

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 :

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

Target Compounds	R.T.	QIon	Response	Conc	Units	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

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 :

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)
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

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 :

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

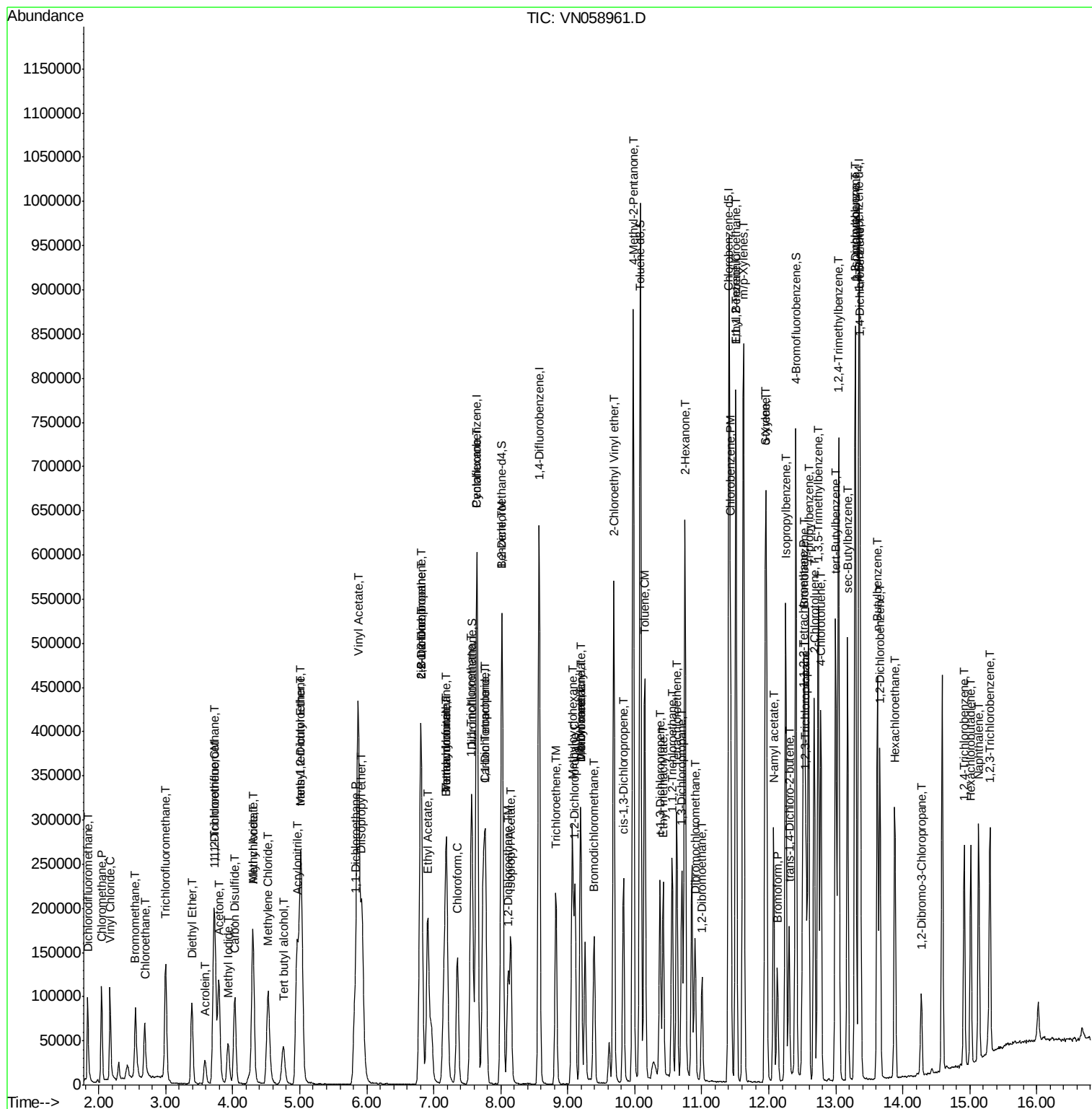
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	76932	18.200	ug/l	100
94) Hexachlorobutadiene	15.01	225	45175	18.832	ug/l	100
95) Naphthalene	15.13	128	207597	17.038	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	76601	18.474	ug/l	99

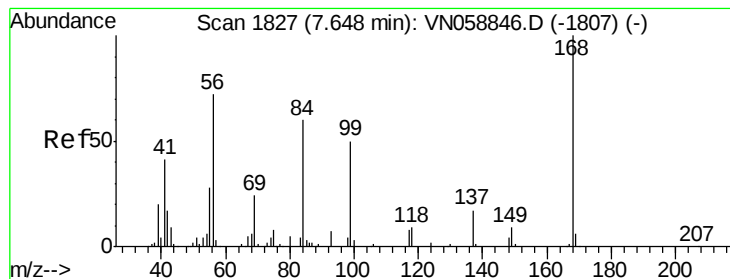
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 :

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





#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

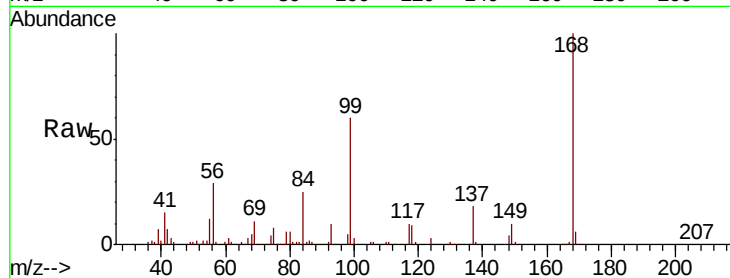
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 332642

Ion Ratio Lower Upper

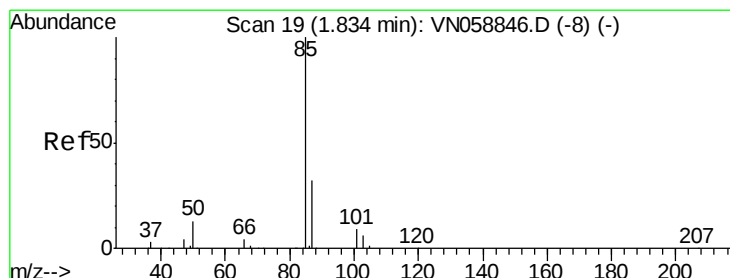
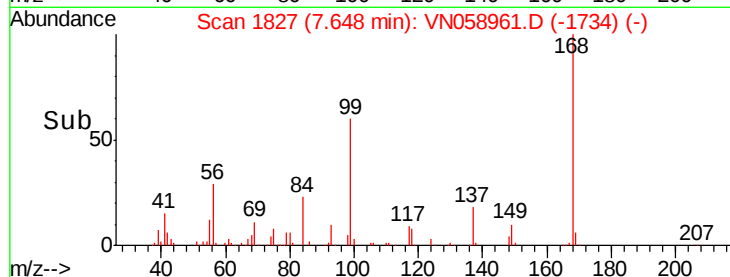
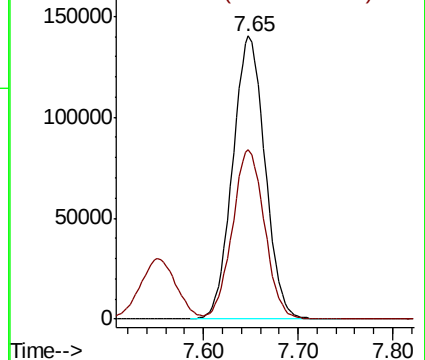
168 100

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



#2

Dichlorodifluoromethane

Concen: 19.416 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058961.D

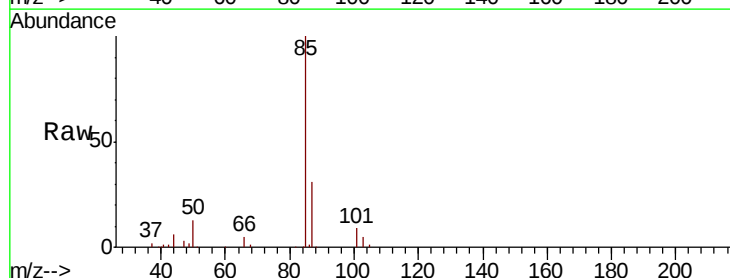
Acq: 24 Oct 2019 15:12

Tgt Ion: 85 Resp: 80527

Ion Ratio Lower Upper

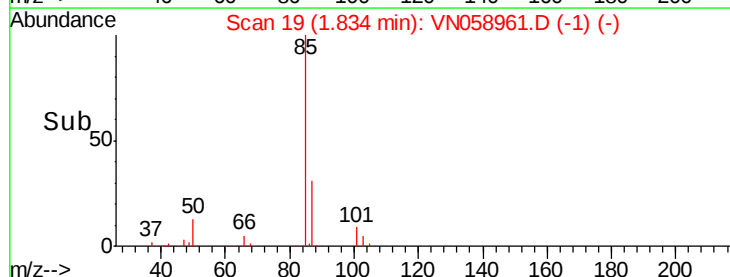
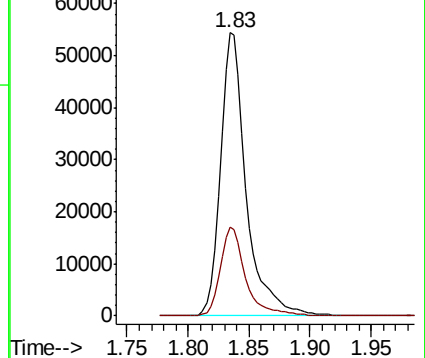
85 100

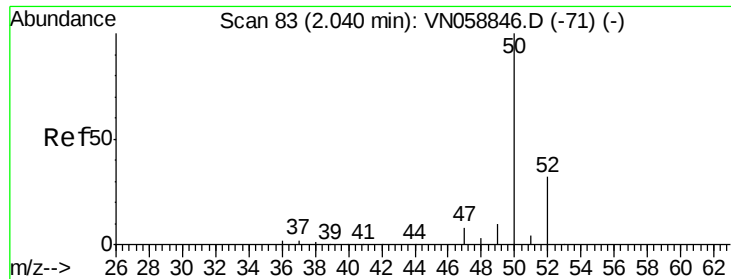
87 31.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#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

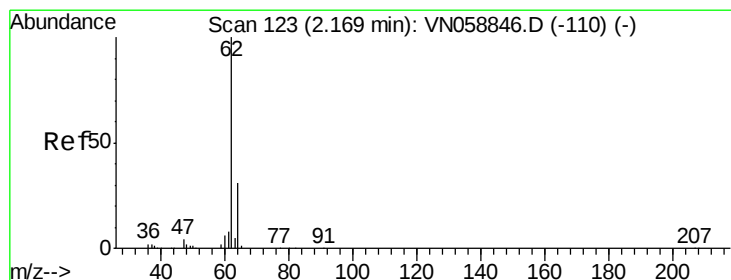
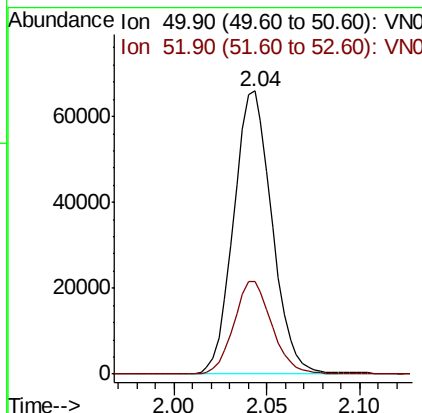
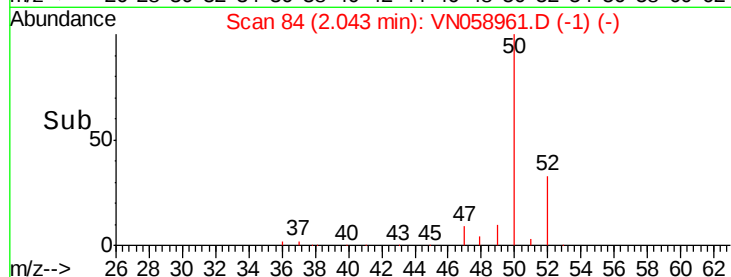
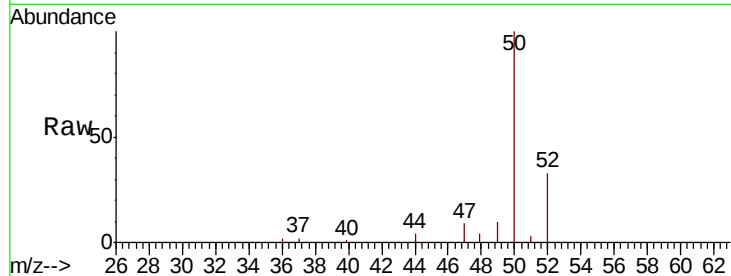
ClientSampleId :

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

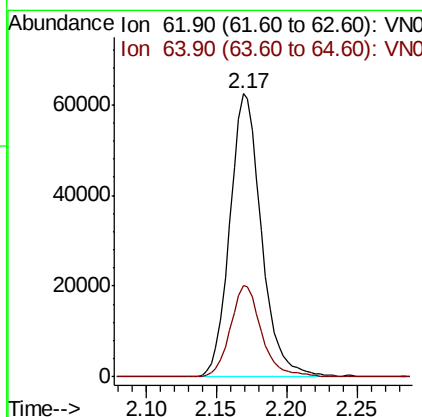
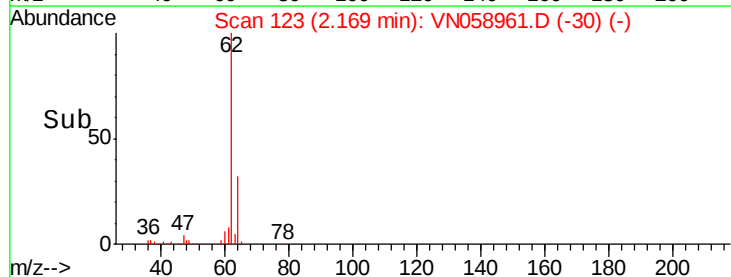
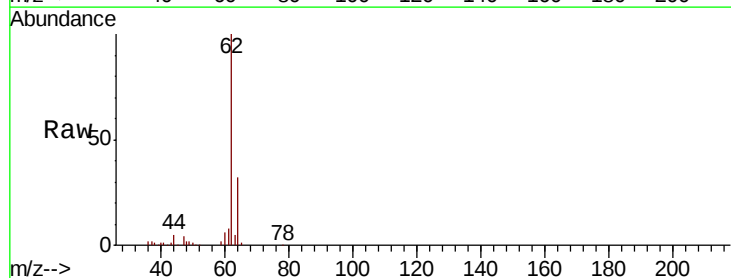
Acq: 24 Oct 2019 15:12

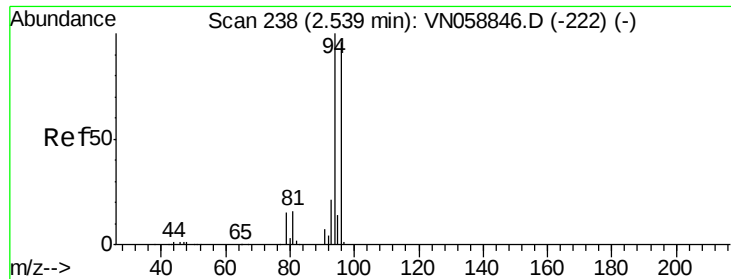
Tgt Ion: 62 Resp: 97968

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

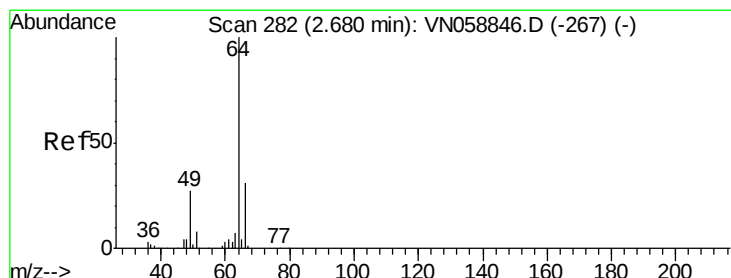
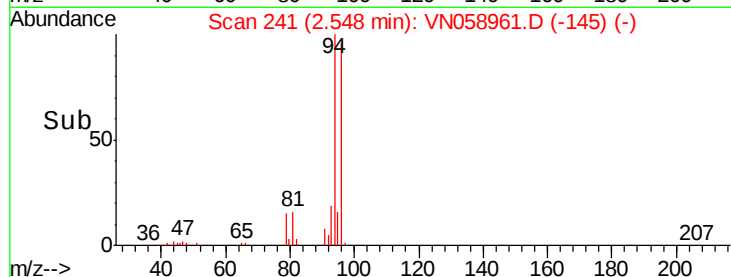
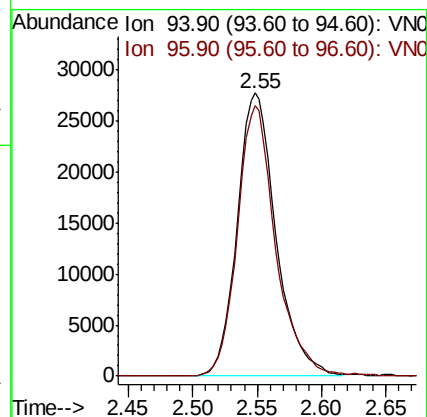
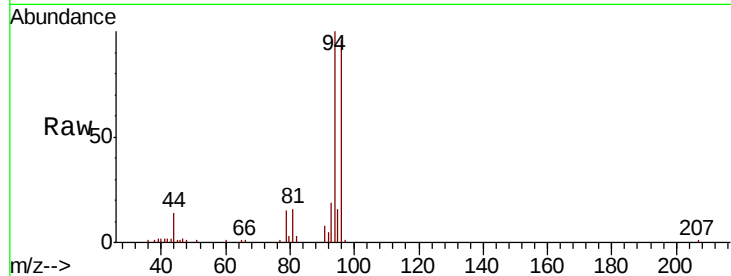
ClientSampled :

Tot Ion: 94 Resp: 58114

Ion Ratio Lower Upper

94 100

96 95.8 77.0 115.6



#6

Chloroethane

Concen: 19.432 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058961.D

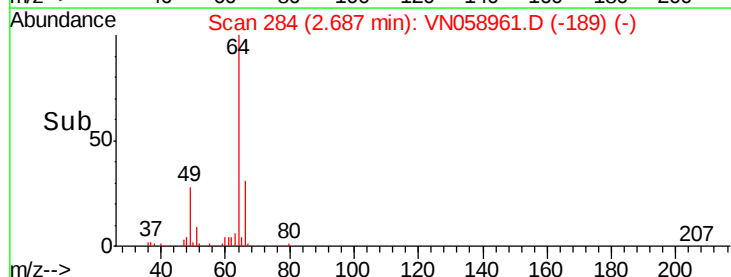
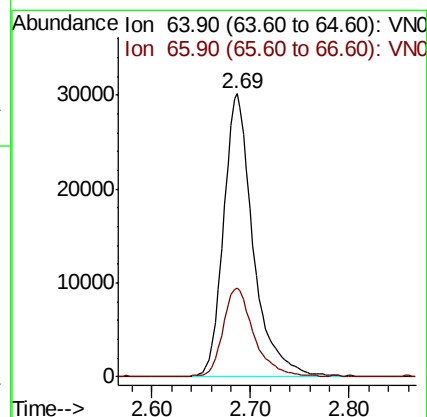
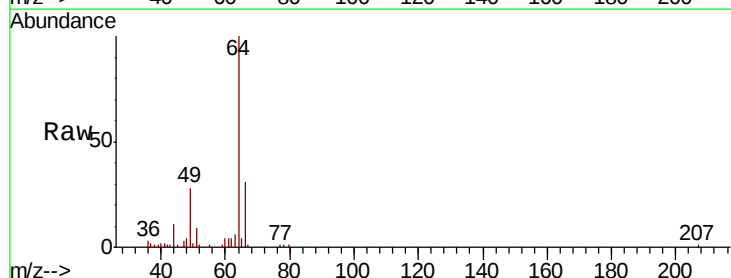
Acq: 24 Oct 2019 15:12

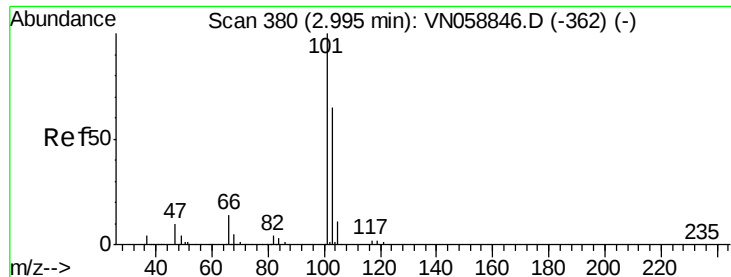
Tgt Ion: 64 Resp: 63553

Ion Ratio Lower Upper

64 100

66 31.4 25.0 37.4



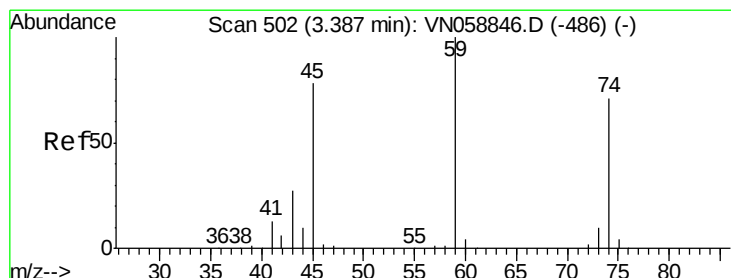
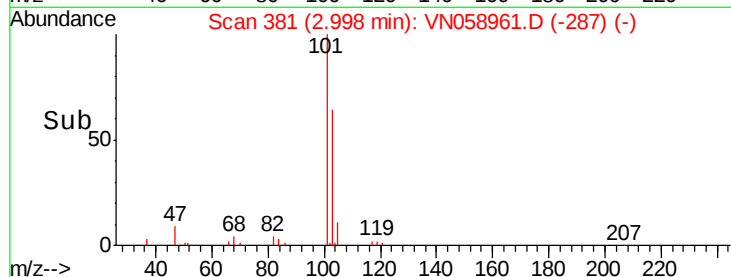
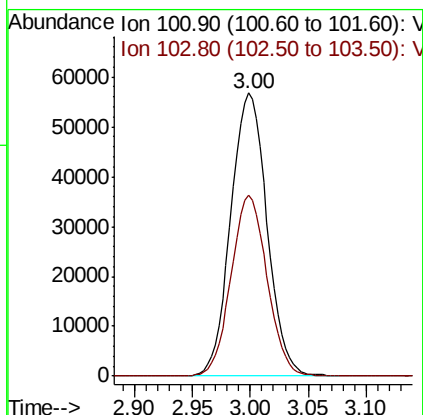
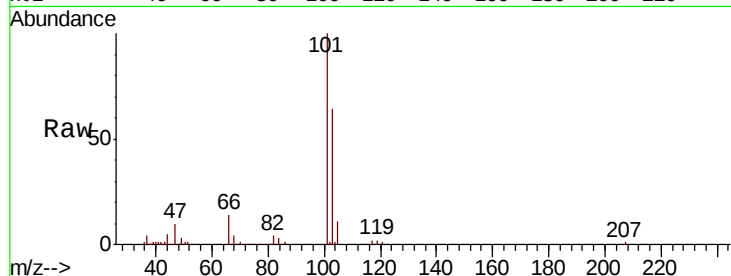


