

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102519\
 Data File : VN058961.D
 Acq On : 24 Oct 2019 15:12
 Operator : JC/SP
 Sample : VN1025WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD02

Quant Time: Oct 25 01:24:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	332642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	538019	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	501984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	233788	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	249579	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
35) Dibromofluoromethane	7.57	113	177833	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
50) Toluene-d8	10.08	98	680648	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
62) 4-Bromofluorobenzene	12.40	95	243670	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	80527	19.416	ug/l	98
3) Chloromethane	2.04	50	94565	18.410	ug/l	99
4) Vinyl Chloride	2.17	62	97968	19.209	ug/l	97
5) Bromomethane	2.55	94	58114	18.196	ug/l	99
6) Chloroethane	2.69	64	63553	19.432	ug/l	100
7) Trichlorofluoromethane	3.00	101	123305	19.540	ug/l	99
8) Diethyl Ether	3.39	74	43254	19.835	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	68766	19.656	ug/l	98
10) Methyl Iodide	3.93	142	75425	16.393	ug/l	99
11) Tert butyl alcohol	4.75	59	75794	93.619	ug/l	99
12) 1,1-Dichloroethene	3.72	96	64170	19.569	ug/l	96
13) Acrolein	3.59	56	30542	54.904	ug/l	100
14) Allyl chloride	4.30	41	127980	19.287	ug/l	99
15) Acrylonitrile	4.96	53	206430	101.366	ug/l	99
16) Acetone	3.79	43	196803	81.635	ug/l	99
17) Carbon Disulfide	4.03	76	190783	18.061	ug/l	97
18) Methyl Acetate	4.30	43	110530	20.166	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	231928	20.198	ug/l	99
20) Methylene Chloride	4.53	84	80382	19.527	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	71698	19.798	ug/l	98
22) Diisopropyl ether	5.93	45	269666	20.777	ug/l	99
23) Vinyl Acetate	5.87	43	1102933	105.769	ug/l	100
24) 1,1-Dichloroethane	5.83	63	150144	19.950	ug/l	99
25) 2-Butanone	6.81	43	286670	91.604	ug/l	100
26) 2,2-Dichloropropane	6.81	77	119576	18.369	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	82878	20.034	ug/l	99
28) Bromochloromethane	7.17	49	52068	20.774	ug/l	100
29) Tetrahydrofuran	7.19	42	192056	100.323	ug/l	99
30) Chloroform	7.35	83	146449	19.399	ug/l	99
31) Cyclohexane	7.64	56	132710	18.928	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	124947	19.636	ug/l	99
36) 1,1-Dichloropropene	7.77	75	105577	19.167	ug/l	99
37) Ethyl Acetate	6.90	43	120289	20.042	ug/l	98
38) Carbon Tetrachloride	7.76	117	108328	19.090	ug/l	97

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Quant Time: Oct 25 01:24:26 2019
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 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	113238	18.309	ug/l	98
40) Benzene	8.02	78	319752	19.769	ug/l	98
41) Methacrylonitrile	7.19	41	174252	65.187	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	121164	19.446	ug/l	100
43) Isopropyl Acetate	8.15	43	190103	19.750	ug/l	99
44) Trichloroethene	8.82	130	76332	19.373	ug/l	99
45) 1,2-Dichloropropane	9.11	63	88817	20.025	ug/l	99
46) Dibromomethane	9.20	93	56163	20.030	ug/l	98
47) Bromodichloromethane	9.39	83	113372	19.618	ug/l	98
48) Methyl methacrylate	9.19	41	86306	19.762	ug/l	99
49) 1,4-Dioxane	9.19	88	26305	366.926	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	597967	106.357	ug/l	99
52) Toluene	10.15	92	194824	20.311	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	125398	19.601	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	133039	19.465	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	77674	19.657	ug/l	98
56) Ethyl methacrylate	10.42	69	113694	18.508	ug/l	99
57) 1,3-Dichloropropane	10.70	76	138025	19.902	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	251293	93.289	ug/l	99
59) 2-Hexanone	10.75	43	431953	99.425	ug/l	98
60) Dibromochloromethane	10.90	129	83353	19.598	ug/l	98
61) 1,2-Dibromoethane	11.00	107	79939	19.768	ug/l	99
64) Tetrachloroethene	10.63	164	67604	19.230	ug/l	98
65) Chlorobenzene	11.43	112	202134	19.779	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	76800	19.914	ug/l	99
67) Ethyl Benzene	11.51	91	361668	20.174	ug/l	97
68) m/p-Xylenes	11.62	106	266546	40.091	ug/l	99
69) o-Xylene	11.95	106	126480	19.947	ug/l	100
70) Styrene	11.97	104	204643	18.599	ug/l	99
71) Bromoform	12.13	173	57336	19.173	ug/l #	99
73) Isopropylbenzene	12.25	105	347843	20.359	ug/l	99
74) N-amyl acetate	12.07	43	152892	19.739	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	122157	20.334	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	158335	29.222	ug/l #	100
77) Bromobenzene	12.53	156	83668	19.868	ug/l	99
78) n-propylbenzene	12.59	91	409827	20.293	ug/l	99
79) 2-Chlorotoluene	12.68	91	246102	19.910	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	293930	20.476	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	38805	18.657	ug/l	98
82) 4-Chlorotoluene	12.78	91	250084	19.798	ug/l	99
83) tert-Butylbenzene	13.00	119	253302	20.635	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	294299	20.785	ug/l	99
85) sec-Butylbenzene	13.17	105	332031	20.288	ug/l	98
86) p-Isopropyltoluene	13.29	119	293970	20.357	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	146569	19.464	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	146589	19.444	ug/l	98
89) n-Butylbenzene	13.62	91	255935	19.293	ug/l	100
90) Hexachloroethane	13.88	117	58976	20.155	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	148317	20.040	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	25080	18.457	ug/l	98

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Quant Time: Oct 25 01:24:26 2019
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Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 2019
Response via : Initial Calibration

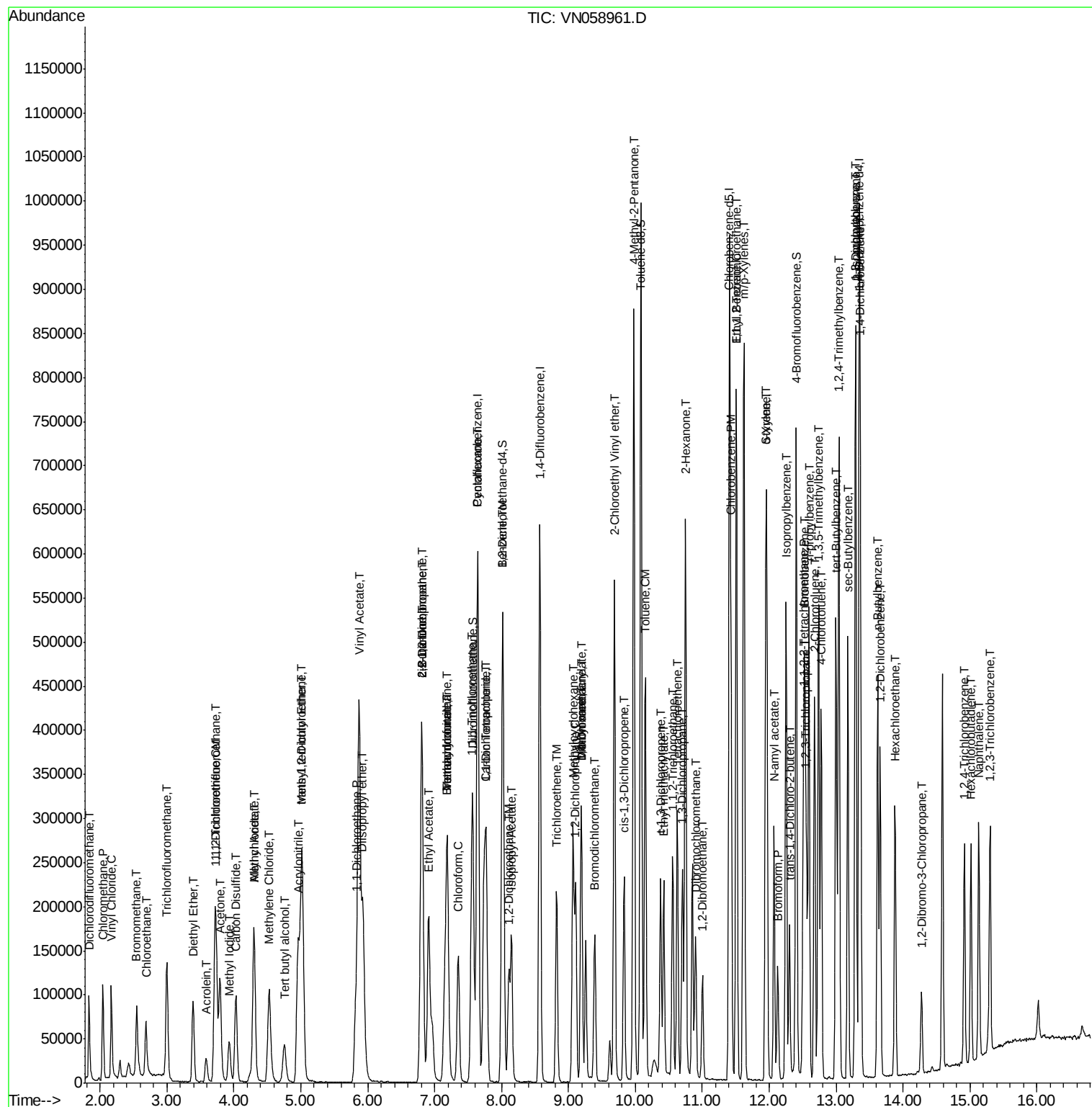
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	76932	18.200	ug/l	100
94) Hexachlorobutadiene	15.01	225	45175	18.832	ug/l	100
95) Naphthalene	15.13	128	207597	17.038	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	76601	18.474	ug/l	99

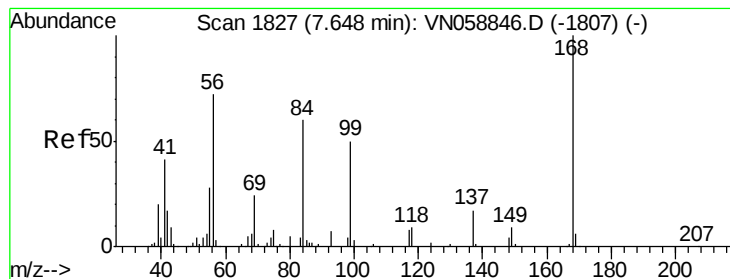
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102519\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

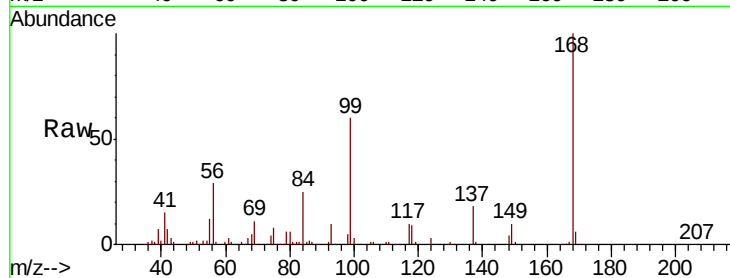
VN1025WBSD02

Tot Ion:168 Resp: 332642

Ion Ratio Lower Upper

168 100

99 59.8 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

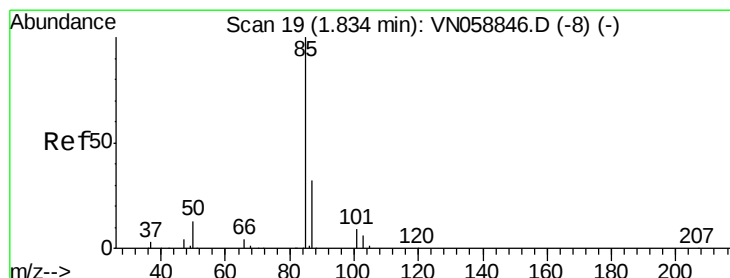
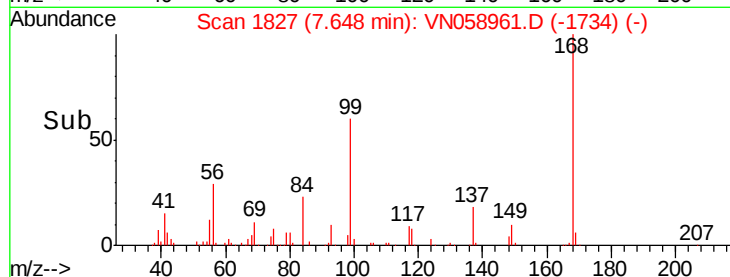
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.416 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058961.D

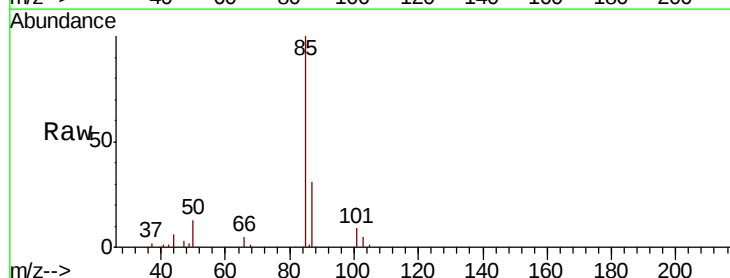
Acq: 24 Oct 2019 15:12

Tgt Ion: 85 Resp: 80527

Ion Ratio Lower Upper

85 100

87 31.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

50000

40000

30000

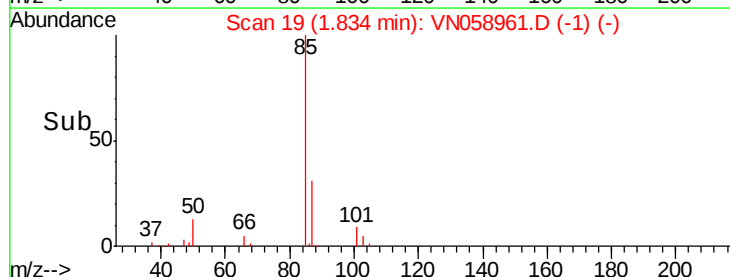
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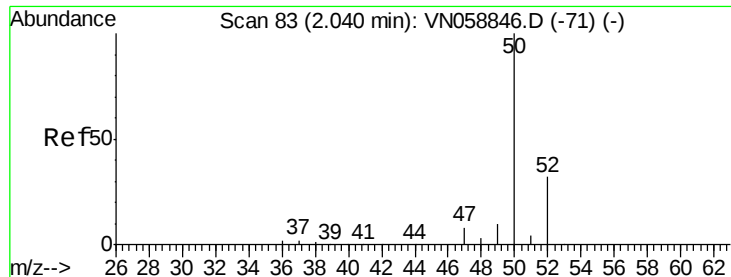
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0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.410 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

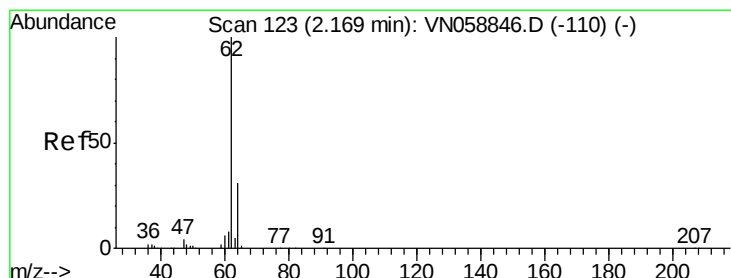
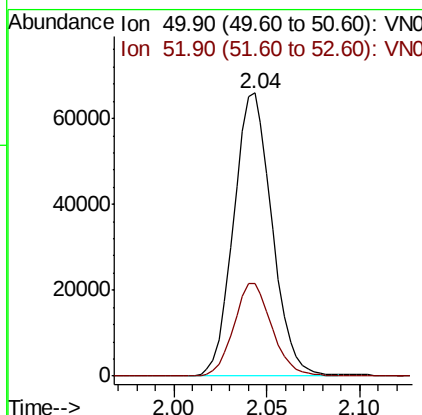
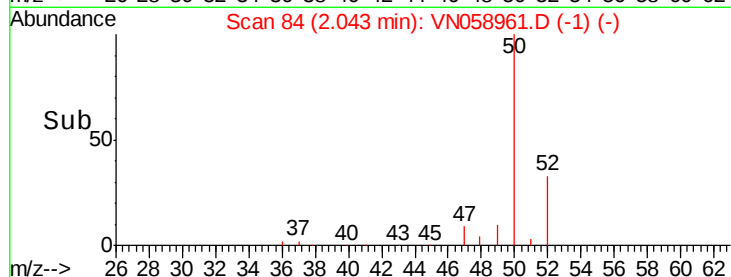
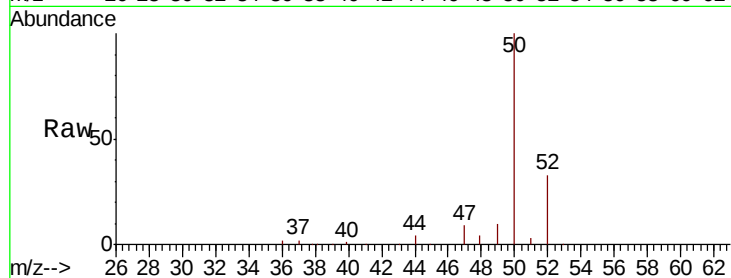
VN1025WBSD02

Tot Ion: 50 Resp: 94565

Ion Ratio Lower Upper

50 100

52 32.7 25.7 38.5



#4

Vinyl Chloride

Concen: 19.209 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058961.D

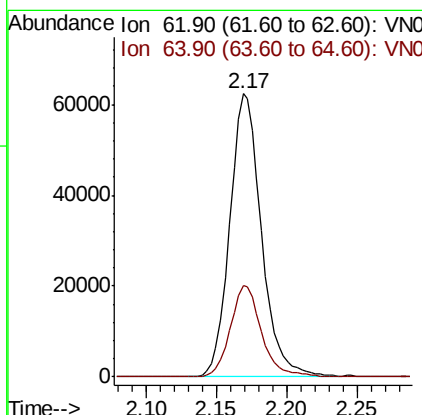
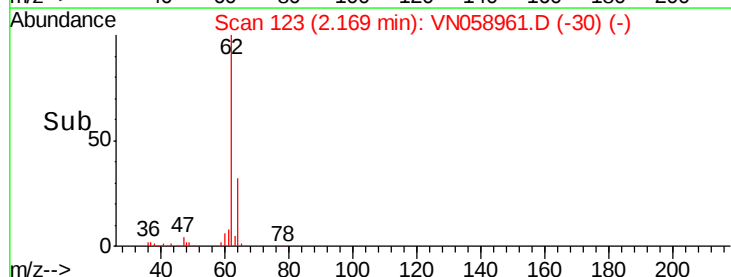
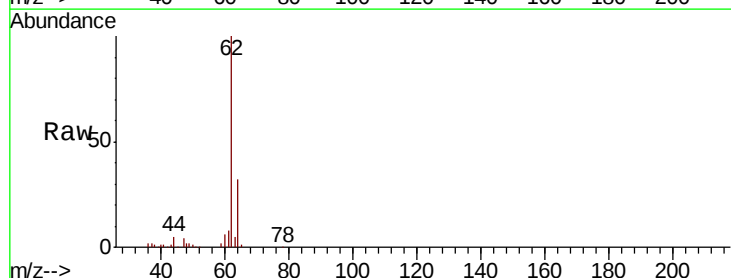
Acq: 24 Oct 2019 15:12

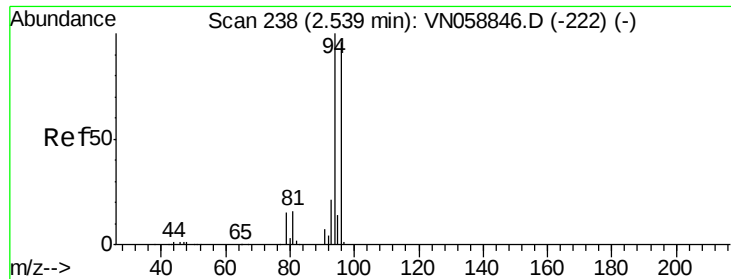
Tgt Ion: 62 Resp: 97968

Ion Ratio Lower Upper

62 100

64 32.3 24.6 36.8





#5

Bromomethane

Concen: 18.196 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

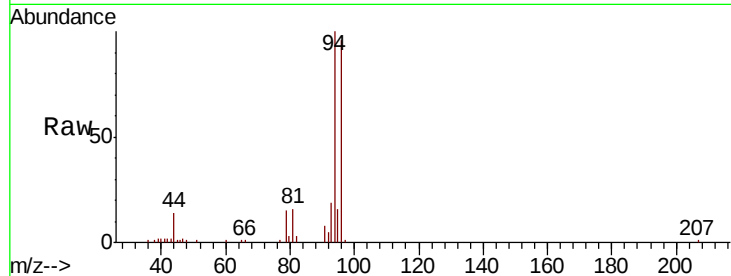
VN1025WBSD02

Tot Ion: 94 Resp: 58114

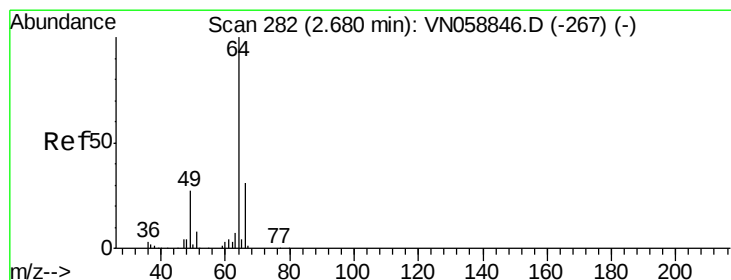
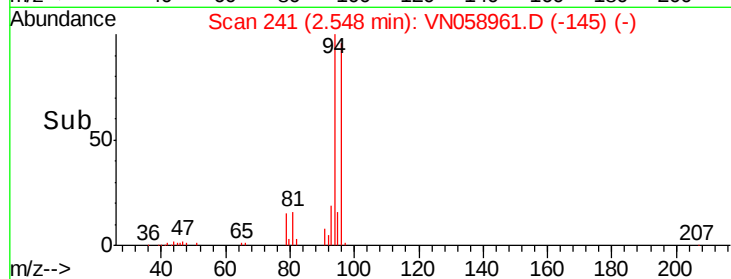
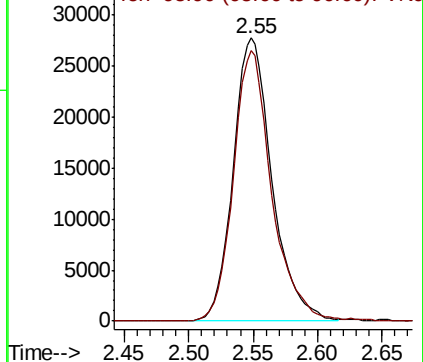
Ion Ratio Lower Upper

94 100

96 95.8 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.432 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058961.D

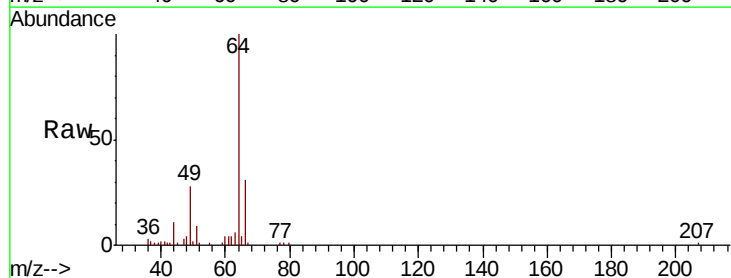
Acq: 24 Oct 2019 15:12

Tgt Ion: 64 Resp: 63553

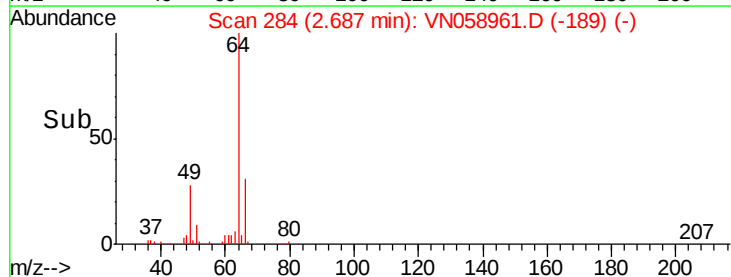
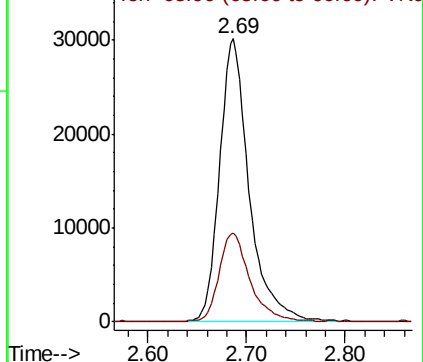
Ion Ratio Lower Upper

64 100

66 31.4 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



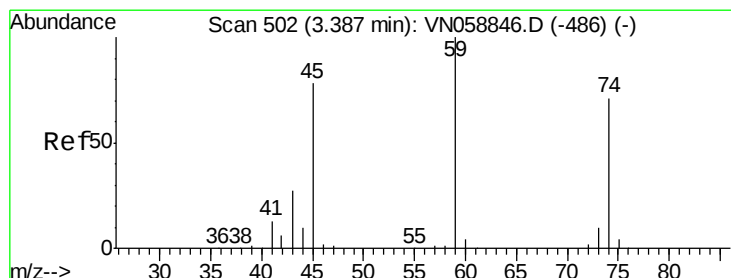
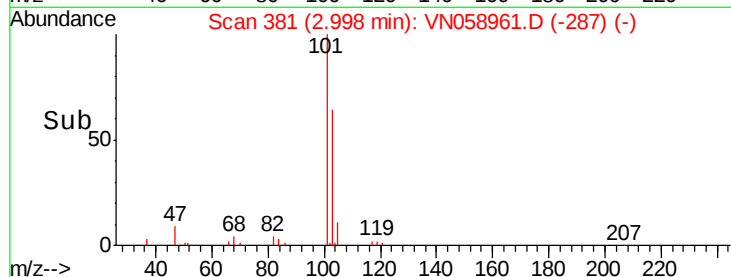
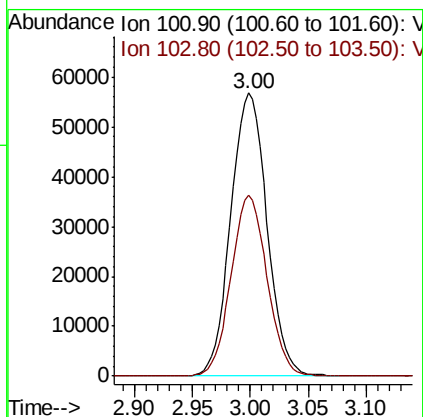
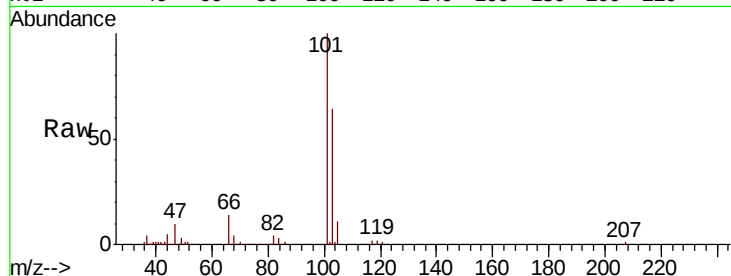


#7

Trichlorofluoromethane
Concen: 19.540 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

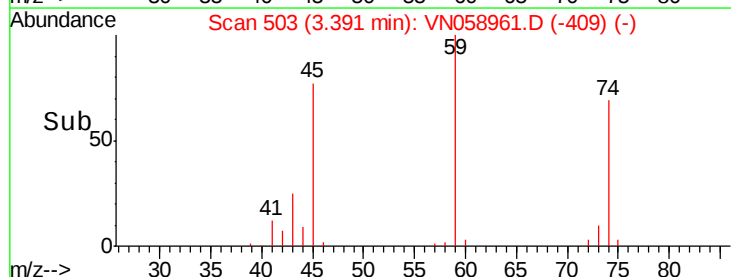
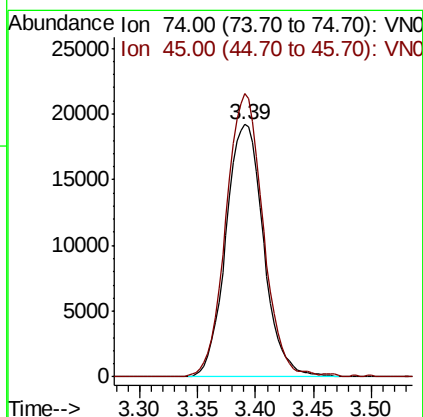
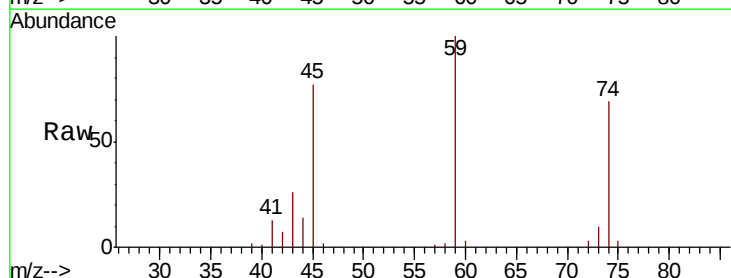
Tot Ion:101 Resp: 123305
Ion Ratio Lower Upper
101 100
103 64.0 52.2 78.2

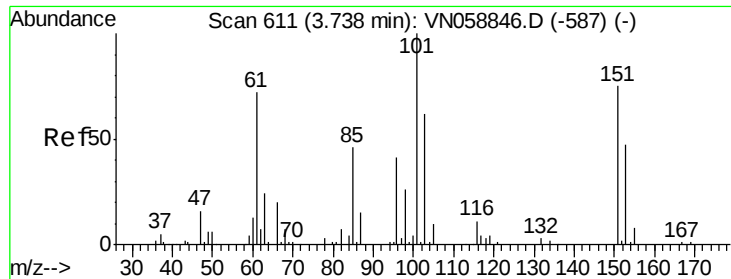


#8

Diethyl Ether
Concen: 19.835 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Tgt Ion: 74 Resp: 43254
Ion Ratio Lower Upper
74 100
45 109.8 54.9 164.5

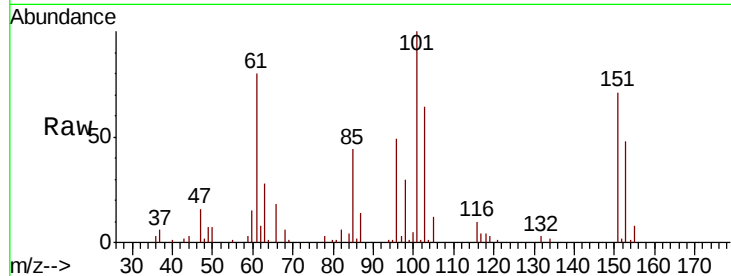




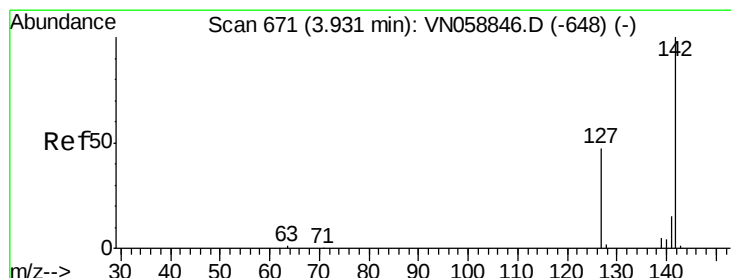
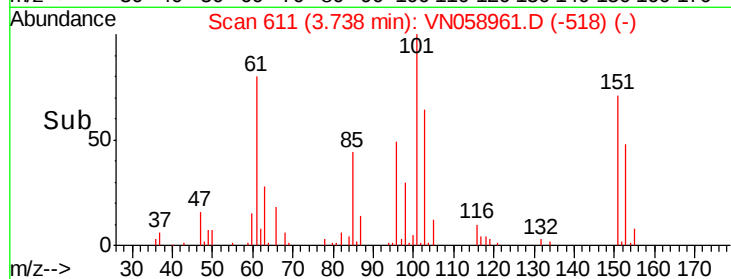
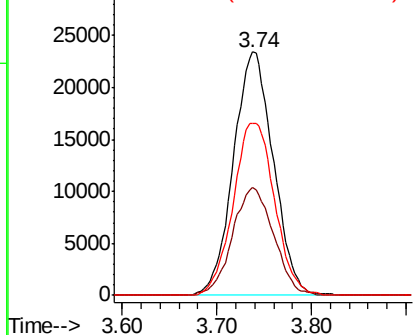
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.656 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD02

