

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070419\
 Data File : VN056598.D
 Acq On : 3 Jul 2019 20:34
 Operator : JC/SP
 Sample : VN0704WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0704WBSD01

Quant Time: Jul 03 22:52:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	278051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	436252	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	382099	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	165391	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	159149	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
35) Dibromofluoromethane	7.59	113	139647	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
50) Toluene-d8	10.09	98	514479	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
62) 4-Bromofluorobenzene	12.40	95	175763	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	42507	18.054	ug/l	100
3) Chloromethane	2.06	50	57012	17.784	ug/l	98
4) Vinyl Chloride	2.18	62	56835	18.356	ug/l	95
5) Bromomethane	2.53	94	33610	18.516	ug/l	93
6) Chloroethane	2.68	64	31517	17.577	ug/l	99
7) Trichlorofluoromethane	3.00	101	75604	18.876	ug/l	100
8) Diethyl Ether	3.41	74	32580	19.220	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	48520	18.996	ug/l	99
10) Methyl Iodide	3.95	142	59961	17.369	ug/l	99
11) Tert butyl alcohol	4.80	59	62012	119.476	ug/l	97
12) 1,1-Dichloroethene	3.73	96	44792	18.236	ug/l	96
13) Acrolein	3.61	56	23208	53.053	ug/l	99
14) Allyl chloride	4.32	41	79909	19.543	ug/l	98
15) Acrylonitrile	4.99	53	153795	107.107	ug/l	98
16) Acetone	3.82	43	124674	80.750	ug/l	98
17) Carbon Disulfide	4.05	76	84722	15.165	ug/l	97
18) Methyl Acetate	4.33	43	70147	22.724	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	165898	20.412	ug/l	99
20) Methylene Chloride	4.55	84	58002	19.383	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	49326	18.626	ug/l	98
22) Diisopropyl ether	5.96	45	182432	21.245	ug/l	96
23) Vinyl Acetate	5.90	43	719955	106.301	ug/l	100
24) 1,1-Dichloroethane	5.85	63	101006	20.491	ug/l	99
25) 2-Butanone	6.84	43	204691	100.170	ug/l	99
26) 2,2-Dichloropropane	6.82	77	61235	17.862	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	60820	19.630	ug/l	98
28) Bromochloromethane	7.20	49	49837	20.441	ug/l	97
29) Tetrahydrofuran	7.21	42	138314	110.762	ug/l	99
30) Chloroform	7.37	83	99514	20.460	ug/l	98
31) Cyclohexane	7.66	56	86602	18.199	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	77682	20.149	ug/l	97
36) 1,1-Dichloropropene	7.79	75	68863	17.934	ug/l	99
37) Ethyl Acetate	6.93	43	82437	21.846	ug/l	98
38) Carbon Tetrachloride	7.77	117	62202	18.524	ug/l	100

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0704WBSD01

Quant Time: Jul 03 22:52:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	79429	16.764	ug/l	96
40) Benzene	8.04	78	224920	19.043	ug/l	99
41) Methacrylonitrile	7.21	41	120180	72.124	ug/l #	12
42) 1,2-Dichloroethane	8.13	62	76809	19.705	ug/l	100
43) Isopropyl Acetate	8.17	43	125267	21.528	ug/l #	92
44) Trichloroethene	8.84	130	57850	18.182	ug/l	98
45) 1,2-Dichloropropane	9.12	63	62426	19.763	ug/l	100
46) Dibromomethane	9.21	93	38344	19.403	ug/l	100
47) Bromodichloromethane	9.40	83	68315	19.491	ug/l	98
48) Methyl methacrylate	9.20	41	61741	21.174	ug/l	98
49) 1,4-Dioxane	9.21	88	26629	440.072	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	414063	110.252	ug/l	100
52) Toluene	10.16	92	137547	19.048	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	70417	19.143	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	82193	19.473	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	58602	20.190	ug/l	98
56) Ethyl methacrylate	10.43	69	88052	20.758	ug/l	98
57) 1,3-Dichloropropane	10.71	76	98208	20.140	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	220571	144.740	ug/l	100
59) 2-Hexanone	10.75	43	296412	107.387	ug/l	99
60) Dibromochloromethane	10.90	129	53672	19.515	ug/l	100
61) 1,2-Dibromoethane	11.01	107	58271	19.656	ug/l	100
64) Tetrachloroethene	10.63	164	52869	17.472	ug/l	98
65) Chlorobenzene	11.43	112	146544	19.087	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	53103	20.464	ug/l	98
67) Ethyl Benzene	11.51	91	256515	19.028	ug/l	99
68) m/p-Xylenes	11.62	106	191569	38.775	ug/l	99
69) o-Xylene	11.95	106	95752	19.590	ug/l	98
70) Styrene	11.96	104	155433	19.895	ug/l	98
71) Bromoform	12.13	173	36159	19.330	ug/l #	100
73) Isopropylbenzene	12.25	105	251865	18.586	ug/l	99
74) N-amyl acetate	12.07	43	99271	18.859	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	85784	20.491	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	96883	28.251	ug/l #	100
77) Bromobenzene	12.53	156	64571	17.460	ug/l	95
78) n-propylbenzene	12.59	91	273433	18.053	ug/l	99
79) 2-Chlorotoluene	12.67	91	168347	18.686	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	208249	18.588	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	18795	19.479	ug/l	95
82) 4-Chlorotoluene	12.77	91	163265	18.257	ug/l	99
83) tert-Butylbenzene	12.99	119	180630	18.158	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	203432	18.271	ug/l	99
85) sec-Butylbenzene	13.17	105	234839	17.641	ug/l	100
86) p-Isopropyltoluene	13.29	119	211901	18.548	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	103933	18.545	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	100824	18.576	ug/l	99
89) n-Butylbenzene	13.61	91	163323	18.884	ug/l	99
90) Hexachloroethane	13.87	117	29463	16.542	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	108208	19.461	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13893	22.702	ug/l	95

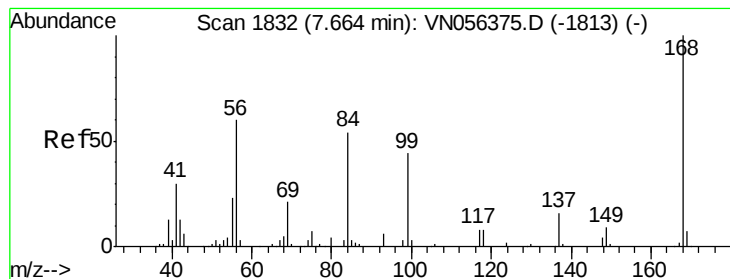
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070419\
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Quant Title : SW846 8260
QLast Update : Fri Jun 21 03:45:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	49484	20.785	ug/l	100
94) Hexachlorobutadiene	15.01	225	34843	17.261	ug/l	99
95) Naphthalene	15.13	128	141859	22.024	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	54204	20.928	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

Instrument :

MSVOA_N

ClientSampleId :

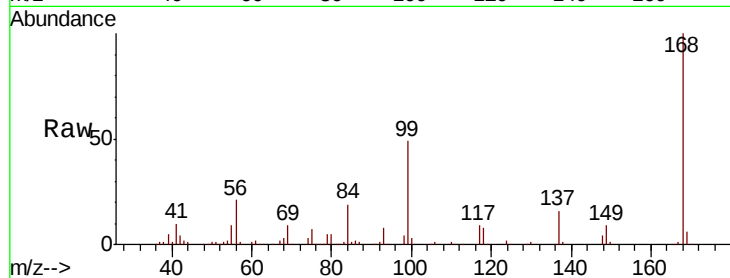
VN0704WBSD01

Tot Ion:168 Resp: 278051

Ion Ratio Lower Upper

168 100

99 49.0 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

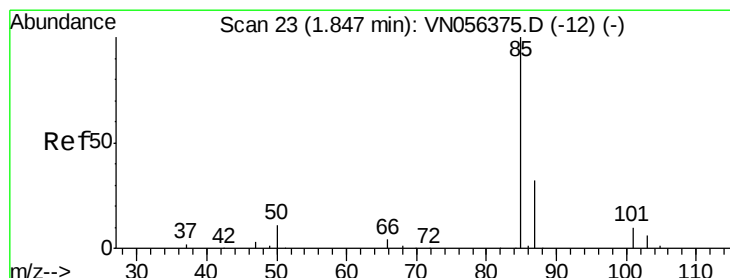
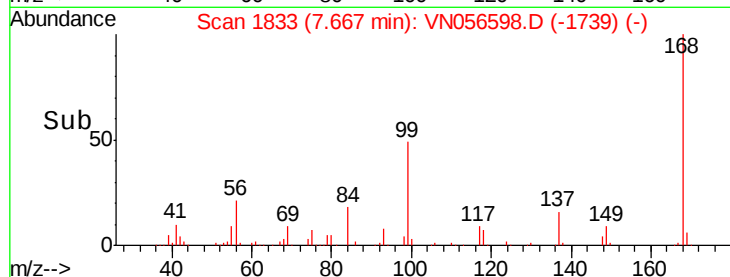
7.67

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.054 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056598.D

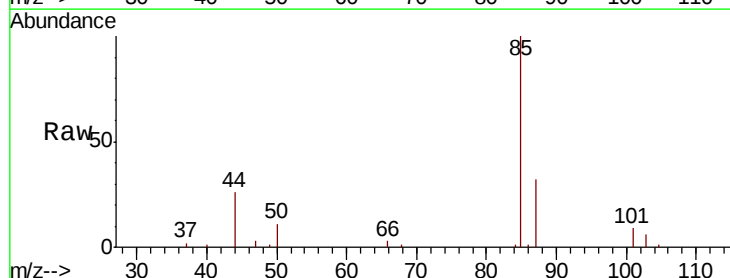
Acq: 3 Jul 2019 20:34

Tgt Ion: 85 Resp: 42507

Ion Ratio Lower Upper

85 100

87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

30000

25000

20000

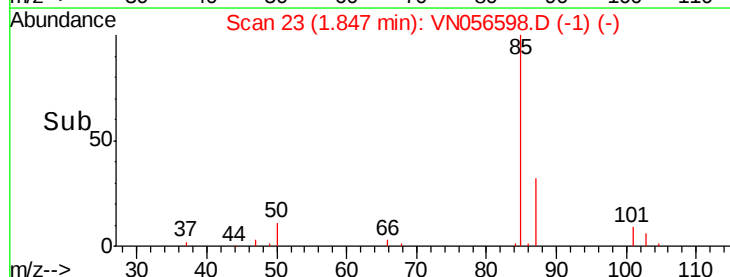
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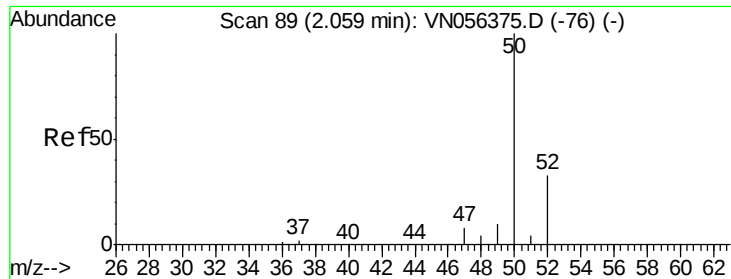
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5000

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Time-->

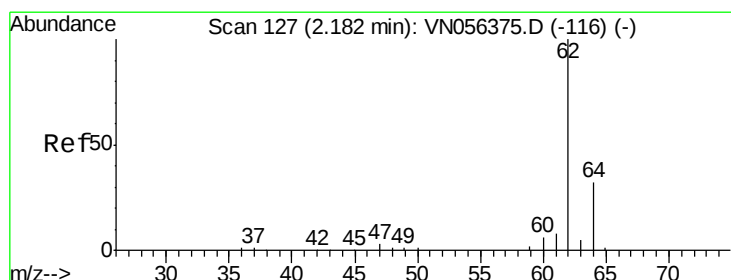
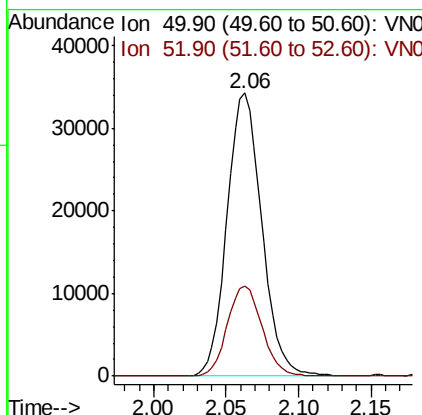
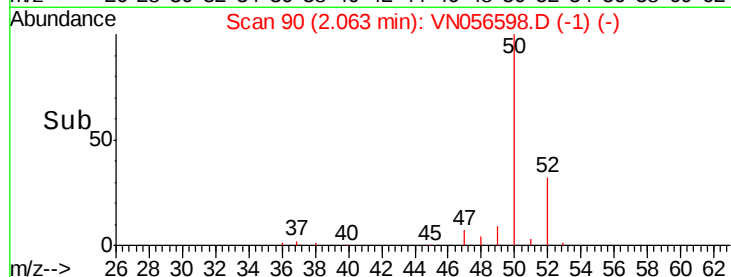
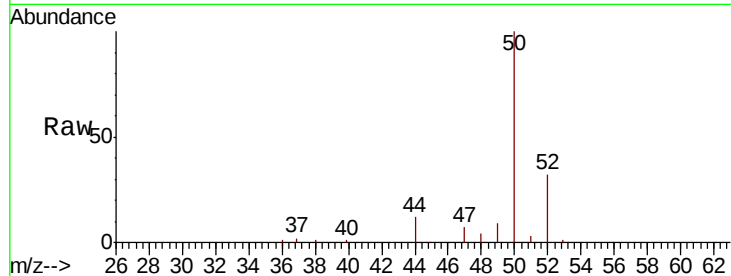




#3
Chloromethane
Concen: 17.784 ug/l
RT: 2.06 min Scan# 90
Delta R.T. 0.00 min
Lab File: VN056598.D
Acq: 3 Jul 2019 20:34

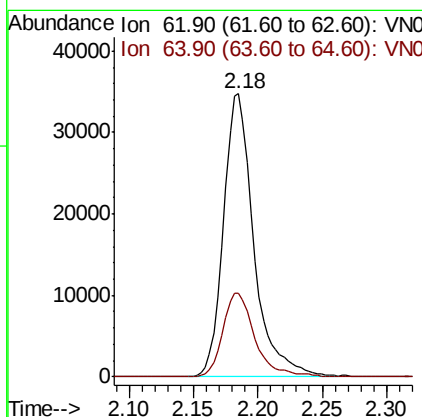
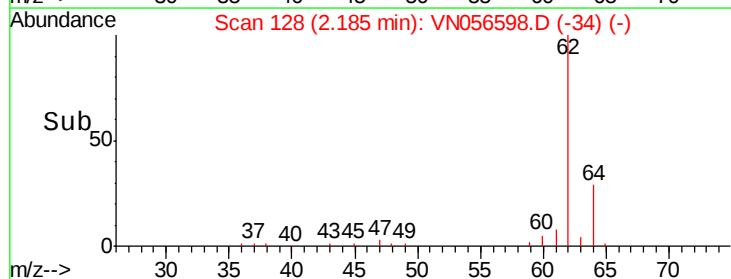
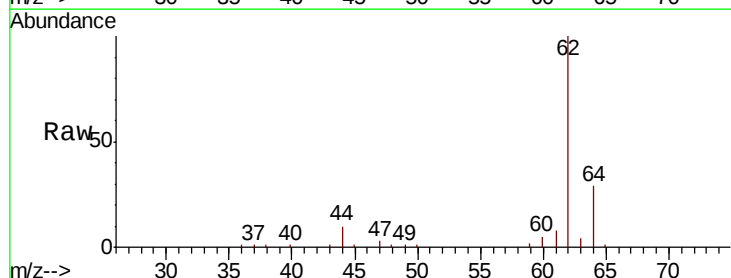
Instrument :
MSVOA_N
ClientSampleId :
VN0704WBSD01

Tot Ion: 50 Resp: 57012
Ion Ratio Lower Upper
50 100
52 31.8 26.5 39.7



#4
Vinyl Chloride
Concen: 18.356 ug/l
RT: 2.18 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN056598.D
Acq: 3 Jul 2019 20:34

Tgt Ion: 62 Resp: 56835
Ion Ratio Lower Upper
62 100
64 29.5 25.7 38.5





#5

Bromomethane

Concen: 18.516 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.01 min

Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

Instrument :

MSVOA_N

ClientSampleId :

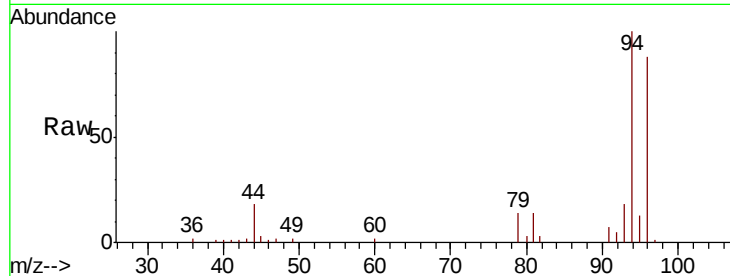
VN0704WBSD01

Tot Ion: 94 Resp: 33610

Ion Ratio Lower Upper

94 100

96 88.0 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

20000

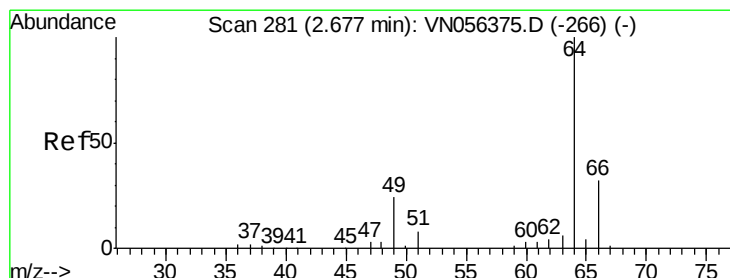
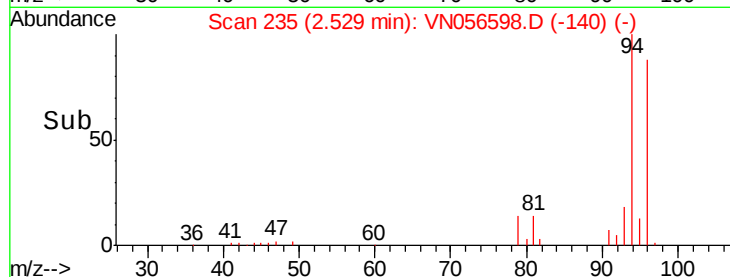
15000

10000

5000

0

Time--> 2.45 2.50 2.55 2.60



#6

Chloroethane

Concen: 17.577 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN056598.D

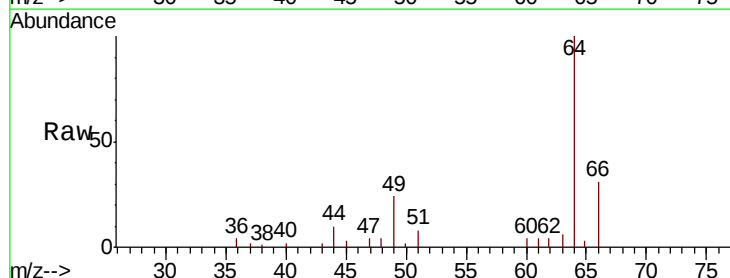
Acq: 3 Jul 2019 20:34

Tgt Ion: 64 Resp: 31517

Ion Ratio Lower Upper

64 100

66 31.5 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

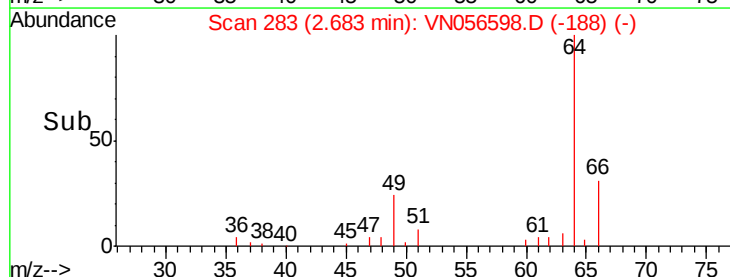
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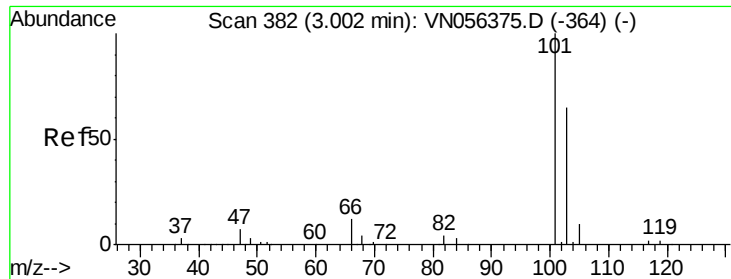
10000

5000

0

Time--> 2.60 2.70 2.80



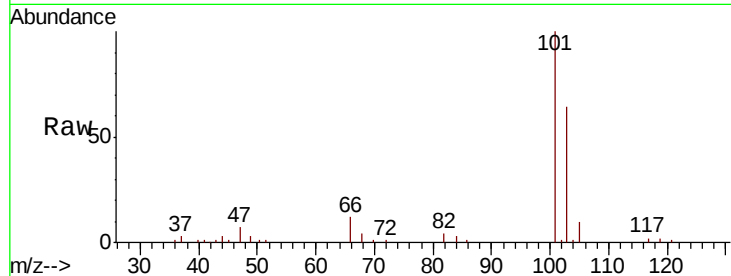


#7

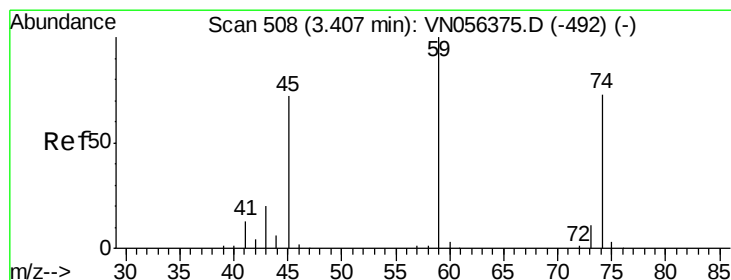
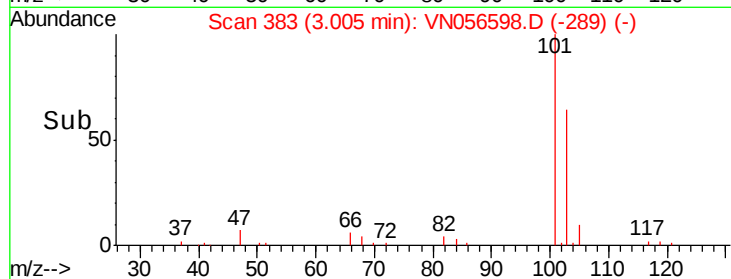
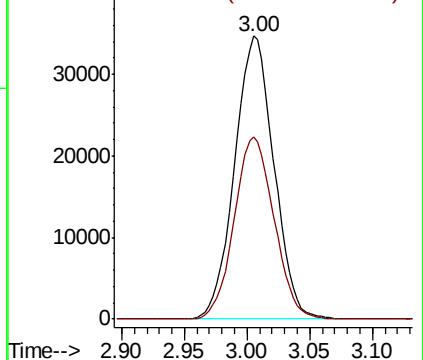
Trichlorofluoromethane
 Concen: 18.876 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN056598.D
 Acq: 3 Jul 2019 20:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0704WBSD01

Tot Ion:101 Resp: 75604
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.7 77.5



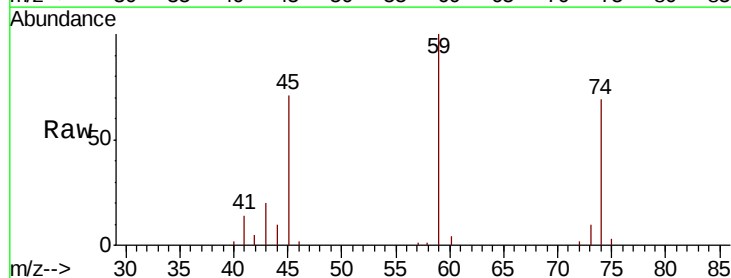
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



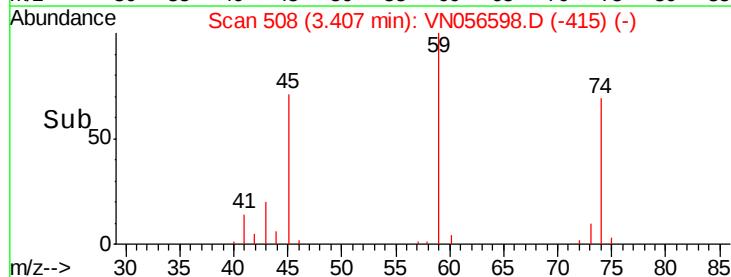
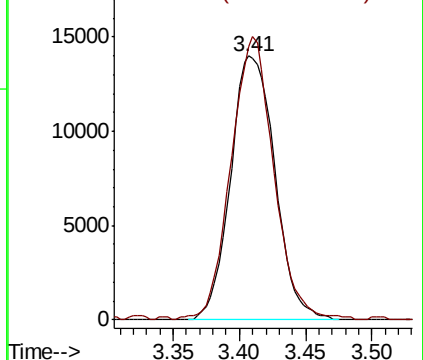
#8

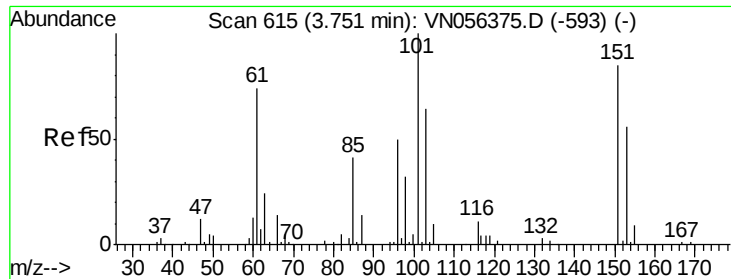
Diethyl Ether
 Concen: 19.220 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN056598.D
 Acq: 3 Jul 2019 20:34

Tgt Ion: 74 Resp: 32580
 Ion Ratio Lower Upper
 74 100
 45 103.9 48.9 146.6



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO

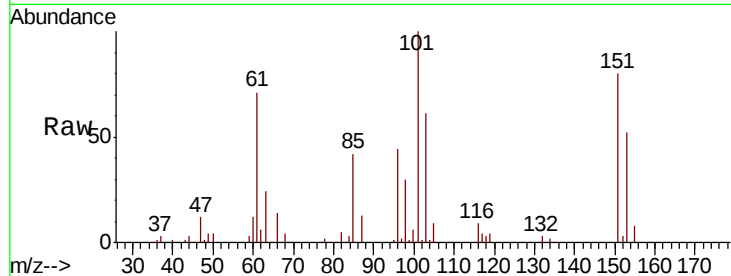




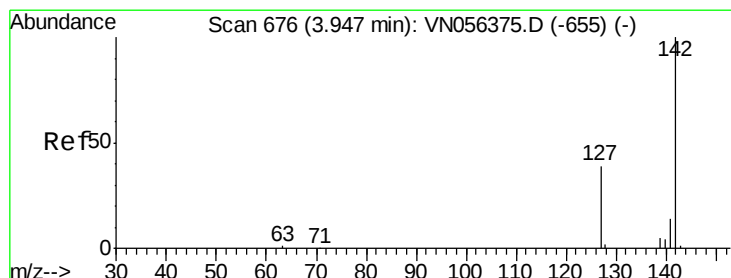
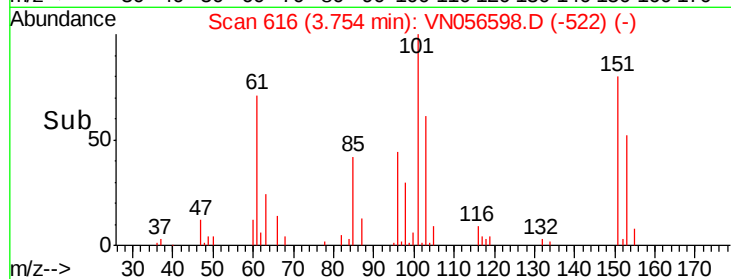
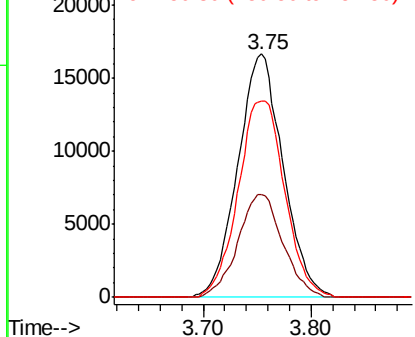
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.996 ug/l
 RT: 3.75 min Scan# 616
 Delta R.T. 0.00 min
 Lab File: VN056598.D
 Acq: 3 Jul 2019 20:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0704WBSD01

Tot Ion:101 Resp: 48520
 Ion Ratio Lower Upper
 101 100
 85 41.9 32.7 49.1
 151 83.2 66.8 100.2

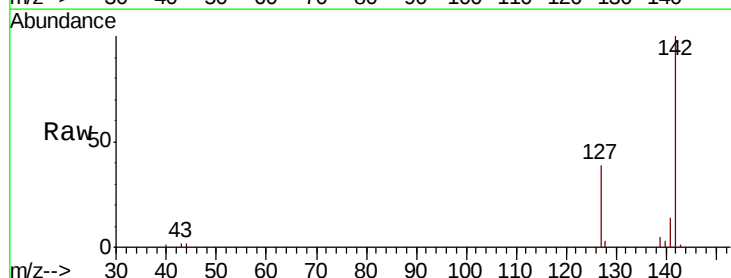


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

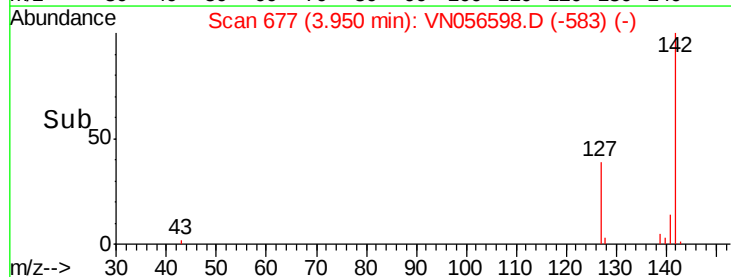
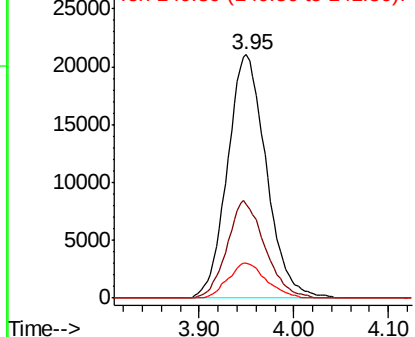


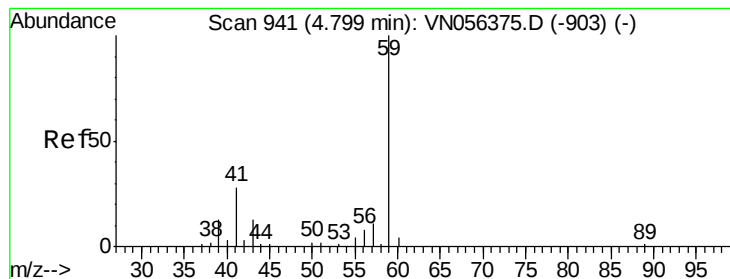
#10
 Methyl Iodide
 Concen: 17.369 ug/l
 RT: 3.95 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: VN056598.D
 Acq: 3 Jul 2019 20:34

Tgt Ion:142 Resp: 59961
 Ion Ratio Lower Upper
 142 100
 127 38.9 30.6 46.0
 141 14.0 11.4 17.2



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



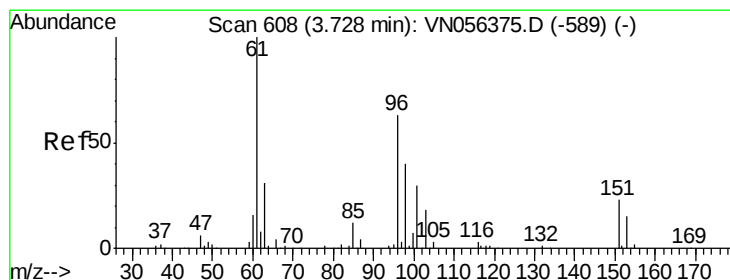
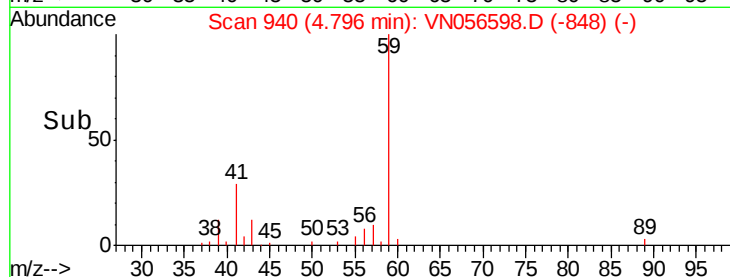
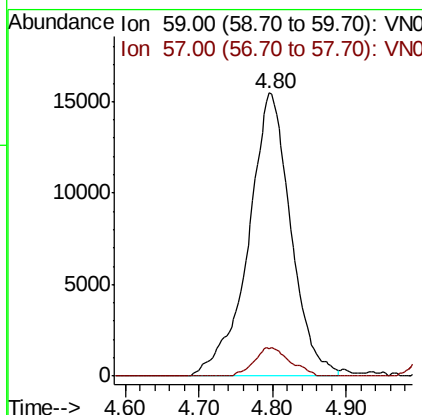
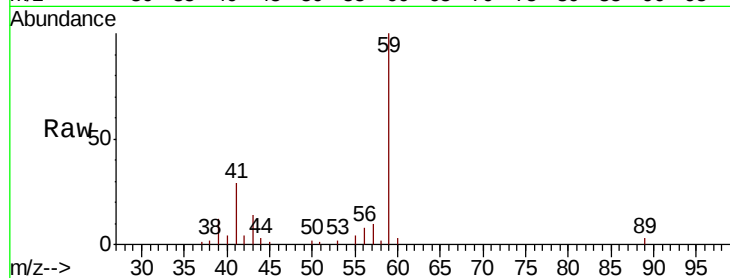