#7

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
ClientSampled :

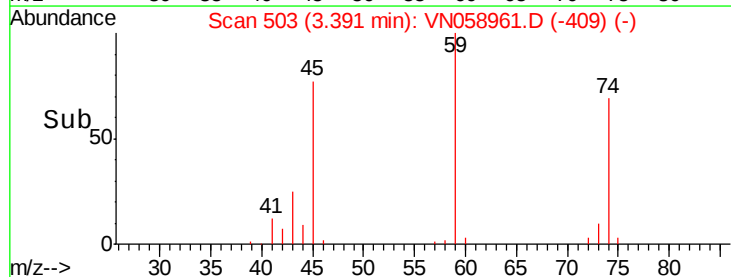
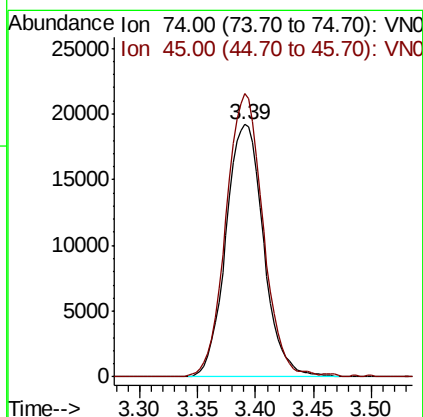
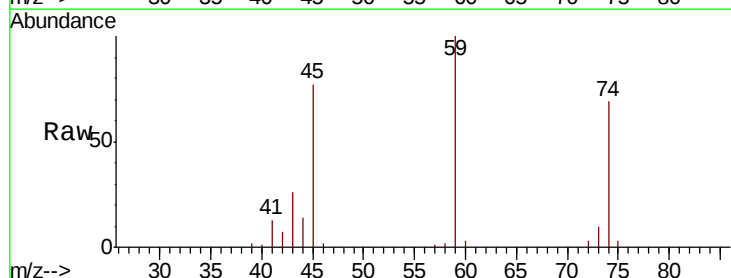
Tot Ion:101 Resp: 123305
Ion Ratio Lower Upper
101 100
103 64.0 52.2 78.2

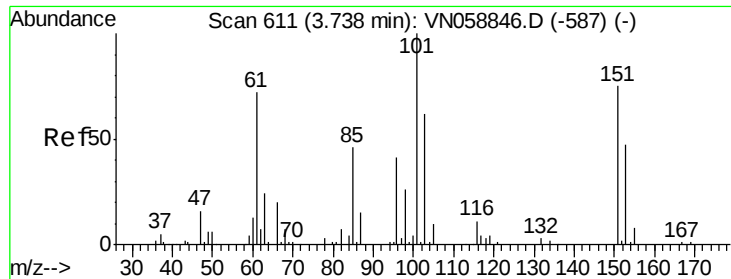


#8

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

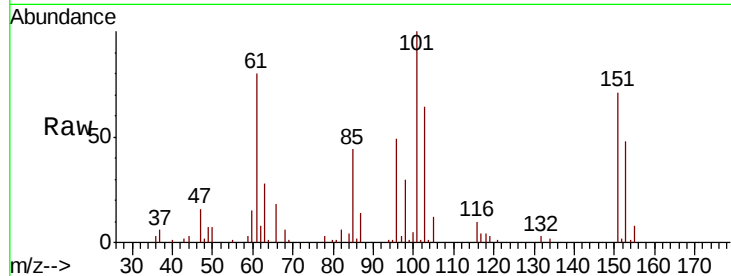




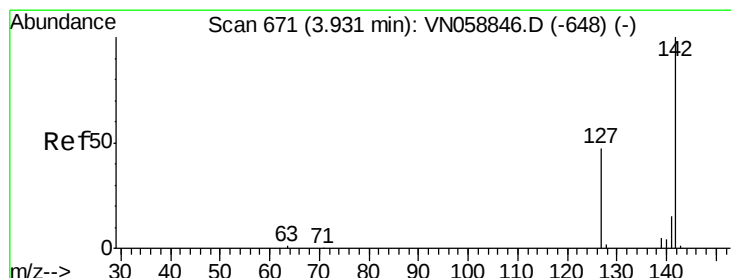
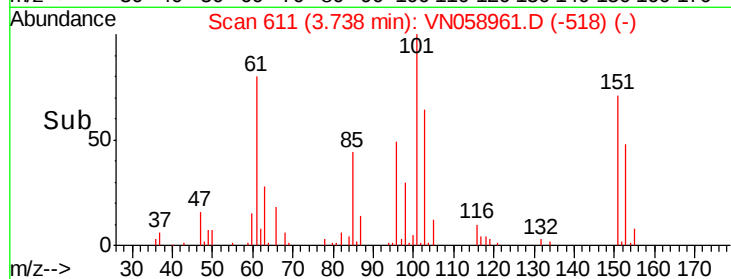
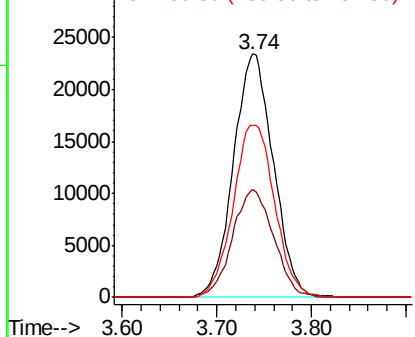
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.656 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

Instrument :
 MSVOA_N
 ClientSampleId :

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

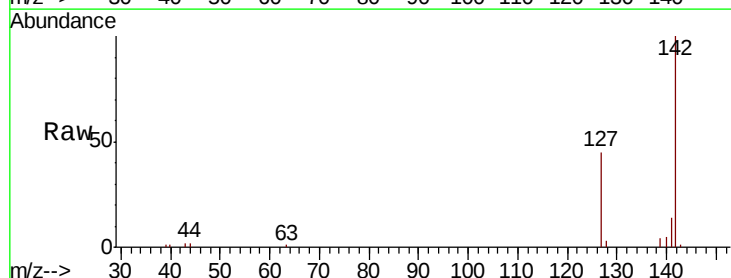


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

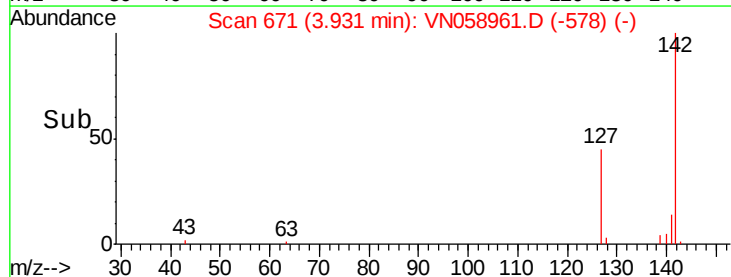
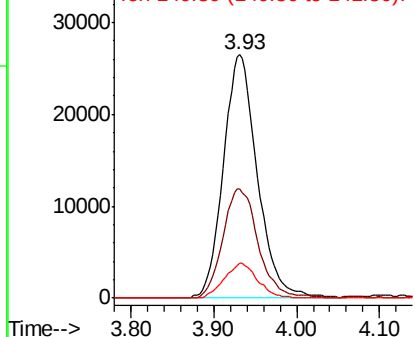


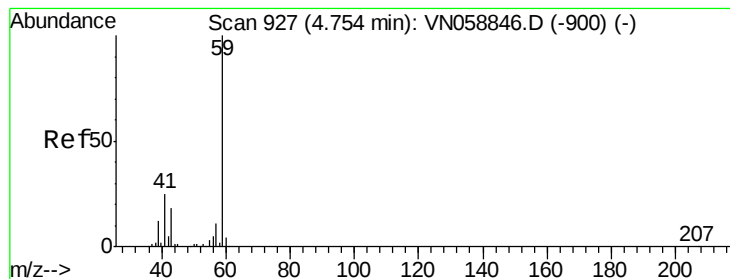
#10
 Methyl Iodide
 Concen: 16.393 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

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

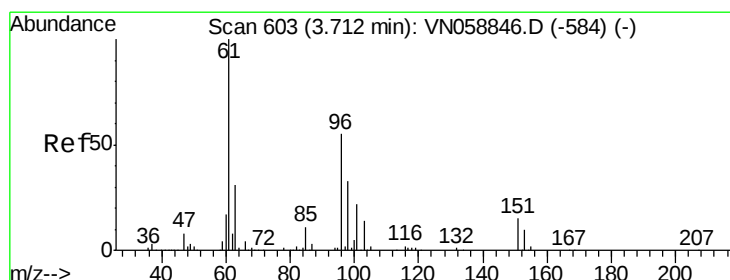
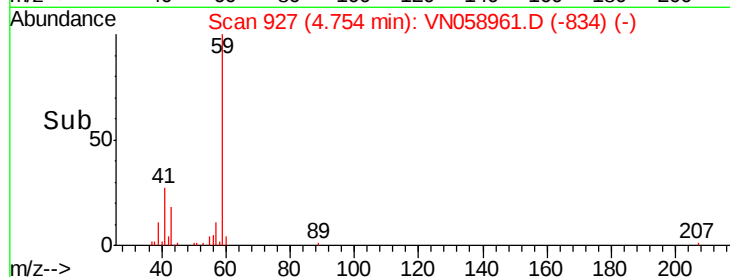
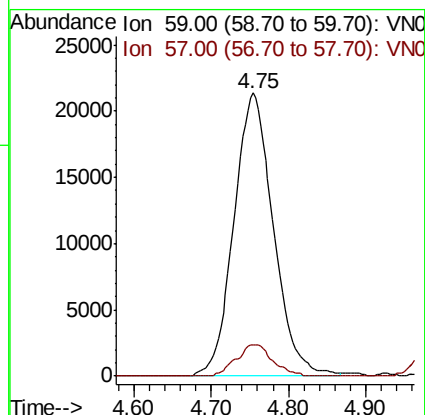
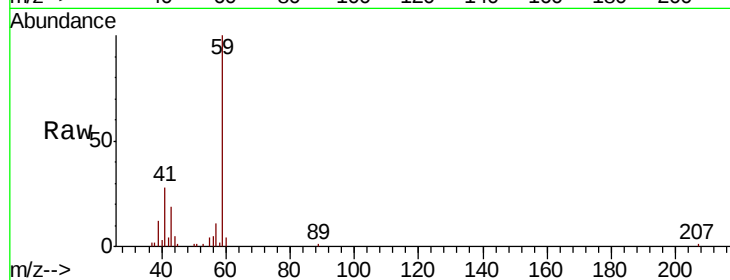
ClientSampleId :

Tot Ion: 59 Resp: 75794

Ion Ratio Lower Upper

59 100

57 10.2 8.6 12.8



#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

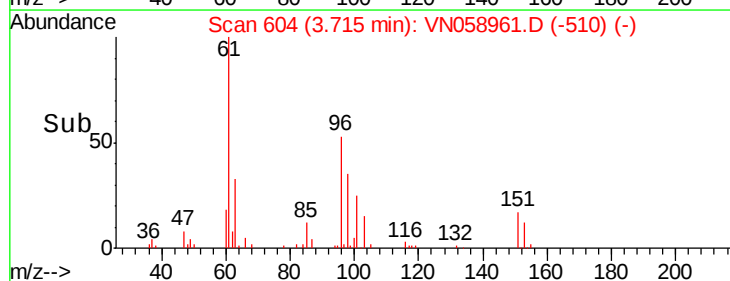
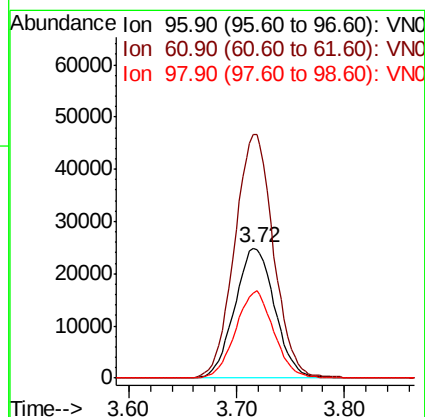
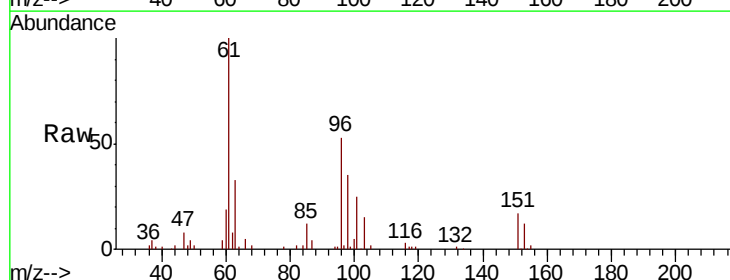
Tgt Ion: 96 Resp: 64170

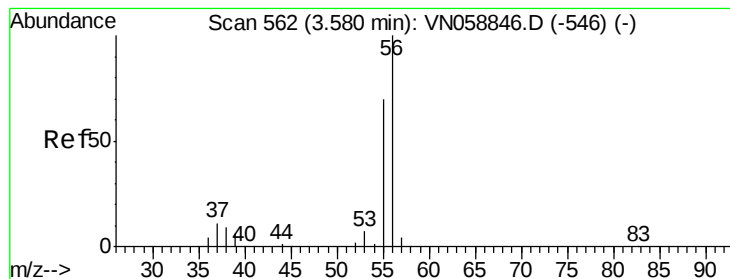
Ion Ratio Lower Upper

96 100

61 187.2 146.2 219.2

98 65.6 48.7 73.1





#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

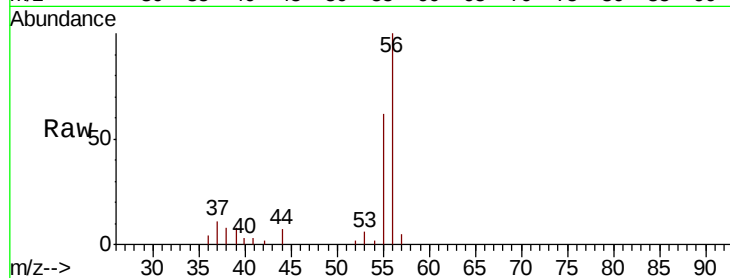
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 30542

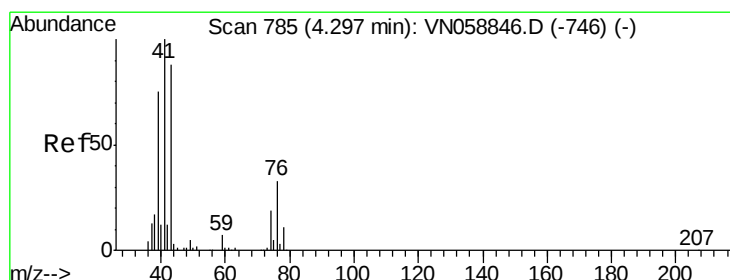
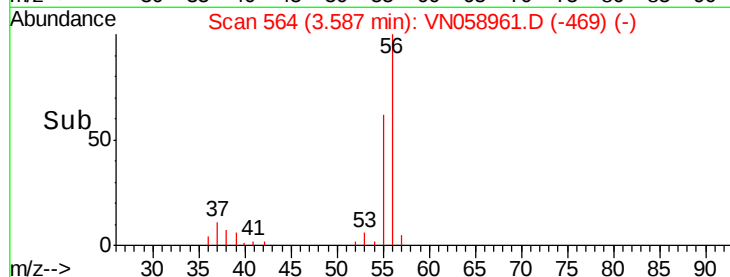
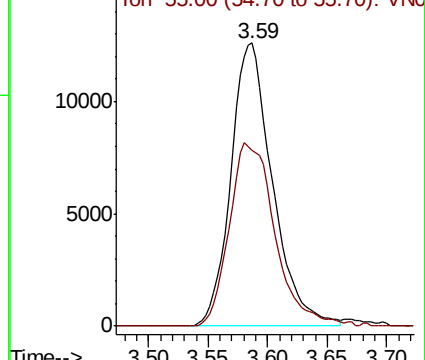
Ion Ratio Lower Upper

56 100

55 71.2 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 55.00 (54.70 to 55.70): VNO



#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

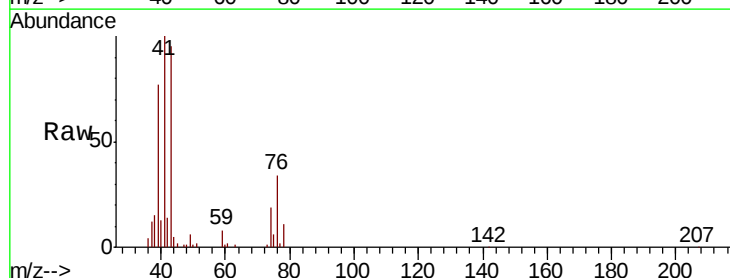
Tgt Ion: 41 Resp: 127980

Ion Ratio Lower Upper

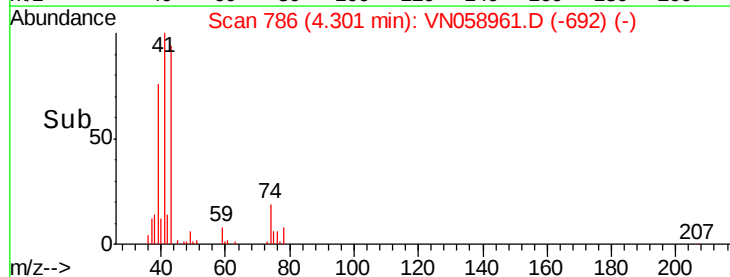
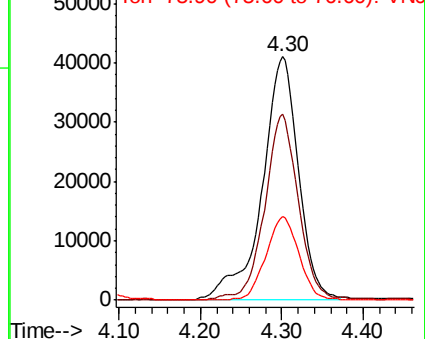
41 100

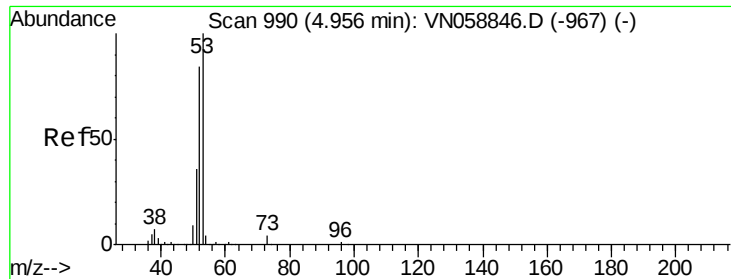
39 70.8 55.9 83.9

76 31.2 24.1 36.1



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 101.366 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

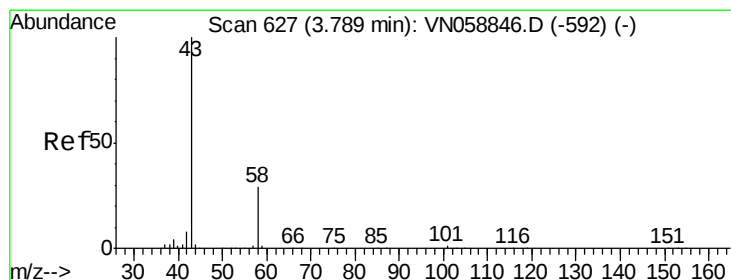
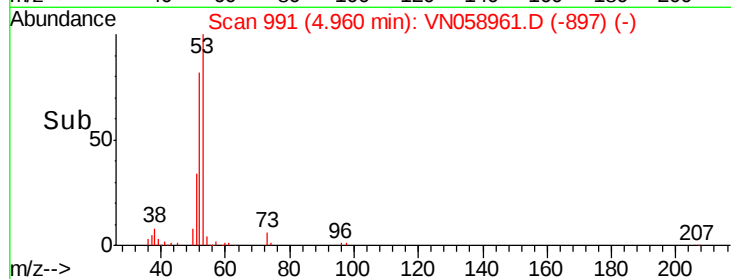
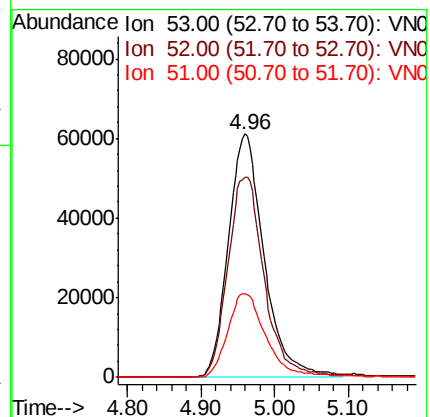
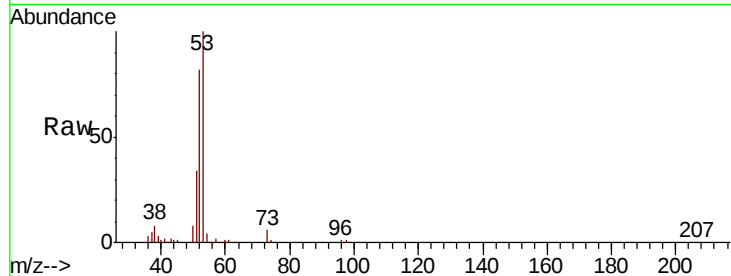
Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Instrument :
MSVOA_N
ClientSampled :

