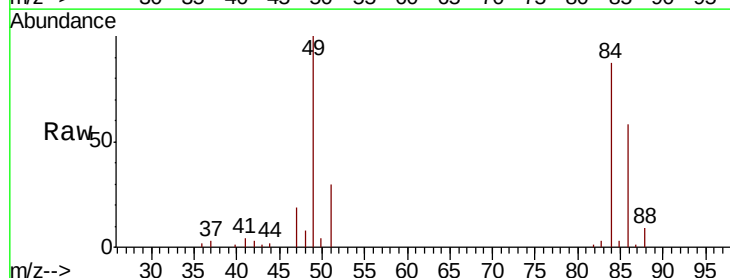
Instrument :
MSVOA_N
ClientSampled :

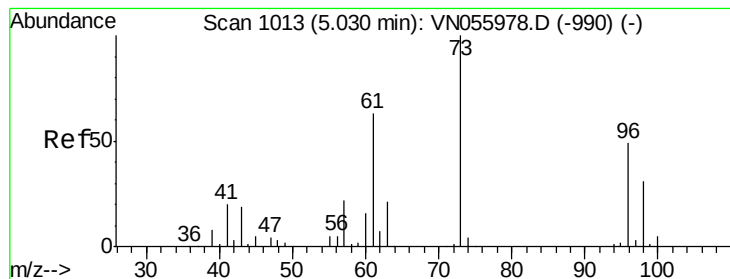
Tot Ion: 73 Resp: 161736
Ion Ratio Lower Upper
73 100
57 22.1 17.8 26.8



#20
Methylene Chloride
Concen: 21.073 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion: 84 Resp: 59816
Ion Ratio Lower Upper
84 100
49 114.8 93.5 140.3
51 33.9 28.6 43.0
86 67.1 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 20.420 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. 0.00 min

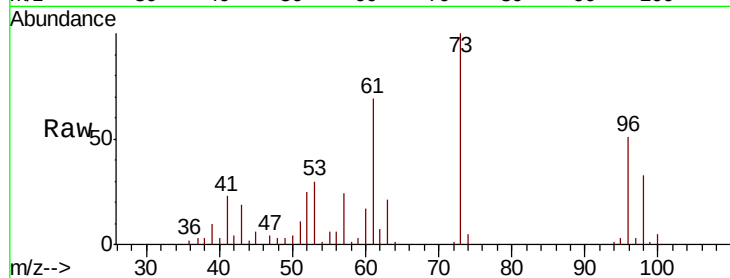
Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 53290

Ion	Ratio	Lower	Upper
96	100		
61	135.3	107.8	161.8
98	64.9	49.8	74.8

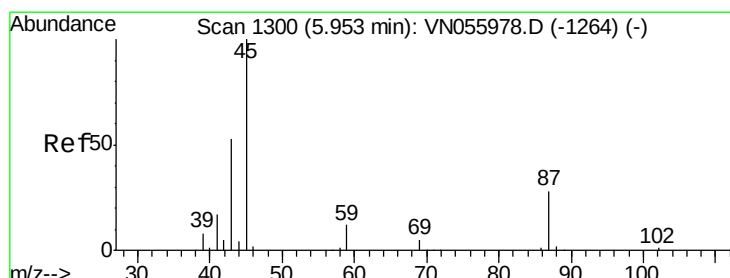
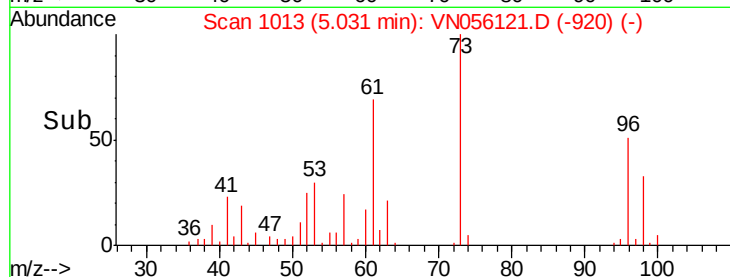
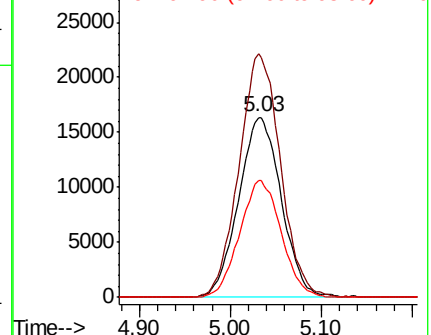


Abundance

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: 21.288 ug/l

RT: 5.96 min Scan# 1301

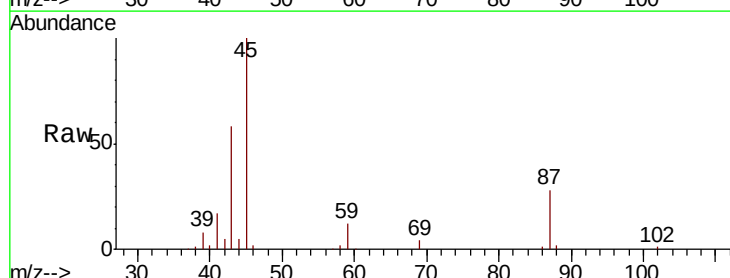
Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Tgt Ion: 45 Resp: 169244

Ion	Ratio	Lower	Upper
45	100		
43	56.5	45.0	67.6
87	27.8	22.2	33.4
59	12.1	9.1	13.7



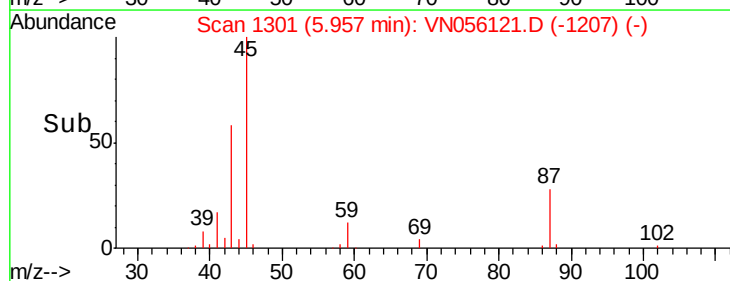
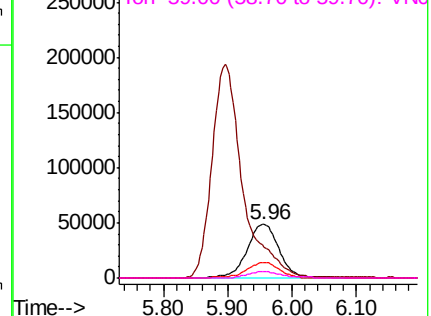
Abundance

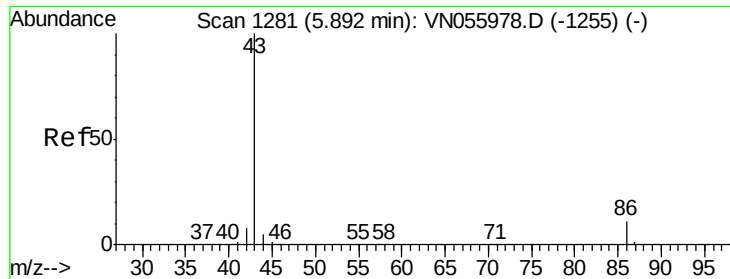
Ion 45.00 (44.70 to 45.70): VN0

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

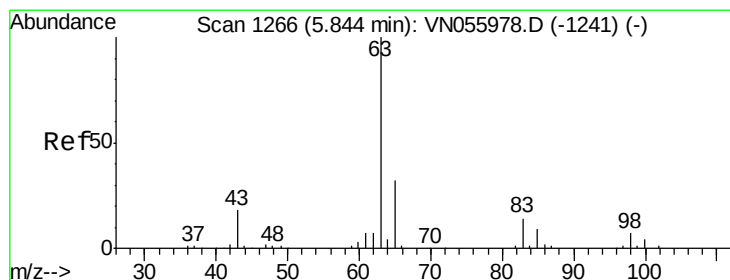
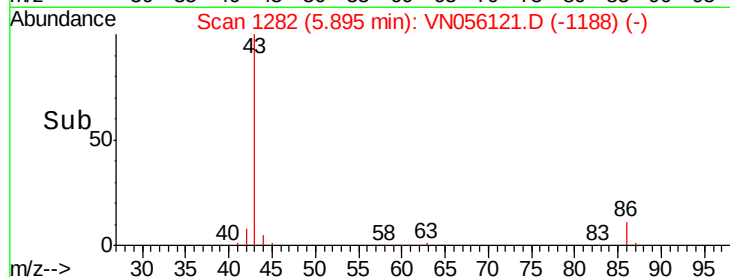
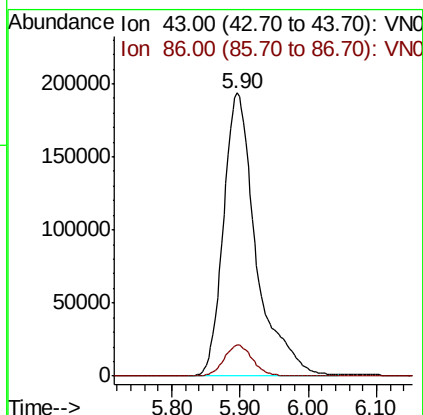
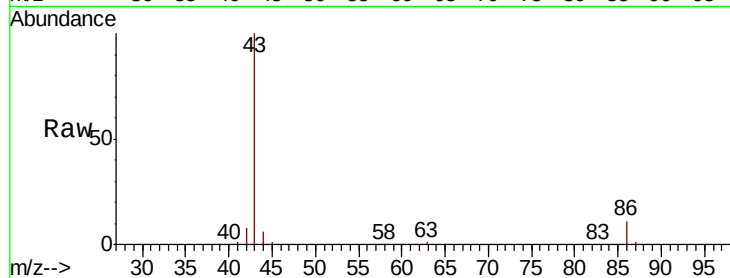




#23
 Vinyl Acetate
 Concen: 103.166 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

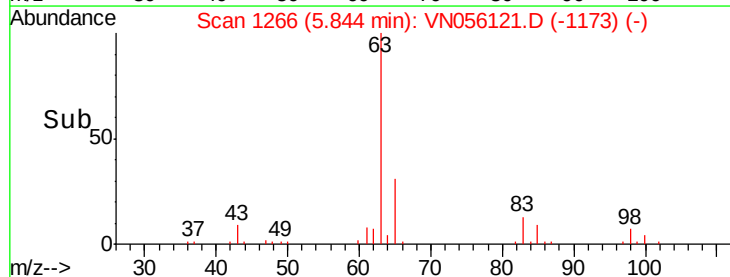
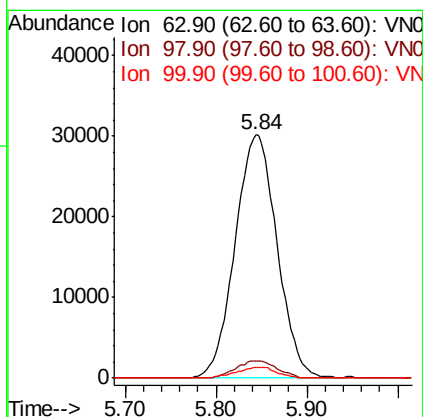
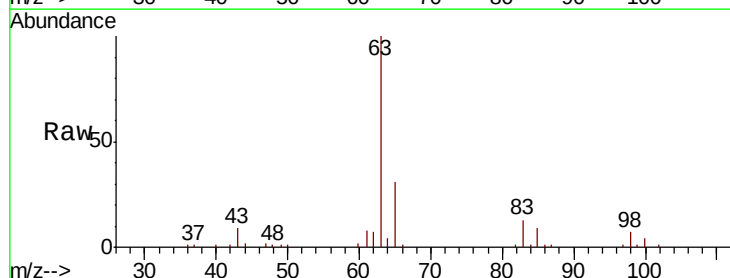
Instrument :
 MSVOA_N
 ClientSampled :

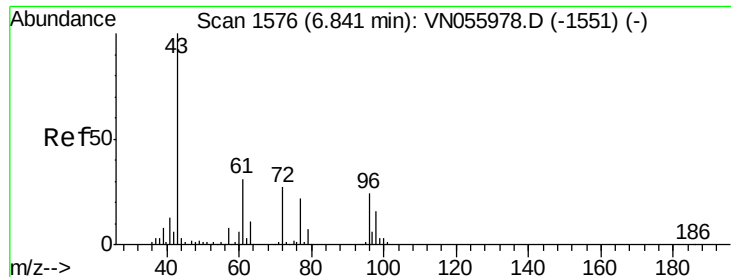
Tot Ion: 43 Resp: 645896
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 21.058 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Tgt Ion: 63 Resp: 96571
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.4 10.1
 100 4.3 2.2 6.6

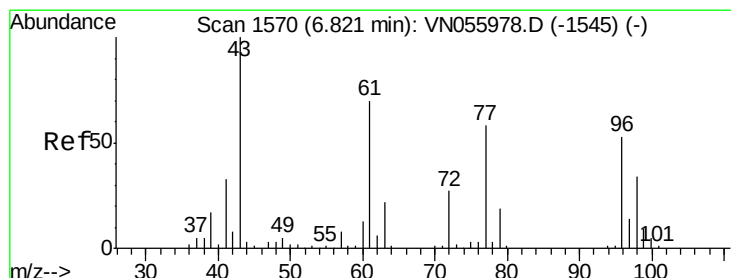
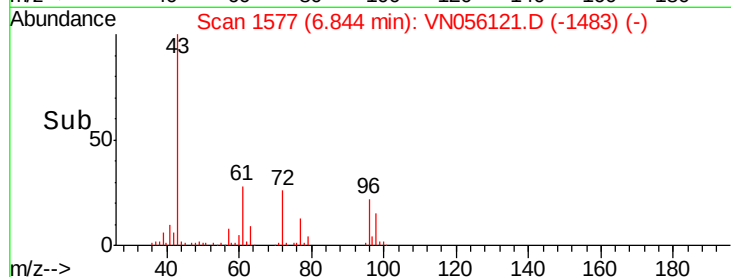
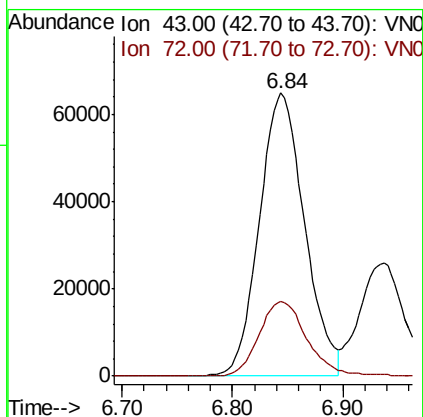
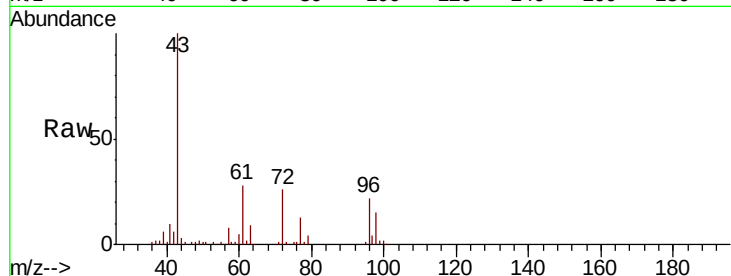




#25
2-Butanone
Concen: 105.956 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

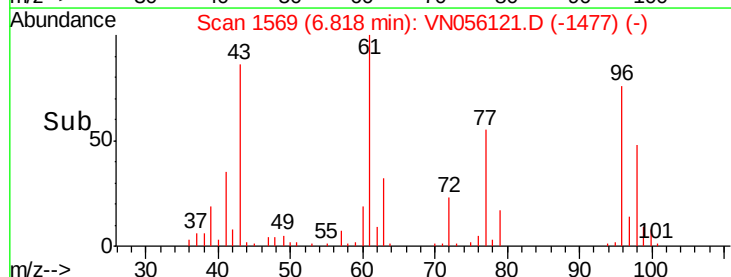
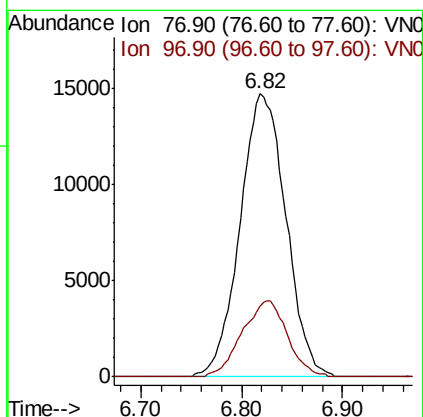
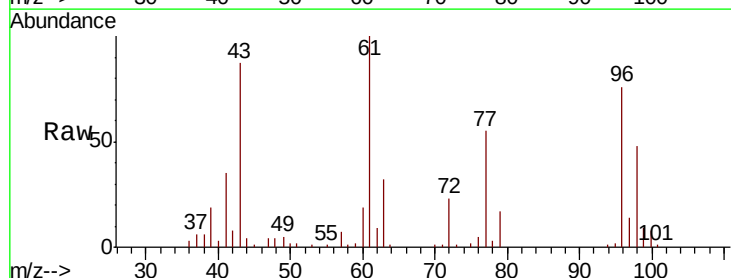
Instrument :
MSVOA_N
ClientSampled :

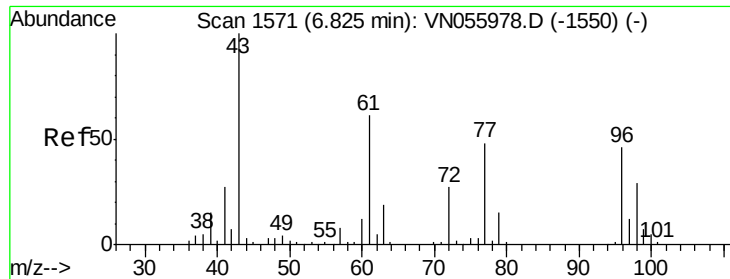
Tot Ion: 43 Resp: 184445
Ion Ratio Lower Upper
43 100
72 26.3 21.9 32.9



#26
2,2-Dichloropropane
Concen: 13.001 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion: 77 Resp: 46525
Ion Ratio Lower Upper
77 100
97 26.6 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.821 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

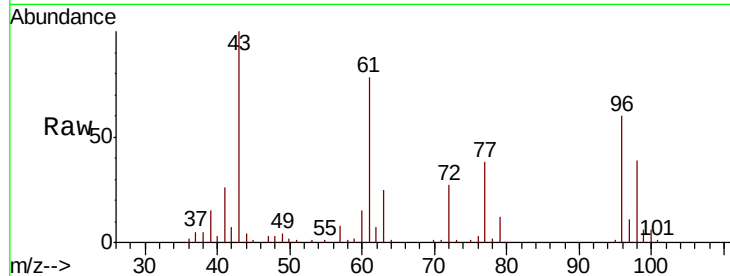
Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 63869

Ion	Ratio	Lower	Upper
96	100		
61	129.6	0.0	275.8
98	64.1	0.0	128.4

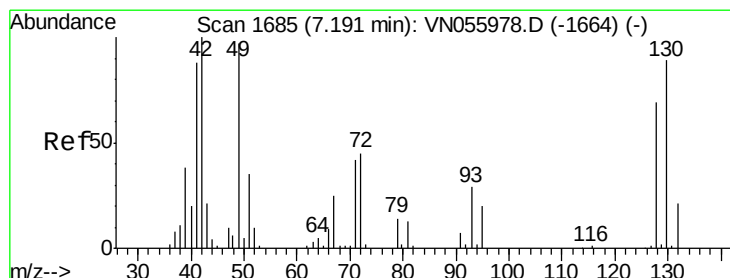
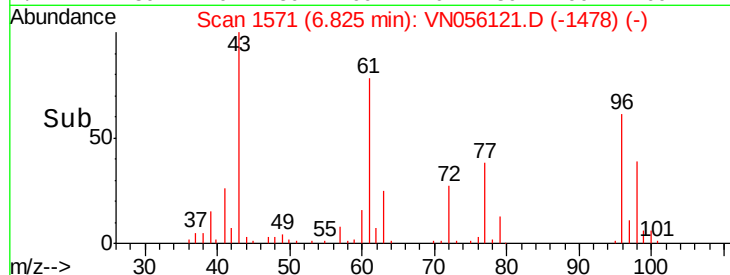
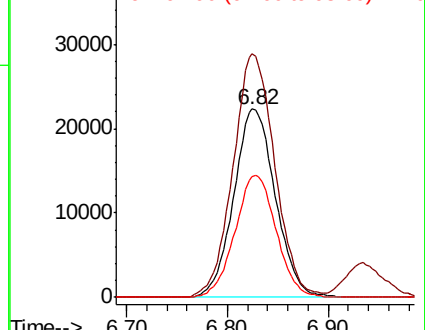


Abundance

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: 20.193 ug/l

RT: 7.19 min Scan# 1686

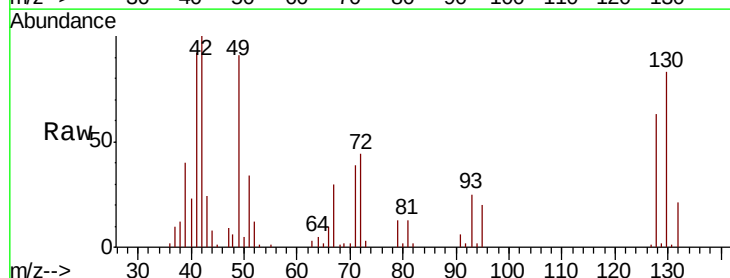
Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Tgt Ion: 49 Resp: 43792

Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	4.4
130	89.0	71.2	106.8

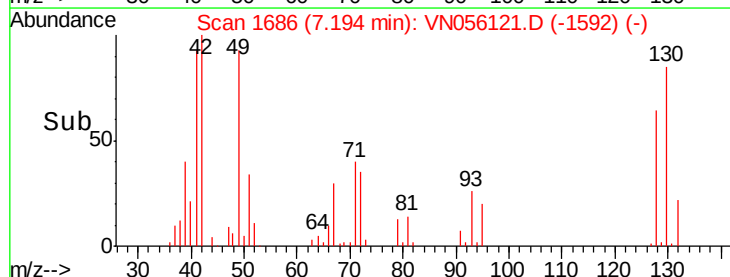
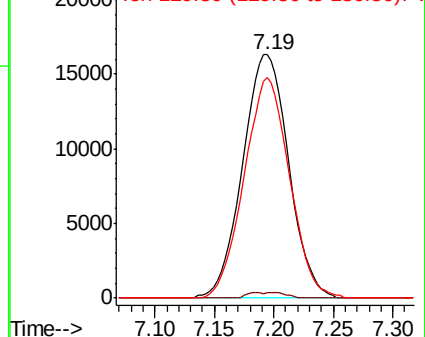


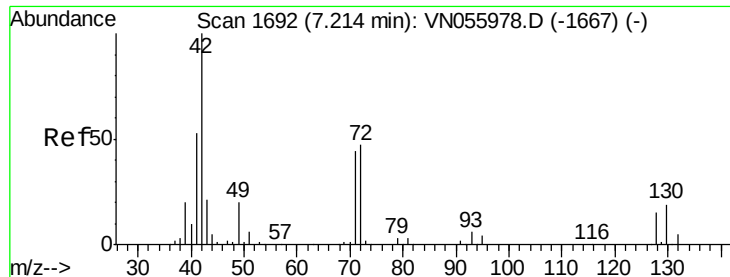
Abundance

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

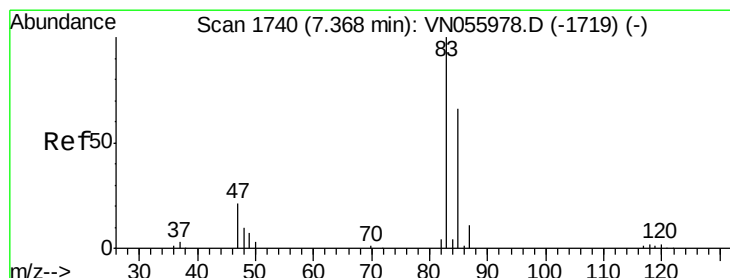
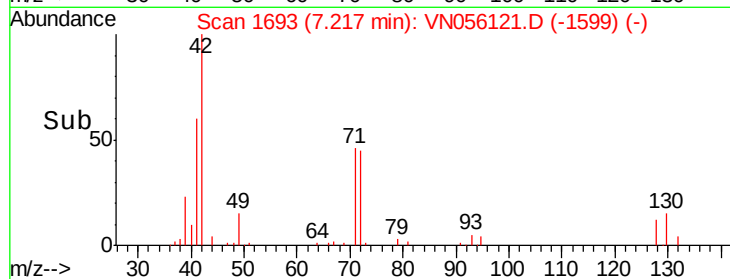
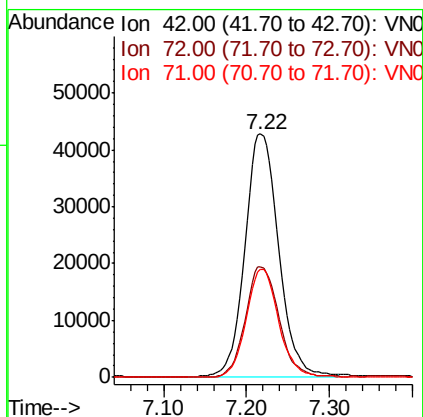
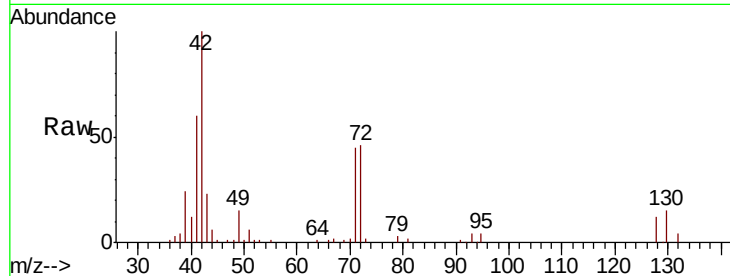