#11

Tert butyl alcohol
 Concen: 119.476 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. -0.00 min
 Lab File: VN056598.D
 Acq: 3 Jul 2019 20:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0704WBSD01

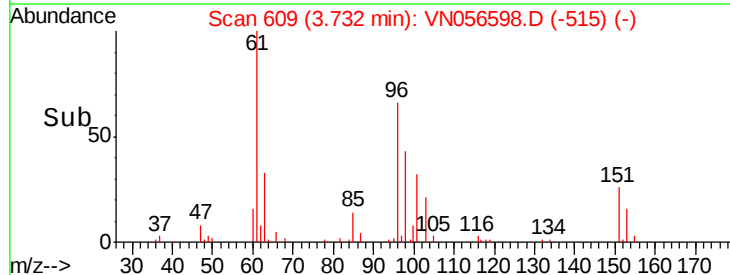
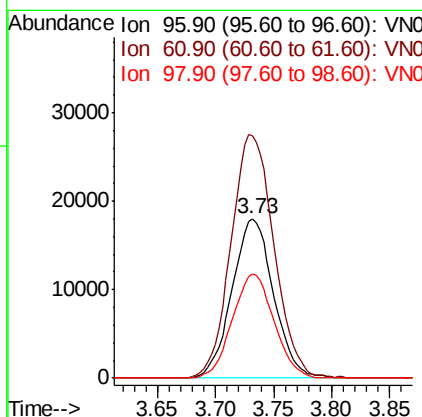
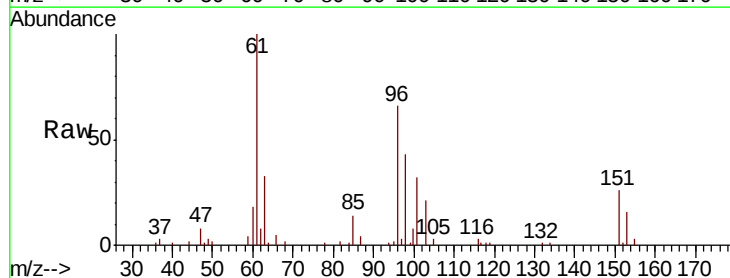
Tot Ion: 59 Resp: 62012
 Ion Ratio Lower Upper
 59 100
 57 8.5 7.6 11.4

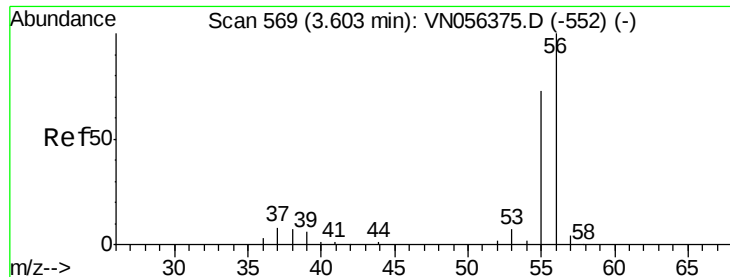


#12

1,1-Dichloroethene
 Concen: 18.236 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN056598.D
 Acq: 3 Jul 2019 20:34

Tgt Ion: 96 Resp: 44792
 Ion Ratio Lower Upper
 96 100
 61 152.1 126.6 190.0
 98 65.0 51.1 76.7





#13

Acrolein

Concen: 53.053 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

Instrument :

MSVOA_N

ClientSampleId :

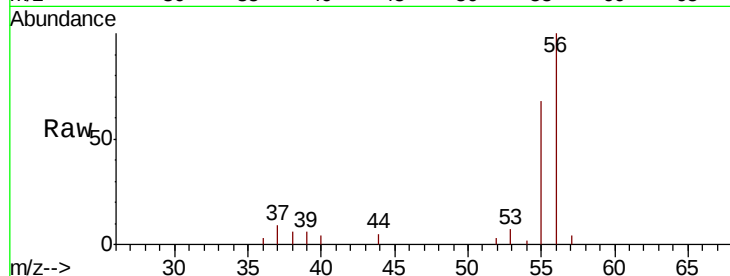
VN0704WBSD01

Tot Ion: 56 Resp: 23208

Ion Ratio Lower Upper

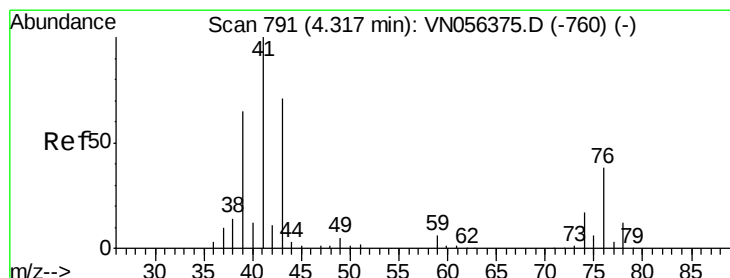
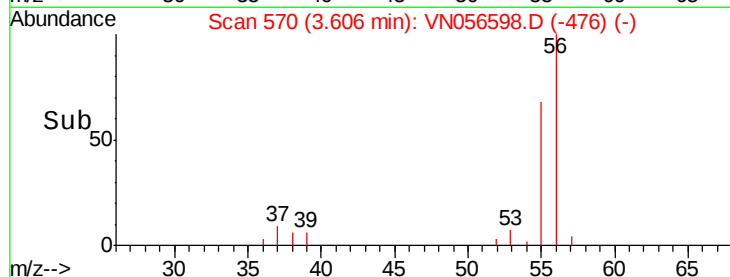
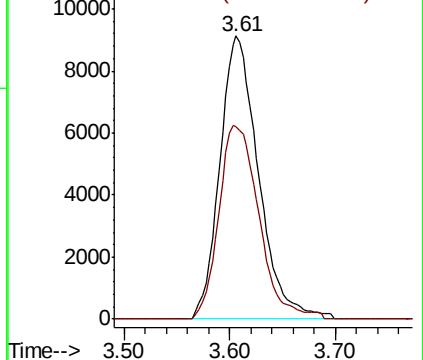
56 100

55 71.0 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.543 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

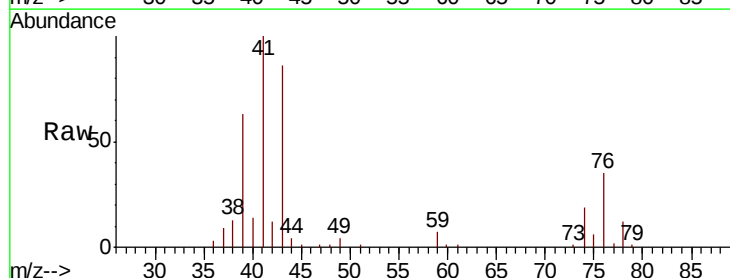
Tgt Ion: 41 Resp: 79909

Ion Ratio Lower Upper

41 100

39 60.0 48.6 73.0

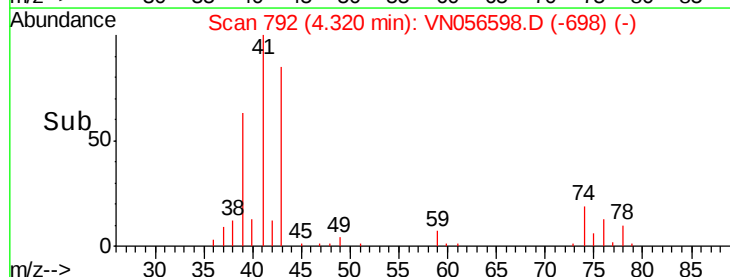
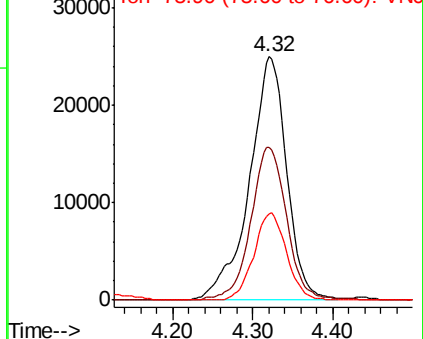
76 31.4 26.6 40.0

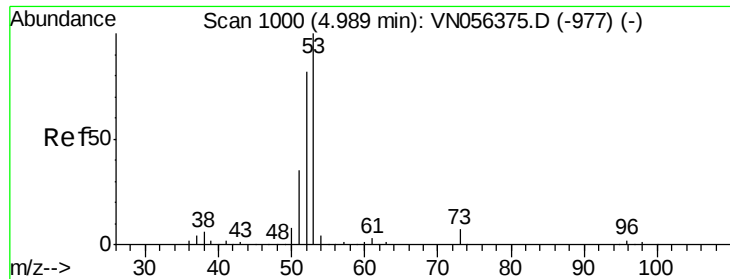


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

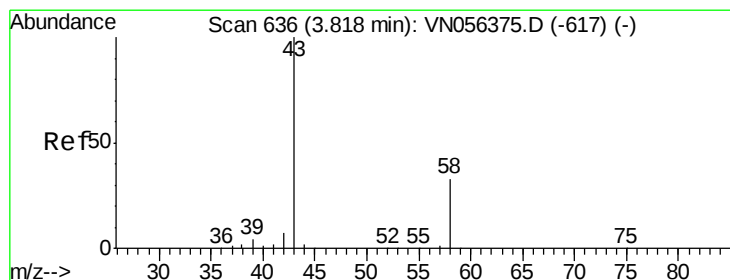
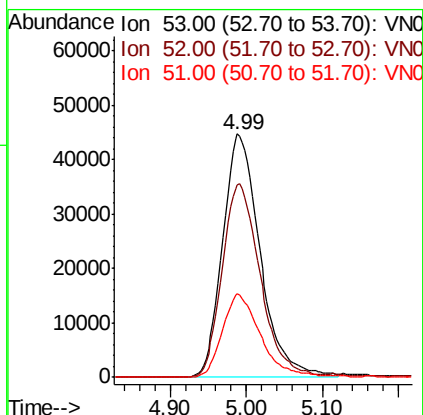
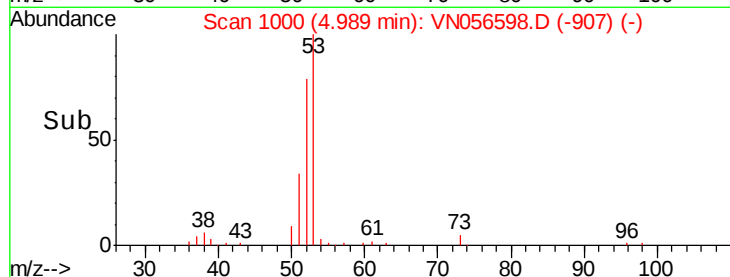
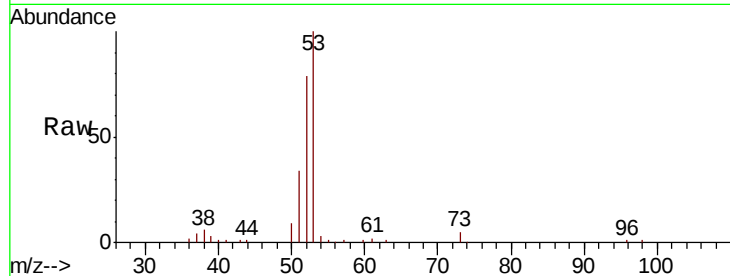




#15
 Acrylonitrile
 Concen: 107.107 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN056598.D
 Acq: 3 Jul 2019 20:34

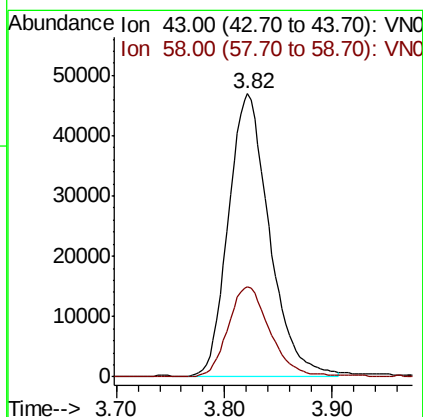
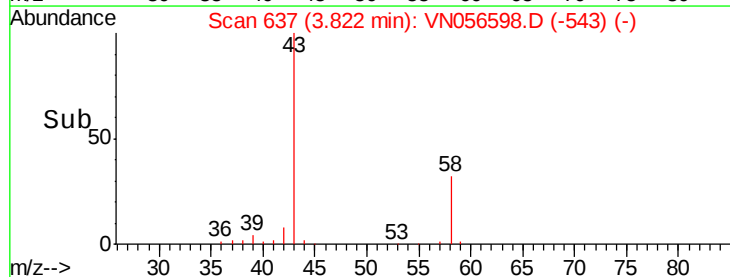
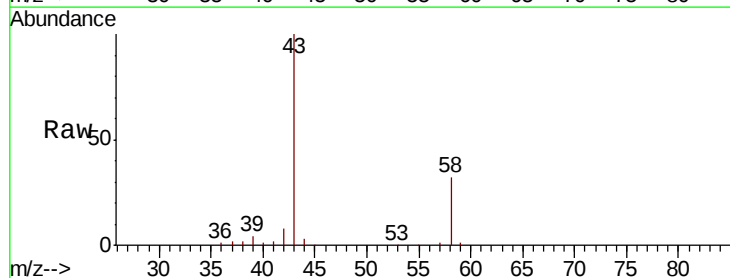
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0704WBSD01

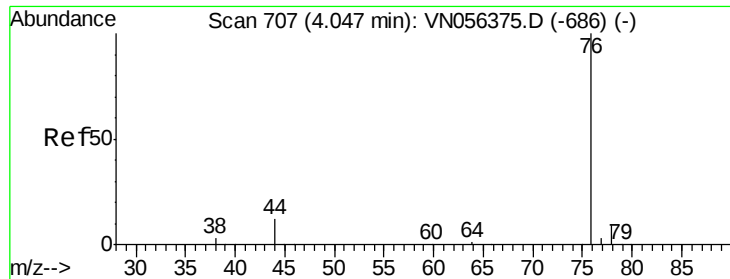
Tot Ion: 53 Resp: 153795
 Ion Ratio Lower Upper
 53 100
 52 80.2 65.9 98.9
 51 34.9 28.3 42.5



#16
 Acetone
 Concen: 80.750 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN056598.D
 Acq: 3 Jul 2019 20:34

Tgt Ion: 43 Resp: 124674
 Ion Ratio Lower Upper
 43 100
 58 31.8 26.4 39.6

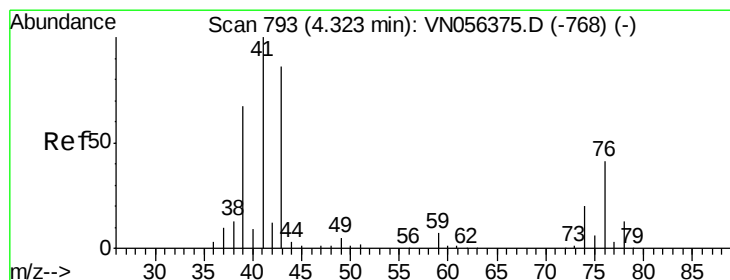
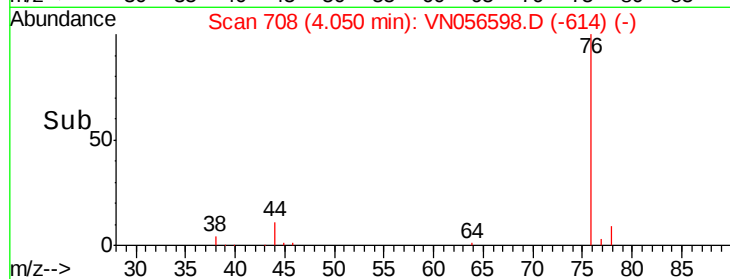
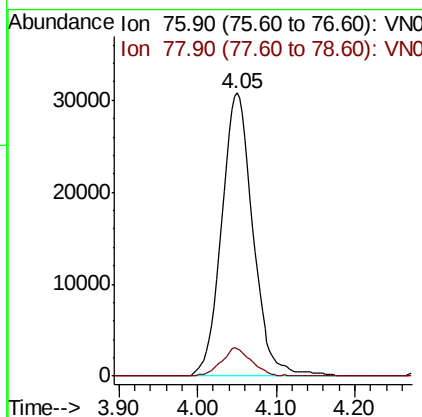
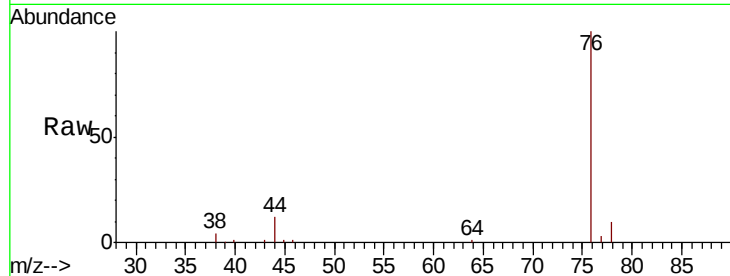




#17
Carbon Disulfide
Concen: 15.165 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN056598.D
Acq: 3 Jul 2019 20:34

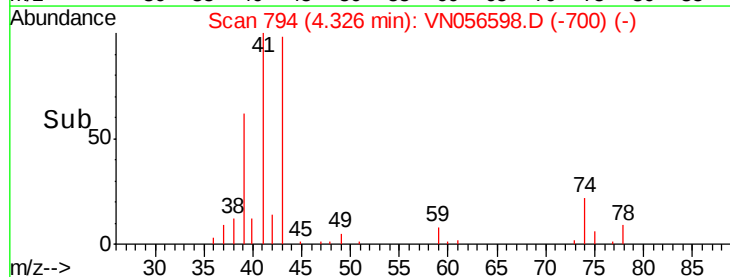
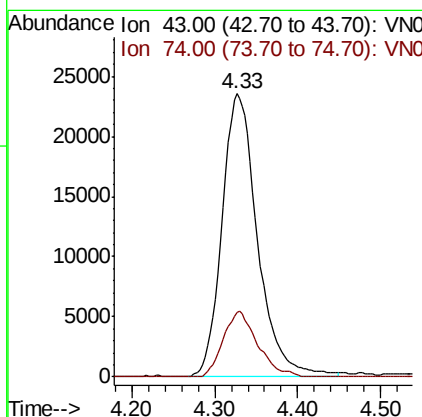
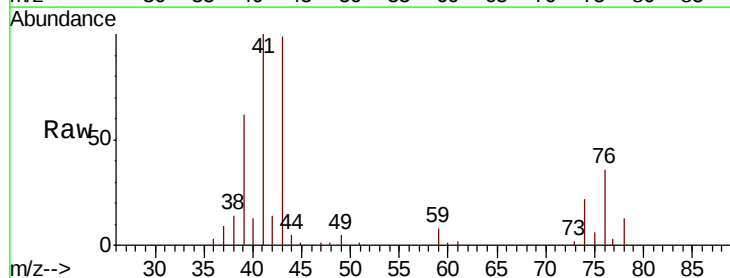
Instrument :
MSVOA_N
ClientSampleId :
VN0704WBSD01

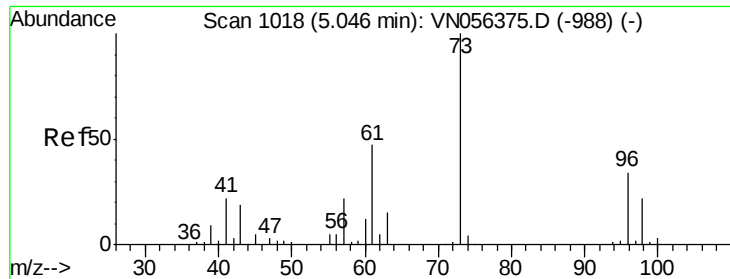
Tot Ion: 76 Resp: 84722
Ion Ratio Lower Upper
76 100
78 9.9 7.1 10.7



#18
Methyl Acetate
Concen: 22.724 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056598.D
Acq: 3 Jul 2019 20:34

Tgt Ion: 43 Resp: 70147
Ion Ratio Lower Upper
43 100
74 22.3 19.2 28.8

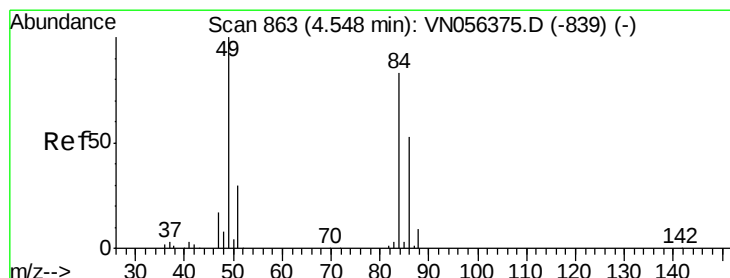
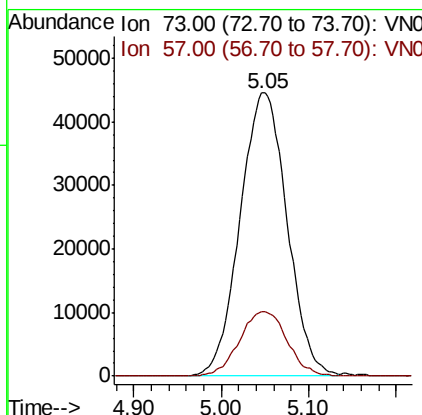
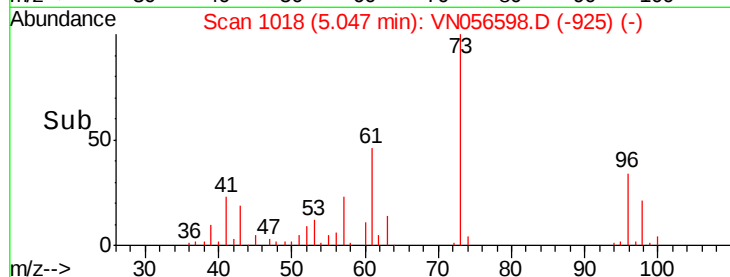
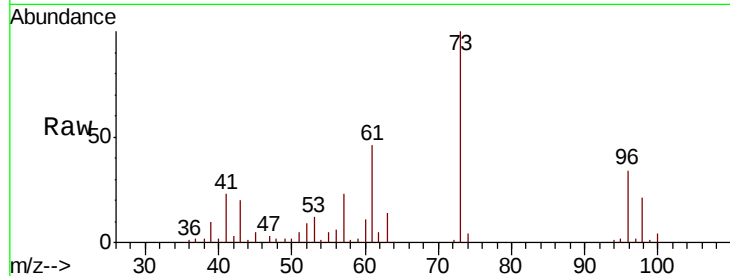




#19
Methyl tert-butyl Ether
Concen: 20.412 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056598.D
Acq: 3 Jul 2019 20:34

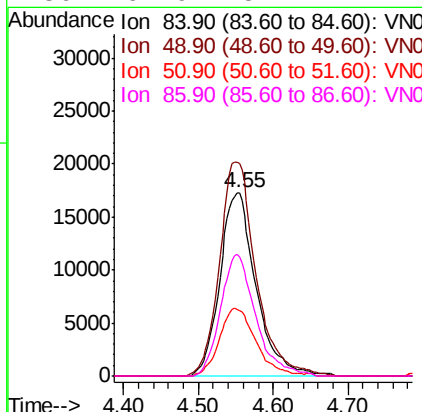
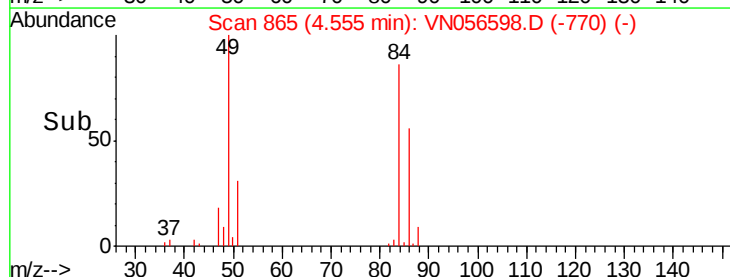
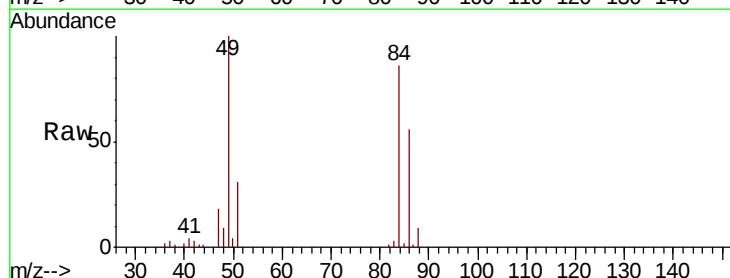
Instrument :
MSVOA_N
ClientSampleId :
VN0704WBSD01

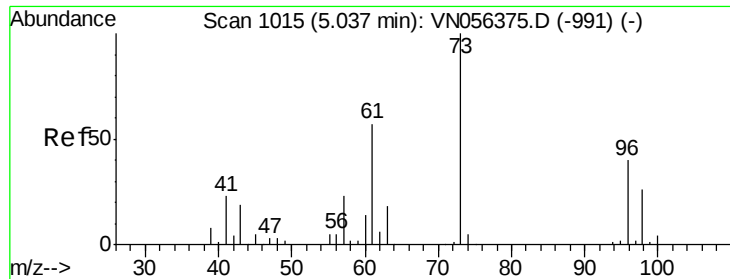
Tot Ion: 73 Resp: 165898
Ion Ratio Lower Upper
73 100
57 22.8 17.9 26.9



#20
Methylene Chloride
Concen: 19.383 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.01 min
Lab File: VN056598.D
Acq: 3 Jul 2019 20:34

Tgt Ion: 84 Resp: 58002
Ion Ratio Lower Upper
84 100
49 115.6 96.4 144.6
51 35.5 28.6 43.0
86 64.9 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 18.626 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.01 min

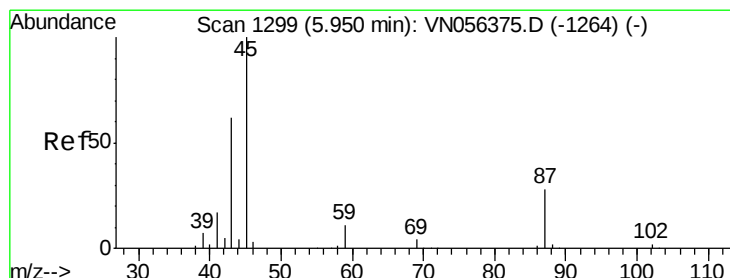
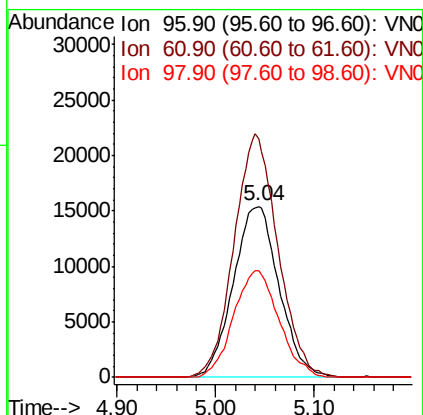
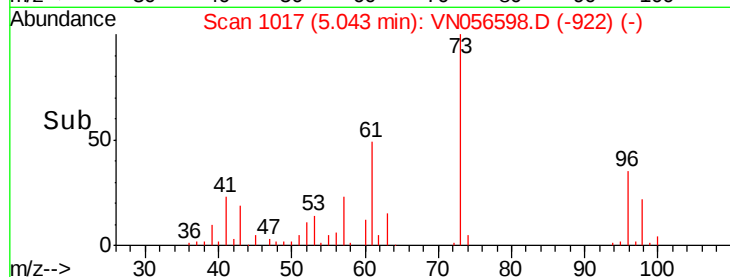
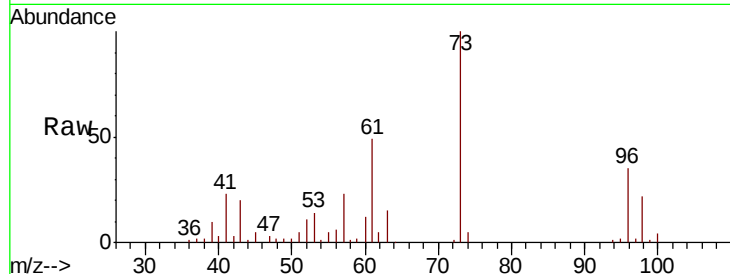
Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

Instrument :
MSVOA_N
ClientSampleId :
VN0704WBSD01

Tot Ion: 96 Resp: 49326

Ion	Ratio	Lower	Upper
96	100		
61	139.5	113.0	169.6
98	62.1	52.2	78.2



#22

Diisopropyl ether

Concen: 21.245 ug/l

RT: 5.96 min Scan# 1301

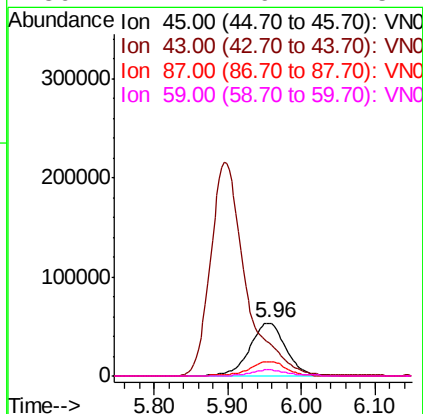
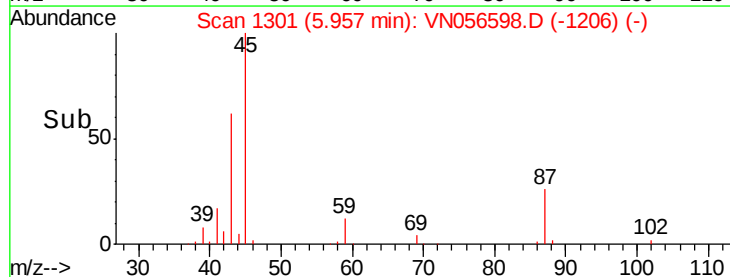
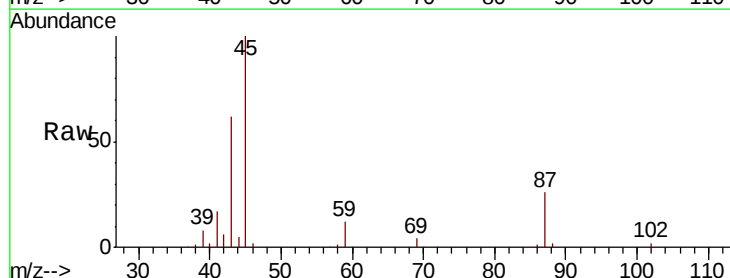
Delta R.T. 0.01 min

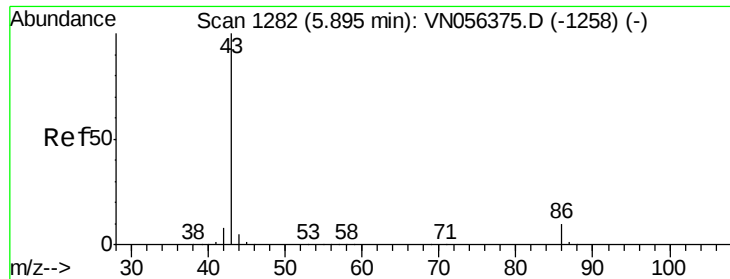
Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

Tgt Ion: 45 Resp: 182432

Ion	Ratio	Lower	Upper
45	100		
43	60.0	50.4	75.6
87	26.5	23.0	34.4
59	11.7	9.1	13.7