Tot Ion:101 Resp: 68766
 Ion Ratio Lower Upper
 101 100
 85 45.5 37.2 55.8
 151 73.5 59.9 89.9

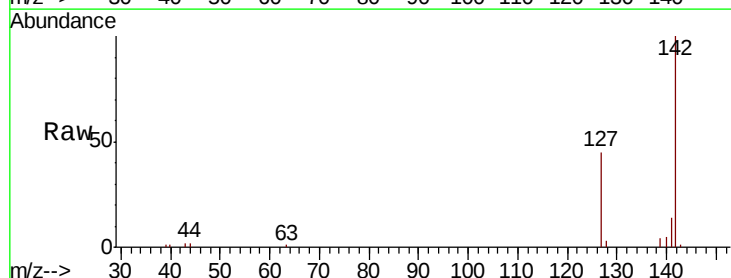


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

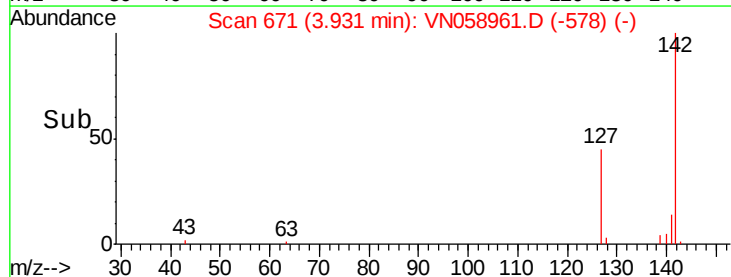
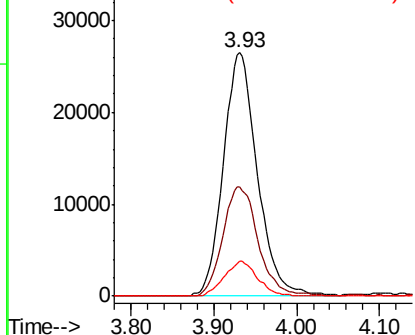


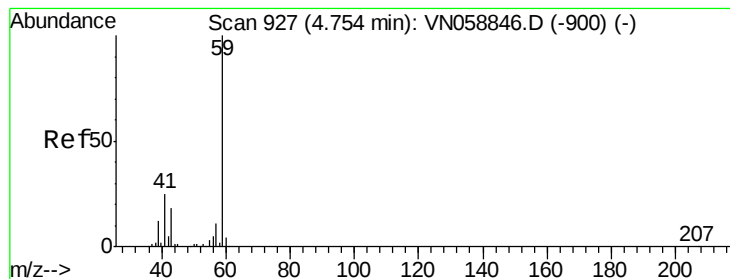
#10
 Methyl Iodide
 Concen: 16.393 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

Tgt Ion:142 Resp: 75425
 Ion Ratio Lower Upper
 142 100
 127 46.5 36.6 54.8
 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: 93.619 ug/l

RT: 4.75 min Scan# 927

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

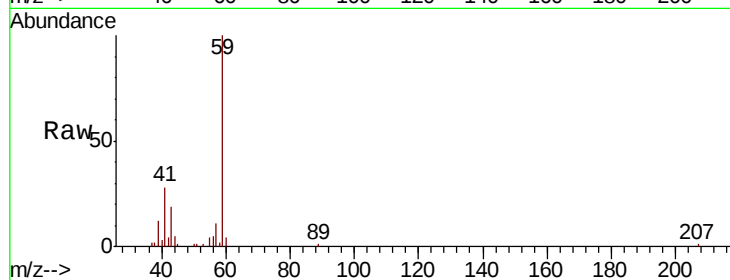
VN1025WBSD02

Tot Ion: 59 Resp: 75794

Ion Ratio Lower Upper

59 100

57 10.2 8.6 12.8



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

25000

20000

15000

10000

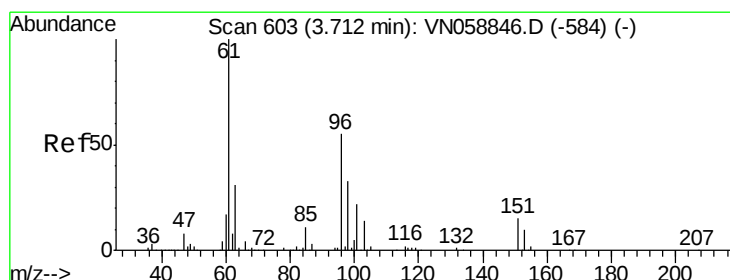
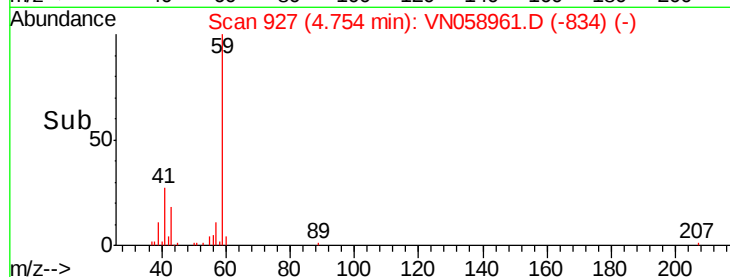
5000

0

4.75

4.60 4.70 4.80 4.90

Time-->



#12

1,1-Dichloroethene

Concen: 19.569 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

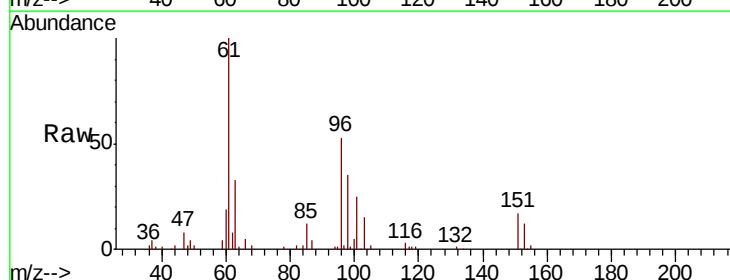
Tgt Ion: 96 Resp: 64170

Ion Ratio Lower Upper

96 100

61 187.2 146.2 219.2

98 65.6 48.7 73.1



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

60000

50000

40000

30000

20000

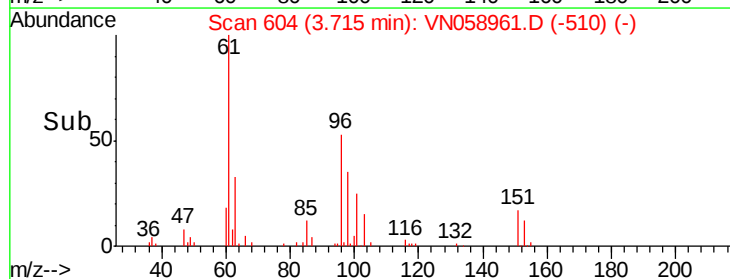
10000

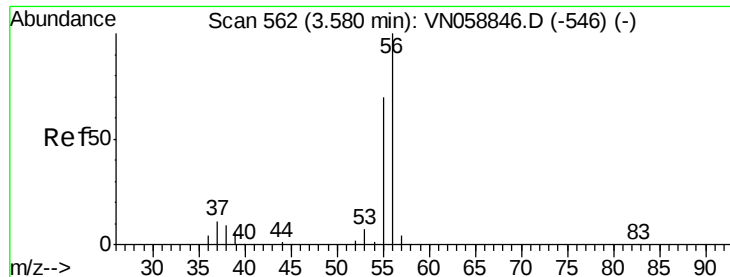
0

3.72

3.60 3.70 3.80

Time-->





#13

Acrolein

Concen: 54.904 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

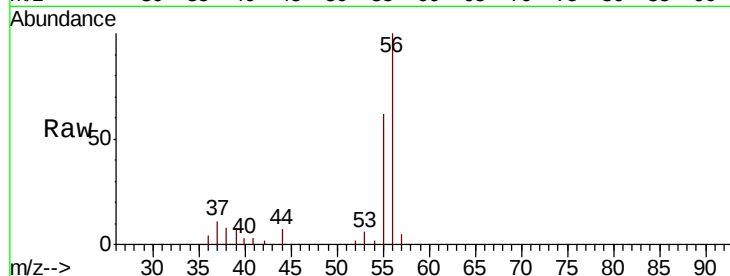
VN1025WBSD02

Tot Ion: 56 Resp: 30542

Ion Ratio Lower Upper

56 100

55 71.2 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VN058846.D (-546) (-)

Ion 55.00 (54.70 to 55.70): VN058846.D (-546) (-)

3.59

15000

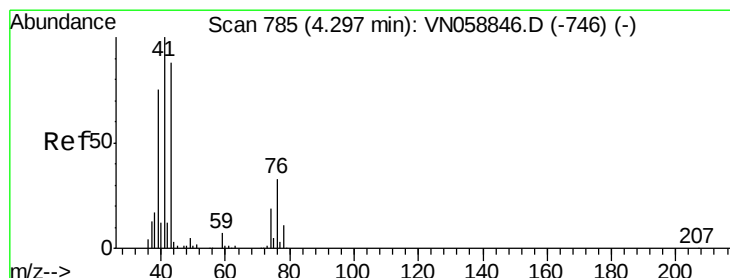
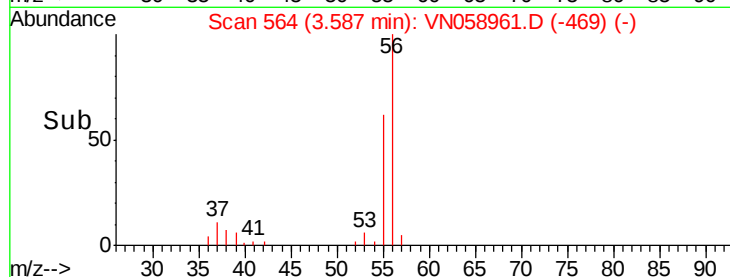
10000

5000

0

Time-->

3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 19.287 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

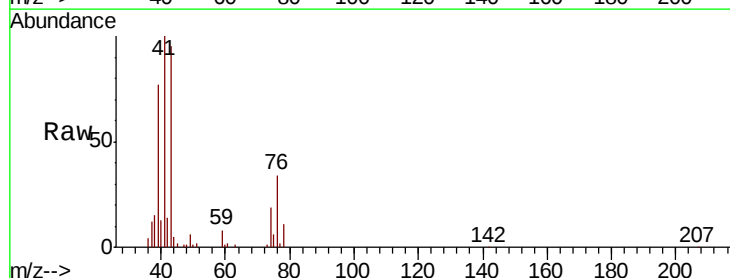
Tgt Ion: 41 Resp: 127980

Ion Ratio Lower Upper

41 100

39 70.8 55.9 83.9

76 31.2 24.1 36.1



Abundance Ion 41.00 (40.70 to 41.70): VN058846.D (-746) (-)

Ion 39.00 (38.70 to 39.70): VN058846.D (-746) (-)

Ion 75.90 (75.60 to 76.60): VN058846.D (-746) (-)

4.30

50000

40000

30000

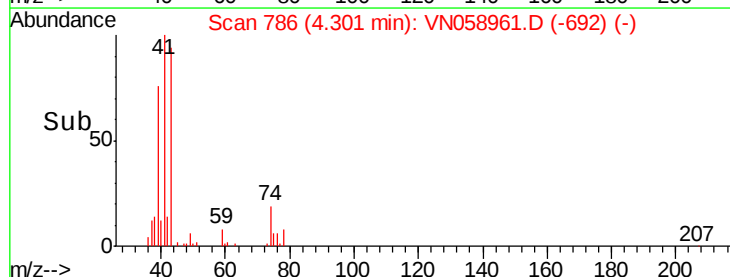
20000

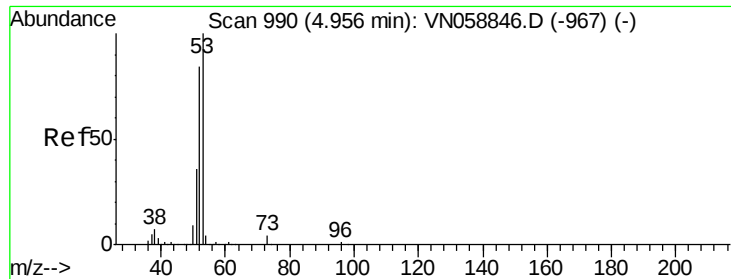
10000

0

Time-->

4.10 4.20 4.30 4.40





#15

Acrylonitrile

Concen: 101.366 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

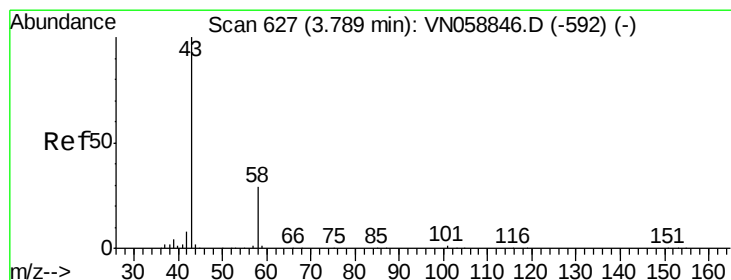
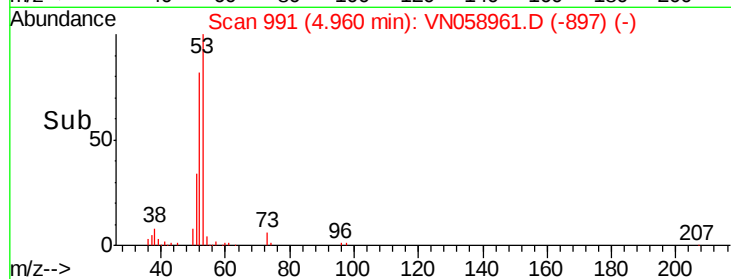
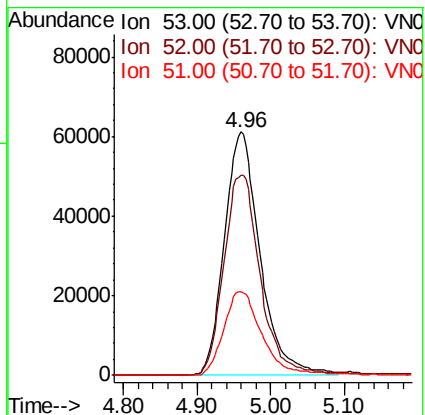
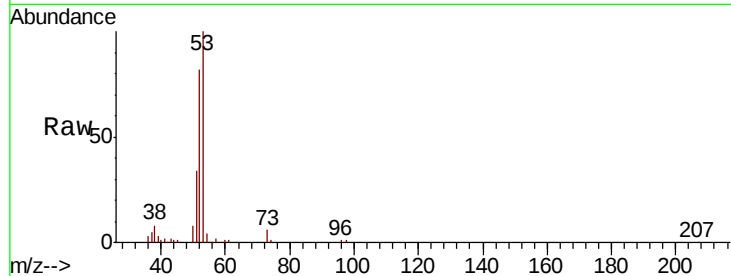
Tot Ion: 53 Resp: 206430

Ion Ratio Lower Upper

53 100

52 84.2 66.6 99.8

51 36.6 29.2 43.8



#16

Acetone

Concen: 81.635 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN058961.D

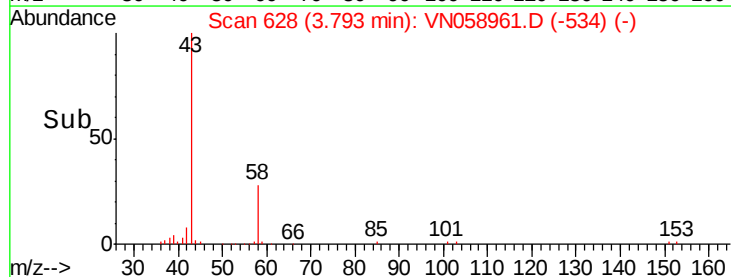
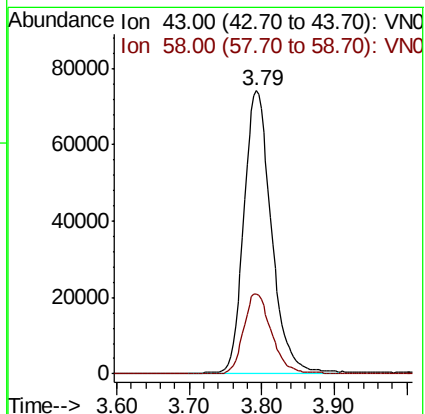
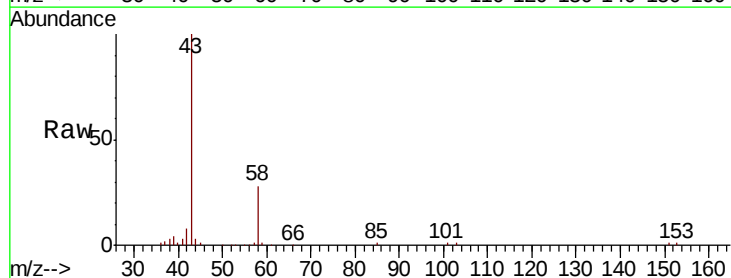
Acq: 24 Oct 2019 15:12

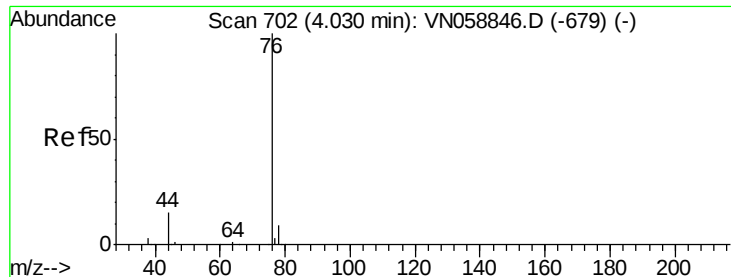
Tgt Ion: 43 Resp: 196803

Ion Ratio Lower Upper

43 100

58 28.3 23.1 34.7

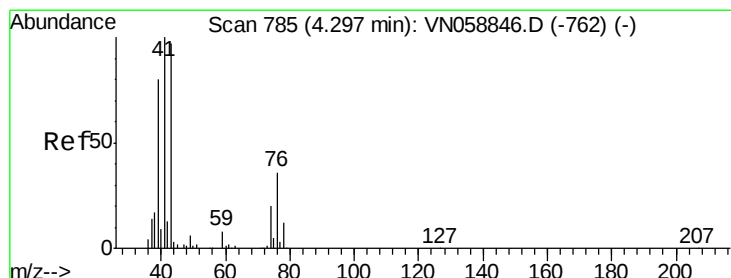
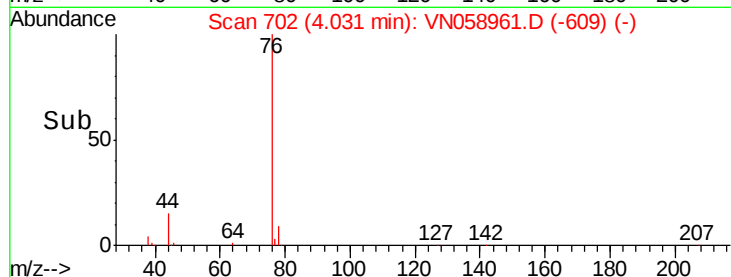
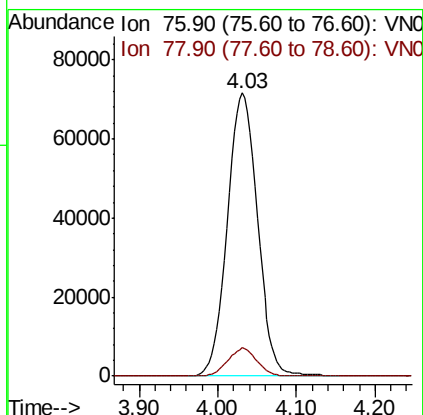
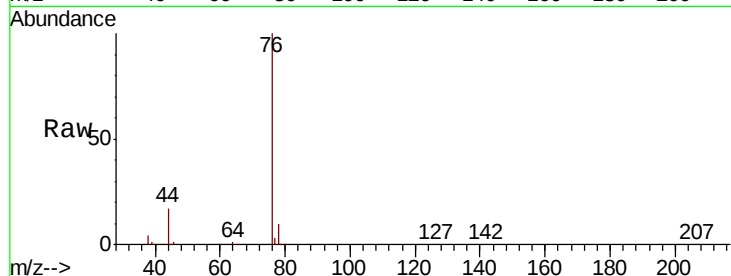




#17
Carbon Disulfide
Concen: 18.061 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

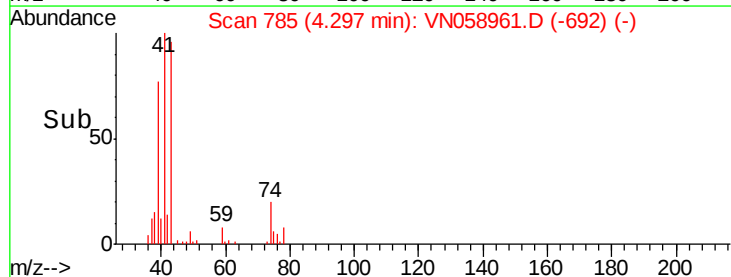
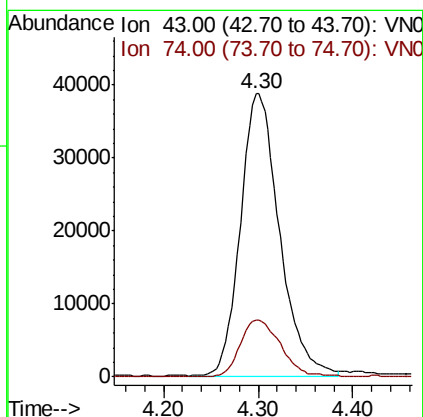
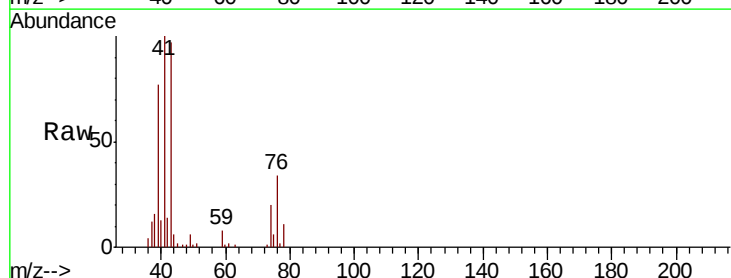
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

Tot Ion: 76 Resp: 190783
Ion Ratio Lower Upper
76 100
78 9.9 7.1 10.7



#18
Methyl Acetate
Concen: 20.166 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Tgt Ion: 43 Resp: 110530
Ion Ratio Lower Upper
43 100
74 21.2 17.1 25.7

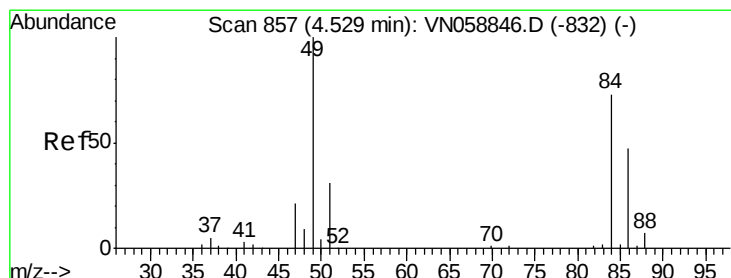
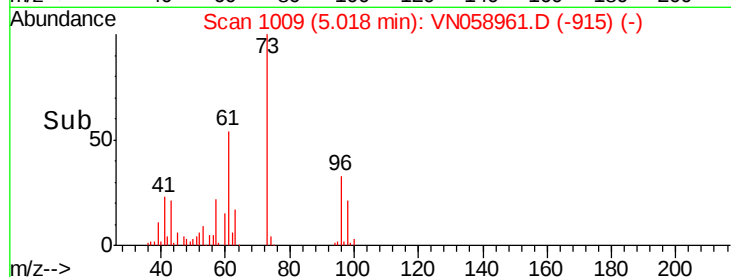
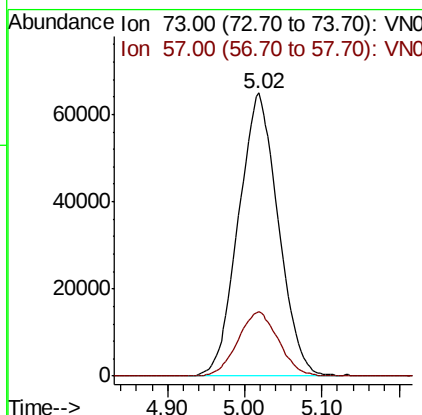
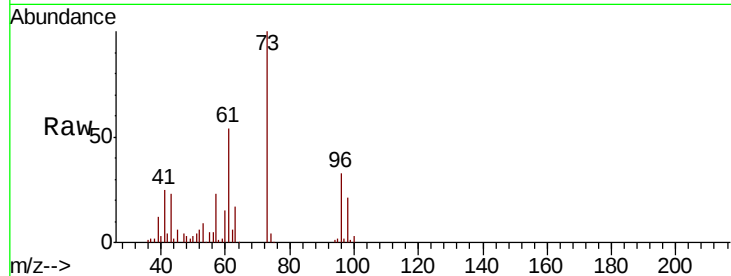




#19
Methvl tert-butvl Ether
Concen: 20.198 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

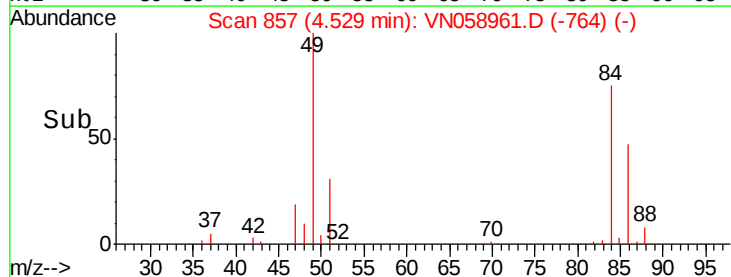
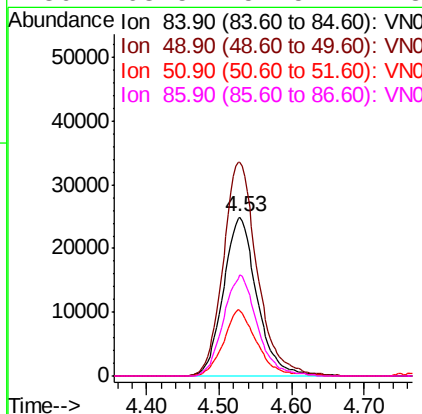
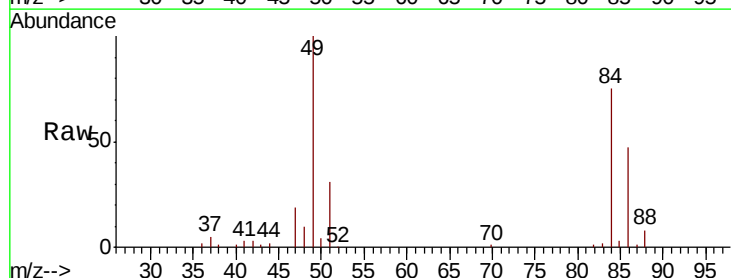
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

Tot Ion: 73 Resp: 231928
Ion Ratio Lower Upper
73 100
57 22.8 17.9 26.9



#20
Methylene Chloride
Concen: 19.527 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Tgt Ion: 84 Resp: 80382
Ion Ratio Lower Upper
84 100
49 134.0 109.6 164.4
51 41.3 33.8 50.6
86 63.5 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 19.798 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

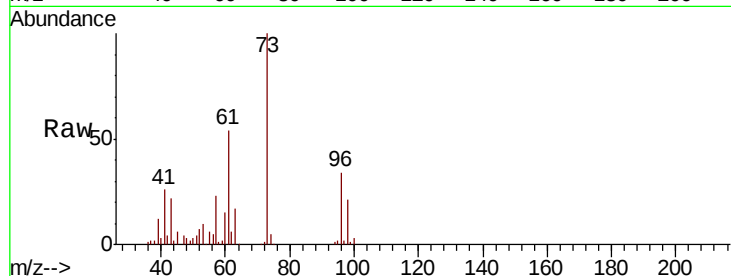
Tot Ion: 96 Resp: 71698

Ion Ratio Lower Upper

96 100

61 160.5 126.7 190.1

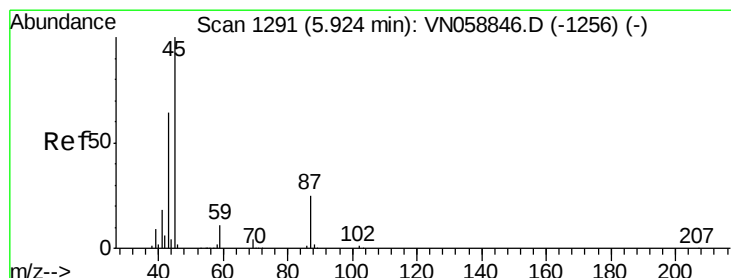
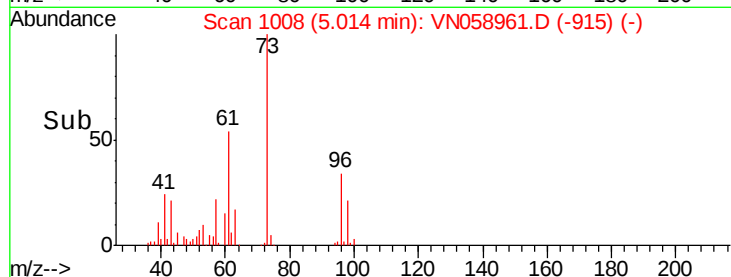
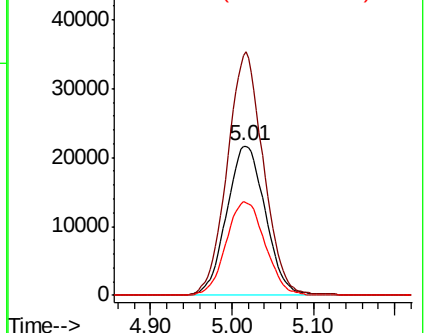
98 62.5 52.0 78.0



Abundance Ion 95.90 (95.60 to 96.60): VN058846.D (-982) (-)

Ion 60.90 (60.60 to 61.60): VN058846.D (-982) (-)

Ion 97.90 (97.60 to 98.60): VN058846.D (-982) (-)



#22

Diisopropyl ether

Concen: 20.777 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Tgt Ion: 45 Resp: 269666

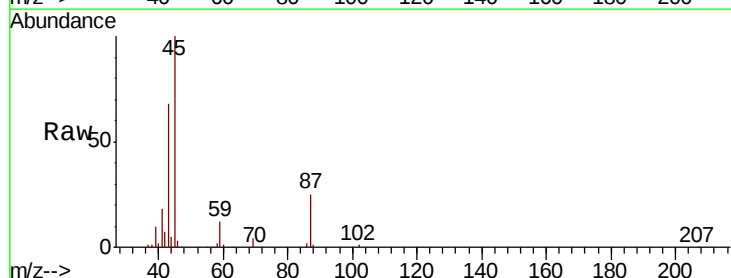
Ion Ratio Lower Upper

45 100

43 66.5 52.9 79.3

87 25.1 20.2 30.4

59 11.7 8.8 13.2

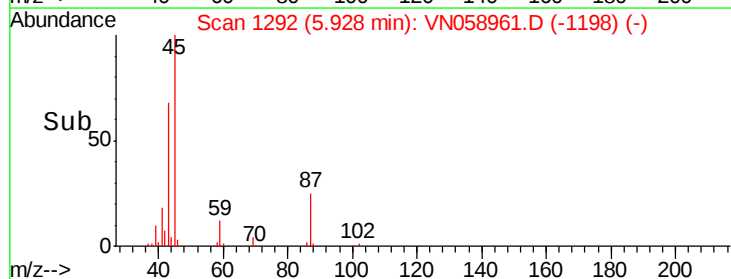
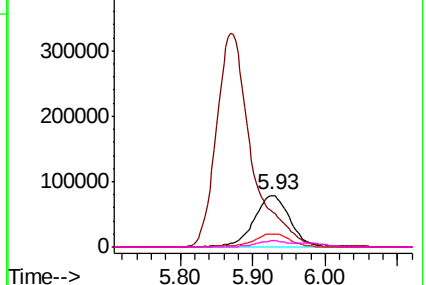