#29
Tetrahydrofuran
Concen: 113.144 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

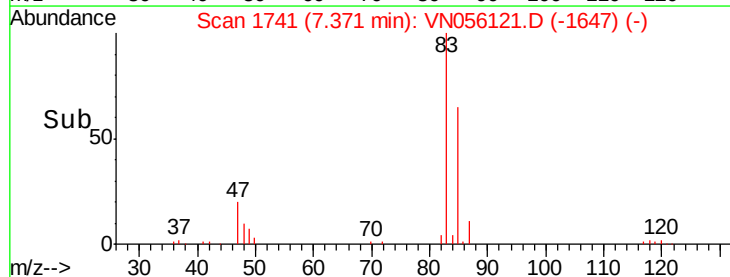
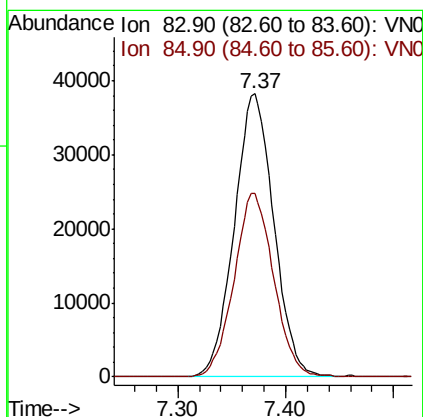
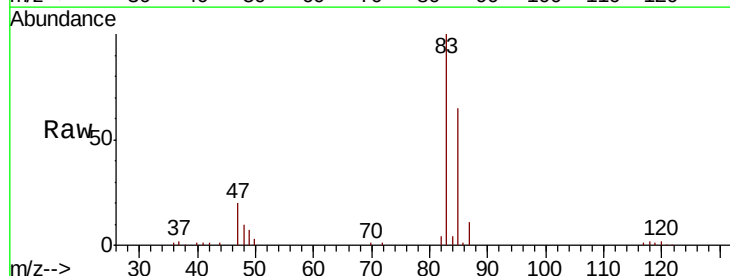
Instrument :
MSVOA_N
ClientSampled :

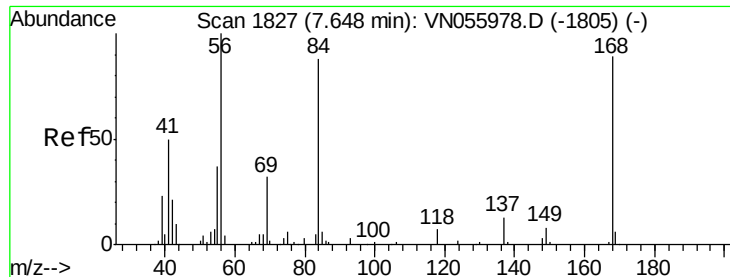
Tot Ion: 42 Resp: 121748
Ion Ratio Lower Upper
42 100
72 44.9 35.9 53.9
71 42.5 34.0 51.0



#30
Chloroform
Concen: 21.118 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion: 83 Resp: 97424
Ion Ratio Lower Upper
83 100
85 64.7 51.8 77.8





#31

Cyclohexane

Concen: 19.790 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :
MSVOA_N
ClientSampleId :

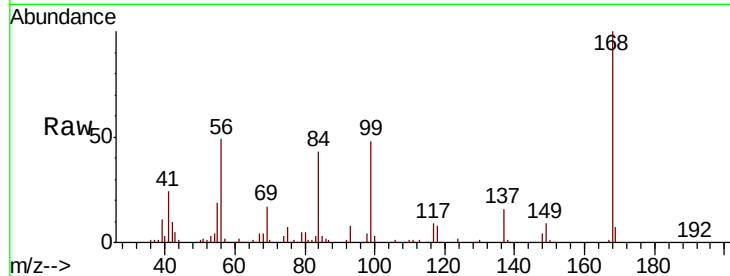
Tot Ion: 56 Resp: 90464

Ion Ratio Lower Upper

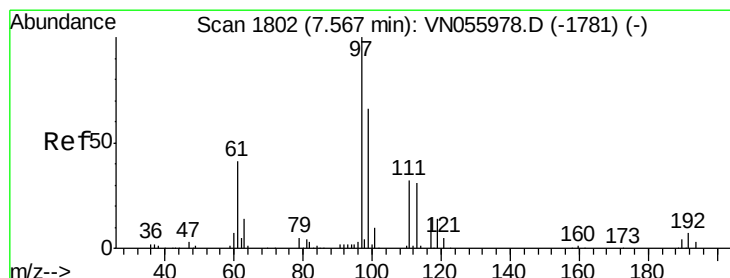
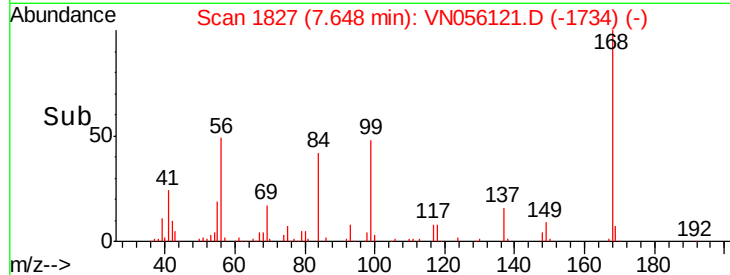
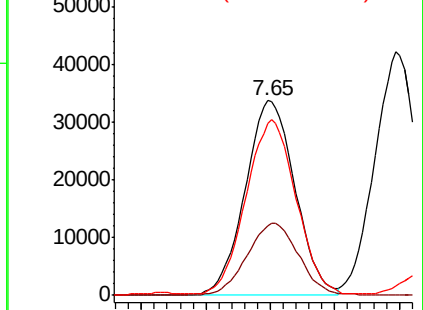
56 100

69 36.0 25.6 38.4

84 87.1 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.952 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

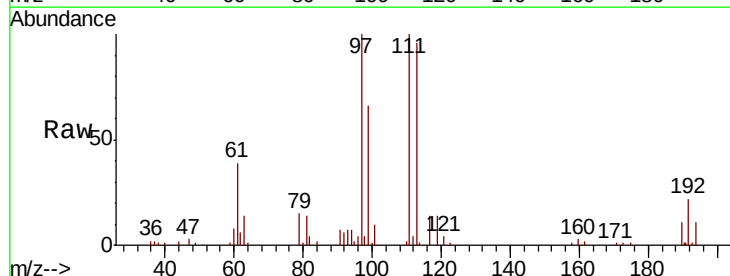
Tgt Ion: 97 Resp: 76863

Ion Ratio Lower Upper

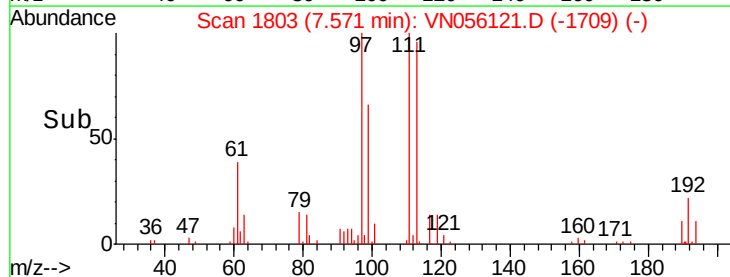
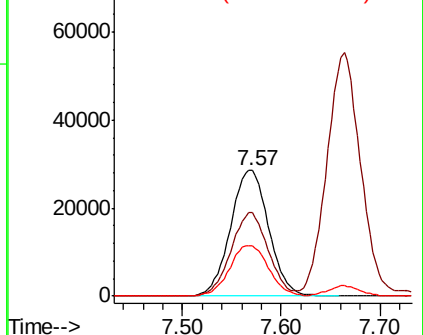
97 100

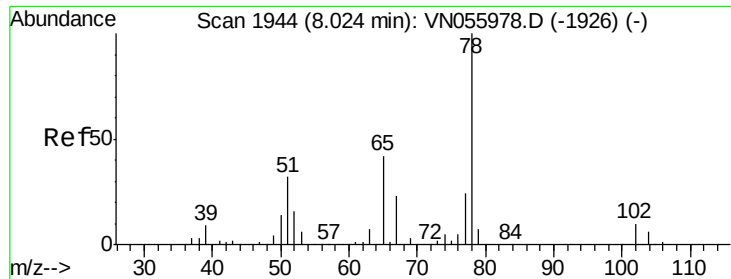
99 64.6 52.0 78.0

61 41.2 32.9 49.3



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

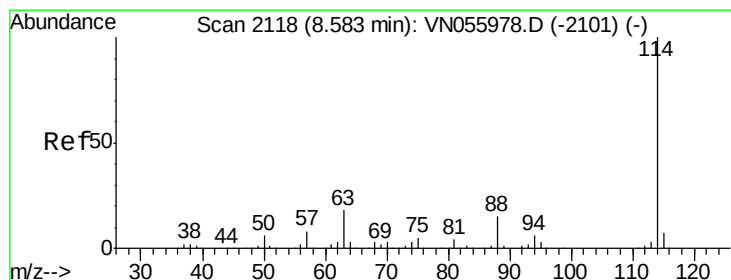
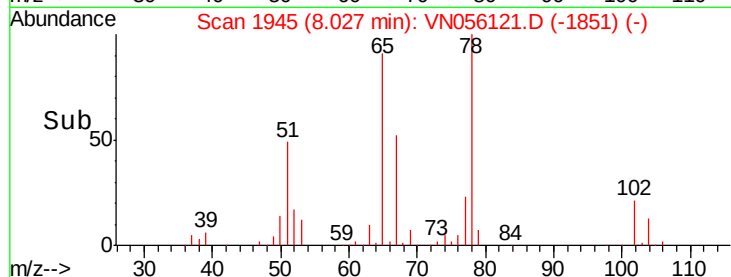
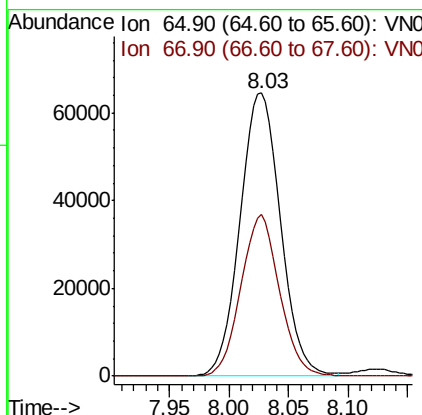
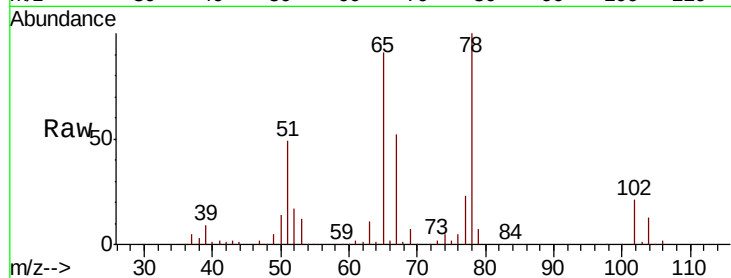




#33
 1,2-Dichloroethane-d4
 Concen: 52.808 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

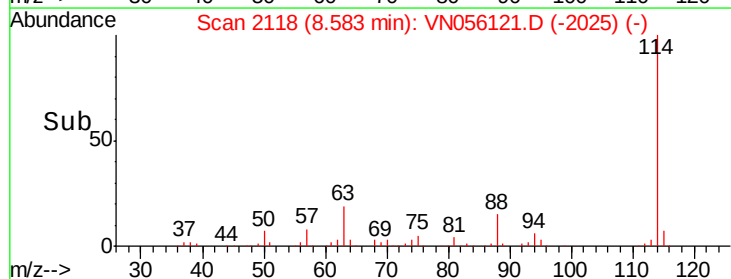
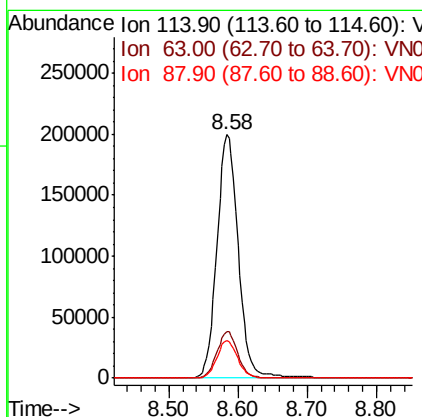
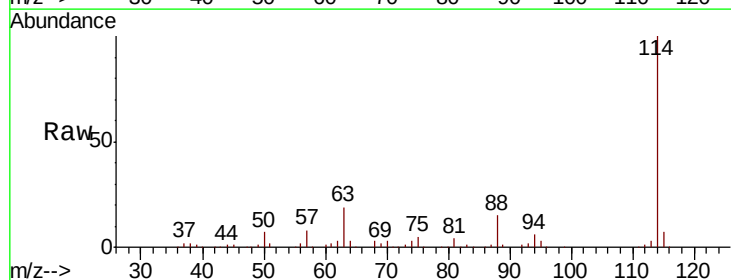
Instrument :
 MSVOA_N
 ClientSampled :

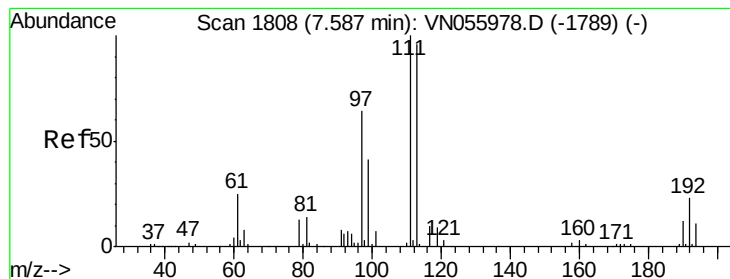
Tot Ion: 65 Resp: 152128
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Tgt Ion: 114 Resp: 427959
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.2
 88 15.3 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.887 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

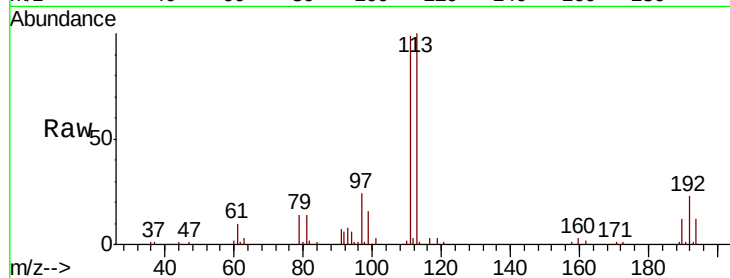
Tot Ion:113 Resp: 133612

Ion Ratio Lower Upper

113 100

111 102.2 81.9 122.9

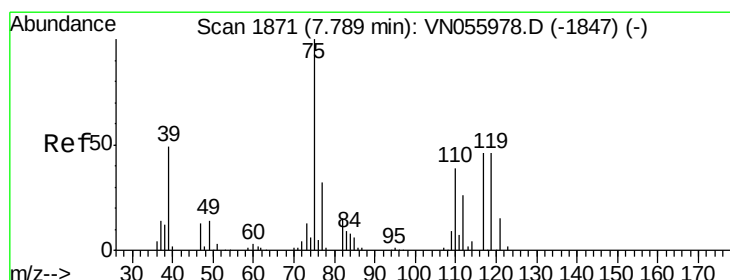
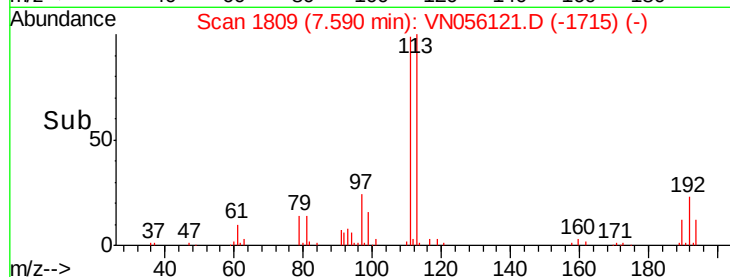
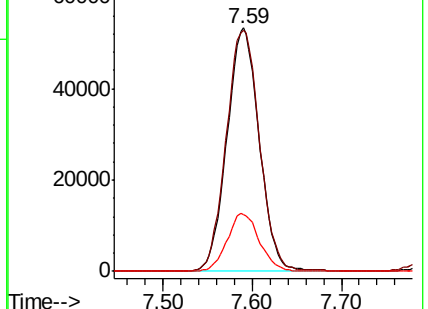
192 23.7 19.5 29.3



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: 19.396 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

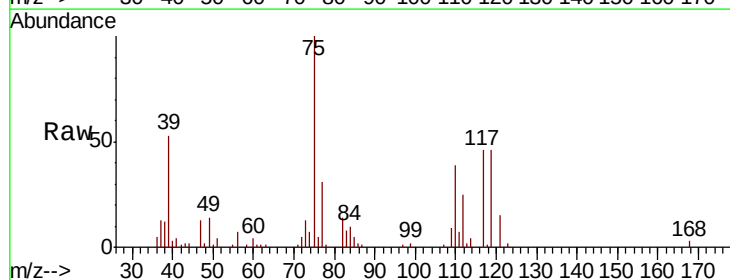
Tgt Ion: 75 Resp: 71376

Ion Ratio Lower Upper

75 100

110 37.6 19.0 57.0

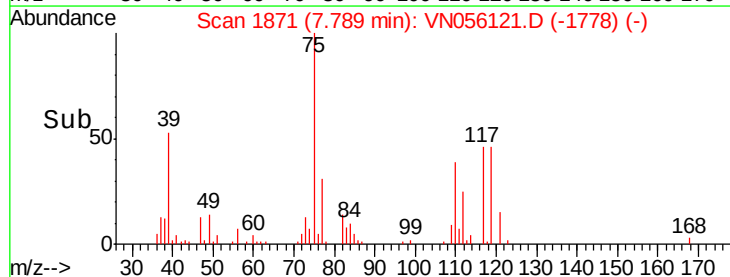
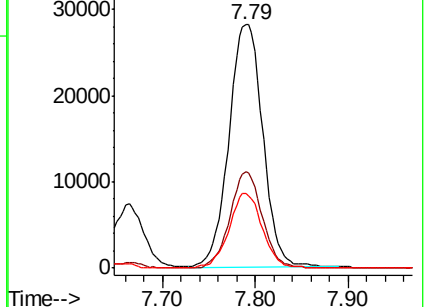
77 30.2 25.1 37.7

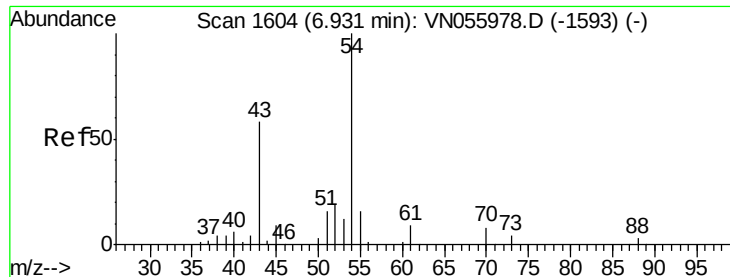


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

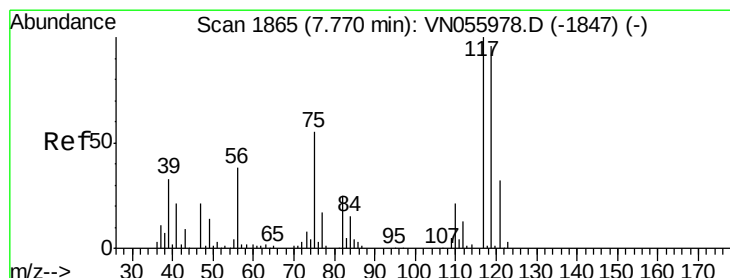
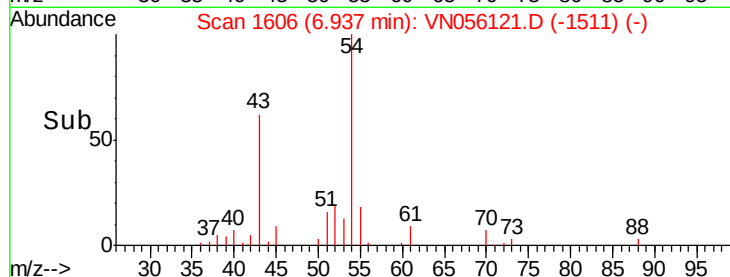
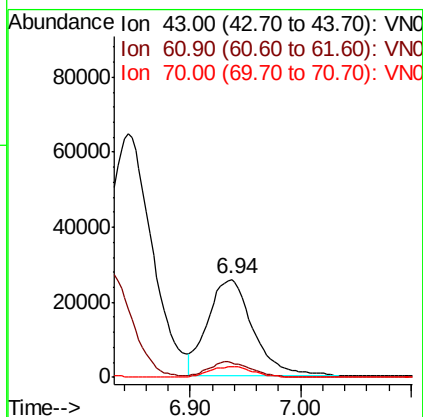
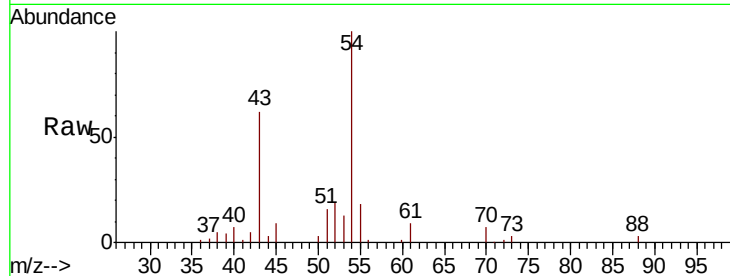




#37
Ethyl Acetate
Concen: 22.296 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

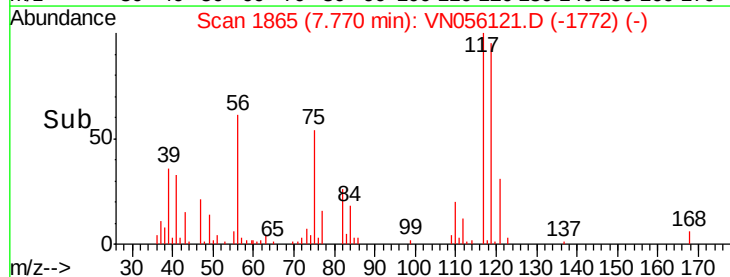
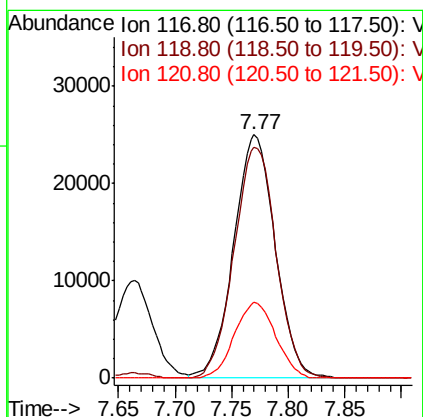
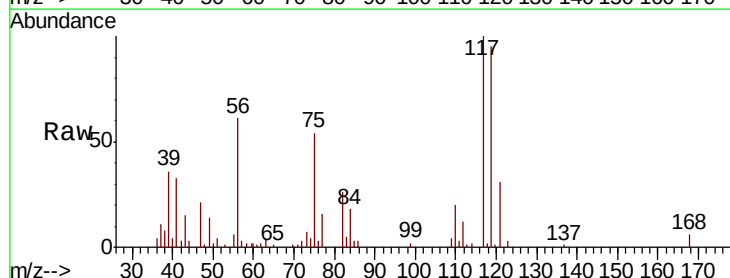
Instrument :
MSVOA_N
ClientSampled :

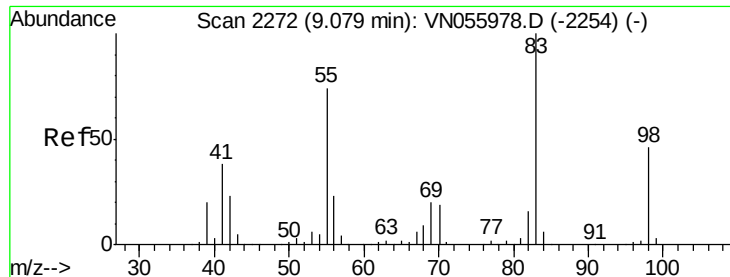
Tot Ion: 43 Resp: 73001
Ion Ratio Lower Upper
43 100
61 15.1 12.2 18.2
70 10.8 8.9 13.3



#38
Carbon Tetrachloride
Concen: 18.850 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion: 117 Resp: 63951
Ion Ratio Lower Upper
117 100
119 95.0 79.0 118.6
121 31.4 24.7 37.1