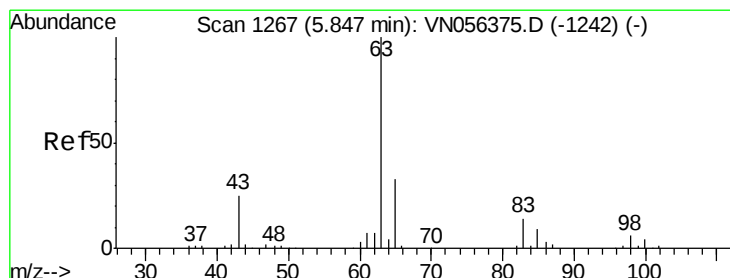
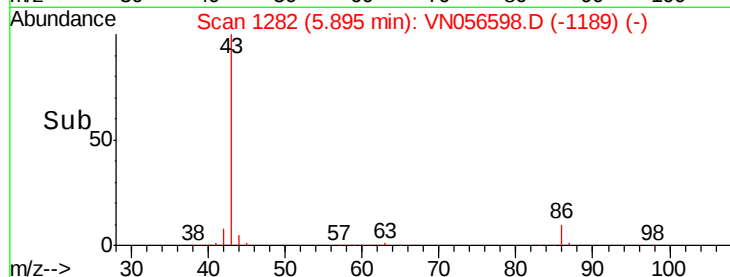
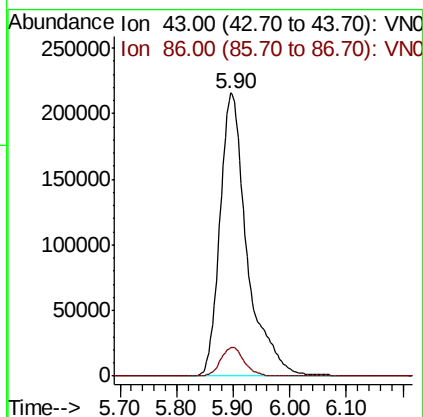
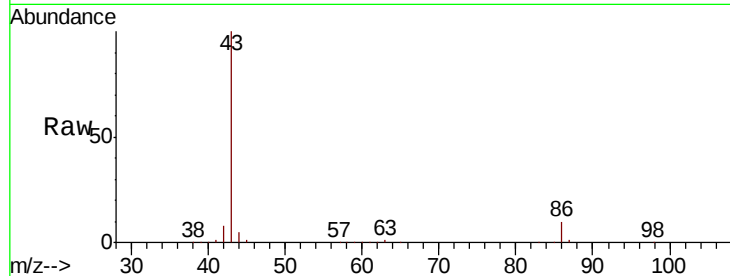




#23
 Vinyl Acetate
 Concen: 106.301 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056598.D
 Acq: 3 Jul 2019 20:34

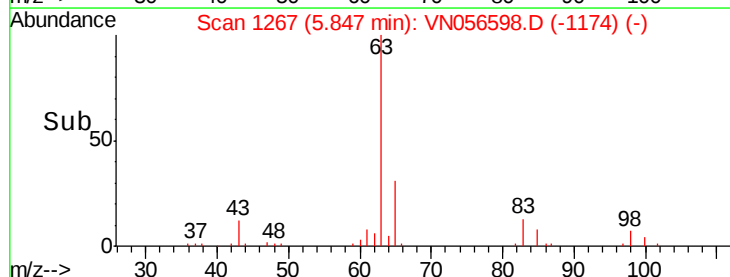
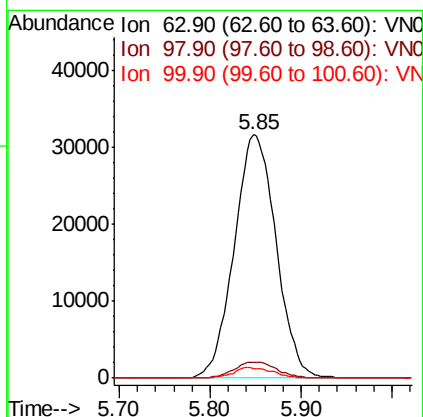
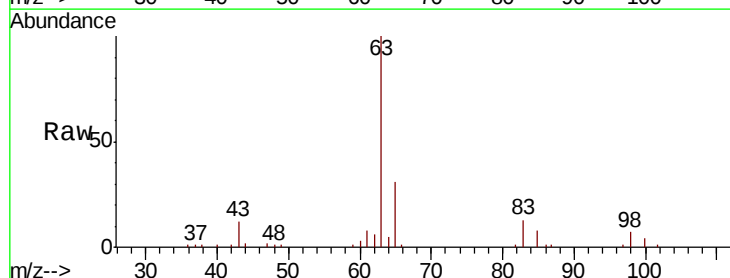
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0704WBSD01

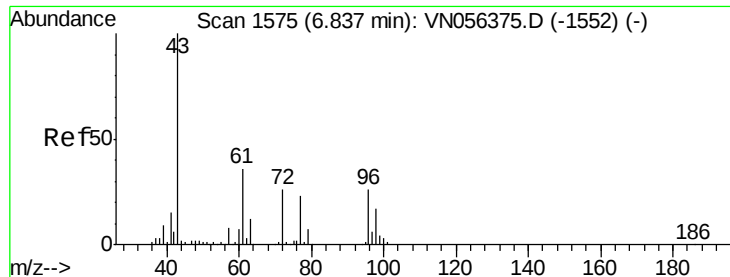
Tot Ion: 43 Resp: 719955
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 20.491 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN056598.D
 Acq: 3 Jul 2019 20:34

Tgt Ion: 63 Resp: 101006
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.2 9.6
 100 4.1 2.1 6.5

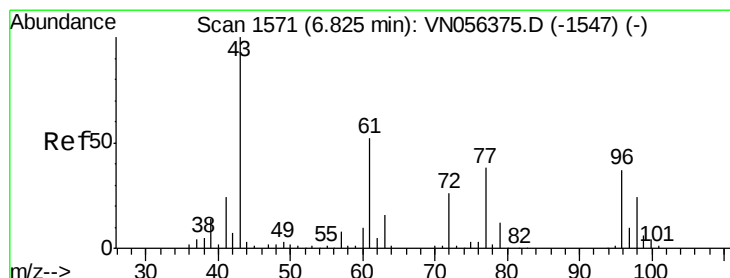
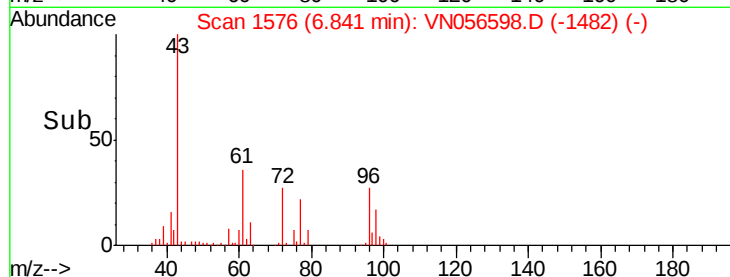
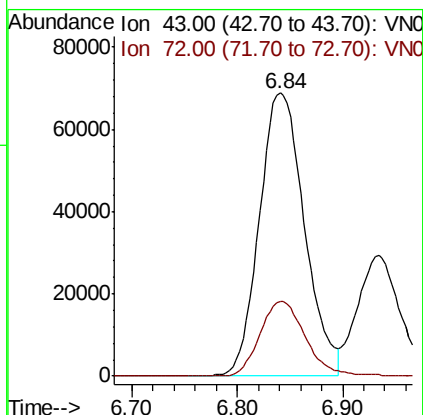
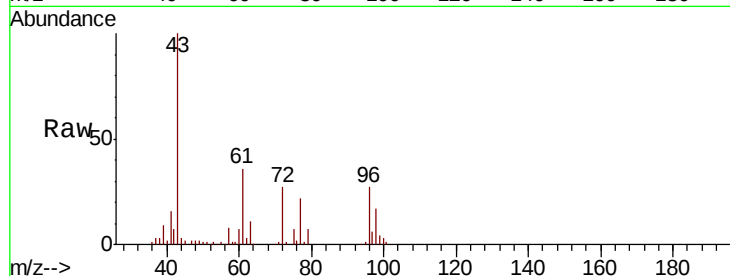




#25
2-Butanone
Concen: 100.170 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN056598.D
Acq: 3 Jul 2019 20:34

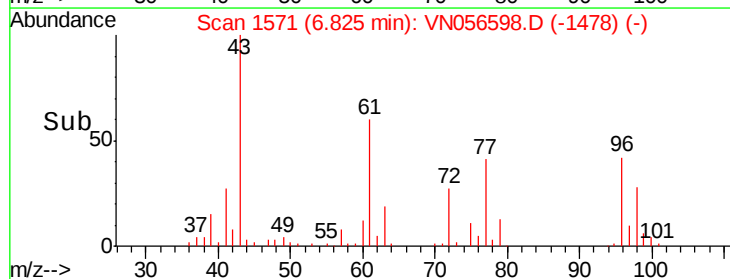
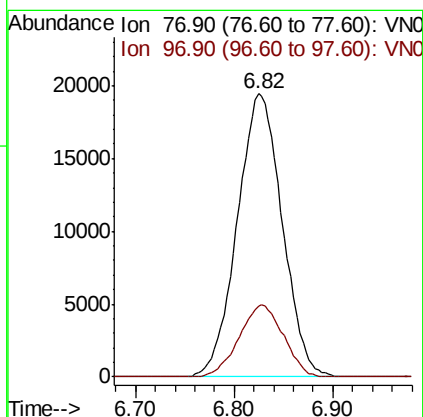
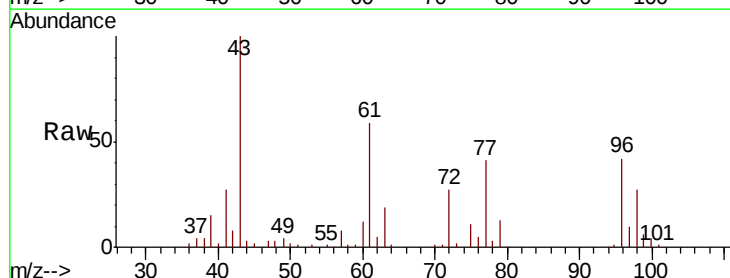
Instrument :
MSVOA_N
ClientSampleId :
VN0704WBSD01

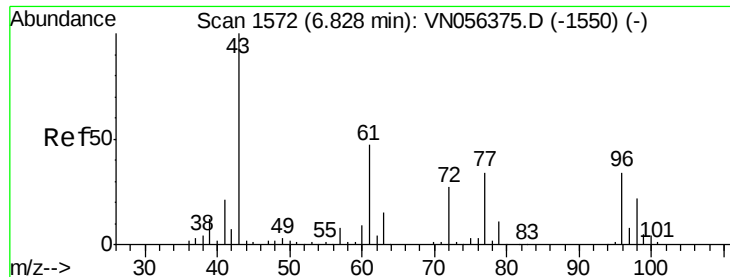
Tot Ion: 43 Resp: 204691
Ion Ratio Lower Upper
43 100
72 26.5 20.6 31.0



#26
2,2-Dichloropropane
Concen: 17.862 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN056598.D
Acq: 3 Jul 2019 20:34

Tgt Ion: 77 Resp: 61235
Ion Ratio Lower Upper
77 100
97 25.1 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 19.630 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

Instrument :

MSVOA_N

ClientSampleId :

VN0704WBSD01

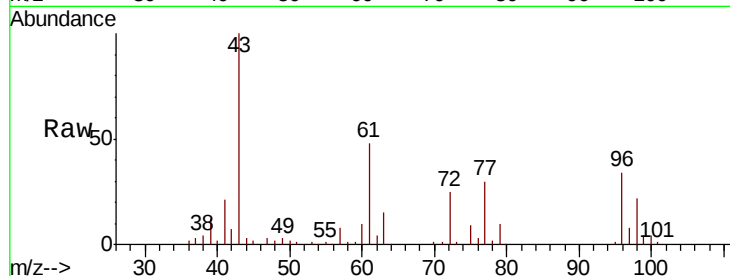
Tot Ion: 96 Resp: 60820

Ion Ratio Lower Upper

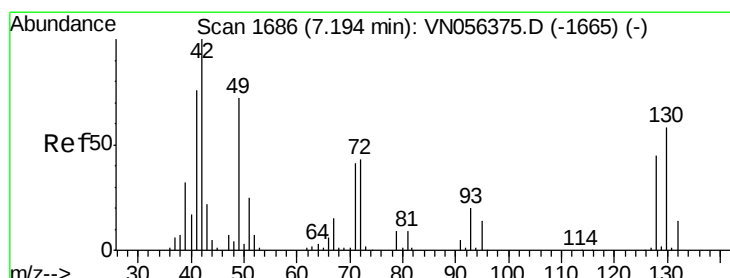
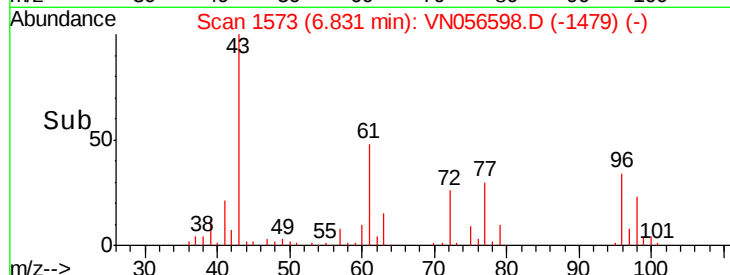
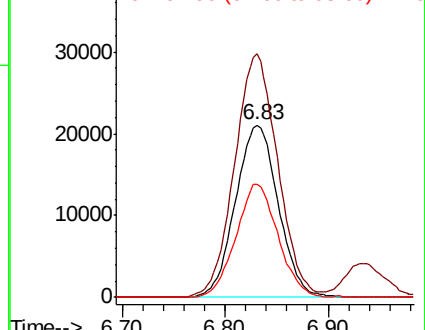
96 100

61 142.2 0.0 279.8

98 64.3 0.0 130.0



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: 20.441 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

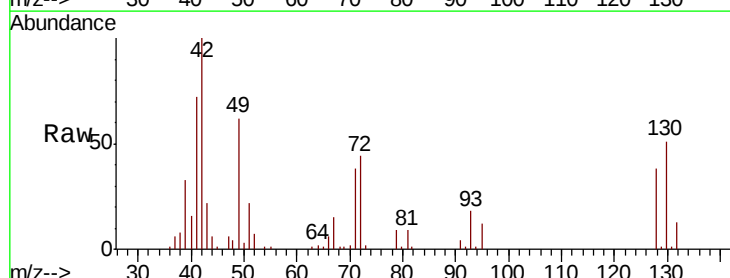
Tgt Ion: 49 Resp: 49837

Ion Ratio Lower Upper

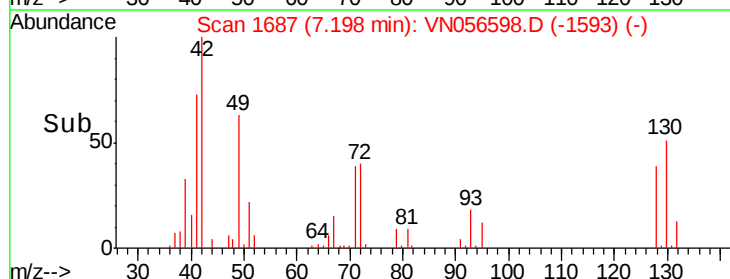
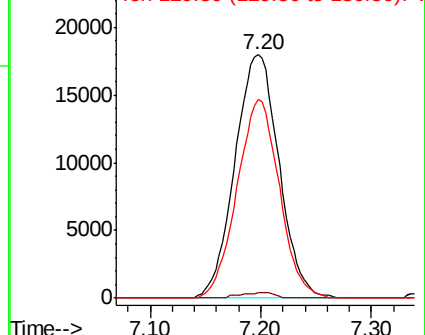
49 100

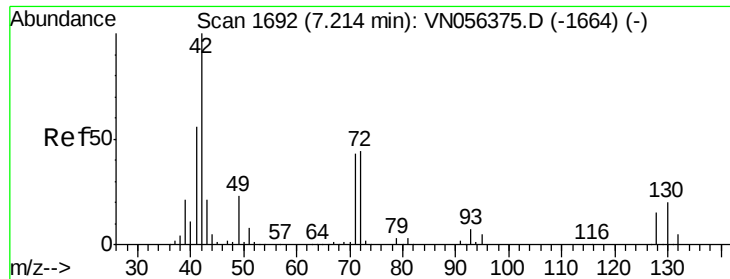
129 1.7 0.0 4.2

130 78.3 64.9 97.3



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

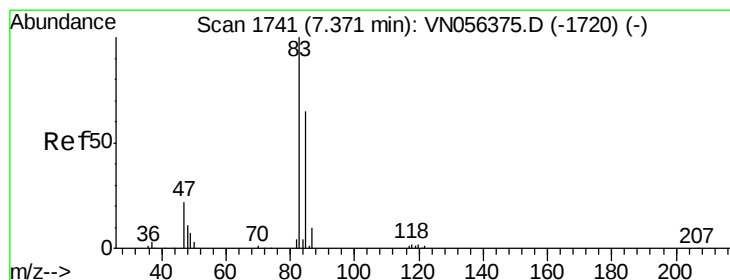
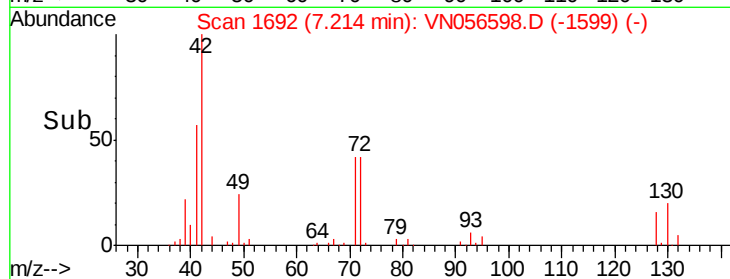
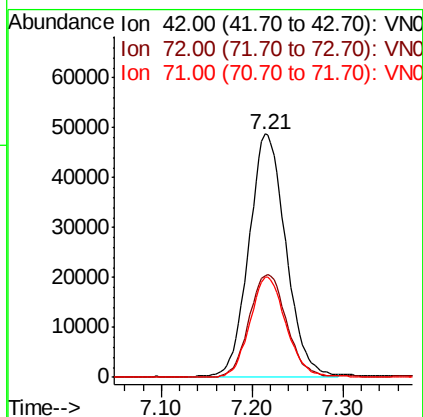
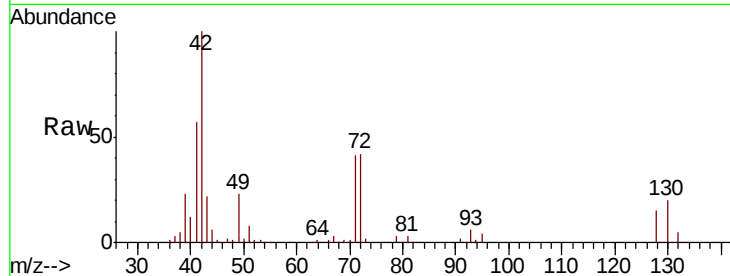




#29
Tetrahydrofuran
Concen: 110.762 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056598.D
Acq: 3 Jul 2019 20:34

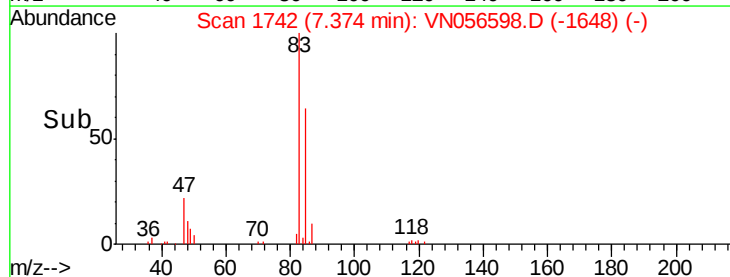
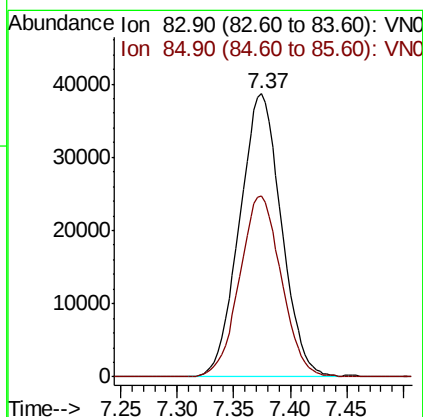
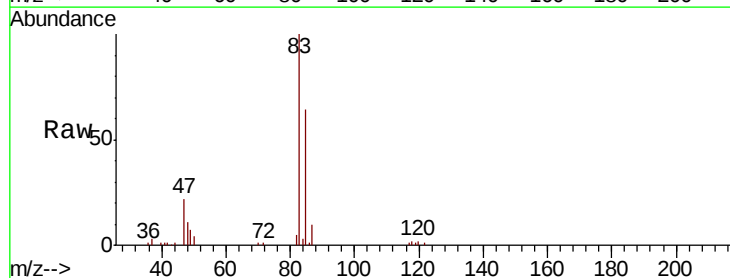
Instrument :
MSVOA_N
ClientSampleId :
VN0704WBSD01

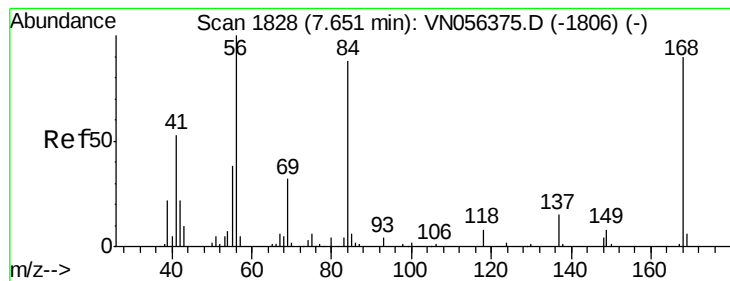
Tot Ion: 42 Resp: 138314
Ion Ratio Lower Upper
42 100
72 42.9 34.7 52.1
71 40.4 33.0 49.6



#30
Chloroform
Concen: 20.460 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN056598.D
Acq: 3 Jul 2019 20:34

Tgt Ion: 83 Resp: 99514
Ion Ratio Lower Upper
83 100
85 63.9 52.3 78.5





#31

Cyclohexane

Concen: 18.199 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

Instrument :

MSVOA_N

ClientSampleId :

VN0704WBSD01

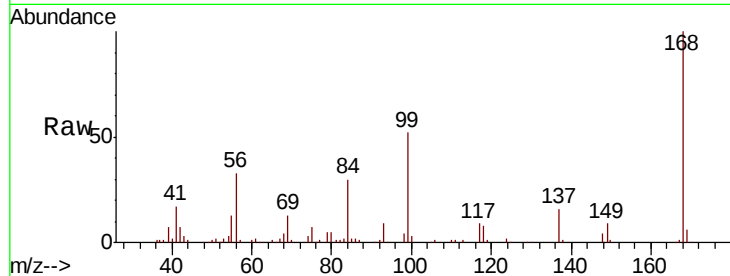
Tot Ion: 56 Resp: 86602

Ion Ratio Lower Upper

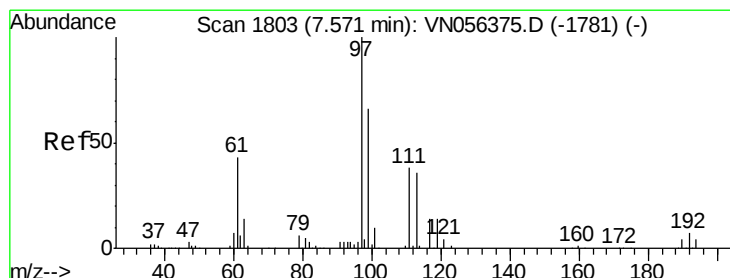
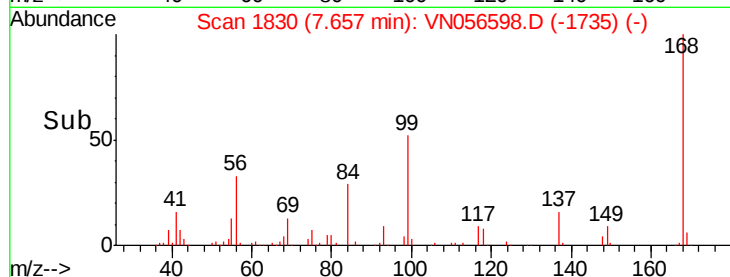
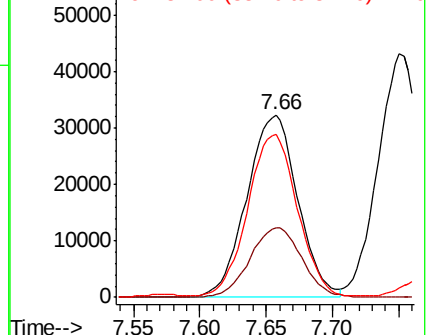
56 100

69 38.2 25.8 38.6

84 88.4 69.4 104.0



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: 20.149 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

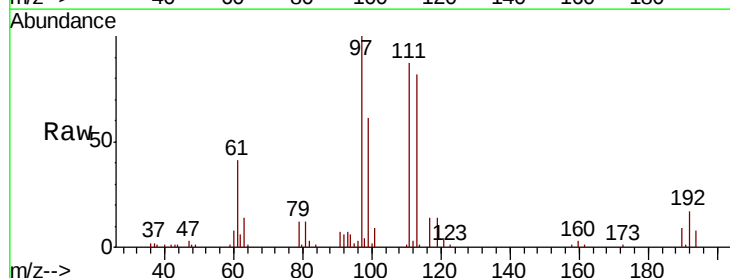
Tgt Ion: 97 Resp: 77682

Ion Ratio Lower Upper

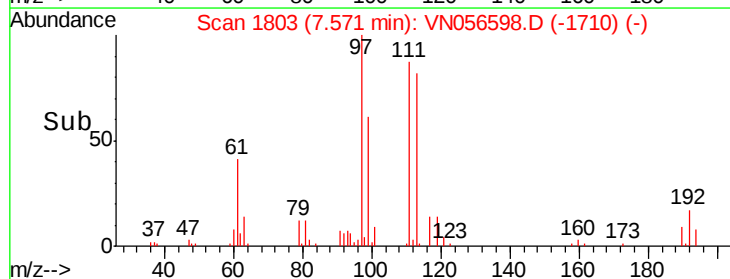
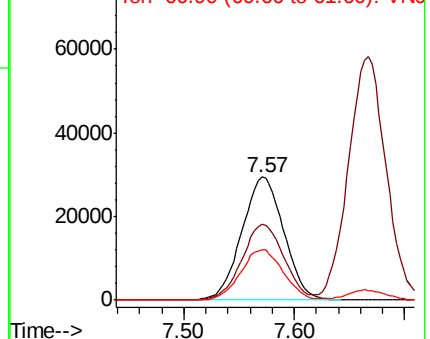
97 100

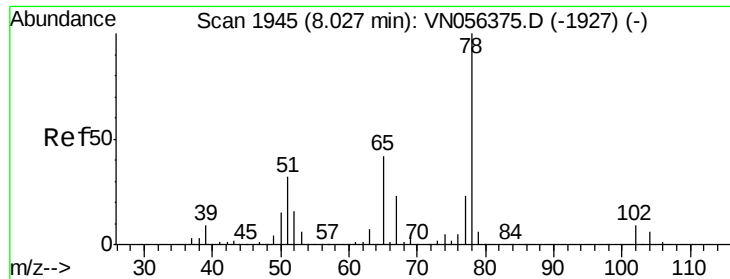
99 61.4 51.8 77.6

61 41.6 33.9 50.9



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

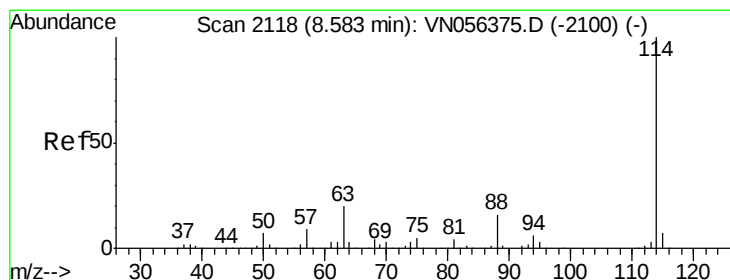
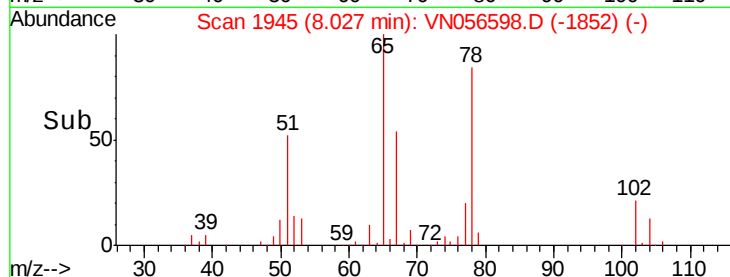
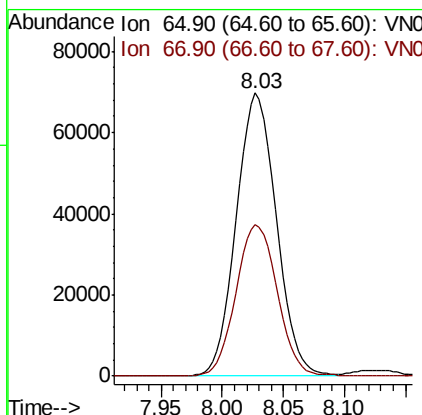
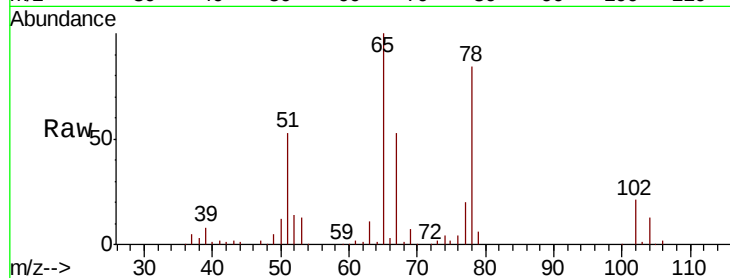




#33
 1,2-Dichloroethane-d4
 Concen: 51.644 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056598.D
 Acq: 3 Jul 2019 20:34

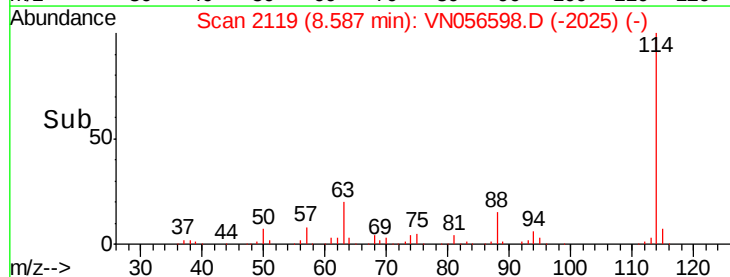
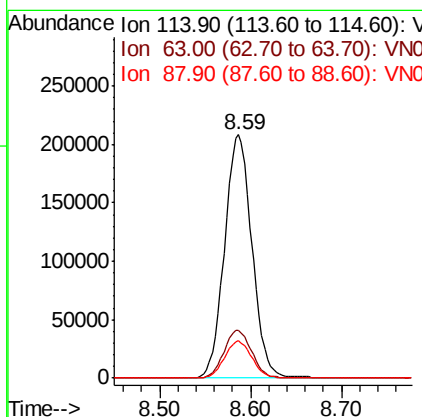
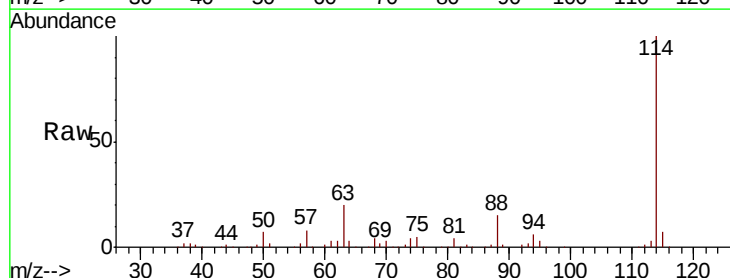
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0704WBSD01

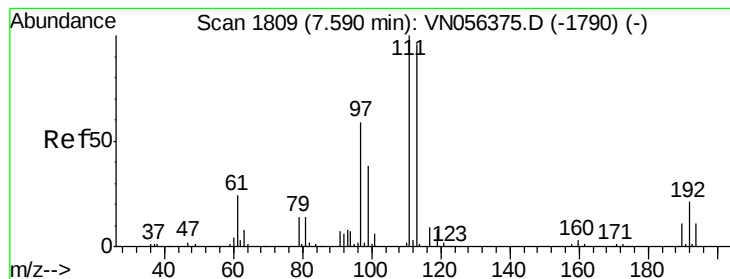
Tot Ion: 65 Resp: 159149
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056598.D
 Acq: 3 Jul 2019 20:34

Tgt Ion: 114 Resp: 436252
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.2
 88 15.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.313 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

Instrument :

MSVOA_N

ClientSampleId :