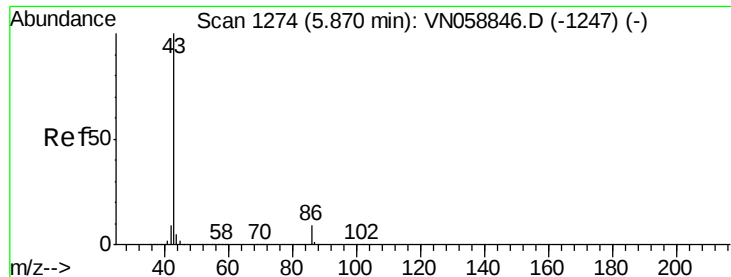
Abundance Ion 45.00 (44.70 to 45.70): VN058846.D (-1256) (-)

Ion 43.00 (42.70 to 43.70): VN058846.D (-1256) (-)

Ion 87.00 (86.70 to 87.70): VN058846.D (-1256) (-)

Ion 59.00 (58.70 to 59.70): VN058846.D (-1256) (-)





#23

Vinyl Acetate

Concen: 105.769 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleID :

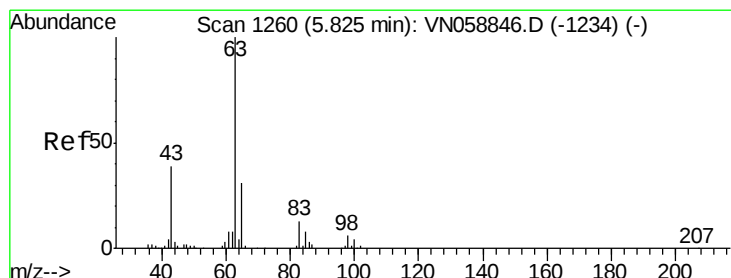
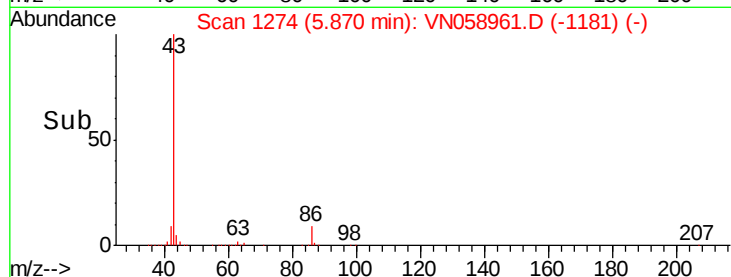
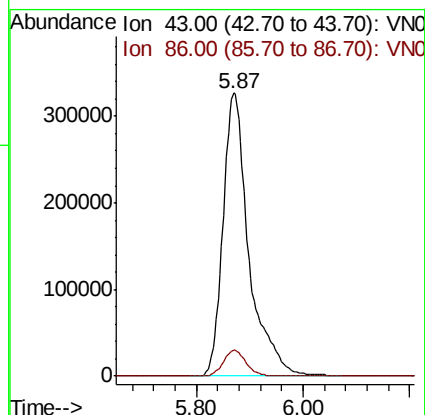
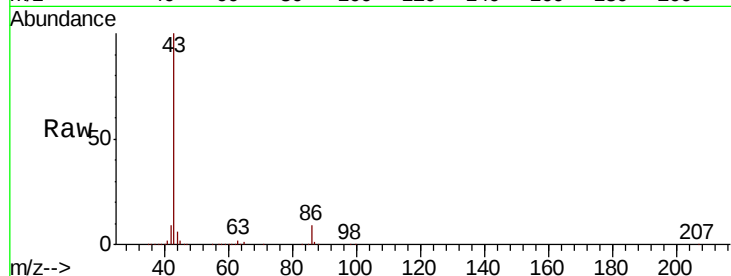
VN1025WBSD02

Tot Ion: 43 Resp: 1102933

Ion Ratio Lower Upper

43 100

86 9.1 7.2 10.8



#24

1,1-Dichloroethane

Concen: 19.950 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

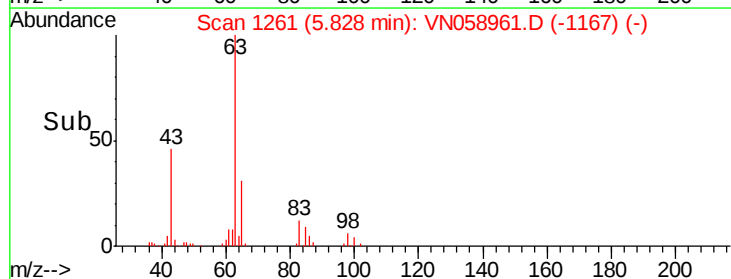
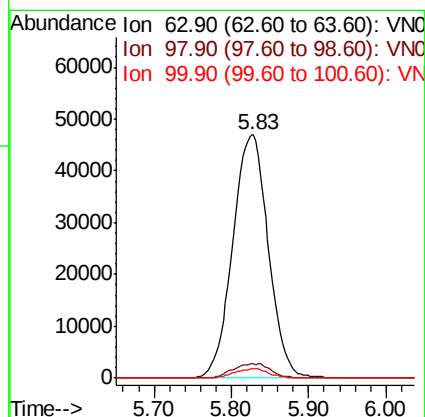
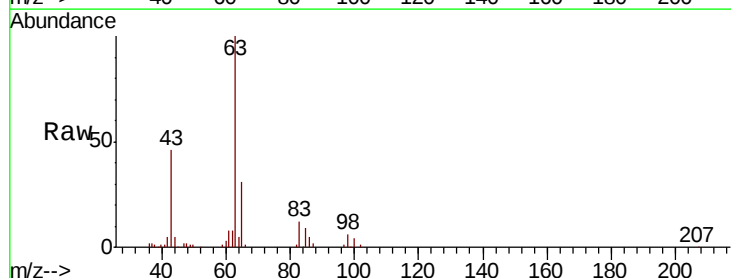
Tgt Ion: 63 Resp: 150144

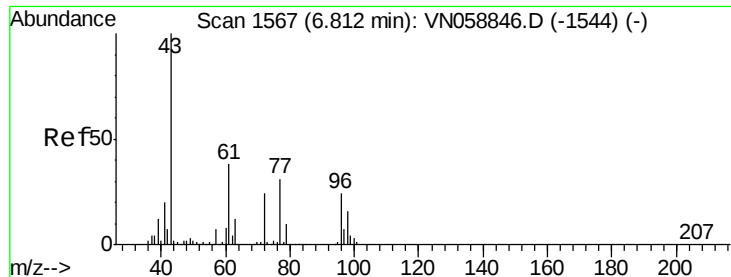
Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

100 3.9 1.9 5.7





#25

2-Butanone

Concen: 91.604 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

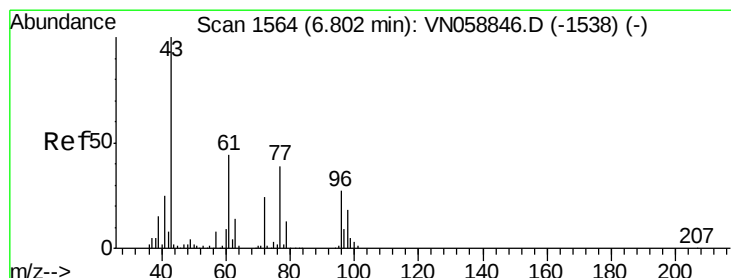
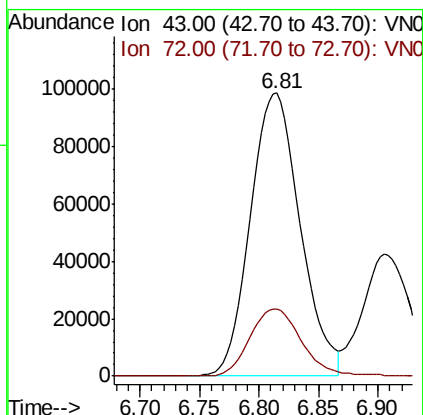
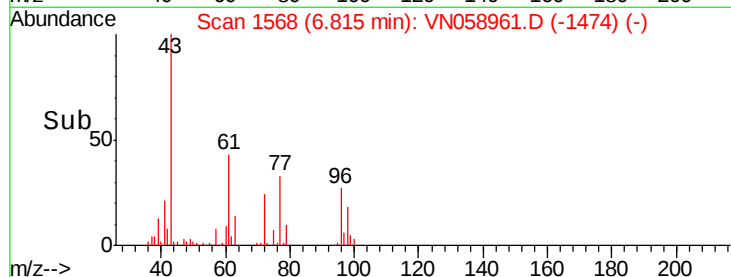
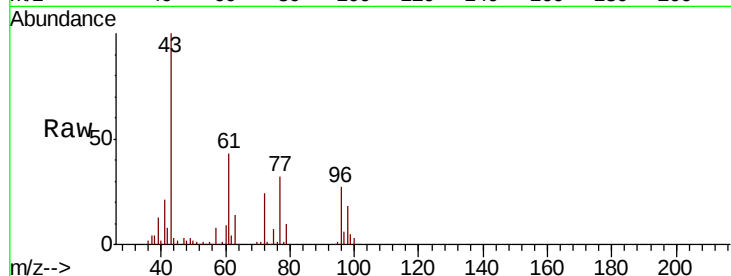
VN1025WBSD02

Tot Ion: 43 Resp: 286670

Ion Ratio Lower Upper

43 100

72 23.7 19.1 28.7



#26

2,2-Dichloropropane

Concen: 18.369 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058961.D

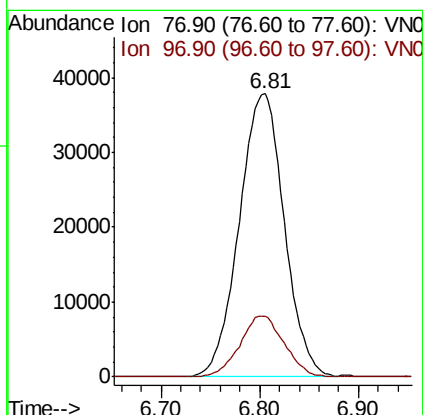
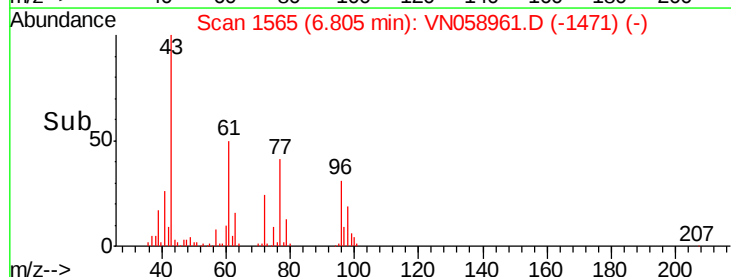
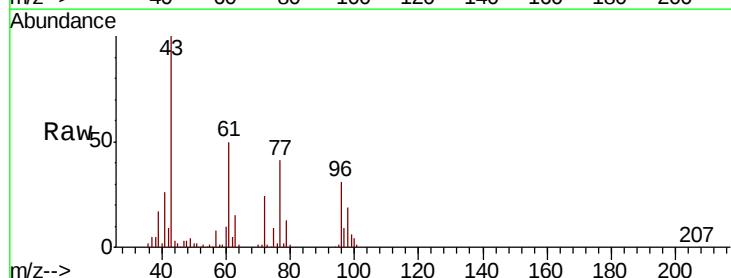
Acq: 24 Oct 2019 15:12

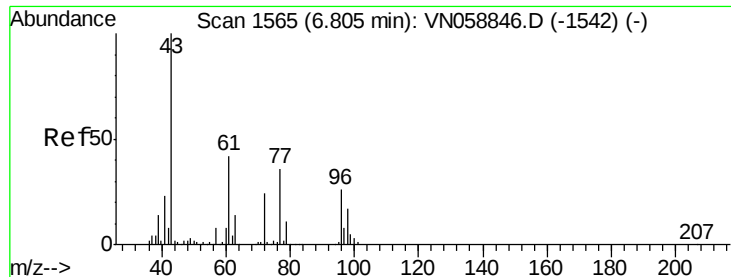
Tgt Ion: 77 Resp: 119576

Ion Ratio Lower Upper

77 100

97 21.0 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 20.034 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

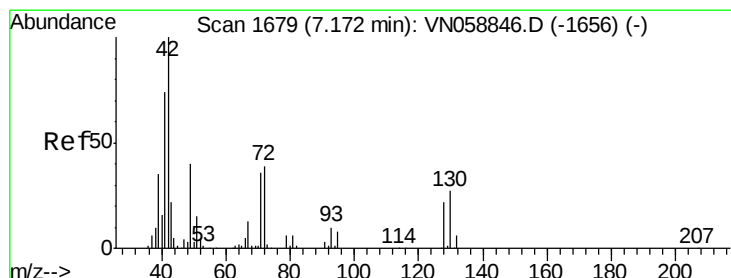
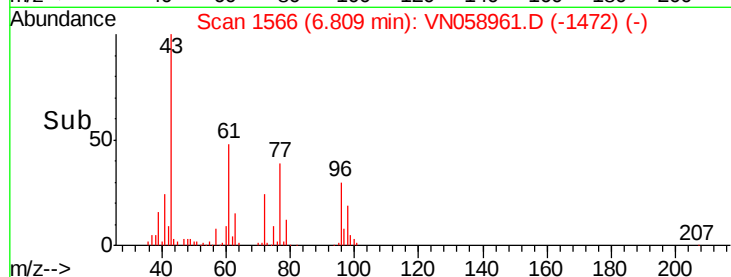
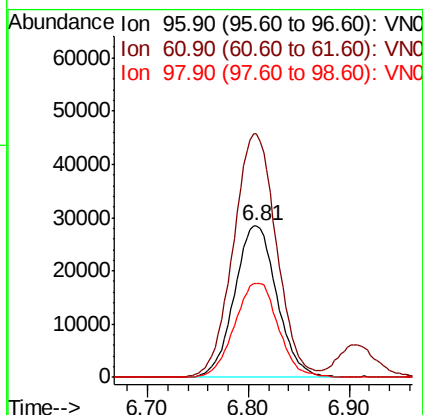
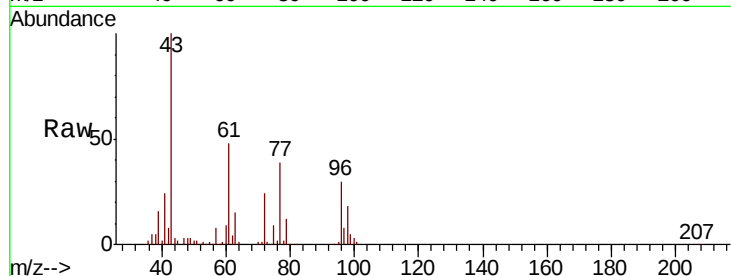
Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

Tot Ion: 96 Resp: 82878

Ion	Ratio	Lower	Upper
96	100		
61	163.9	0.0	325.0
98	64.1	0.0	128.0



#28

Bromochloromethane

Concen: 20.774 ug/l

RT: 7.17 min Scan# 1679

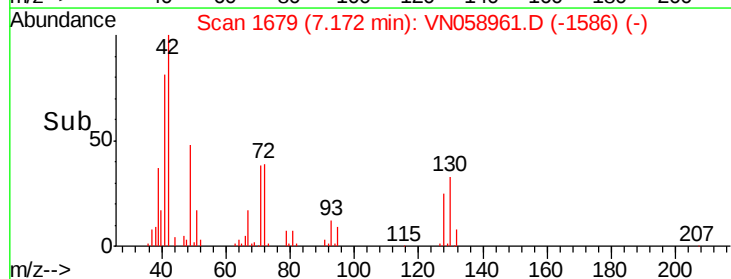
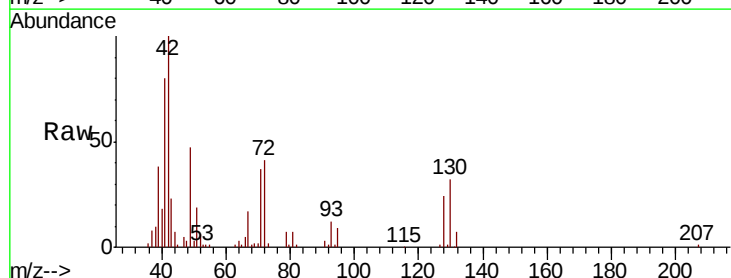
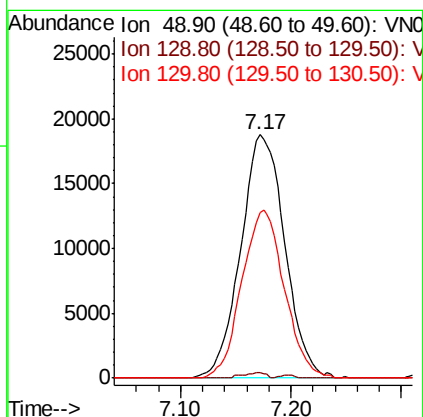
Delta R.T. 0.00 min

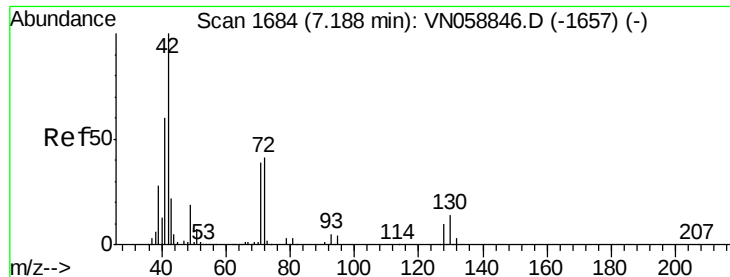
Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Tgt Ion: 49 Resp: 52068

Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.2
130	66.5	53.5	80.3





#29

Tetrahydrofuran

Concen: 100.323 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

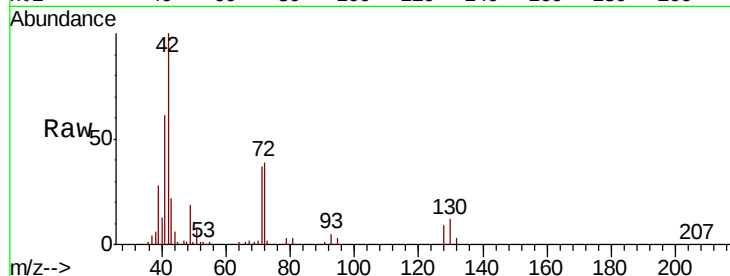
Tot Ion: 42 Resp: 192056

Ion Ratio Lower Upper

42 100

72 39.2 32.2 48.2

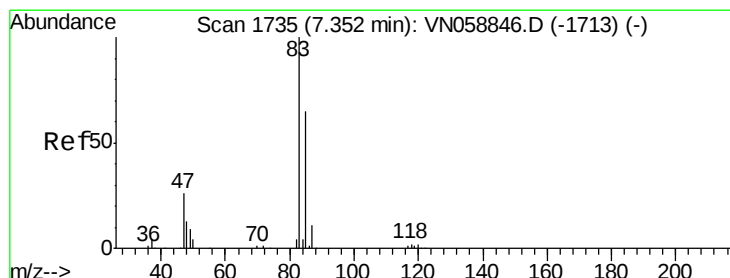
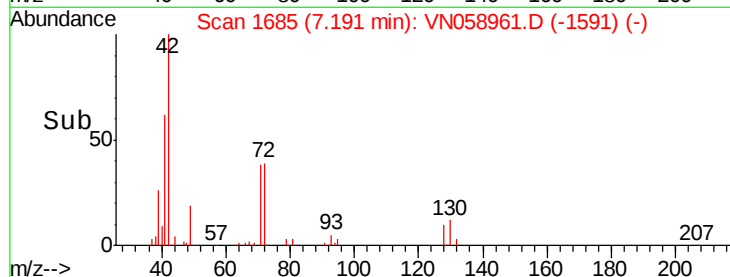
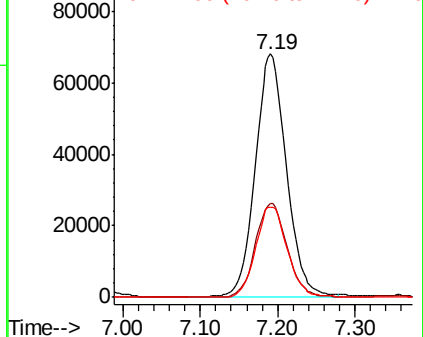
71 37.6 30.6 45.8



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 19.399 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. 0.00 min

Lab File: VN058961.D

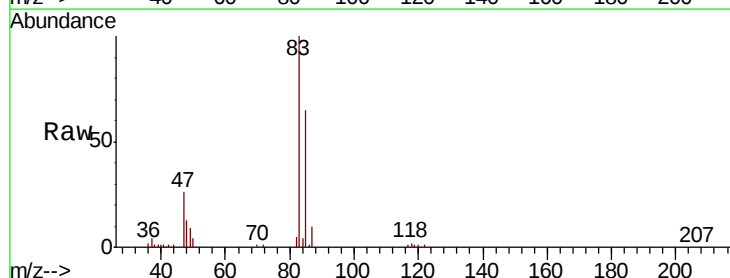
Acq: 24 Oct 2019 15:12

Tgt Ion: 83 Resp: 146449

Ion Ratio Lower Upper

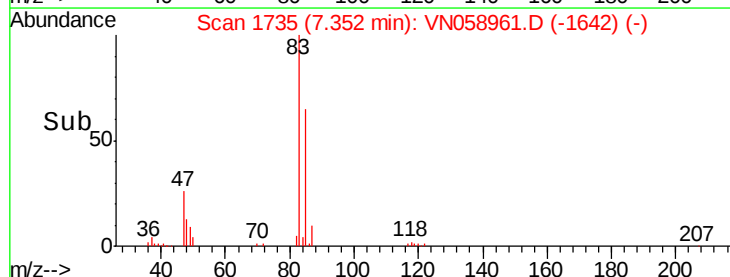
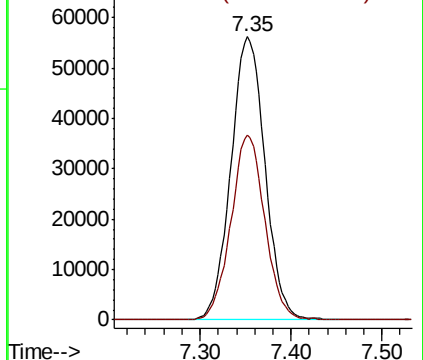
83 100

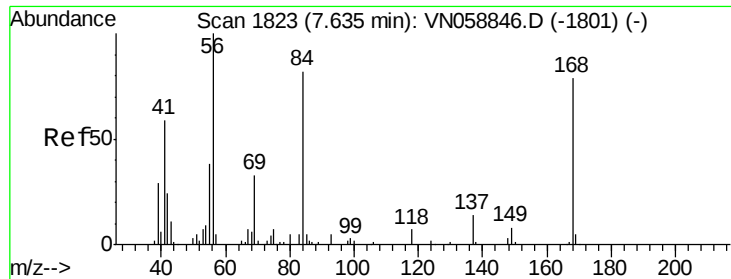
85 65.4 51.9 77.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

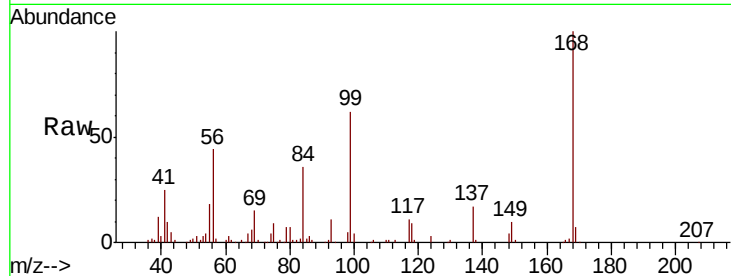




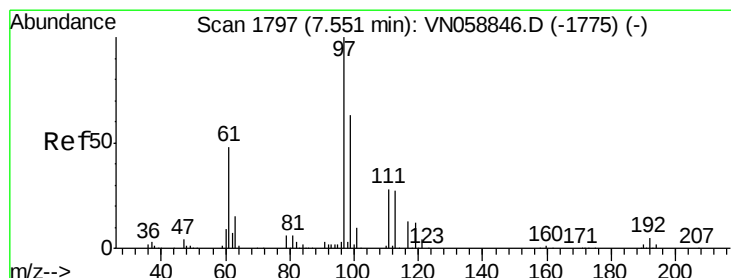
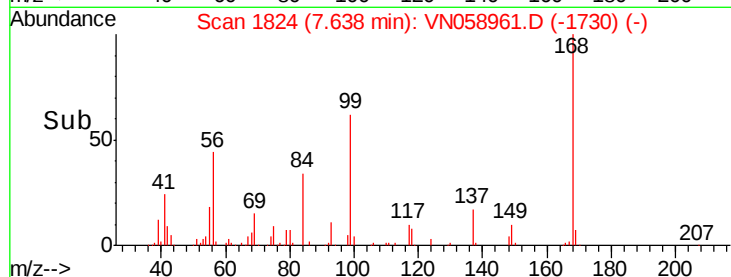
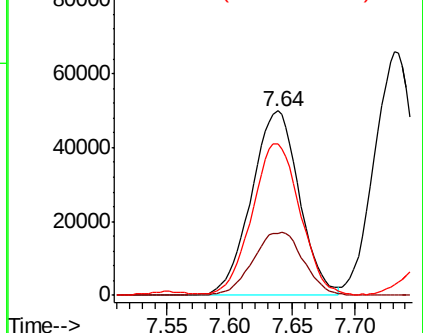
#31
Cyclohexane
Concen: 18.928 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

Tot Ion: 56 Resp: 132710
Ion Ratio Lower Upper
56 100
69 33.8 26.2 39.4
84 80.7 65.6 98.4

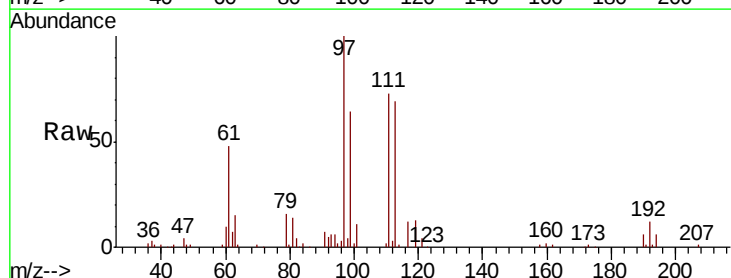


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

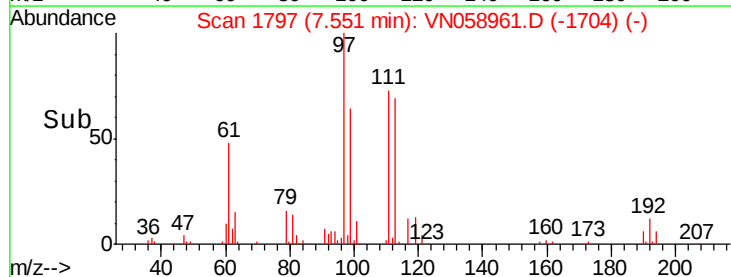
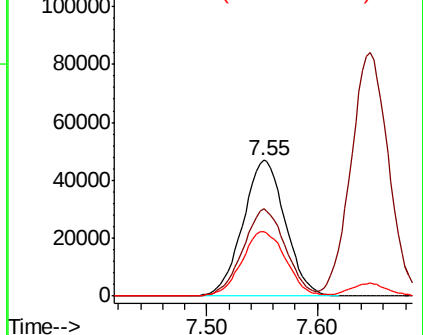


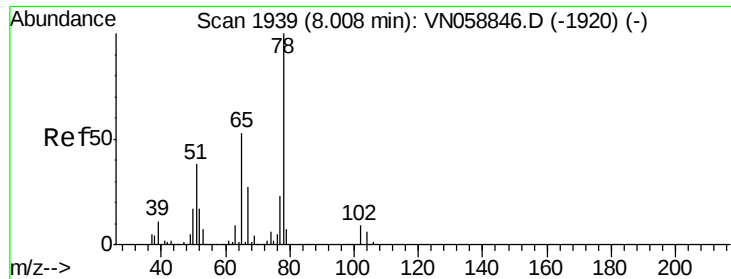
#32
1,1,1-Trichloroethane
Concen: 19.636 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Tgt Ion: 97 Resp: 124947
Ion Ratio Lower Upper
97 100
99 64.3 51.0 76.4
61 49.3 38.6 58.0



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

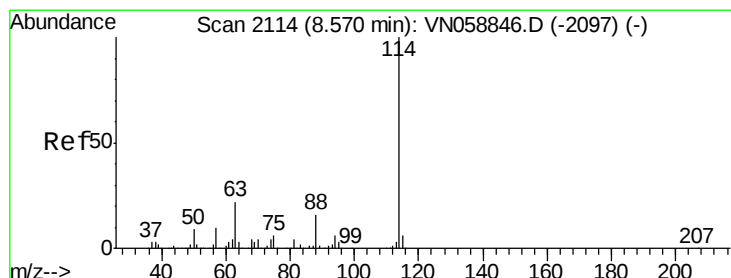
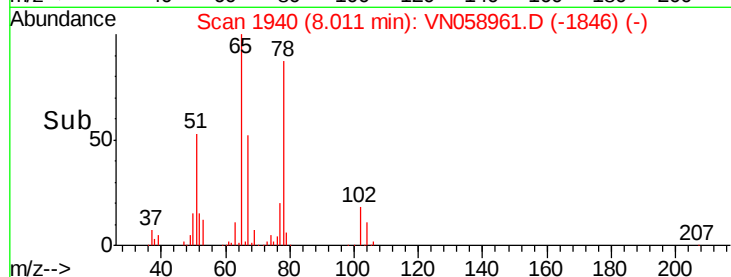
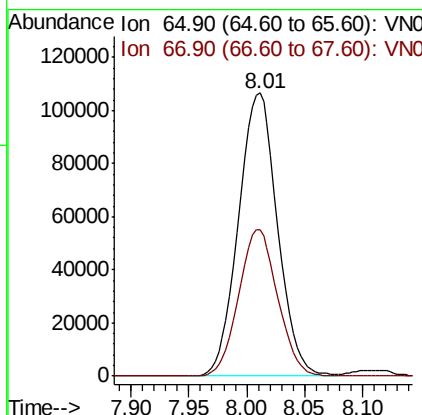
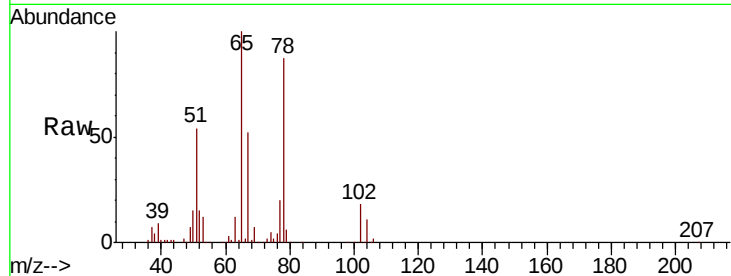




#33
 1,2-Dichloroethane-d4
 Concen: 51.157 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