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

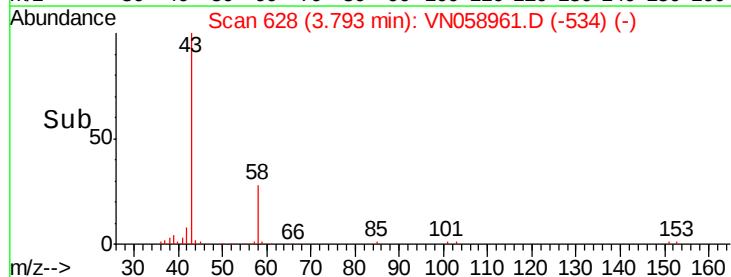
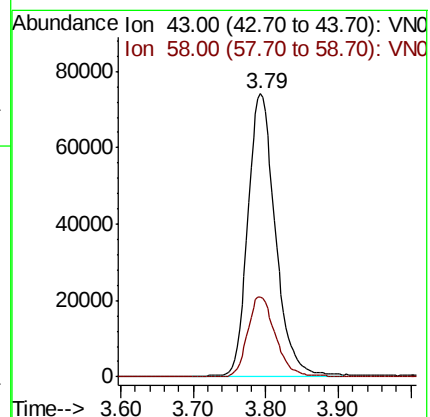
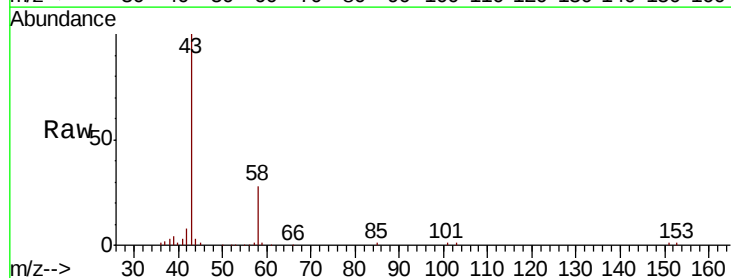
Delta R.T. 0.00 min

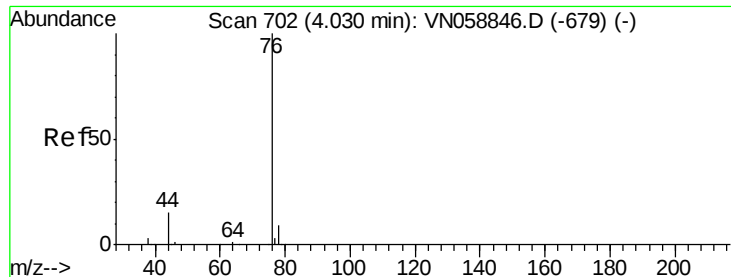
Lab File: VN058961.D

Acq: 24 Oct 2019 15:12

Tgt Ion: 43 Resp: 196803

Ion	Ratio	Lower	Upper
43	100		
58	28.3	23.1	34.7

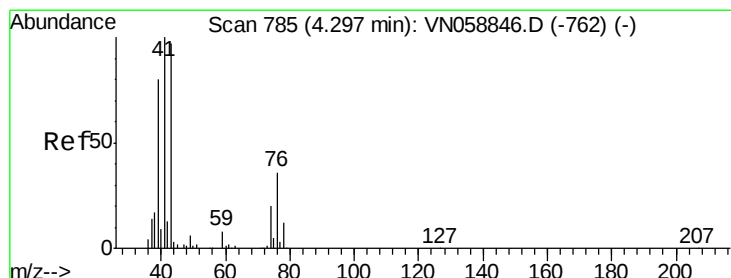
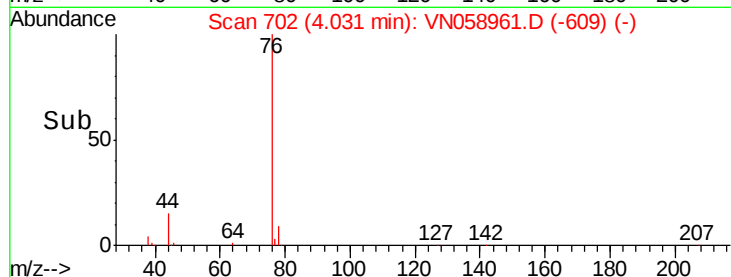
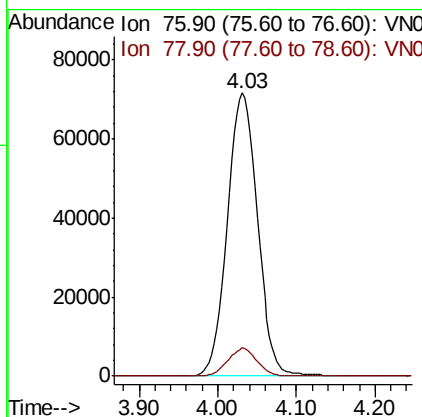
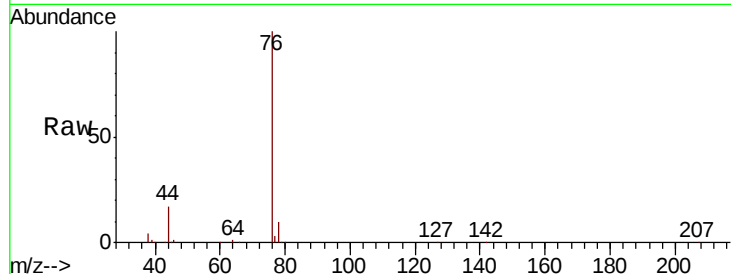




#17
Carbon Disulfide
Concen: 18.061 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

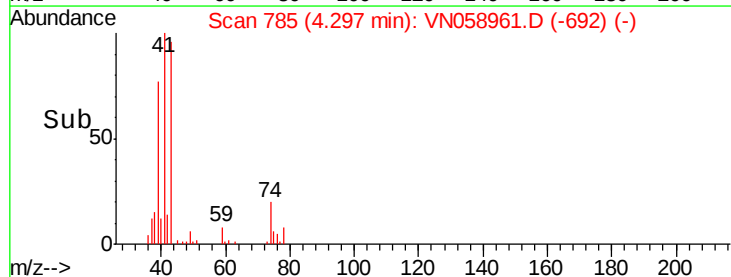
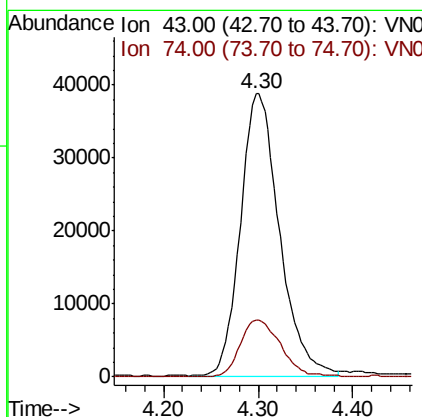
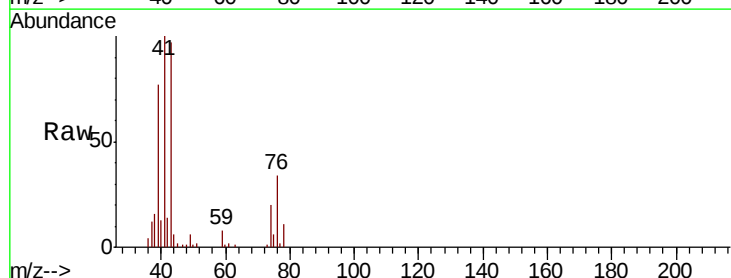
Instrument :
MSVOA_N
ClientSampleId :

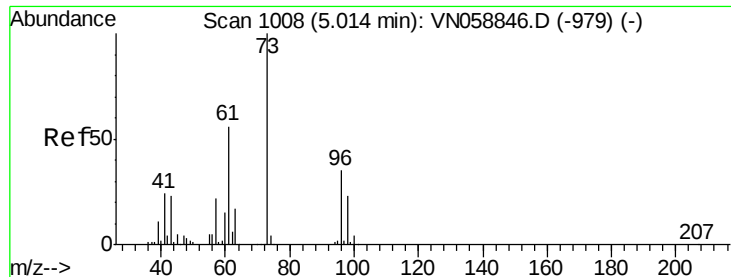
Tot Ion: 76 Resp: 190783
Ion Ratio Lower Upper
76 100
78 9.9 7.1 10.7



#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

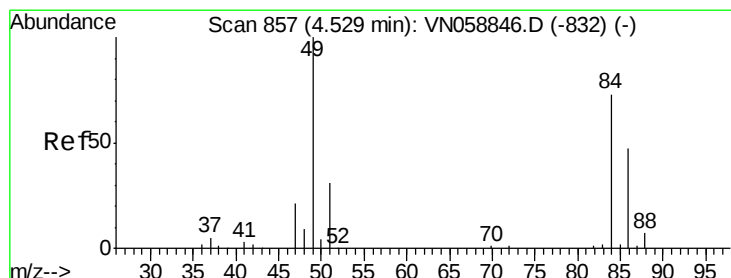
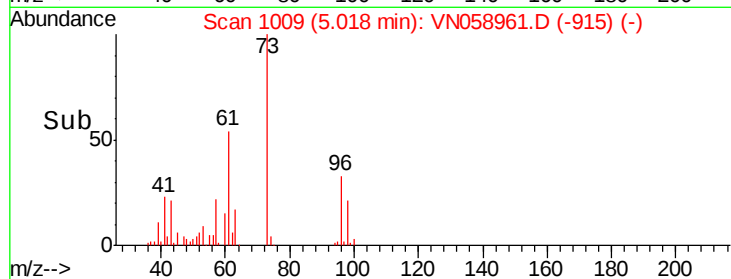
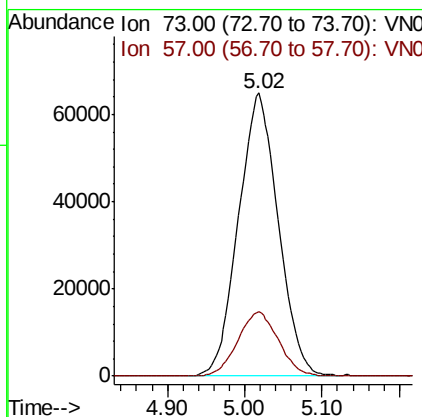
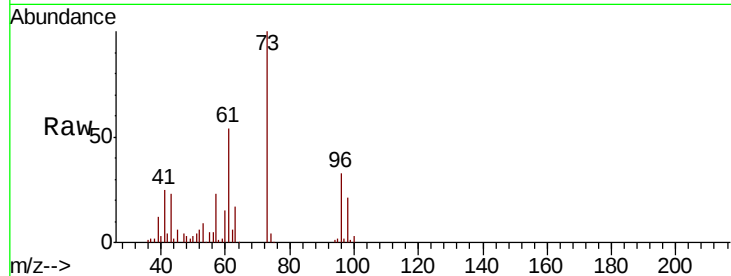




#19
Methvl tert-butvl Ether
Concen: 20.198 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

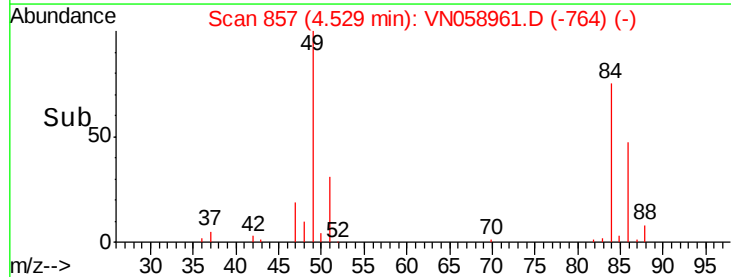
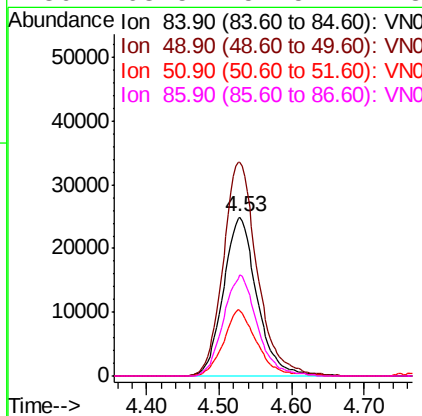
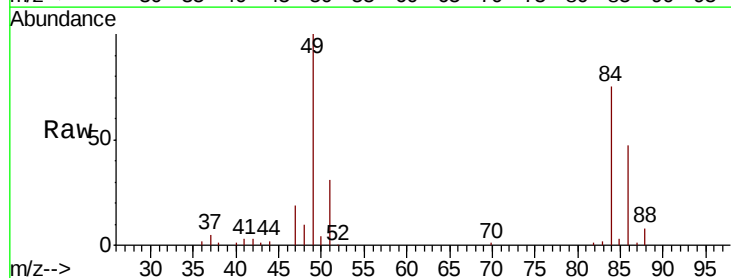
Instrument :
MSVOA_N
ClientSampled :

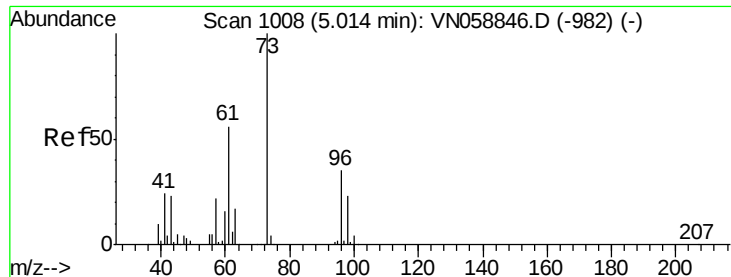
Tot Ion: 73 Resp: 231928
Ion Ratio Lower Upper
73 100
57 22.8 17.9 26.9



#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

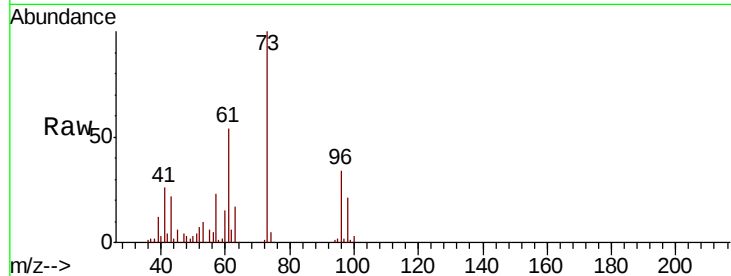




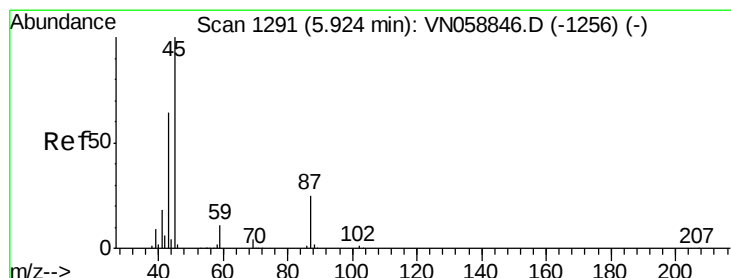
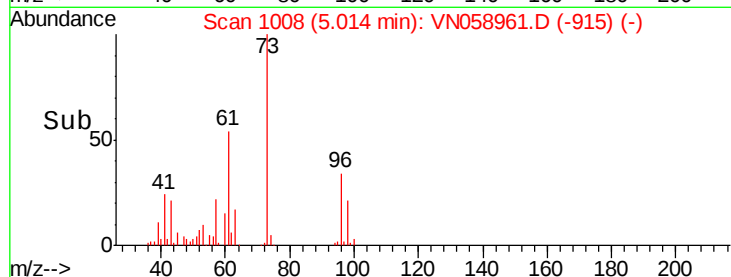
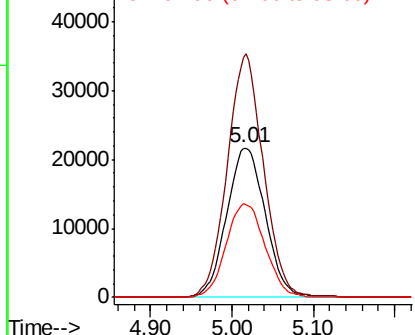
#21
trans-1,2-Dichloroethene
Concen: 19.798 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Instrument :
MSVOA_N
ClientSampleId :

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

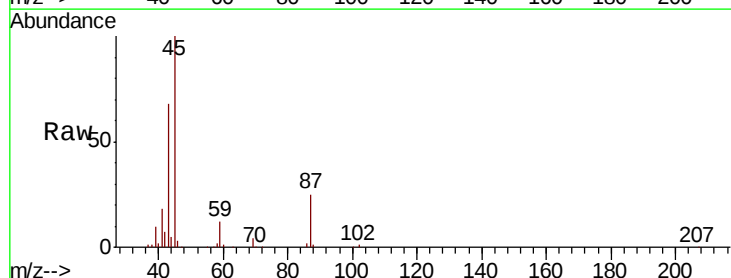


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

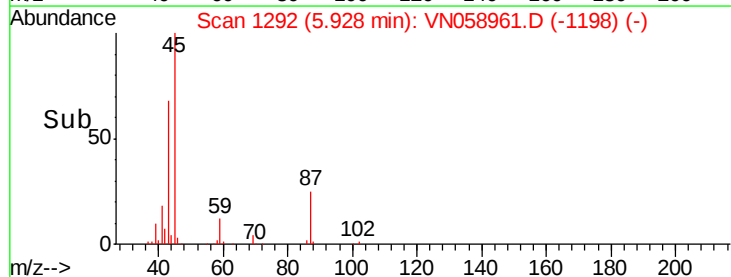
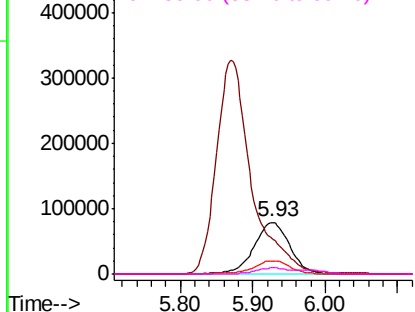


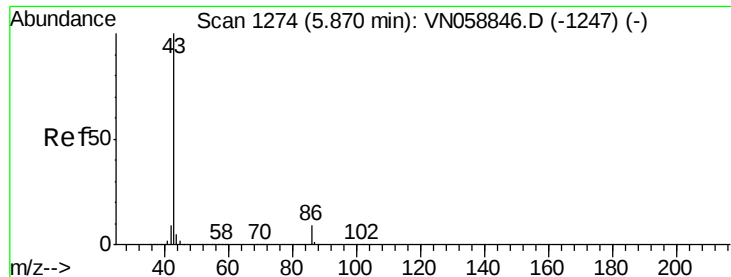
#22
Diisopropyl ether
Concen: 20.777 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

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): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 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

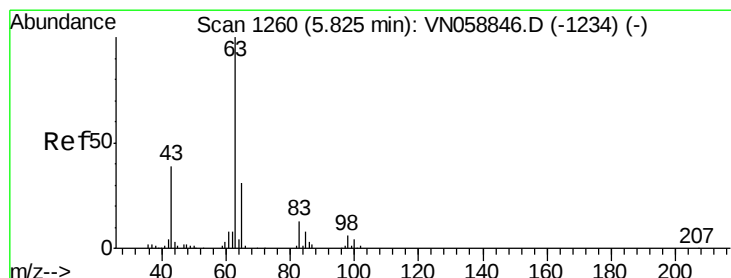
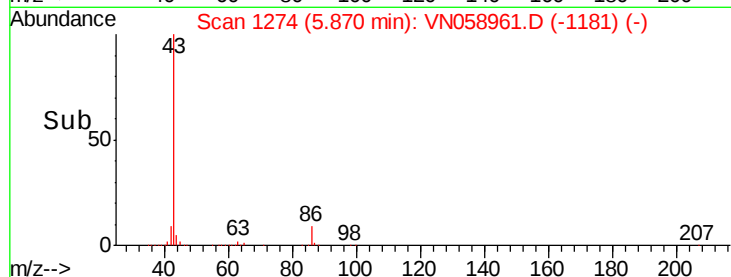
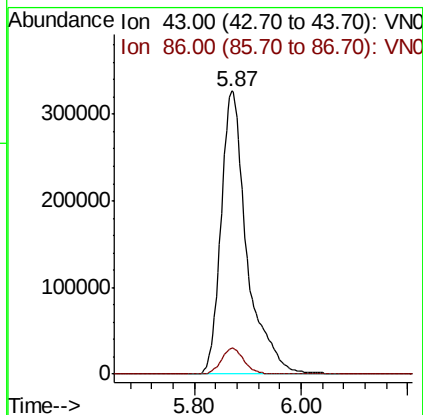
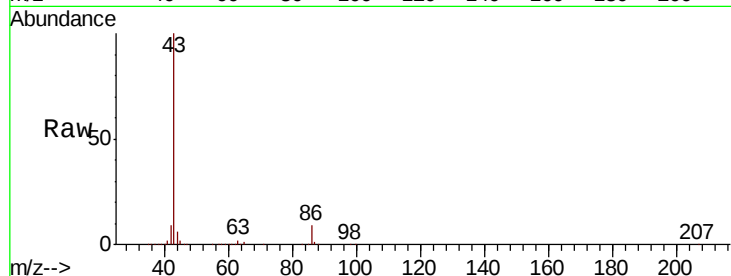
Instrument :
MSVOA_N
ClientSampleId :

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

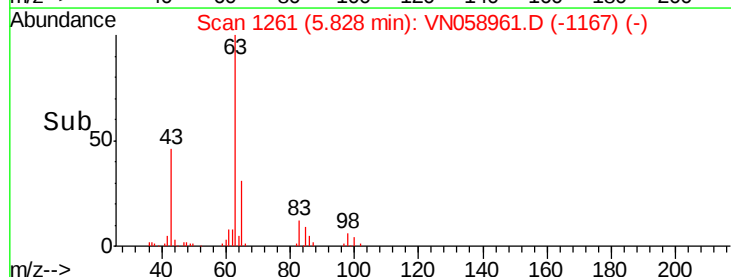
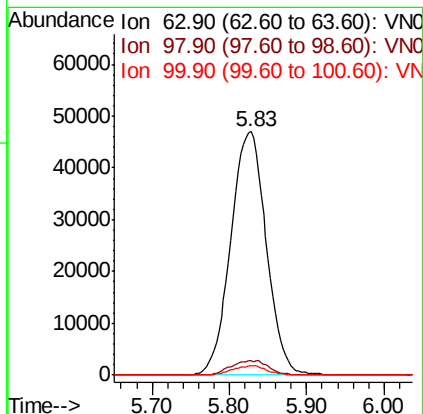
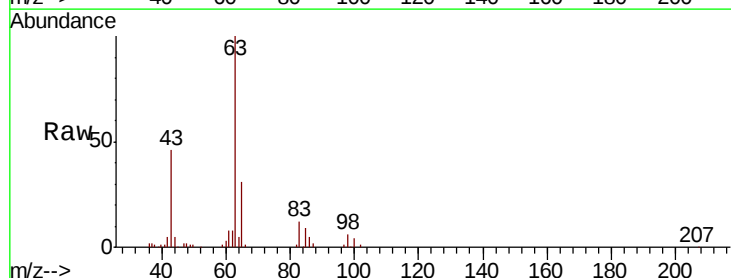
Tgt Ion: 63 Resp: 150144