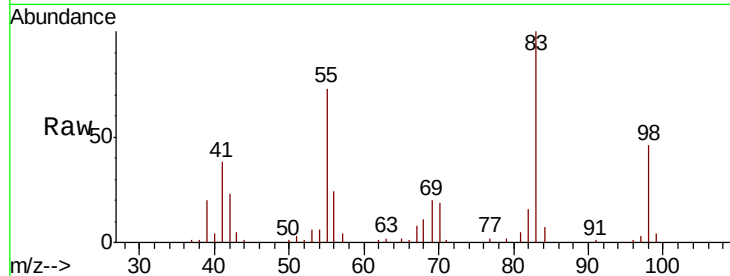




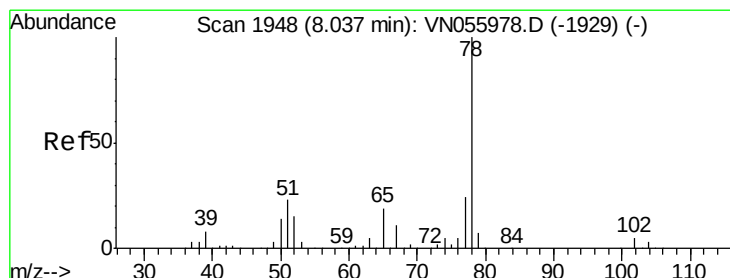
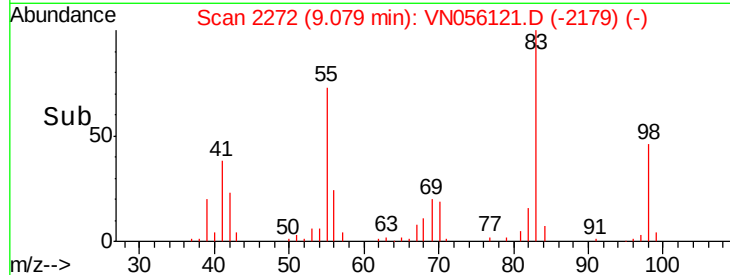
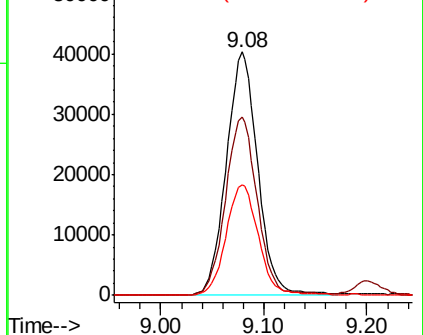
#39
Methylvlcyclohexane
Concen: 18.706 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 85750
Ion Ratio Lower Upper
83 100
55 73.3 59.3 88.9
98 45.5 36.6 54.8

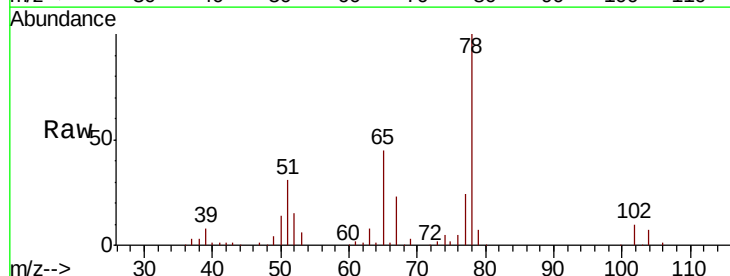


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

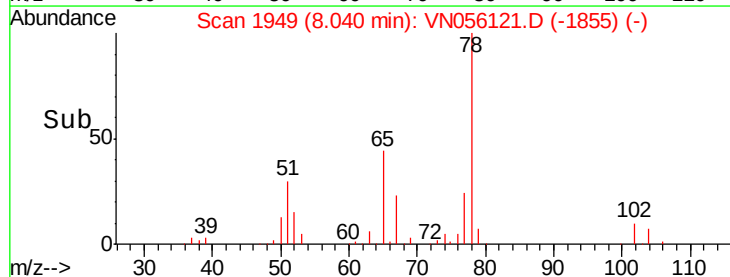
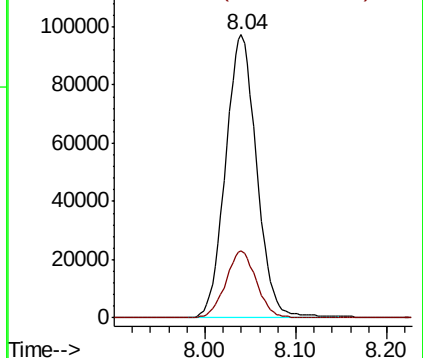


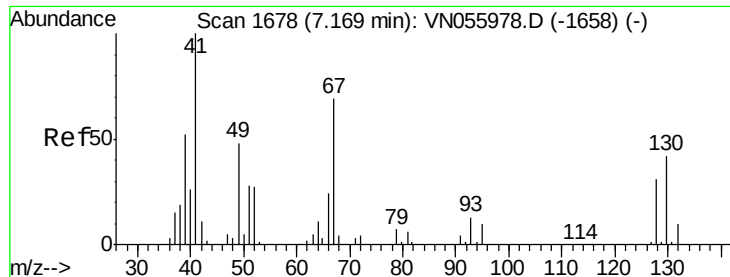
#40
Benzene
Concen: 20.688 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion: 78 Resp: 231217
Ion Ratio Lower Upper
78 100
77 23.9 18.8 28.2



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

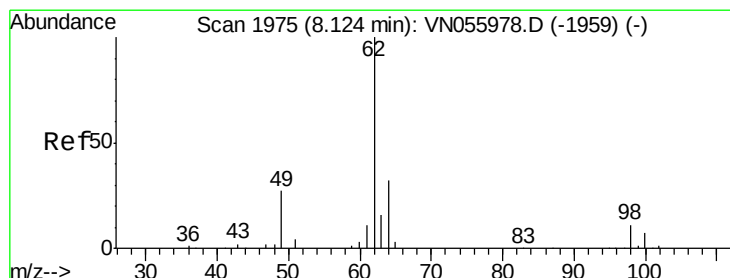
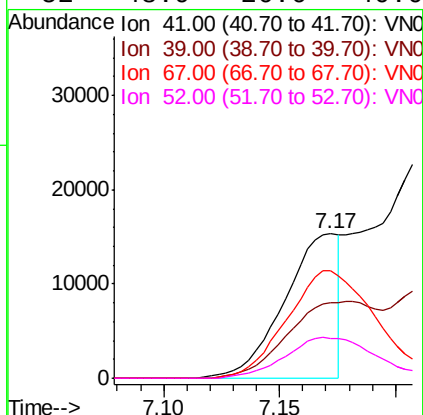
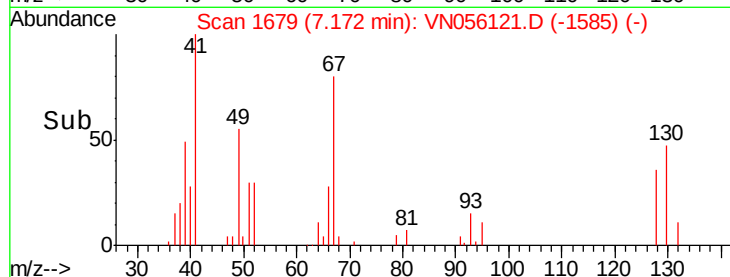
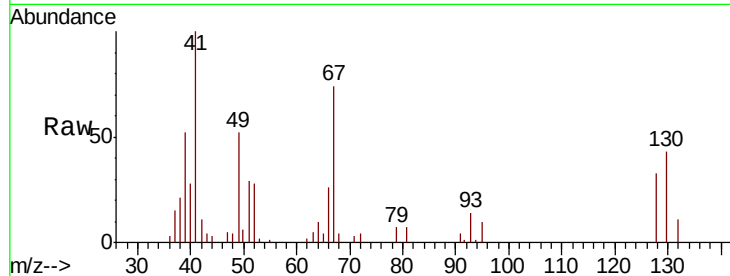




#41
Methacrylonitrile
Concen: 16.590 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

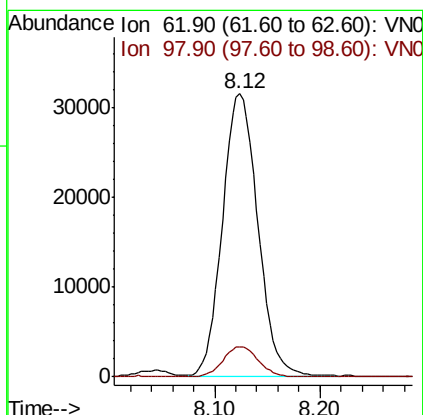
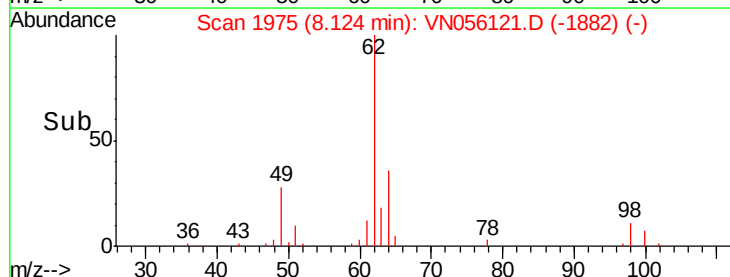
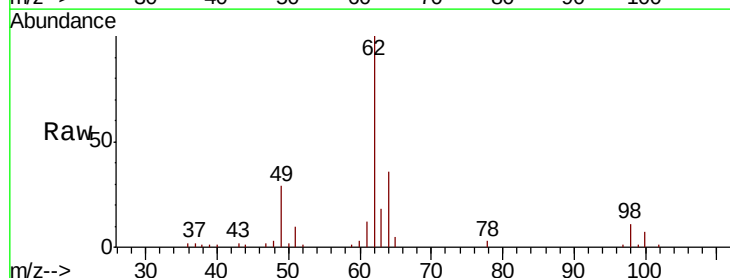
Instrument :
MSVOA_N
ClientSampled :

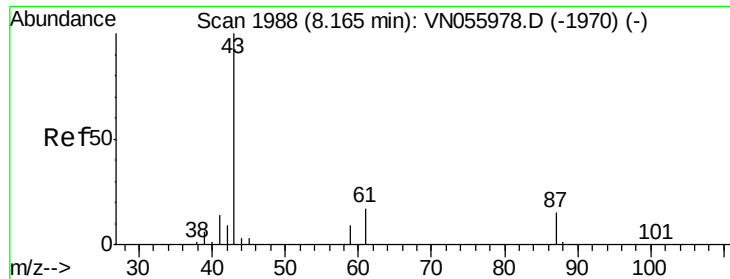
Tot Ion: 41 Resp: 24992
Ion Ratio Lower Upper
41 100
39 87.0 45.6 68.4#
67 123.8 67.7 101.5#
52 48.9 26.6 40.0#



#42
1,2-Dichloroethane
Concen: 20.525 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion: 62 Resp: 73789
Ion Ratio Lower Upper
62 100
98 10.4 0.0 20.2





#43

Isopropyl Acetate

Concen: 20.530 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

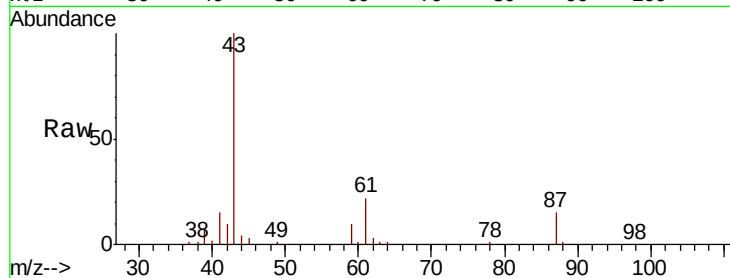
Tot Ion: 43 Resp: 108927

Ion Ratio Lower Upper

43 100

61 21.5 22.2 33.4#

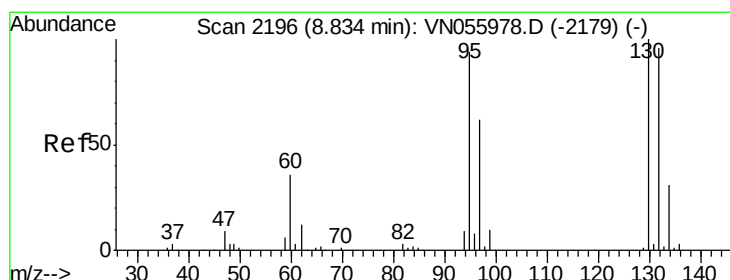
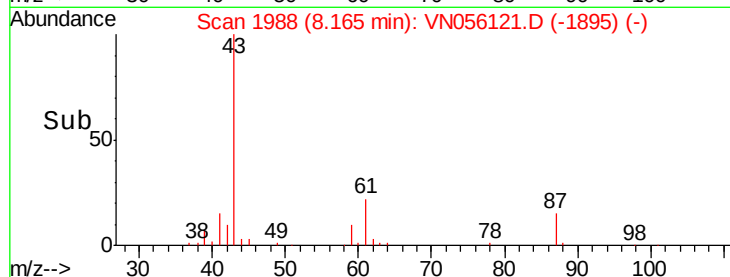
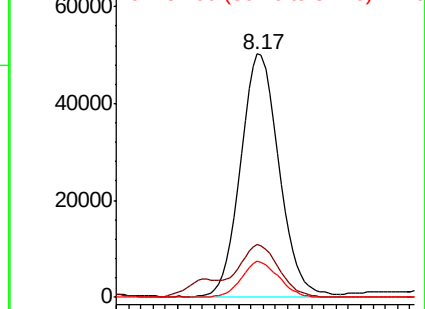
87 14.3 11.4 17.2



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: 19.638 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056121.D

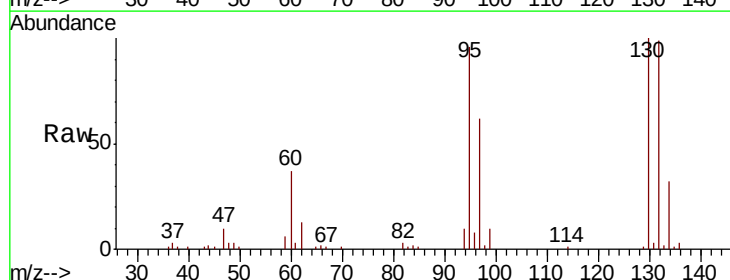
Acq: 8 Jun 2019 00:46

Tgt Ion:130 Resp: 63069

Ion Ratio Lower Upper

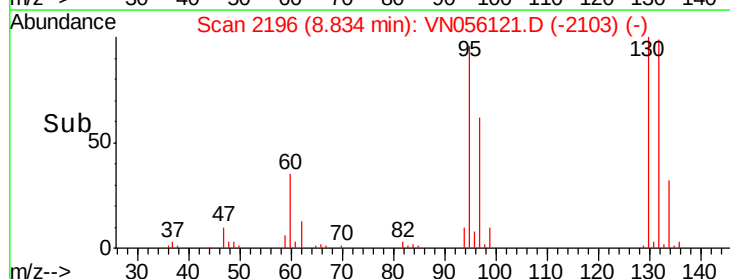
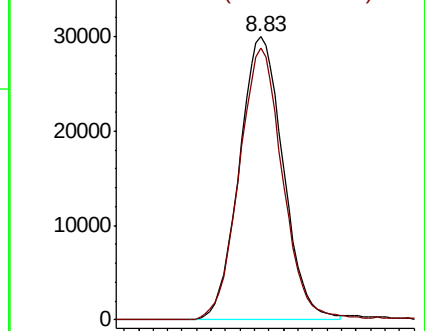
130 100

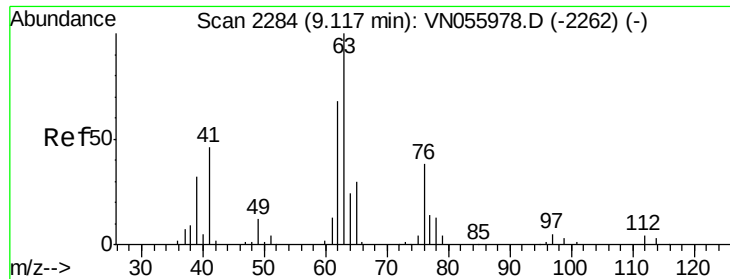
95 95.8 0.0 188.0



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

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

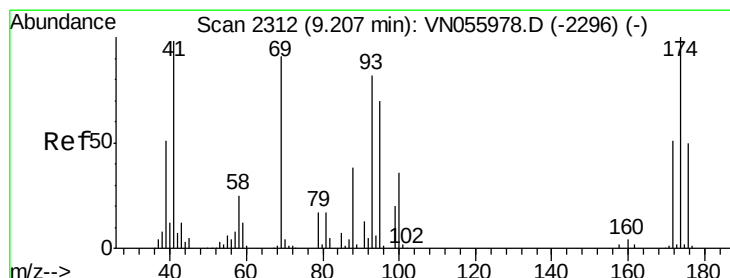
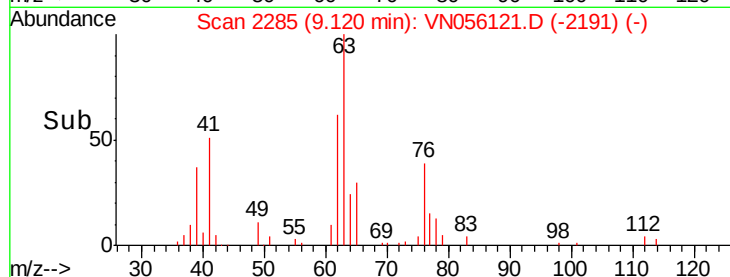
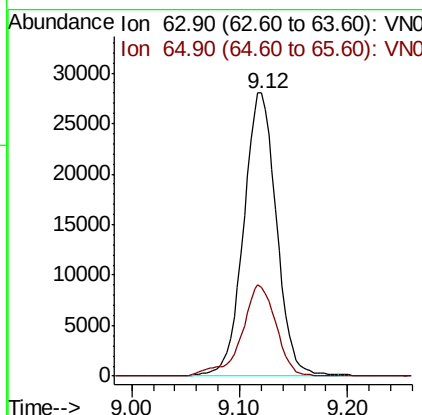
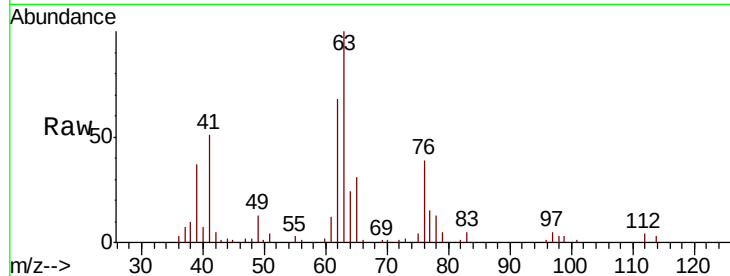




#45
 1,2-Dichloropropane
 Concen: 20.680 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

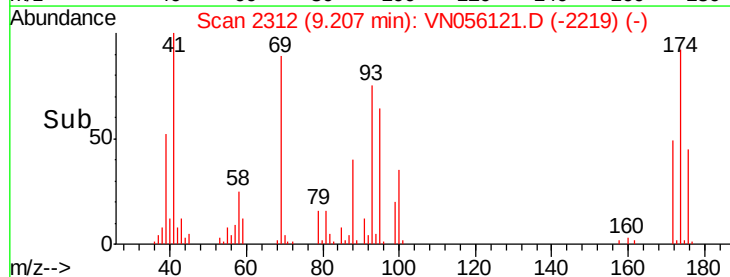
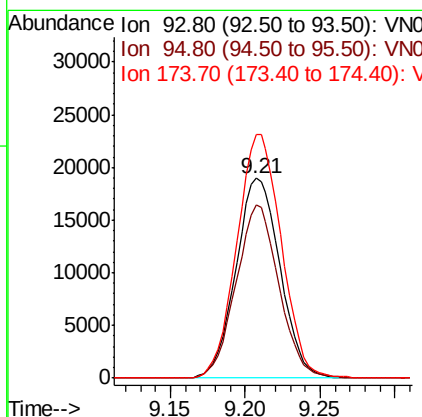
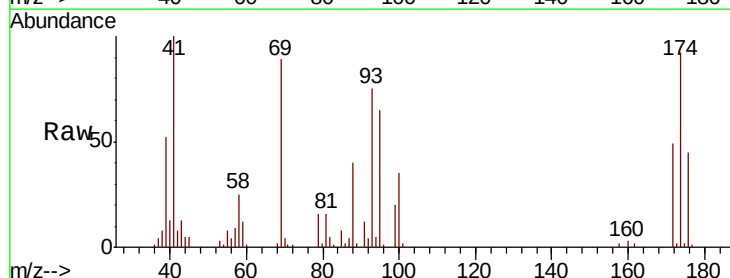
Instrument :
 MSVOA_N
 ClientSampled :

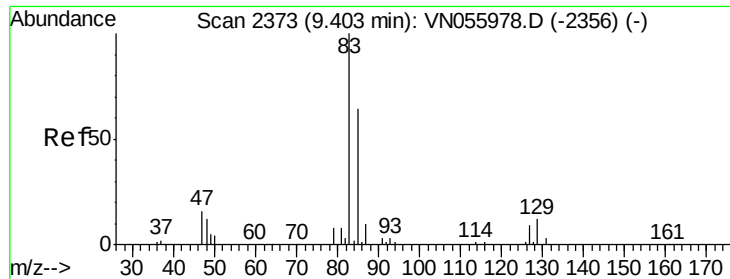
Tot Ion: 63 Resp: 59201
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.6 36.8



#46
 Dibromomethane
 Concen: 20.798 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Tgt Ion: 93 Resp: 38935
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.7 100.1
 174 123.0 96.4 144.6





#47

Bromodichloromethane

Concen: 19.545 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

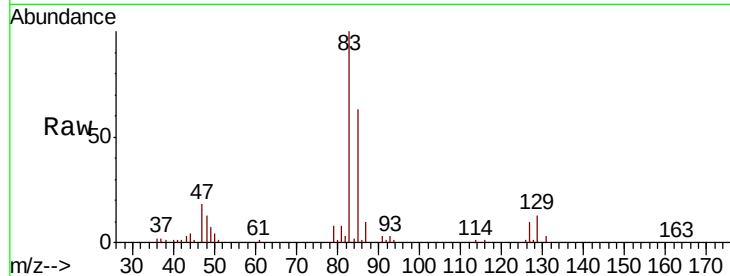
Tot Ion: 83 Resp: 66314

Ion Ratio Lower Upper

83 100

85 63.3 52.2 78.2

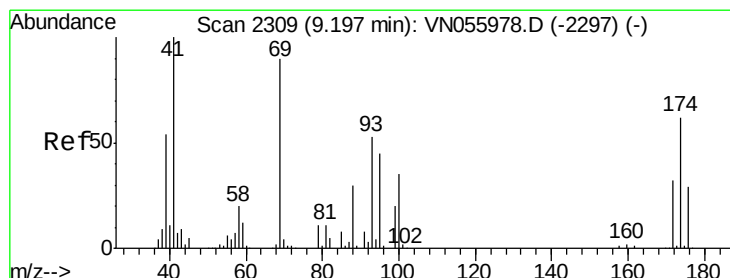
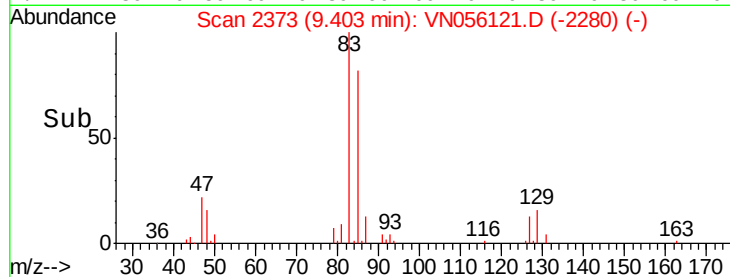
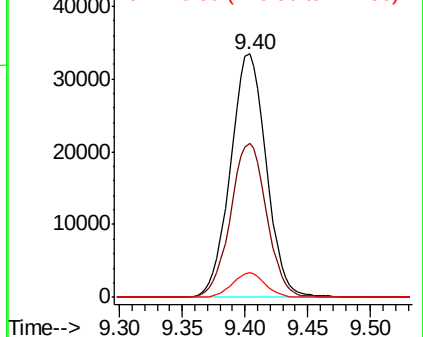
127 10.1 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN056121.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN056121.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN056121.D (-2280) (-)



#48

Methyl methacrylate

Concen: 21.350 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

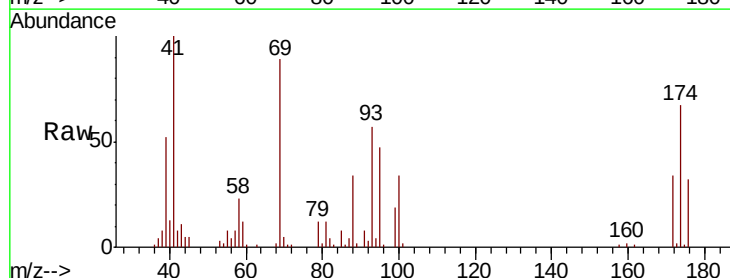
Tgt Ion: 41 Resp: 55417

Ion Ratio Lower Upper

41 100

69 89.8 71.0 106.6

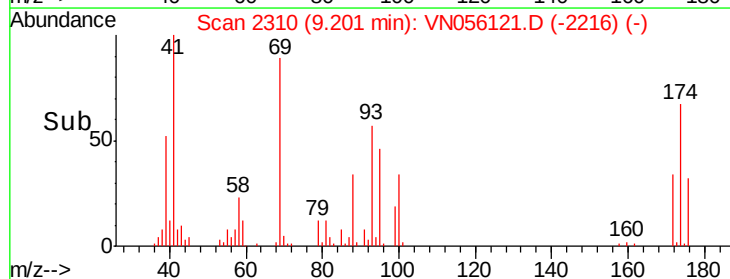
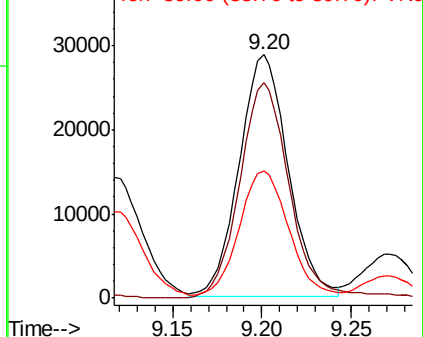
39 53.8 44.2 66.2