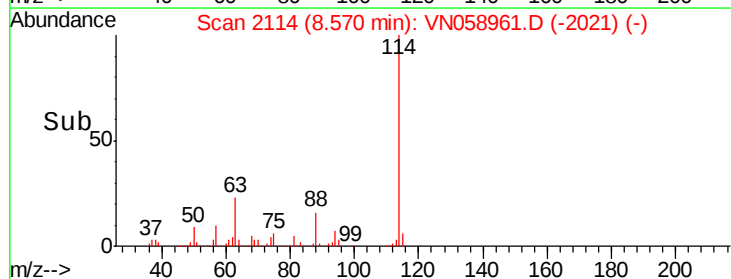
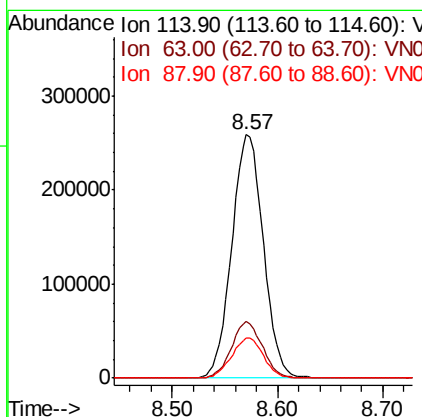
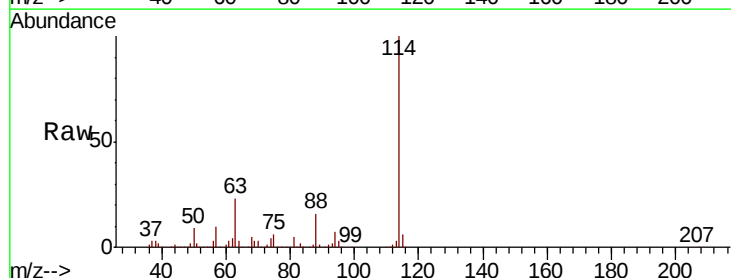
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD02

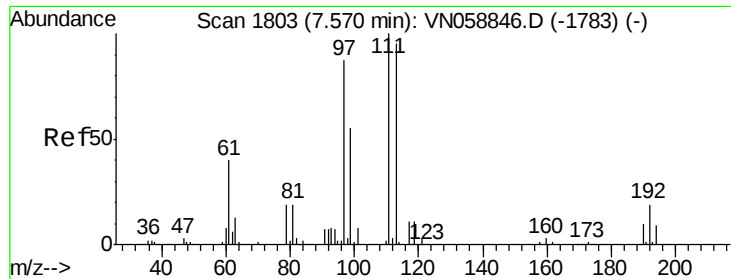
Tot Ion: 65 Resp: 249579
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

Tgt Ion: 114 Resp: 538019
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 44.4
 88 16.3 0.0 31.4

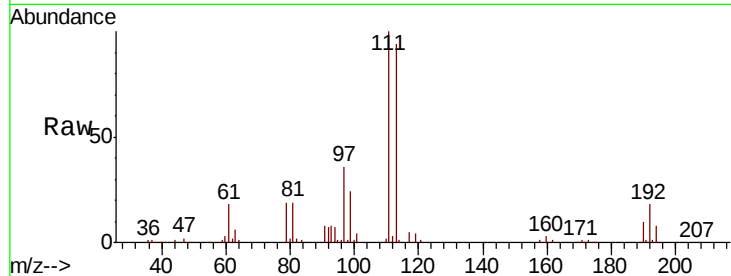




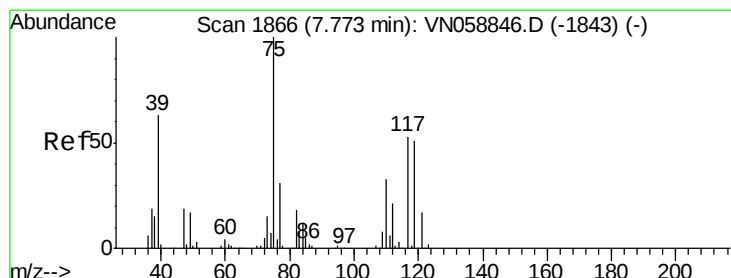
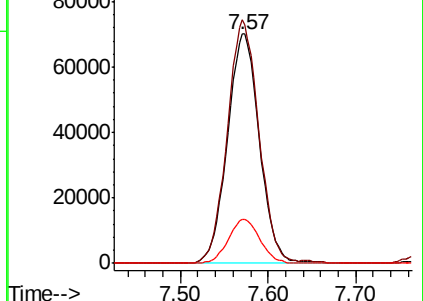
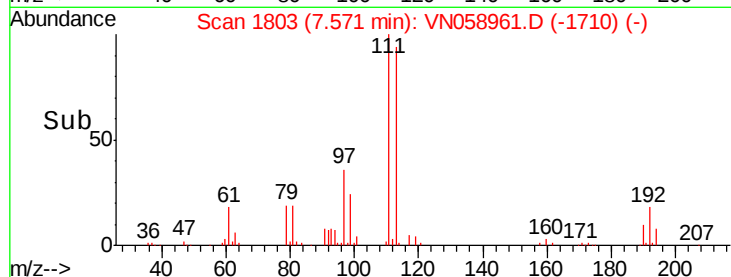
#35
 Dibromofluoromethane
 Concen: 50.273 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD02

Tot Ion:113 Resp: 177833
 Ion Ratio Lower Upper
 113 100
 111 104.4 82.0 123.0
 192 18.9 15.0 22.6

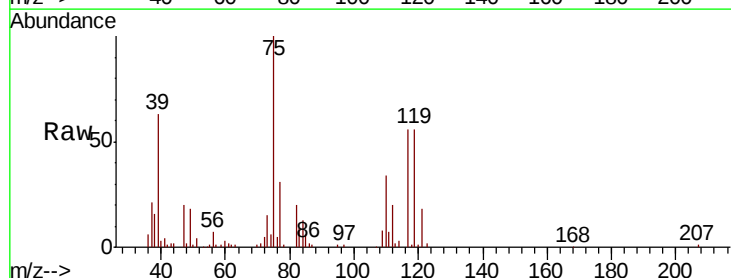


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

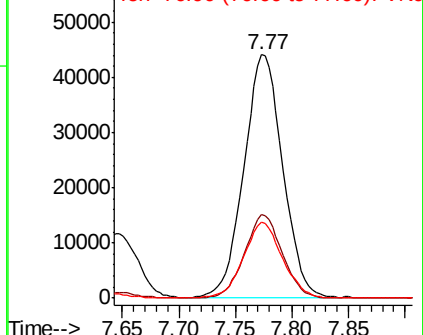
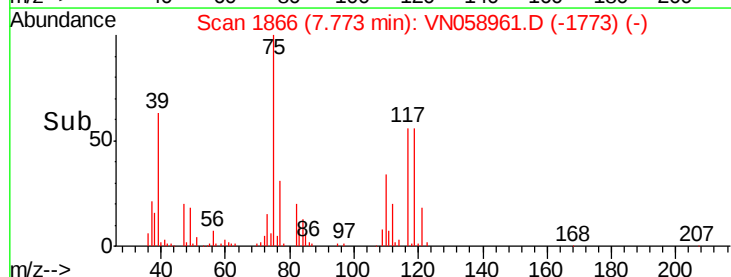


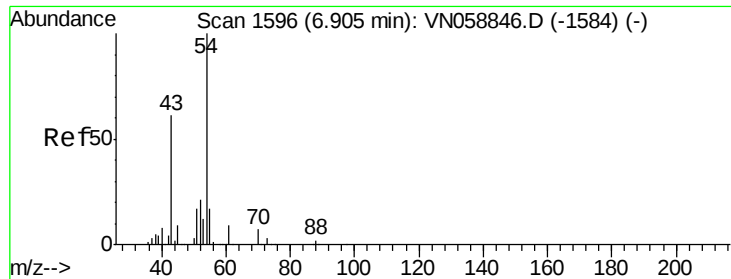
#36
 1,1-Dichloropropene
 Concen: 19.167 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

Tgt Ion: 75 Resp: 105577
 Ion Ratio Lower Upper
 75 100
 110 33.0 16.3 48.9
 77 31.3 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

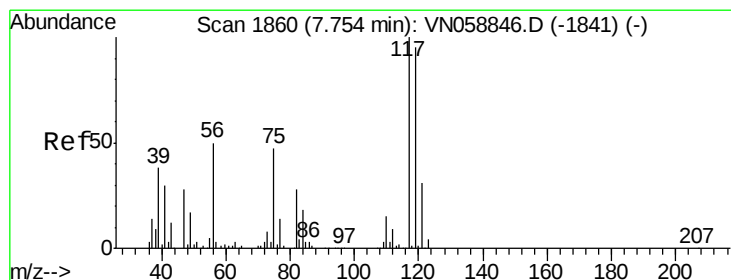
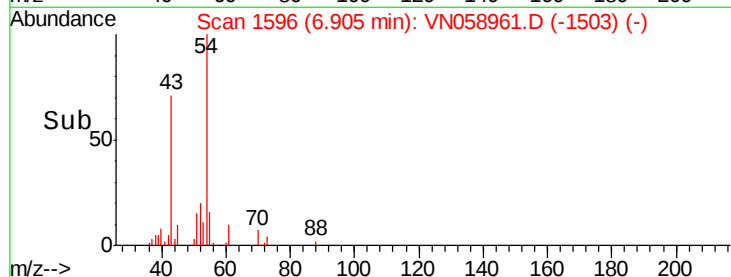
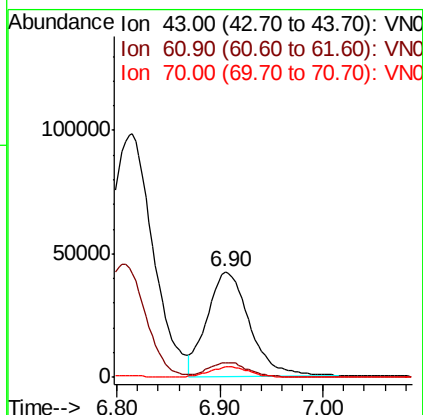
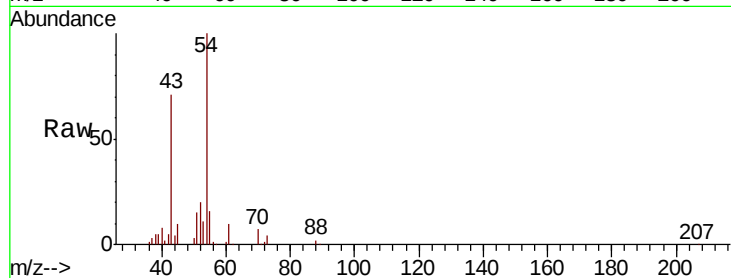




#37
Ethyl Acetate
Concen: 20.042 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

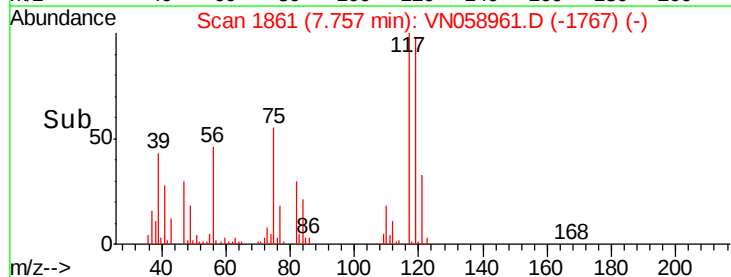
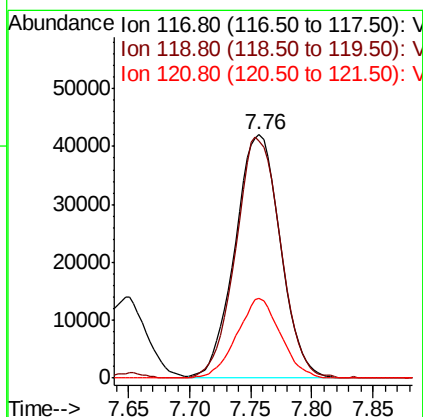
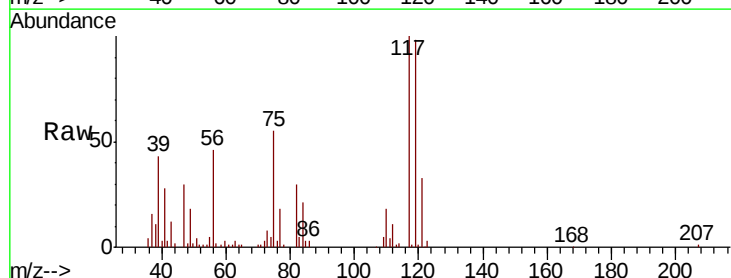
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

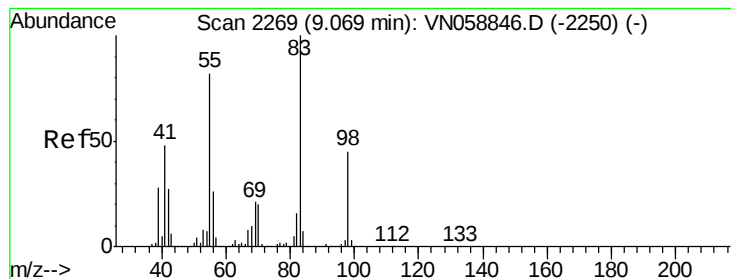
Tot Ion: 43 Resp: 120289
Ion Ratio Lower Upper
43 100
61 14.1 10.5 15.7
70 9.7 7.6 11.4



#38
Carbon Tetrachloride
Concen: 19.090 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Tgt Ion: 117 Resp: 108328
Ion Ratio Lower Upper
117 100
119 97.7 75.7 113.5
121 32.9 25.0 37.6





#39

Methvlcvclohexane

Concen: 18.309 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

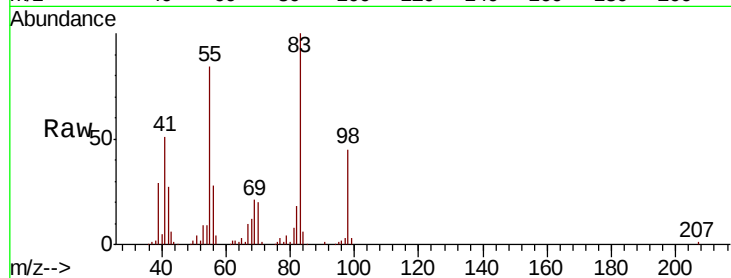
Tot Ion: 83 Resp: 113238

Ion Ratio Lower Upper

83 100

55 84.3 65.5 98.3

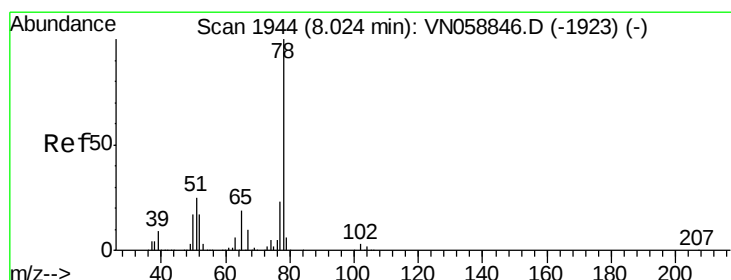
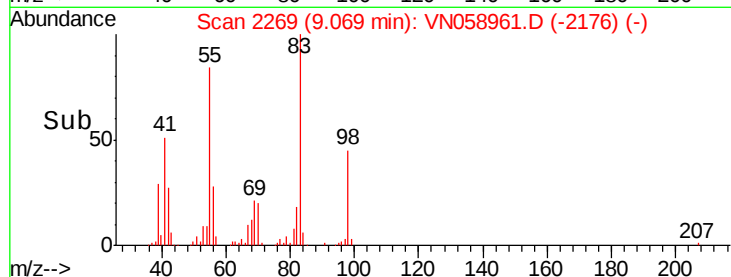
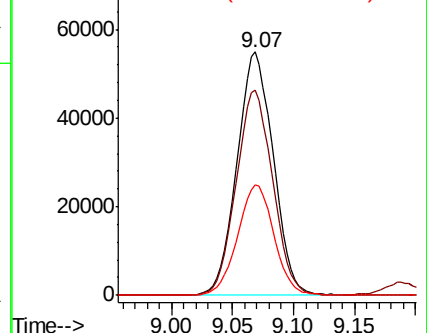
98 45.4 35.7 53.5



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 19.769 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN058961.D

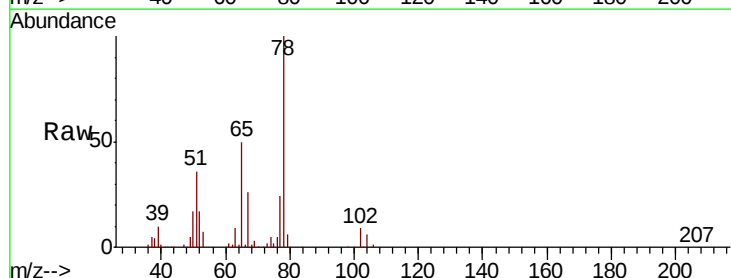
Acq: 24 Oct 2019 15:12

Tgt Ion: 78 Resp: 319752

Ion Ratio Lower Upper

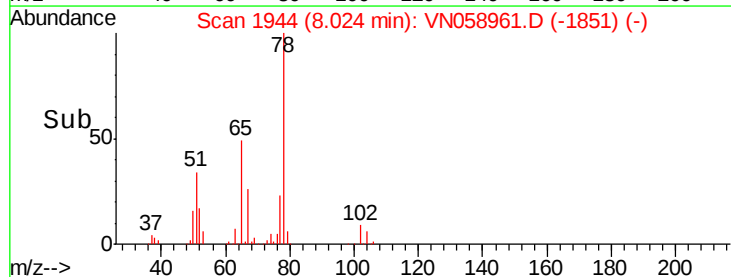
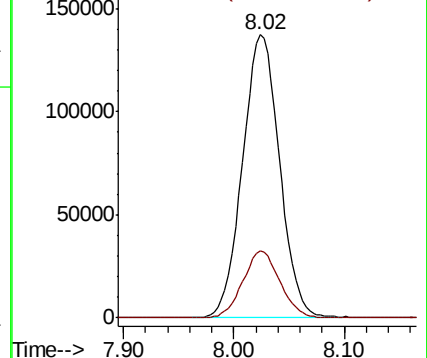
78 100

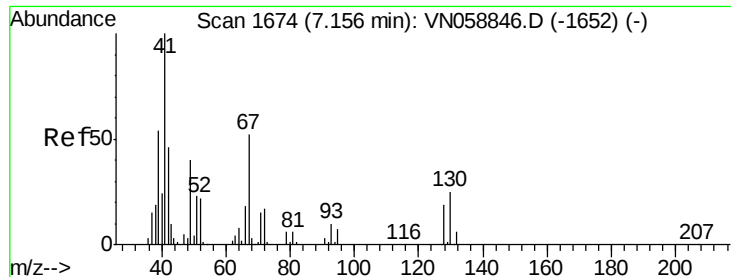
77 23.6 18.2 27.2



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

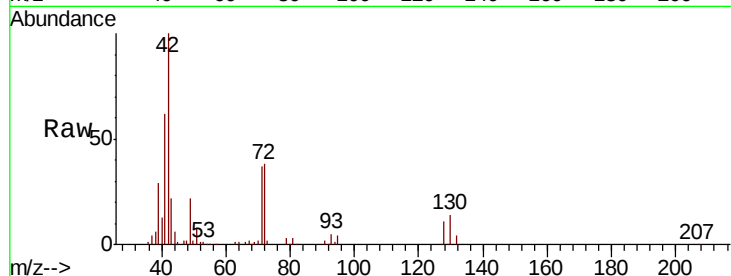




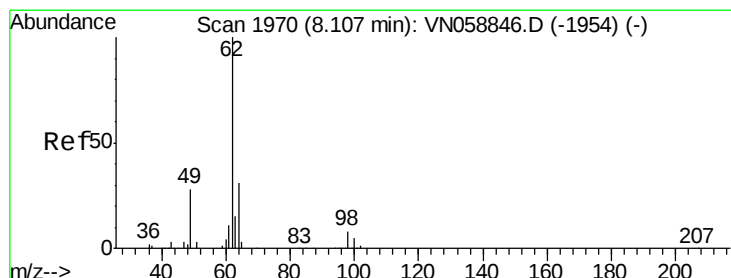
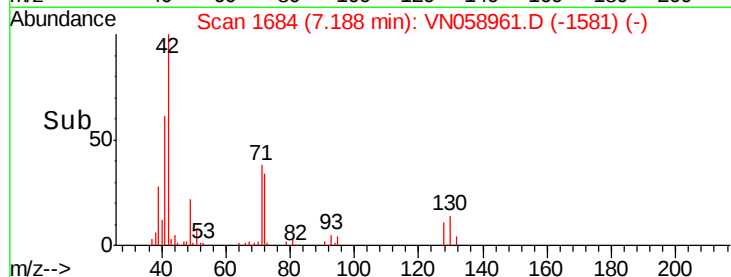
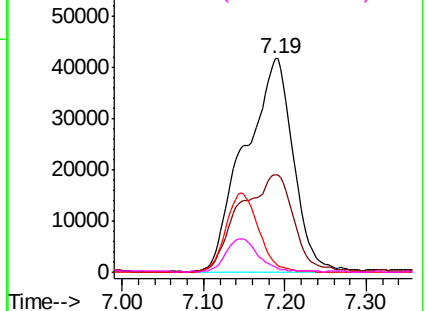
#41
Methacrylonitrile
Concen: 65.187 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

Tot Ion:	41	Resp:	174252
Ion	Ratio	Lower	Upper
41	100		
39	50.7	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

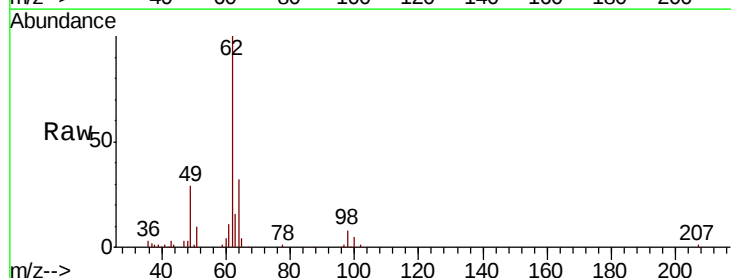


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

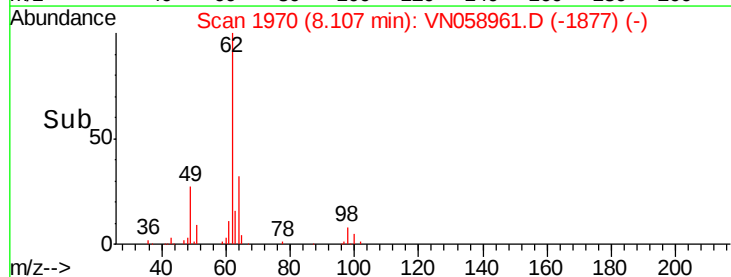
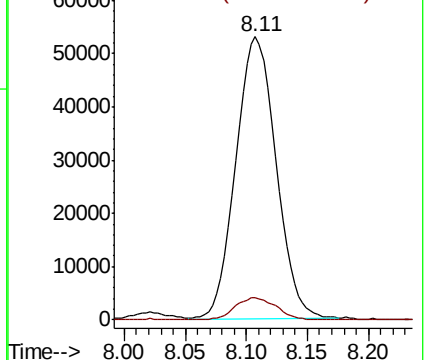


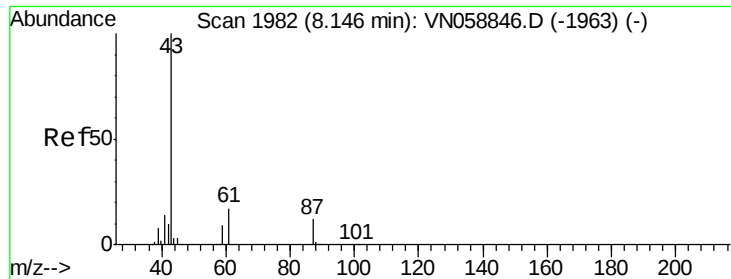
#42
1,2-Dichloroethane
Concen: 19.446 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Tgt Ion:	62	Resp:	121164
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.2



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



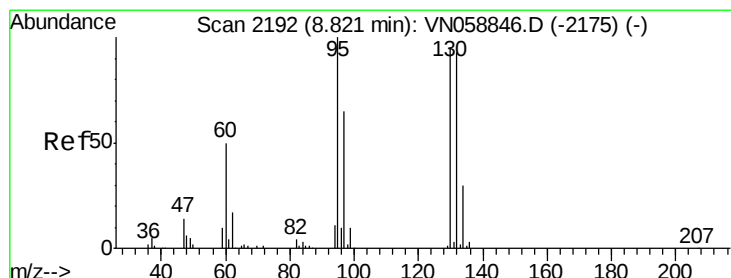
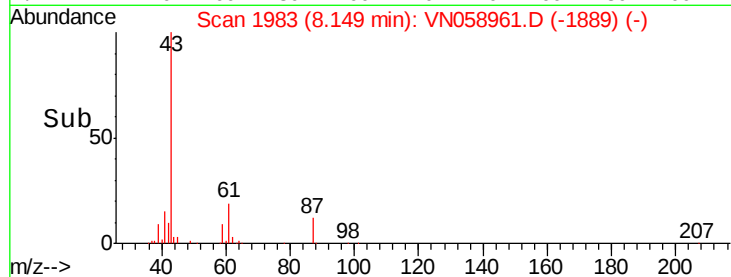
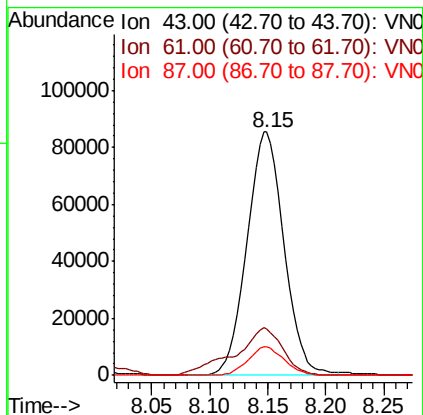
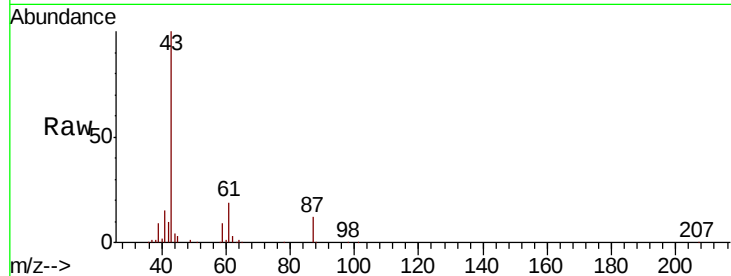


#43

Isopropyl Acetate
 Concen: 19.750 ug/l
 RT: 8.15 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1025WBSD02

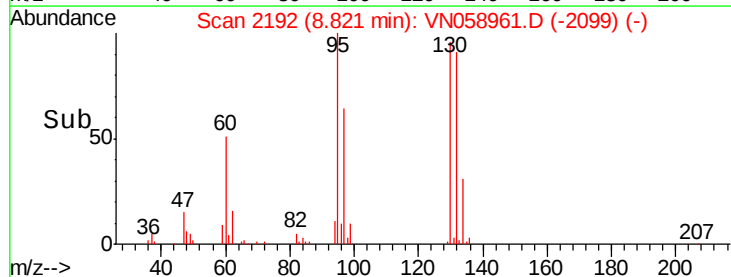
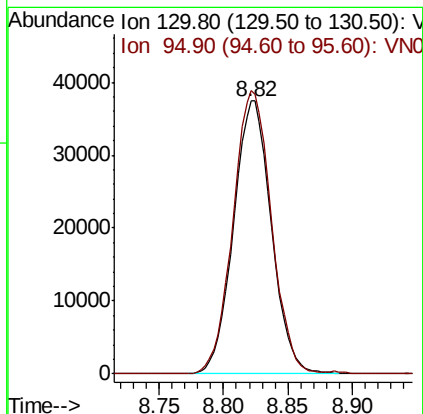
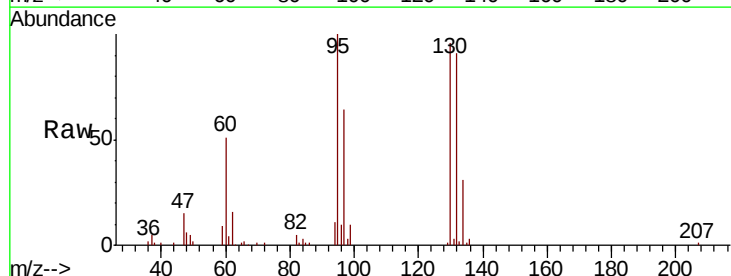
Tot Ion: 43 Resp: 190103
 Ion Ratio Lower Upper
 43 100
 61 25.5 20.2 30.2
 87 11.4 9.5 14.3

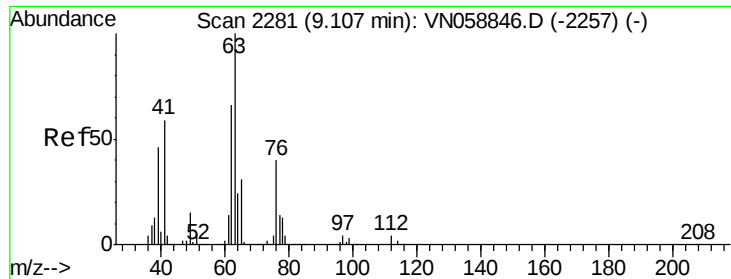


#44

Trichloroethene
 Concen: 19.373 ug/l
 RT: 8.82 min Scan# 2192
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

Tgt Ion:130 Resp: 76332
 Ion Ratio Lower Upper
 130 100
 95 103.7 0.0 209.6





#45

1,2-Dichloropropane

Concen: 20.025 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

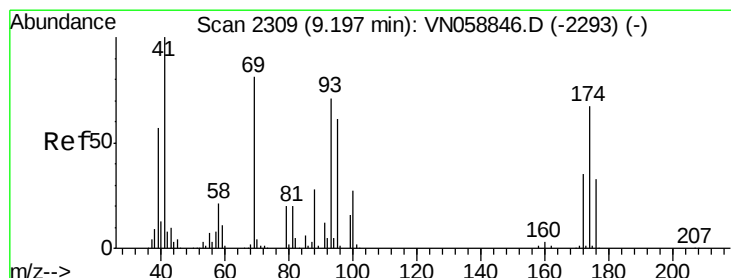
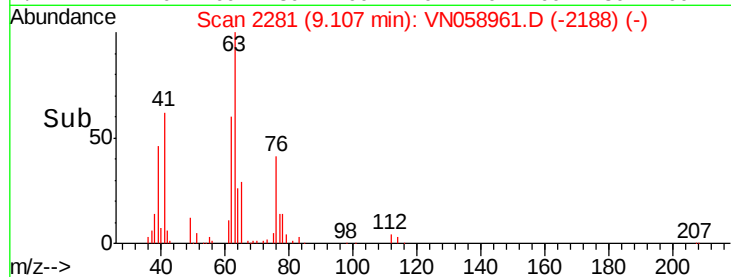
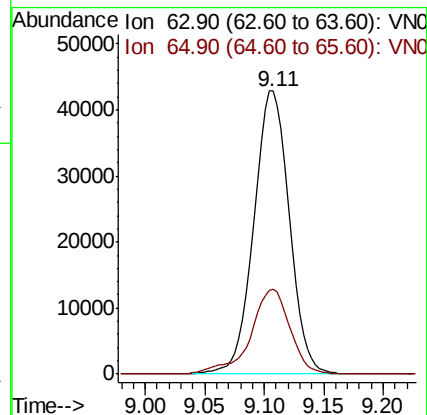
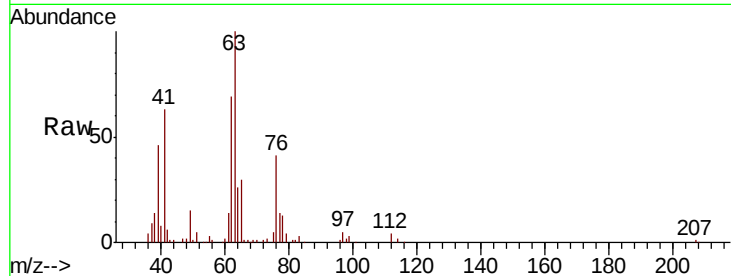
VN1025WBSD02