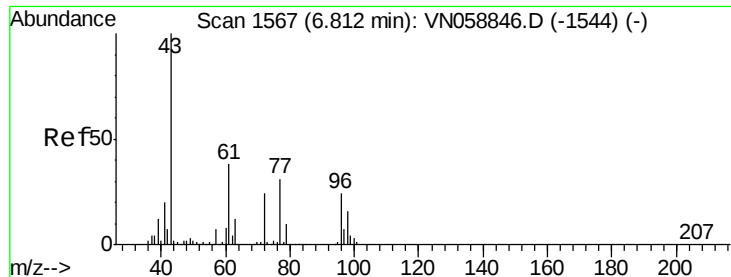
Ion Ratio Lower Upper

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

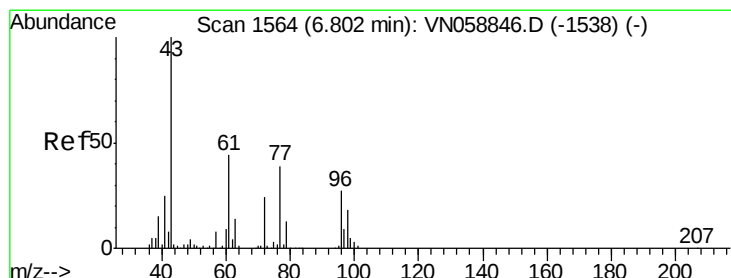
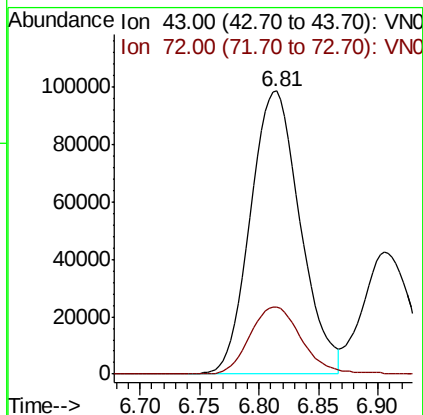
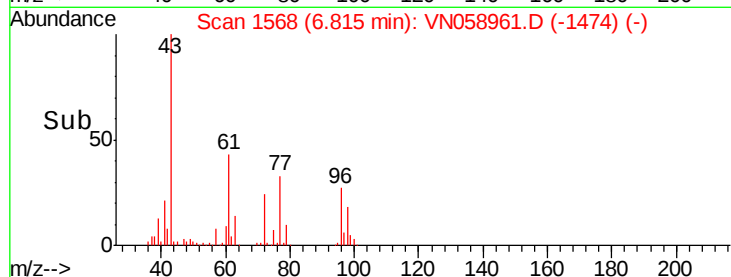
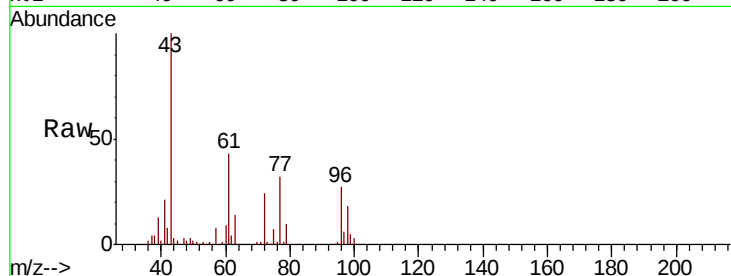
ClientSampleId :

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

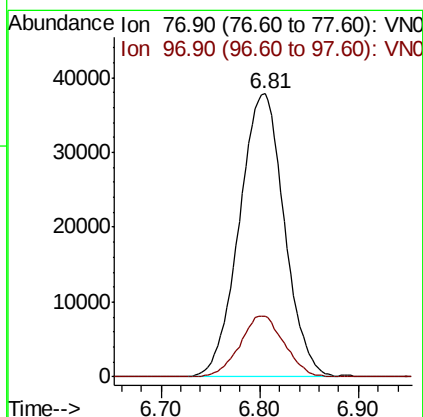
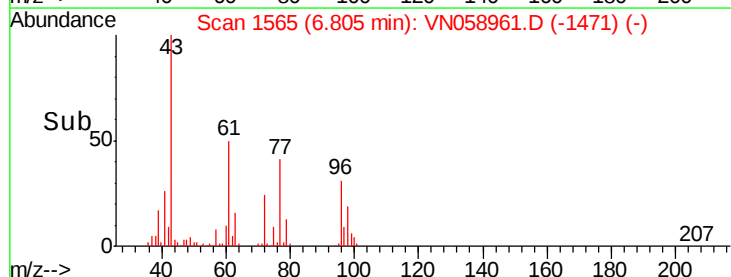
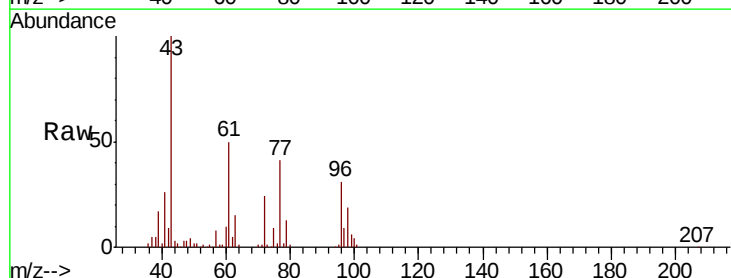
Acq: 24 Oct 2019 15:12

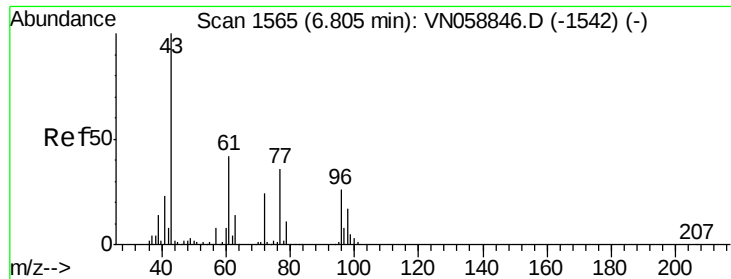
Tgt Ion: 77 Resp: 119576

Ion Ratio Lower Upper

77 100

97 21.0 10.6 31.8

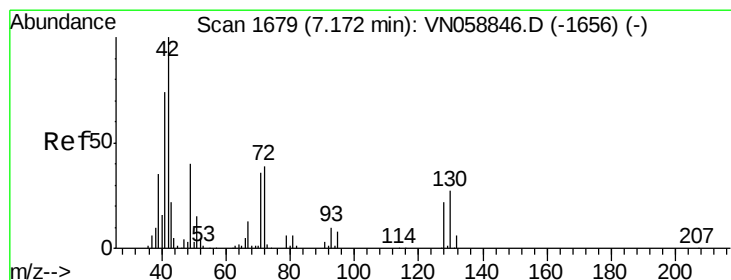
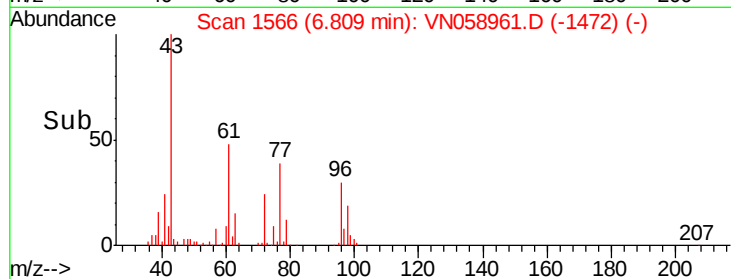
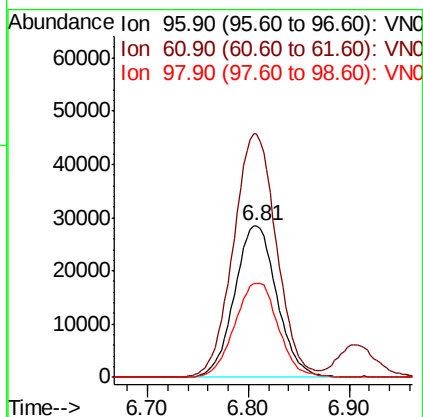
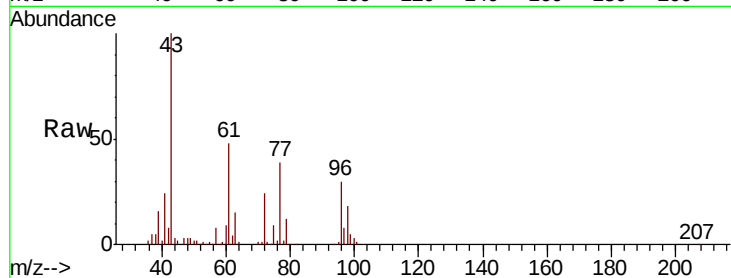




#27
 cis-1,2-Dichloroethene
 Concen: 20.034 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

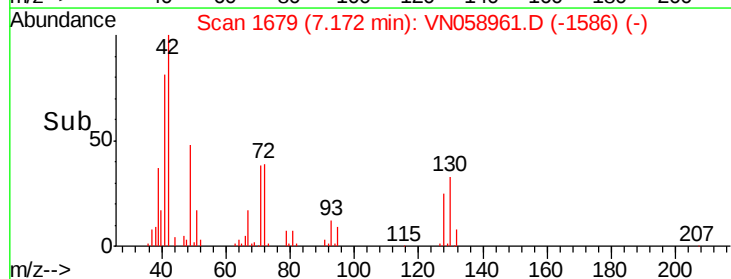
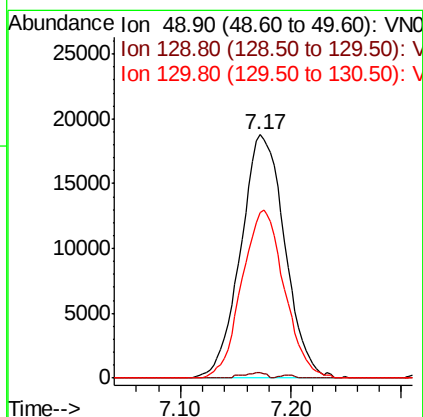
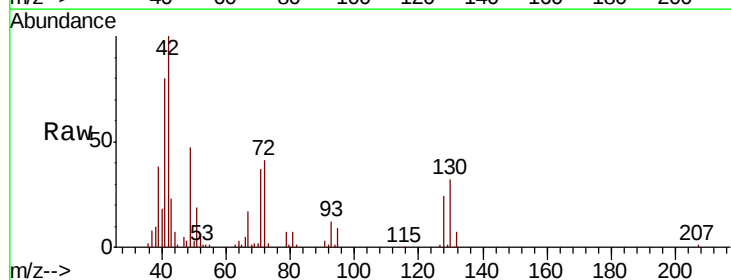
Instrument :
 MSVOA_N
 ClientSampleId :

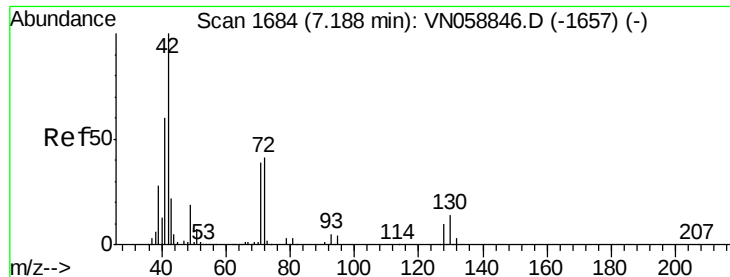
Tot Ion: 96 Resp: 82878
 Ion Ratio Lower Upper
 96 100
 61 163.9 0.0 325.0
 98 64.1 0.0 128.0



#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

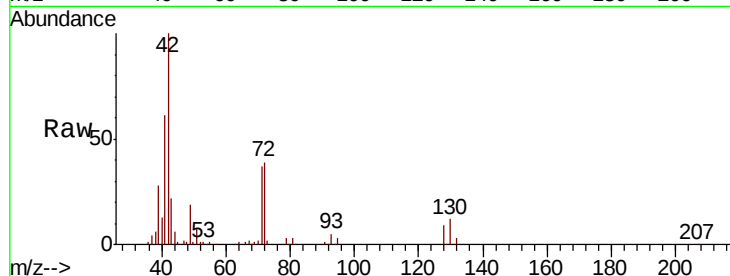




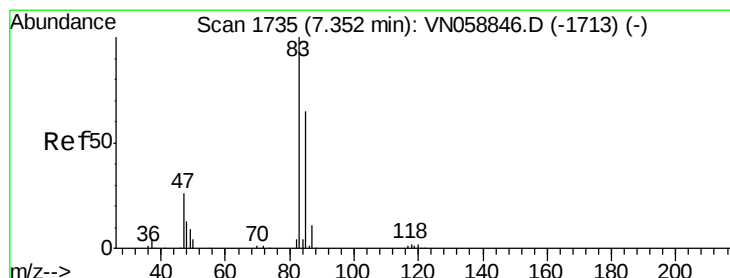
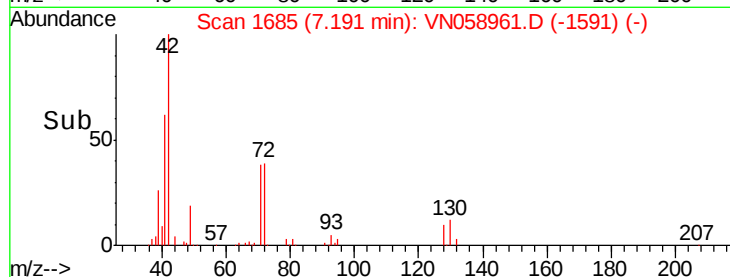
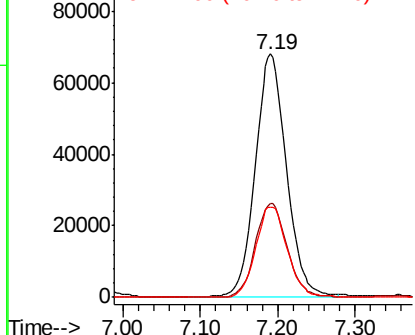
#29
Tetrahydrofuran
Concen: 100.323 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Instrument :
MSVOA_N
ClientSampleId :

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

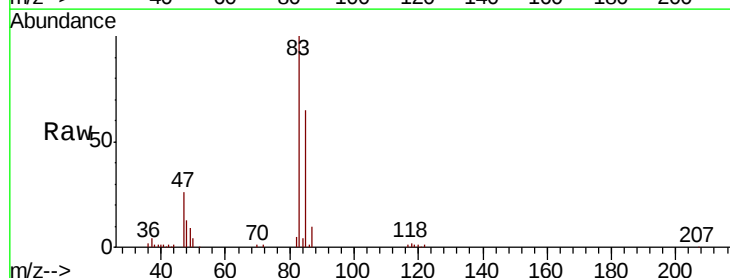


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

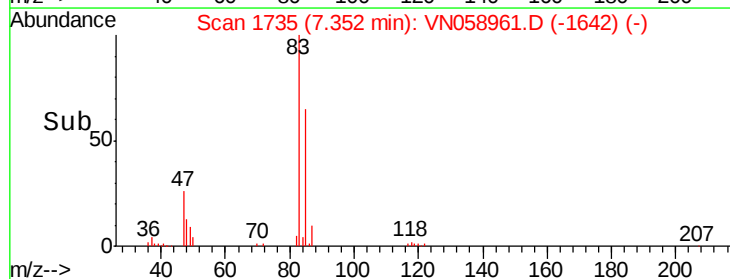
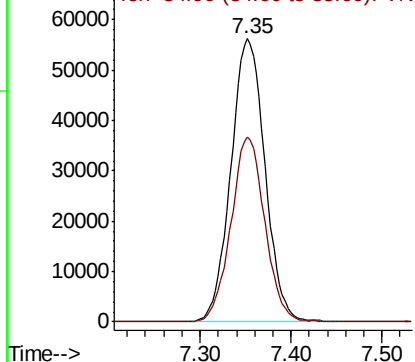


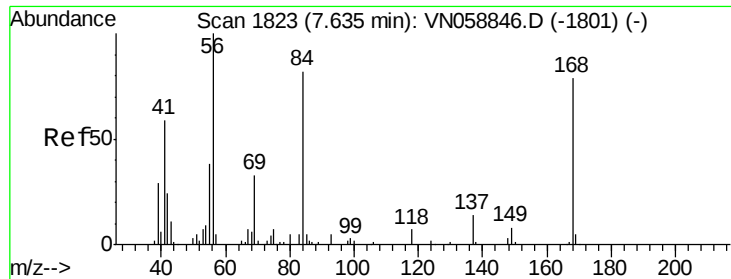
#30
Chloroform
Concen: 19.399 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

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

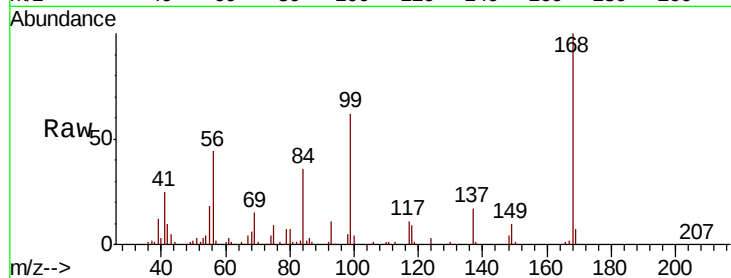




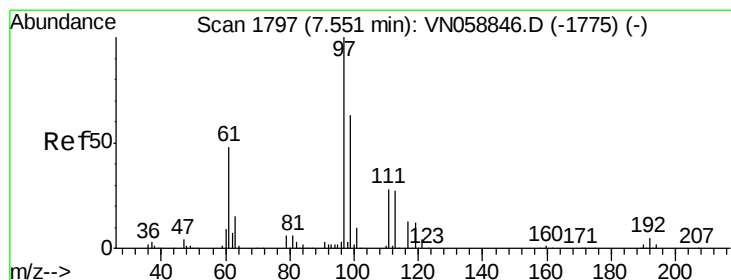
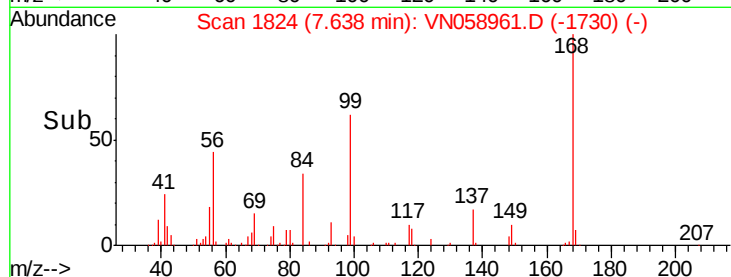
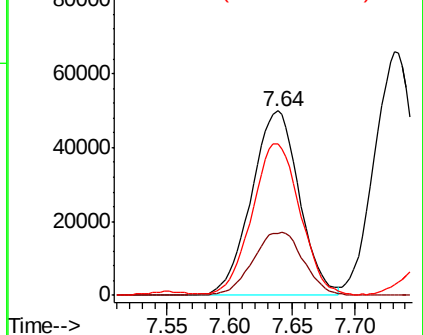
#31
Cyclohexane
Concen: 18.928 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Instrument :
MSVOA_N
ClientSampleId :

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

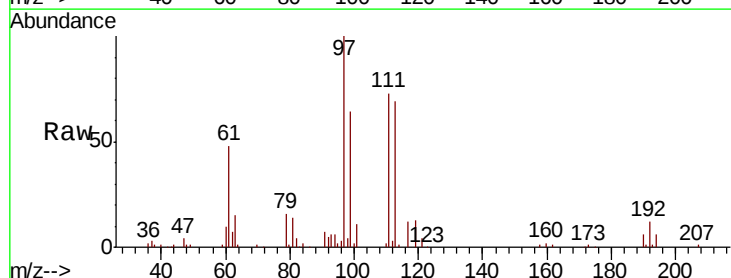


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

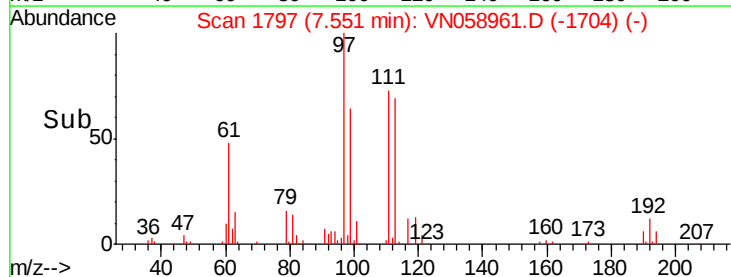
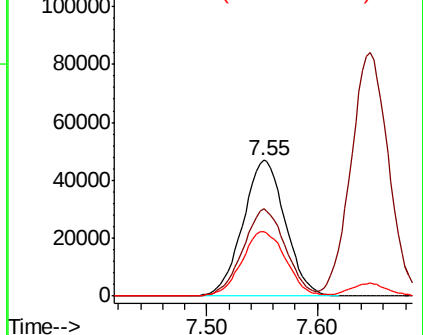


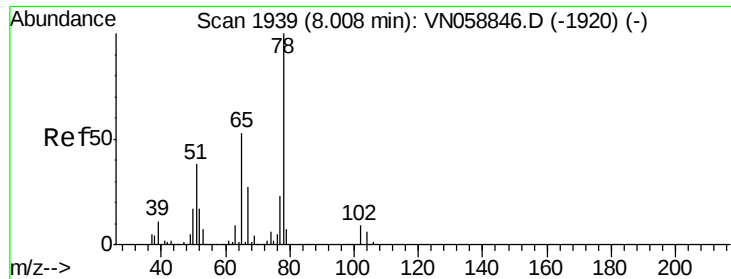
#32
1,1,1-Trichloroethane
Concen: 19.636 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

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

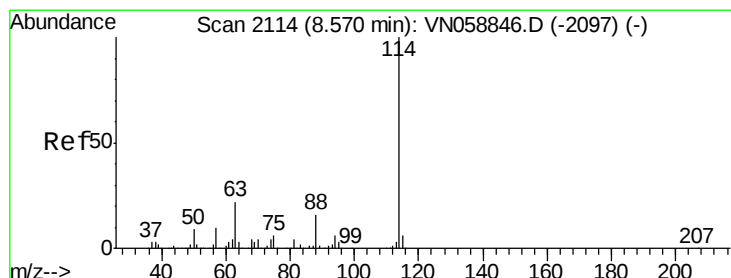
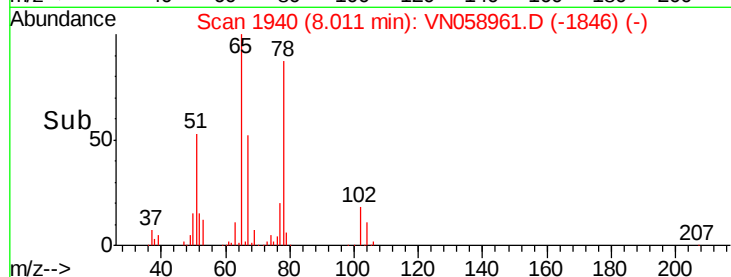
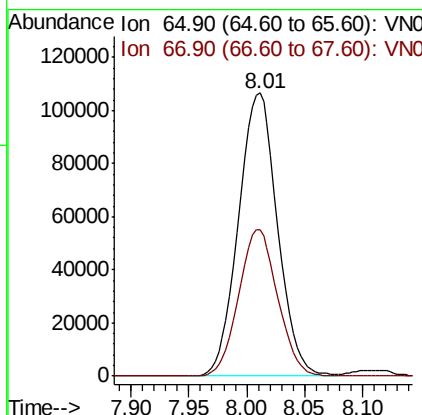
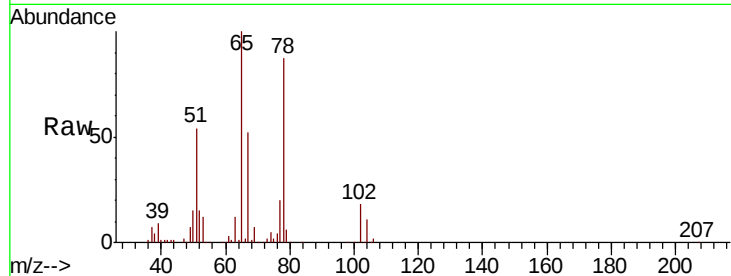