VN0704WBSD01

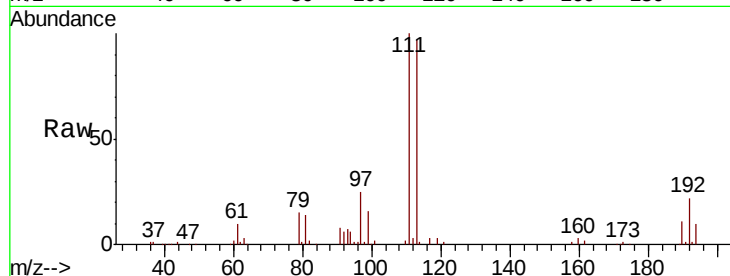
Tot Ion:113 Resp: 139647

Ion Ratio Lower Upper

113 100

111 102.9 82.9 124.3

192 22.1 17.7 26.5

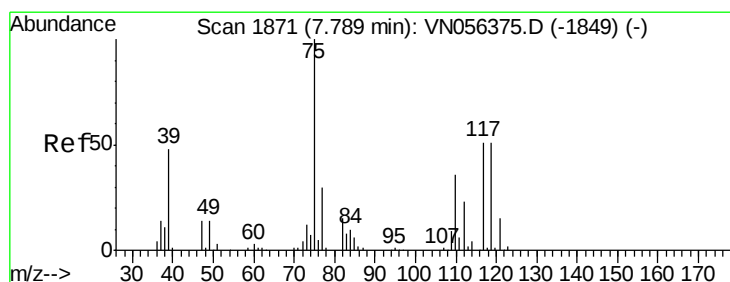
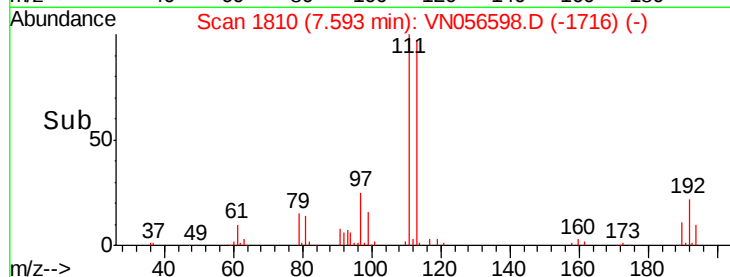
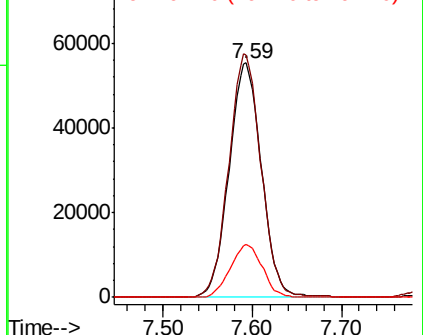


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 17.934 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

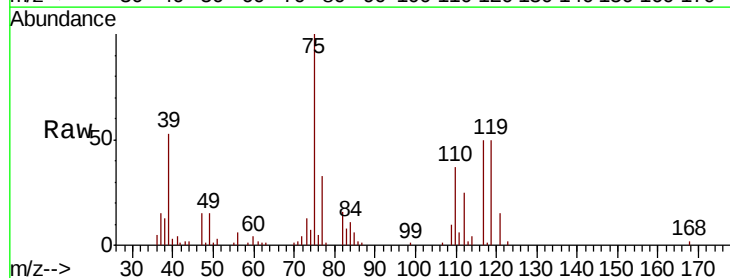
Tgt Ion: 75 Resp: 68863

Ion Ratio Lower Upper

75 100

110 35.9 18.1 54.3

77 31.3 24.6 36.8

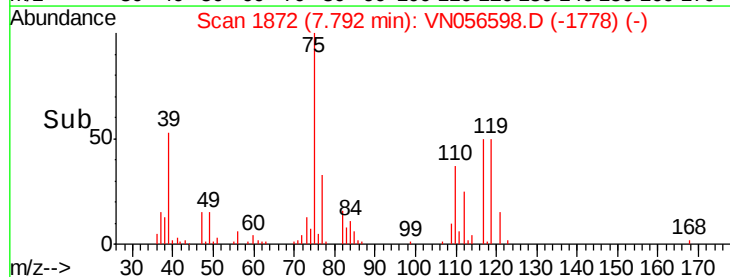
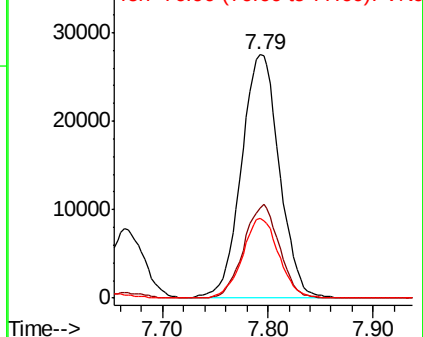


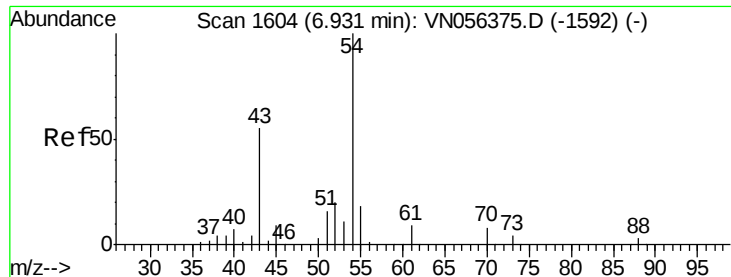
Abundance

Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO

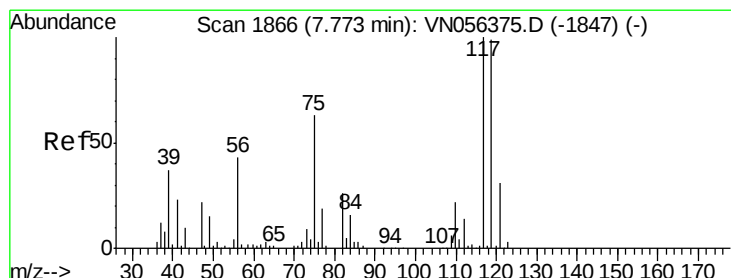
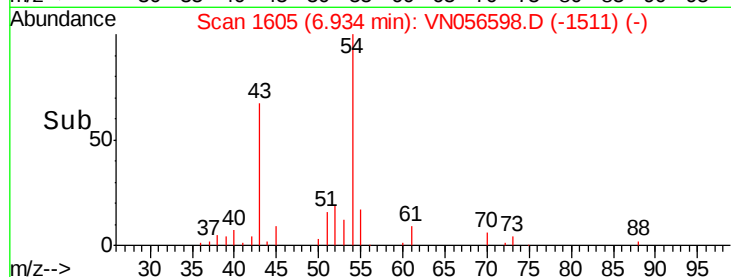
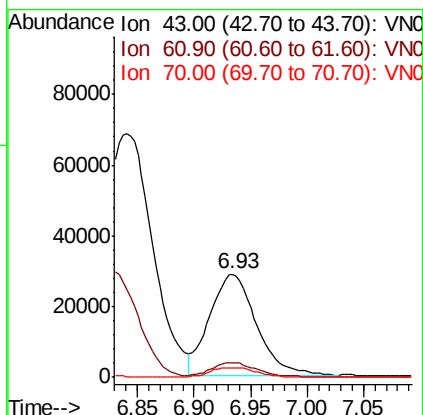
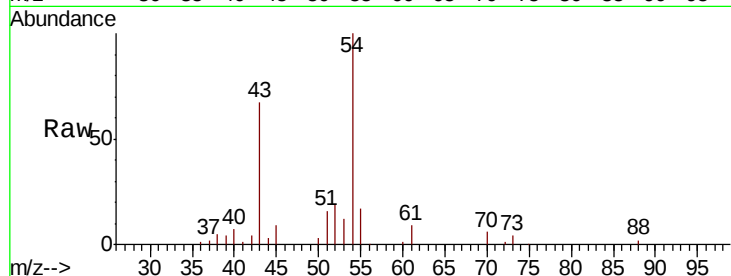




#37
Ethyl Acetate
Concen: 21.846 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056598.D
Acq: 3 Jul 2019 20:34

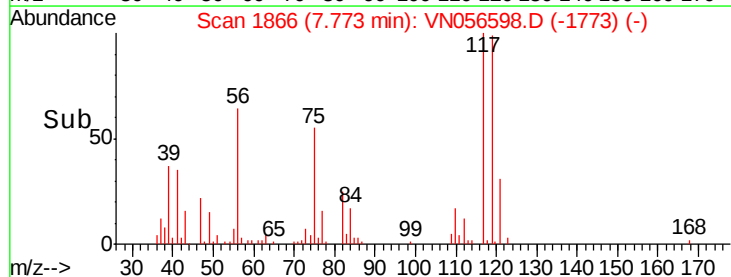
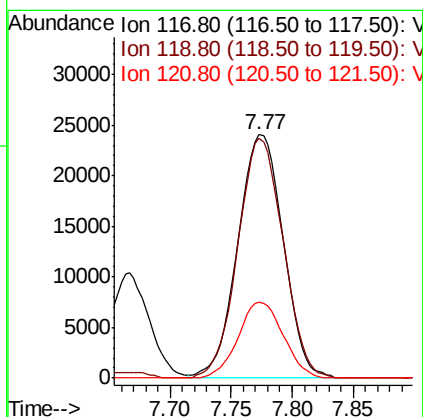
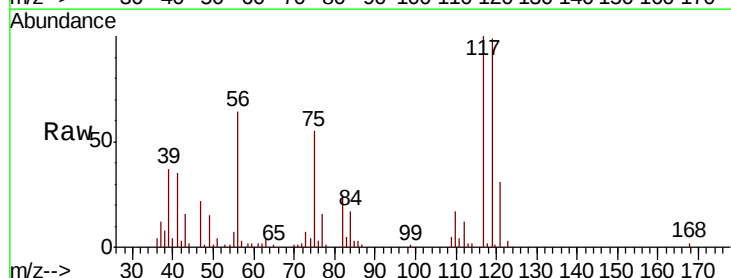
Instrument :
MSVOA_N
ClientSampleId :
VN0704WBSD01

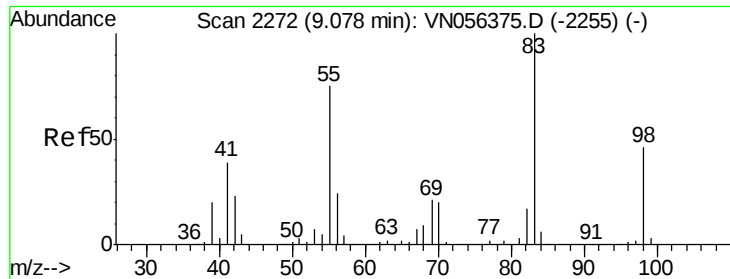
Tot Ion: 43 Resp: 82437
Ion Ratio Lower Upper
43 100
61 14.3 11.1 16.7
70 9.6 8.3 12.5



#38
Carbon Tetrachloride
Concen: 18.524 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056598.D
Acq: 3 Jul 2019 20:34

Tgt Ion: 117 Resp: 62202
Ion Ratio Lower Upper
117 100
119 98.6 79.1 118.7
121 31.2 24.8 37.2

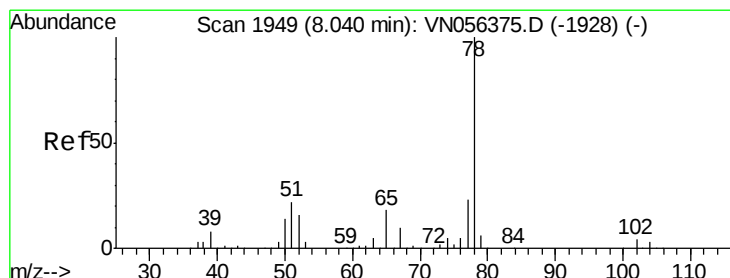
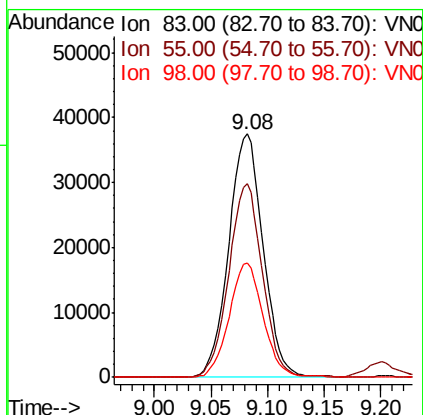
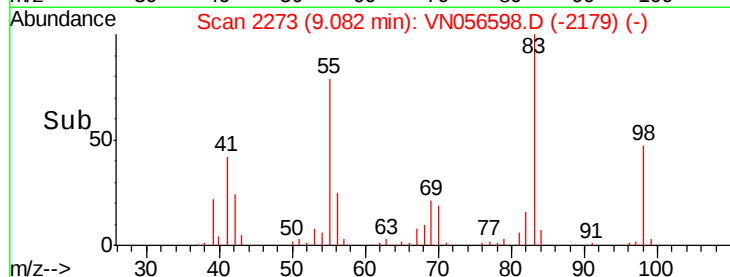
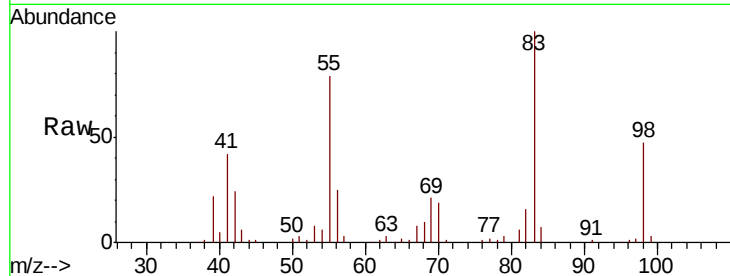




#39
Methvlcvclohexane
Concen: 16.764 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056598.D
Acq: 3 Jul 2019 20:34

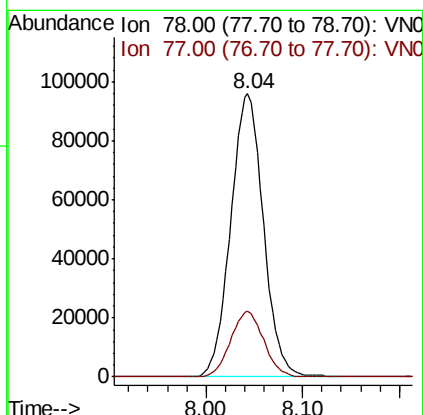
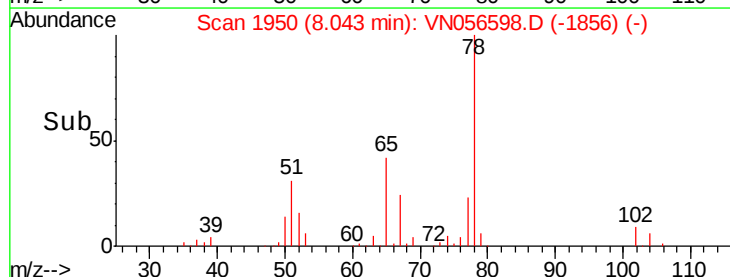
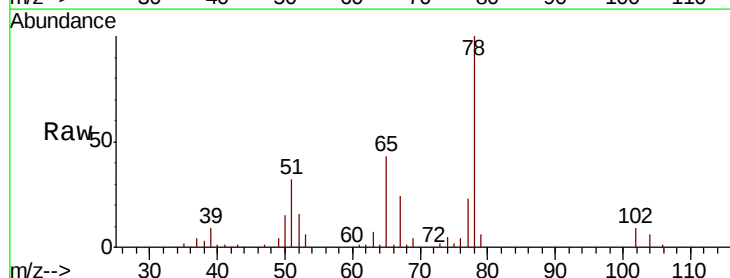
Instrument :
MSVOA_N
ClientSampleId :
VN0704WBSD01

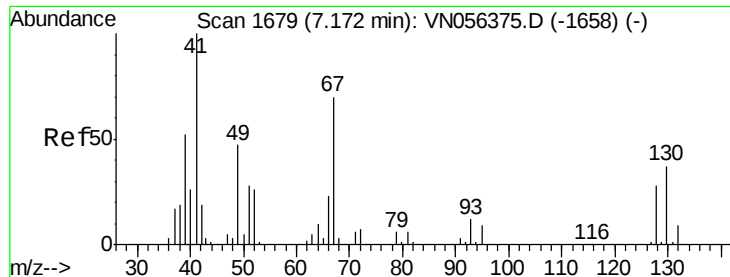
Tot Ion: 83 Resp: 79429
Ion Ratio Lower Upper
83 100
55 79.5 60.0 90.0
98 46.8 36.6 54.8



#40
Benzene
Concen: 19.043 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056598.D
Acq: 3 Jul 2019 20:34

Tgt Ion: 78 Resp: 224920
Ion Ratio Lower Upper
78 100
77 23.2 18.3 27.5

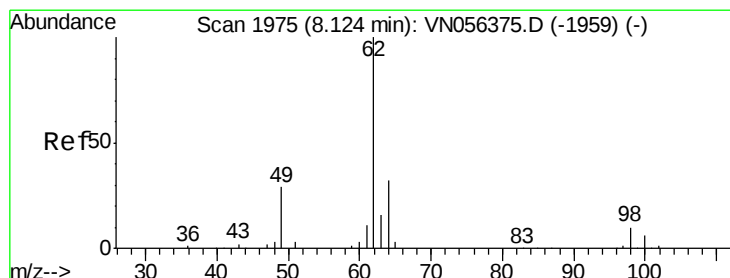
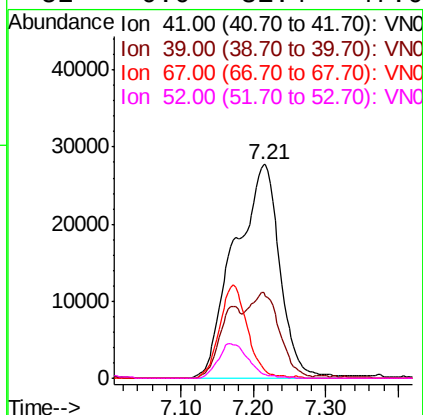
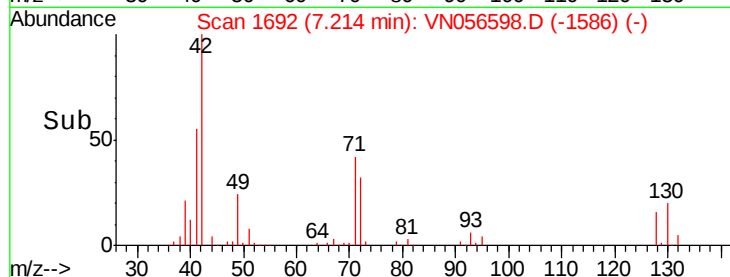
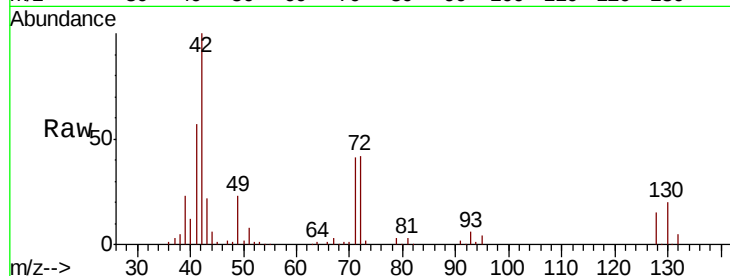




#41
Methacrylonitrile
Concen: 72.124 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.04 min
Lab File: VN056598.D
Acq: 3 Jul 2019 20:34

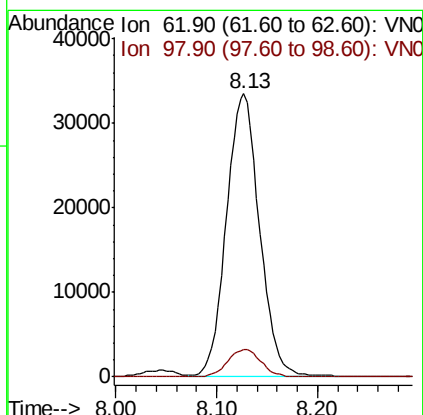
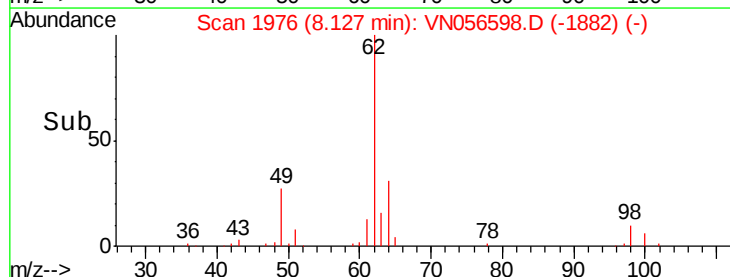
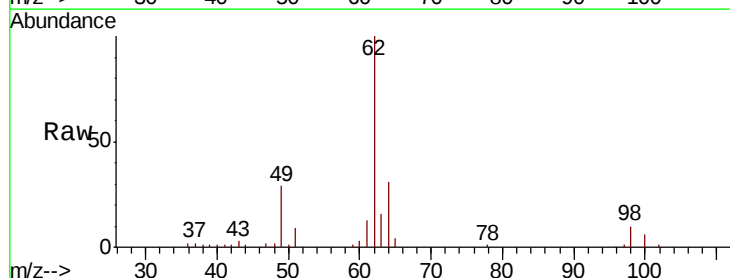
Instrument :
MSVOA_N
ClientSampleId :
VN0704WBSD01

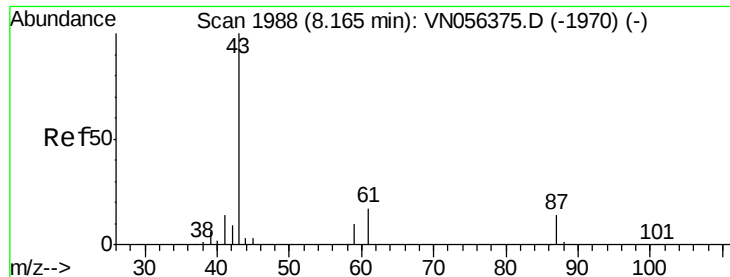
Tot Ion: 41 Resp: 120180
Ion Ratio Lower Upper
41 100
39 0.0 55.3 82.9#
67 0.0 79.2 118.8#
52 0.0 31.4 47.0#



#42
1,2-Dichloroethane
Concen: 19.705 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN056598.D
Acq: 3 Jul 2019 20:34

Tgt Ion: 62 Resp: 76809
Ion Ratio Lower Upper
62 100
98 9.7 0.0 19.4





#43

Isopropyl Acetate

Concen: 21.528 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

Instrument :

MSVOA_N

ClientSampleID :

VN0704WBSD01

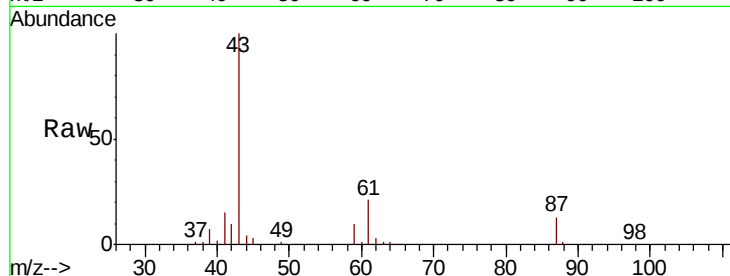
Tot Ion: 43 Resp: 125267

Ion Ratio Lower Upper

43 100

61 21.7 22.0 33.0#

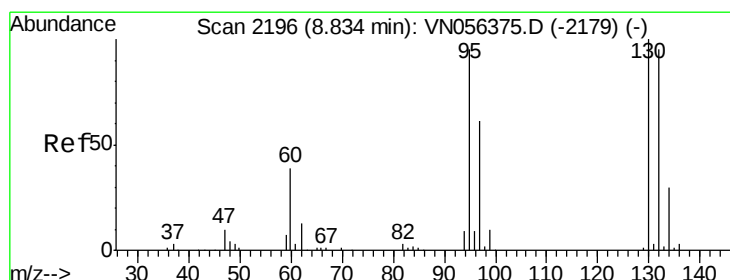
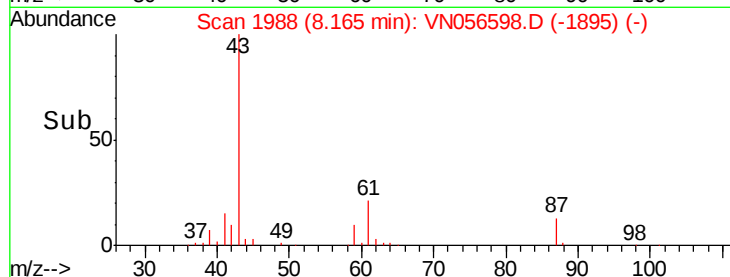
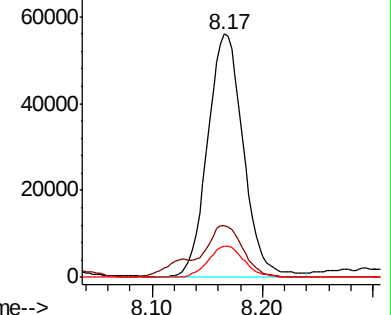
87 13.0 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VN056375.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN056375.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN056375.D (-1970) (-)



#44

Trichloroethene

Concen: 18.182 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN056598.D

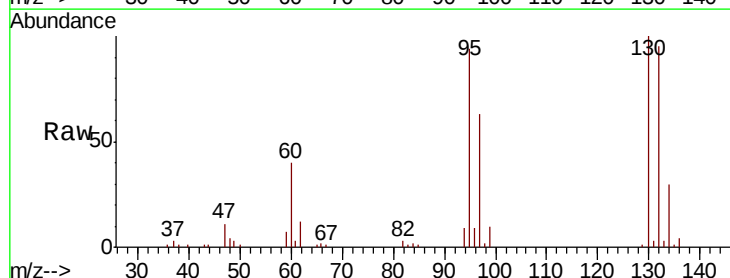
Acq: 3 Jul 2019 20:34

Tgt Ion:130 Resp: 57850

Ion Ratio Lower Upper

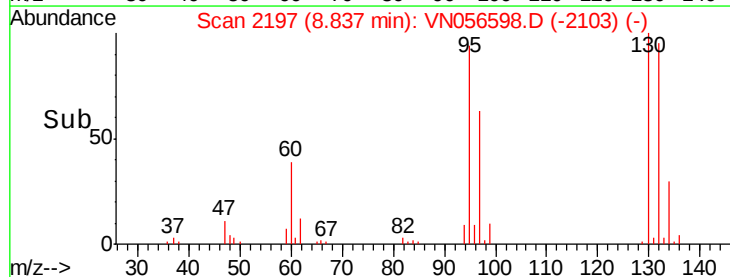
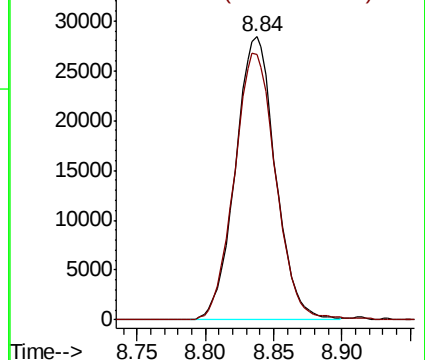
130 100

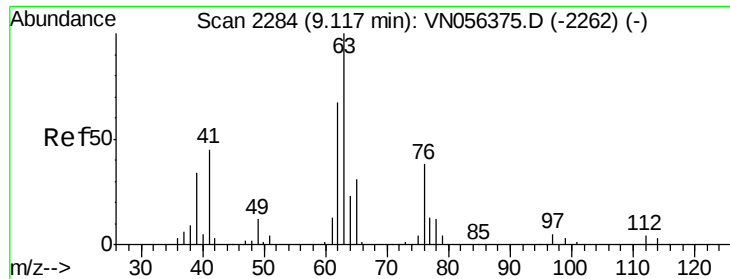
95 93.9 0.0 191.0



Abundance Ion 129.80 (129.50 to 130.50): VN056375.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN056375.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 19.763 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

Instrument :

MSVOA_N

ClientSampleId :

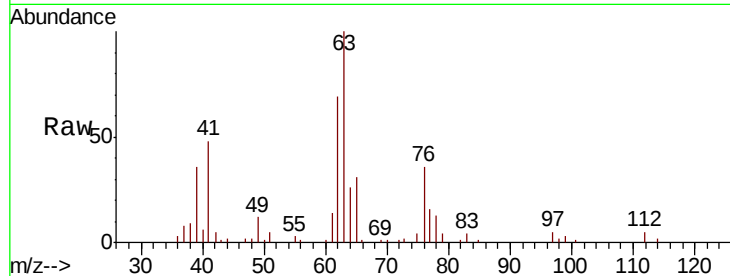
VN0704WBSD01

Tot Ion: 63 Resp: 62426

Ion Ratio Lower Upper

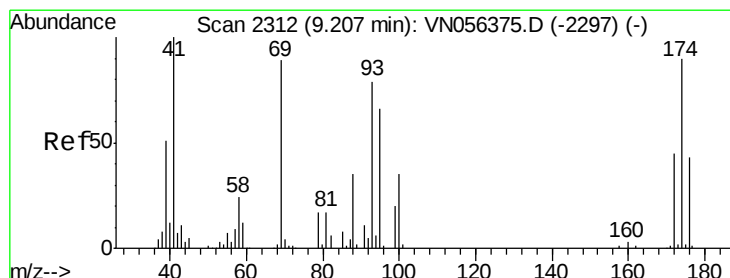
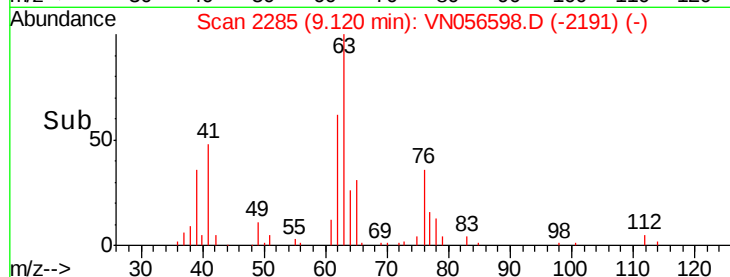
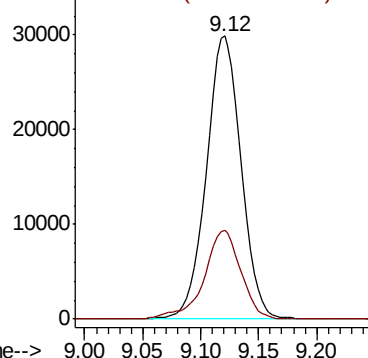
63 100

65 31.5 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.403 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

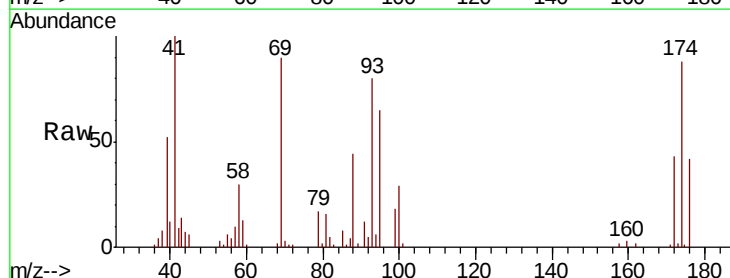
Tgt Ion: 93 Resp: 38344

Ion Ratio Lower Upper

93 100

95 82.3 66.2 99.2

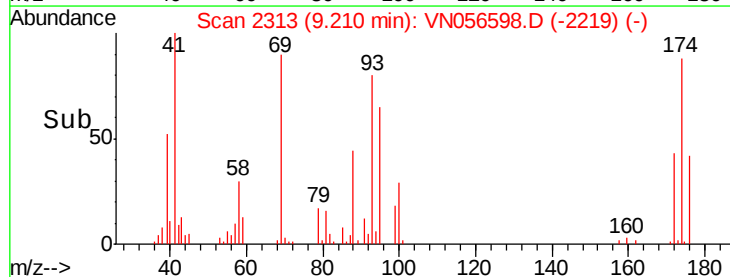
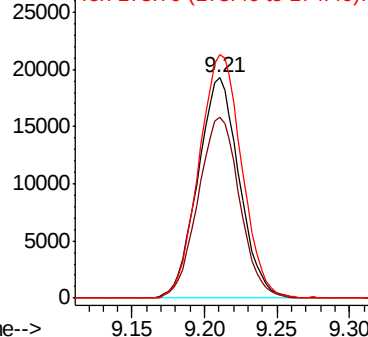
174 113.8 90.8 136.2



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.491 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

Instrument :

MSVOA_N

ClientSampleId :