Tot Ion: 63 Resp: 88817

Ion Ratio Lower Upper

63 100

65 30.1 24.5 36.7



#46

Dibromomethane

Concen: 20.030 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

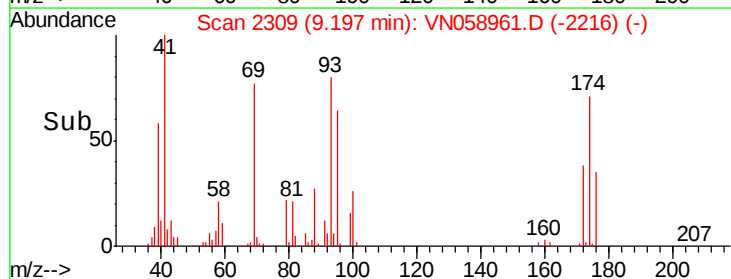
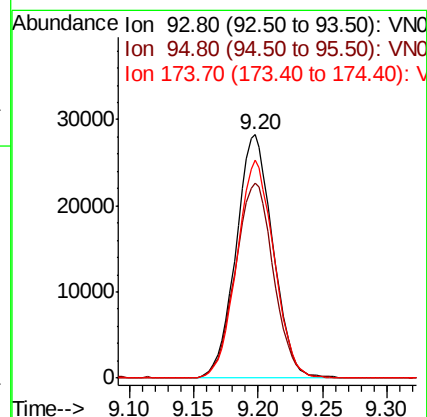
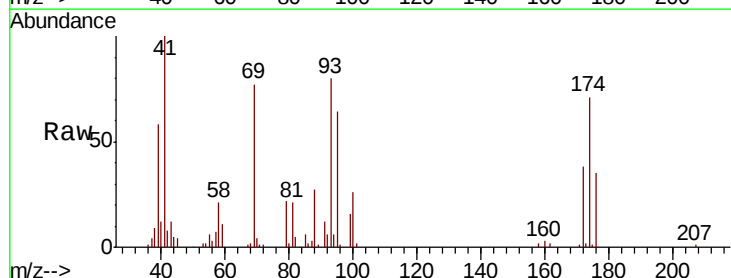
Tgt Ion: 93 Resp: 56163

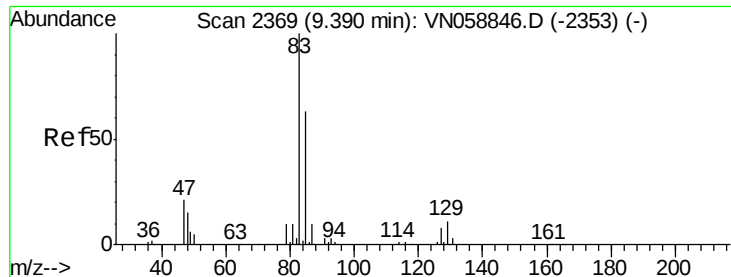
Ion Ratio Lower Upper

93 100

95 83.2 67.6 101.4

174 89.9 74.1 111.1

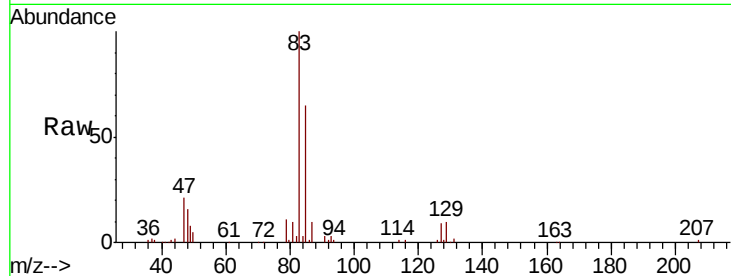




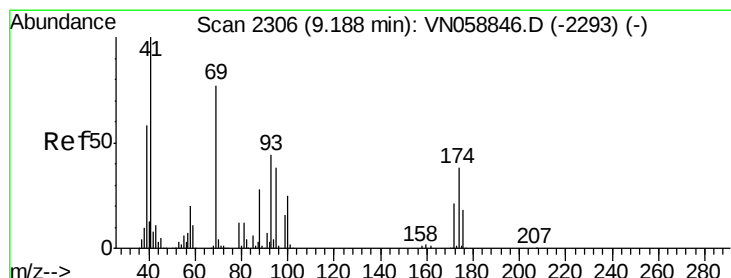
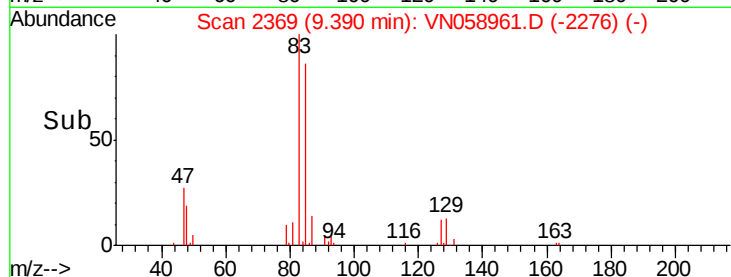
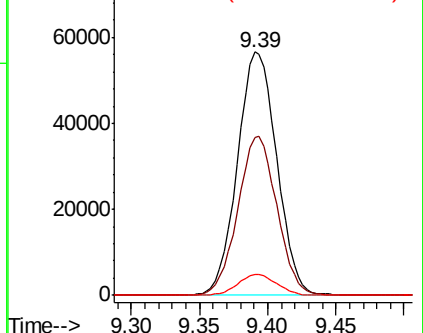
#47
Bromodichloromethane
Concen: 19.618 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

Tot Ion: 83 Resp: 113372
Ion Ratio Lower Upper
83 100
85 65.0 50.6 75.8
127 8.7 6.5 9.7

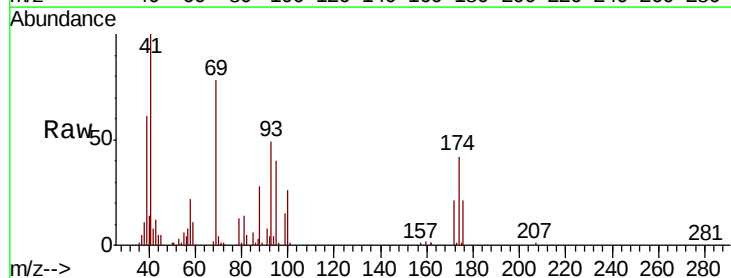


Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 84.90 (84.60 to 85.60): VNC
Ion 126.80 (126.50 to 127.50): V

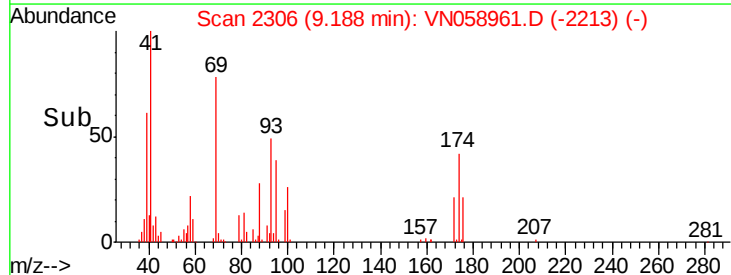
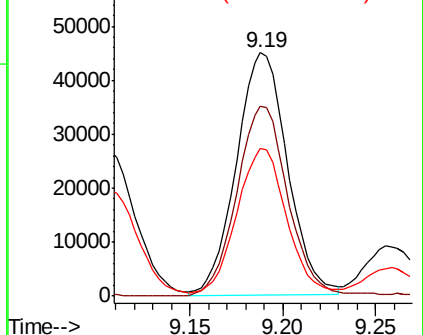


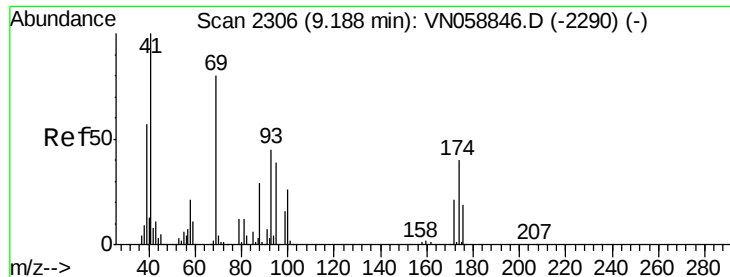
#48
Methyl methacrylate
Concen: 19.762 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Tgt Ion: 41 Resp: 86306
Ion Ratio Lower Upper
41 100
69 78.7 63.8 95.6
39 59.4 47.8 71.8



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





#49

1,4-Dioxane

Concen: 366.926 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

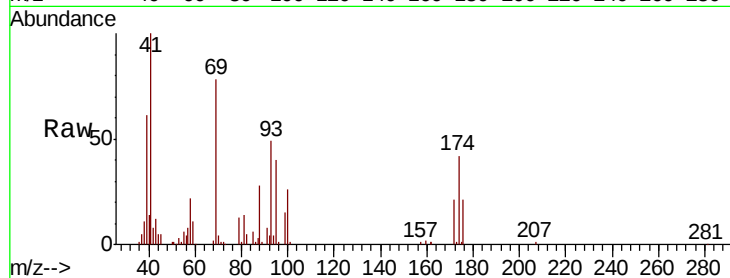
Tot Ion: 88 Resp: 26305

Ion Ratio Lower Upper

88 100

43 40.5 29.1 43.7

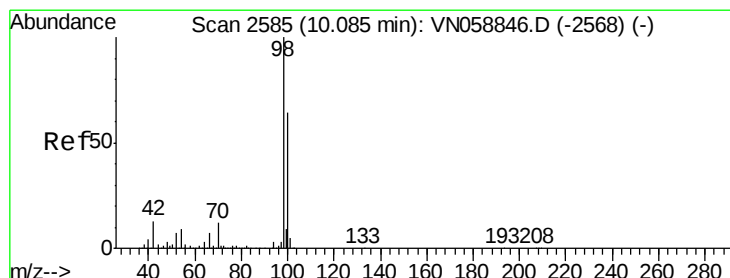
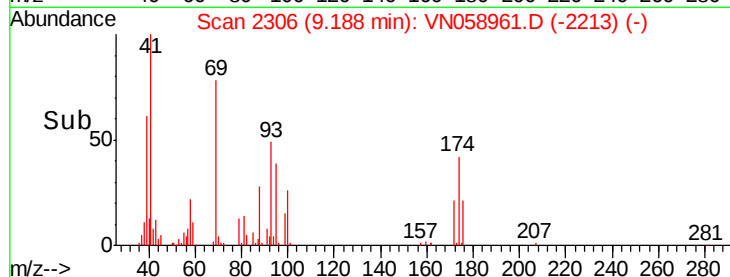
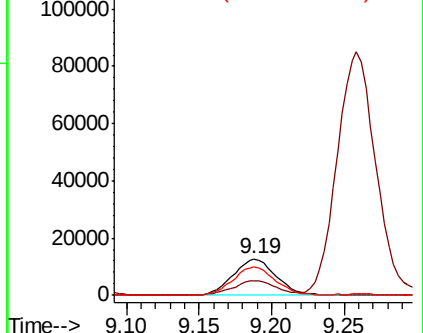
58 76.6 59.4 89.0



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.569 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN058961.D

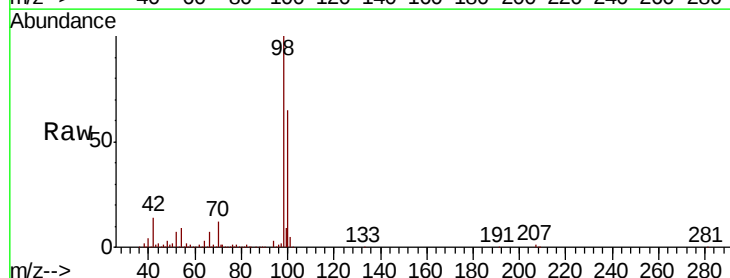
Acq: 24 Oct 2019 15:12

Tgt Ion: 98 Resp: 680648

Ion Ratio Lower Upper

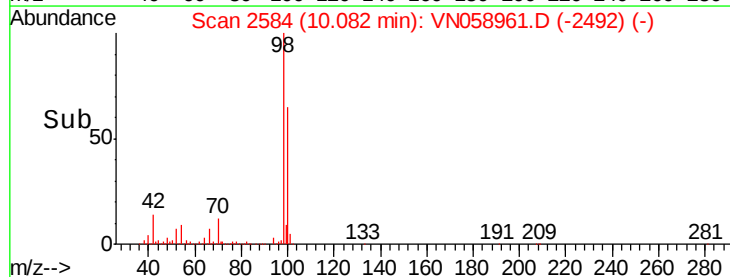
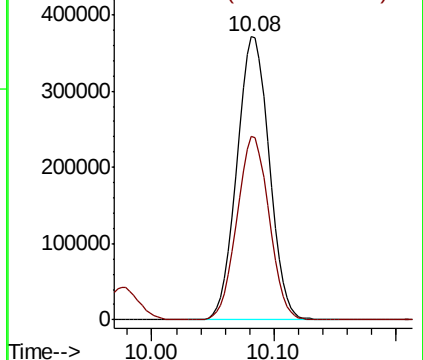
98 100

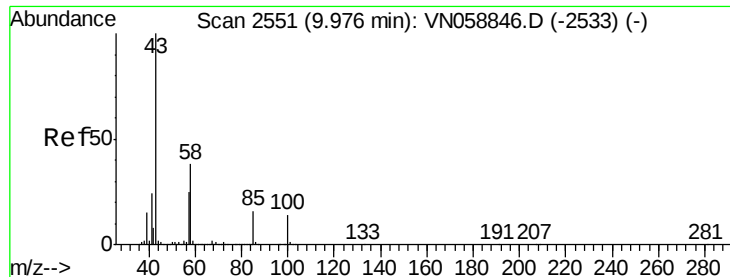
100 64.3 51.4 77.2



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: 106.357 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

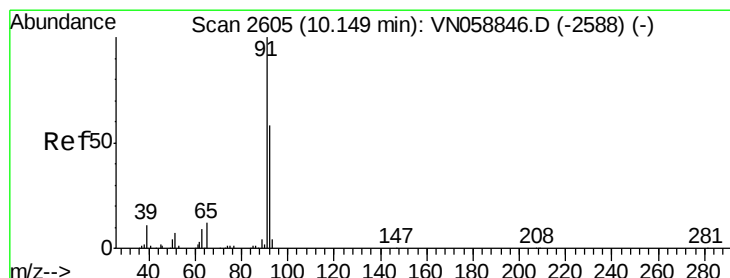
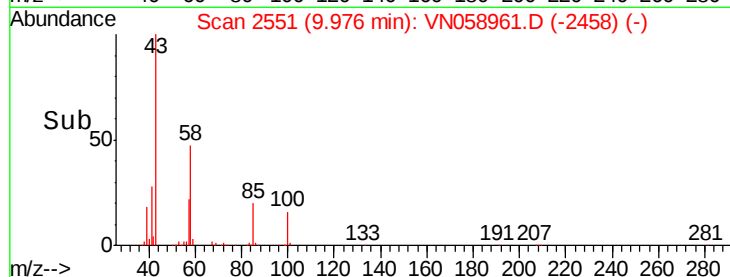
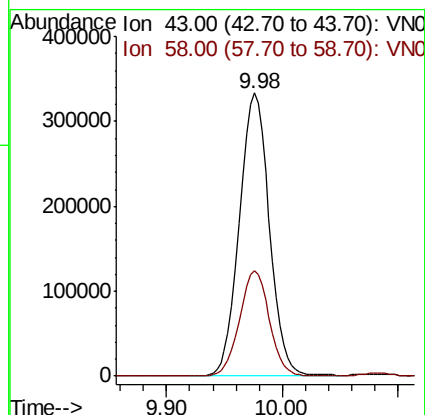
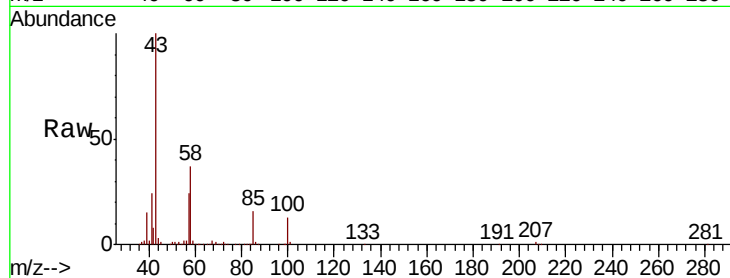
VN1025WBSD02

Tot Ion: 43 Resp: 597967

Ion Ratio Lower Upper

43 100

58 37.0 29.9 44.9



#52

Toluene

Concen: 20.311 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058961.D

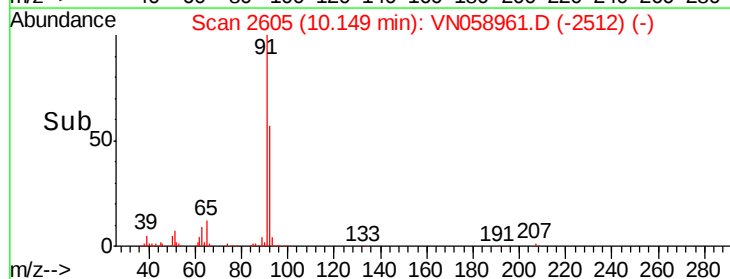
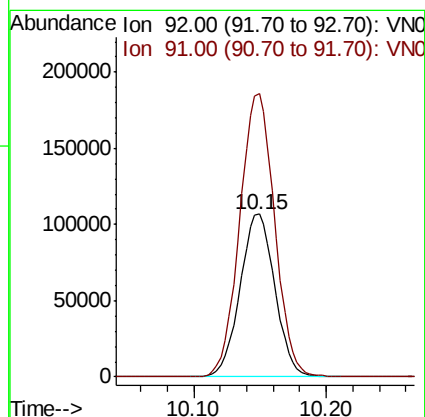
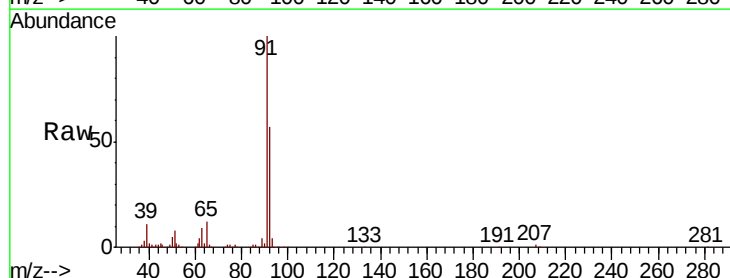
Acq: 24 Oct 2019 15:12

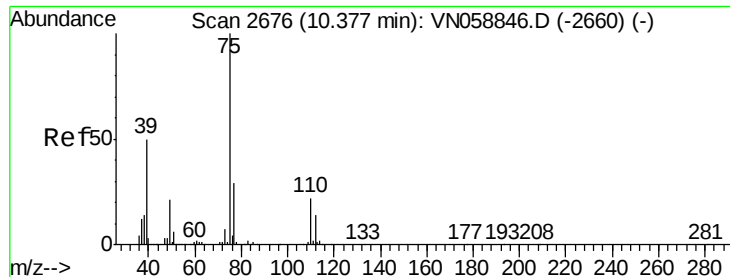
Tgt Ion: 92 Resp: 194824

Ion Ratio Lower Upper

92 100

91 175.1 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 19.601 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

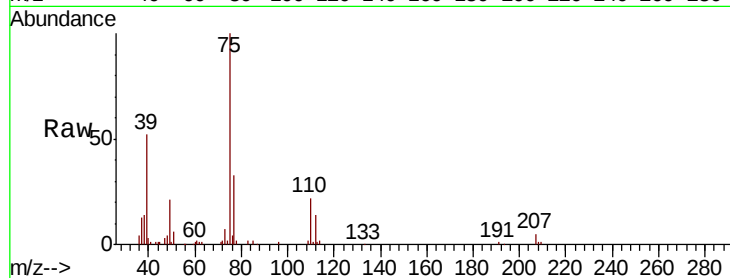
VN1025WBSD02

Tot Ion: 75 Resp: 125398

Ion Ratio Lower Upper

75 100

77 31.4 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

80000

60000

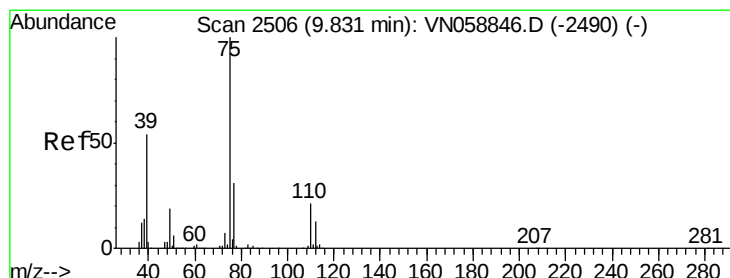
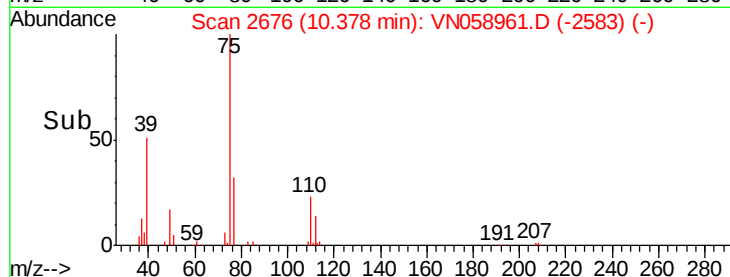
40000

20000

0

Time-->

10.30 10.40 10.50



#54

cis-1,3-Dichloropropene

Concen: 19.465 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

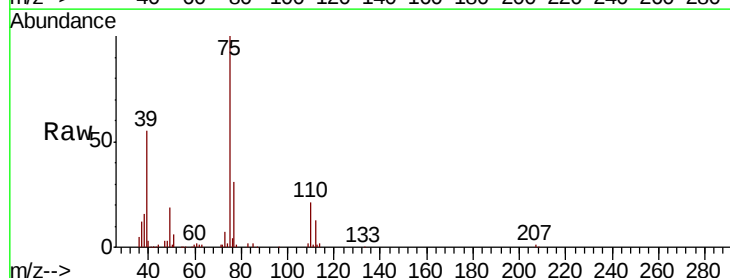
Tgt Ion: 75 Resp: 133039

Ion Ratio Lower Upper

75 100

77 31.0 24.7 37.1

39 55.2 43.5 65.3



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

100000

80000

60000

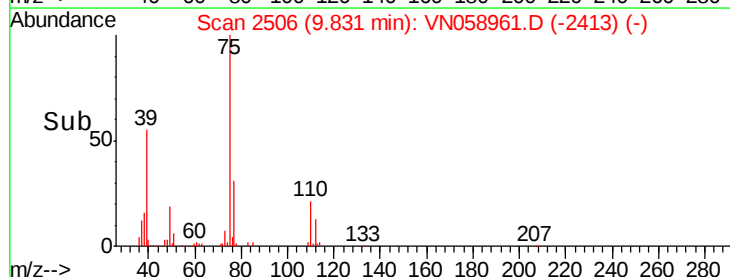
40000

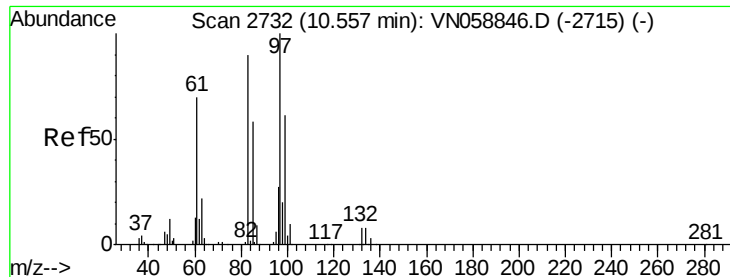
20000

0

Time-->

9.75 9.80 9.85 9.90 9.95





#55

1,1,2-Trichloroethane

Concen: 19.657 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

Tot Ion: 97 Resp: 77674

Ion	Ratio	Lower	Upper
97	100		
83	90.7	72.2	108.4
85	59.0	46.2	69.2
99	65.5	48.7	73.1

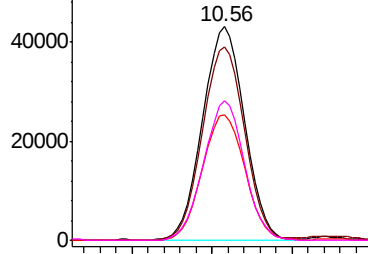
Abundance

Ion 96.90 (96.60 to 97.60): VNO

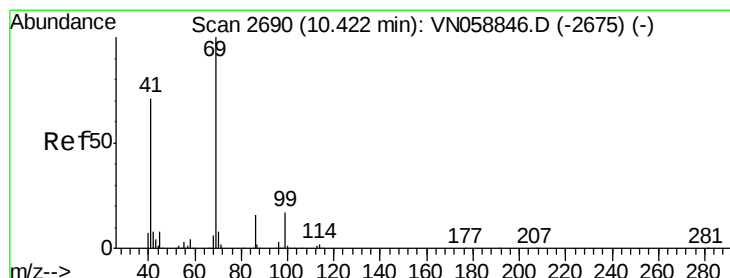
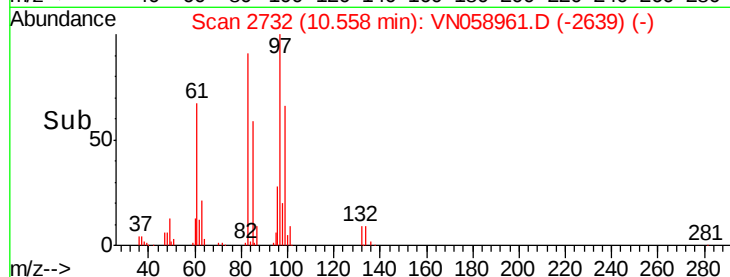
Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



Time-->



#56

Ethyl methacrylate

Concen: 18.508 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Tgt Ion: 69 Resp: 113694

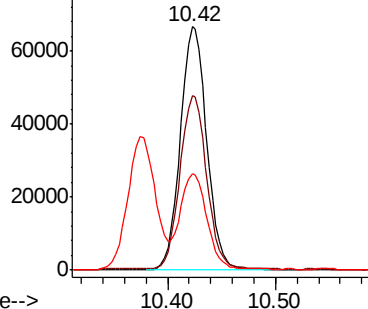
Ion	Ratio	Lower	Upper
69	100		
41	72.2	57.2	85.8
39	38.9	31.0	46.4

Abundance

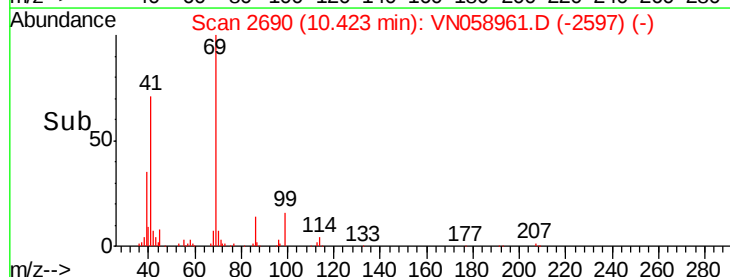
Ion 69.00 (68.70 to 69.70): VNO

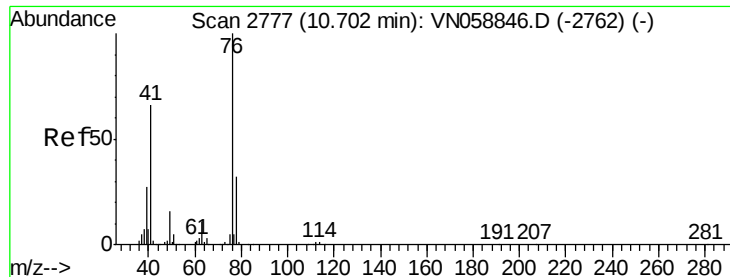
Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO



Time-->





#57

1,3-Dichloropropane

Concen: 19.902 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

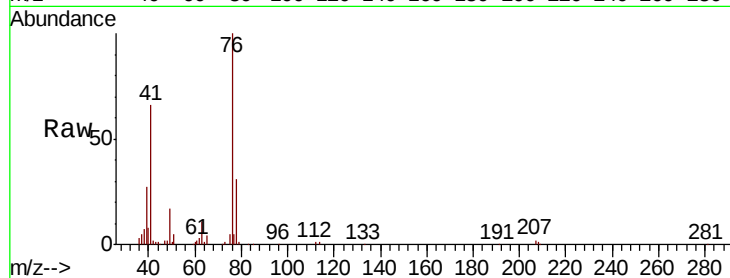
VN1025WBSD02

Tot Ion: 76 Resp: 138025

Ion Ratio Lower Upper

76 100

78 31.5 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

80000

60000

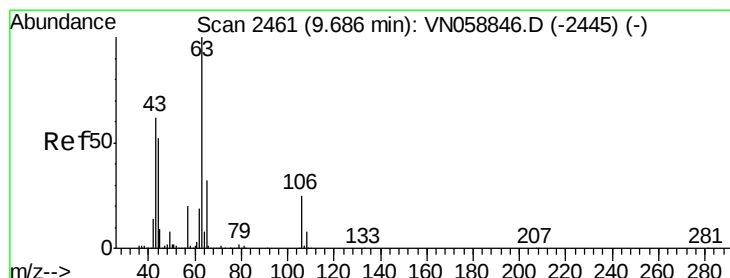
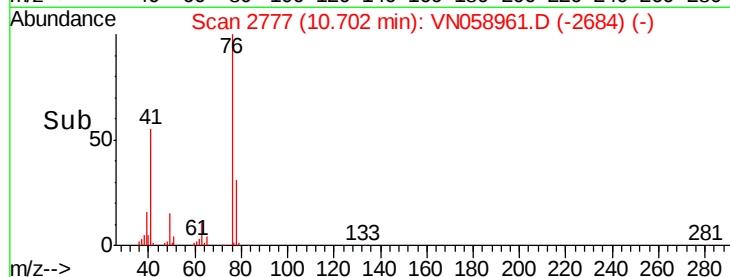
40000

20000

0

10.70

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 93.289 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058961.D