#33
 1,2-Dichloroethane-d4
 Concen: 51.157 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

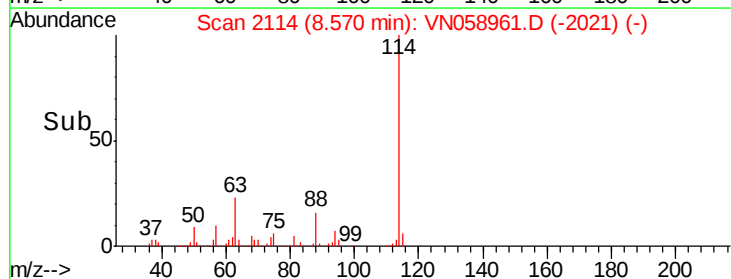
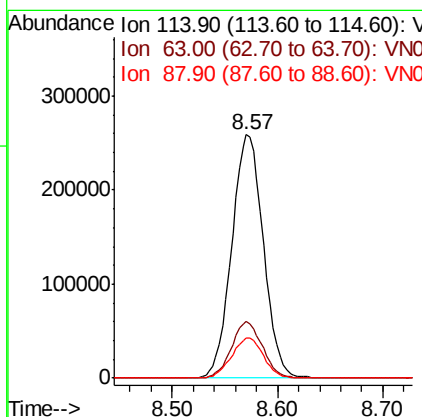
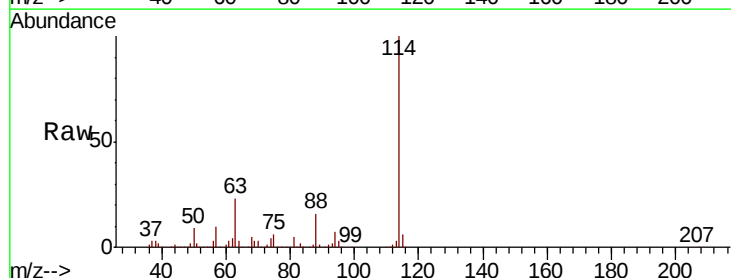
Instrument :
 MSVOA_N
 ClientSampleId :

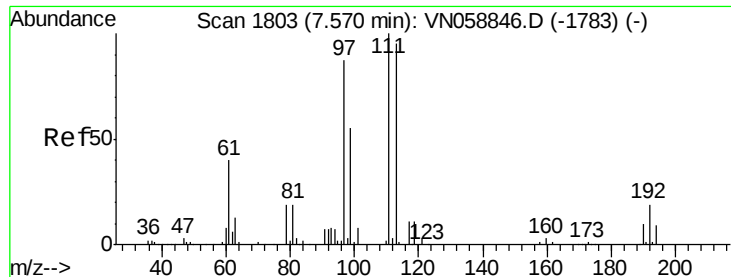
Tot Ion: 65 Resp: 249579
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.2



#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

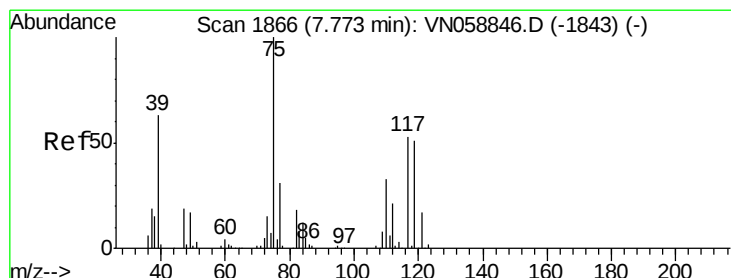
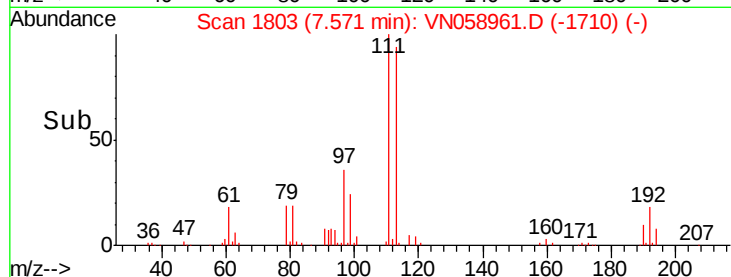
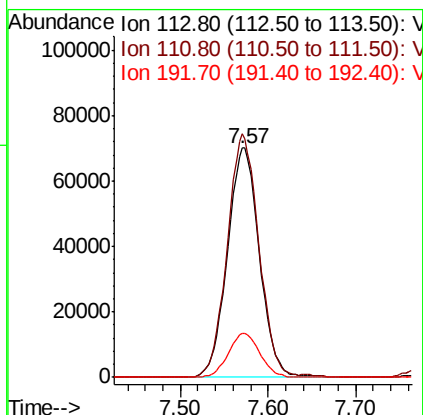
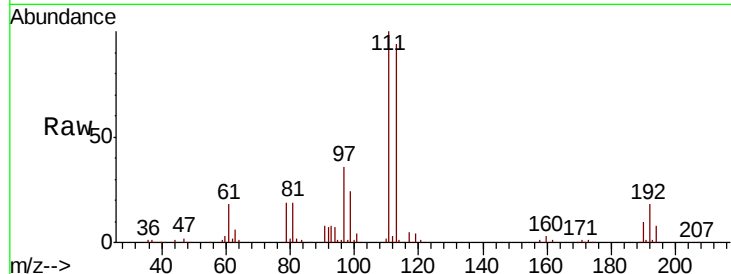




#35
 Dibromofluoromethane
 Concen: 50.273 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

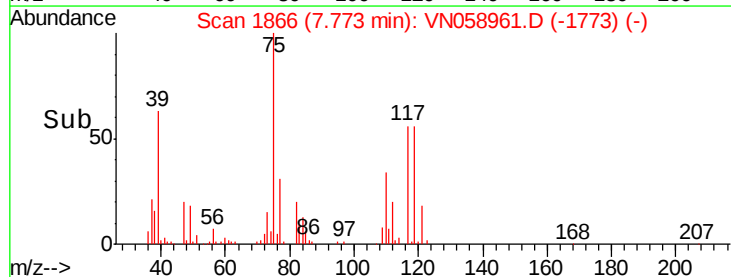
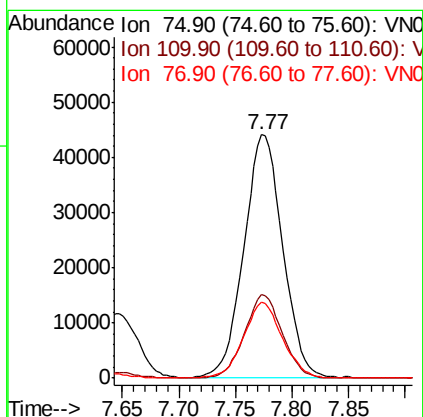
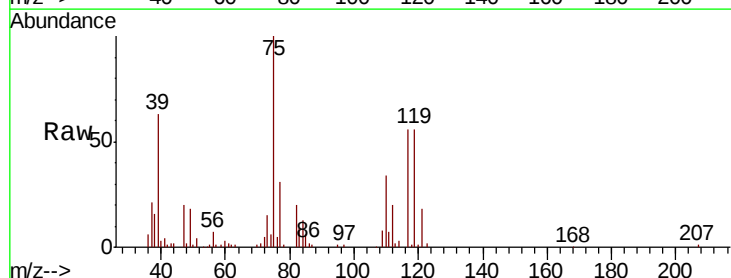
Instrument :
 MSVOA_N
 ClientSampleId :

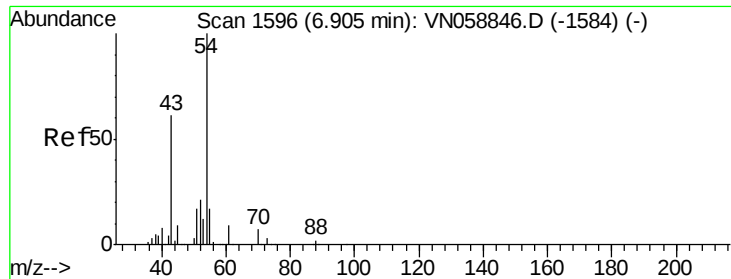
Tot Ion:113 Resp: 177833
 Ion Ratio Lower Upper
 113 100
 111 104.4 82.0 123.0
 192 18.9 15.0 22.6



#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

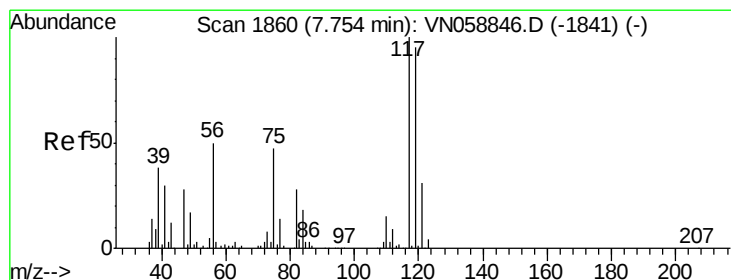
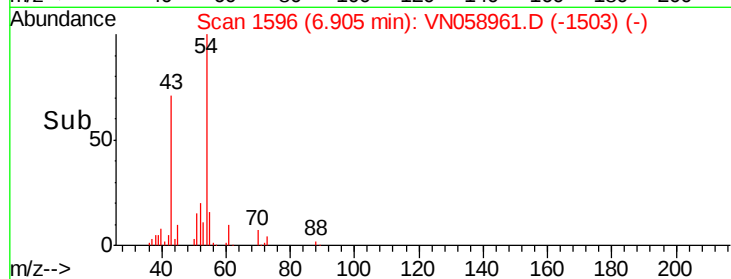
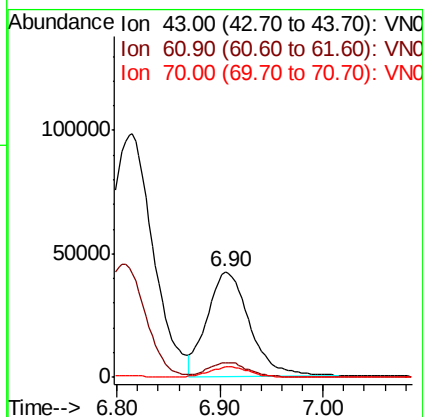
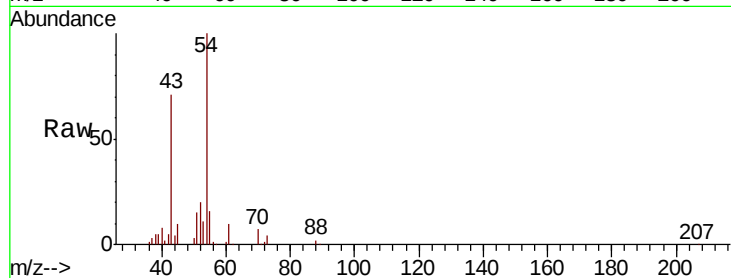




#37
Ethyl Acetate
Concen: 20.042 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

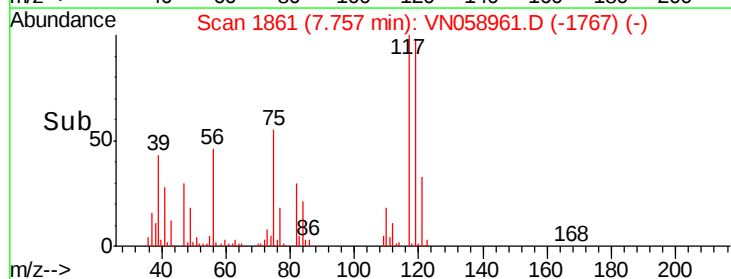
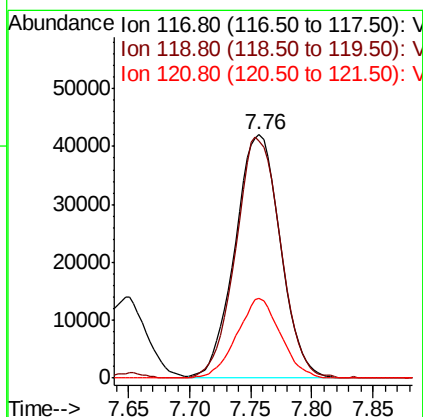
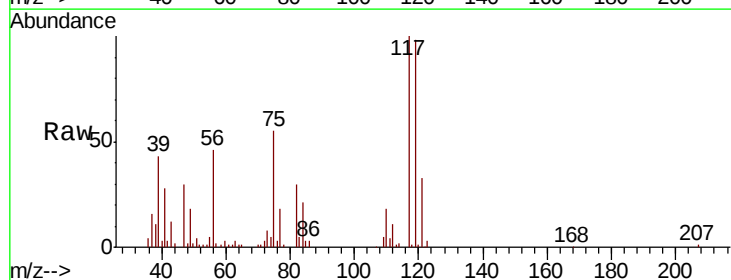
Instrument :
MSVOA_N
ClientSampled :

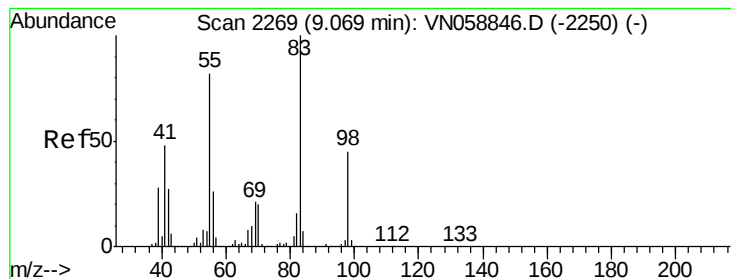
Tot Ion: 43 Resp: 120289
Ion Ratio Lower Upper
43 100
61 14.1 10.5 15.7
70 9.7 7.6 11.4



#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 :

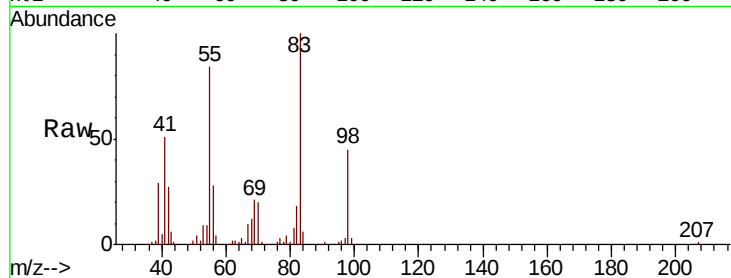
Tot Ion: 83 Resp: 113238

Ion Ratio Lower Upper

83 100

55 84.3 65.5 98.3

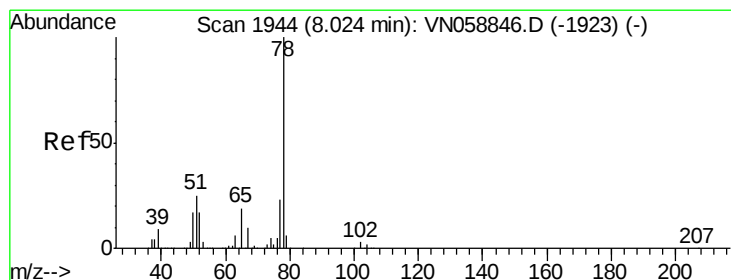
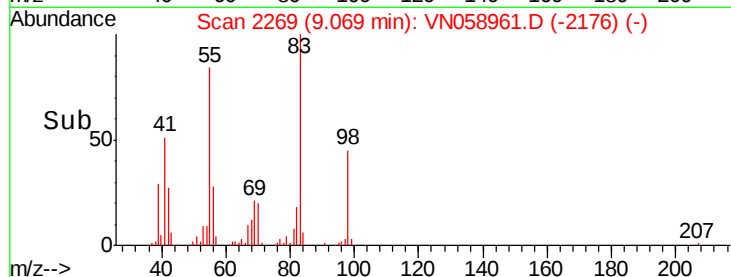
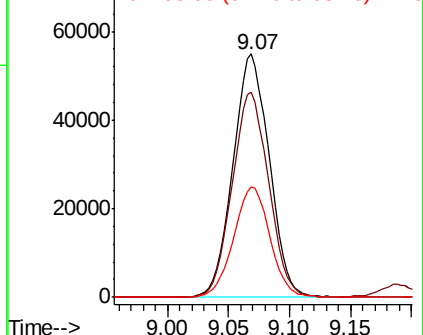
98 45.4 35.7 53.5



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

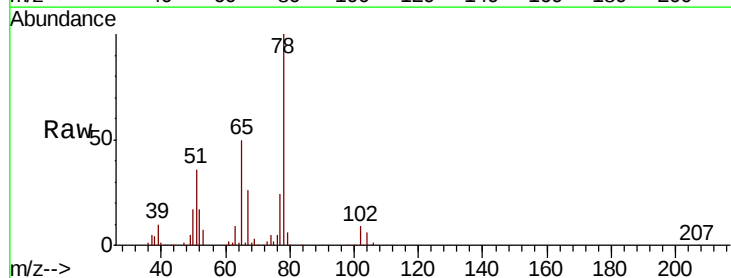
Acq: 24 Oct 2019 15:12

Tgt Ion: 78 Resp: 319752

Ion Ratio Lower Upper

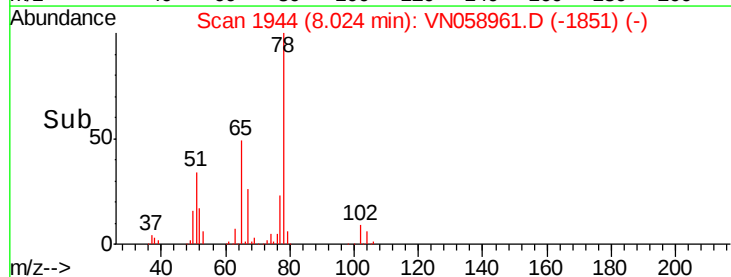
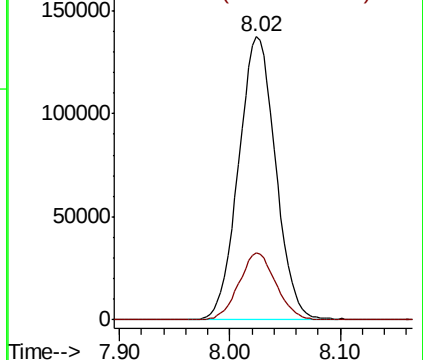
78 100

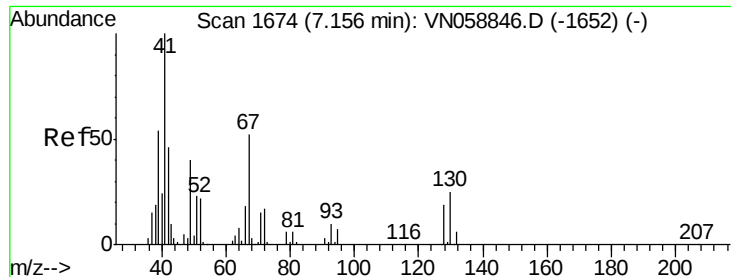
77 23.6 18.2 27.2



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

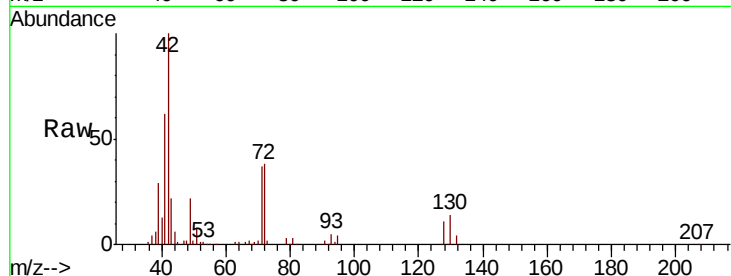




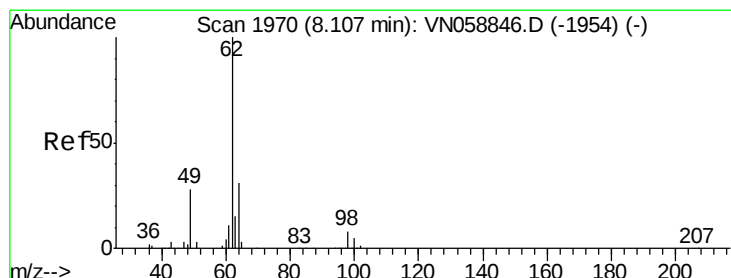
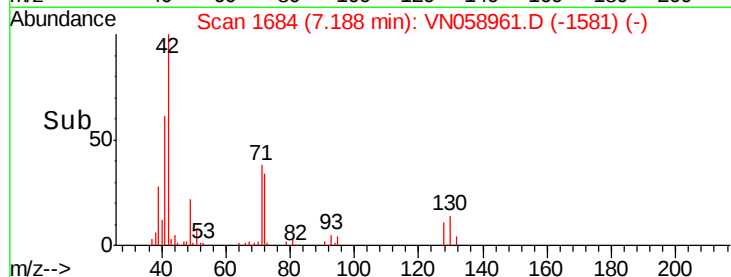
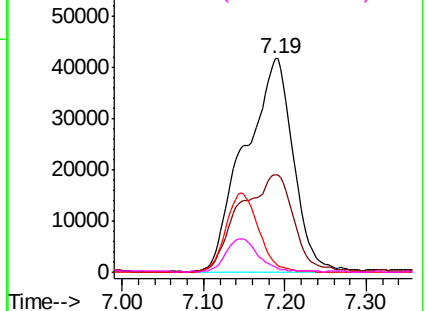
#41
Methacrylonitrile
Concen: 65.187 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Instrument :
MSVOA_N
ClientSampled :