VN0704WBSD01

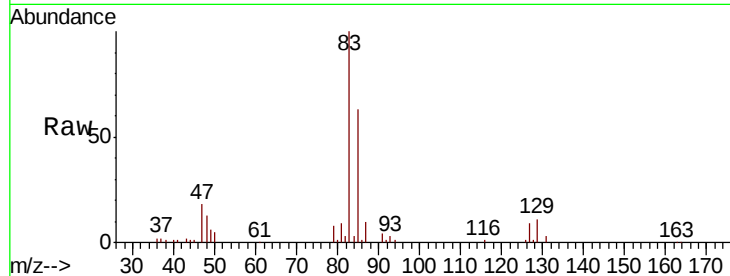
Tot Ion: 83 Resp: 68315

Ion Ratio Lower Upper

83 100

85 63.4 52.2 78.4

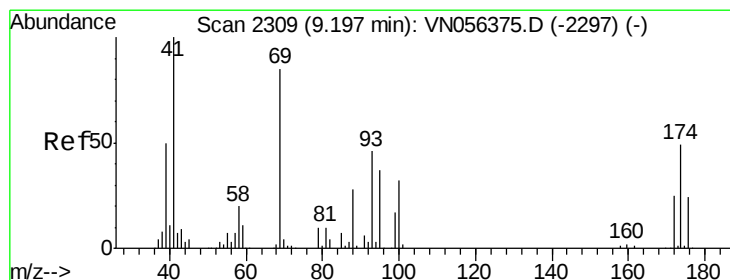
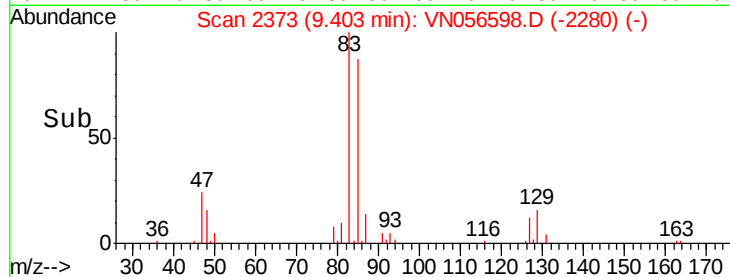
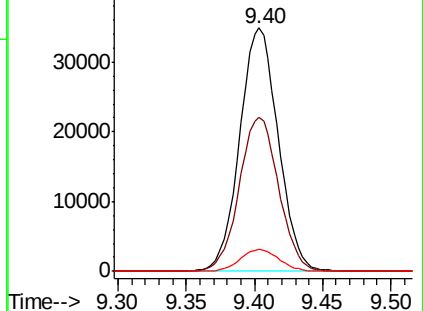
127 9.0 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 21.174 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

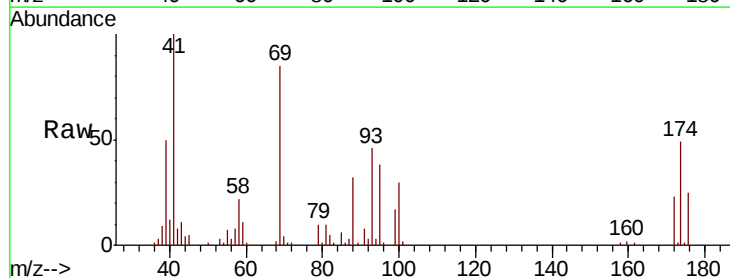
Tgt Ion: 41 Resp: 61741

Ion Ratio Lower Upper

41 100

69 88.1 72.6 109.0

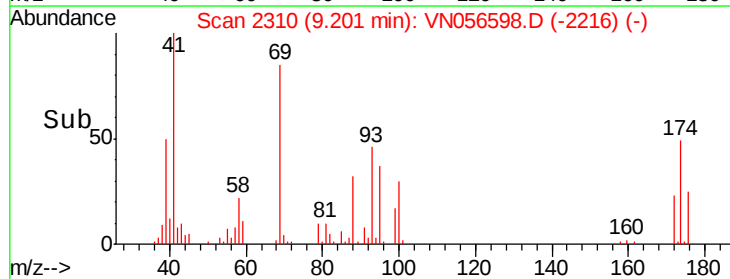
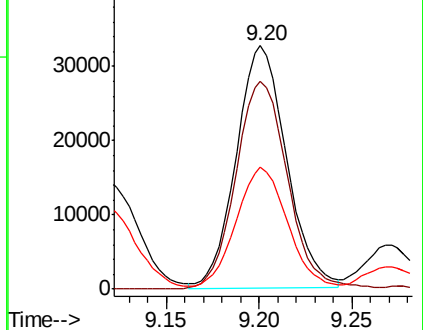
39 52.0 42.6 63.8

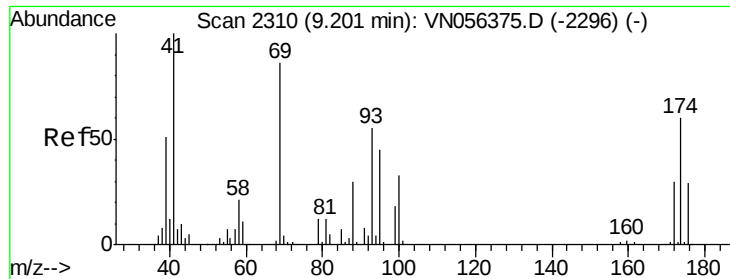


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

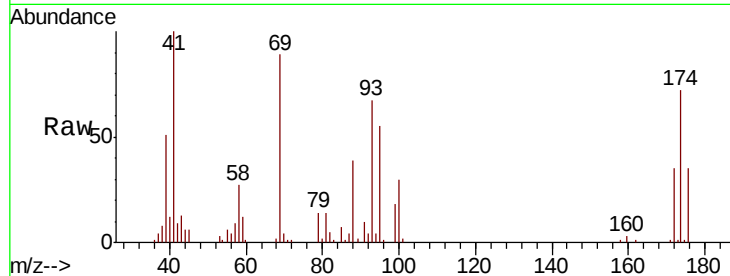




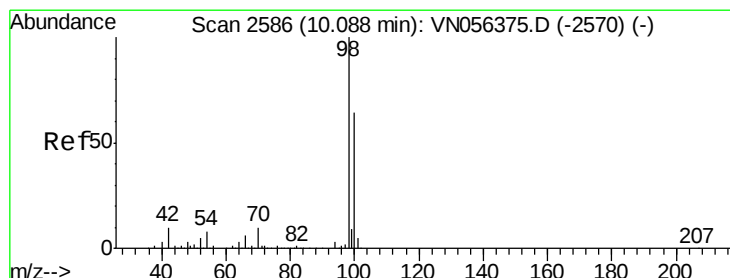
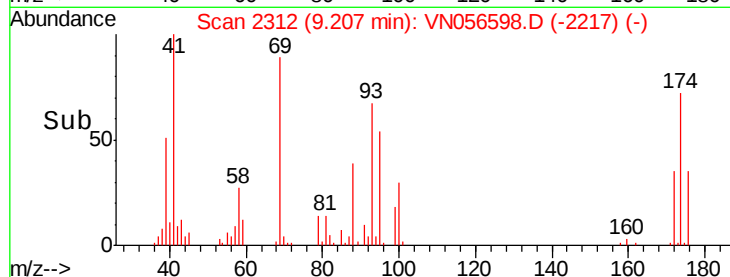
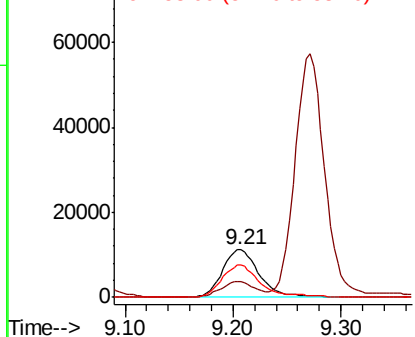
#49
1,4-Dioxane
Concen: 440.072 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.01 min
Lab File: VN056598.D
Acq: 3 Jul 2019 20:34

Instrument :
MSVOA_N
ClientSampleId :
VN0704WBSD01

Tot Ion: 88 Resp: 26629
Ion Ratio Lower Upper
88 100
43 28.6 22.0 33.0
58 70.7 51.8 77.8

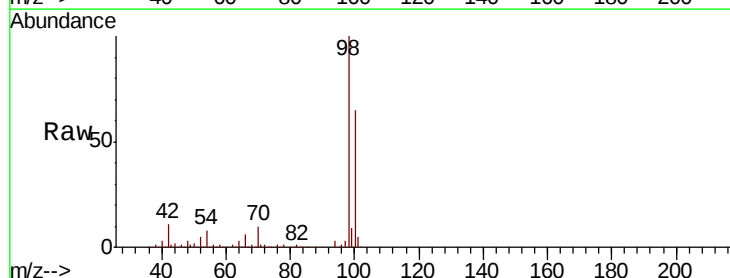


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

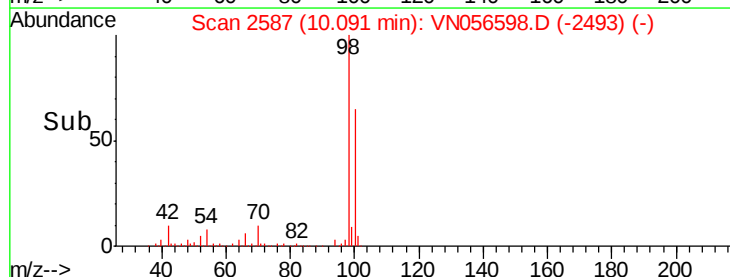
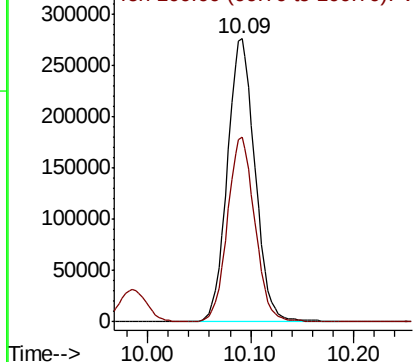


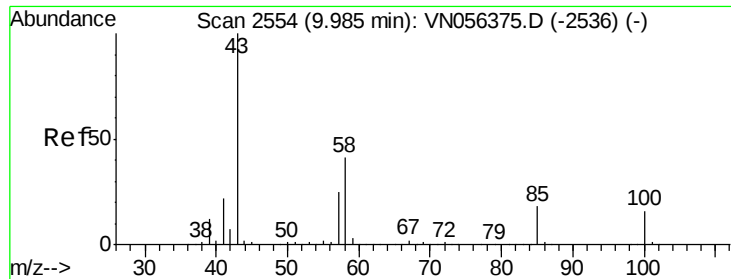
#50
Toluene-d8
Concen: 48.584 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056598.D
Acq: 3 Jul 2019 20:34

Tgt Ion: 98 Resp: 514479
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.2



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





#51

4-Methyl-2-Pentanone

Concen: 110.252 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

Instrument :

MSVOA_N

ClientSampleID :

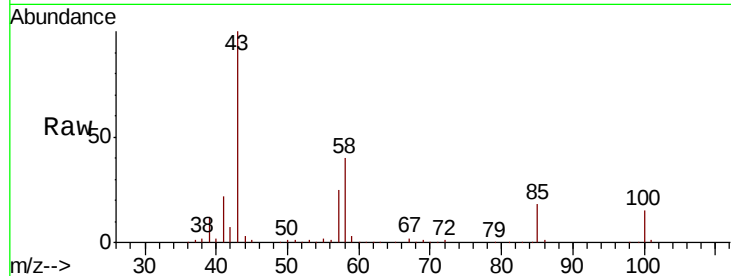
VN0704WBSD01

Tot Ion: 43 Resp: 414063

Ion Ratio Lower Upper

43 100

58 39.9 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

250000

200000

150000

100000

50000

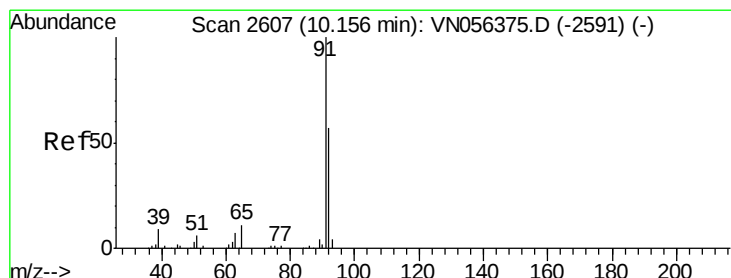
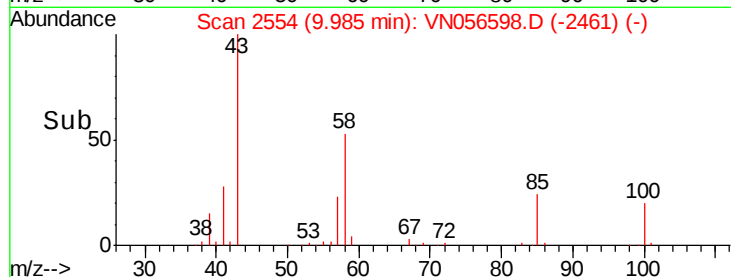
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 19.048 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056598.D

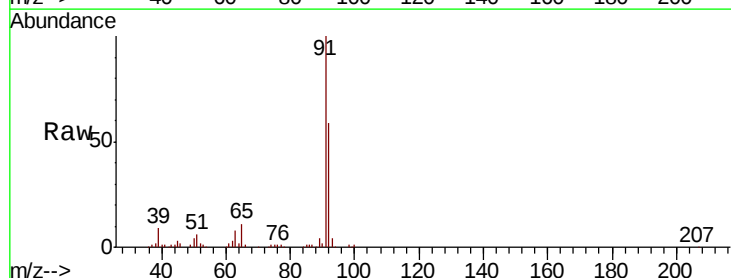
Acq: 3 Jul 2019 20:34

Tgt Ion: 92 Resp: 137547

Ion Ratio Lower Upper

92 100

91 173.6 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

150000

100000

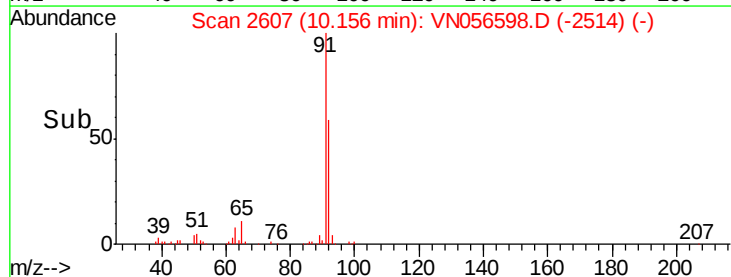
50000

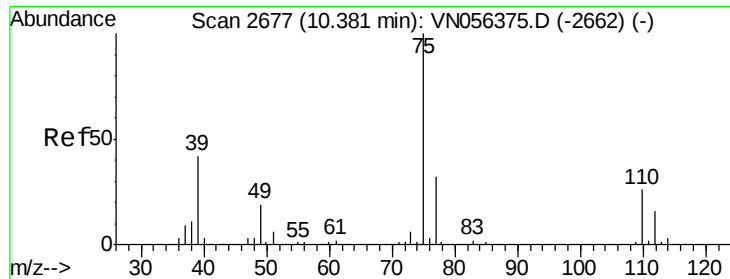
0

10.10

10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.143 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

Instrument :

MSVOA_N

ClientSampleId :

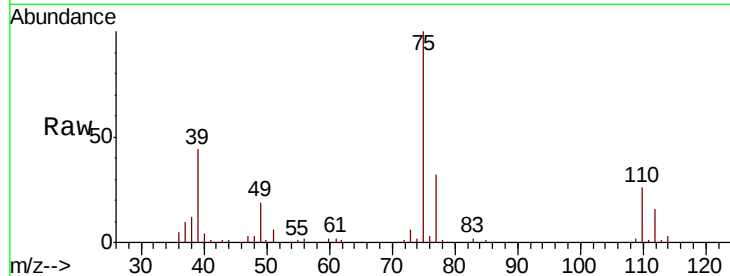
VN0704WBSD01

Tot Ion: 75 Resp: 70417

Ion Ratio Lower Upper

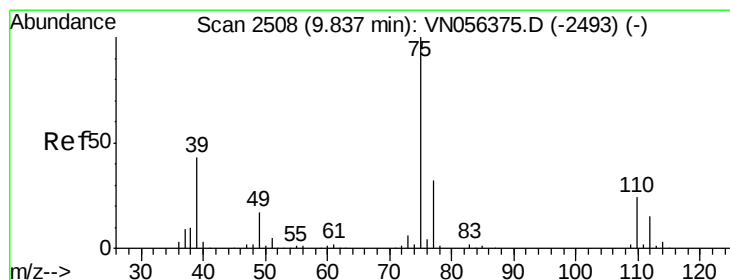
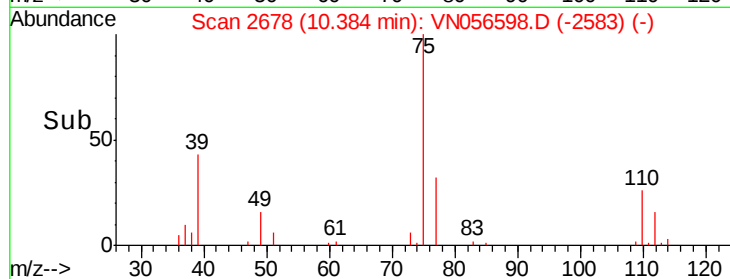
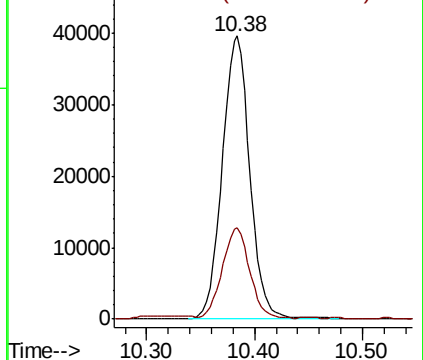
75 100

77 32.0 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.473 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

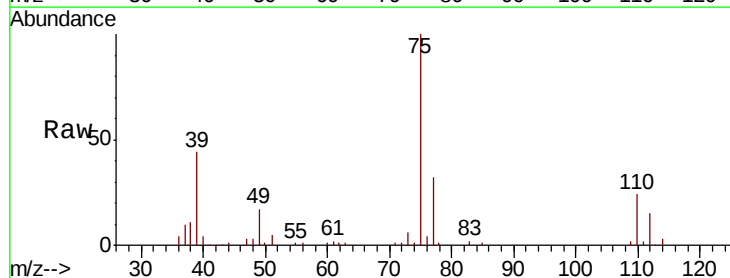
Tgt Ion: 75 Resp: 82193

Ion Ratio Lower Upper

75 100

77 31.8 25.2 37.8

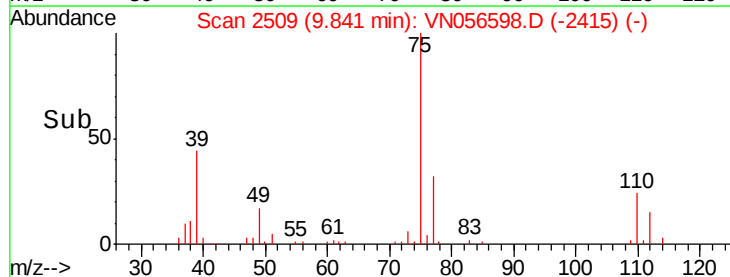
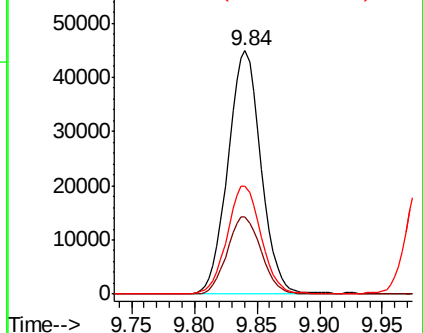
39 44.4 34.2 51.4

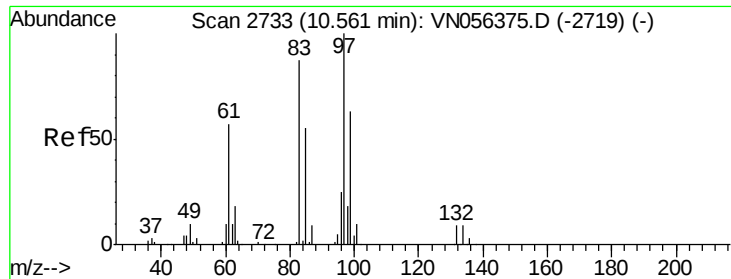


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

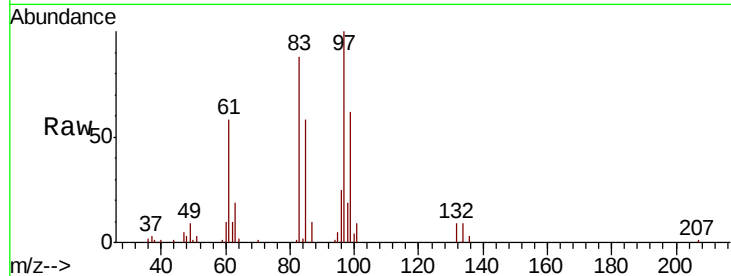




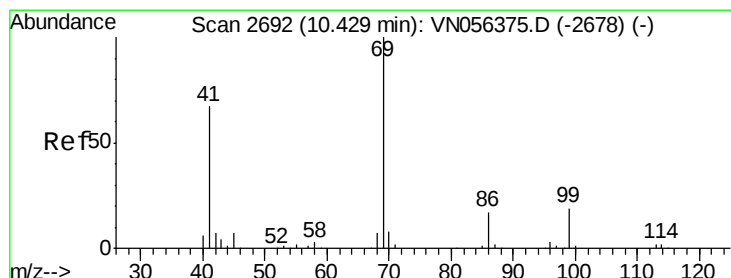
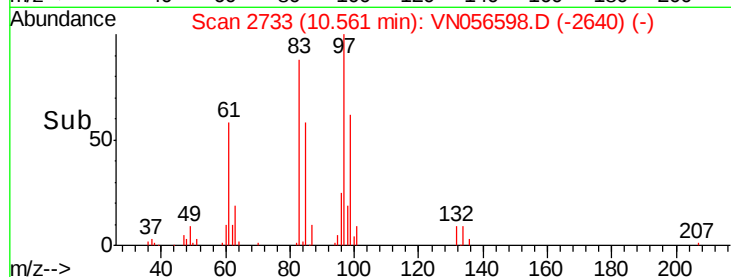
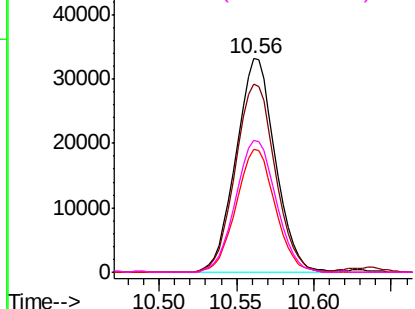
#55
 1,1,2-Trichloroethane
 Concen: 20.190 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056598.D
 Acq: 3 Jul 2019 20:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0704WBSD01

Tot Ion: 97 Resp: 58602
 Ion Ratio Lower Upper
 97 100
 83 87.9 69.8 104.6
 85 57.5 43.8 65.8
 99 62.0 50.2 75.2

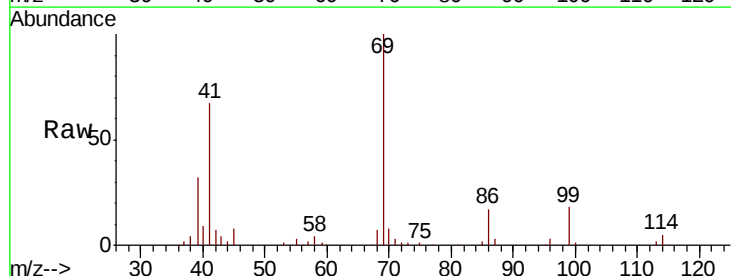


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

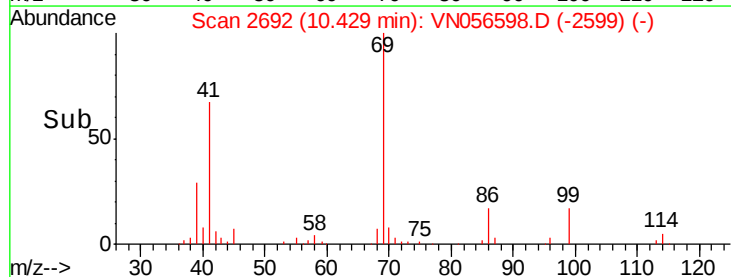
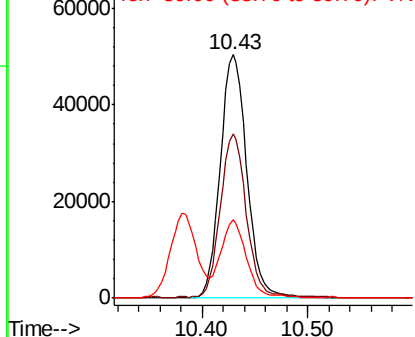


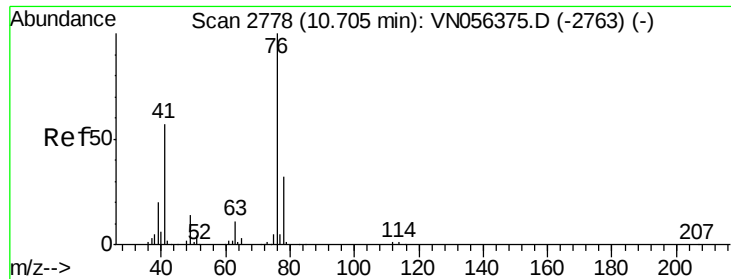
#56
 Ethyl methacrylate
 Concen: 20.758 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056598.D
 Acq: 3 Jul 2019 20:34

Tgt Ion: 69 Resp: 88052
 Ion Ratio Lower Upper
 69 100
 41 66.9 51.4 77.2
 39 30.7 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: 20.140 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

Instrument :

MSVOA_N

ClientSampleId :

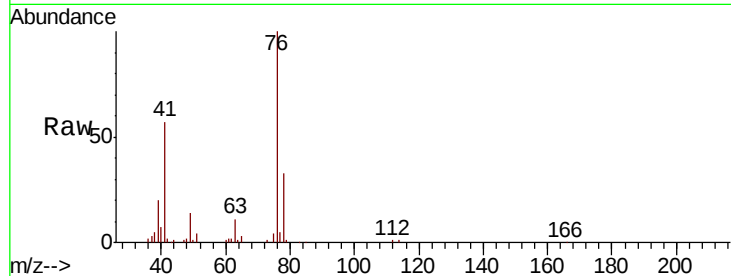
VN0704WBSD01

Tot Ion: 76 Resp: 98208

Ion Ratio Lower Upper

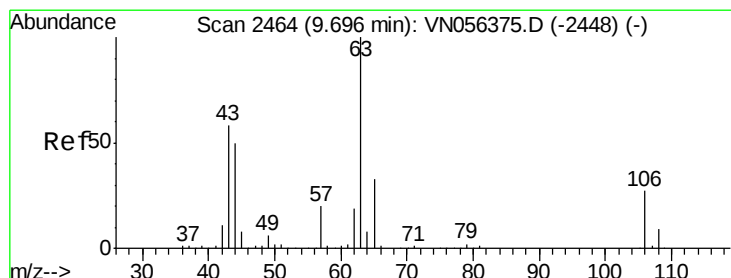
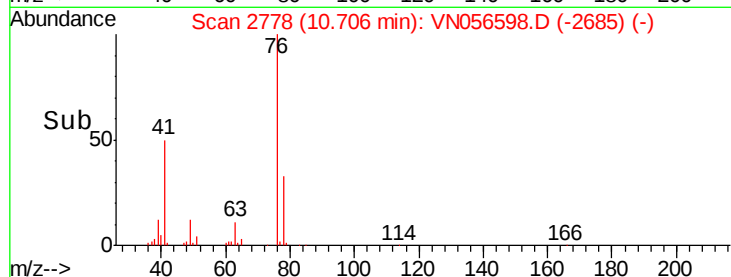
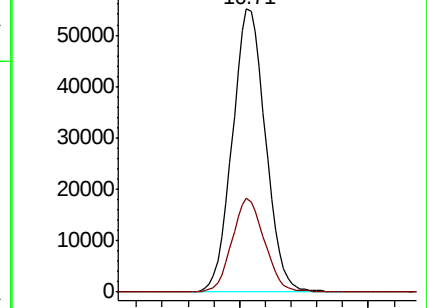
76 100

78 32.4 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 144.740 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056598.D

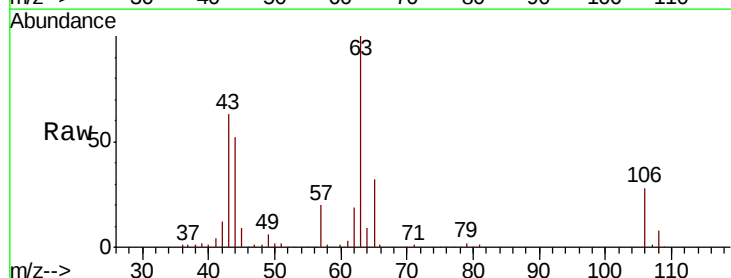
Acq: 3 Jul 2019 20:34

Tgt Ion: 63 Resp: 220571

Ion Ratio Lower Upper

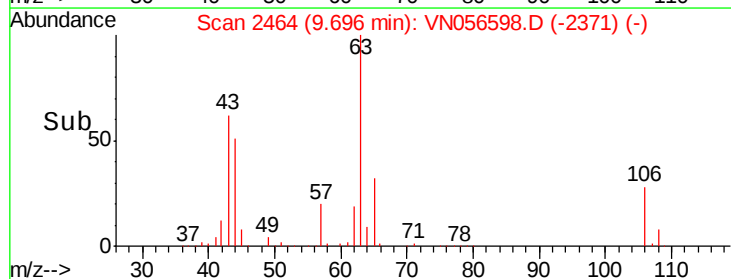
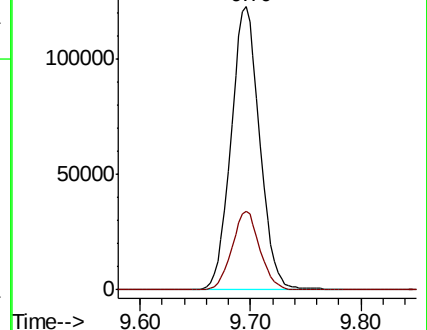
63 100

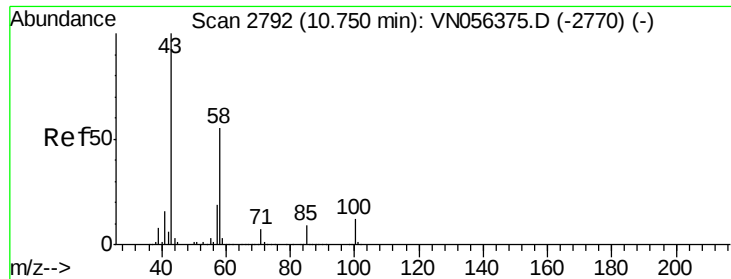
106 26.9 21.6 32.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

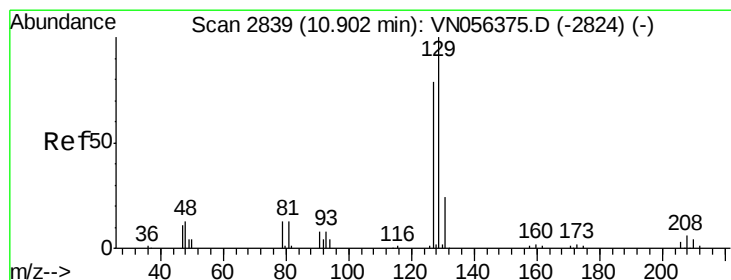
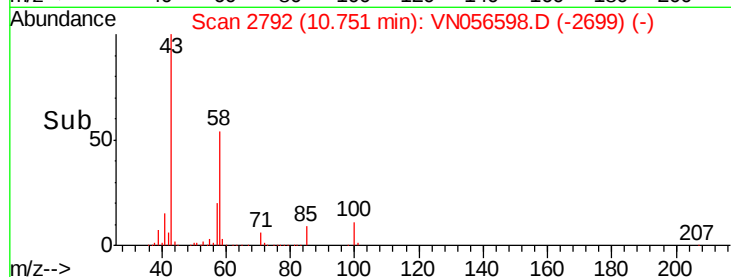
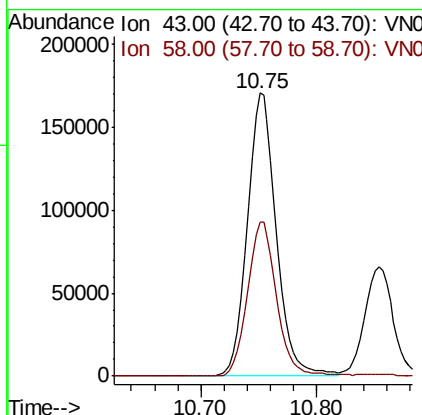
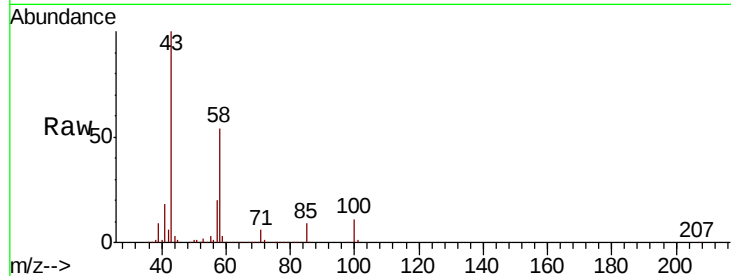




#59
2-Hexanone
Concen: 107.387 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056598.D
Acq: 3 Jul 2019 20:34