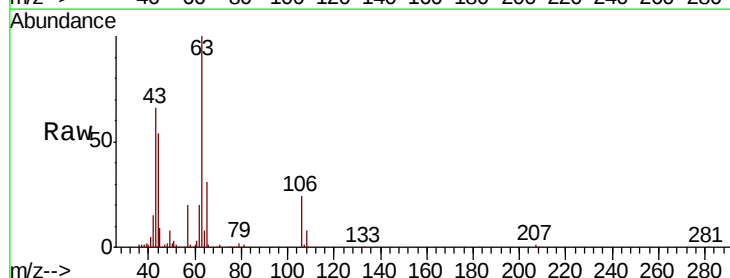
Acq: 24 Oct 2019 15:12

Tgt Ion: 63 Resp: 251293

Ion Ratio Lower Upper

63 100

106 24.4 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

150000

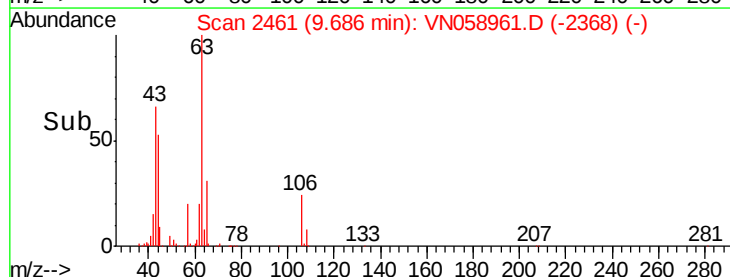
100000

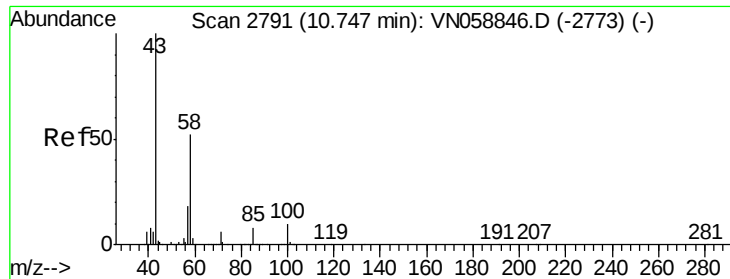
50000

0

9.69

Time--> 9.60 9.65 9.70 9.75

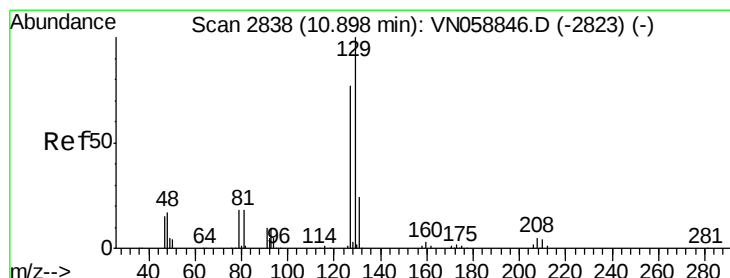
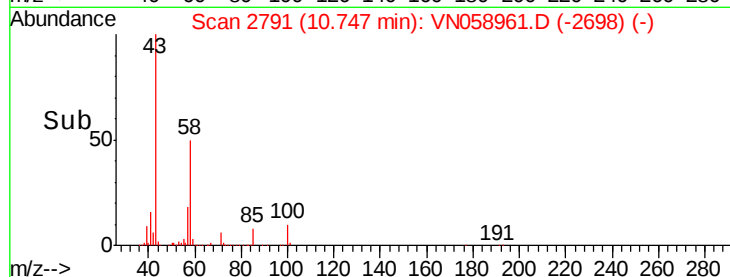
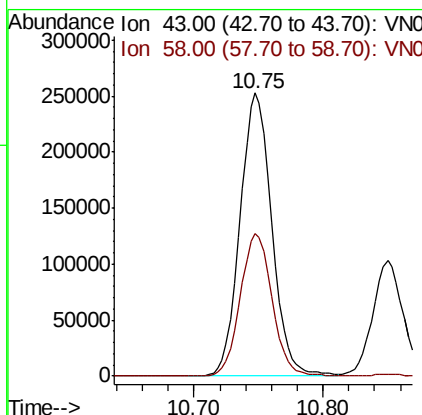
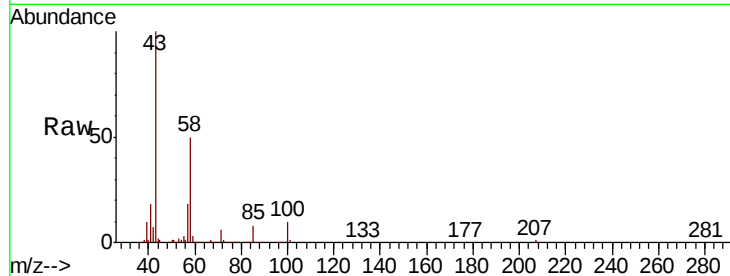




#59
2-Hexanone
Concen: 99.425 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

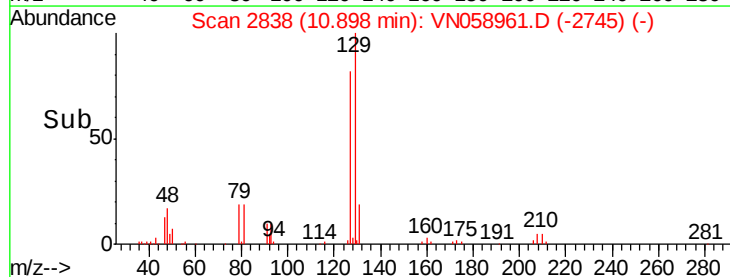
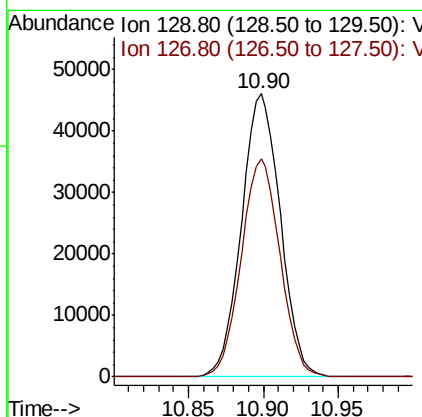
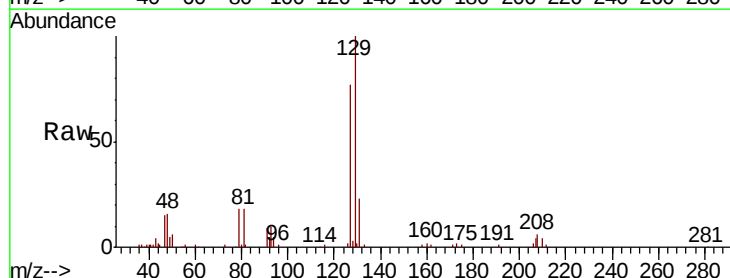
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

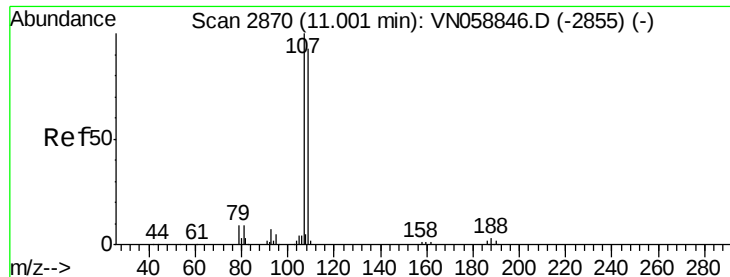
Tot Ion: 43 Resp: 431953
Ion Ratio Lower Upper
43 100
58 50.7 25.9 77.7



#60
Dibromochloromethane
Concen: 19.598 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Tgt Ion: 129 Resp: 83353
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.3





#61

1,2-Dibromoethane

Concen: 19.768 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

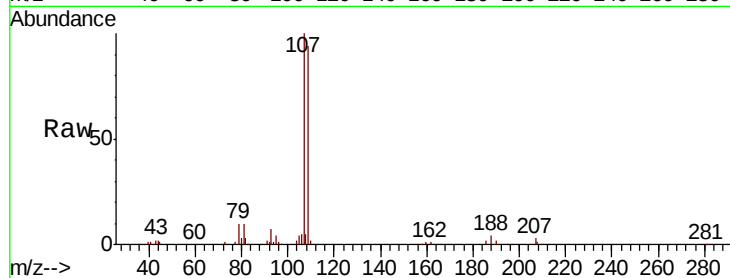
VN1025WBSD02

Tot Ion:107 Resp: 79939

Ion Ratio Lower Upper

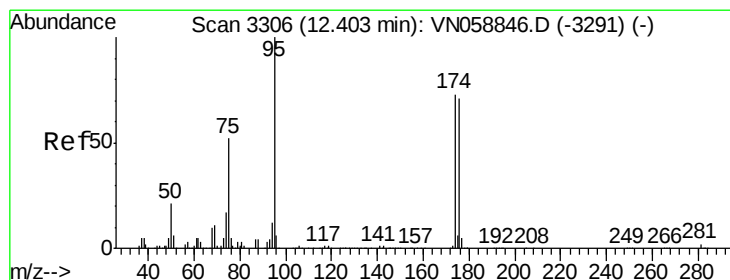
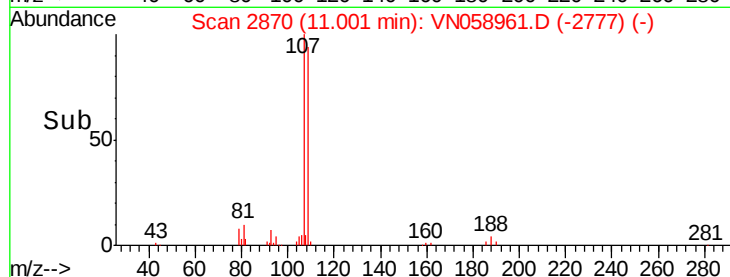
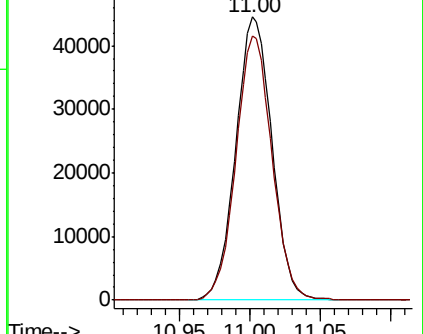
107 100

109 93.1 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.323 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

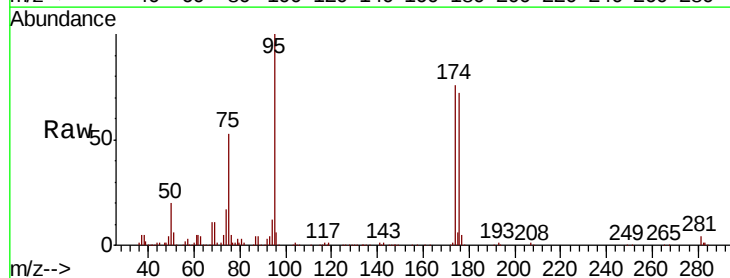
Tgt Ion: 95 Resp: 243670

Ion Ratio Lower Upper

95 100

174 76.1 0.0 147.6

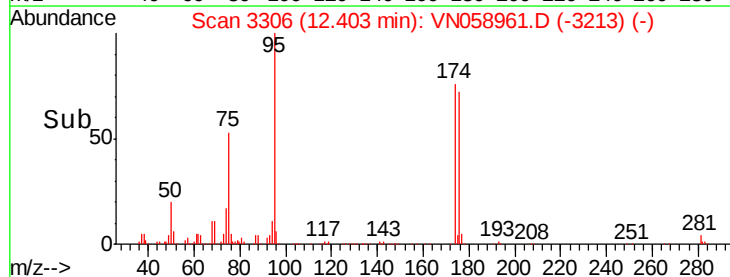
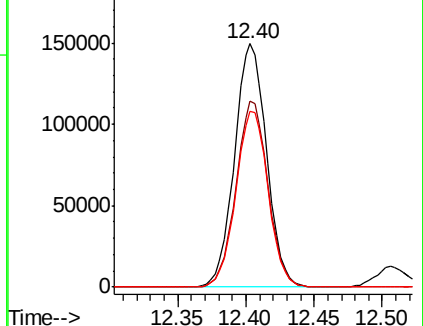
176 72.9 0.0 143.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

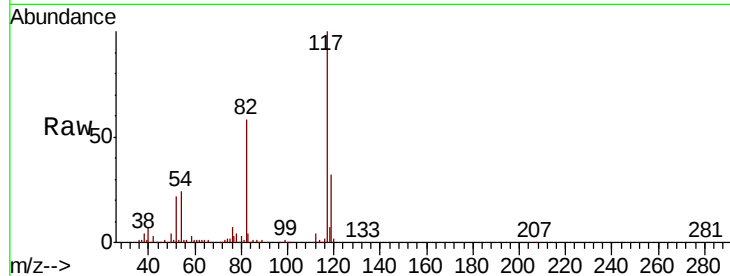




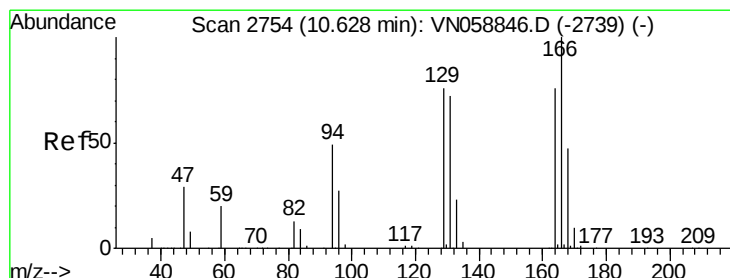
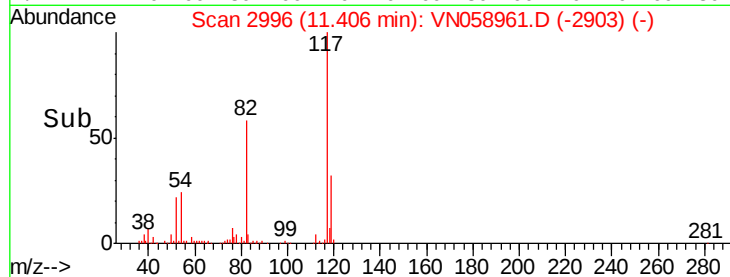
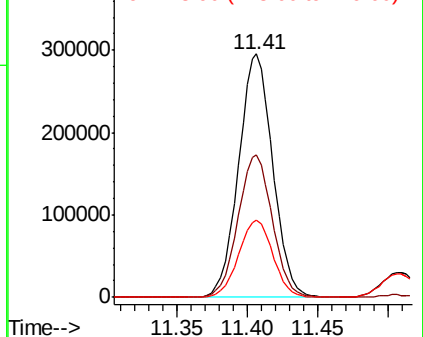
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

Tot Ion:117 Resp: 501984
Ion Ratio Lower Upper
117 100
82 58.4 46.6 69.8
119 31.8 25.6 38.4

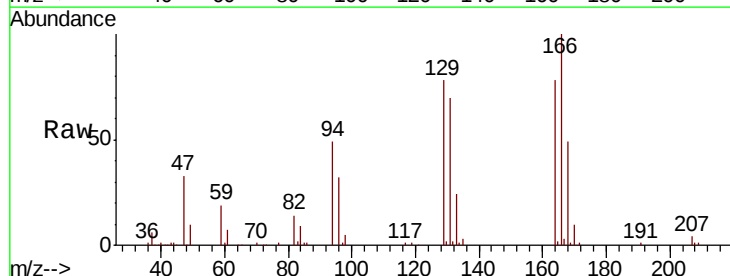


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

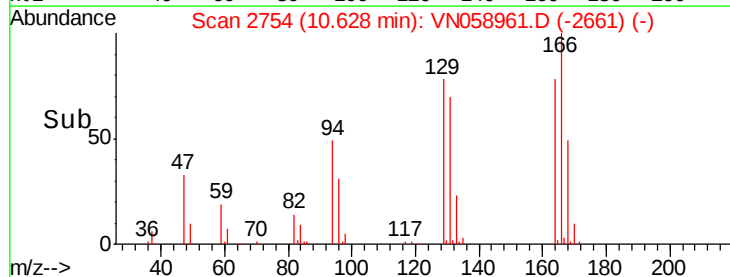
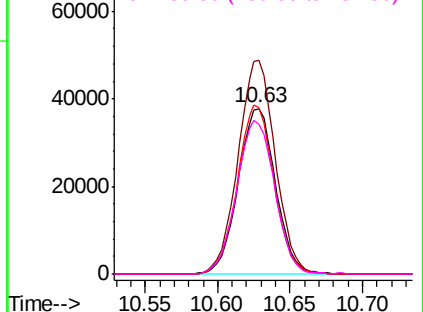


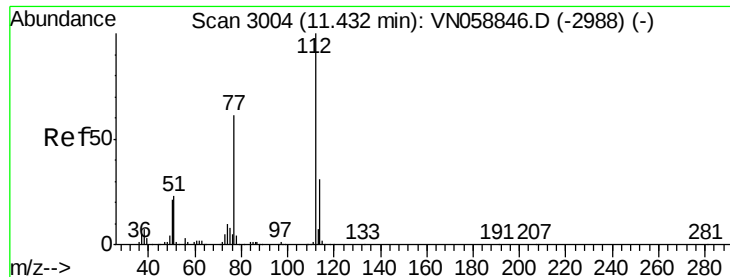
#64
Tetrachloroethene
Concen: 19.230 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Tgt Ion:164 Resp: 67604
Ion Ratio Lower Upper
164 100
166 128.9 104.8 157.2
129 100.3 79.3 118.9
131 90.3 75.8 113.6



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

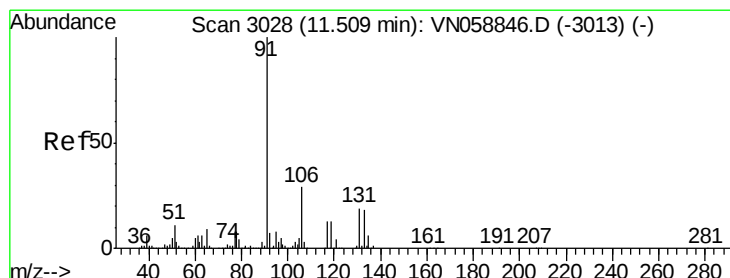
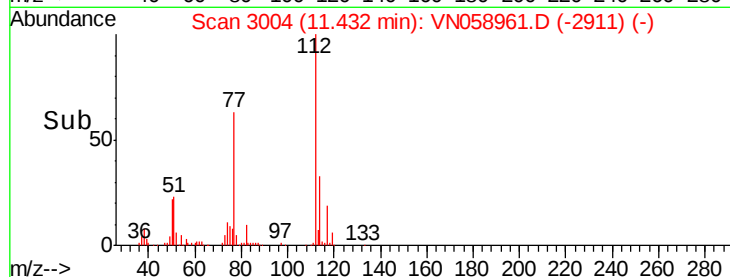
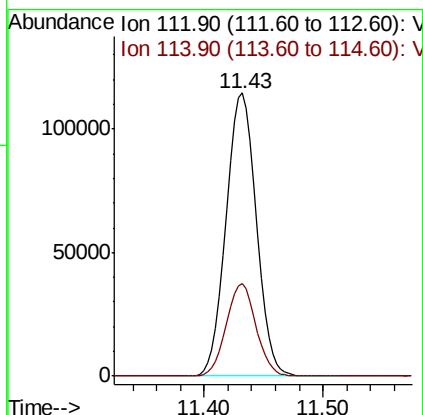
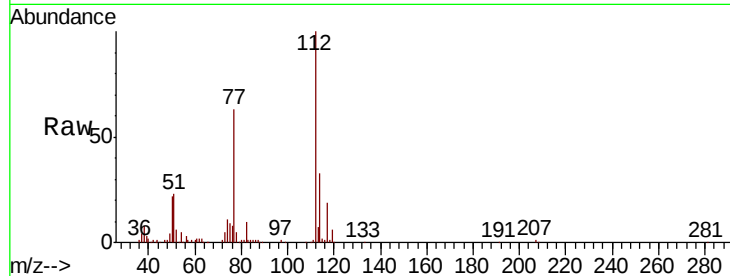




#65
Chlorobenzene
Concen: 19.779 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

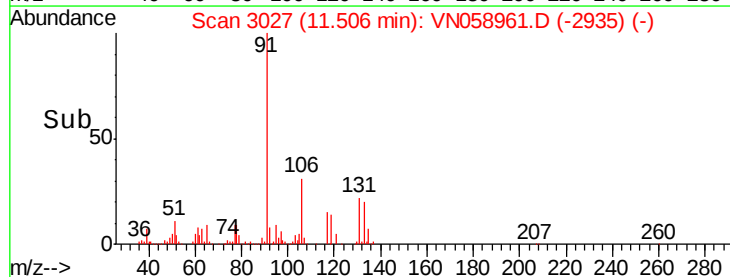
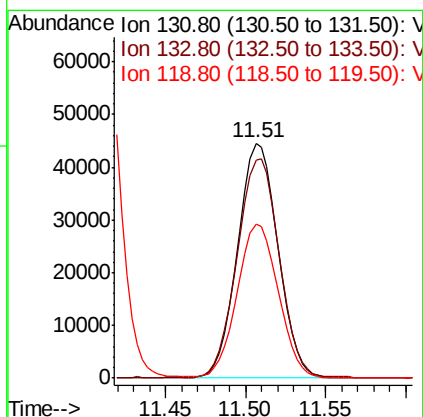
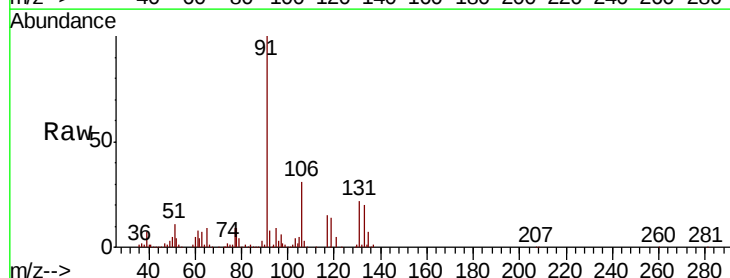
Instrument :
MSVOA_N
ClientSampled :
VN1025WBSD02

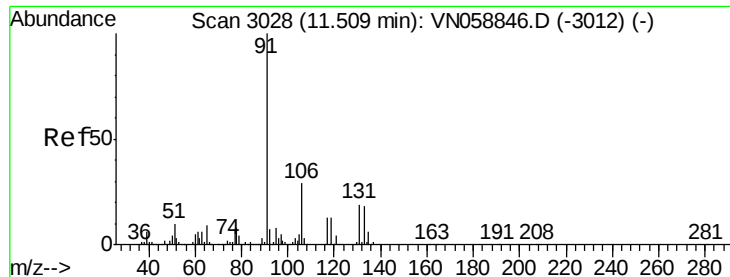
Tot Ion:112 Resp: 202134
Ion Ratio Lower Upper
112 100
114 32.7 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 19.914 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Tgt Ion:131 Resp: 76800
Ion Ratio Lower Upper
131 100
133 96.1 48.4 145.2
119 66.9 33.6 100.8





#67

Ethyl Benzene

Concen: 20.174 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

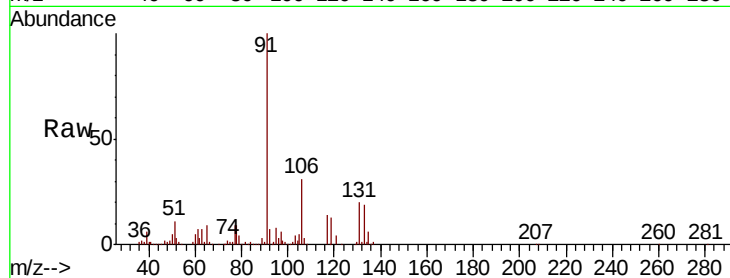
VN1025WBSD02

Tot Ion: 91 Resp: 361668

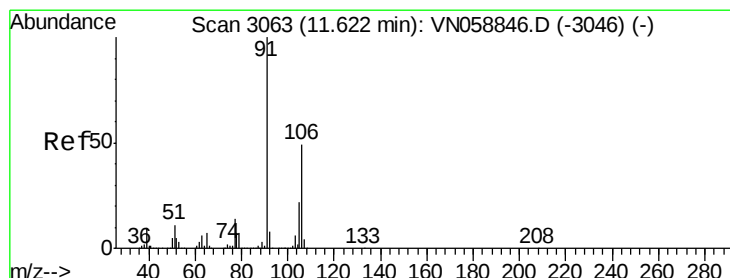
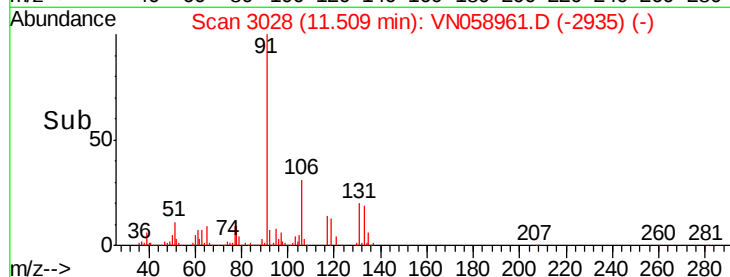
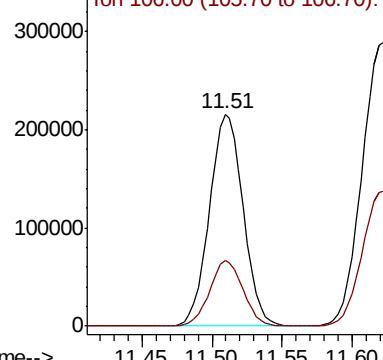
Ion Ratio Lower Upper

91 100

106 30.8 23.4 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3012) (-)



#68

m/p-Xylenes

Concen: 40.091 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058961.D

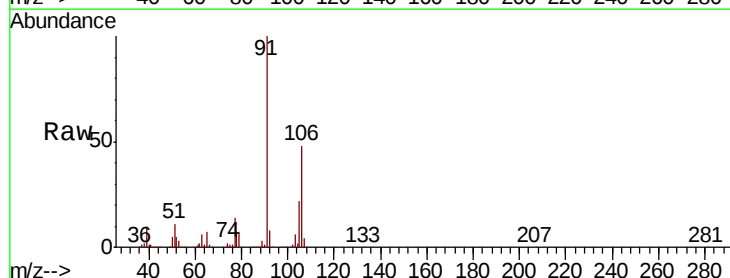
Acq: 24 Oct 2019 15:12

Tgt Ion: 106 Resp: 266546

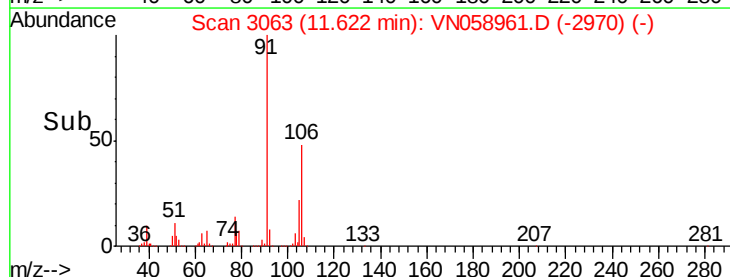
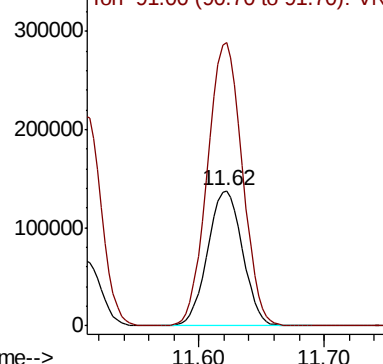
Ion Ratio Lower Upper

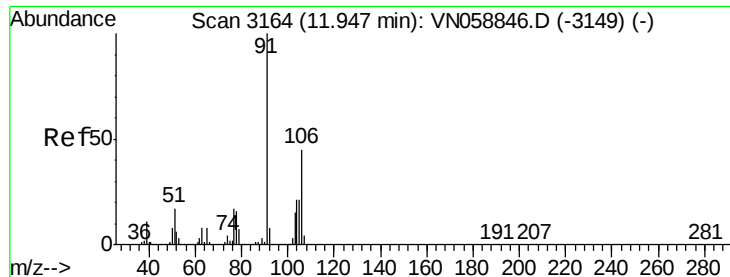
106 100

91 209.2 166.6 249.8



Abundance Ion 106.00 (105.70 to 106.70): VN058846.D (-3046) (-)

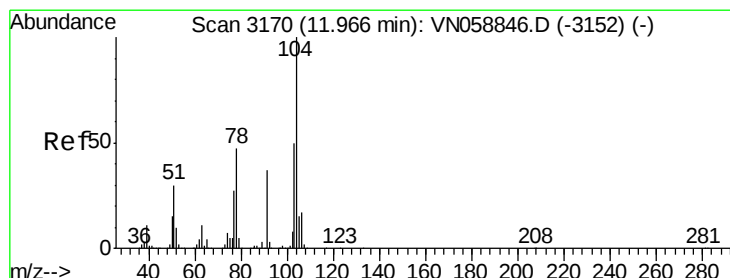
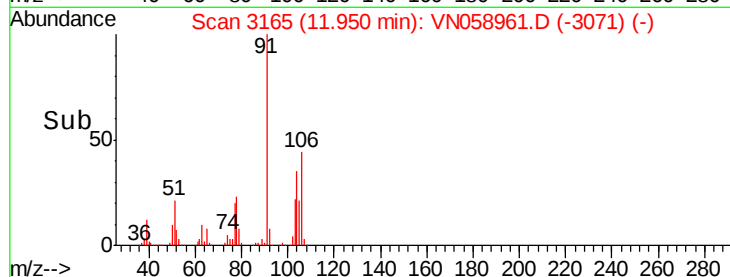
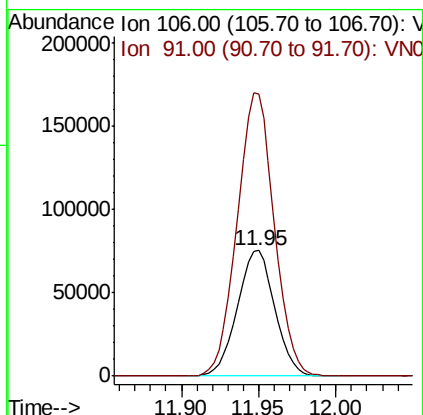
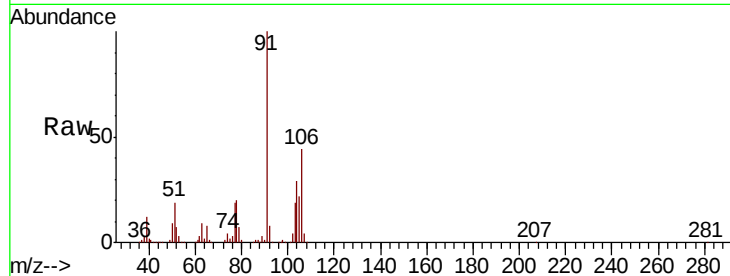




#69
o-Xylene
Concen: 19.947 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

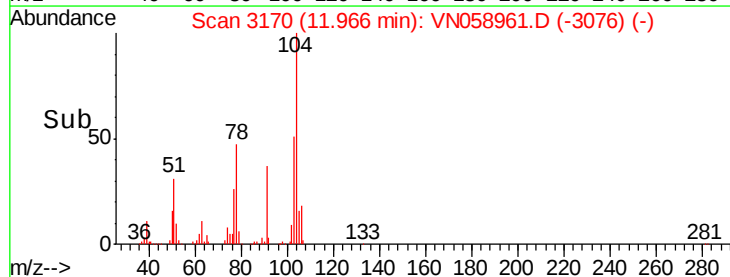
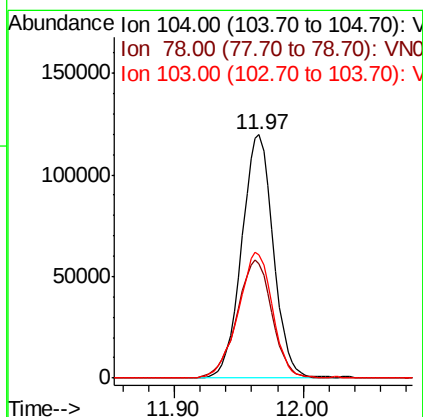
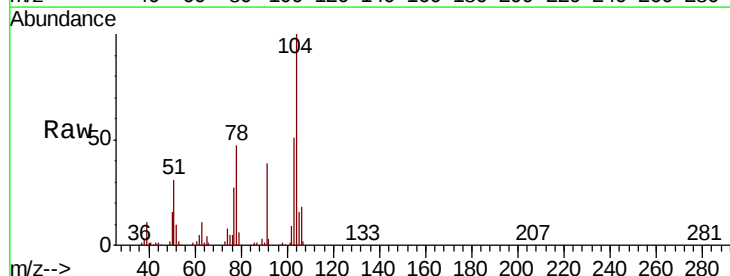
Instrument :
MSVOA_N
ClientSampled :
VN1025WBSD02

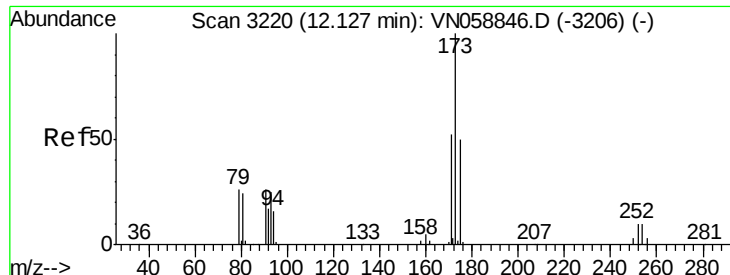
Tot Ion:106 Resp: 126480
Ion Ratio Lower Upper
106 100
91 223.2 111.5 334.4



#70
Styrene
Concen: 18.599 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Tgt Ion:104 Resp: 204643
Ion Ratio Lower Upper
104 100
78 53.9 42.8 64.2
103 56.1 44.3 66.5