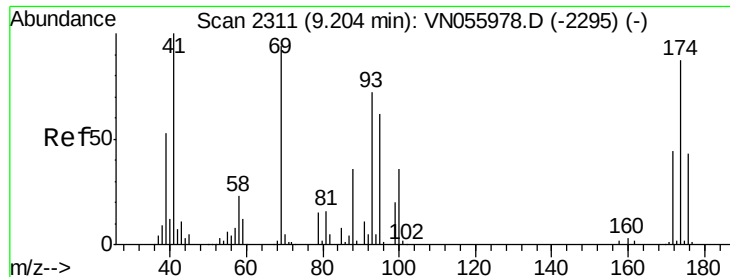


Abundance Ion 41.00 (40.70 to 41.70): VN056121.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN056121.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN056121.D (-2216) (-)





#49

1,4-Dioxane

Concen: 443.467 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

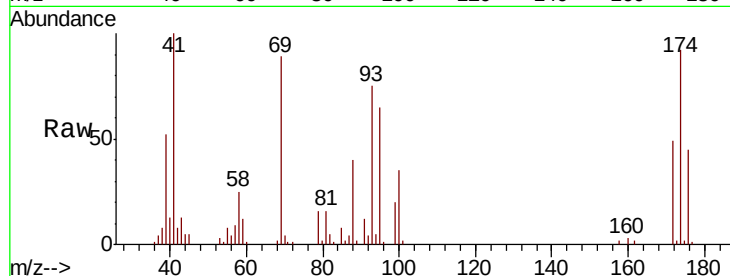
Tot Ion: 88 Resp: 24851

Ion Ratio Lower Upper

88 100

43 26.4 20.5 30.7

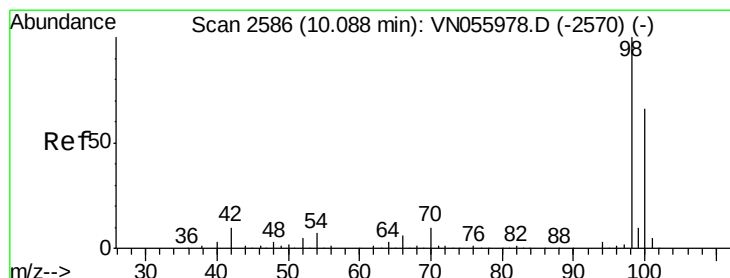
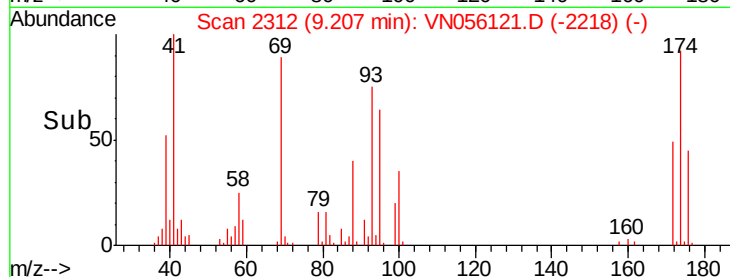
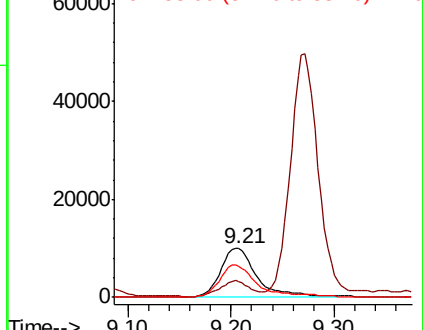
58 69.3 55.8 83.6



Abundance Ion 88.00 (87.70 to 88.70): VN055978.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN055978.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-2295) (-)



#50

Toluene-d8

Concen: 50.728 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056121.D

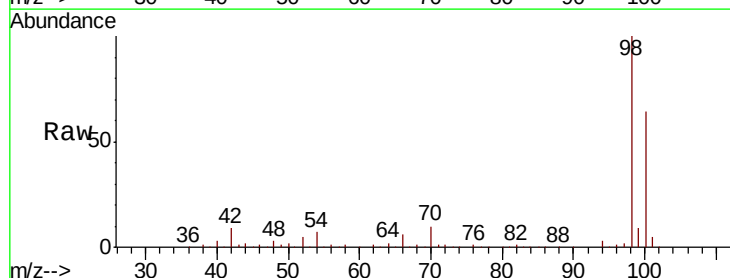
Acq: 8 Jun 2019 00:46

Tgt Ion: 98 Resp: 512530

Ion Ratio Lower Upper

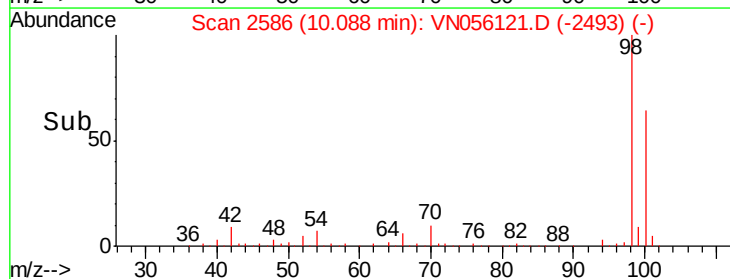
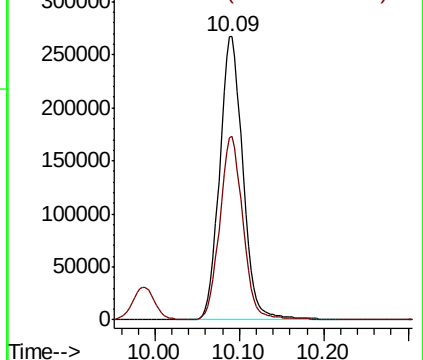
98 100

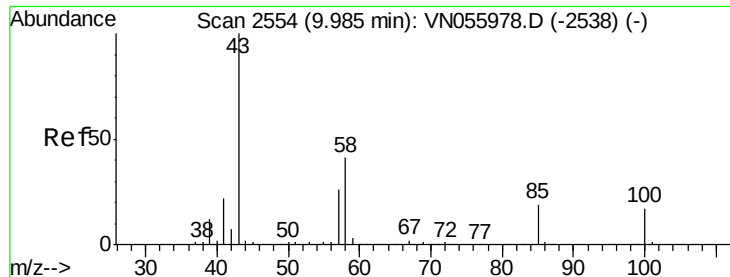
100 64.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 109.906 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

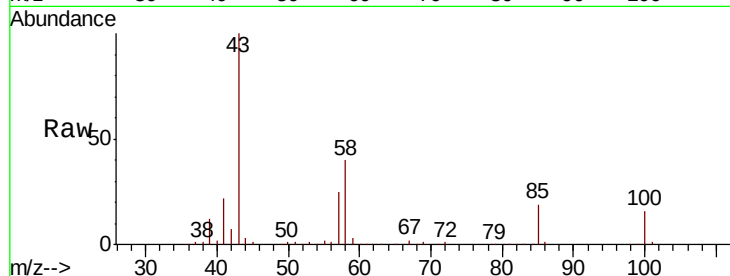
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 364660

Ion Ratio Lower Upper

43 100

58 40.4 32.1 48.1



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

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

200000

150000

100000

50000

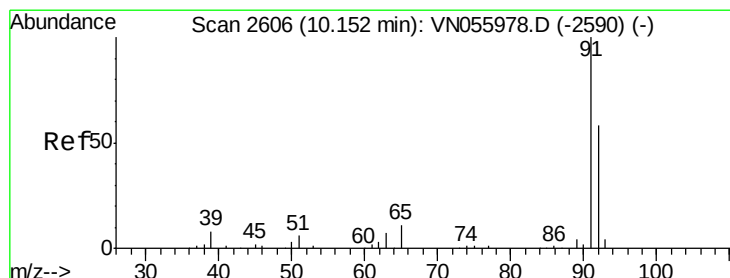
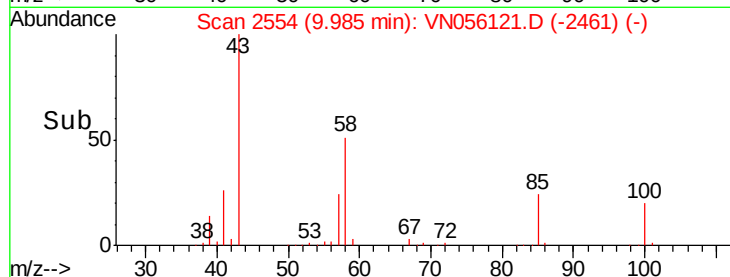
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 20.618 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056121.D

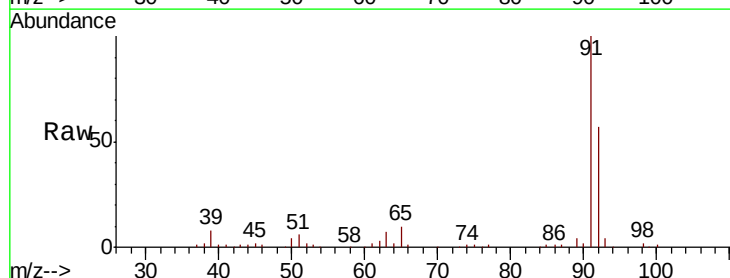
Acq: 8 Jun 2019 00:46

Tgt Ion: 92 Resp: 143393

Ion Ratio Lower Upper

92 100

91 174.5 139.4 209.2



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

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

150000

100000

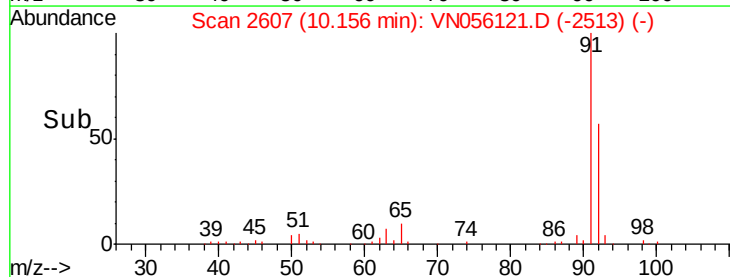
50000

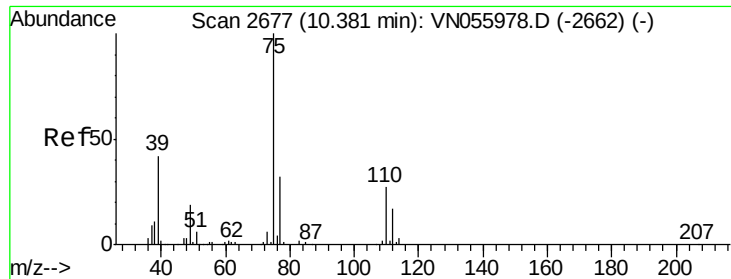
0

10.10

10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.256 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

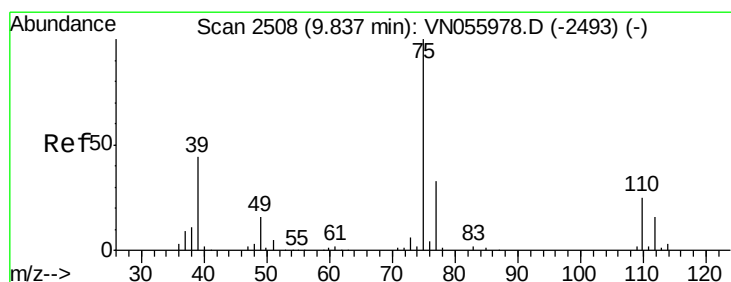
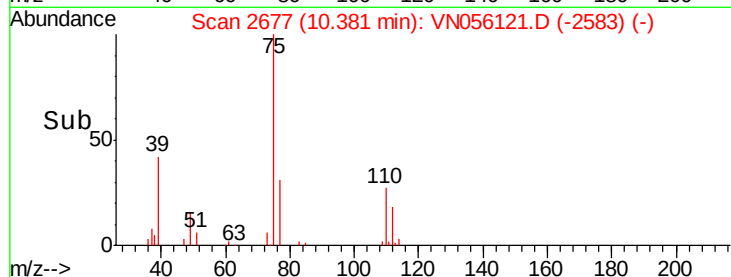
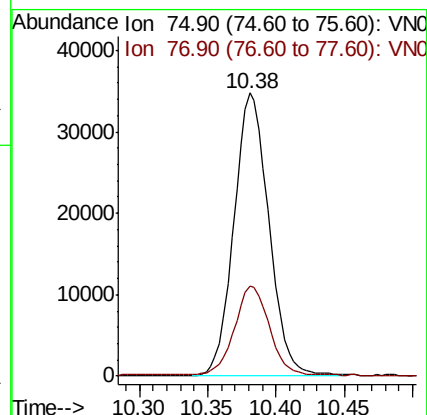
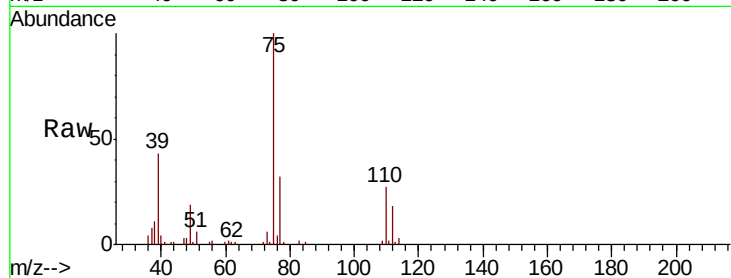
ClientSampleId :

Tot Ion: 75 Resp: 62083

Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 18.579 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

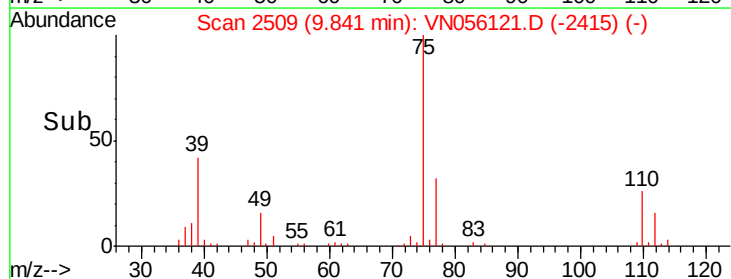
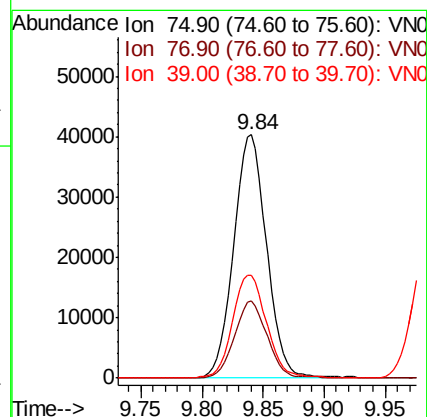
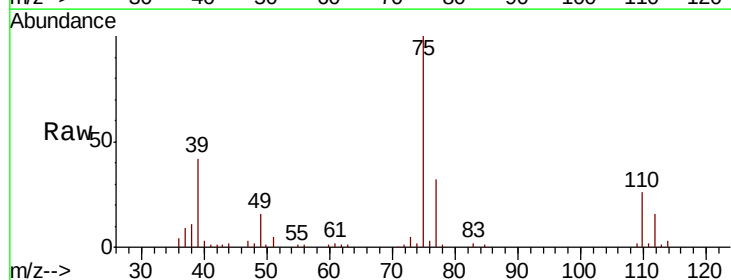
Tgt Ion: 75 Resp: 75770

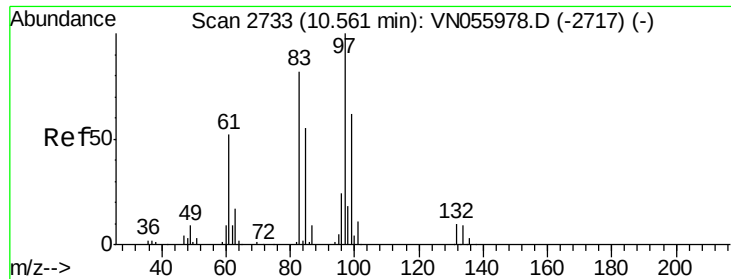
Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0

39 42.0 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 20.940 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 57687

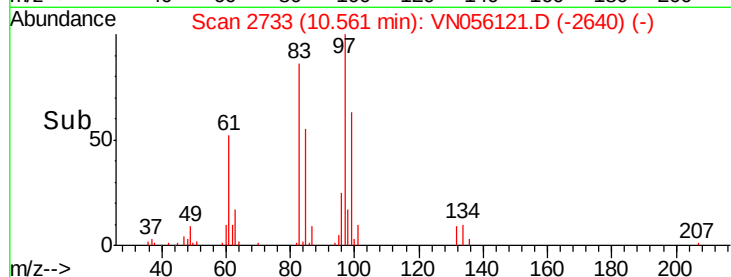
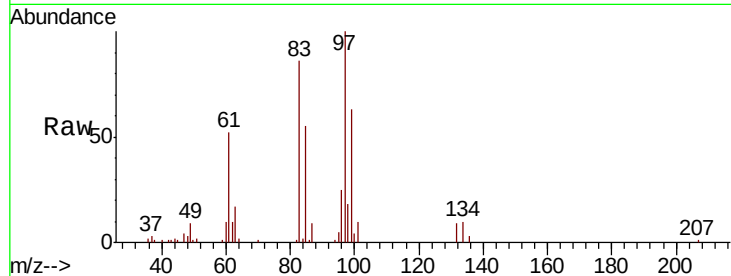
Ion	Ratio	Lower	Upper
97	100		
83	86.2	67.0	100.6
85	55.5	44.0	66.0
99	63.2	50.6	75.8

97 100

83 86.2 67.0 100.6

85 55.5 44.0 66.0

99 63.2 50.6 75.8



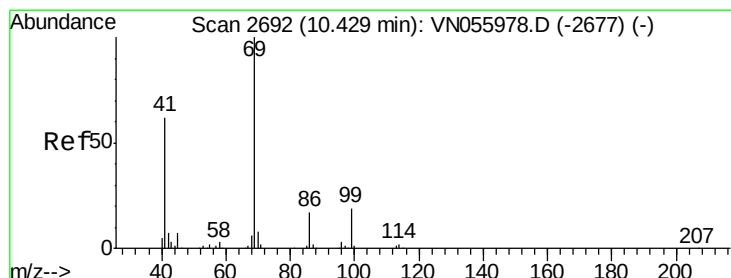
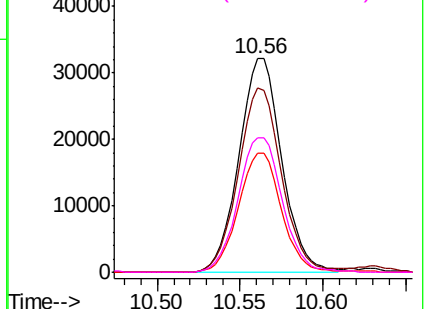
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 20.930 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

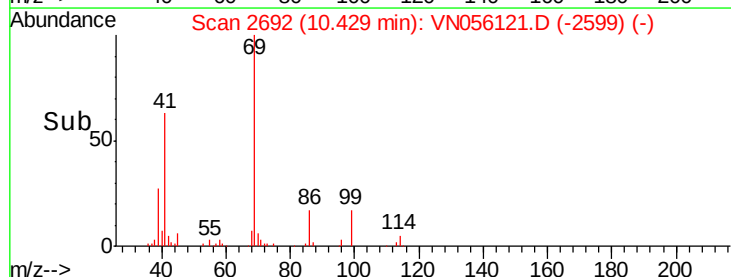
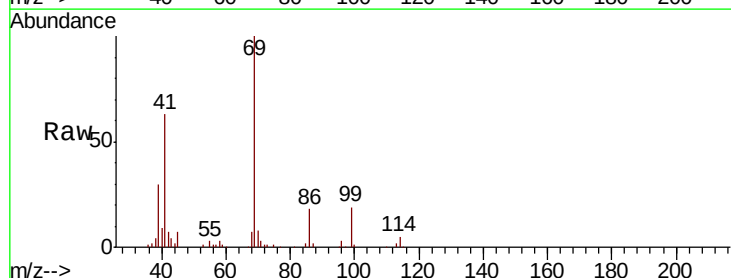
Tgt Ion: 69 Resp: 84118

Ion	Ratio	Lower	Upper
69	100		
41	61.1	49.7	74.5
39	29.1	24.7	37.1

69 100

41 61.1 49.7 74.5

39 29.1 24.7 37.1

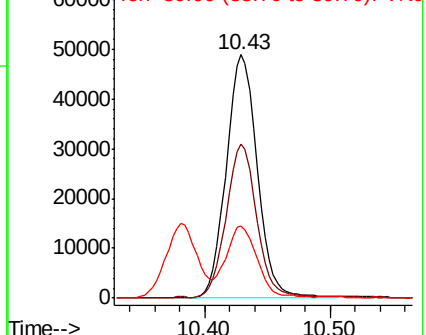


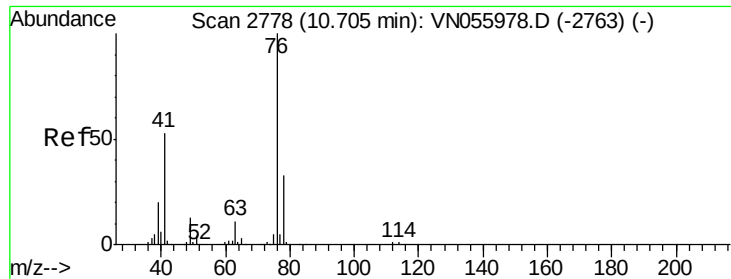
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

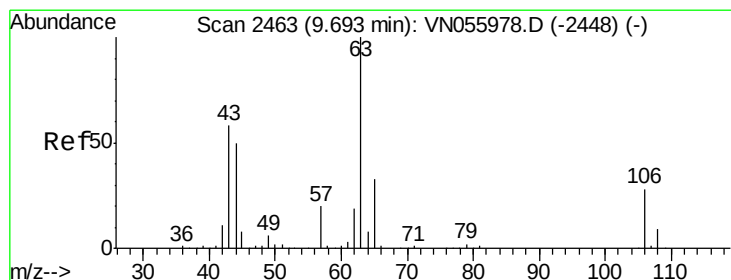
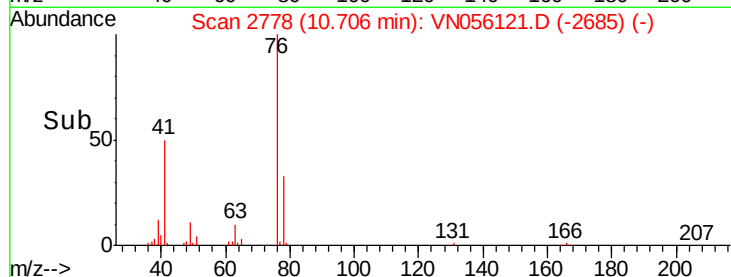
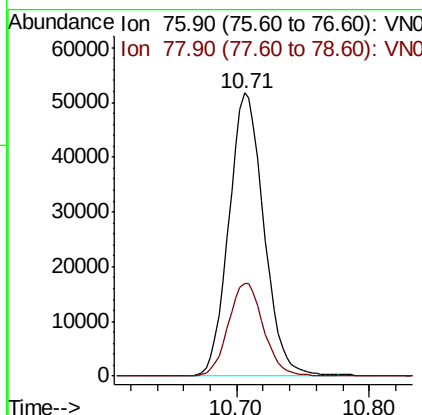
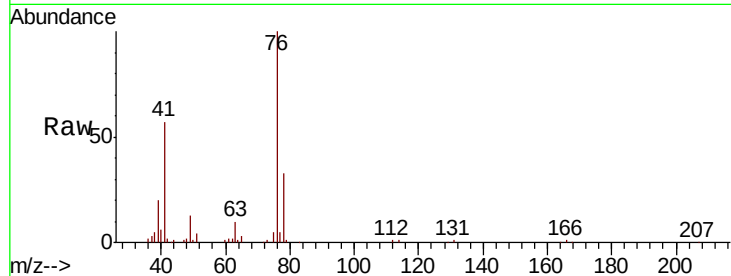




#57
 1,3-Dichloropropane
 Concen: 21.155 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