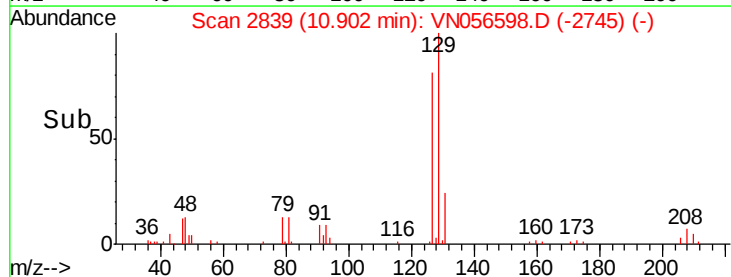
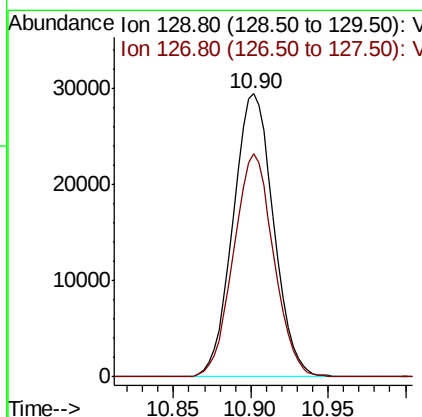
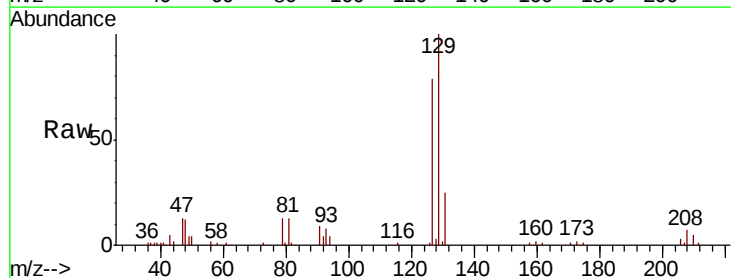
Instrument :
MSVOA_N
ClientSampleId :
VN0704WBSD01

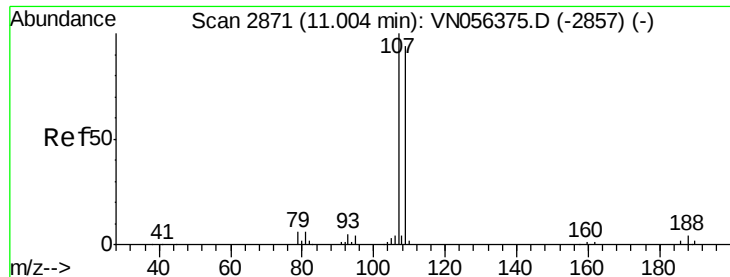
Tot Ion: 43 Resp: 296412
Ion Ratio Lower Upper
43 100
58 54.8 27.8 83.4



#60
Dibromochloromethane
Concen: 19.515 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056598.D
Acq: 3 Jul 2019 20:34

Tgt Ion: 129 Resp: 53672
Ion Ratio Lower Upper
129 100
127 78.1 38.9 116.7

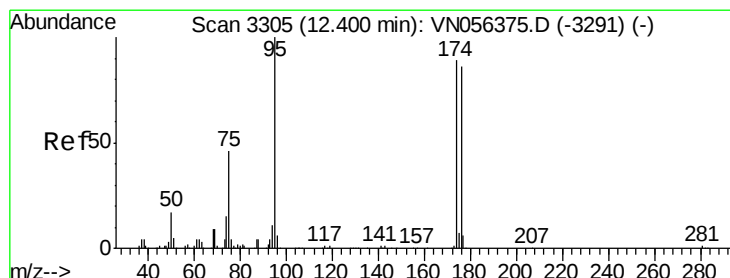
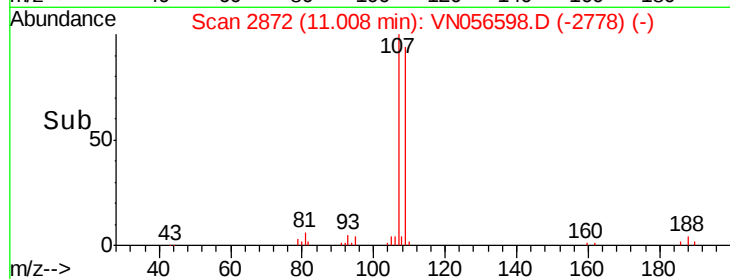
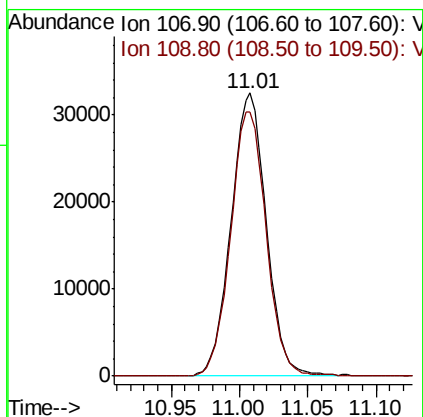
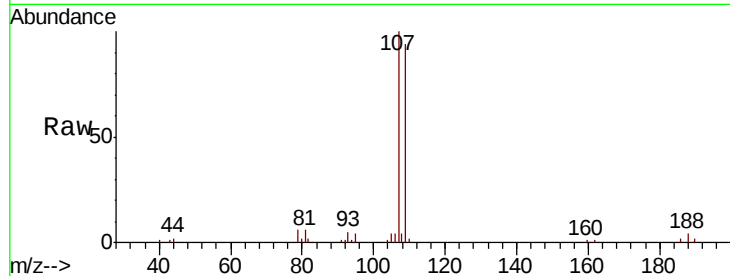




#61
 1,2-Dibromoethane
 Concen: 19.656 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN056598.D
 Acq: 3 Jul 2019 20:34

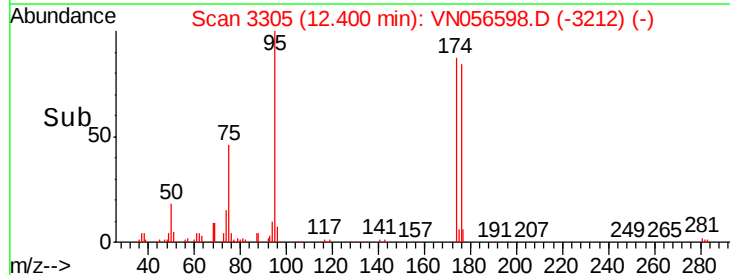
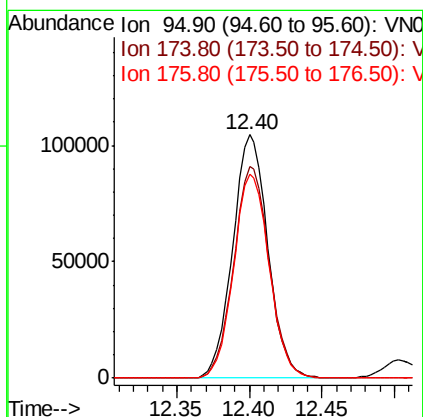
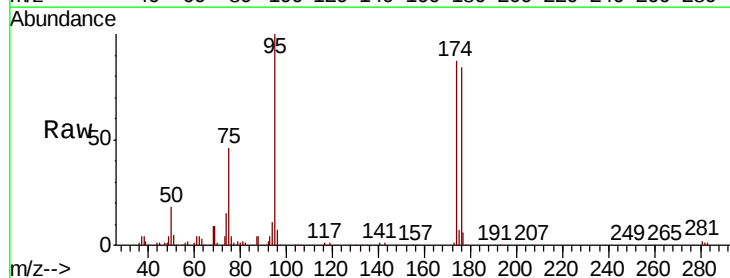
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0704WBSD01

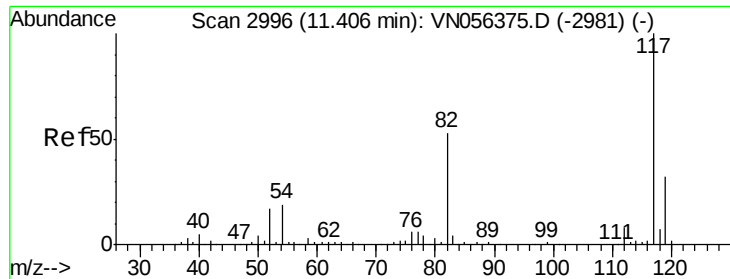
Tot Ion:107 Resp: 58271
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.3 112.9



#62
 4-Bromofluorobenzene
 Concen: 49.790 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056598.D
 Acq: 3 Jul 2019 20:34

Tgt Ion: 95 Resp: 175763
 Ion Ratio Lower Upper
 95 100
 174 88.1 0.0 179.4
 176 84.8 0.0 173.4

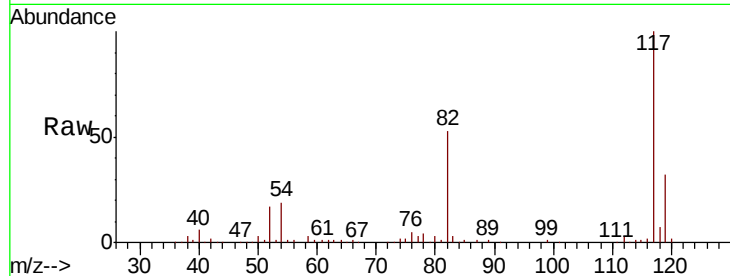




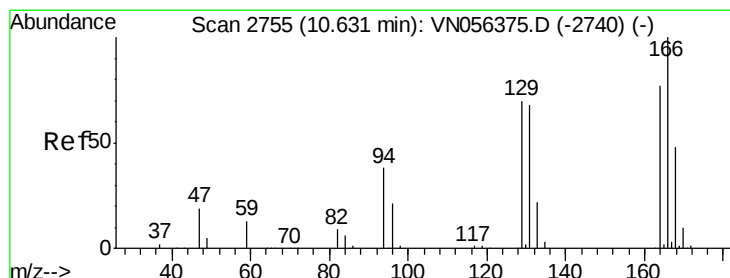
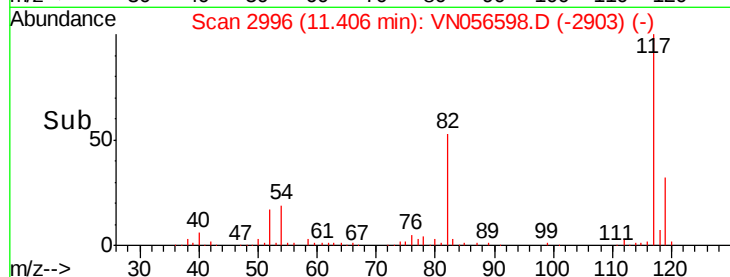
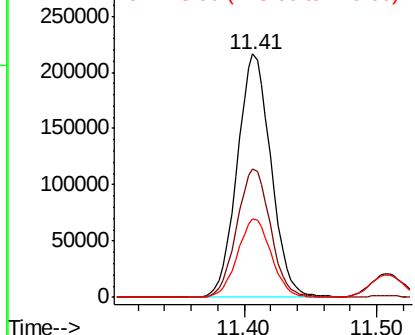
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056598.D
Acq: 3 Jul 2019 20:34

Instrument :
MSVOA_N
ClientSampleId :
VN0704WBSD01

Tot Ion:117 Resp: 382099
Ion Ratio Lower Upper
117 100
82 52.6 42.0 63.0
119 32.0 25.3 37.9

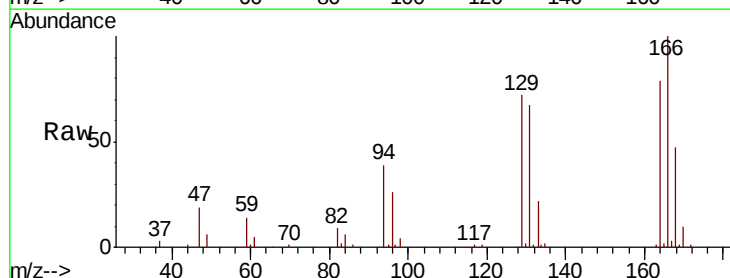


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

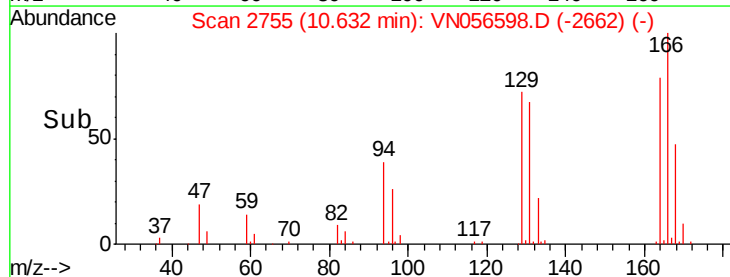
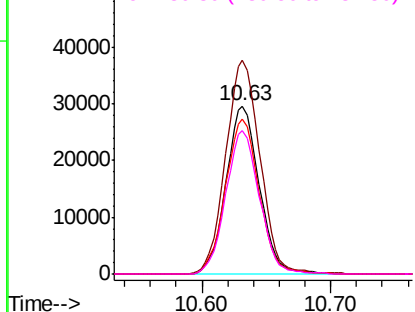


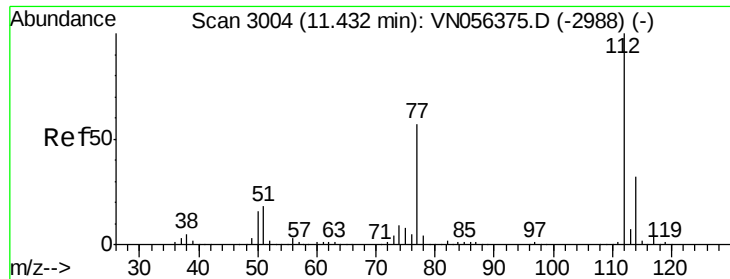
#64
Tetrachloroethene
Concen: 17.472 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056598.D
Acq: 3 Jul 2019 20:34

Tgt Ion:164 Resp: 52869
Ion Ratio Lower Upper
164 100
166 127.2 103.4 155.0
129 92.0 72.0 108.0
131 85.4 70.2 105.2



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





#65

Chlorobenzene

Concen: 19.087 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

Instrument :

MSVOA_N

ClientSampleId :

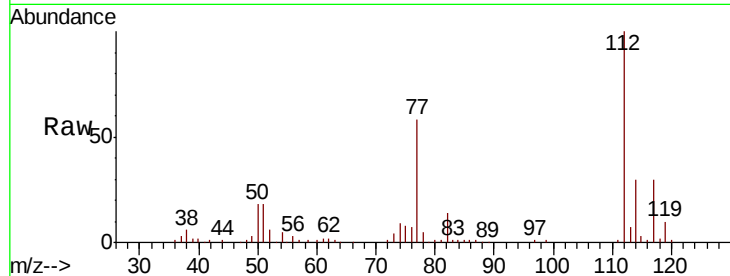
VN0704WBSD01

Tot Ion:112 Resp: 146544

Ion Ratio Lower Upper

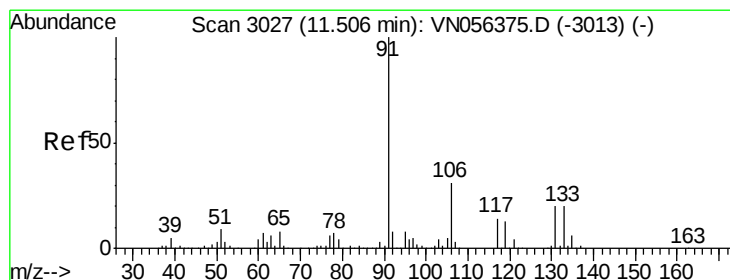
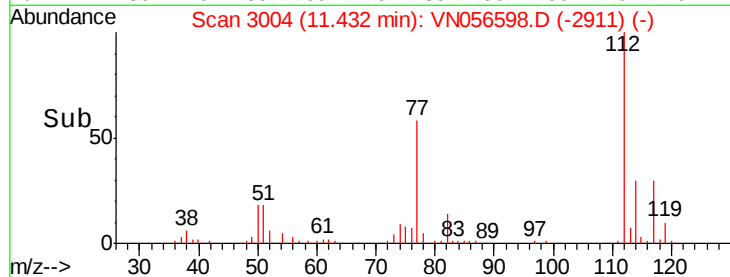
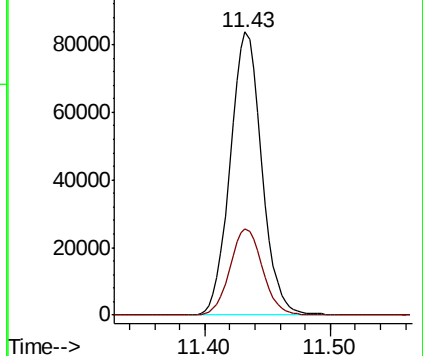
112 100

114 30.5 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.464 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

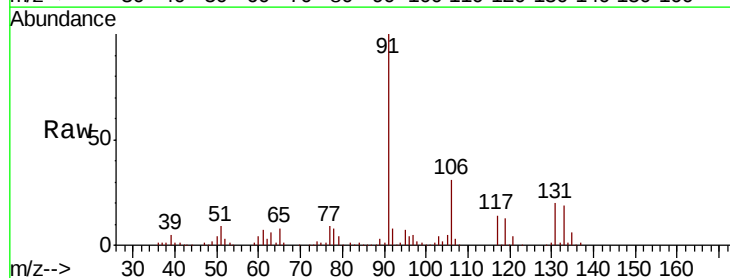
Tgt Ion:131 Resp: 53103

Ion Ratio Lower Upper

131 100

133 93.8 47.4 142.2

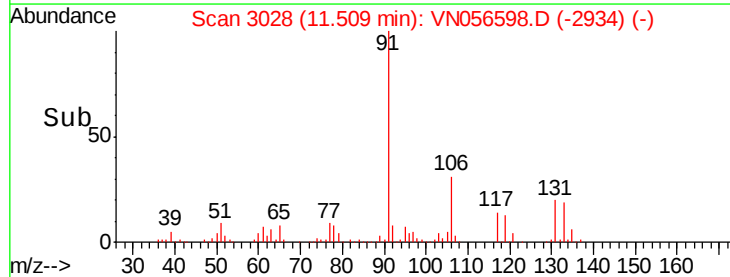
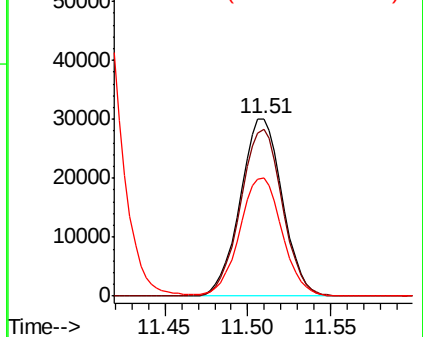
119 67.4 32.8 98.4

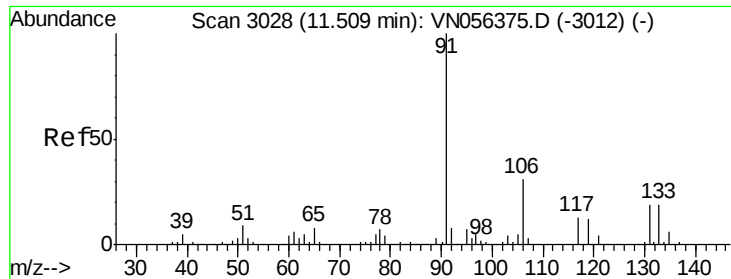


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

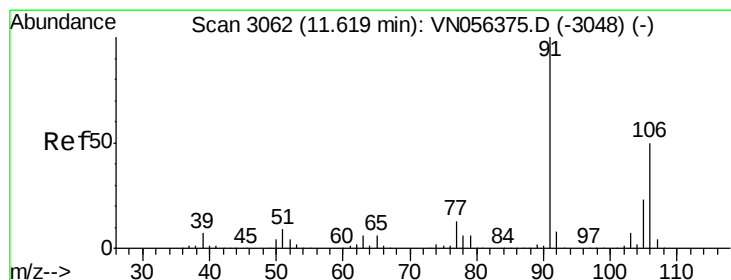
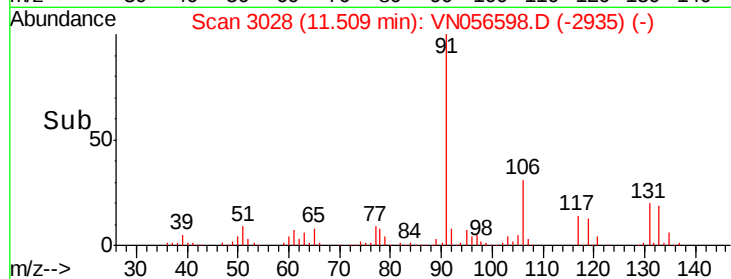
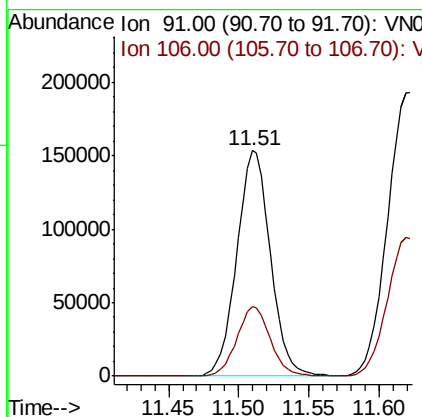
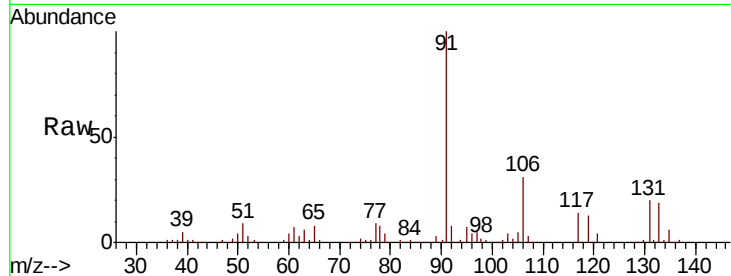




#67
Ethyl Benzene
Concen: 19.028 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056598.D
Acq: 3 Jul 2019 20:34

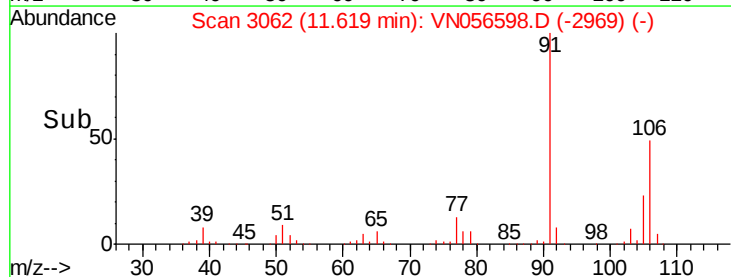
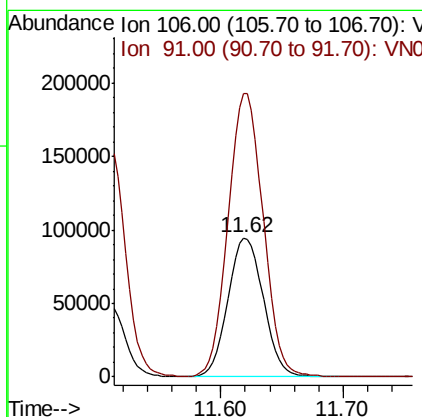
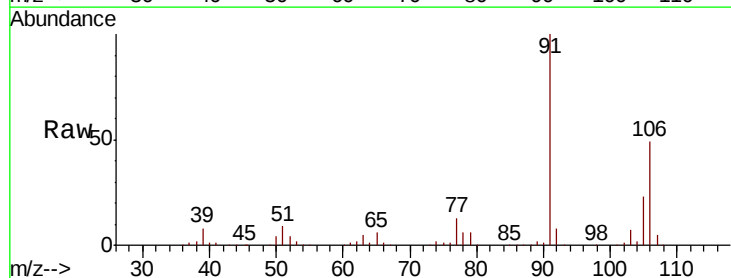
Instrument :
MSVOA_N
ClientSampled :
VN0704WBSD01

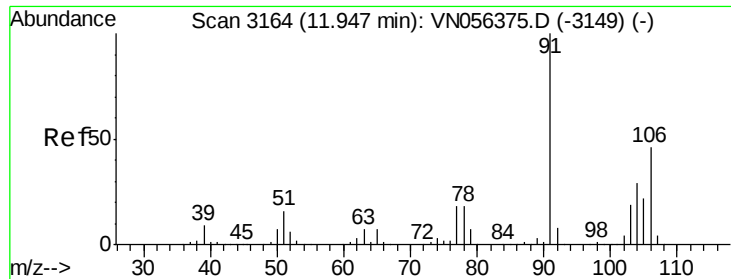
Tot Ion: 91 Resp: 256515
Ion Ratio Lower Upper
91 100
106 30.7 25.1 37.7



#68
m/p-Xylenes
Concen: 38.775 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056598.D
Acq: 3 Jul 2019 20:34

Tgt Ion: 106 Resp: 191569
Ion Ratio Lower Upper
106 100
91 201.7 160.1 240.1

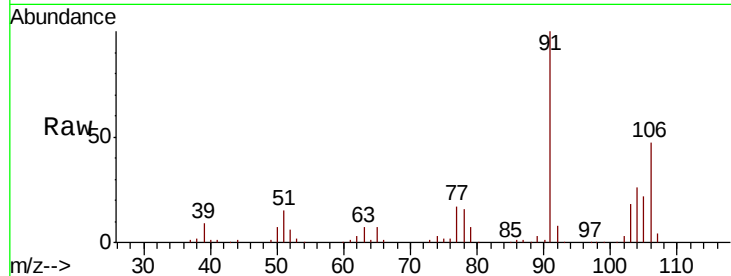




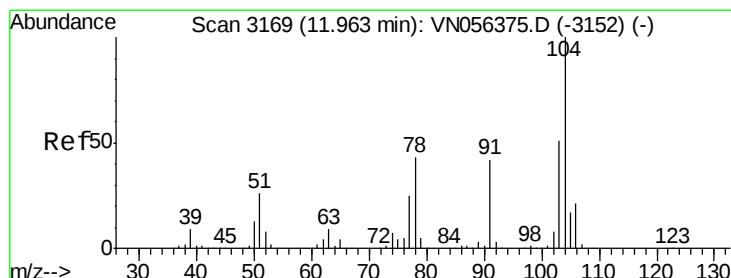
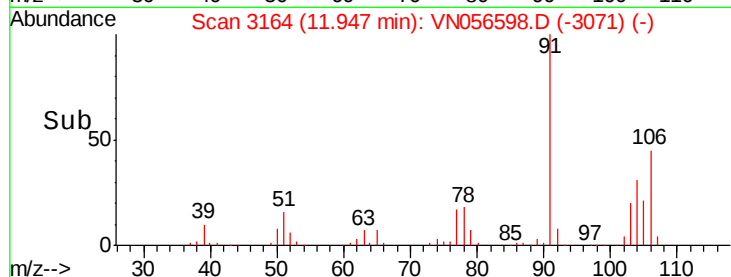
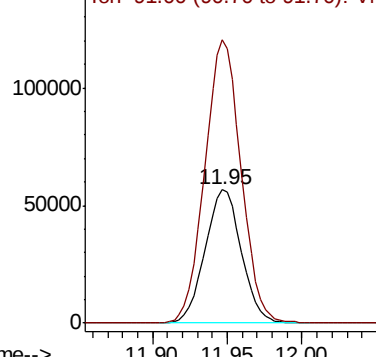
#69
o-Xylene
Concen: 19.590 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056598.D
Acq: 3 Jul 2019 20:34

Instrument :
MSVOA_N
ClientSampled :
VN0704WBSD01

Tot Ion:106 Resp: 95752
Ion Ratio Lower Upper
106 100
91 211.8 107.1 321.3

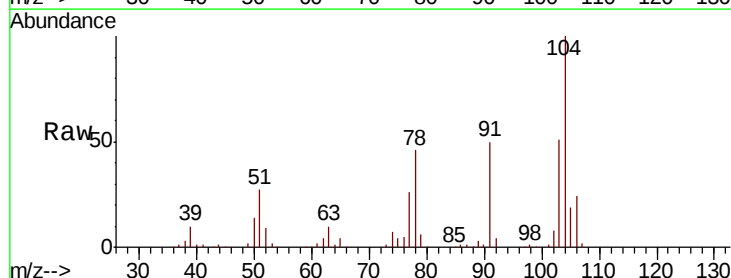


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

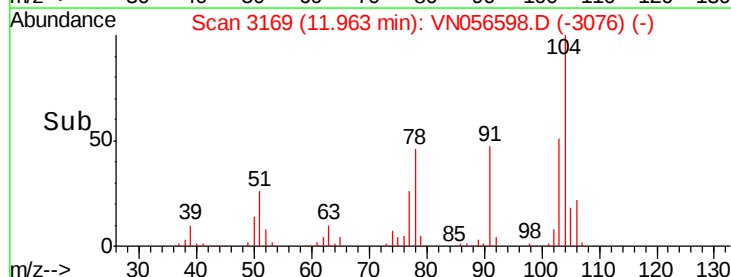
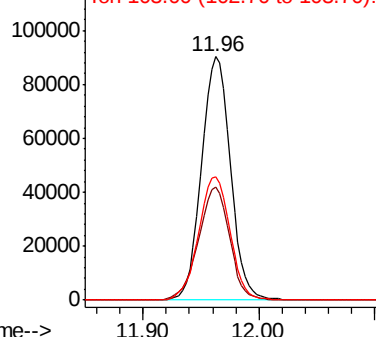


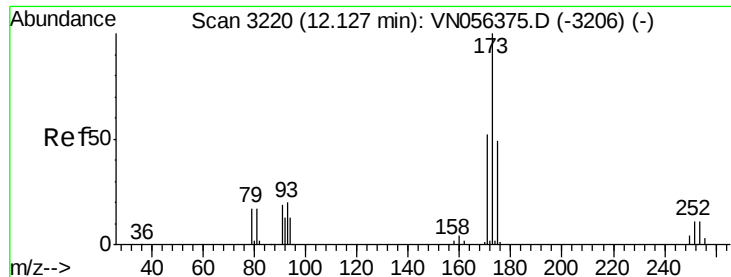
#70
Styrene
Concen: 19.895 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056598.D
Acq: 3 Jul 2019 20:34

Tgt Ion:104 Resp: 155433
Ion Ratio Lower Upper
104 100
78 50.1 38.6 57.8
103 55.2 43.9 65.9



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: 19.330 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

Instrument :

MSVOA_N

ClientSampleId :

VN0704WBSD01

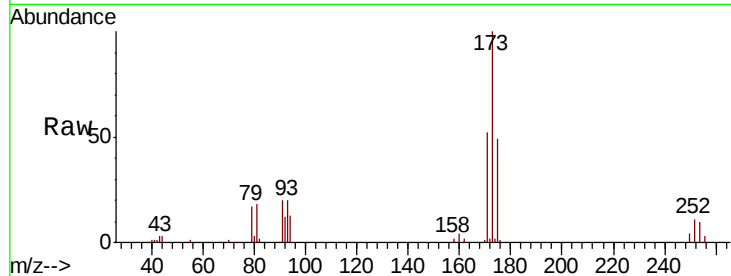
Tot Ion:173 Resp: 36159

Ion Ratio Lower Upper

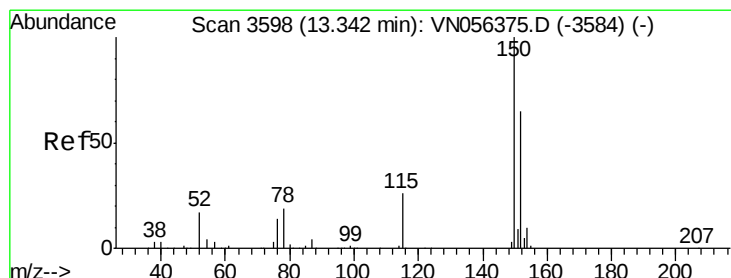
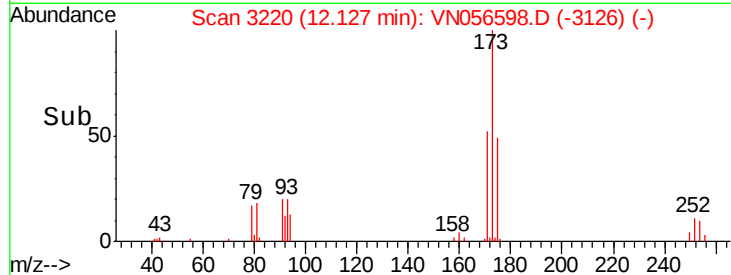
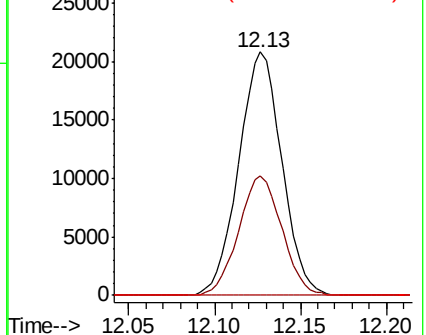
173 100