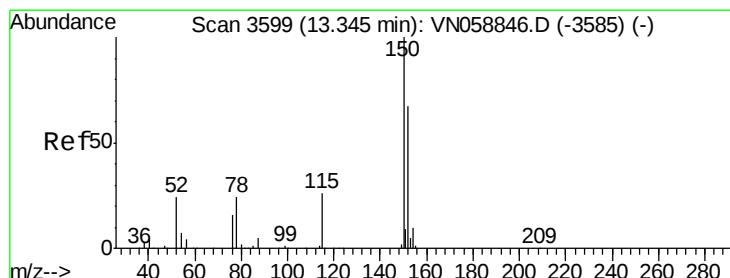
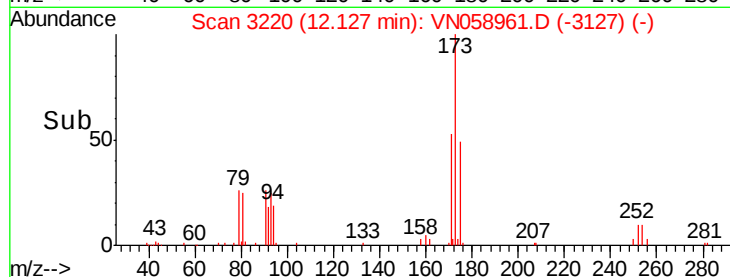
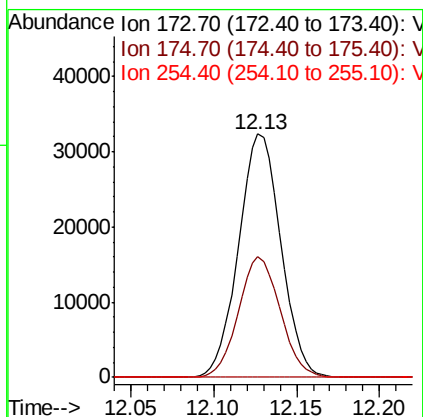
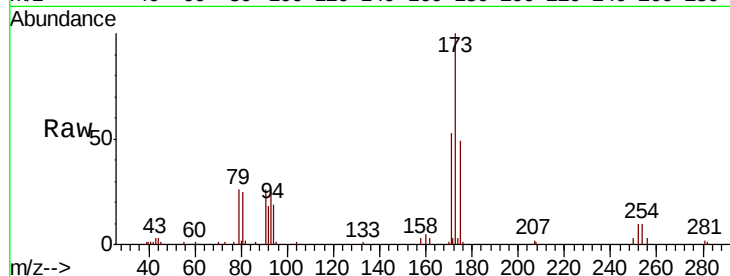




#71
Bromoform
Concen: 19.173 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

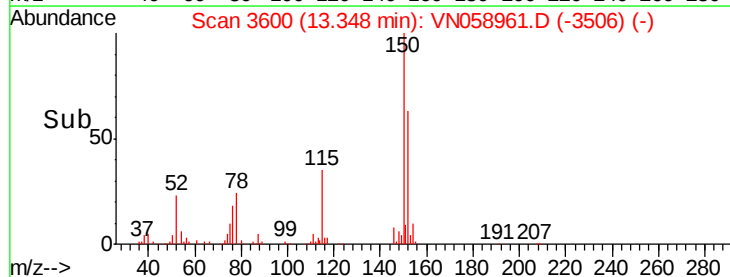
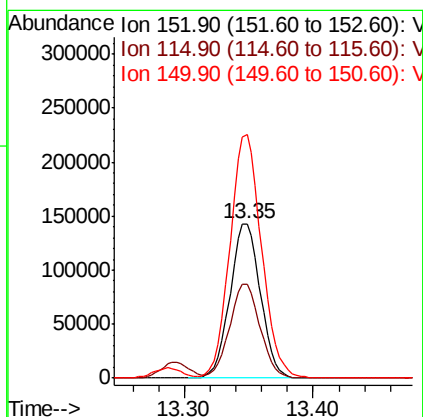
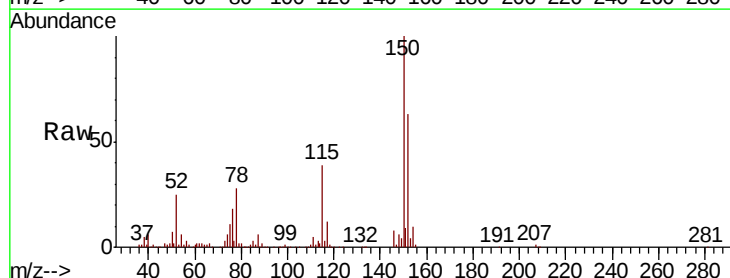
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

Tot Ion:173 Resp: 57336
Ion Ratio Lower Upper
173 100
175 48.6 24.7 74.1
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Tgt Ion:152 Resp: 233788
Ion Ratio Lower Upper
152 100
115 60.9 30.5 91.5
150 163.8 0.0 344.4





#73

Isopropylbenzene

Concen: 20.359 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

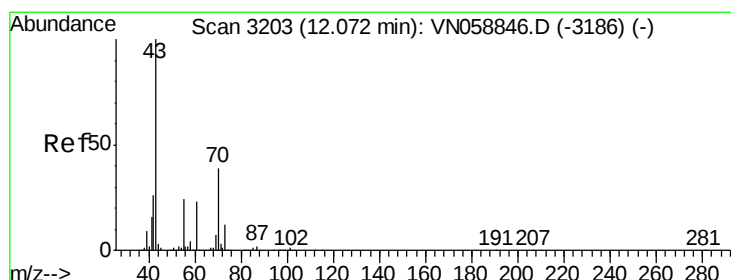
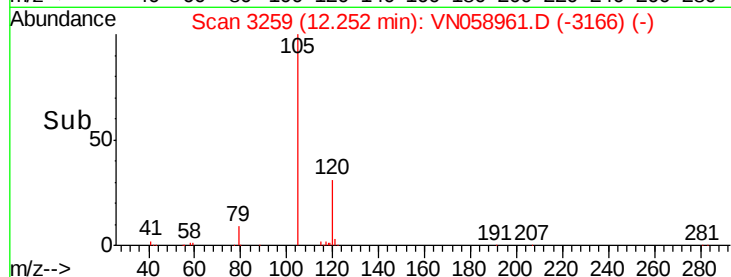
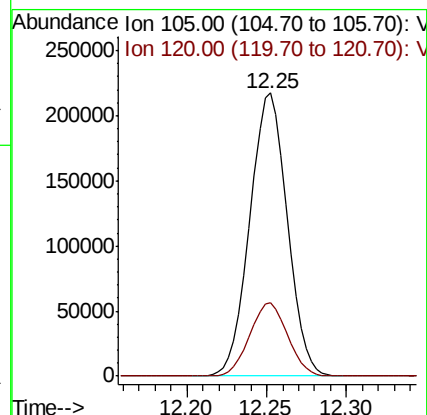
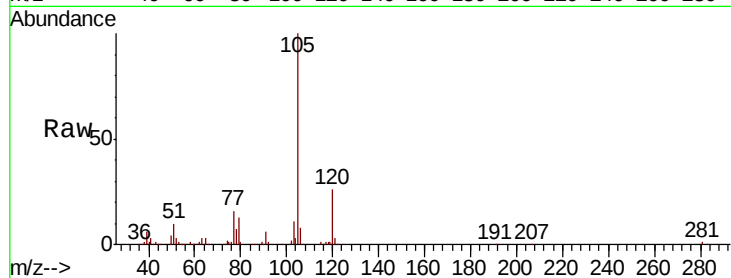
VN1025WBSD02

Tot Ion: 105 Resp: 347843

Ion Ratio Lower Upper

105 100

120 26.2 12.8 38.4



#74

N-ethyl acetate

Concen: 19.739 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Tgt Ion: 43 Resp: 152892

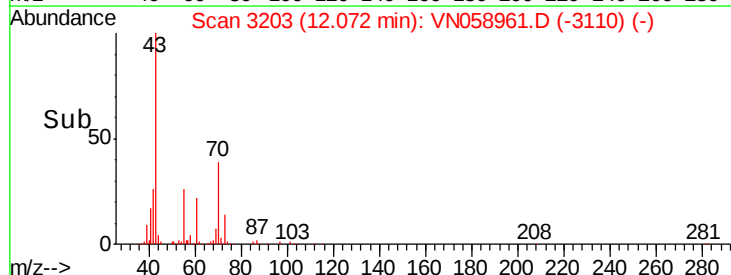
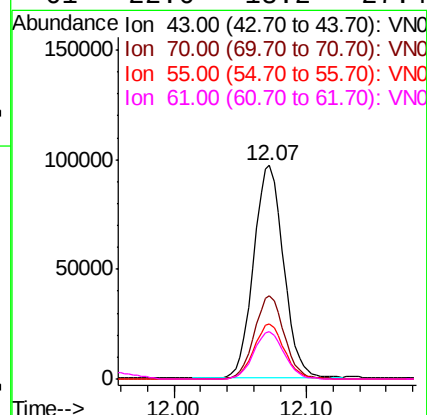
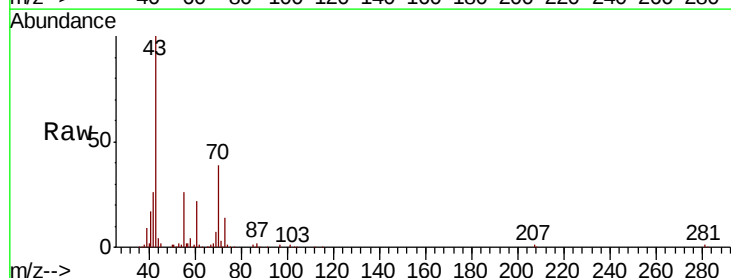
Ion Ratio Lower Upper

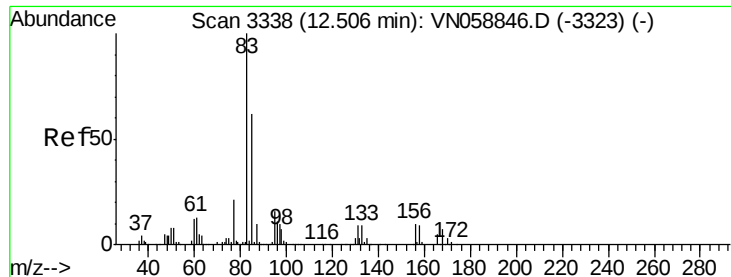
43 100

70 38.9 30.9 46.3

55 26.1 19.7 29.5

61 22.6 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.334 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

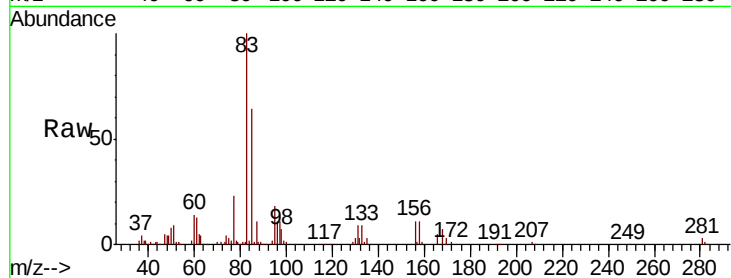
Tot Ion: 83 Resp: 122157

Ion Ratio Lower Upper

83 100

131 9.5 4.7 14.1

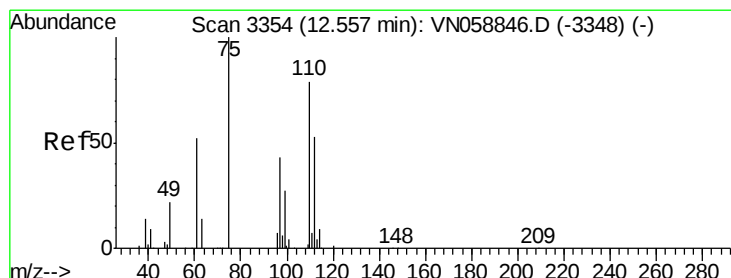
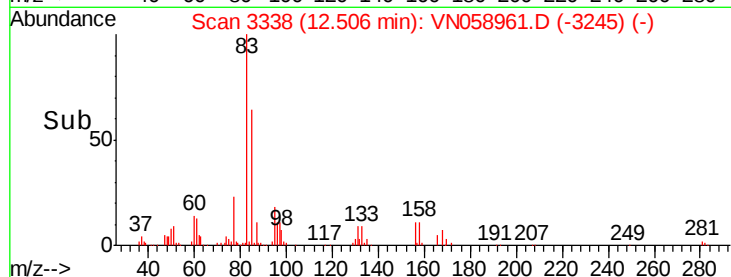
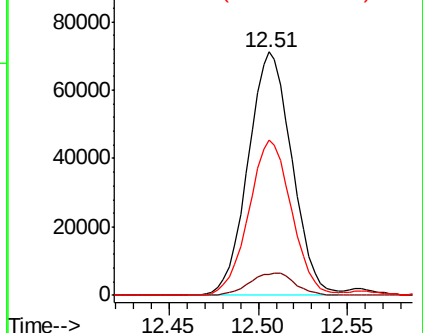
85 62.3 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VN058961.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN058961.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN058961.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 29.222 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058961.D

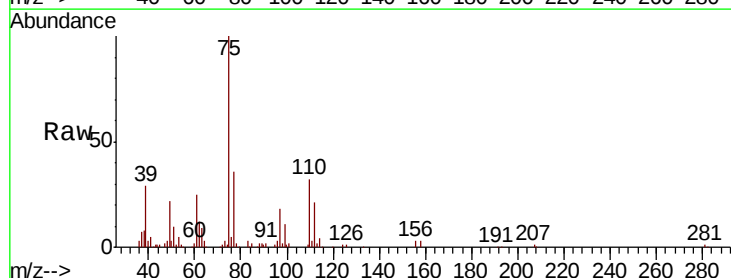
Acq: 24 Oct 2019 15:12

Tgt Ion: 75 Resp: 158335

Ion Ratio Lower Upper

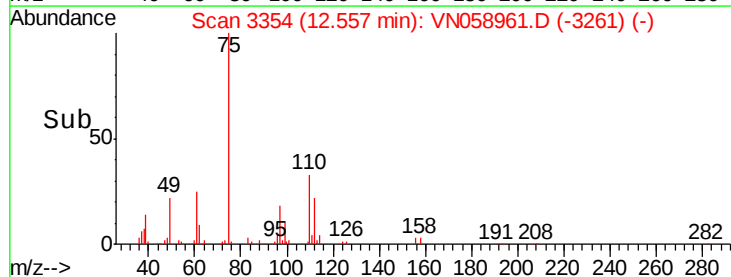
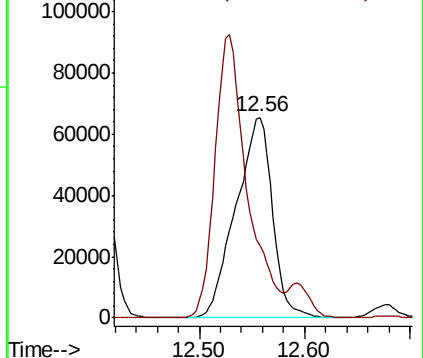
75 100

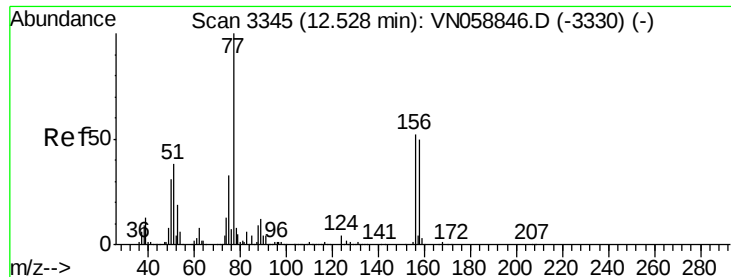
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058961.D (-3261) (-)

Ion 77.00 (76.70 to 77.70): VN058961.D (-3261) (-)





#77

Bromobenzene

Concen: 19.868 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

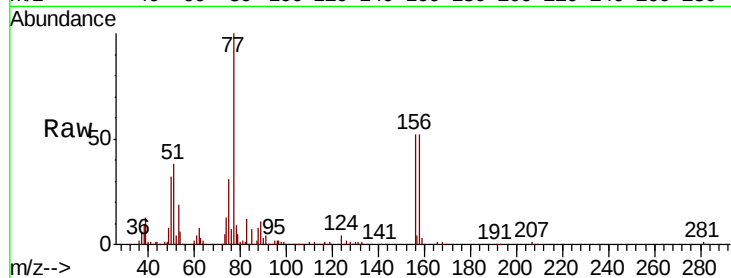
Tot Ion:156 Resp: 83668

Ion Ratio Lower Upper

156 100

77 235.2 118.0 354.0

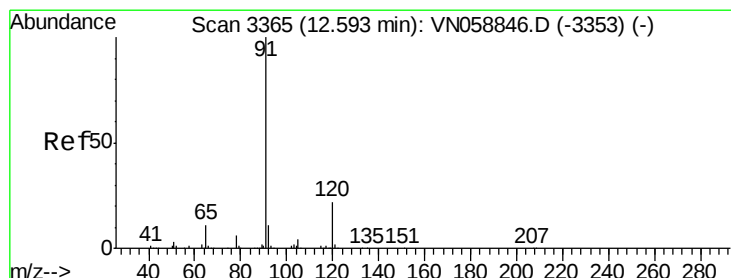
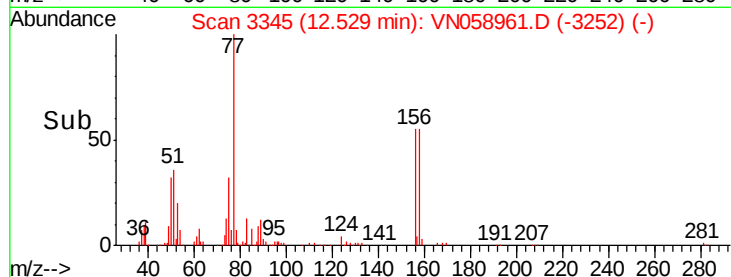
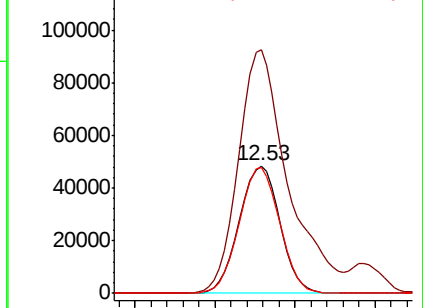
158 98.5 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.293 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058961.D

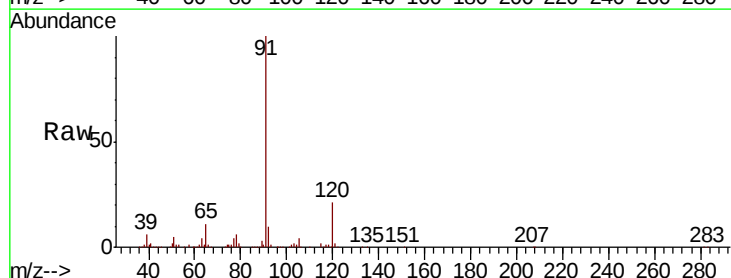
Acq: 24 Oct 2019 15:12

Tgt Ion: 91 Resp: 409827

Ion Ratio Lower Upper

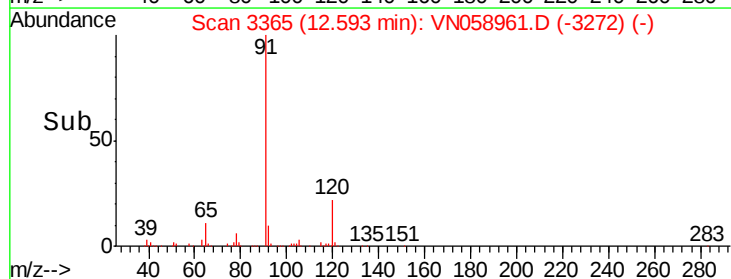
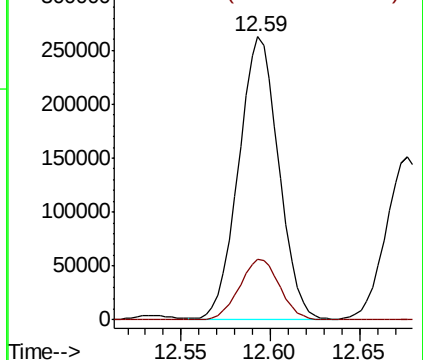
91 100

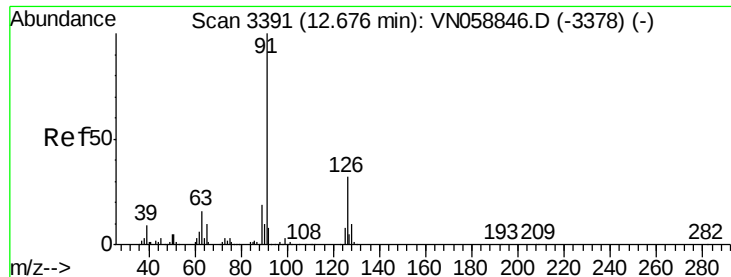
120 21.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

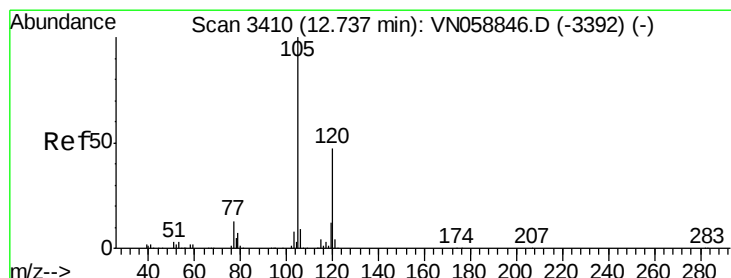
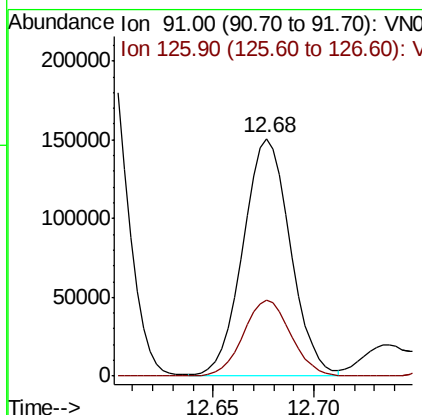
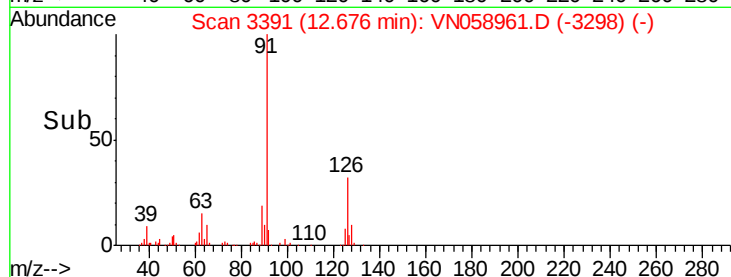
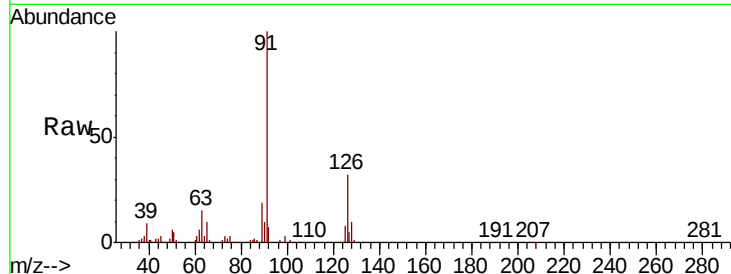




#79
 2-Chlorotoluene
 Concen: 19.910 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

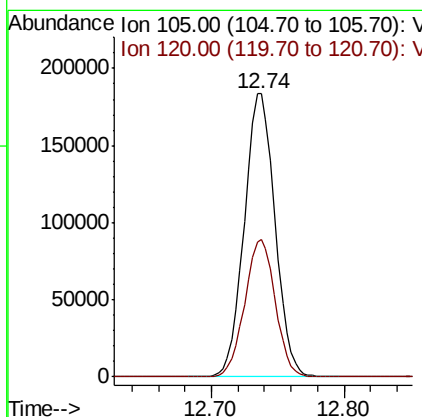
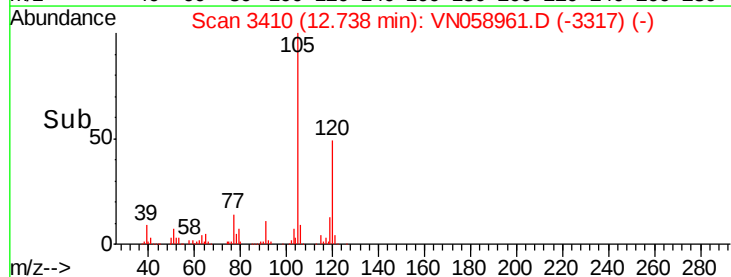
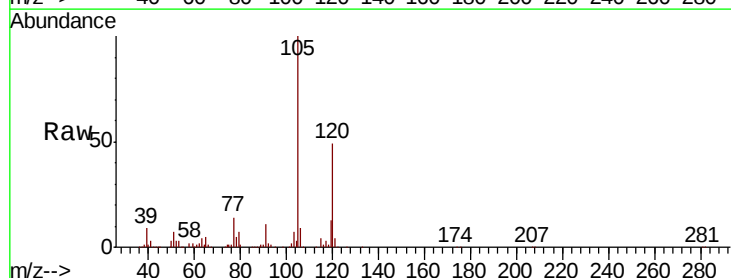
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD02

Tot Ion: 91 Resp: 246102
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.2 48.6



#80
 1,3,5-Trimethylbenzene
 Concen: 20.476 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

Tgt Ion: 105 Resp: 293930
 Ion Ratio Lower Upper
 105 100
 120 48.2 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 18.657 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

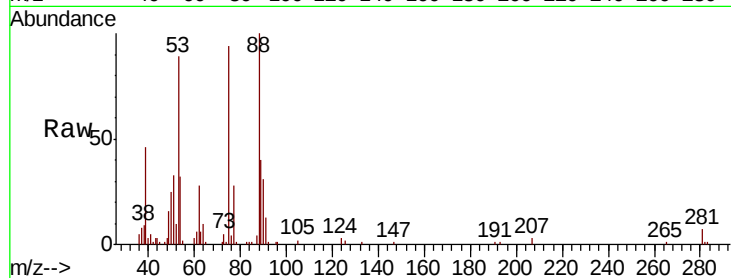
Tot Ion: 75 Resp: 38805

Ion Ratio Lower Upper

75 100

53 100.2 78.6 118.0

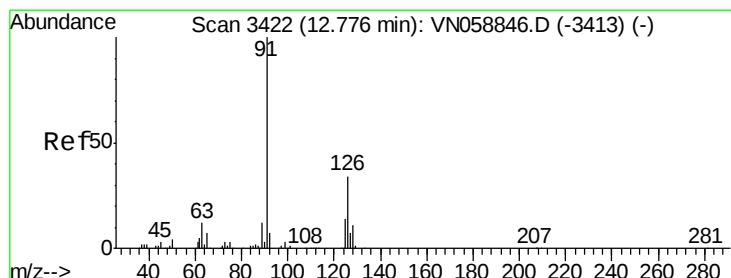
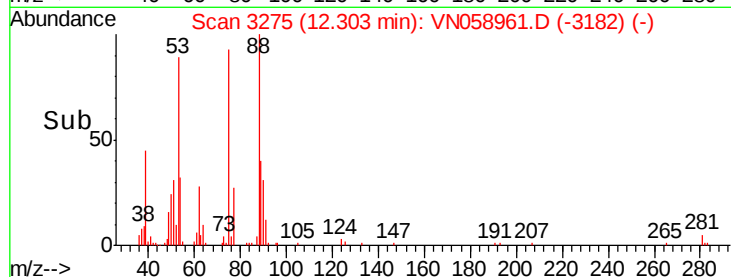
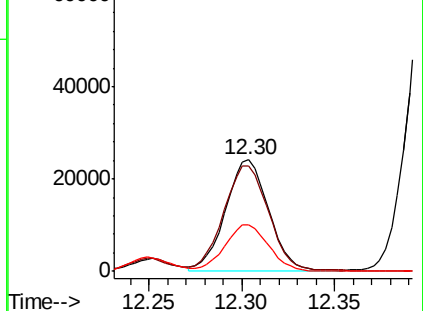
89 42.9 35.4 53.0



Abundance Ion 74.90 (74.60 to 75.60): VN058846.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN058846.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN058846.D (-3265) (-)



#82

4-Chlorotoluene

Concen: 19.798 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058961.D

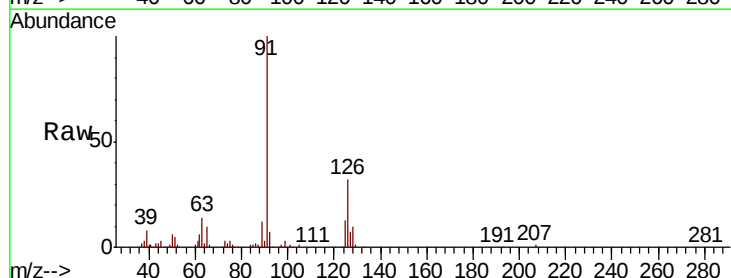
Acq: 24 Oct 2019 15:12

Tgt Ion: 91 Resp: 250084

Ion Ratio Lower Upper

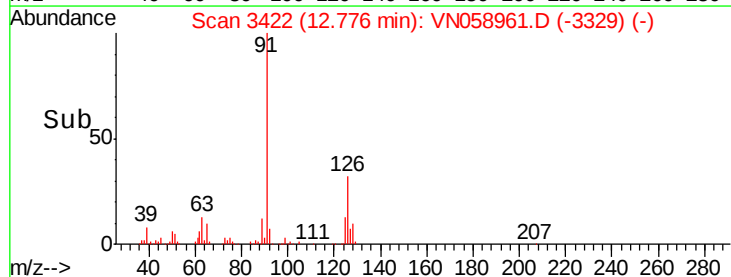
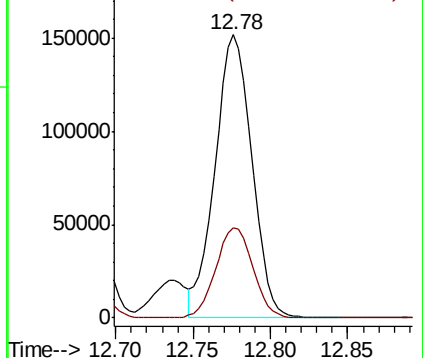
91 100

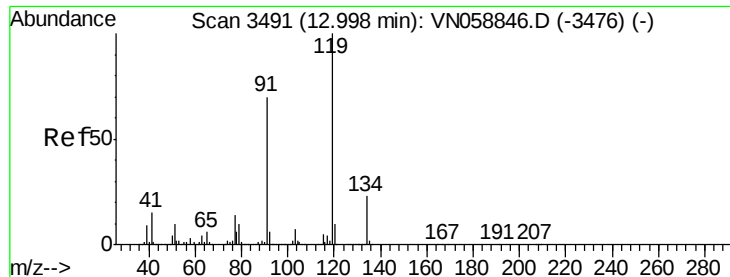
126 32.2 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3413) (-)

Ion 125.90 (125.60 to 126.60): VN058846.D (-3413) (-)