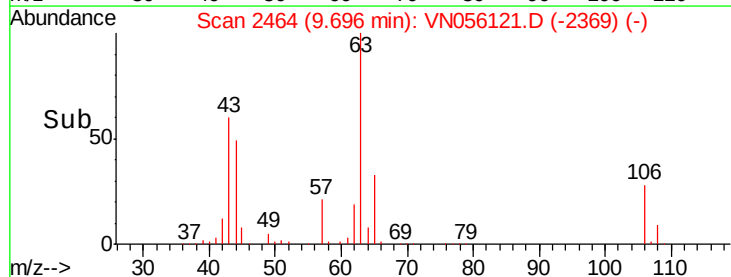
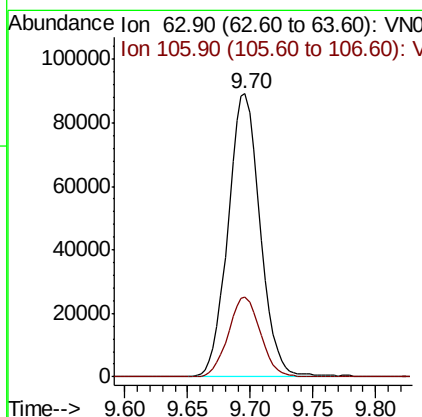
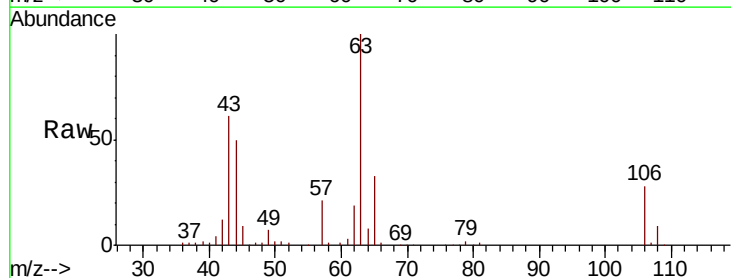
Instrument :
 MSVOA_N
 ClientSampleId :

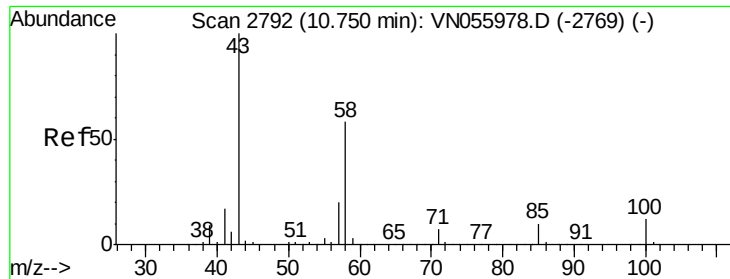
Tot Ion: 76 Resp: 94739
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.418 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Tgt Ion: 63 Resp: 158492
 Ion Ratio Lower Upper
 63 100
 106 28.2 22.7 34.1

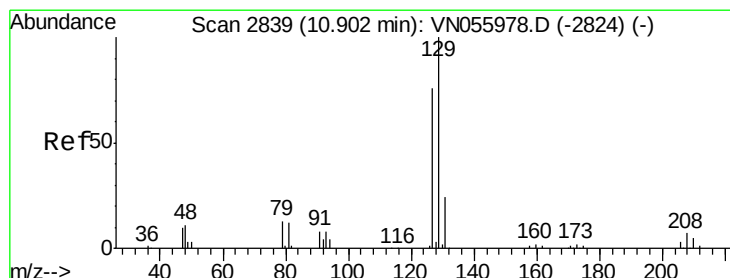
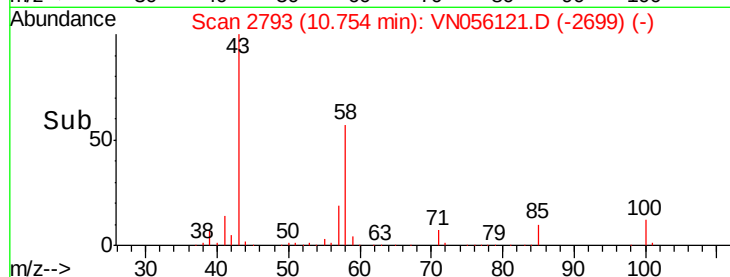
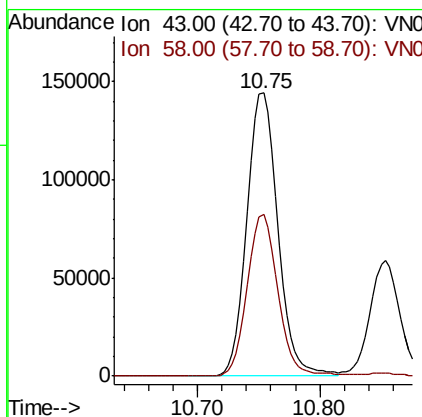
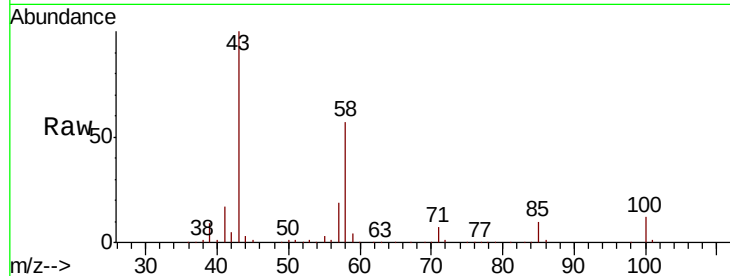




#59
2-Hexanone
Concen: 105.188 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

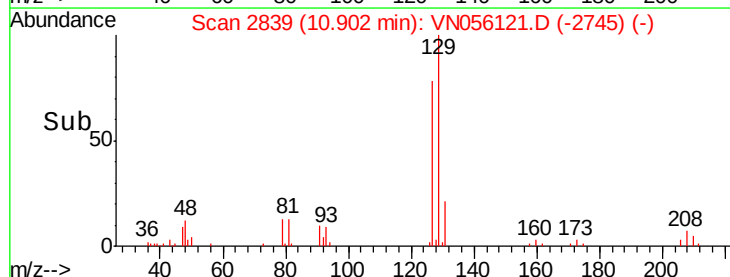
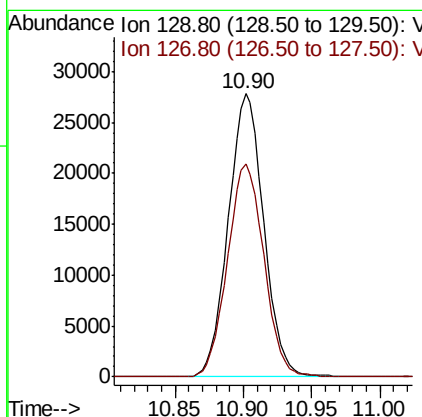
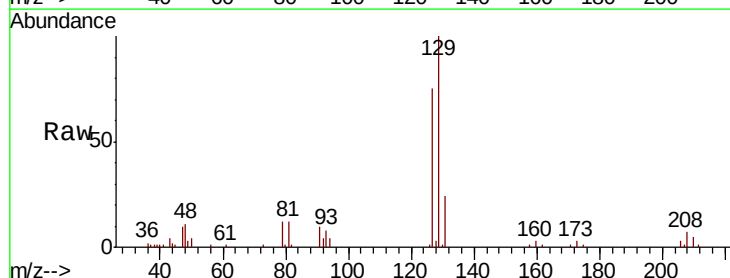
Instrument :
MSVOA_N
ClientSampleId :

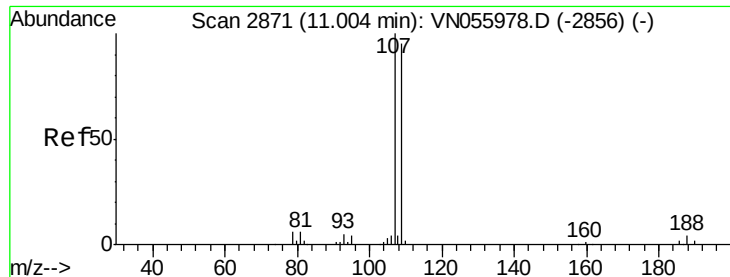
Tot Ion: 43 Resp: 252952
Ion Ratio Lower Upper
43 100
58 56.3 28.2 84.7



#60
Dibromochloromethane
Concen: 18.148 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion: 129 Resp: 50150
Ion Ratio Lower Upper
129 100
127 77.3 38.1 114.3

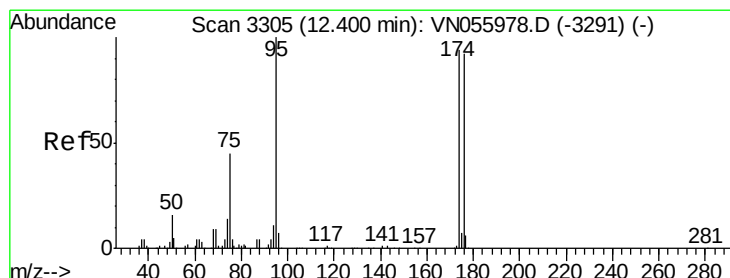
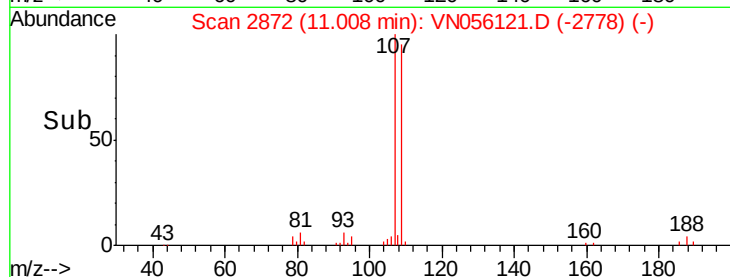
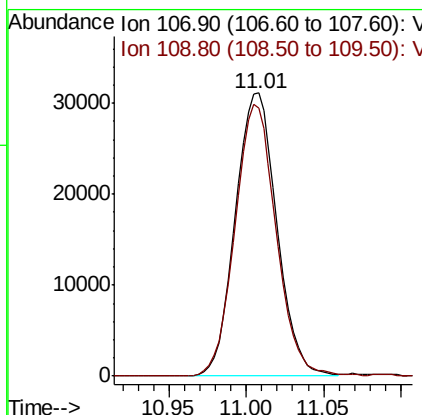
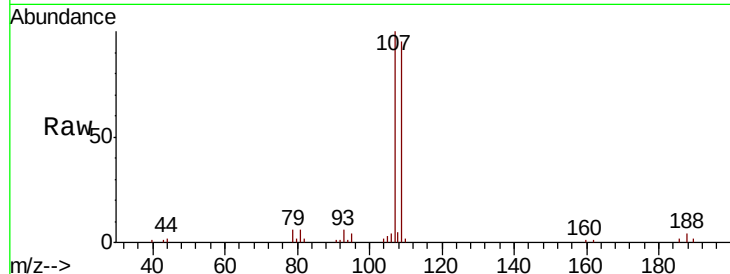




#61
 1,2-Dibromoethane
 Concen: 20.633 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

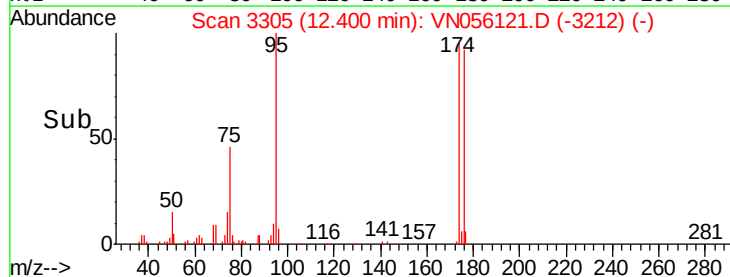
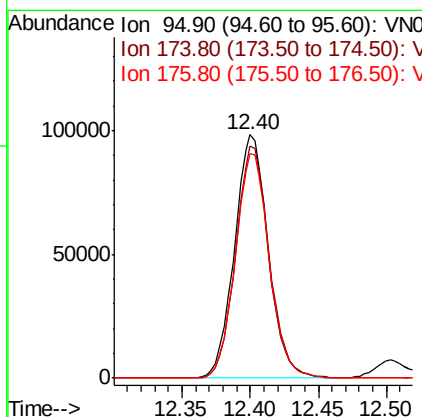
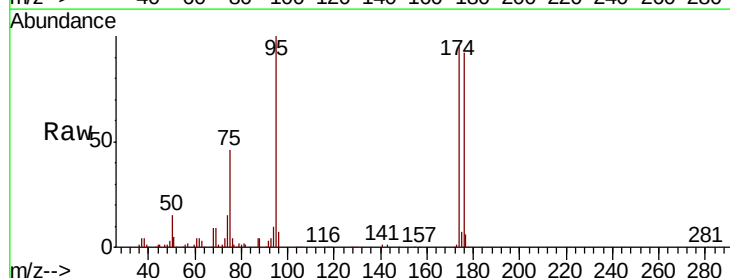
Instrument :
 MSVOA_N
 ClientSampleId :

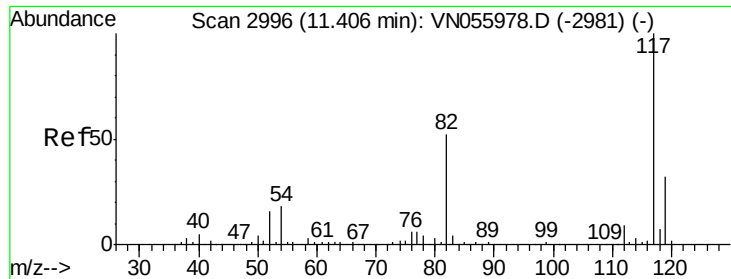
Tot Ion:107 Resp: 58109
 Ion Ratio Lower Upper
 107 100
 109 95.2 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 48.963 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Tgt Ion: 95 Resp: 168235
 Ion Ratio Lower Upper
 95 100
 174 95.0 0.0 191.0
 176 92.4 0.0 185.2

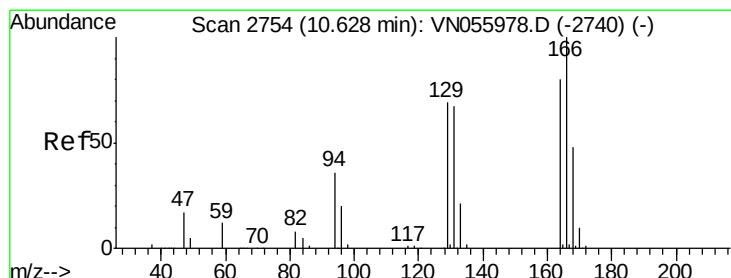
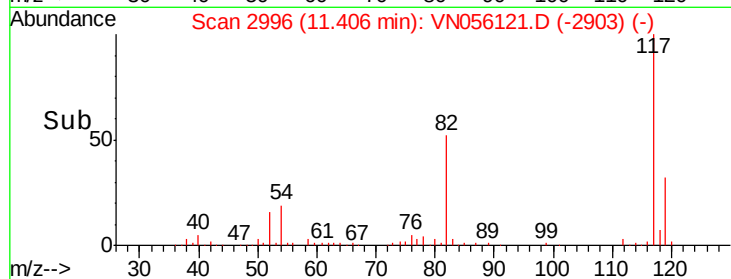
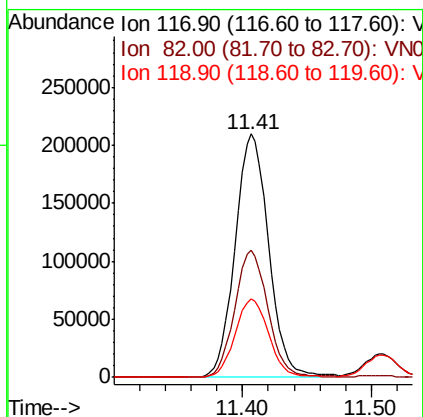
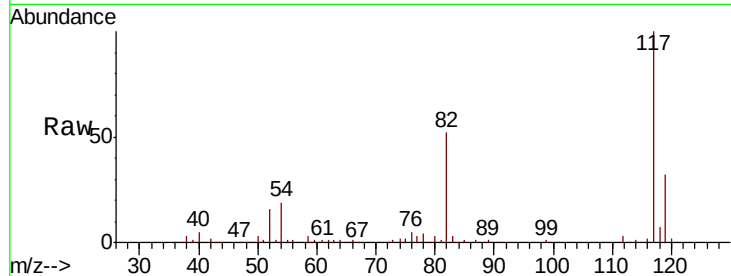




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

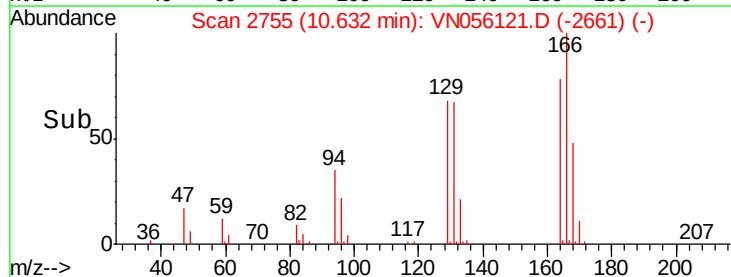
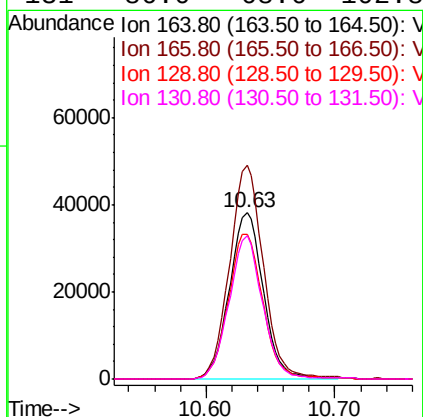
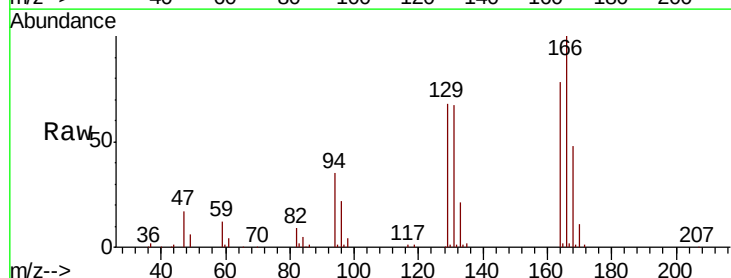
Instrument :
MSVOA_N
ClientSampled :

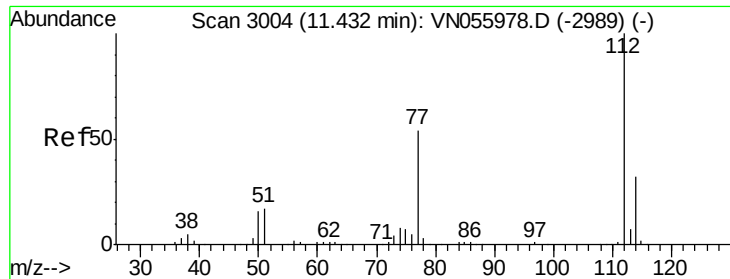
Tot Ion:117 Resp: 380947
Ion Ratio Lower Upper
117 100
82 52.1 41.8 62.8
119 32.1 25.4 38.0



#64
Tetrachloroethene
Concen: 21.189 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion:164 Resp: 69870
Ion Ratio Lower Upper
164 100
166 128.6 103.0 154.6
129 87.3 70.6 105.8
131 86.0 68.6 102.8

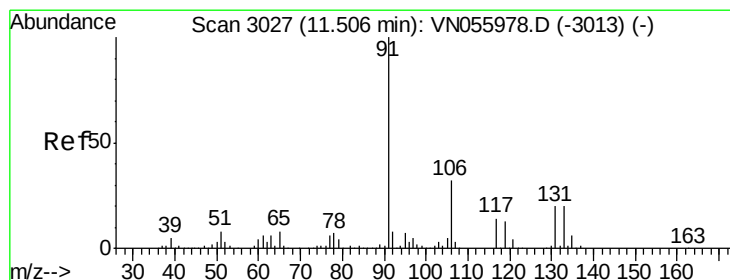
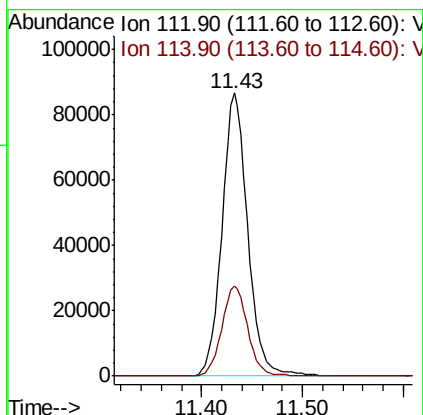
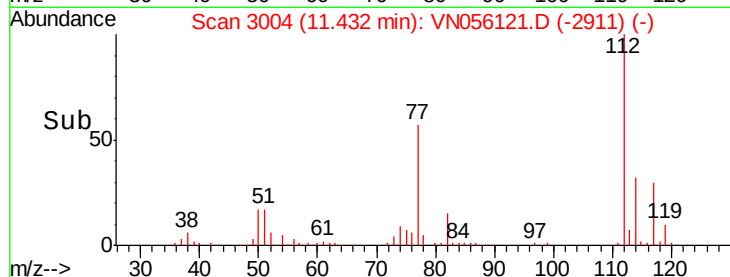
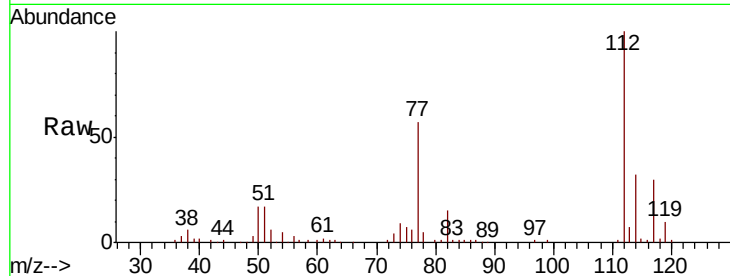




#65
Chlorobenzene
Concen: 20.277 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

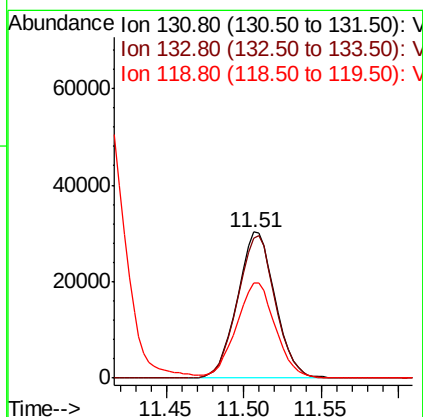
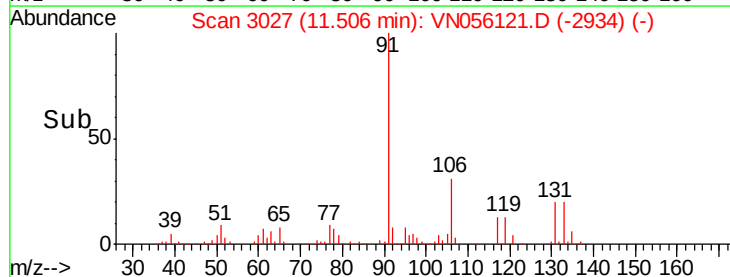
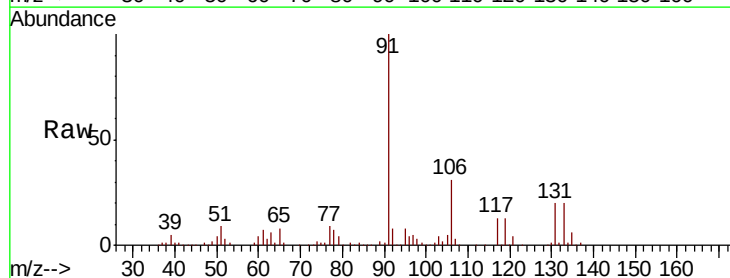
Instrument :
MSVOA_N
ClientSampled :

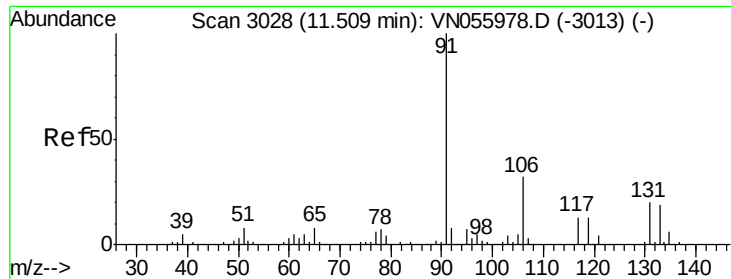
Tot Ion:112 Resp: 153730
Ion Ratio Lower Upper
112 100
114 31.8 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.663 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion:131 Resp: 51475
Ion Ratio Lower Upper
131 100
133 97.7 48.0 144.0
119 67.4 33.1 99.5

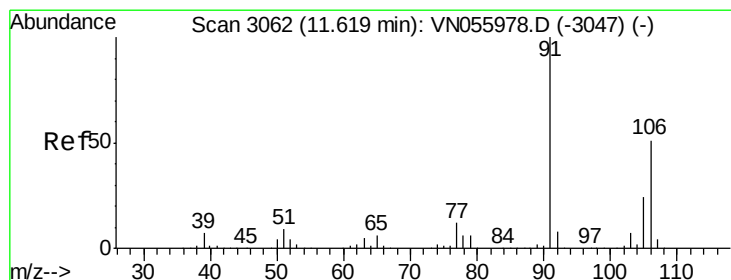
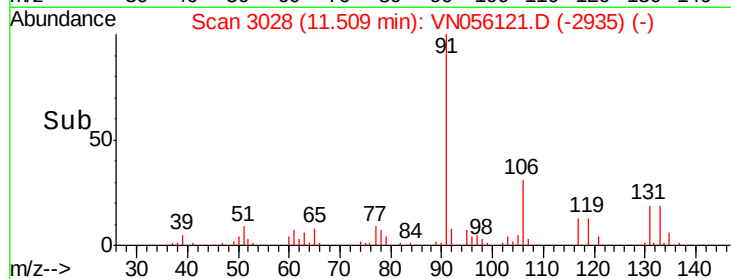
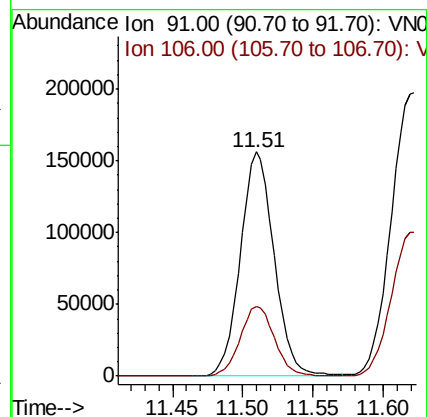
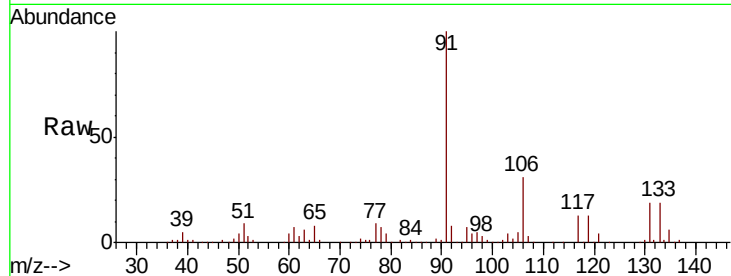