175 49.0 24.4 73.4

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: VN056598.D

Acq: 3 Jul 2019 20:34

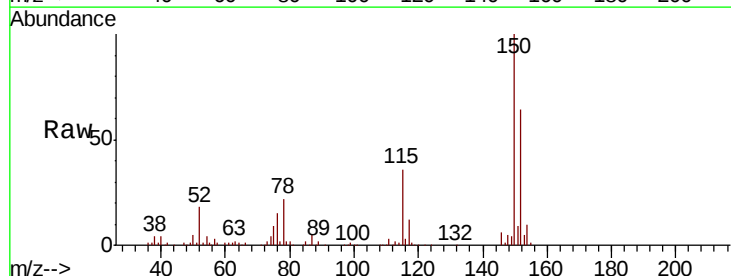
Tgt Ion:152 Resp: 165391

Ion Ratio Lower Upper

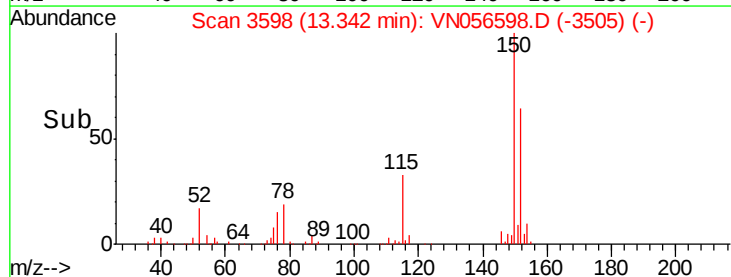
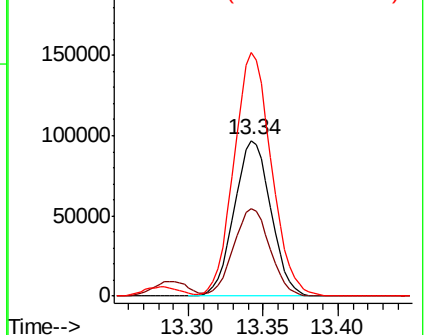
152 100

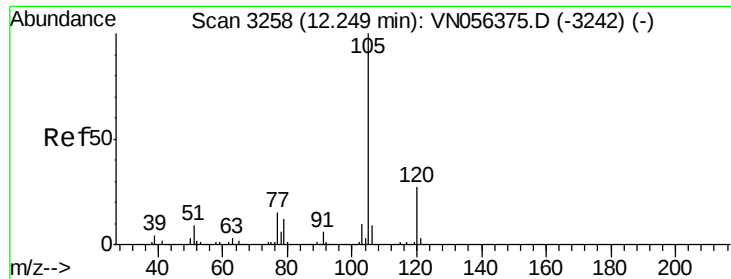
115 55.9 28.1 84.4

150 160.0 0.0 348.4



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: 18.586 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

Instrument :

MSVOA_N

ClientSampleId :

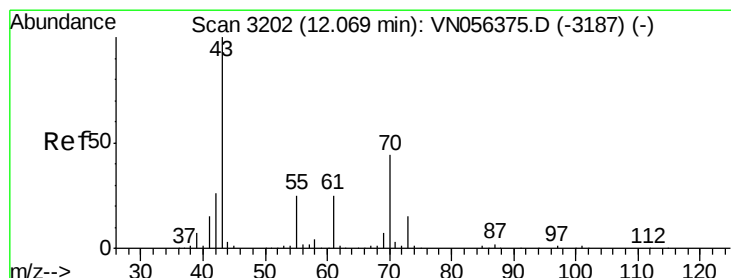
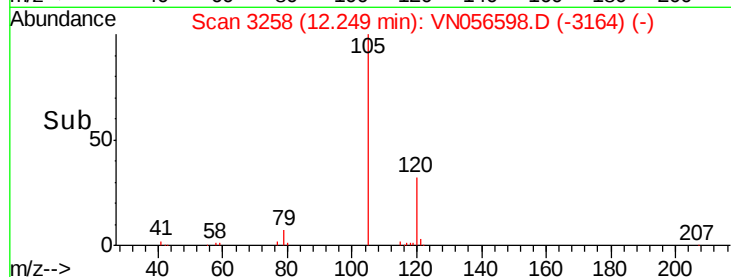
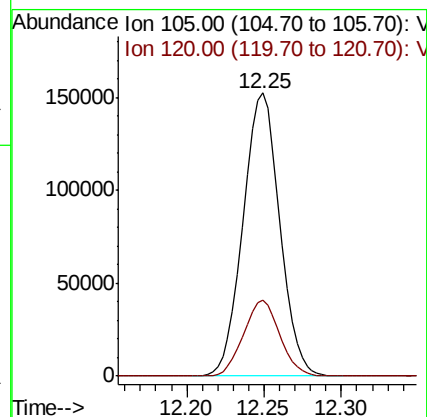
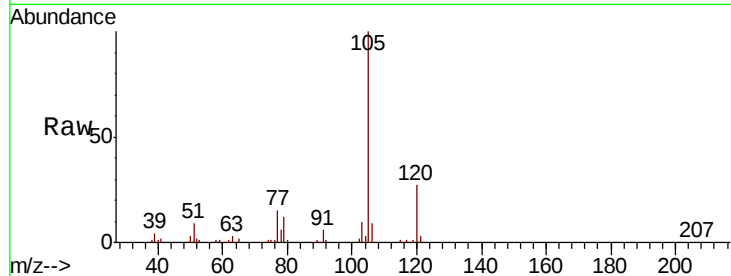
VN0704WBSD01

Tot Ion:105 Resp: 251865

Ion Ratio Lower Upper

105 100

120 26.4 13.4 40.2



#74

N-ethyl acetate

Concen: 18.859 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

Tgt Ion: 43 Resp: 99271

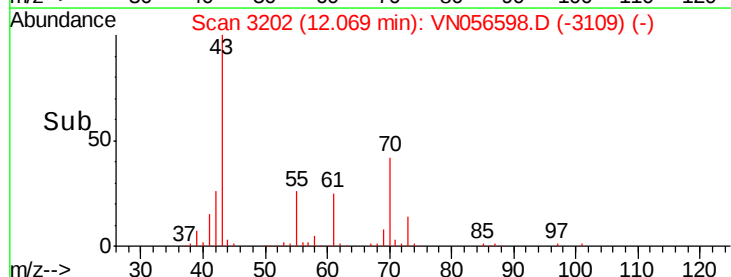
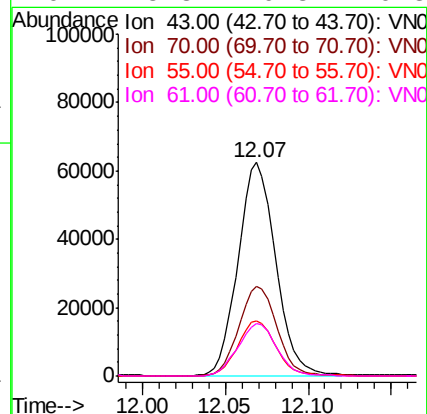
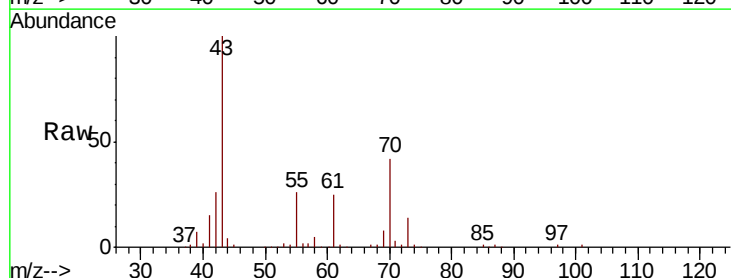
Ion Ratio Lower Upper

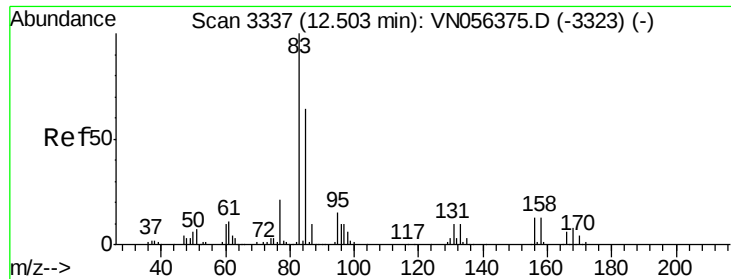
43 100

70 42.6 34.9 52.3

55 26.1 20.4 30.6

61 25.3 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.491 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

Instrument :

MSVOA_N

ClientSampleId :

VN0704WBSD01

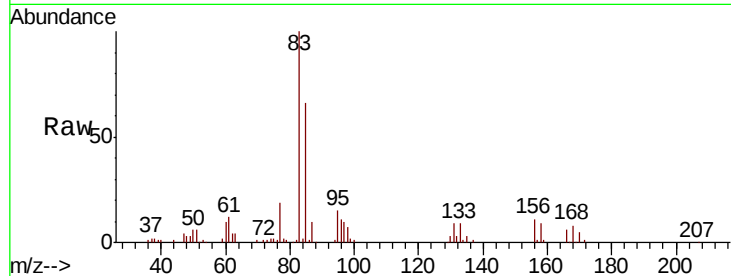
Tot Ion: 83 Resp: 85784

Ion Ratio Lower Upper

83 100

131 10.3 5.3 15.8

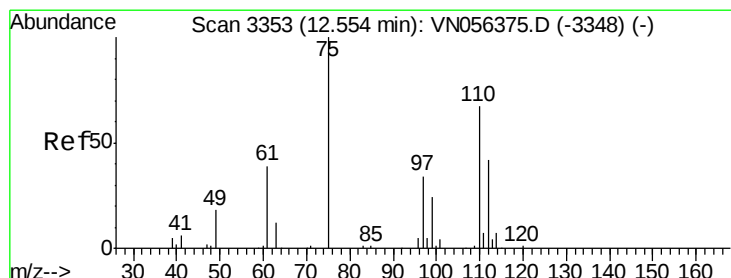
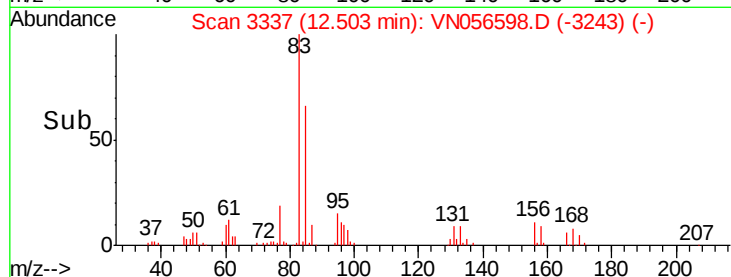
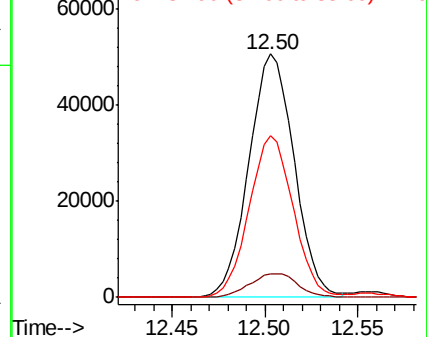
85 64.9 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 28.251 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056598.D

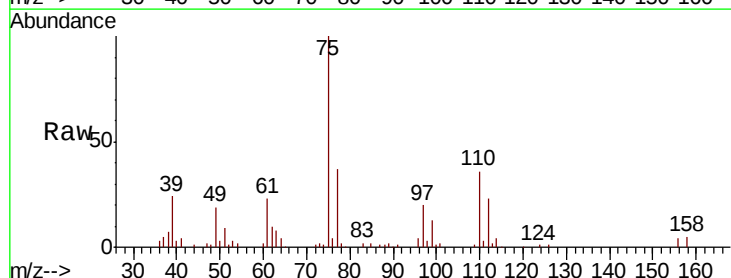
Acq: 3 Jul 2019 20:34

Tgt Ion: 75 Resp: 96883

Ion Ratio Lower Upper

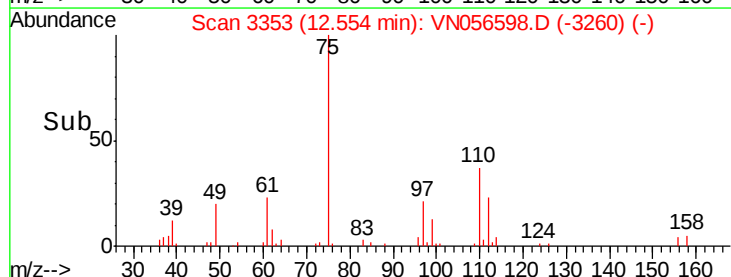
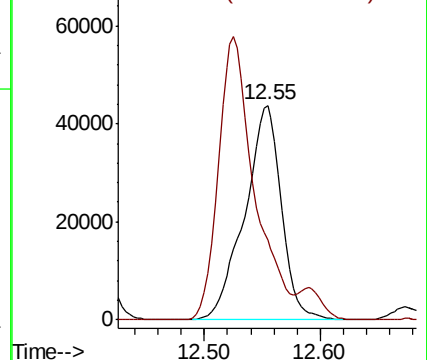
75 100

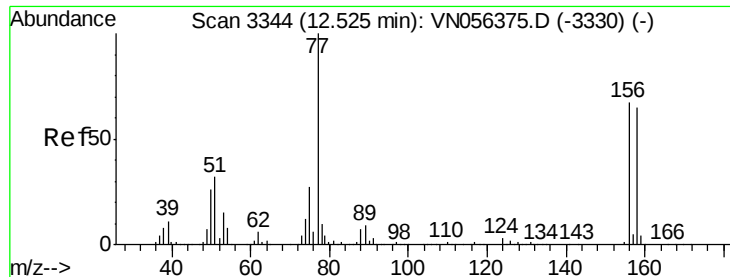
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 17.460 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

Instrument :

MSVOA_N

ClientSampleId :

VN0704WBSD01

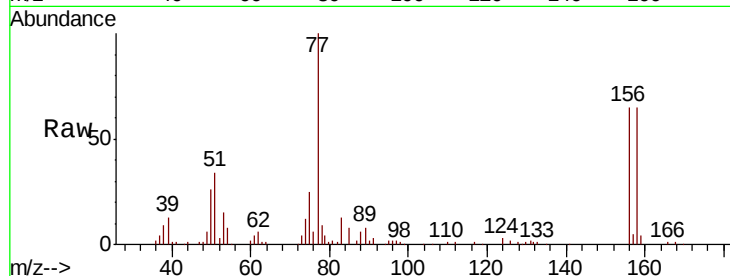
Tot Ion:156 Resp: 64571

Ion Ratio Lower Upper

156 100

77 194.1 92.5 277.3

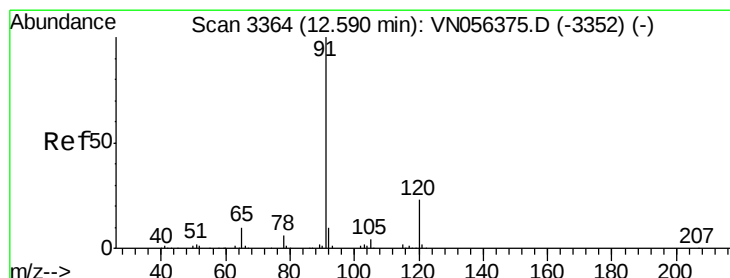
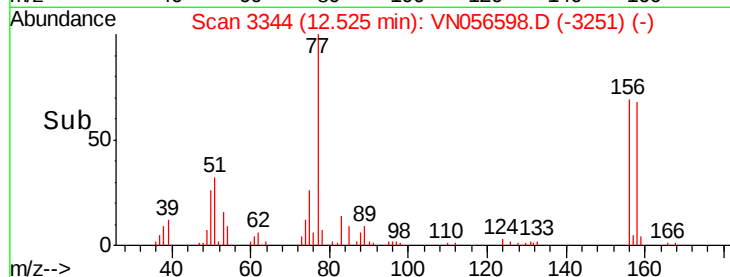
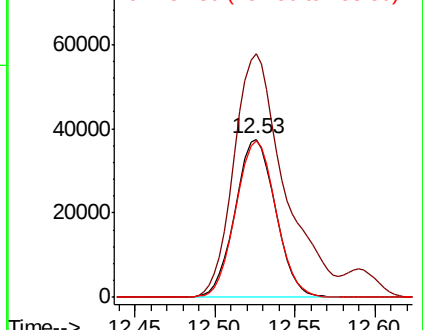
158 98.7 48.7 146.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.053 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056598.D

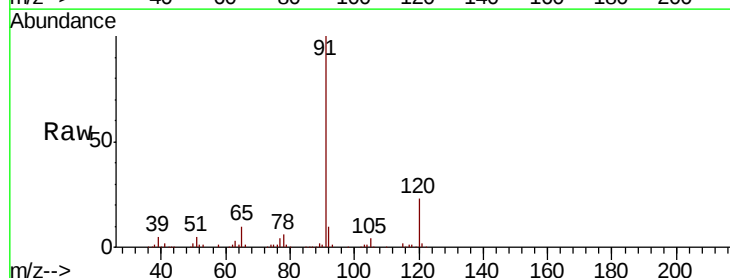
Acq: 3 Jul 2019 20:34

Tgt Ion: 91 Resp: 273433

Ion Ratio Lower Upper

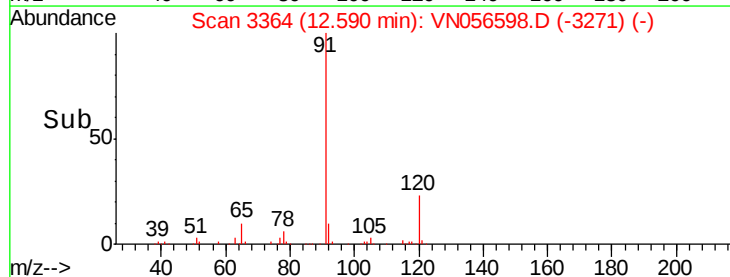
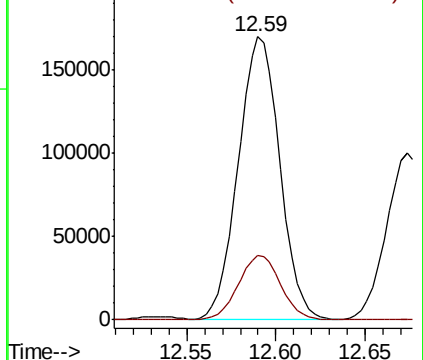
91 100

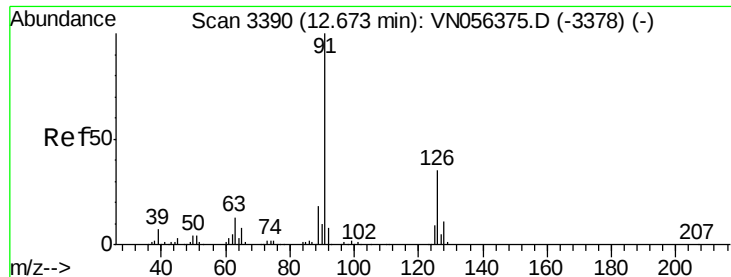
120 23.1 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.686 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

Instrument :

MSVOA_N

ClientSampled :

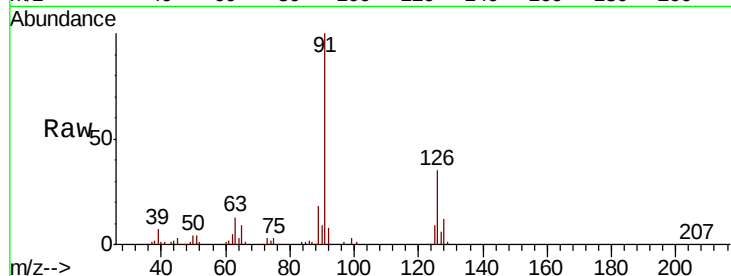
VN0704WBSD01

Tot Ion: 91 Resp: 168347

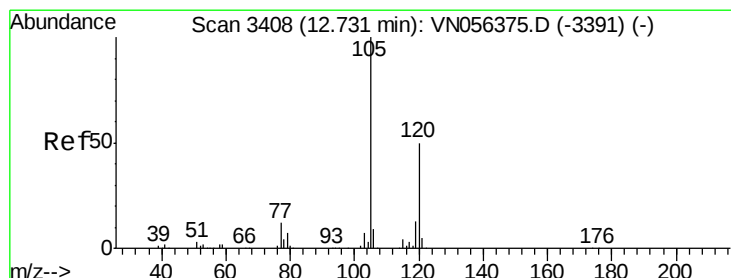
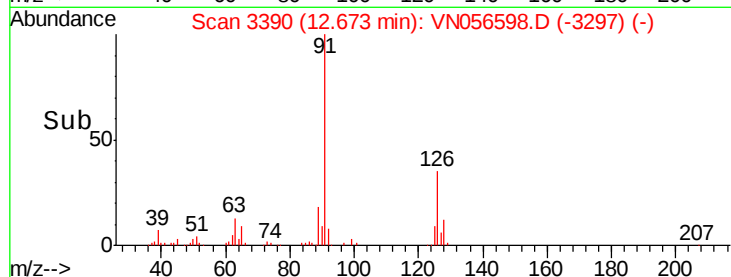
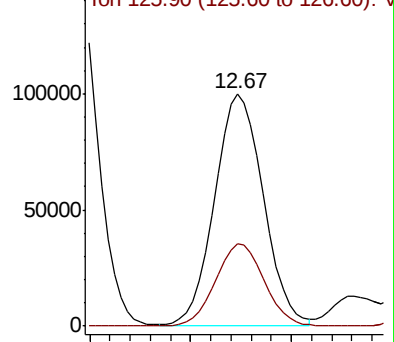
Ion Ratio Lower Upper

91 100

126 35.5 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN056375.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.588 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056598.D

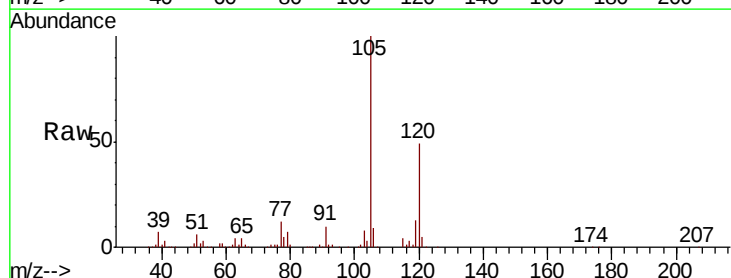
Acq: 3 Jul 2019 20:34

Tgt Ion: 105 Resp: 208249

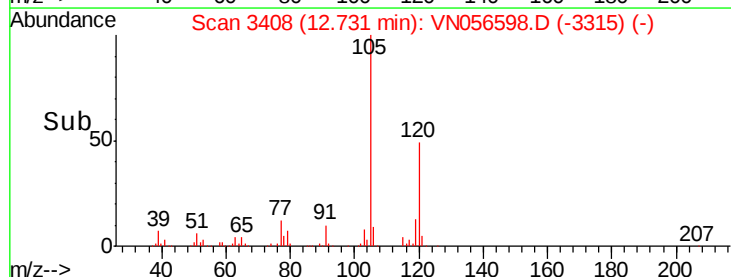
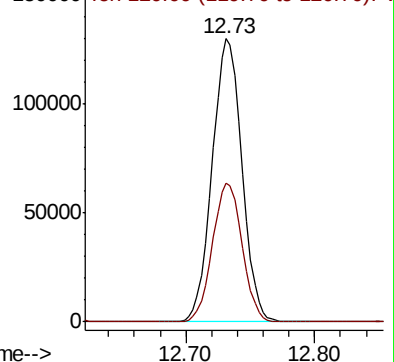
Ion Ratio Lower Upper

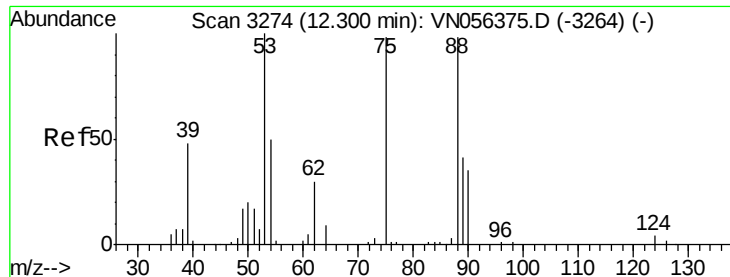
105 100

120 49.0 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VN056375.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.479 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

Instrument :

MSVOA_N

ClientSampleId :

VN0704WBSD01

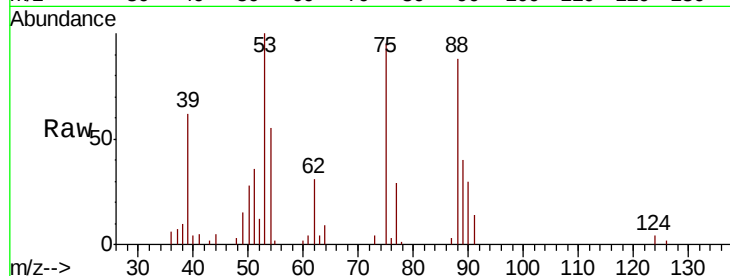
Tot Ion: 75 Resp: 18795

Ion Ratio Lower Upper

75 100

53 111.4 83.9 125.9

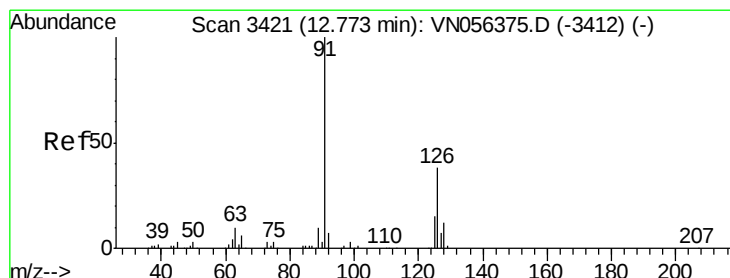
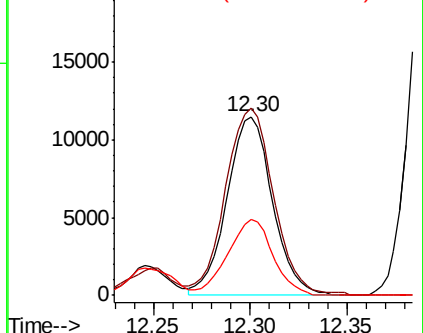
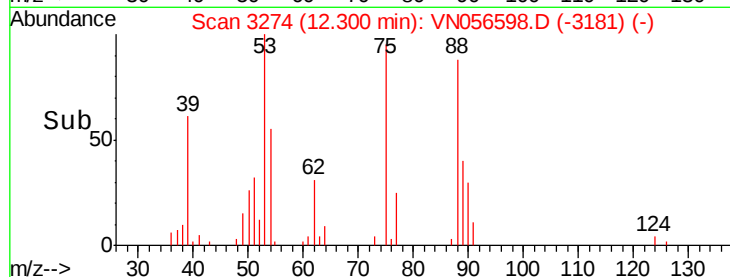
89 42.3 35.0 52.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 18.257 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056598.D

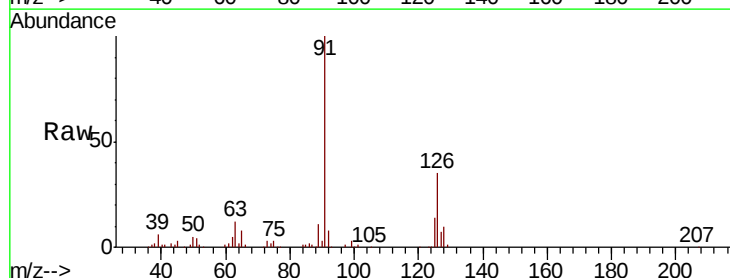
Acq: 3 Jul 2019 20:34

Tgt Ion: 91 Resp: 163265

Ion Ratio Lower Upper

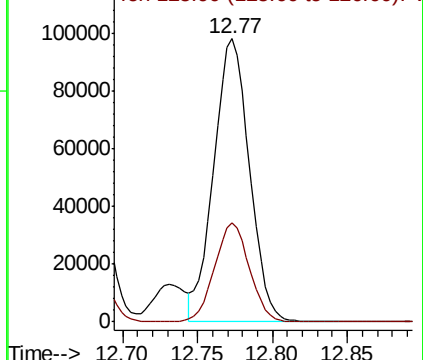
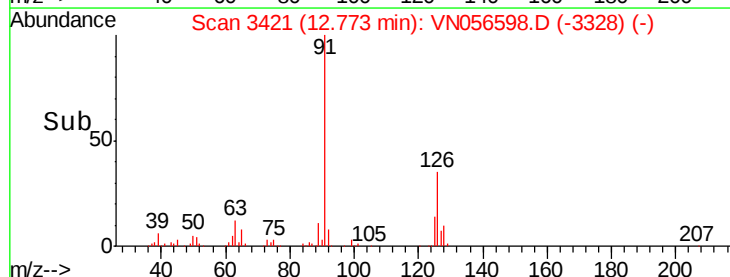
91 100

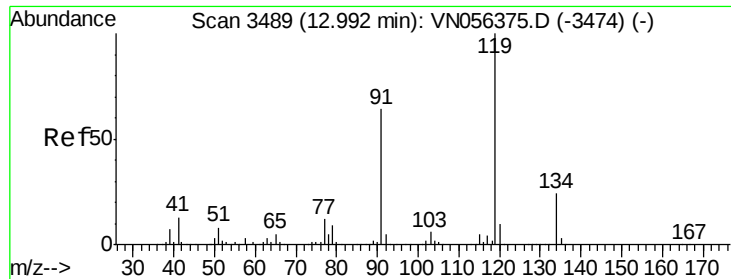
126 34.2 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

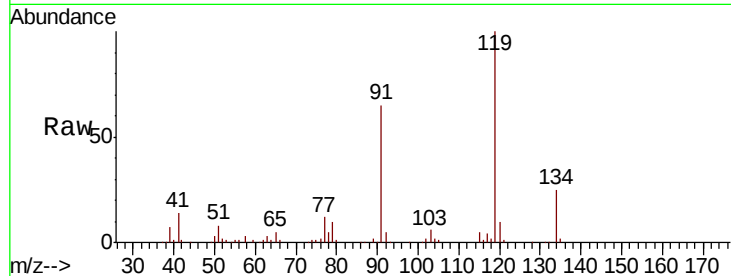




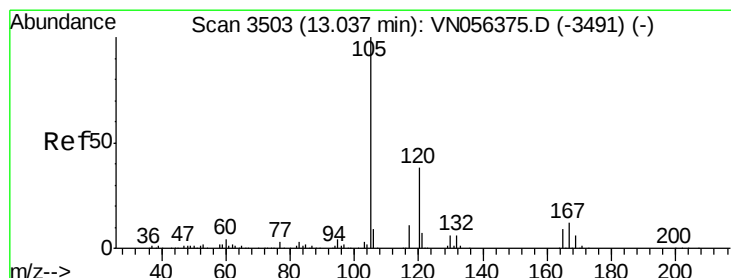
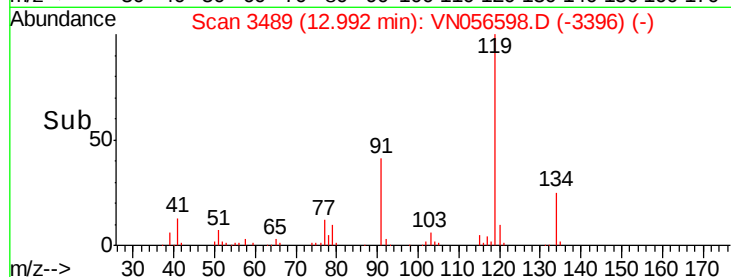
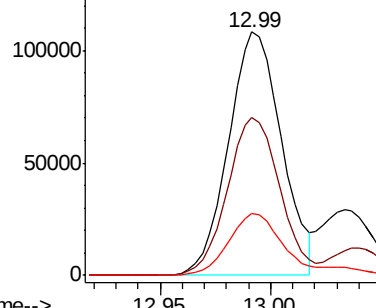
#83
tert-Butylbenzene
Concen: 18.158 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056598.D
Acq: 3 Jul 2019 20:34

Instrument :
MSVOA_N
ClientSampled :
VN0704WBSD01

Tot Ion:119 Resp: 180630
Ion Ratio Lower Upper
119 100
91 64.1 31.6 94.7
134 25.6 13.2 39.5