#83

tert-Butylbenzene

Concen: 20.635 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

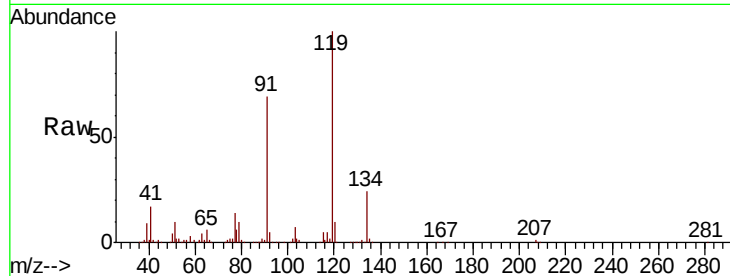
Tot Ion:119 Resp: 253302

Ion Ratio Lower Upper

119 100

91 67.1 34.1 102.3

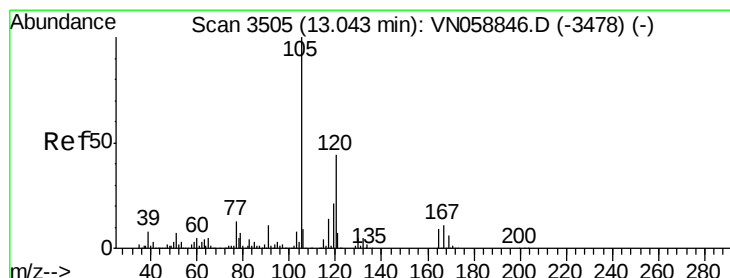
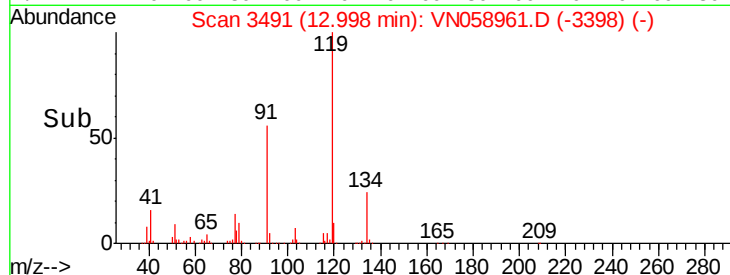
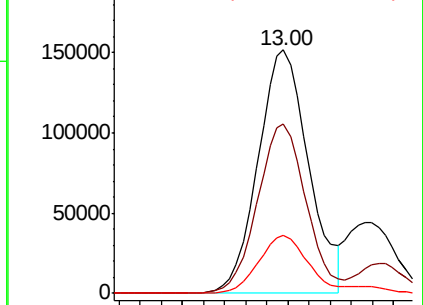
134 23.2 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.785 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN058961.D

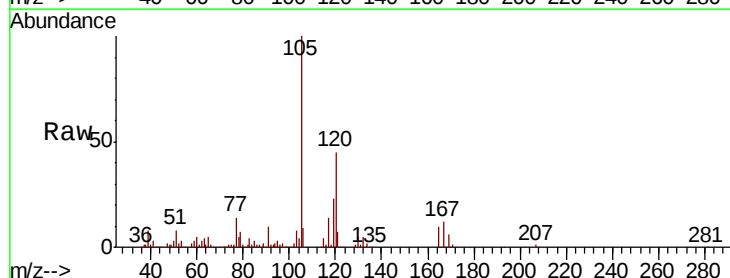
Acq: 24 Oct 2019 15:12

Tgt Ion:105 Resp: 294299

Ion Ratio Lower Upper

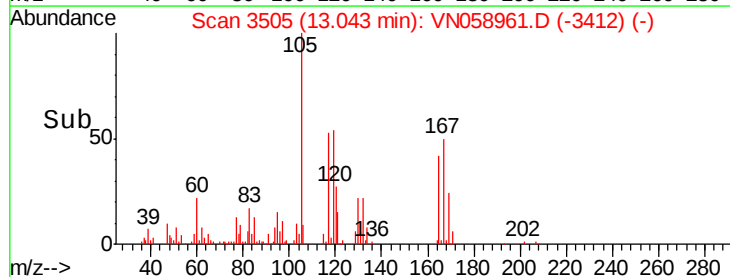
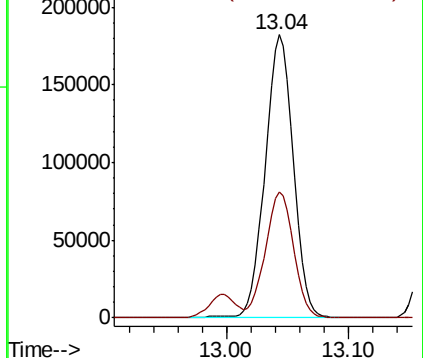
105 100

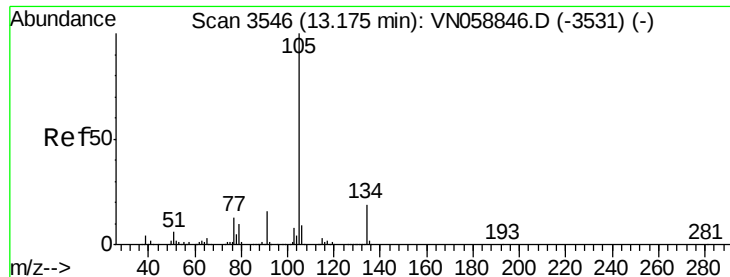
120 44.5 21.9 65.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.288 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

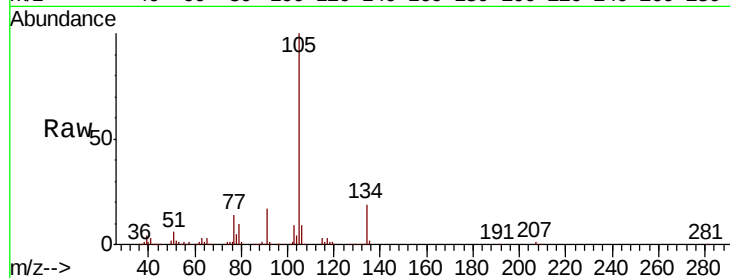
VN1025WBSD02

Tot Ion:105 Resp: 332031

Ion Ratio Lower Upper

105 100

134 19.6 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

200000

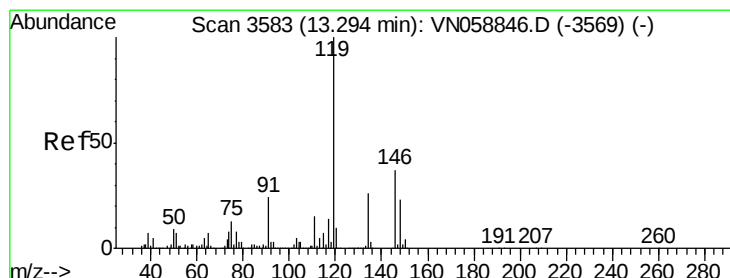
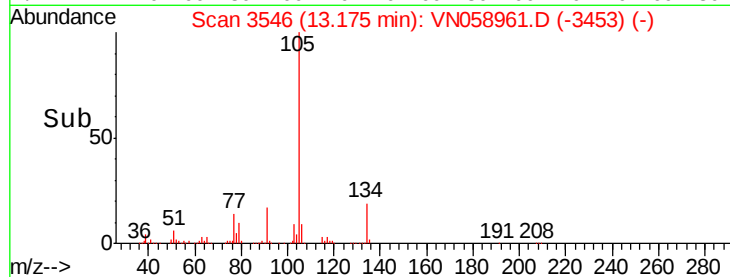
150000

100000

50000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 20.357 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

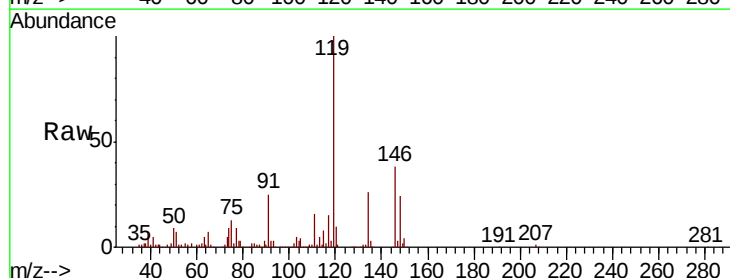
Tgt Ion:119 Resp: 293970

Ion Ratio Lower Upper

119 100

134 25.9 12.8 38.4

91 25.2 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

200000

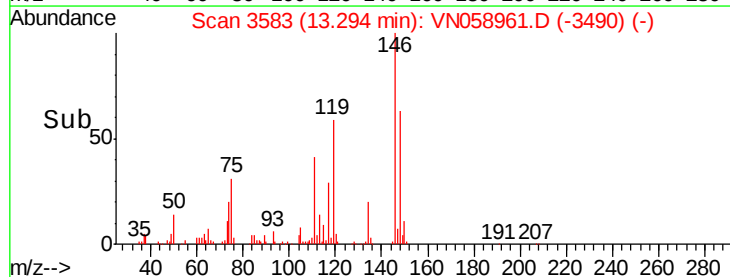
150000

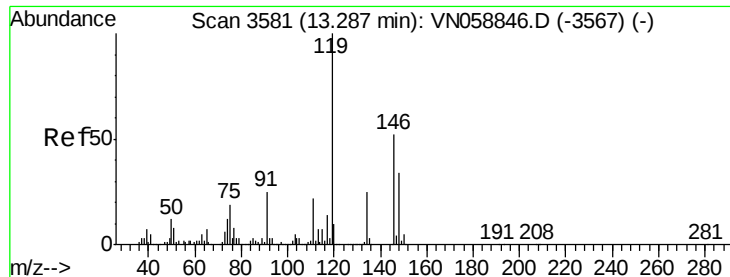
100000

50000

0

Time--> 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 19.464 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

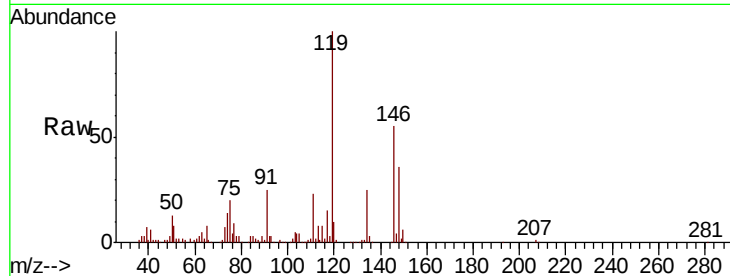
Tot Ion:146 Resp: 146569

Ion Ratio Lower Upper

146 100

111 42.4 21.0 63.0

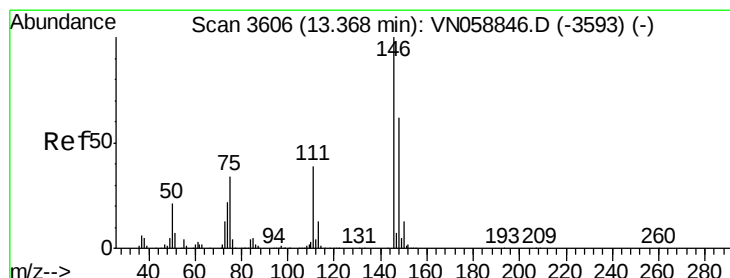
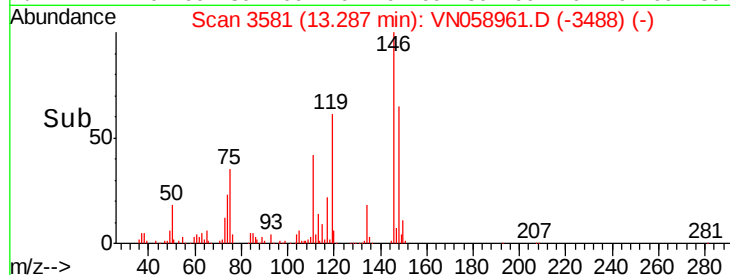
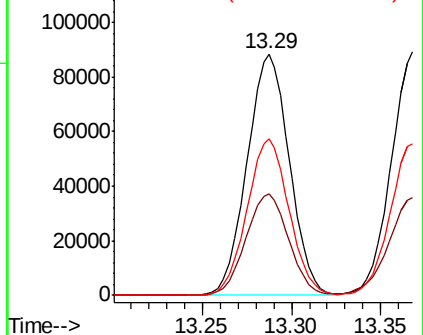
148 64.3 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.444 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

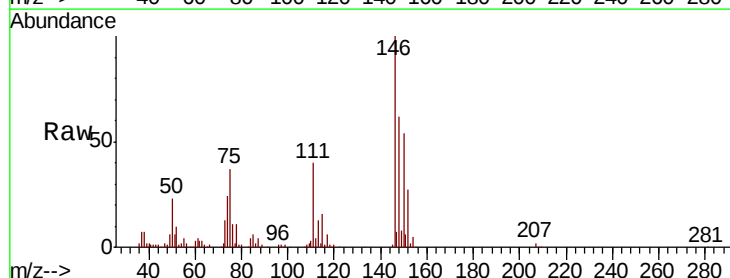
Tgt Ion:146 Resp: 146589

Ion Ratio Lower Upper

146 100

111 42.5 20.2 60.6

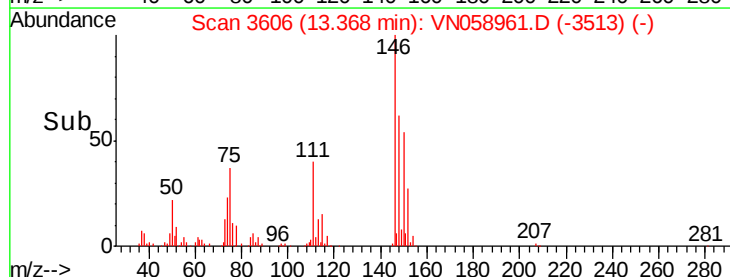
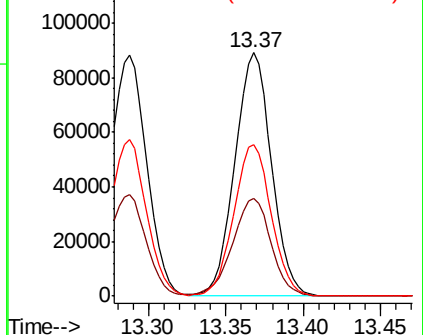
148 63.5 31.6 94.7

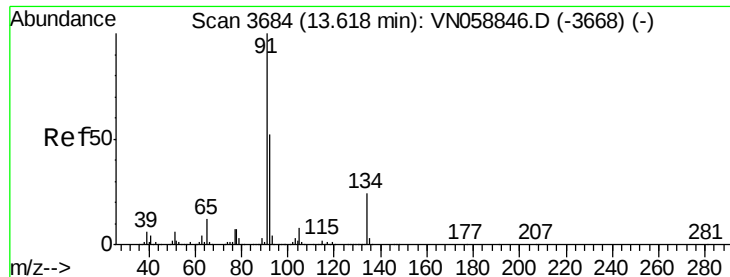


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

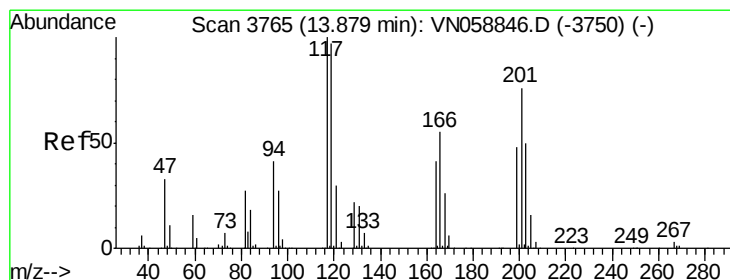
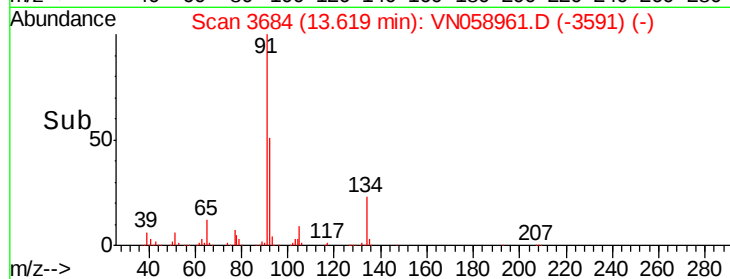
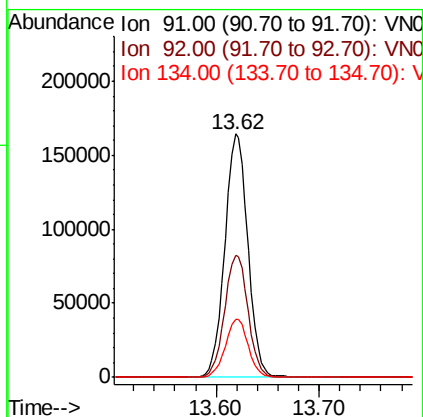
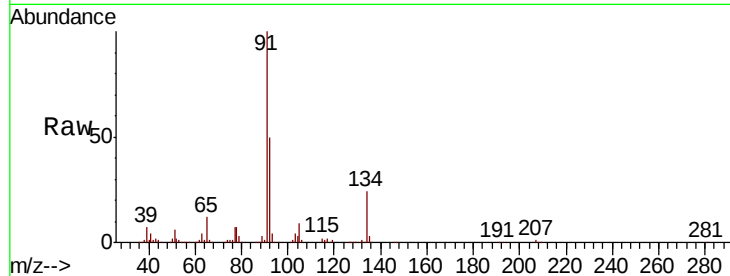




#89
n-Butylbenzene
Concen: 19.293 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

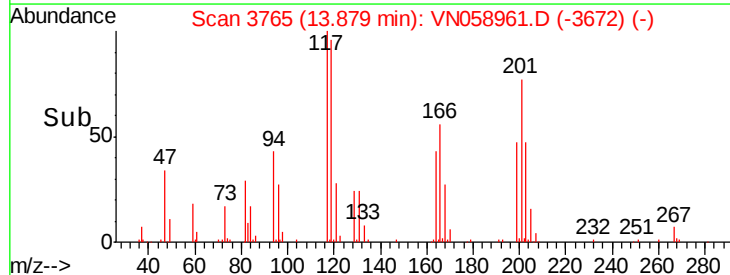
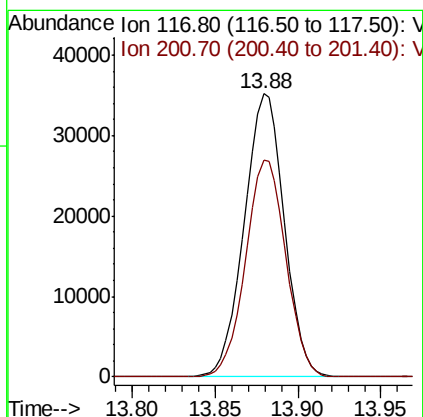
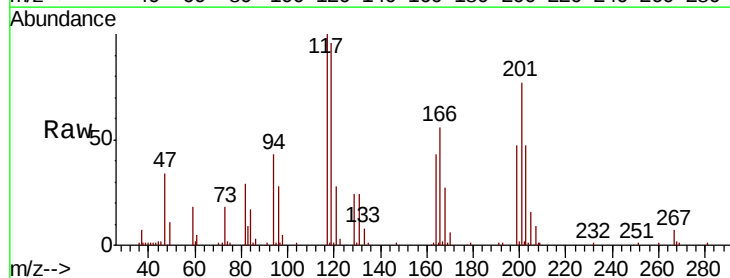
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

Tot Ion: 91 Resp: 255935
Ion Ratio Lower Upper
91 100
92 51.0 25.7 77.1
134 23.8 11.9 35.5



#90
Hexachloroethane
Concen: 20.155 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Tgt Ion: 117 Resp: 58976
Ion Ratio Lower Upper
117 100
201 77.0 38.9 116.6

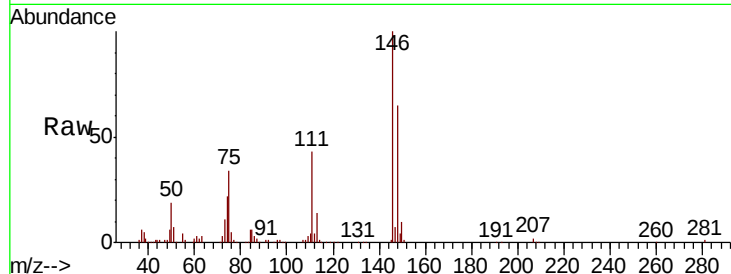




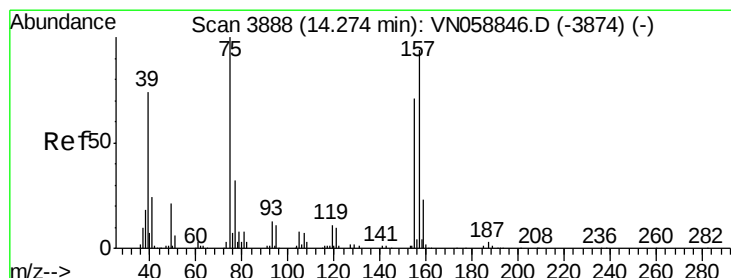
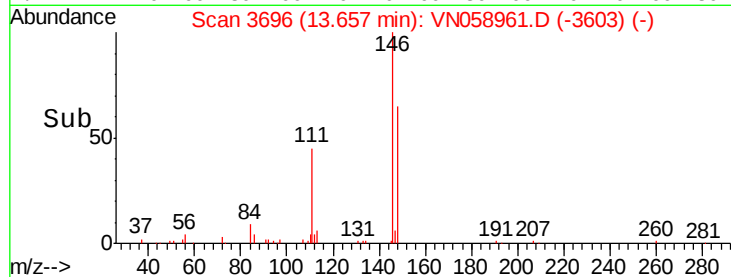
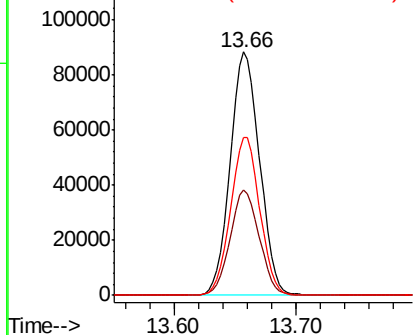
#91
 1,2-Dichlorobenzene
 Concen: 20.040 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD02

Tot Ion:146 Resp: 148317
 Ion Ratio Lower Upper
 146 100
 111 42.8 21.6 64.8
 148 64.2 31.9 95.9

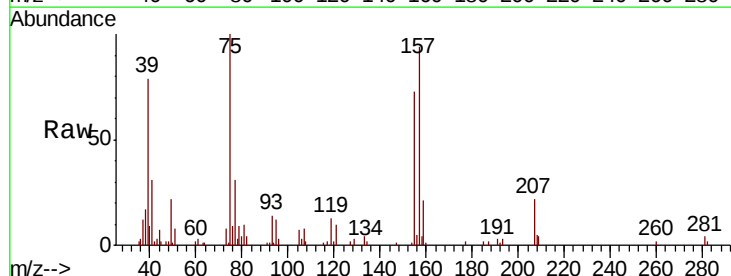


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

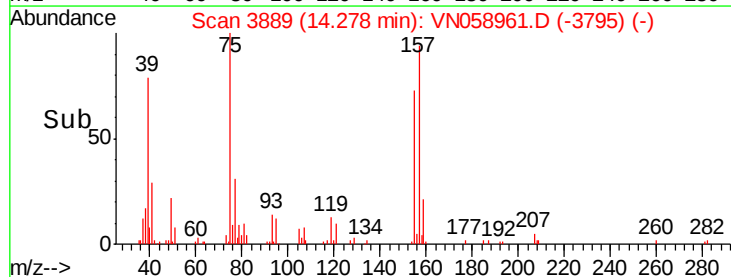
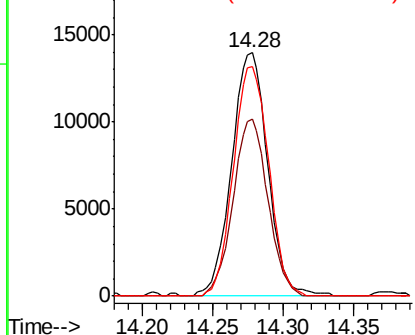


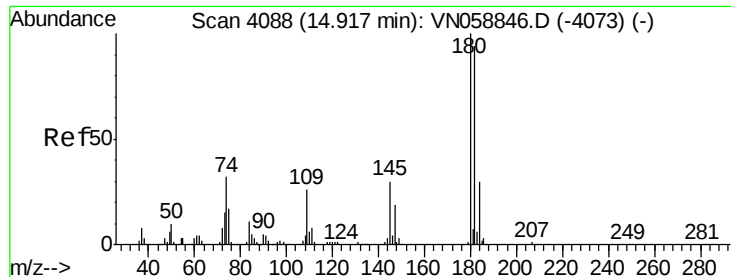
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.457 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

Tgt Ion: 75 Resp: 25080
 Ion Ratio Lower Upper
 75 100
 155 70.0 35.6 106.8
 157 92.3 47.4 142.2



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





#93

1,2,4-Trichlorobenzene

Concen: 18.200 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. -0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

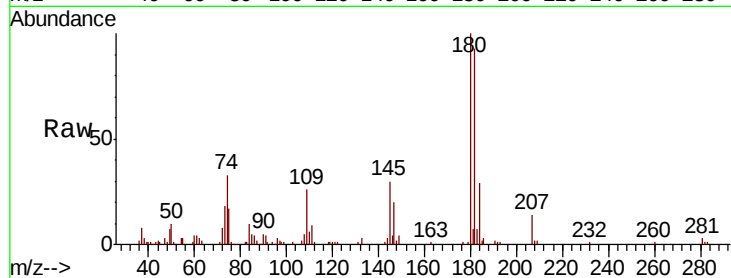
Tot Ion:180 Resp: 76932

Ion Ratio Lower Upper

180 100

182 94.3 47.3 142.0

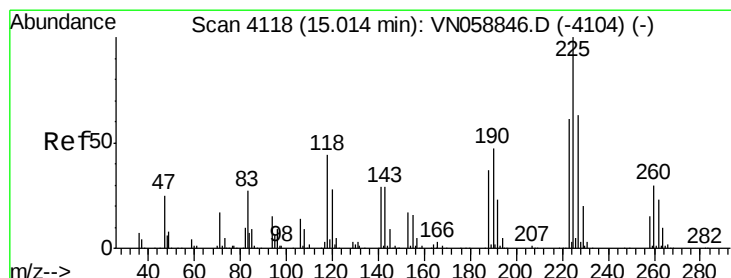
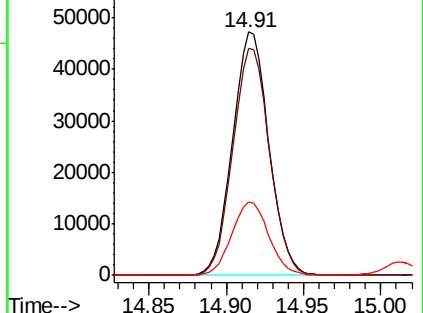
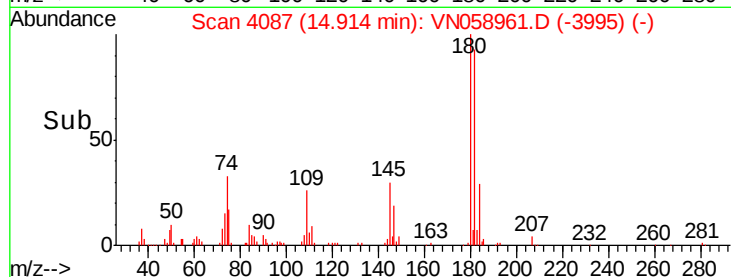
145 30.8 15.3 45.8



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: 18.832 ug/l

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

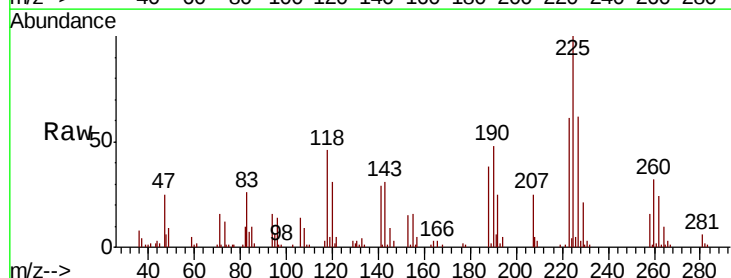
Tgt Ion:225 Resp: 45175

Ion Ratio Lower Upper

225 100

223 61.4 30.9 92.5

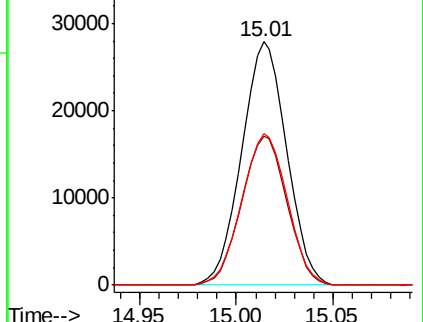
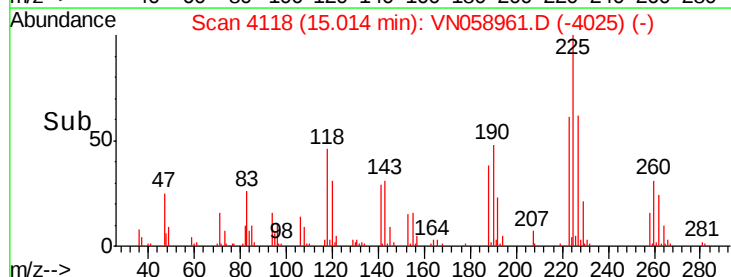
227 62.9 31.6 94.7



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 17.038 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

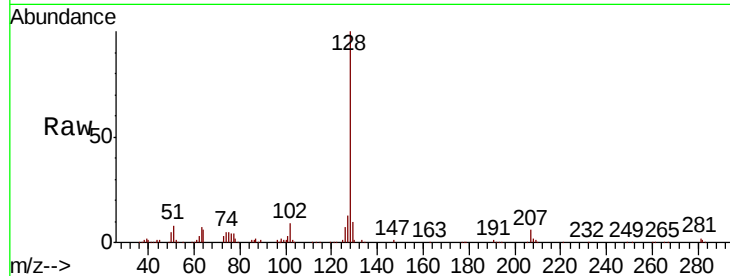
Tot Ion:128 Resp: 207597

Ion Ratio Lower Upper

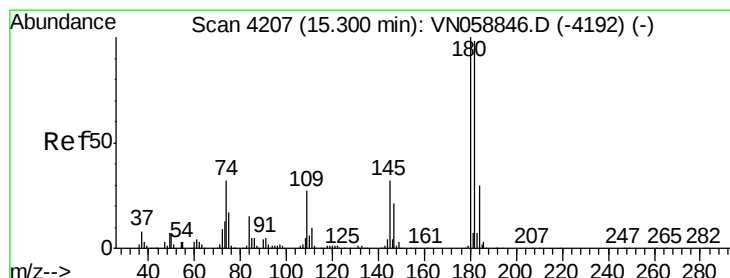
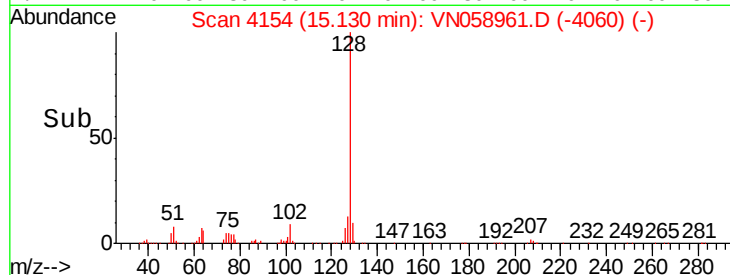
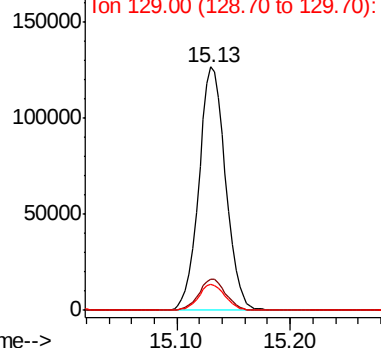
128 100

127 13.0 10.2 15.2

129 10.6 8.4 12.6



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



#96

1,2,3-Trichlorobenzene

Concen: 18.474 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

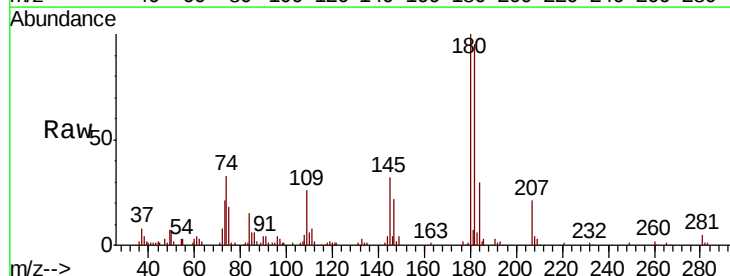
Tgt Ion:180 Resp: 76601

Ion Ratio Lower Upper

180 100

182 97.0 47.9 143.7

145 32.9 15.9 47.7



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