#67
Ethyl Benzene
Concen: 19.936 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

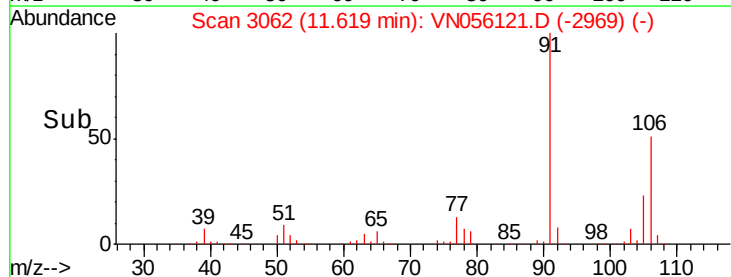
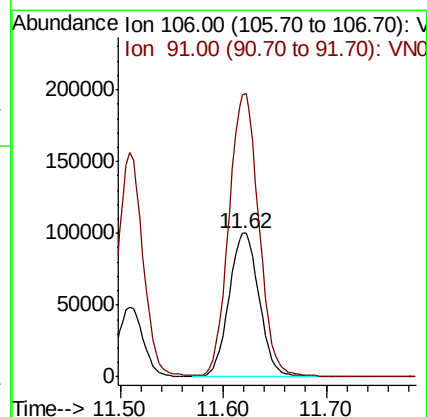
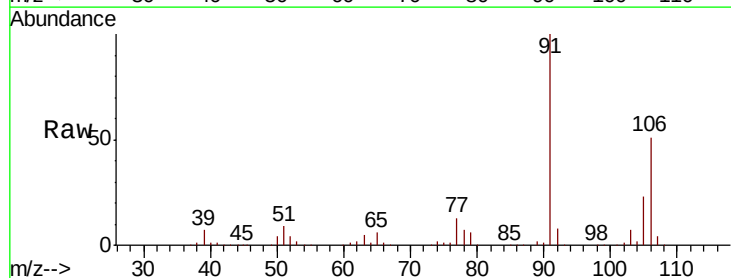
Instrument :
MSVOA_N
ClientSampled :

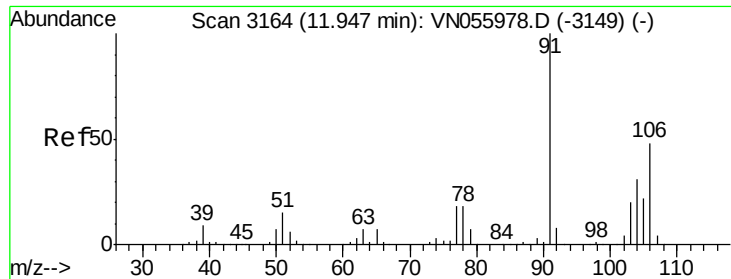
Tot Ion: 91 Resp: 262816
Ion Ratio Lower Upper
91 100
106 31.3 25.1 37.7



#68
m/p-Xylenes
Concen: 40.539 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion: 106 Resp: 204161
Ion Ratio Lower Upper
106 100
91 196.1 159.3 238.9

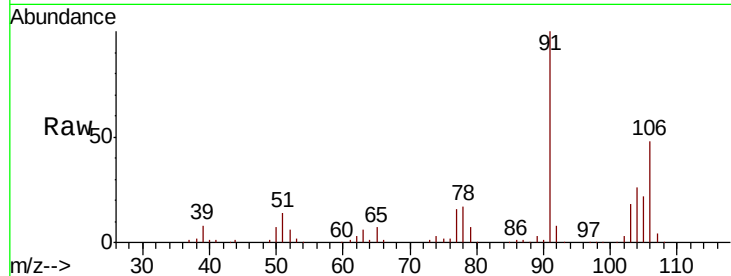




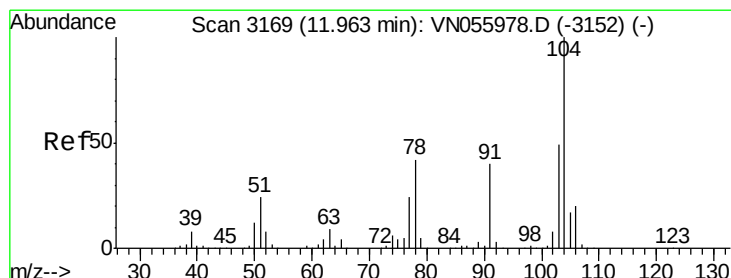
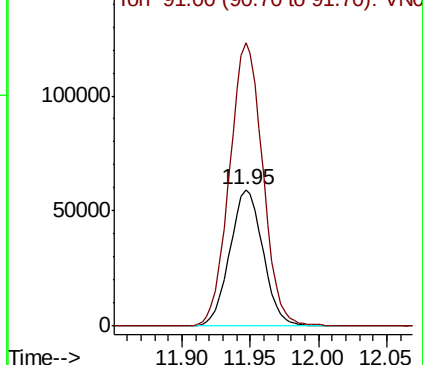
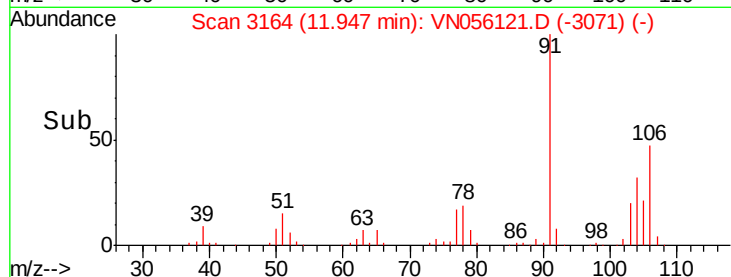
#69
o-Xylene
Concen: 20.211 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 100120
Ion Ratio Lower Upper
106 100
91 208.3 104.7 314.1

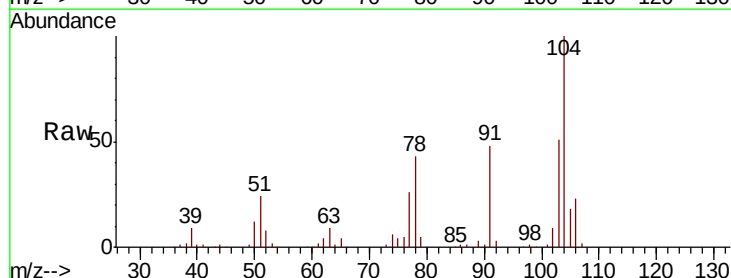


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

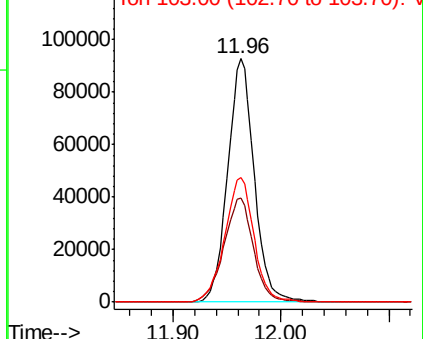
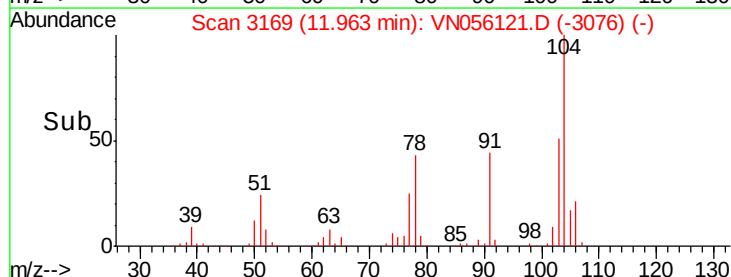


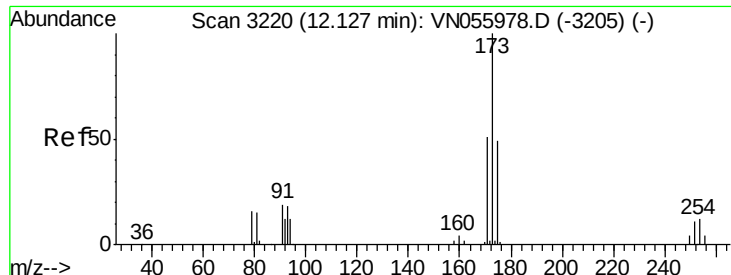
#70
Styrene
Concen: 20.254 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion:104 Resp: 159416
Ion Ratio Lower Upper
104 100
78 47.5 37.8 56.6
103 56.2 44.2 66.2



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

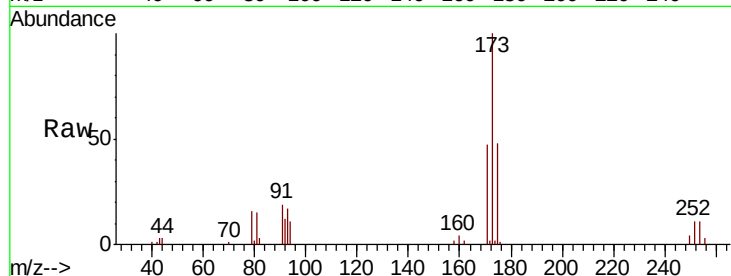




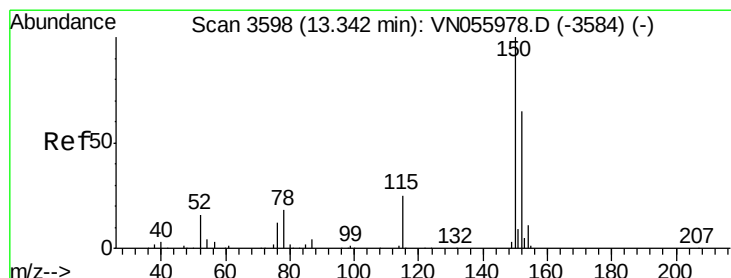
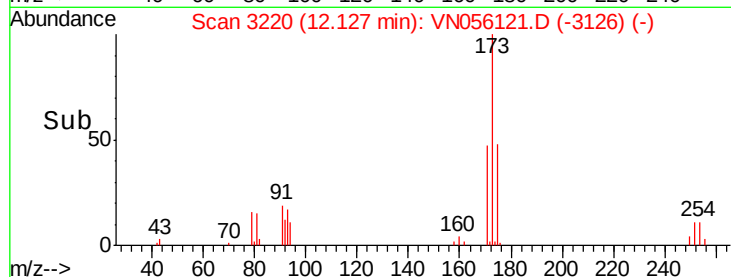
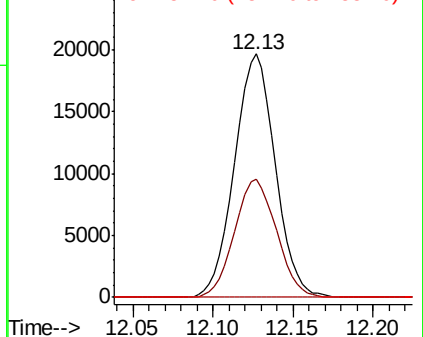
#71
Bromoform
Concen: 17.409 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 34105
Ion Ratio Lower Upper
173 100
175 49.9 24.3 72.8
254 0.0 0.0 0.0

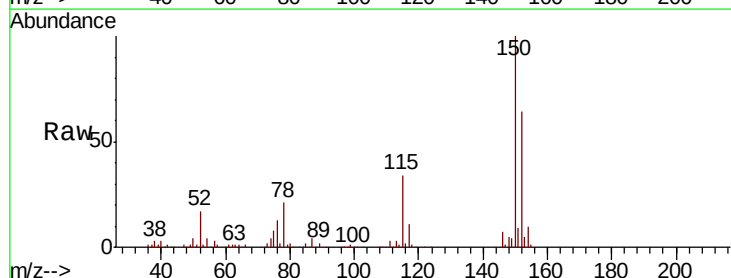


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

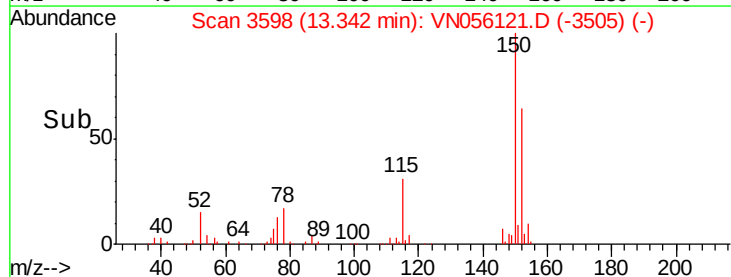
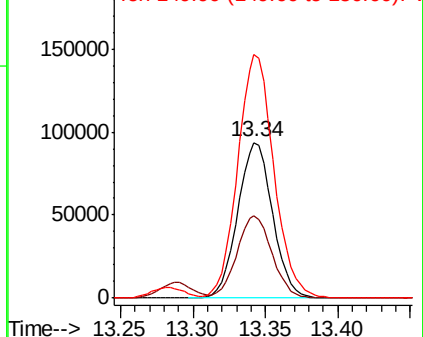


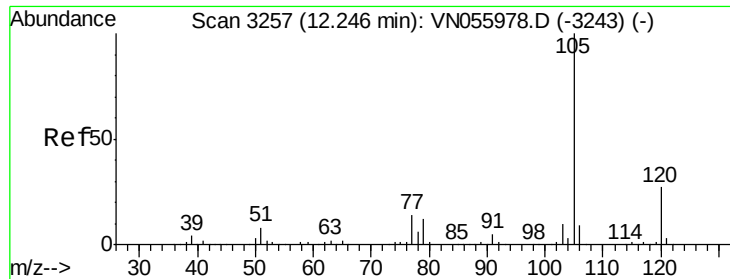
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion:152 Resp: 156145
Ion Ratio Lower Upper
152 100
115 53.3 27.0 81.0
150 162.5 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: 22.363 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

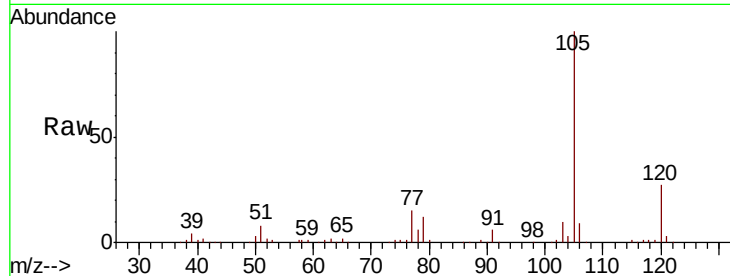
ClientSampleId :

Tot Ion:105 Resp: 263792

Ion Ratio Lower Upper

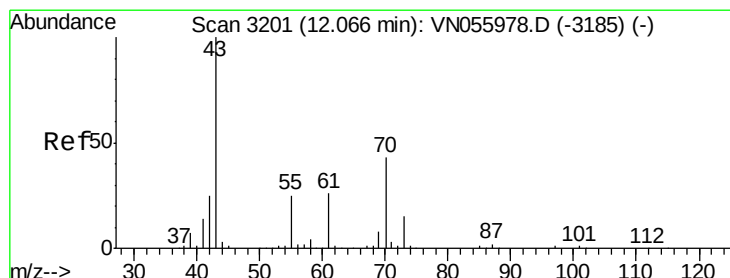
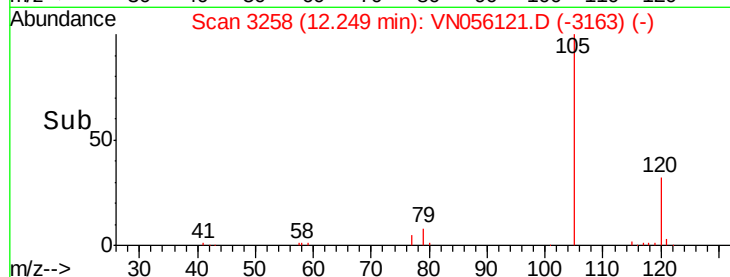
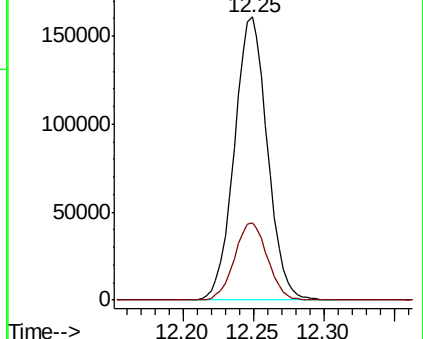
105 100

120 27.3 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: 21.265 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Tgt Ion: 43 Resp: 88509

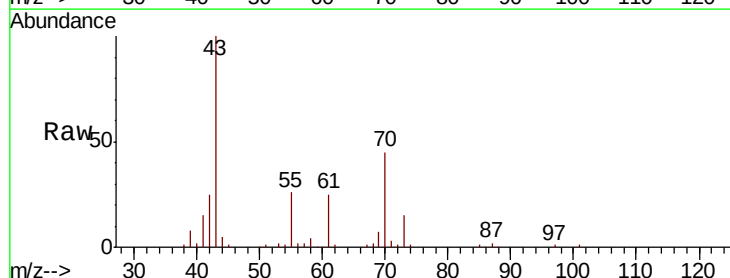
Ion Ratio Lower Upper

43 100

70 44.1 34.0 51.0

55 25.8 18.6 28.0

61 25.1 20.0 30.0

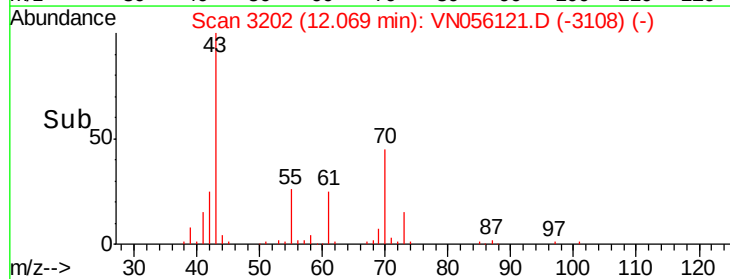
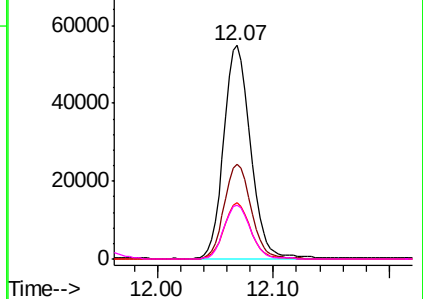


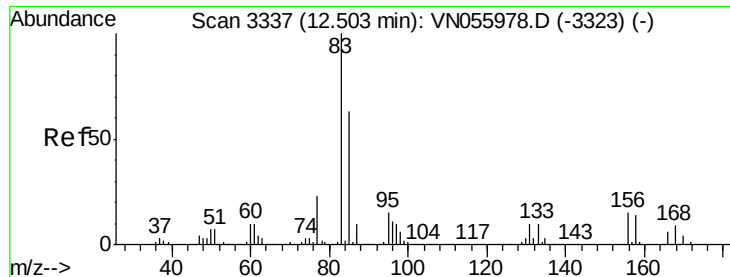
Abundance Ion 43.00 (42.70 to 43.70): V

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: 21.687 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

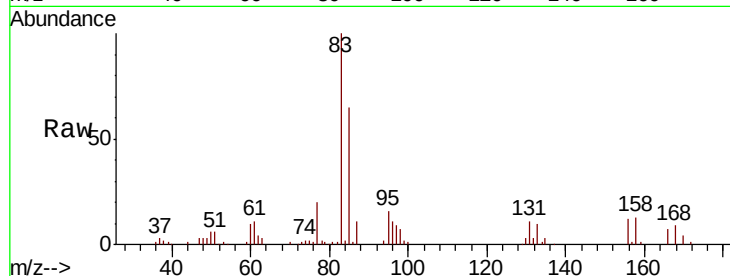
Tot Ion: 83 Resp: 78611

Ion Ratio Lower Upper

83 100

131 10.9 5.4 16.2

85 65.6 32.4 97.0



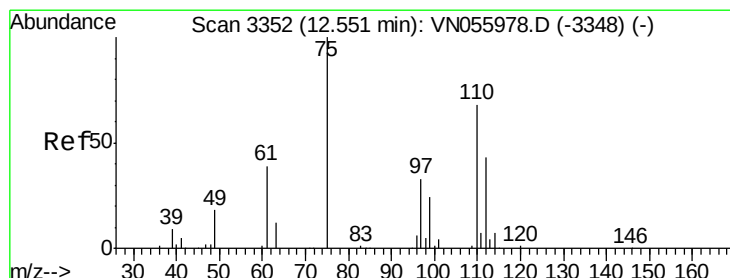
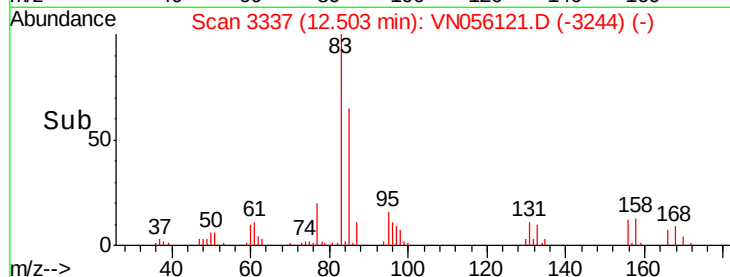
Abundance Ion 82.90 (82.60 to 83.60): VN056121.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN056121.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN056121.D (-3244) (-)

12.50

Time-->



#76

1,2,3-Trichloropropane

Concen: 30.949 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056121.D

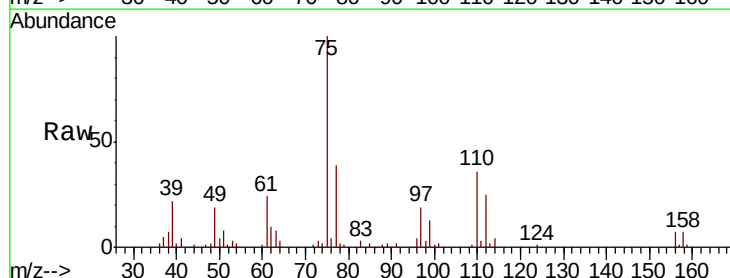
Acq: 8 Jun 2019 00:46

Tgt Ion: 75 Resp: 88922

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

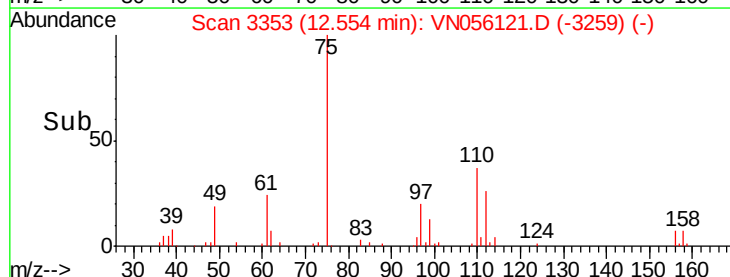


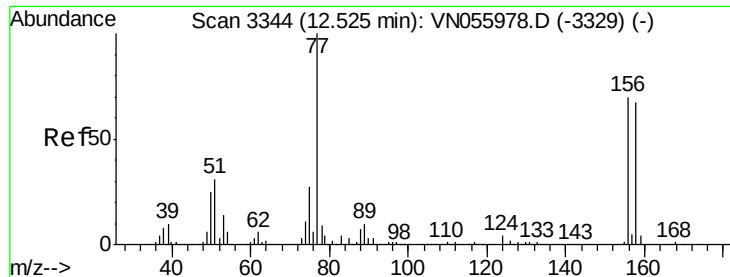
Abundance Ion 74.90 (74.60 to 75.60): VN056121.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN056121.D (-3259) (-)