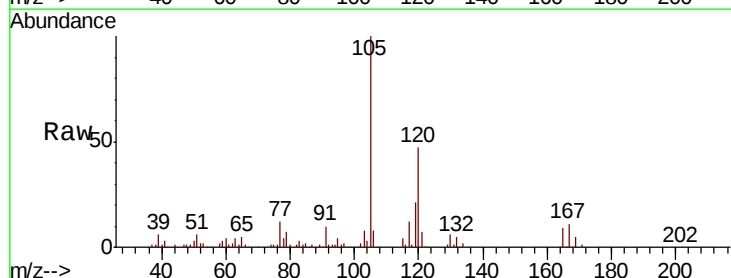


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

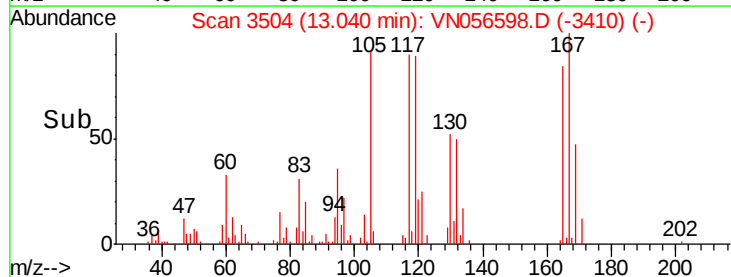
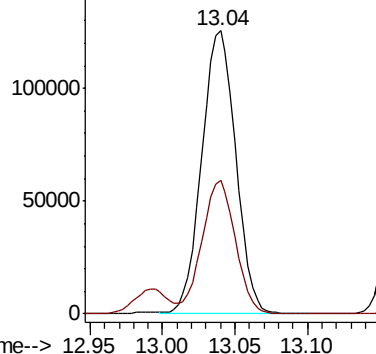


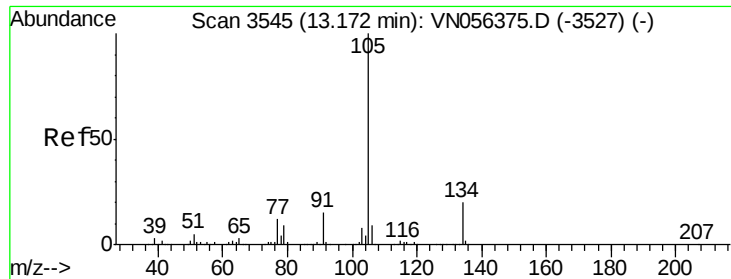
#84
1,2,4-Trimethylbenzene
Concen: 18.271 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056598.D
Acq: 3 Jul 2019 20:34

Tgt Ion:105 Resp: 203432
Ion Ratio Lower Upper
105 100
120 46.4 22.9 68.8



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





#85

sec-Butylbenzene

Concen: 17.641 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

Instrument :

MSVOA_N

ClientSampleId :

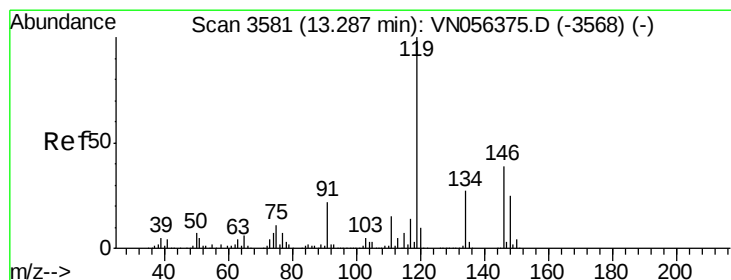
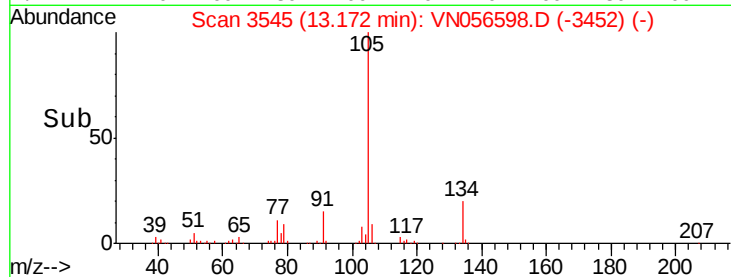
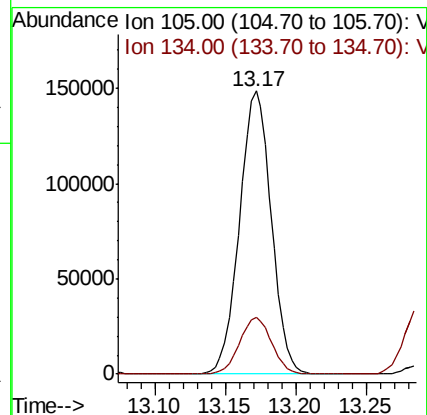
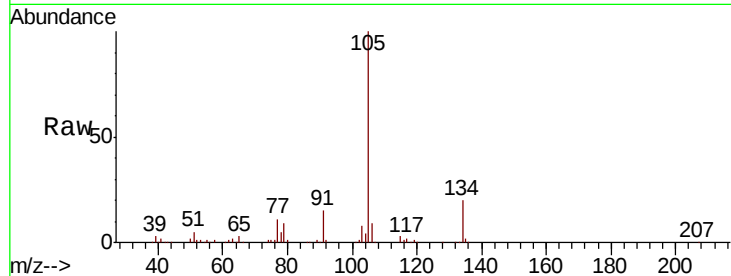
VN0704WBSD01

Tot Ion:105 Resp: 234839

Ion Ratio Lower Upper

105 100

134 20.2 10.2 30.4



#86

p-Isopropyltoluene

Concen: 18.548 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

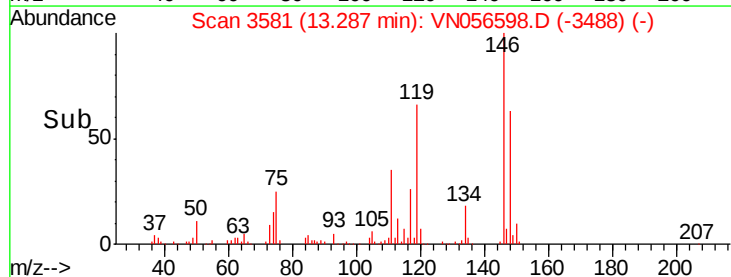
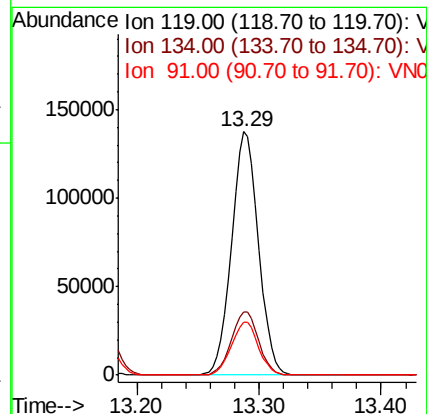
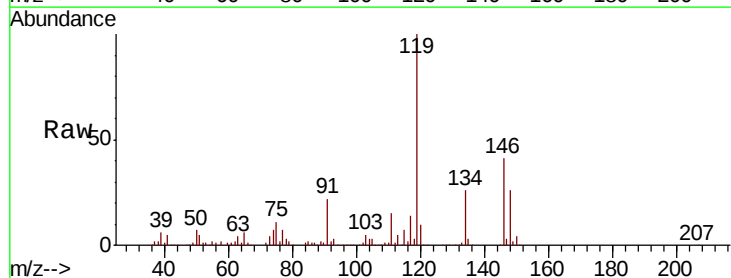
Tgt Ion:119 Resp: 211901

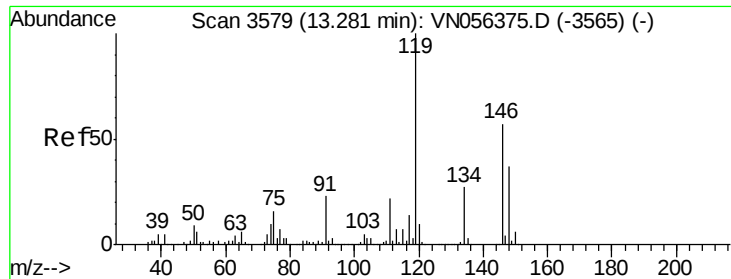
Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.4

91 22.1 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 18.545 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

Instrument :

MSVOA_N

ClientSampleId :

VN0704WBSD01

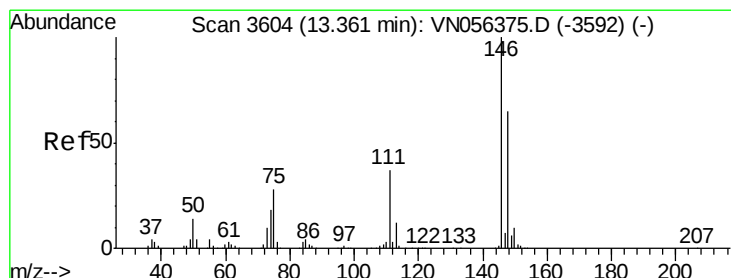
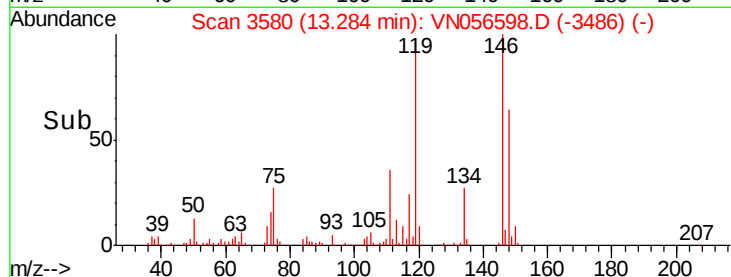
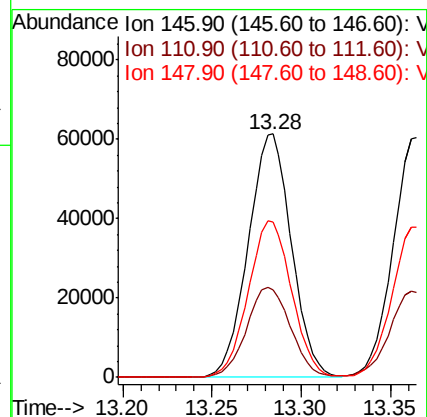
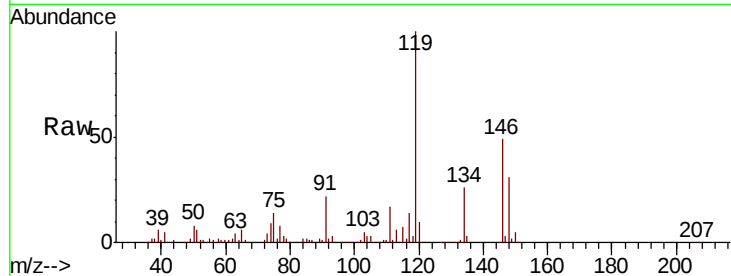
Tot Ion:146 Resp: 103933

Ion Ratio Lower Upper

146 100

111 37.7 18.9 56.9

148 64.5 32.1 96.5



#88

1,4-Dichlorobenzene

Concen: 18.576 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

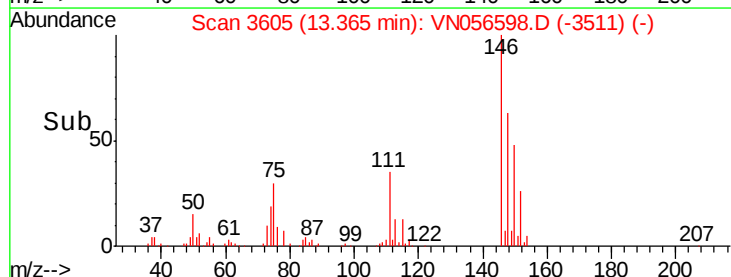
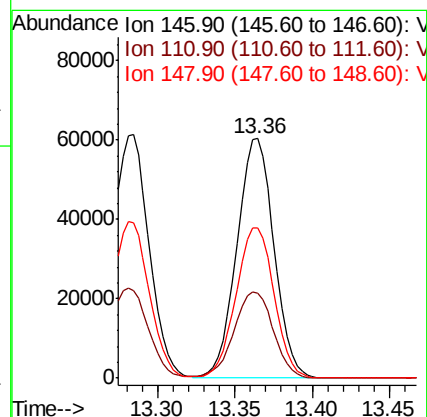
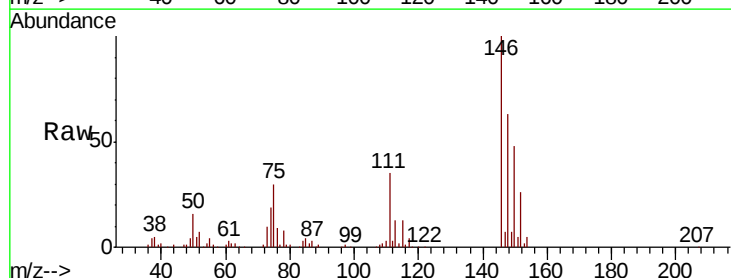
Tgt Ion:146 Resp: 100824

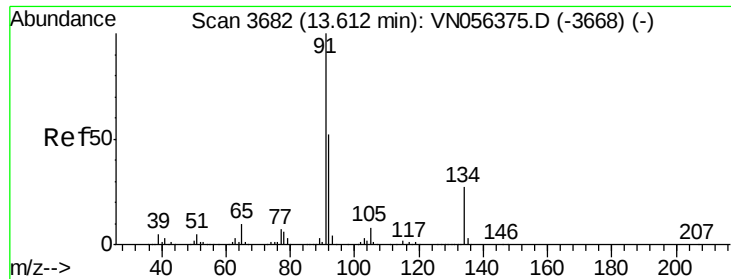
Ion Ratio Lower Upper

146 100

111 38.1 18.4 55.4

148 64.4 32.4 97.0





#89

n-Butylbenzene

Concen: 18.884 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

Instrument :

MSVOA_N

ClientSampled :

VN0704WBSD01

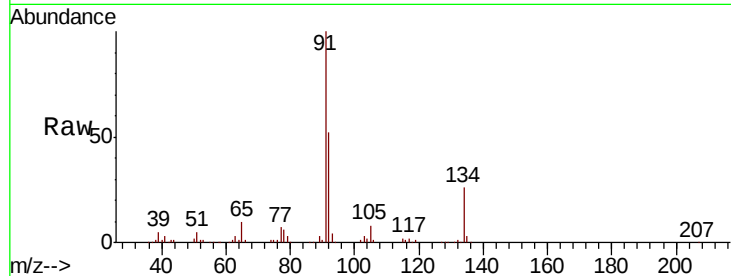
Tot Ion: 91 Resp: 163323

Ion Ratio Lower Upper

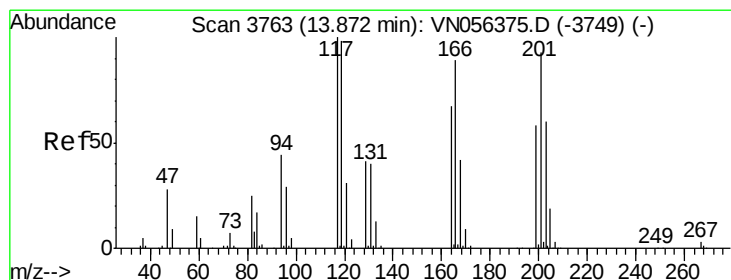
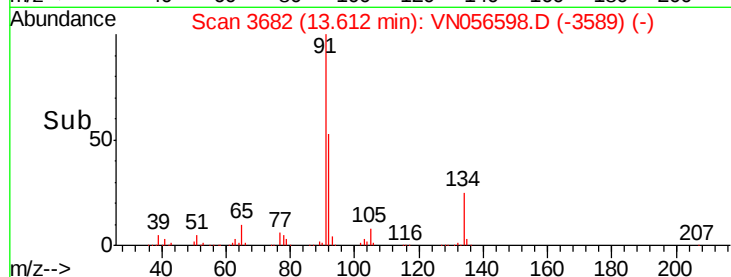
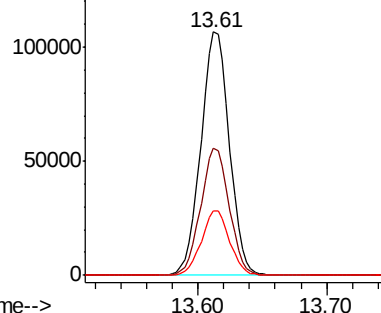
91 100

92 52.1 26.2 78.5

134 26.2 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VN056375.D (-3668) (-)



#90

Hexachloroethane

Concen: 16.542 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056598.D

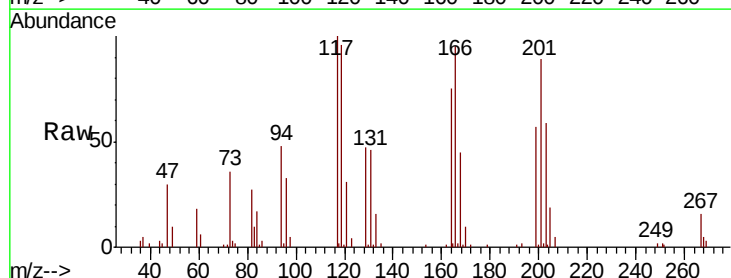
Acq: 3 Jul 2019 20:34

Tgt Ion: 117 Resp: 29463

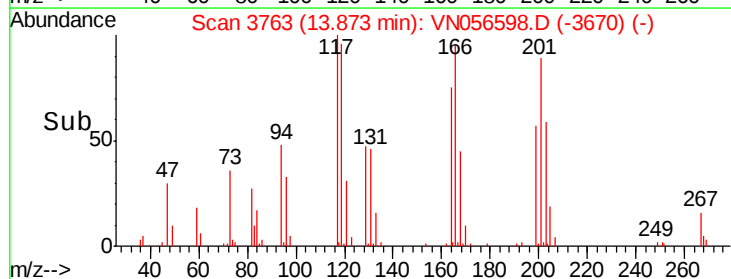
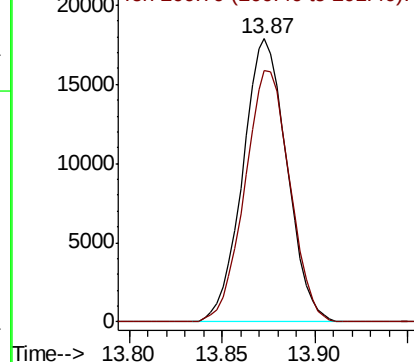
Ion Ratio Lower Upper

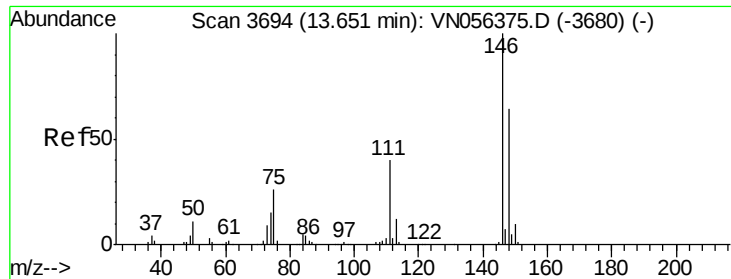
117 100

201 90.1 45.9 137.6



Abundance Ion 116.80 (116.50 to 117.50): VN056375.D (-3749) (-)

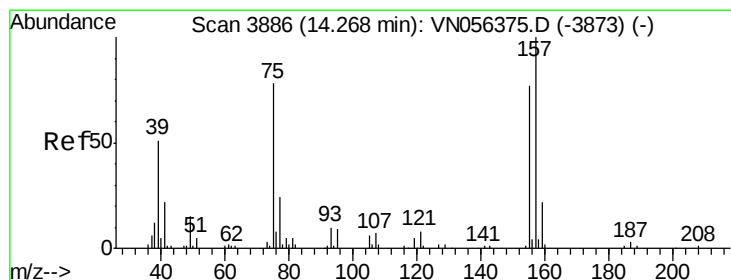
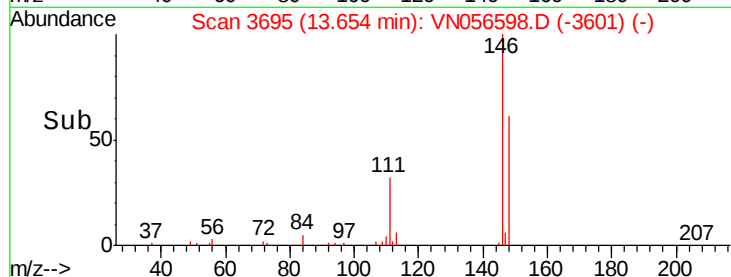
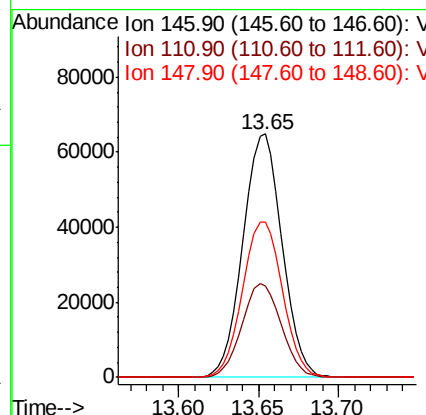
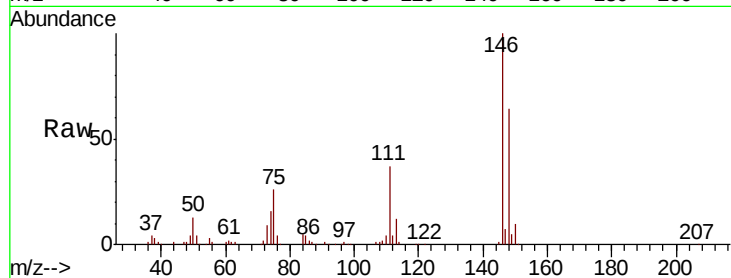




#91
 1,2-Dichlorobenzene
 Concen: 19.461 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN056598.D
 Acq: 3 Jul 2019 20:34

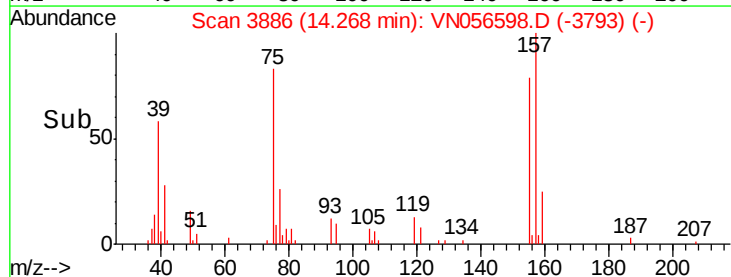
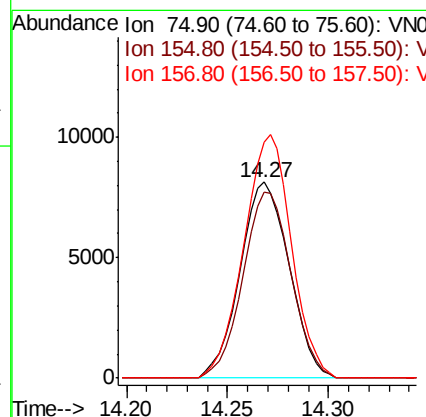
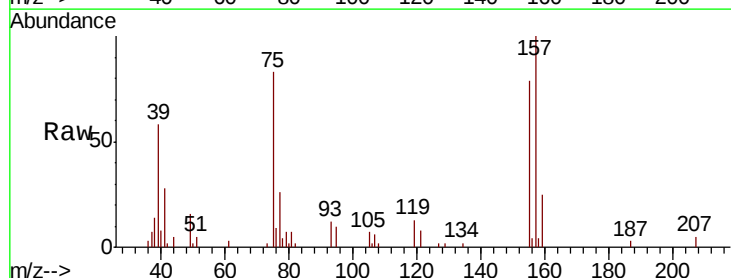
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0704WBSD01

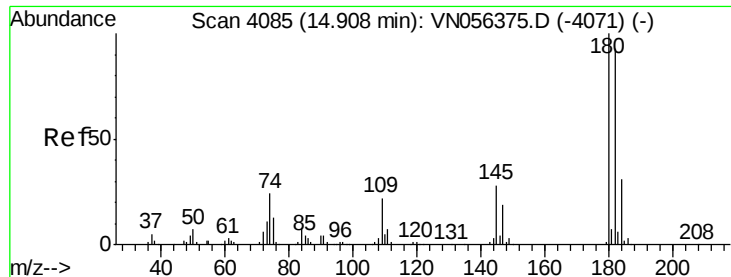
Tot Ion:146 Resp: 108208
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.3 57.9
 148 65.0 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.702 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056598.D
 Acq: 3 Jul 2019 20:34

Tgt Ion: 75 Resp: 13893
 Ion Ratio Lower Upper
 75 100
 155 92.9 48.9 146.8
 157 120.4 62.9 188.8

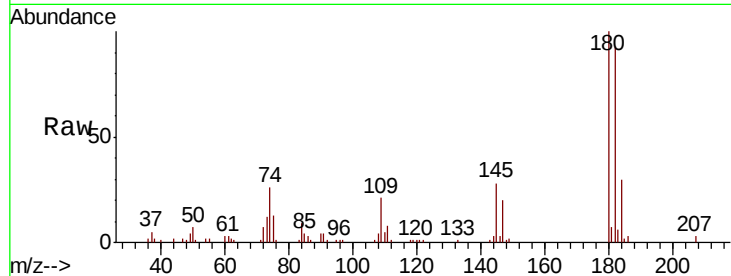




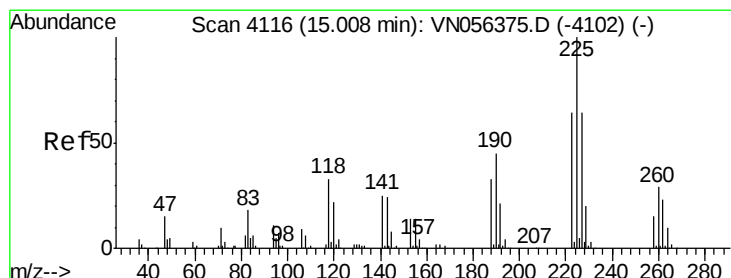
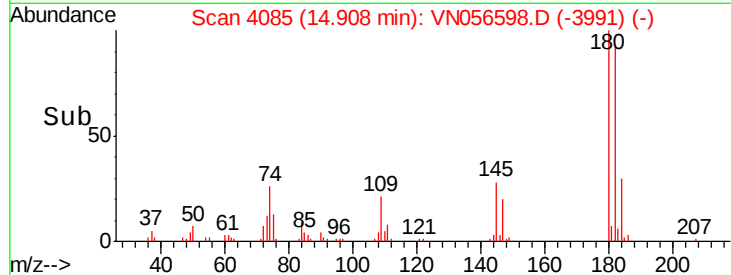
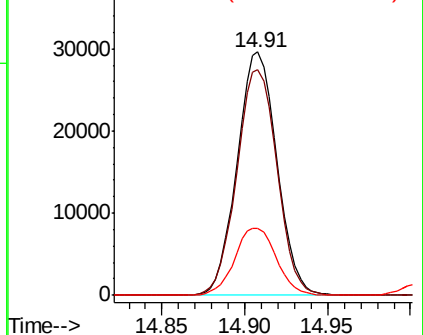
#93
1,2,4-Trichlorobenzene
Concen: 20.785 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN056598.D
Acq: 3 Jul 2019 20:34

Instrument :
MSVOA_N
ClientSampleId :
VN0704WBSD01

Tot Ion:180 Resp: 49484
Ion Ratio Lower Upper
180 100
182 94.1 46.9 140.6
145 29.0 14.4 43.0

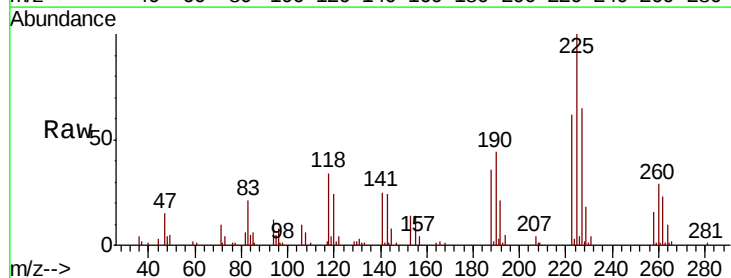


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

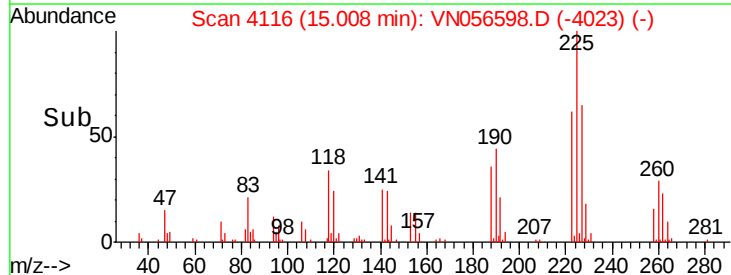
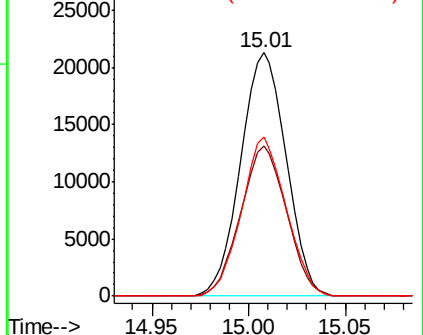


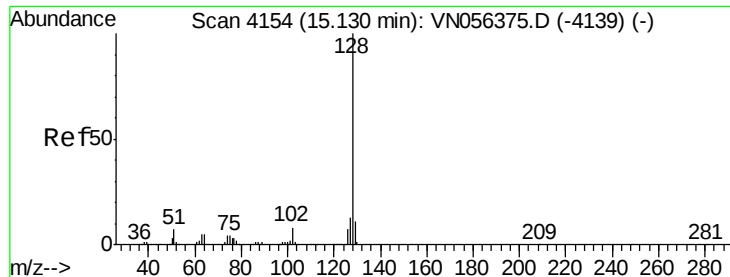
#94
Hexachlorobutadiene
Concen: 17.261 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN056598.D
Acq: 3 Jul 2019 20:34

Tgt Ion:225 Resp: 34843
Ion Ratio Lower Upper
225 100
223 62.1 31.4 94.3
227 63.9 32.1 96.3



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





#95

Naphthalene

Concen: 22.024 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

Instrument :

MSVOA_N

ClientSampleId :

VN0704WBSD01

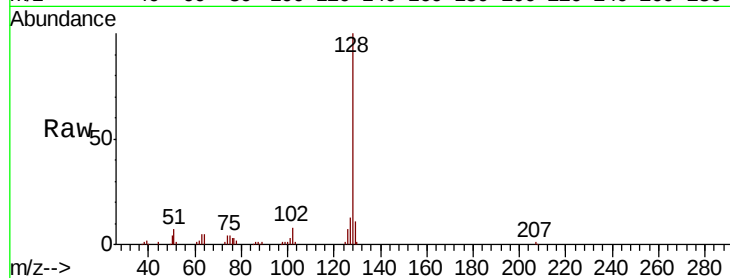
Tot Ion:128 Resp: 141859

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.2

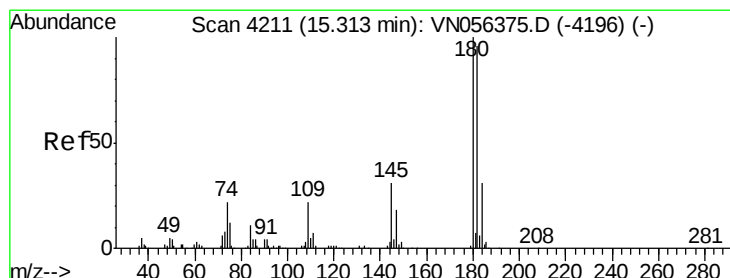
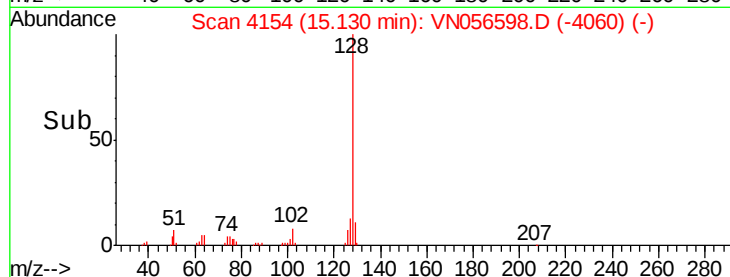
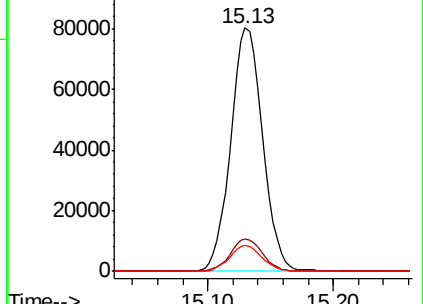
129 10.7 8.6 12.8



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: 20.928 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056598.D

Acq: 3 Jul 2019 20:34

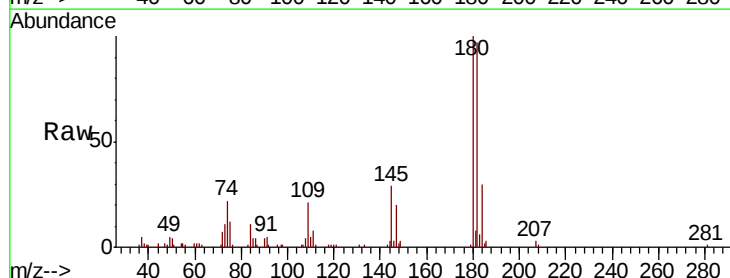
Tgt Ion:180 Resp: 54204

Ion Ratio Lower Upper

180 100

182 98.3 48.3 144.8

145 30.1 15.4 46.1



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