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

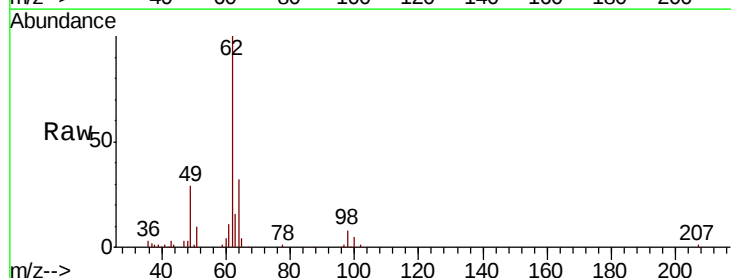


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

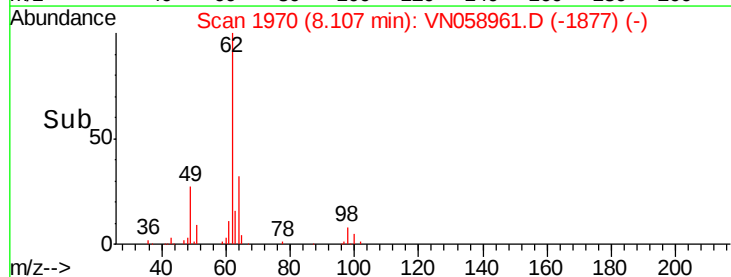
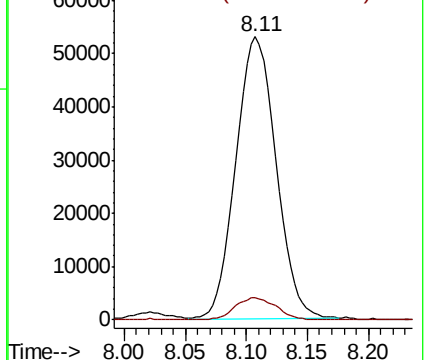


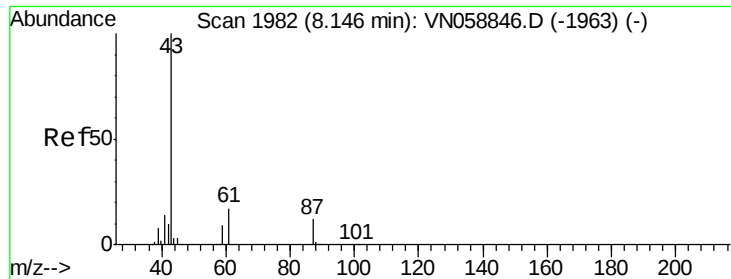
#42
1,2-Dichloroethane
Concen: 19.446 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

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

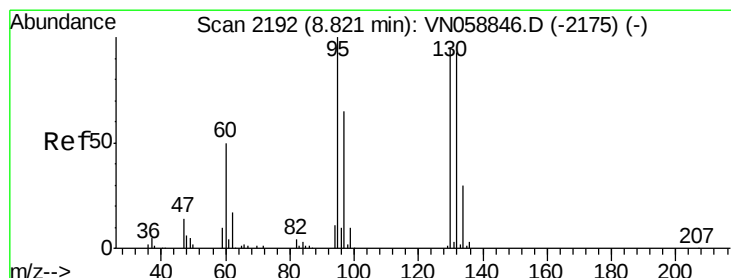
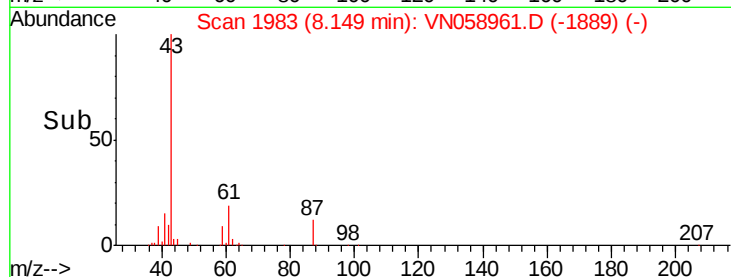
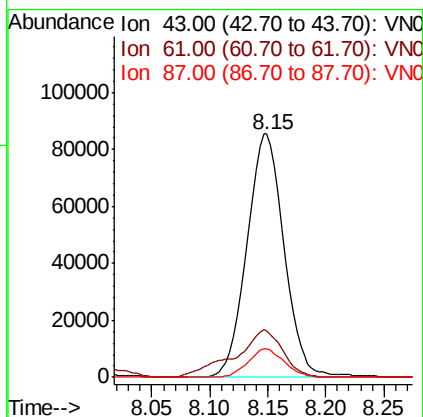
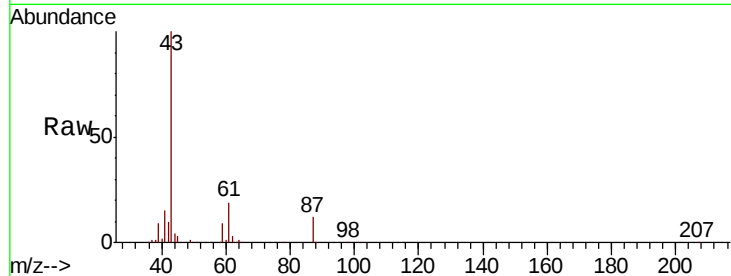




#43
Isopropyl Acetate
Concen: 19.750 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

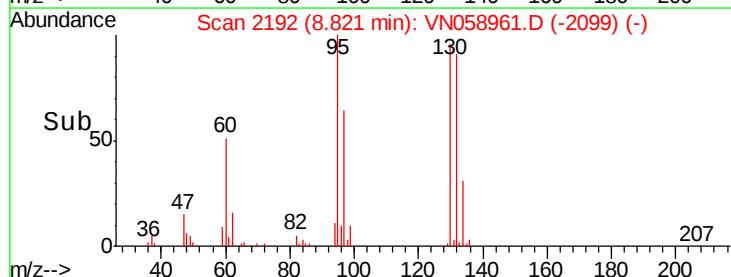
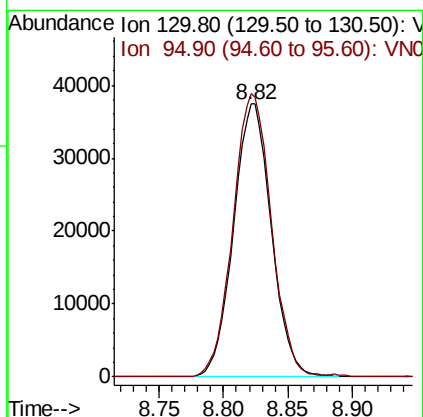
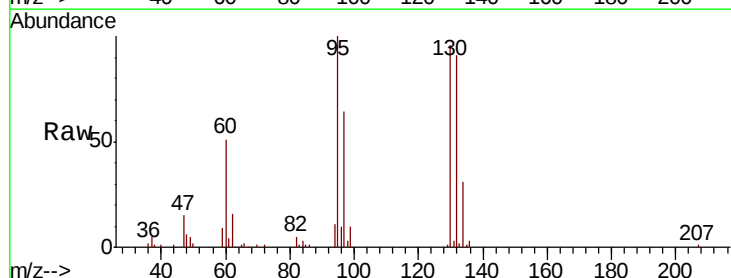
Instrument :
MSVOA_N
ClientSampled :

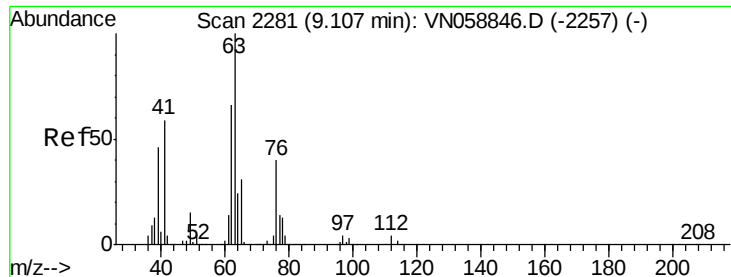
Tot Ion: 43 Resp: 190103
Ion Ratio Lower Upper
43 100
61 25.5 20.2 30.2
87 11.4 9.5 14.3



#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

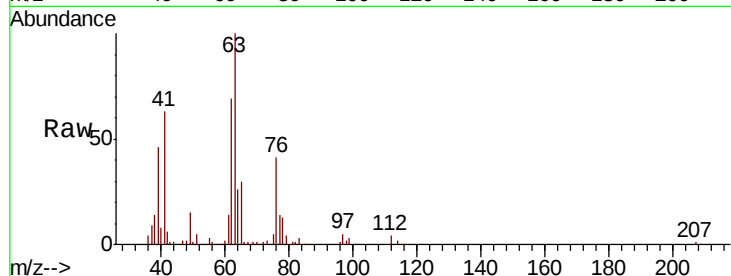
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 63 Resp: 88817

Ion Ratio Lower Upper

63 100

65 30.1 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VN058846.D (-2257) (-)

Ion 64.90 (64.60 to 65.60): VN058846.D (-2257) (-)

9.11

40000

30000

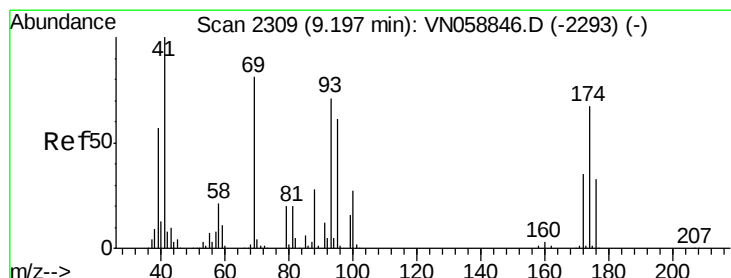
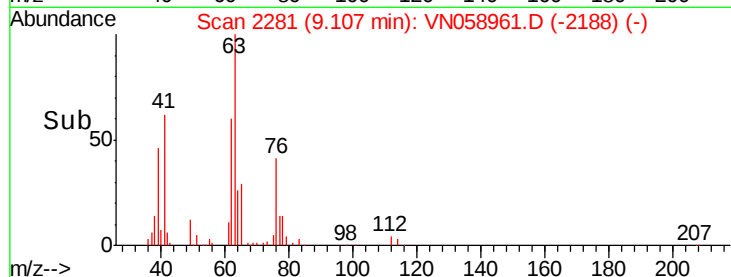
20000

10000

0

9.00 9.05 9.10 9.15 9.20

Time-->



#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

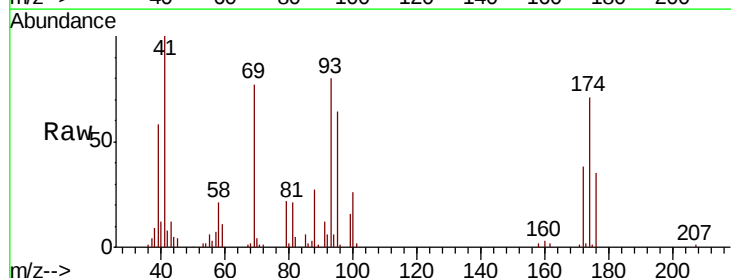
Tgt Ion: 93 Resp: 56163

Ion Ratio Lower Upper

93 100

95 83.2 67.6 101.4

174 89.9 74.1 111.1



Abundance Ion 92.80 (92.50 to 93.50): VN058846.D (-2293) (-)

Ion 94.80 (94.50 to 95.50): VN058846.D (-2293) (-)

Ion 173.70 (173.40 to 174.40): VN058846.D (-2293) (-)

9.20

30000

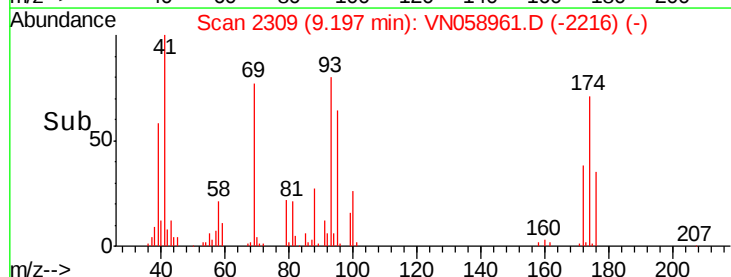
20000

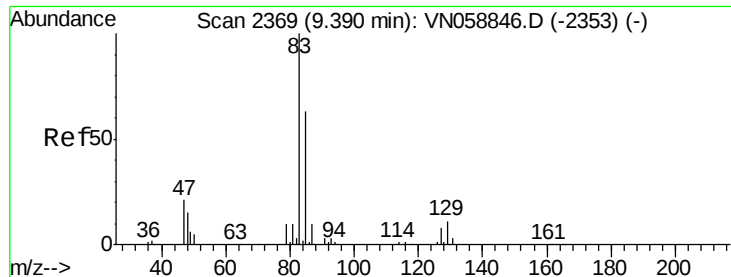
10000

0

9.10 9.15 9.20 9.25 9.30

Time-->

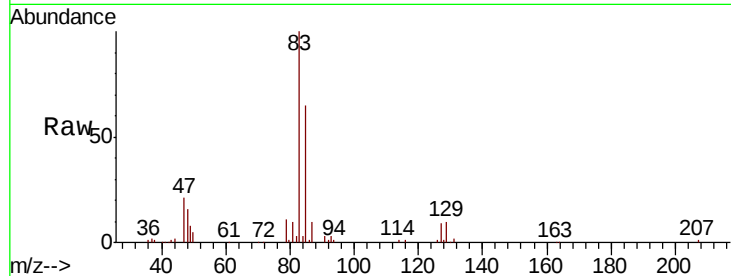




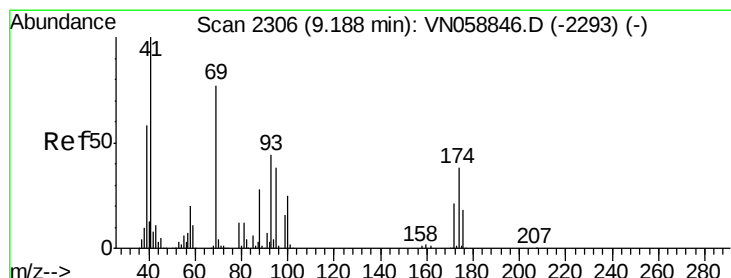
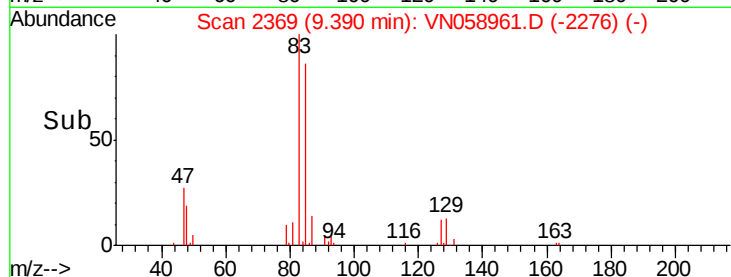
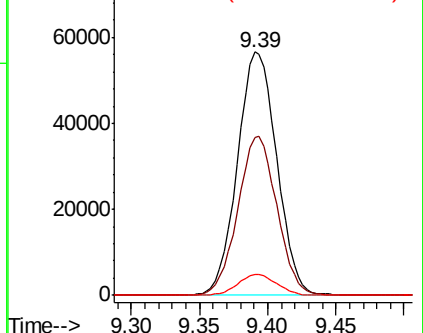
#47
 Bromodichloromethane
 Concen: 19.618 ug/l
 RT: 9.39 min Scan# 2369
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

Instrument :
 MSVOA_N
 ClientSampleId :

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

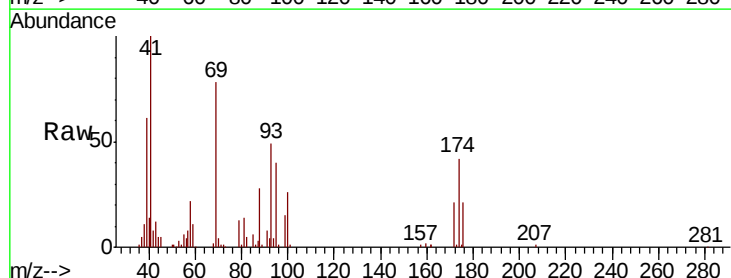


Abundance Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 126.80 (126.50 to 127.50): V

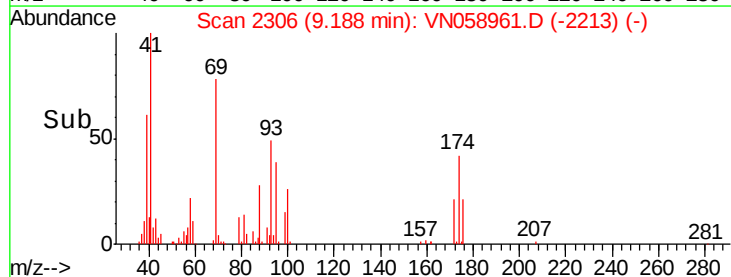
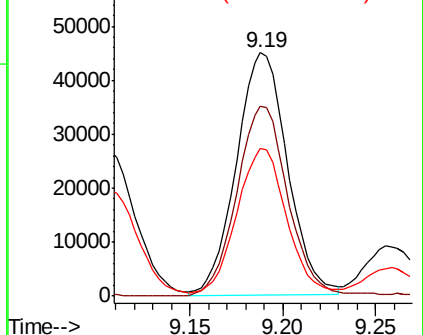


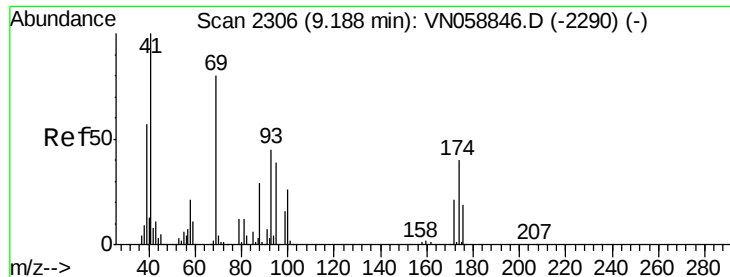
#48
 Methyl methacrylate
 Concen: 19.762 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

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): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0

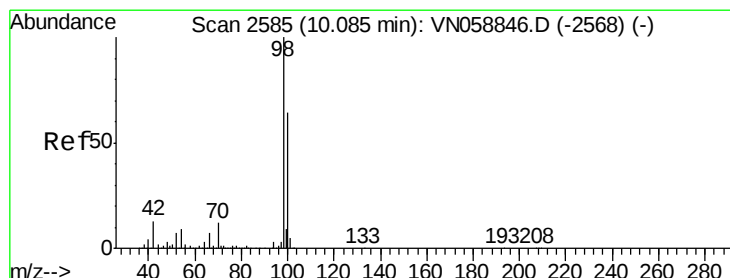
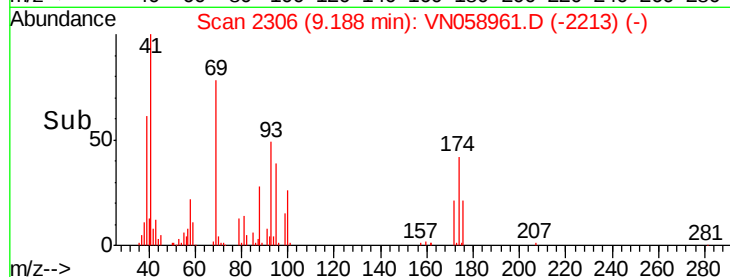
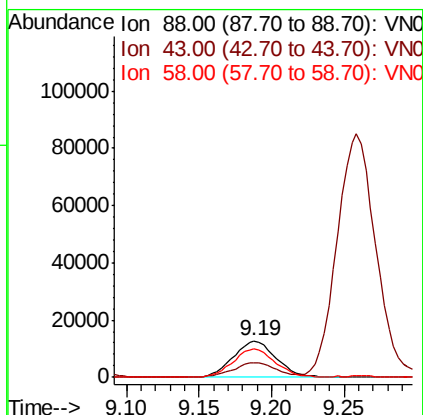
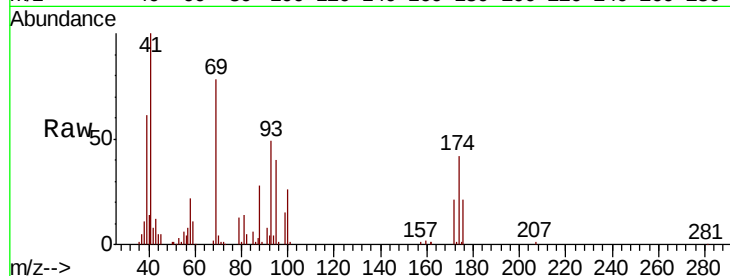




#49
1,4-Dioxane
Concen: 366.926 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

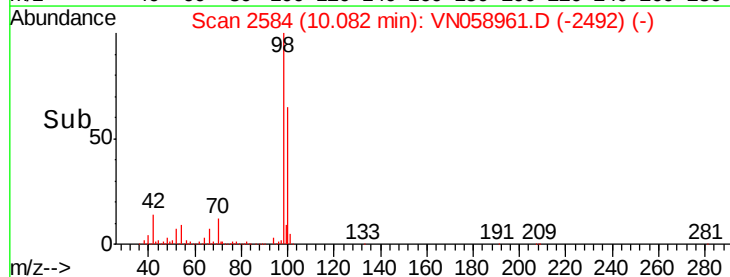
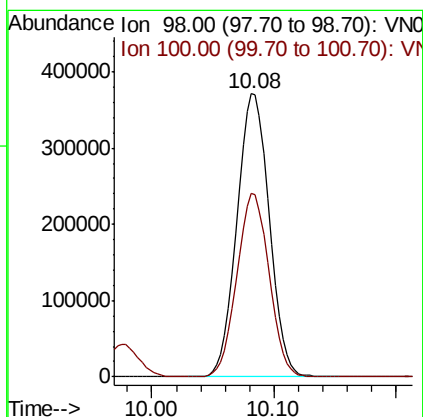
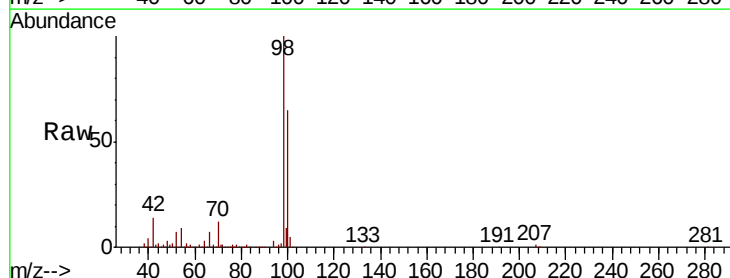
Instrument :
MSVOA_N
ClientSampled :

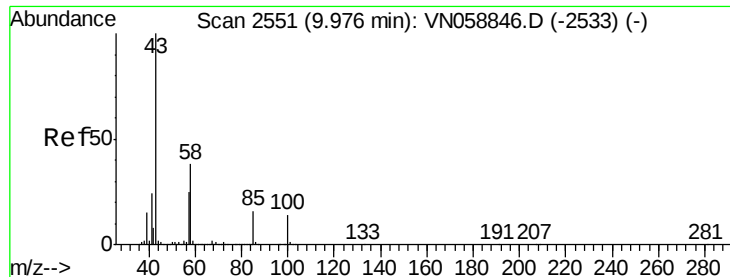
Tot Ion: 88 Resp: 26305
Ion Ratio Lower Upper
88 100
43 40.5 29.1 43.7
58 76.6 59.4 89.0