12.55

Time-->





#77

Bromobenzene

Concen: 20.753 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

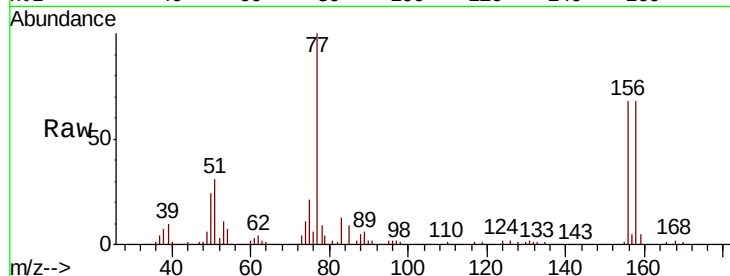
Tot Ion:156 Resp: 69379

Ion Ratio Lower Upper

156 100

77 176.1 90.8 272.5

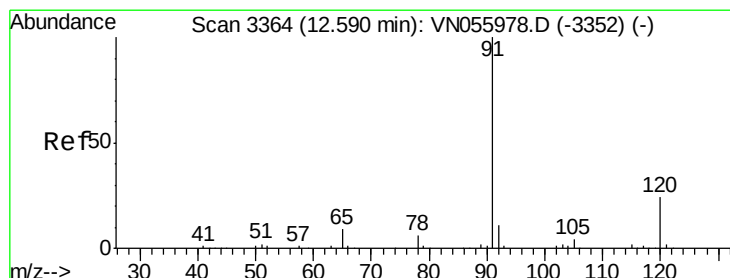
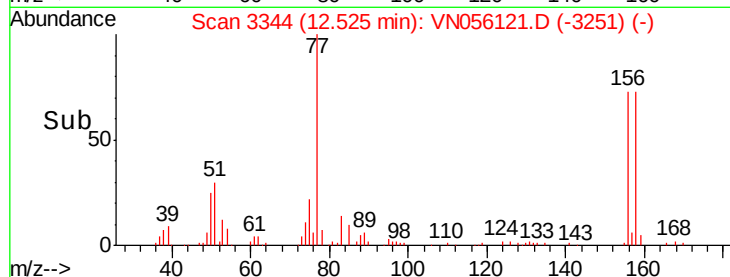
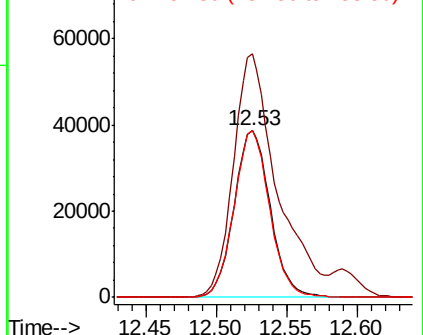
158 98.5 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.457 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056121.D

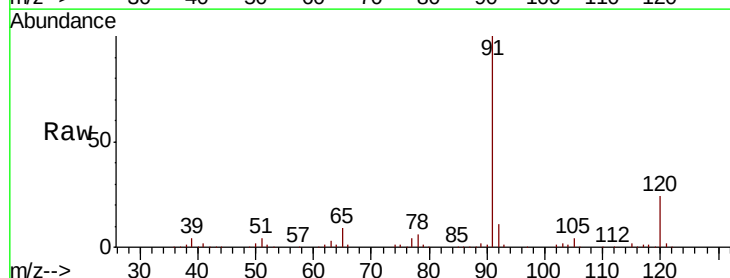
Acq: 8 Jun 2019 00:46

Tgt Ion: 91 Resp: 270232

Ion Ratio Lower Upper

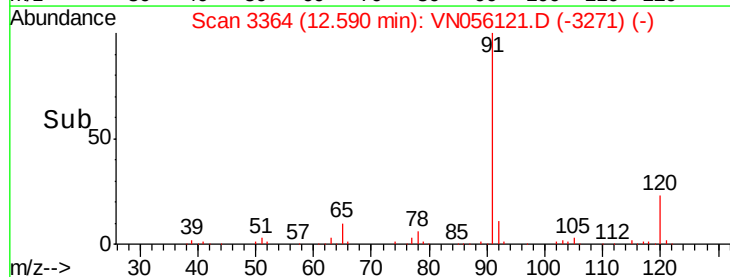
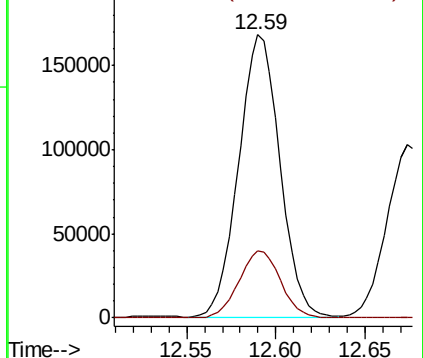
91 100

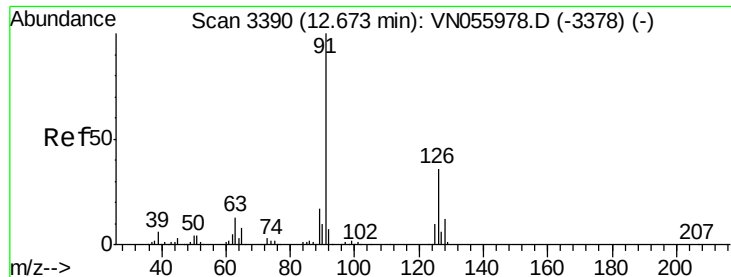
120 23.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.140 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

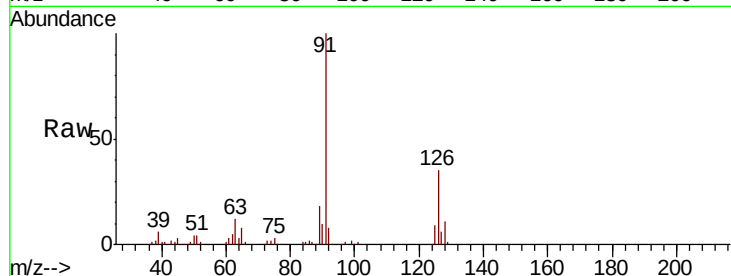
ClientSampled :

Tot Ion: 91 Resp: 171703

Ion Ratio Lower Upper

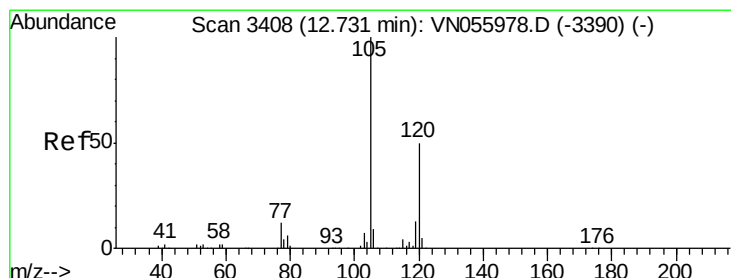
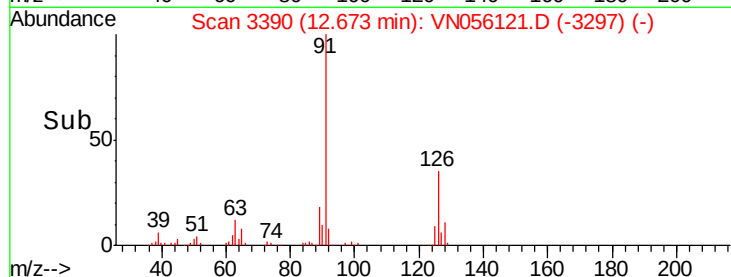
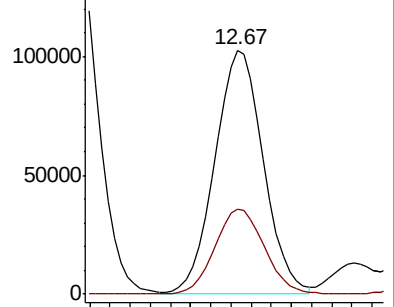
91 100

126 35.7 18.1 54.4



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

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



#80

1,3,5-Trimethylbenzene

Concen: 20.612 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056121.D

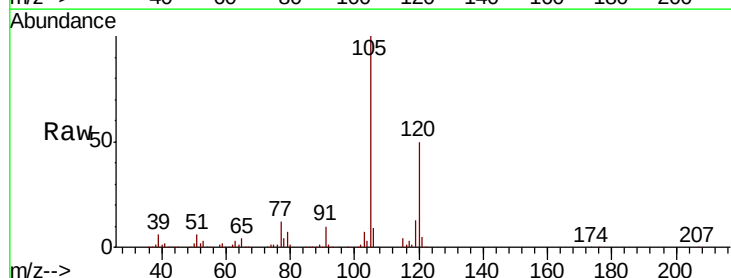
Acq: 8 Jun 2019 00:46

Tgt Ion: 105 Resp: 216392

Ion Ratio Lower Upper

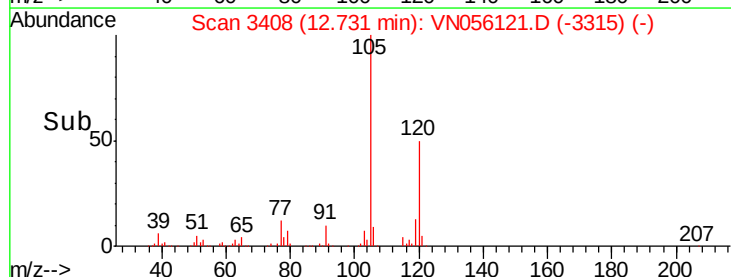
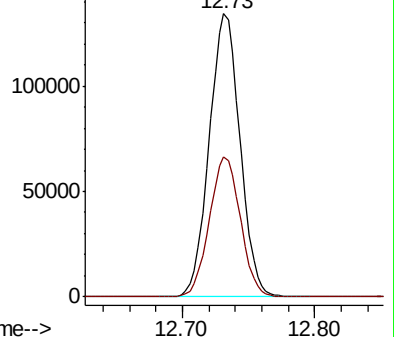
105 100

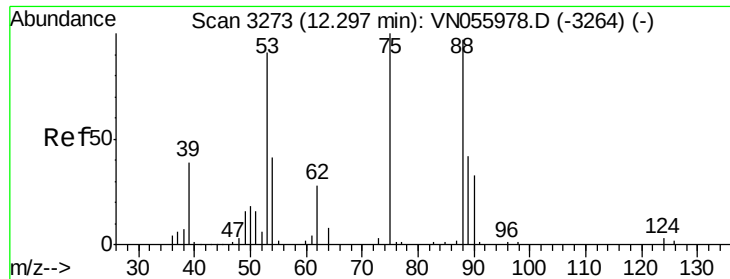
120 49.8 24.7 74.1



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

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





#81

trans-1,4-Dichloro-2-butene

Concen: 15.085 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

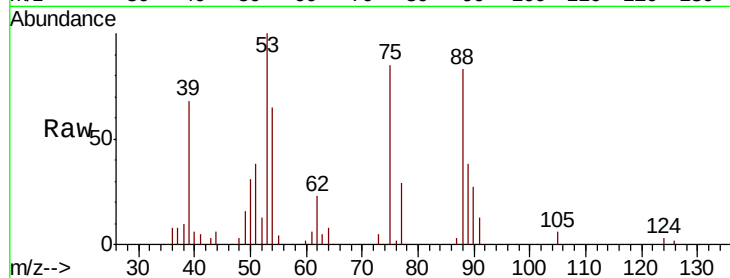
Tot Ion: 75 Resp: 13015

Ion Ratio Lower Upper

75 100

53 118.1 68.1 102.1#

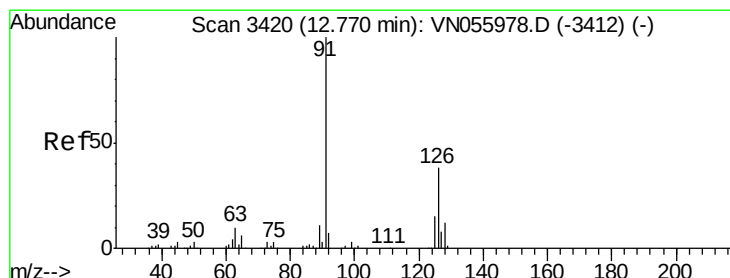
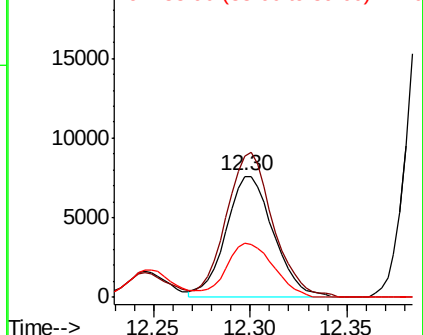
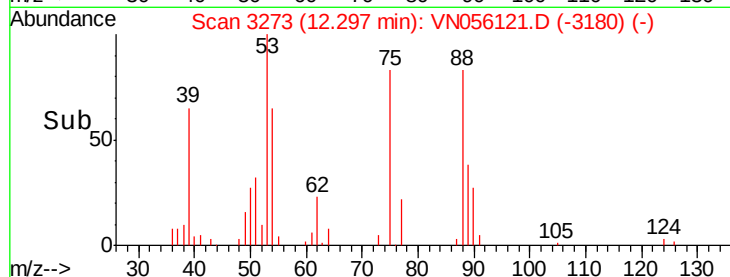
89 44.2 36.9 55.3



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: 20.517 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056121.D

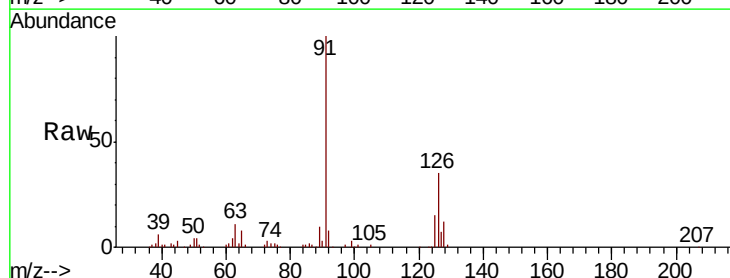
Acq: 8 Jun 2019 00:46

Tgt Ion: 91 Resp: 158559

Ion Ratio Lower Upper

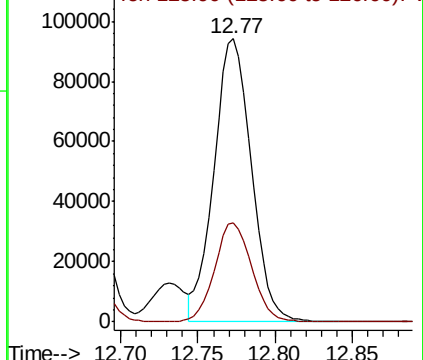
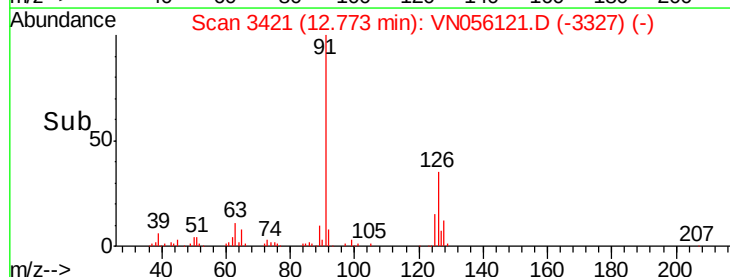
91 100

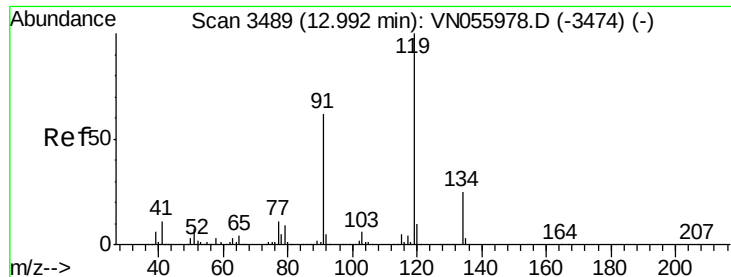
126 34.6 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

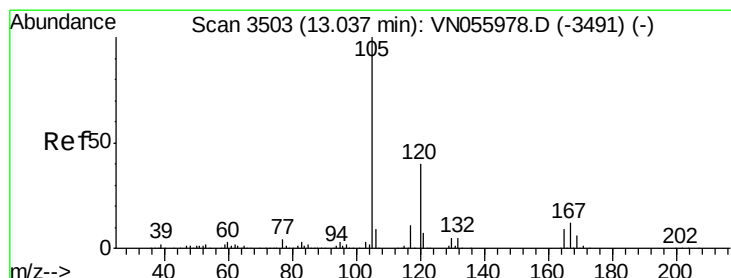
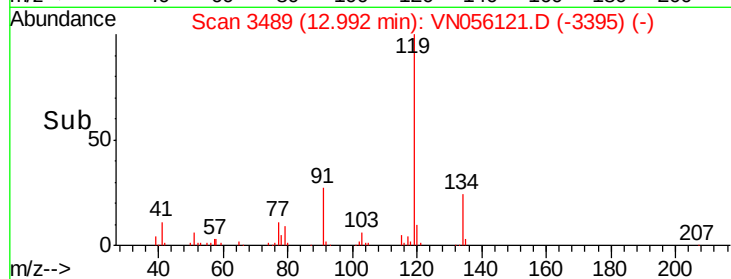
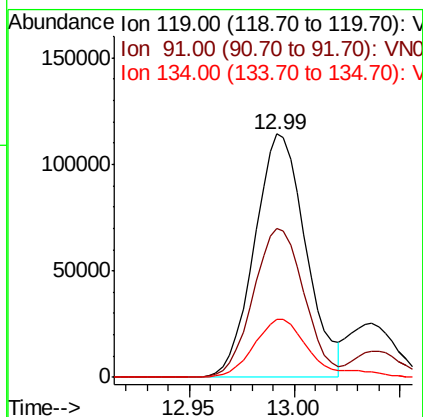
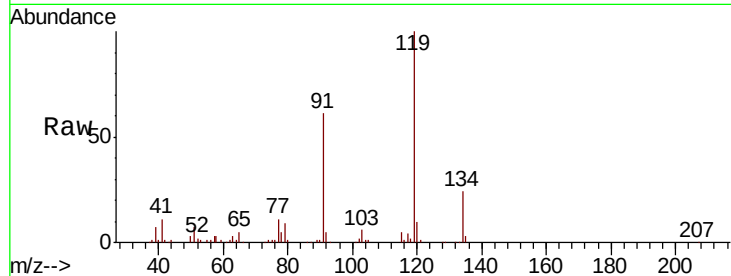




#83
 tert-Butylbenzene
 Concen: 22.207 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

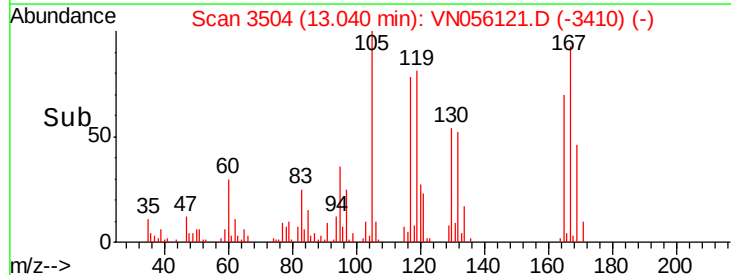
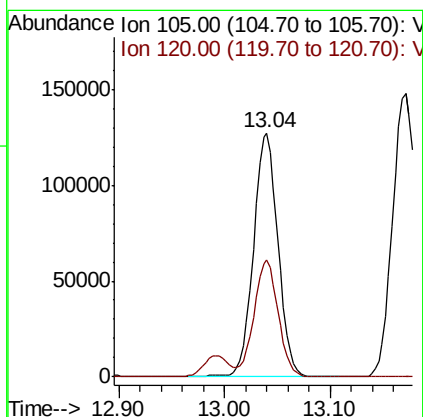
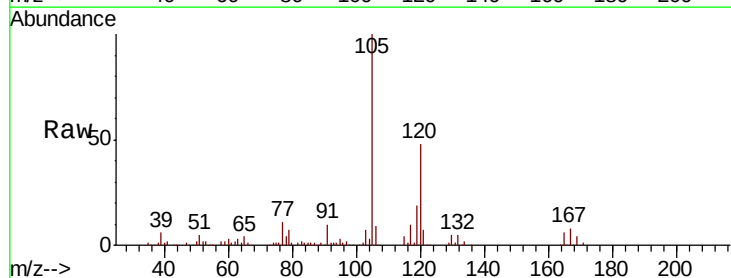
Instrument :
 MSVOA_N
 ClientSampleId :

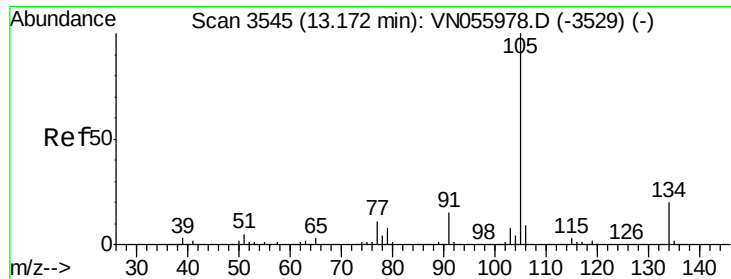
Tot Ion:119 Resp: 193246
 Ion Ratio Lower Upper
 119 100
 91 60.7 30.9 92.8
 134 26.2 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.725 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Tgt Ion:105 Resp: 206331
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.0 69.0





#85

sec-Butylbenzene

Concen: 20.609 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

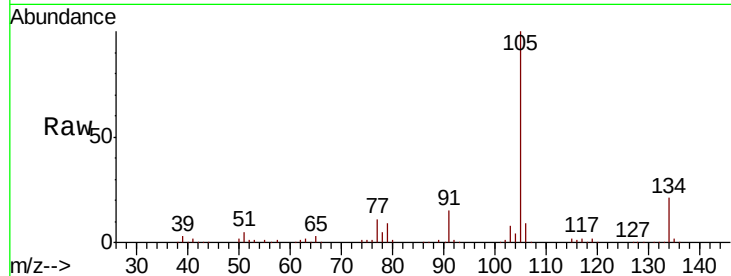
ClientSampleId :

Tot Ion:105 Resp: 241098

Ion Ratio Lower Upper

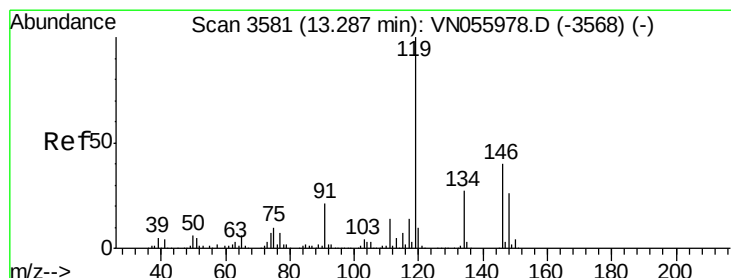
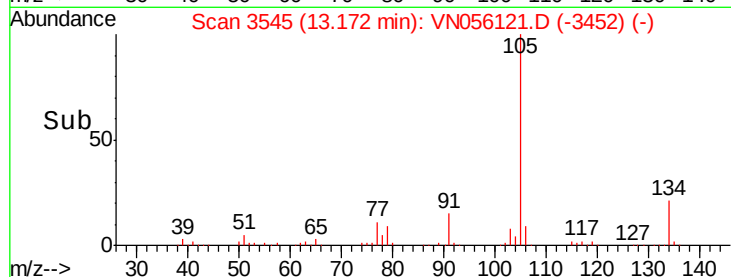
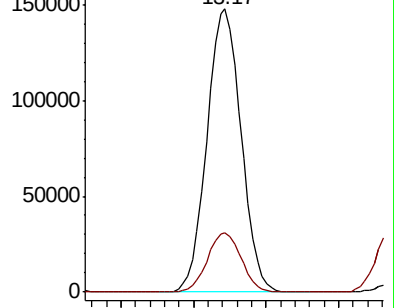
105 100

134 20.8 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: 20.244 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

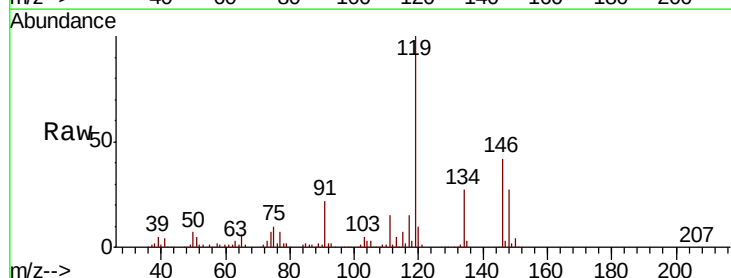
Tgt Ion:119 Resp: 211952

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

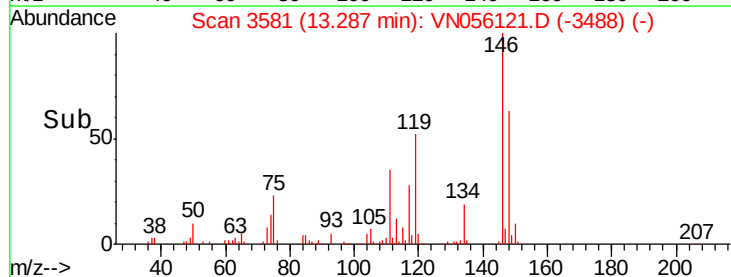
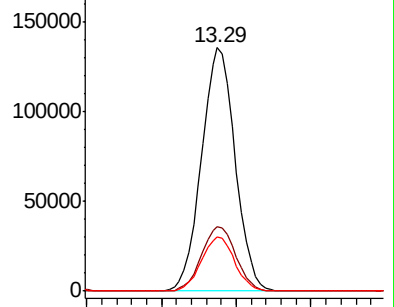
91 22.1 10.9 32.9

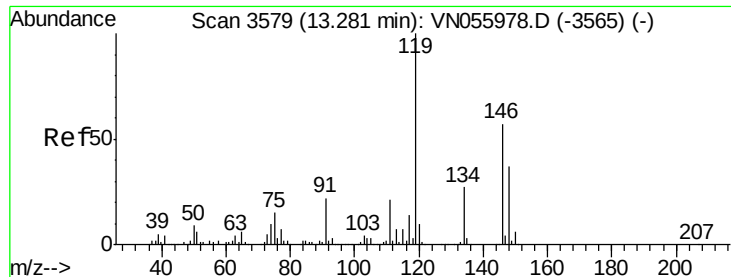


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

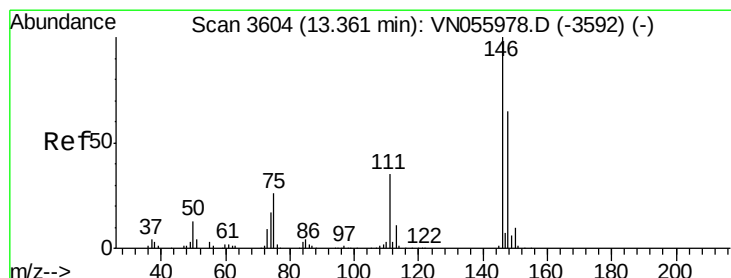
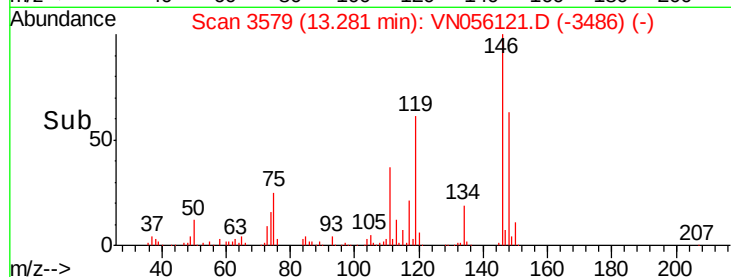
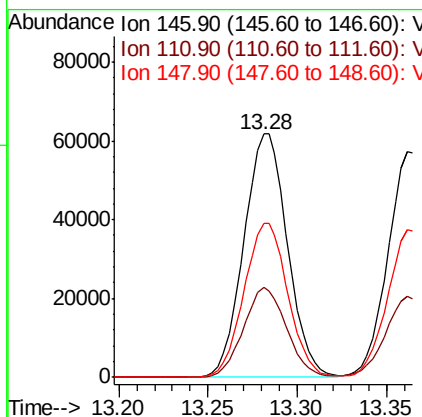
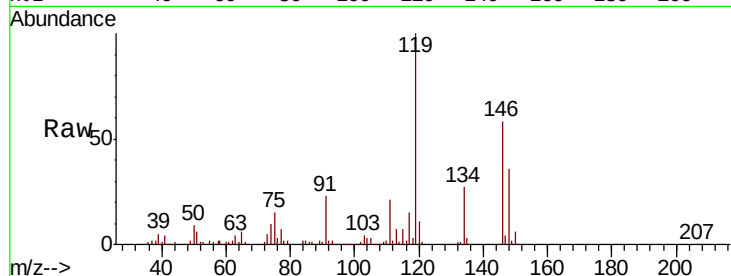




#87
 1,3-Dichlorobenzene
 Concen: 20.424 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

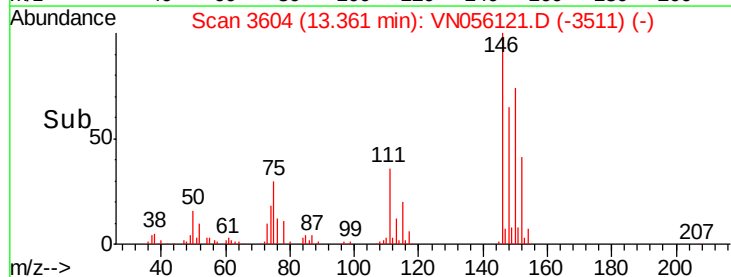
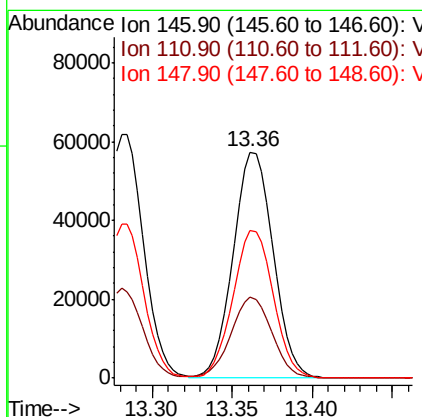
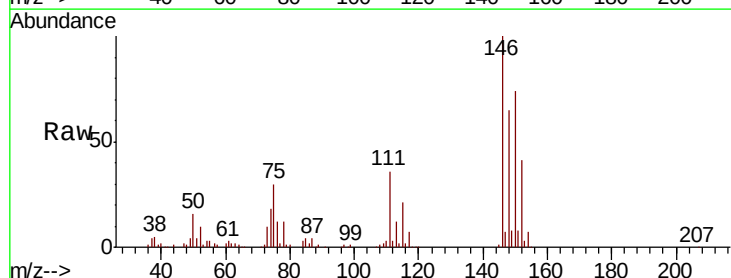
Instrument :
 MSVOA_N
 ClientSampled :

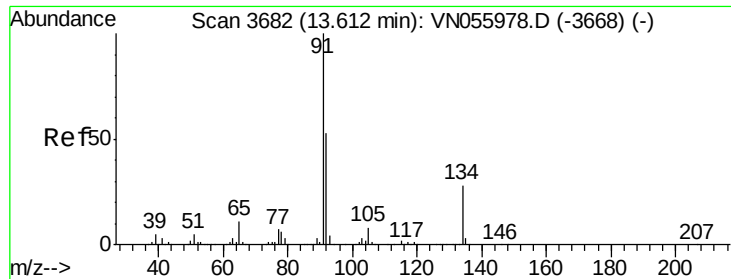
Tot Ion:146 Resp: 105674
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.5 55.5
 148 63.4 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.672 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Tgt Ion:146 Resp: 97912
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.1 54.4
 148 65.8 32.1 96.5

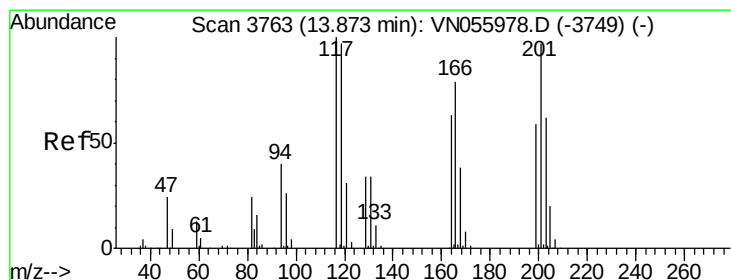
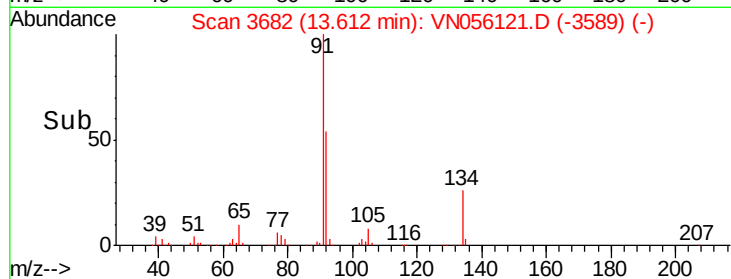
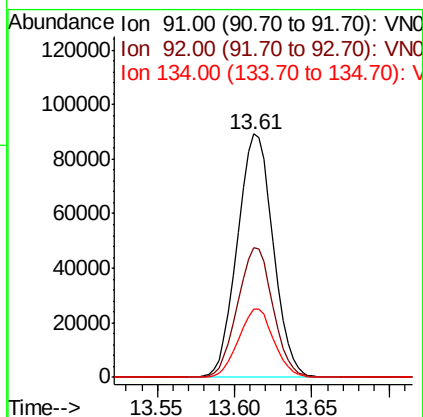
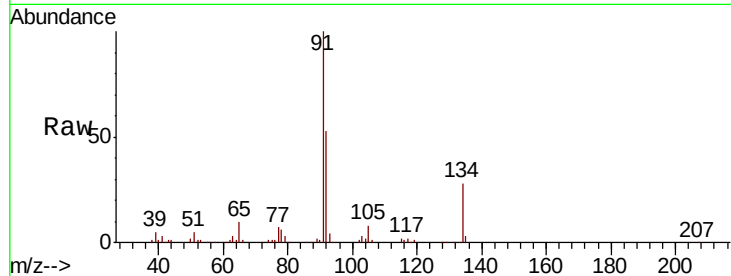




#89
n-Butylbenzene
Concen: 18.550 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

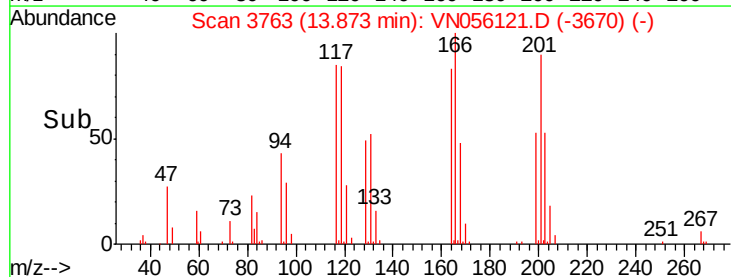
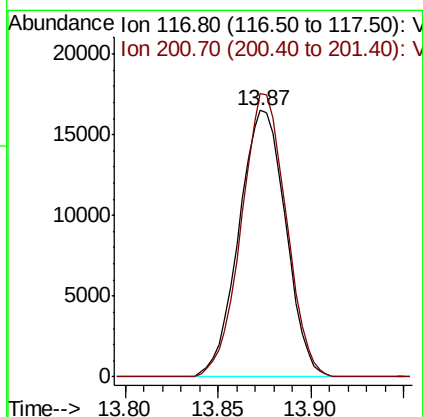
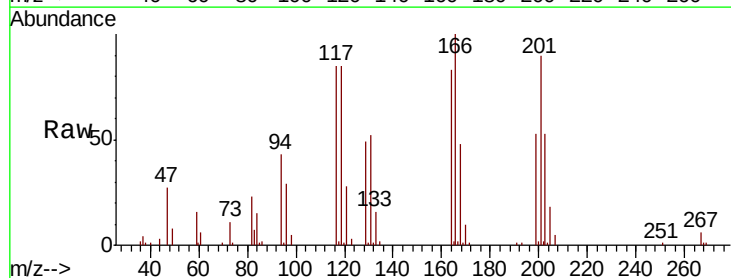
Instrument :
MSVOA_N
ClientSampled :

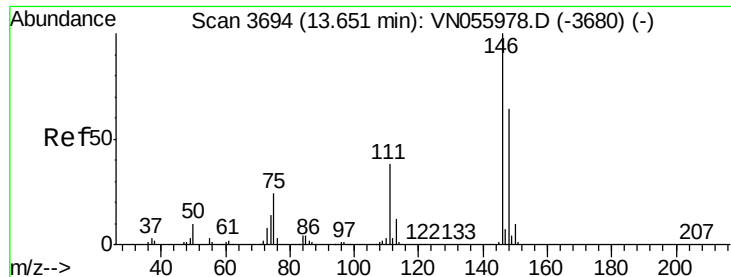
Tot Ion: 91 Resp: 143874
Ion Ratio Lower Upper
91 100
92 52.7 26.4 79.0
134 27.5 13.9 41.7



#90
Hexachloroethane
Concen: 18.287 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion: 117 Resp: 28873
Ion Ratio Lower Upper
117 100
201 101.6 50.0 150.0

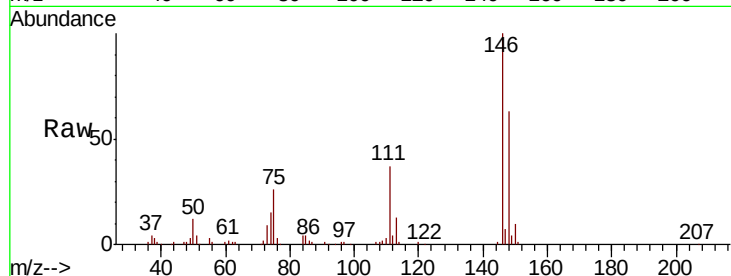




#91
 1,2-Dichlorobenzene
 Concen: 20.406 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.5
148	64.2	31.9	95.9

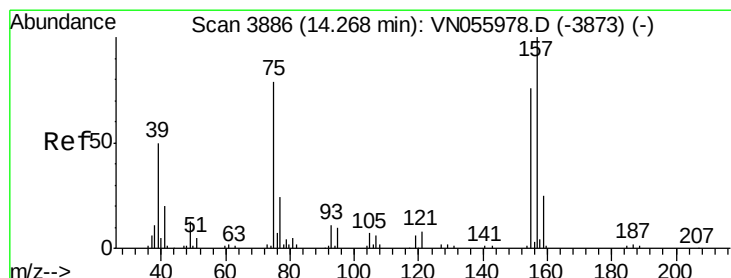
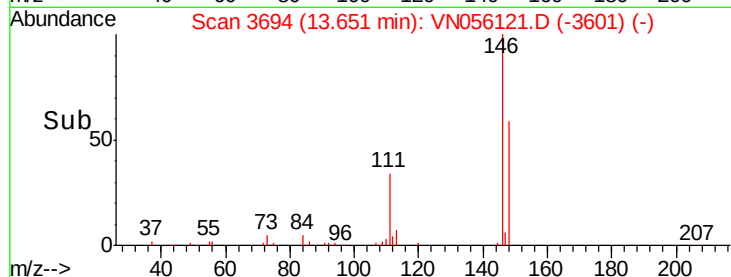
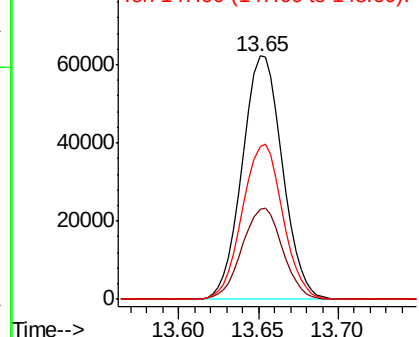


Abundance

Ion 145.90 (145.60 to 146.60): V

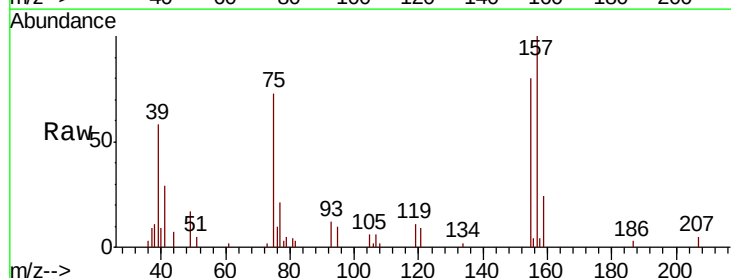
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.973 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.5	50.0	150.1
157	133.2	64.8	194.3

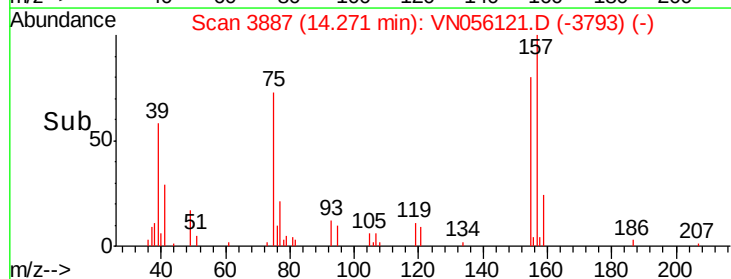
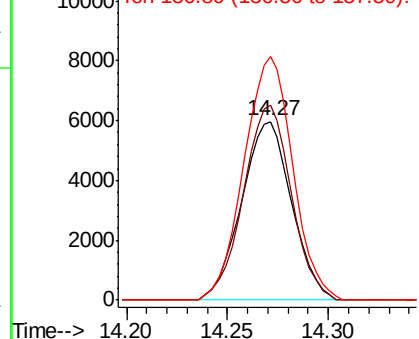


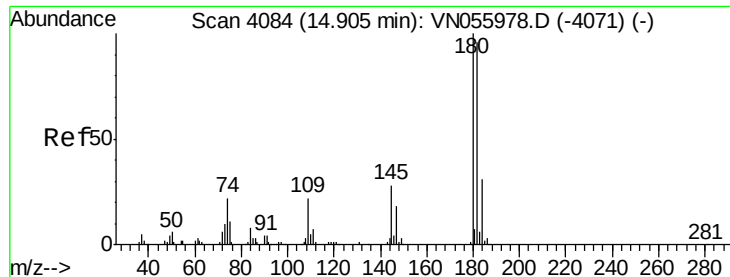
Abundance

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

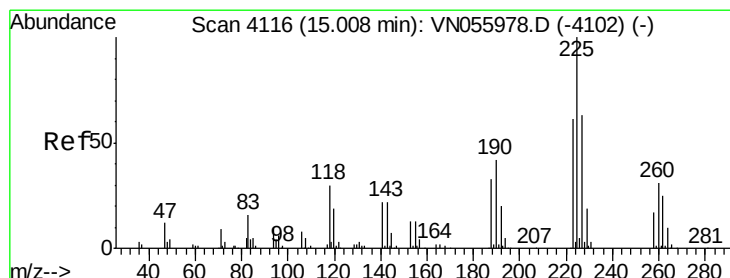
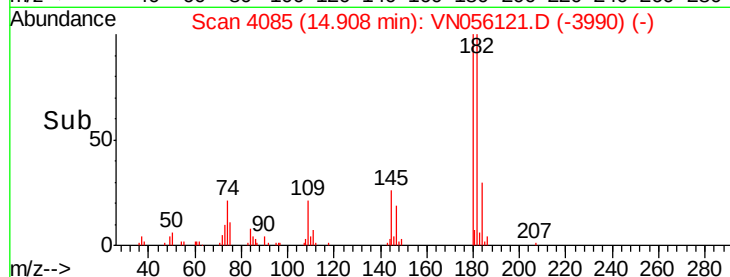
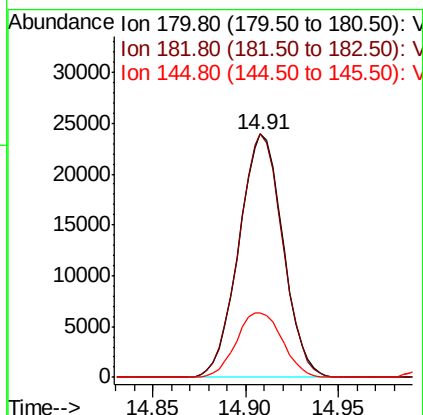
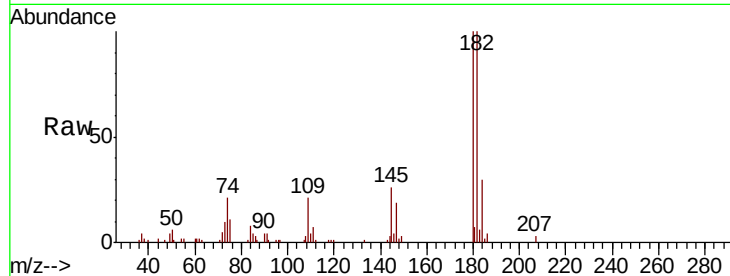




#93
 1,2,4-Trichlorobenzene
 Concen: 16.877 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

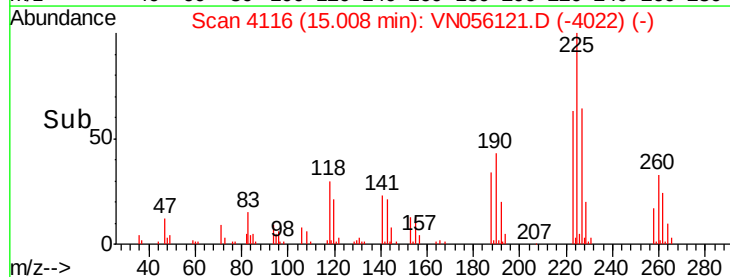
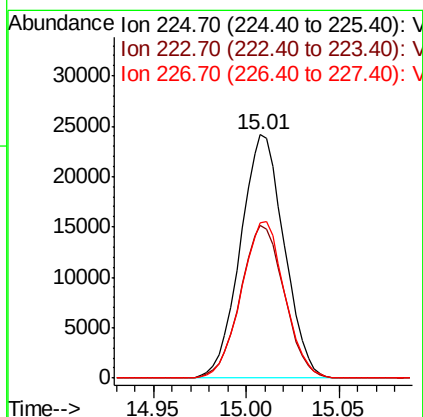
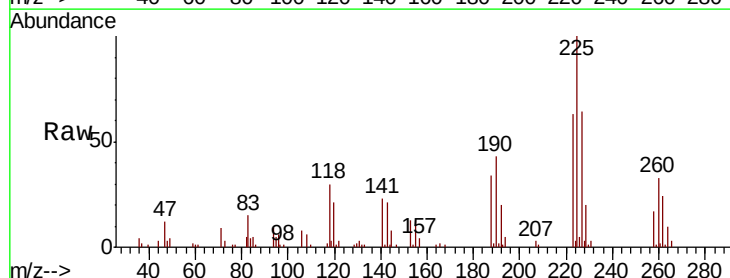
Instrument :
 MSVOA_N
 ClientSampleId :

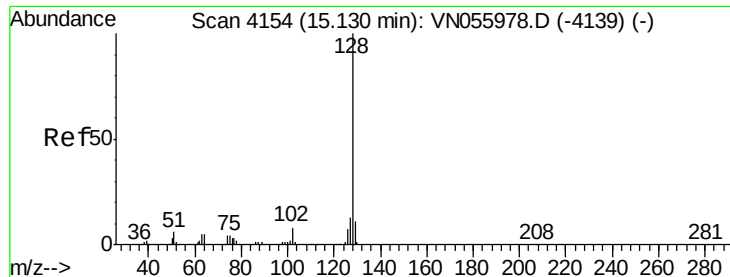
Tot Ion:180 Resp: 39680
 Ion Ratio Lower Upper
 180 100
 182 99.3 48.3 144.9
 145 27.7 14.0 41.9



#94
 Hexachlorobutadiene
 Concen: 20.805 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Tgt Ion:225 Resp: 39456
 Ion Ratio Lower Upper
 225 100
 223 62.7 30.9 92.7
 227 63.8 31.6 94.7





#95

Naphthalene

Concen: 17.986 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

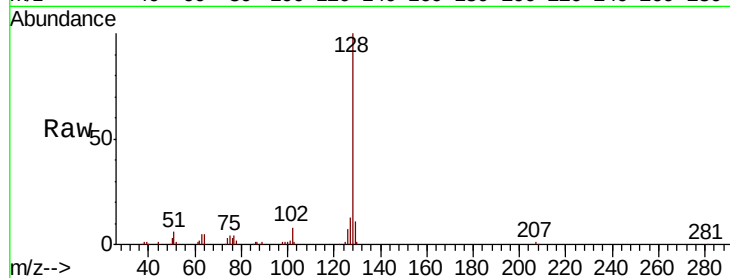
Tot Ion:128 Resp: 114376

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

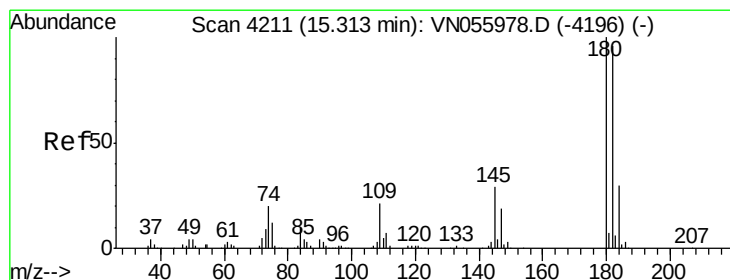
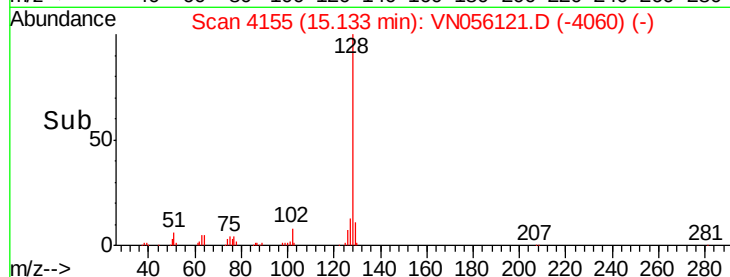
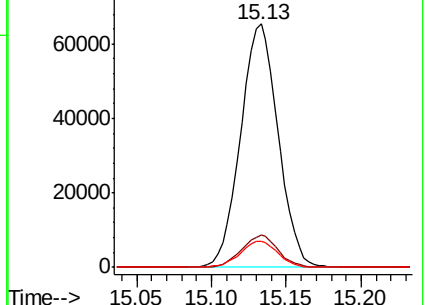
129 10.6 8.7 13.1



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: 18.696 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

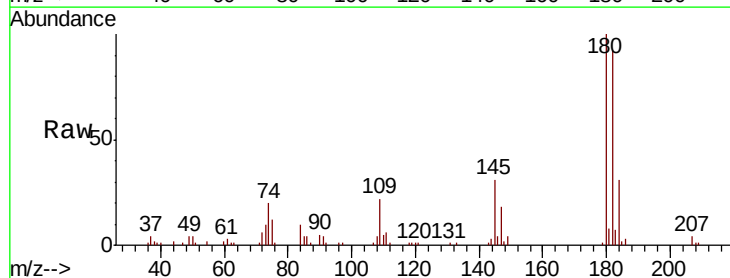
Tgt Ion:180 Resp: 48920

Ion Ratio Lower Upper

180 100

182 93.2 47.9 143.7

145 29.8 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