#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





#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

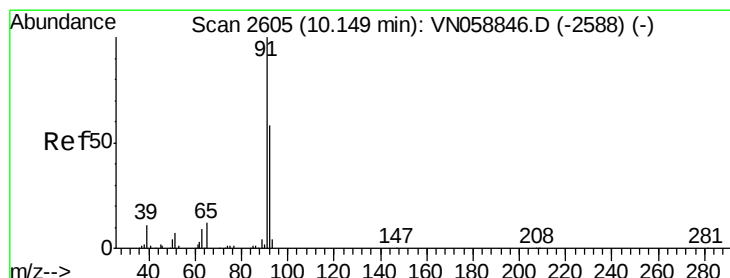
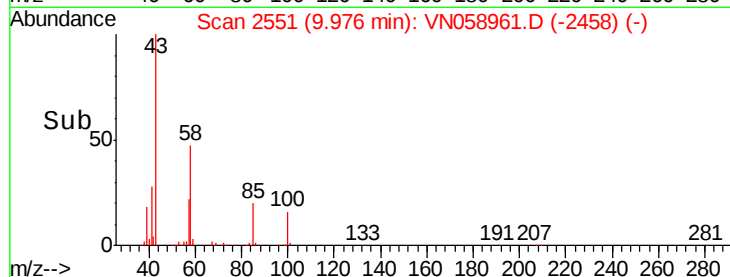
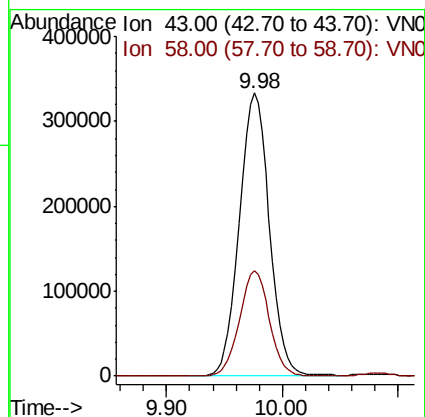
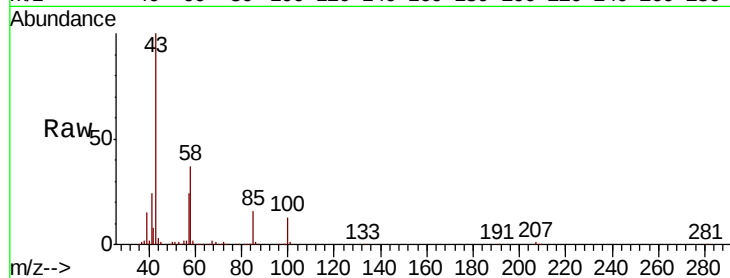
ClientSampleId :

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

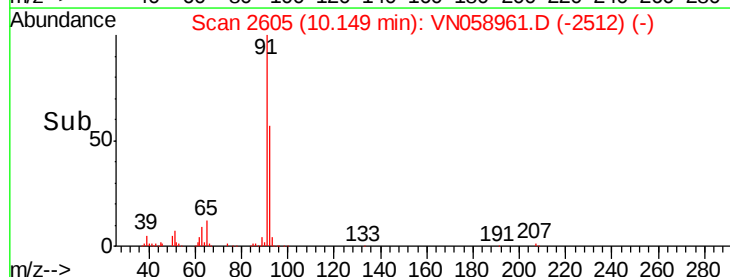
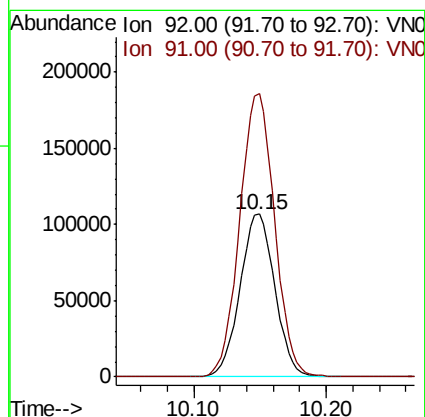
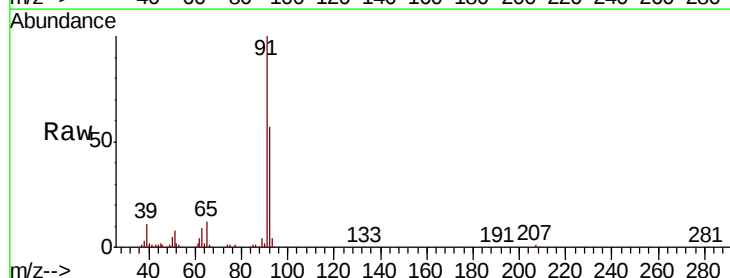
Acq: 24 Oct 2019 15:12

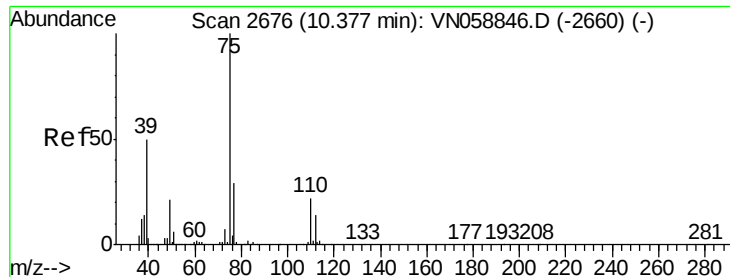
Tgt Ion: 92 Resp: 194824

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

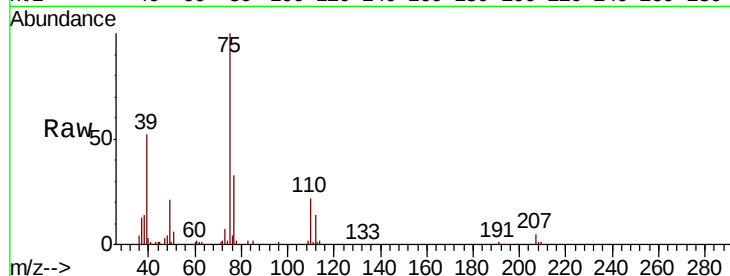
ClientSampleId :

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

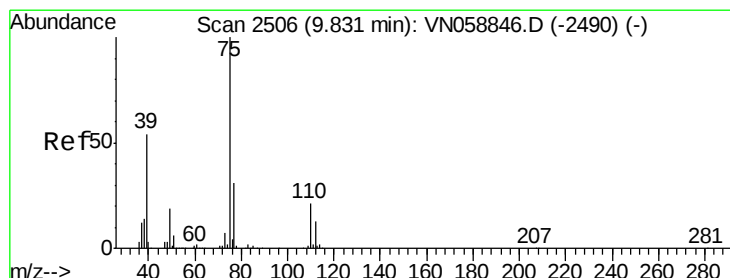
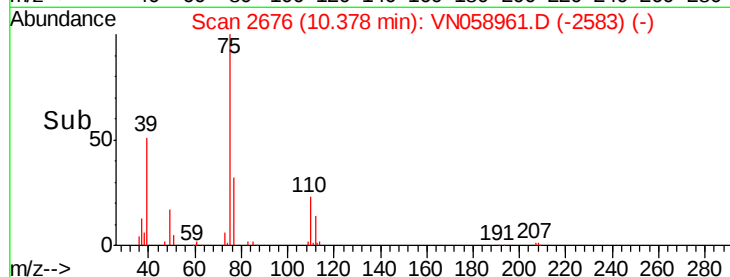
60000

40000

20000

0

Time-->



#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

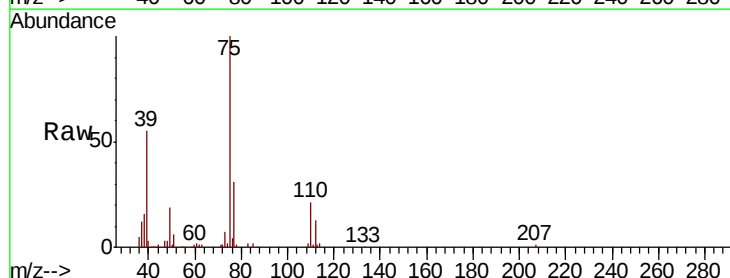
Tgt Ion: 75 Resp: 133039

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

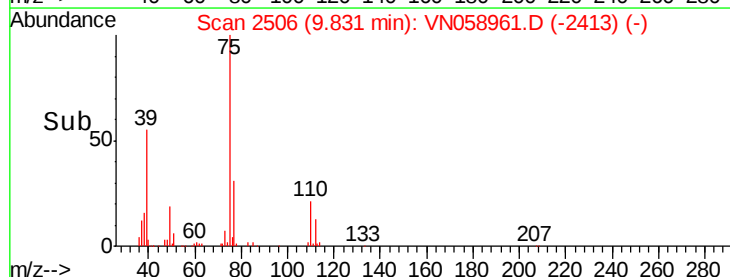
60000

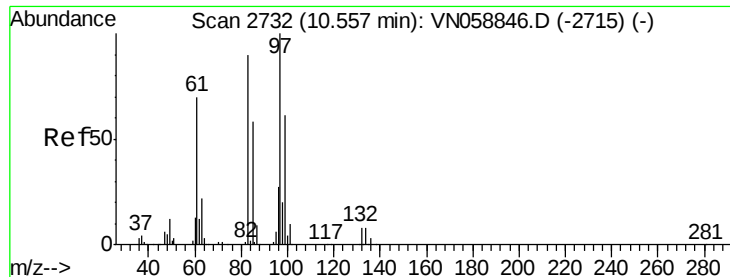
40000

20000

0

Time-->





#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 :

Tot Ion: 97 Resp: 77674

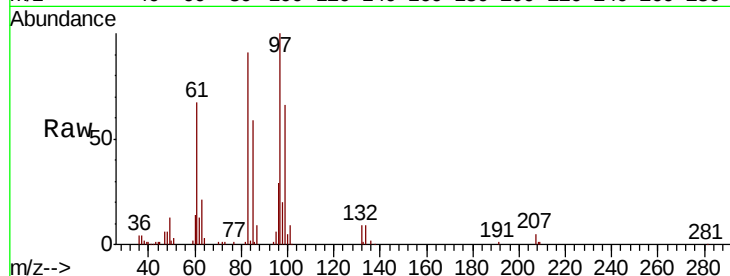
Ion Ratio Lower Upper

97 100

83 90.7 72.2 108.4

85 59.0 46.2 69.2

99 65.5 48.7 73.1

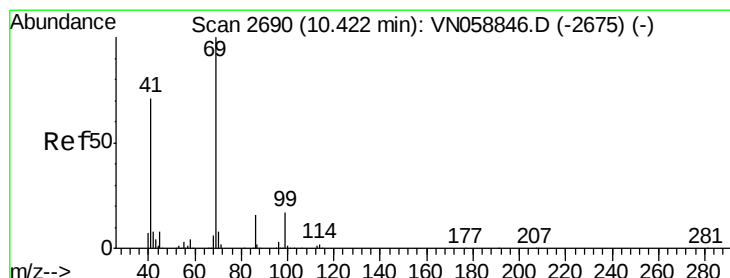
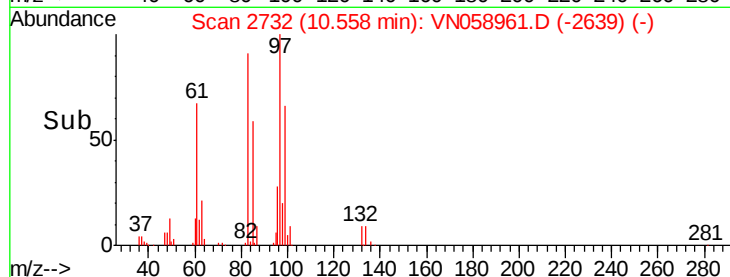
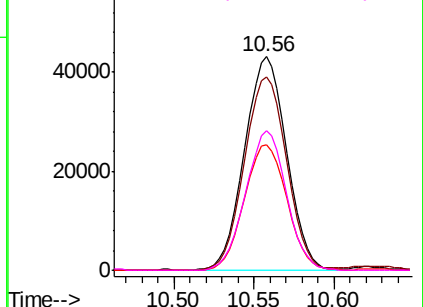


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#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

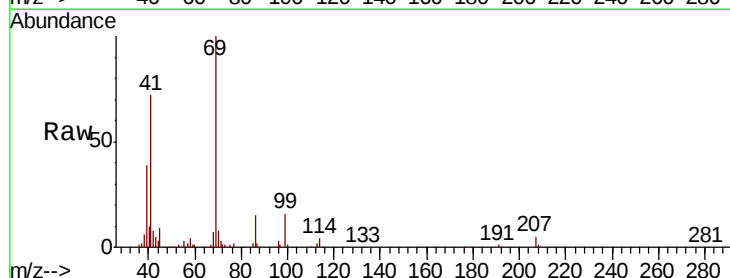
Tgt Ion: 69 Resp: 113694

Ion Ratio Lower Upper

69 100

41 72.2 57.2 85.8

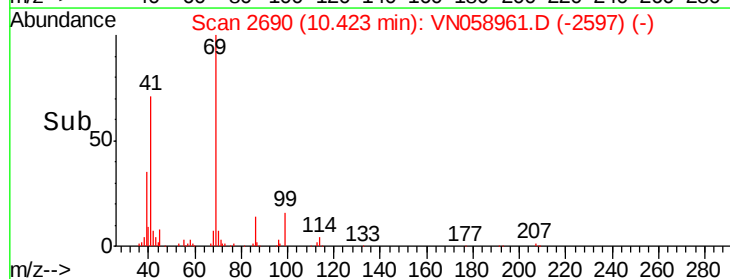
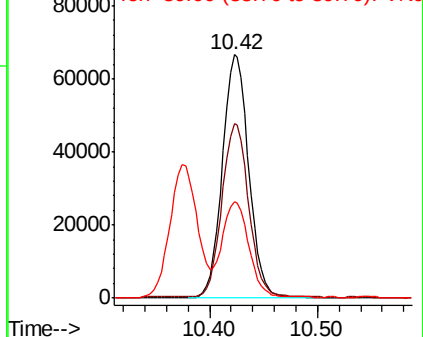
39 38.9 31.0 46.4

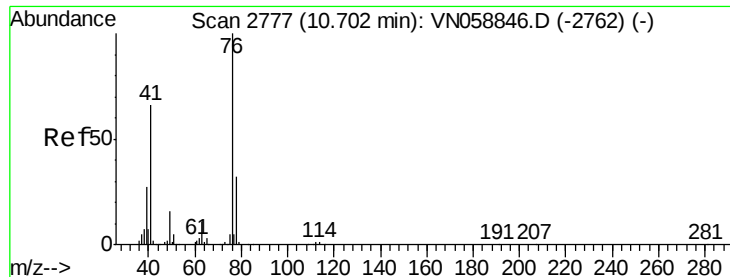


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#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

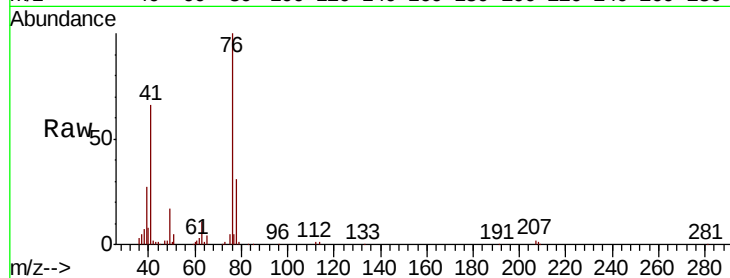
ClientSampleId :

Tot Ion: 76 Resp: 138025

Ion Ratio Lower Upper

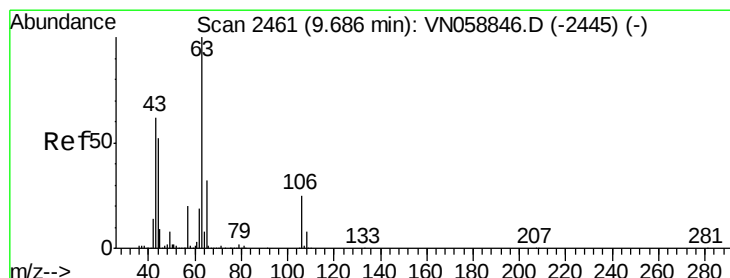
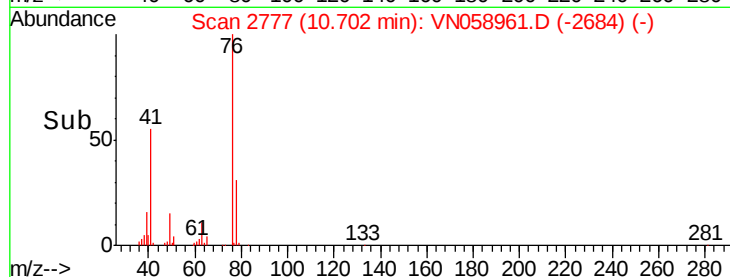
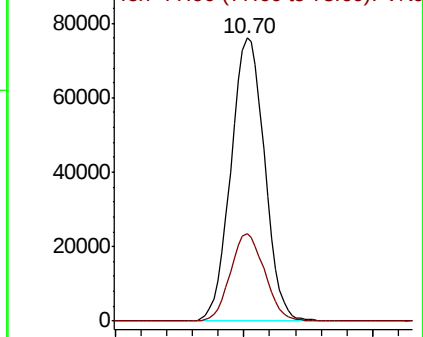
76 100

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



#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

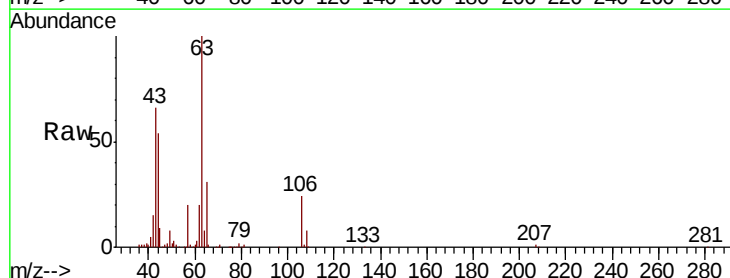
Acq: 24 Oct 2019 15:12

Tgt Ion: 63 Resp: 251293

Ion Ratio Lower Upper

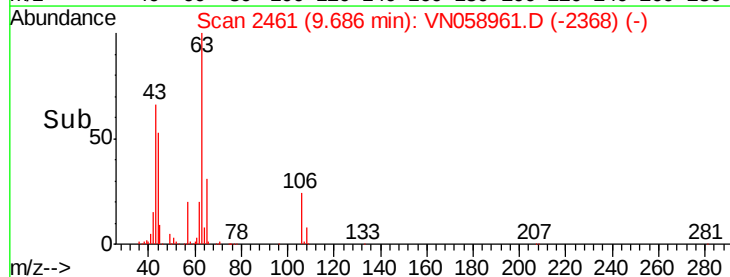
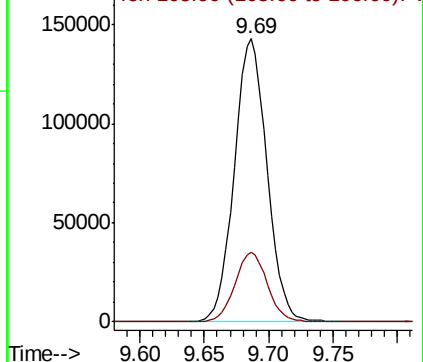
63 100

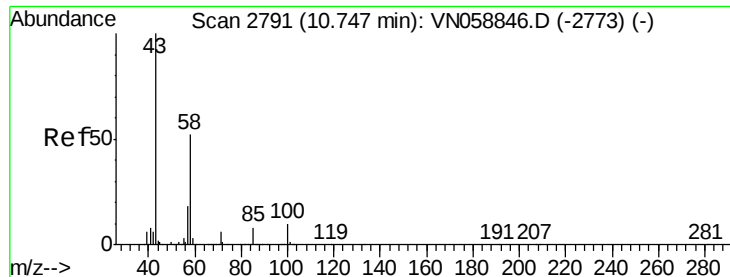
106 24.4 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

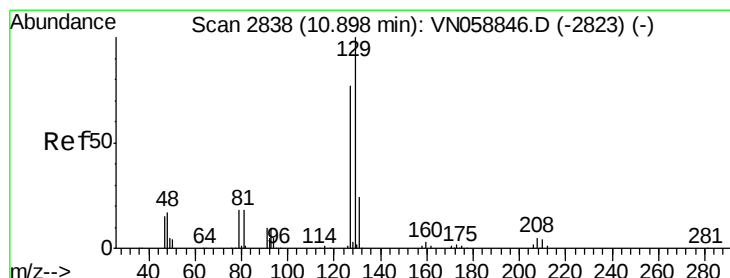
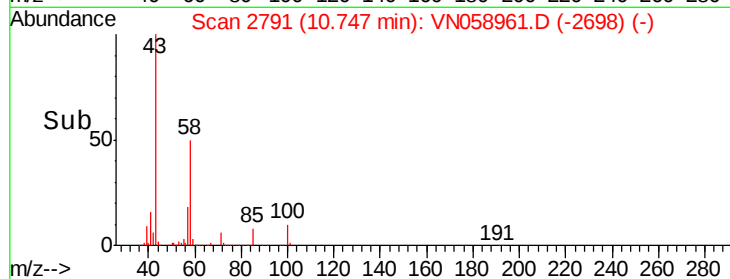
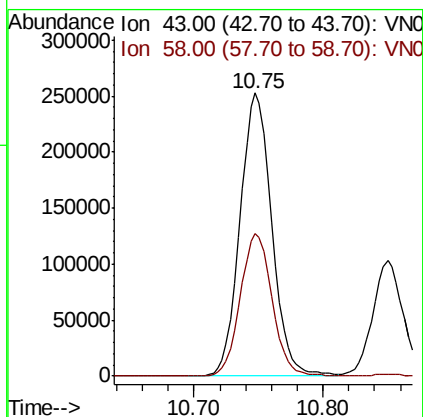
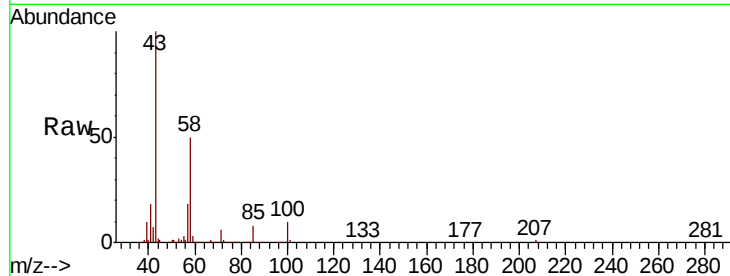




#59
2-Hexanone
Concen: 99.425 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

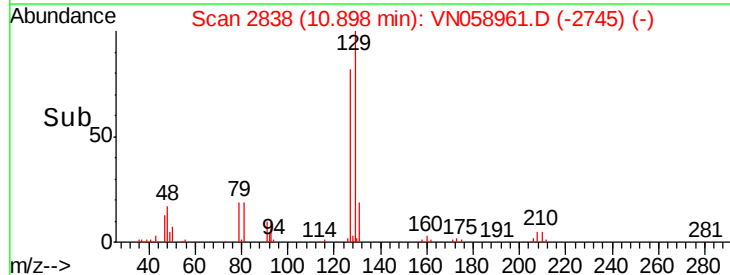
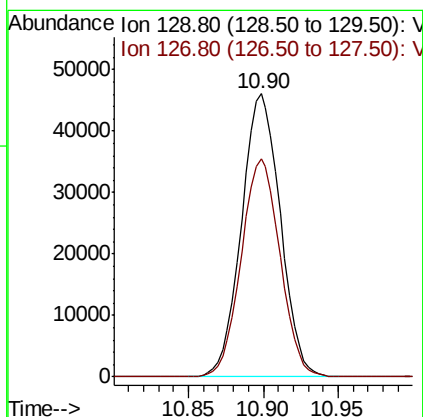
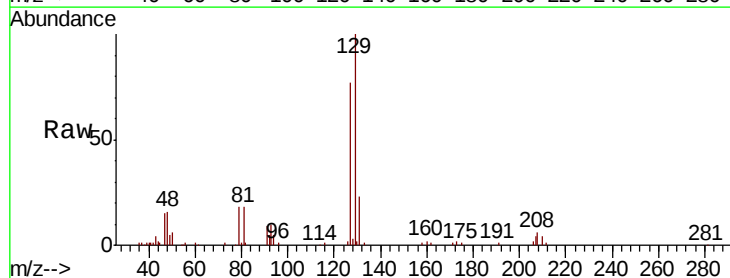
Instrument :
MSVOA_N
ClientSampled :

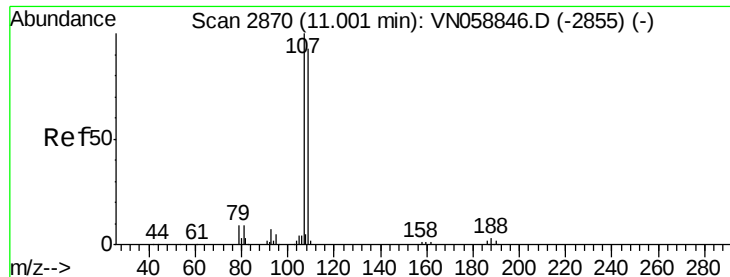
Tot Ion: 43 Resp: 431953
Ion Ratio Lower Upper
43 100
58 50.7 25.9 77.7



#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

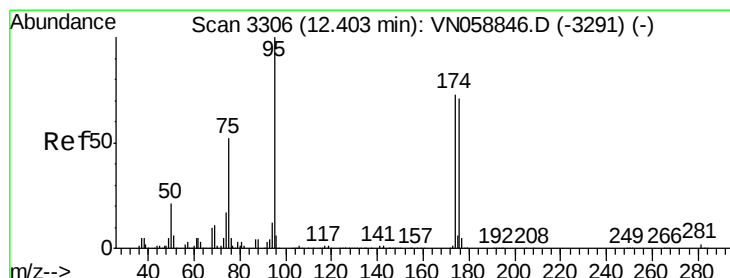
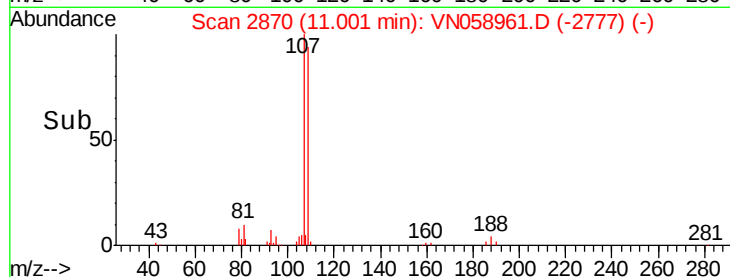
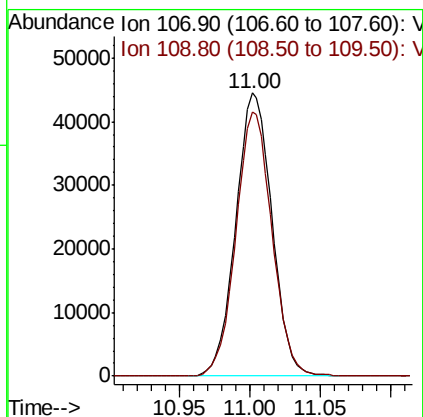
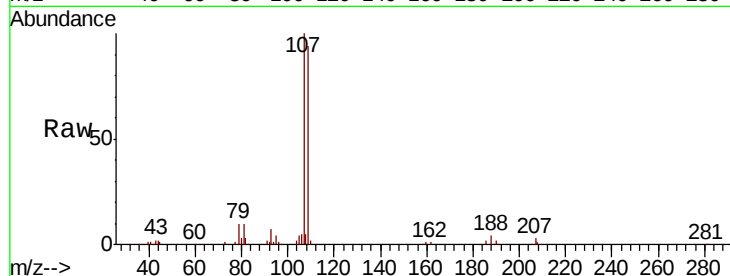




#61
 1,2-Dibromoethane
 Concen: 19.768 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

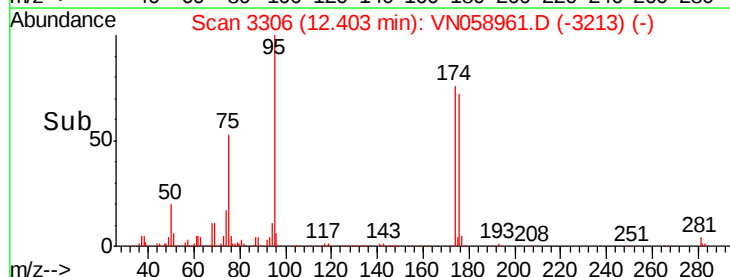
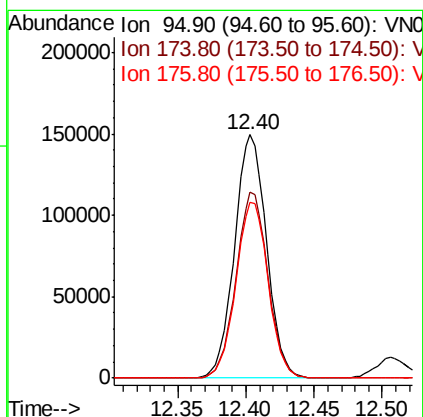
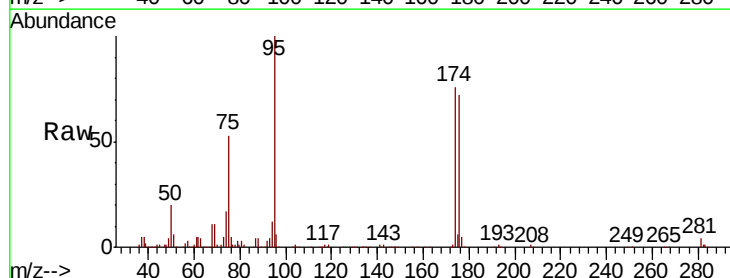
Instrument :
 MSVOA_N
 ClientSampleId :

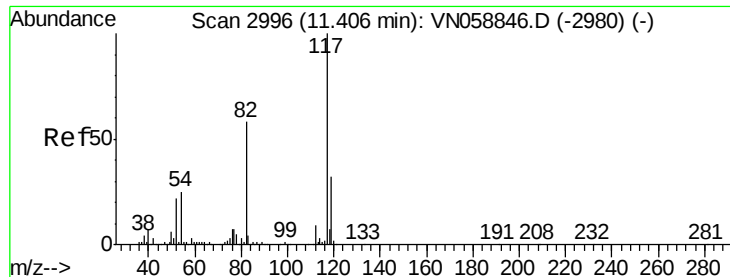
Tot Ion: 107 Resp: 79939
 Ion Ratio Lower Upper
 107 100
 109 93.1 75.2 112.8



#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





#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 :

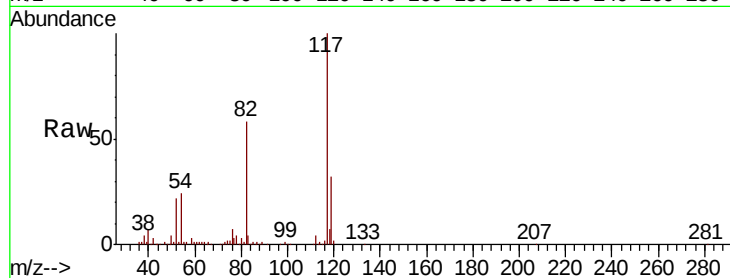
Tot Ion:117 Resp: 501984

Ion Ratio Lower Upper

117 100

82 58.4 46.6 69.8

119 31.8 25.6 38.4

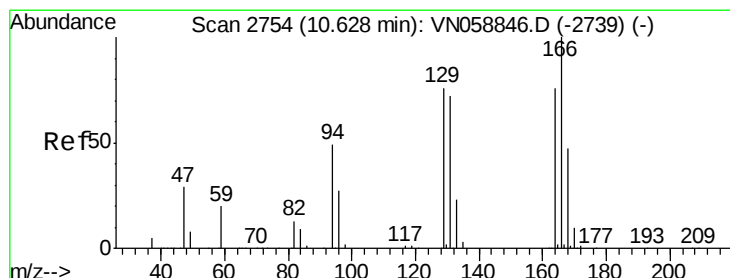
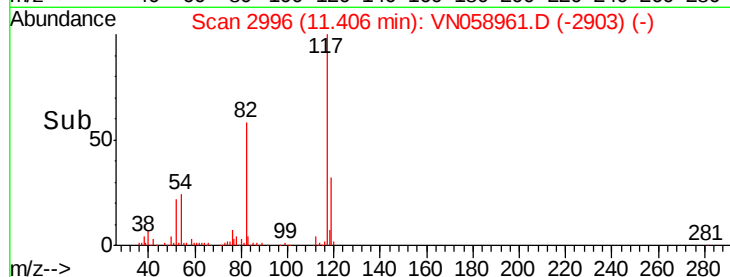
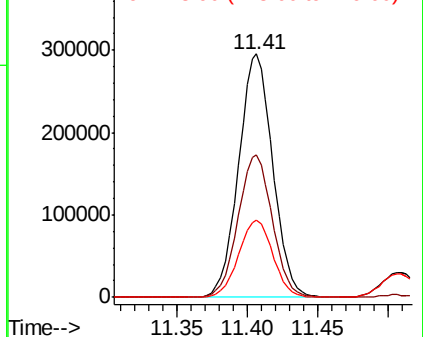


Abundance

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

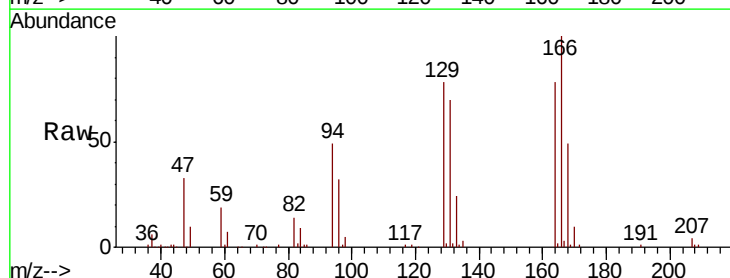
Ion Ratio Lower Upper

164 100

166 128.9 104.8 157.2

129 100.3 79.3 118.9

131 90.3 75.8 113.6



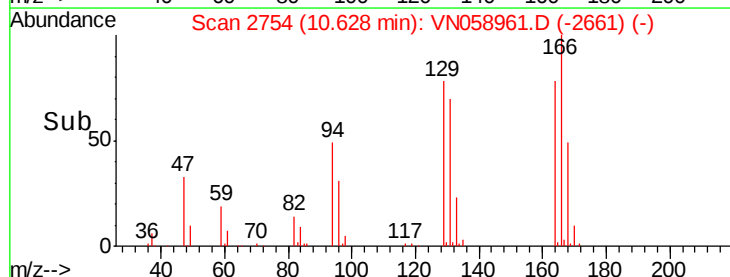
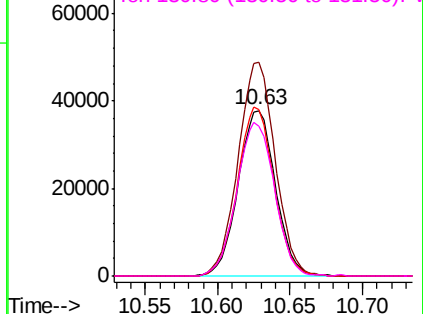
Abundance

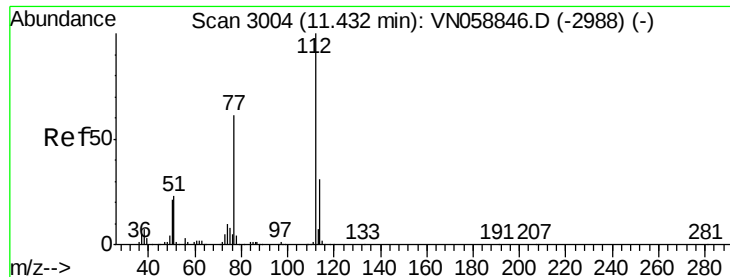
Ion 163.80 (163.50 to 164.50): V

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

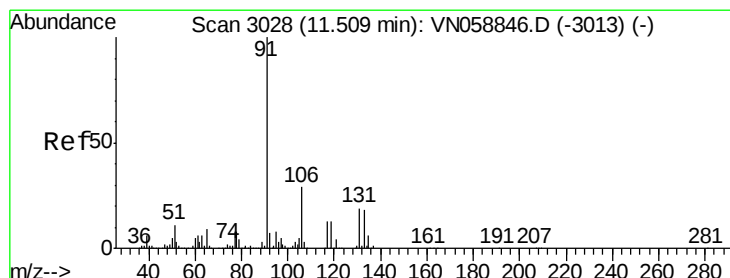
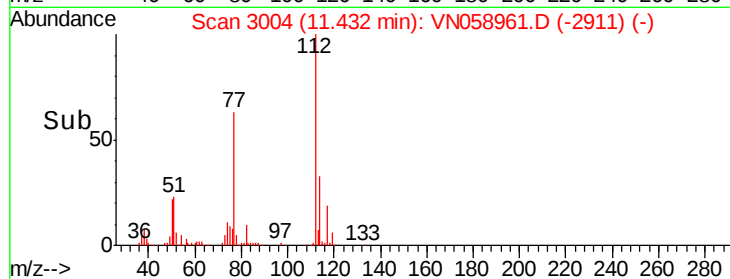
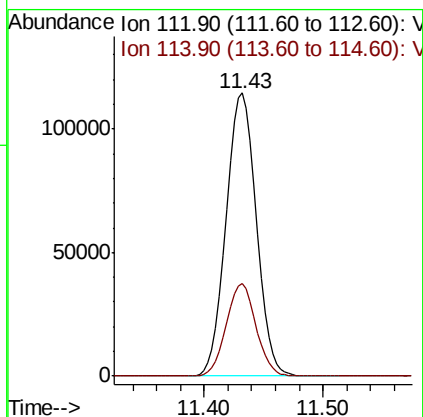
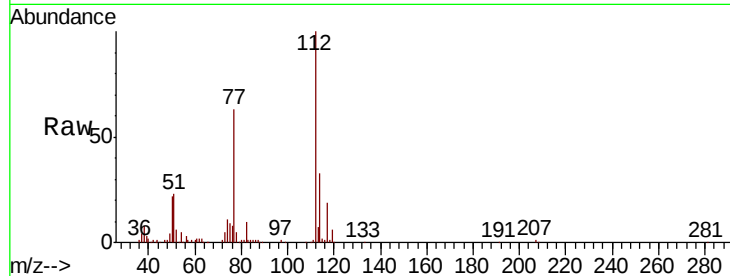




#65
Chlorobenzene
Concen: 19.779 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

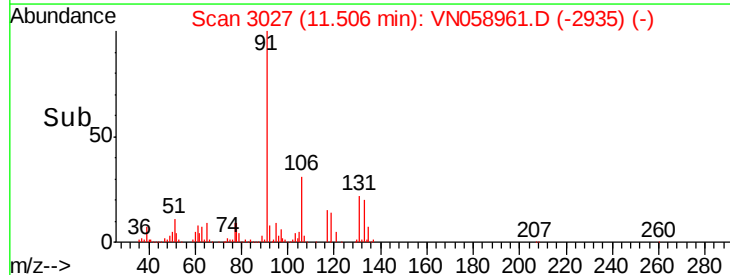
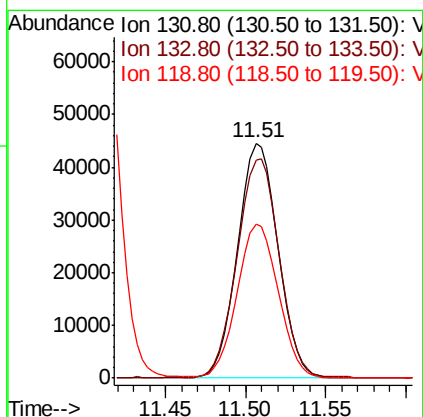
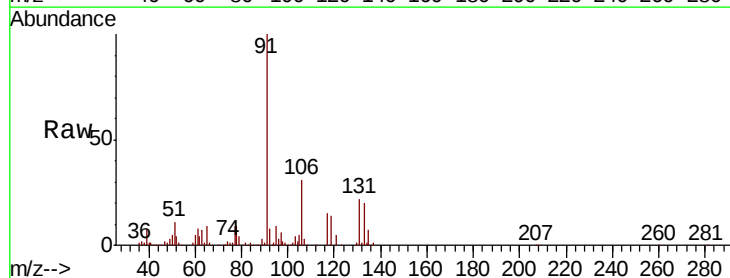
Instrument :
MSVOA_N
ClientSampled :

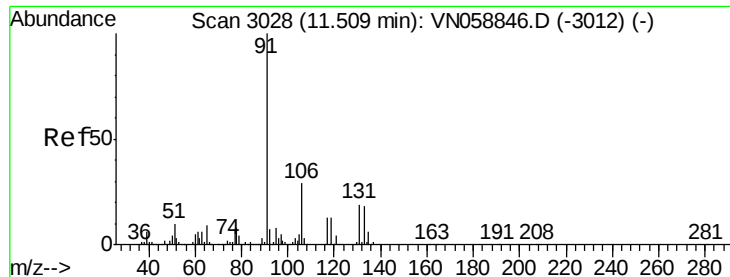
Tot Ion:112 Resp: 202134
Ion Ratio Lower Upper
112 100
114 32.7 25.1 37.7



#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

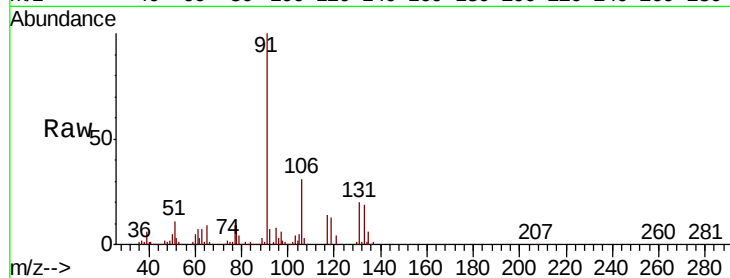
ClientSampled :

Tot Ion: 91 Resp: 361668

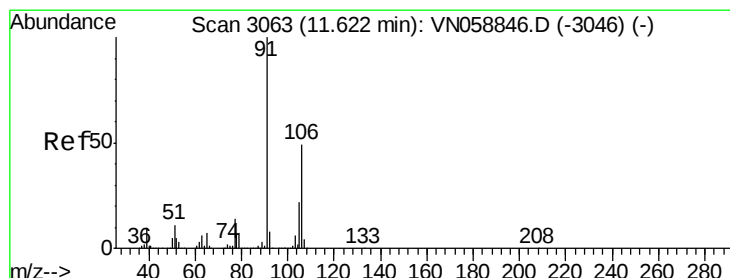
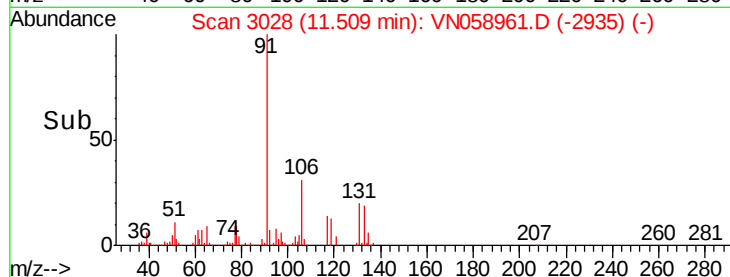
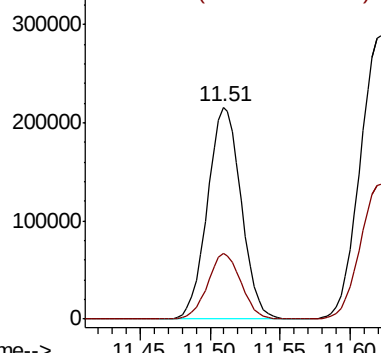
Ion Ratio Lower Upper

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

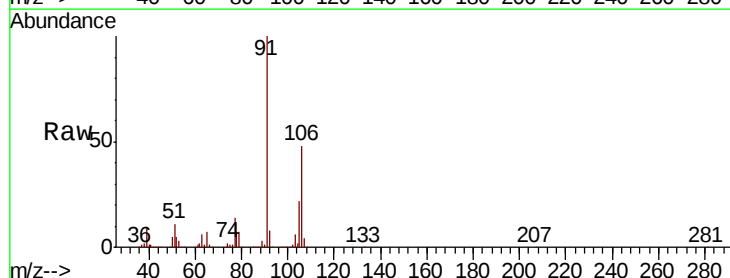
Acq: 24 Oct 2019 15:12

Tgt Ion: 106 Resp: 266546

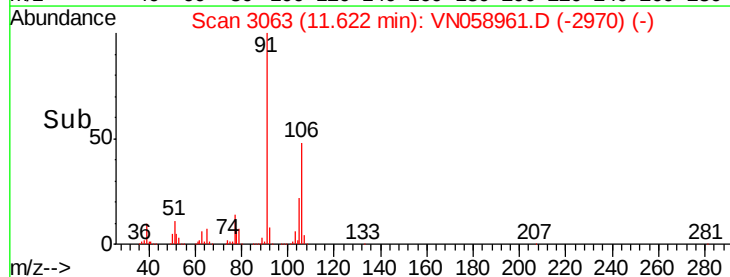
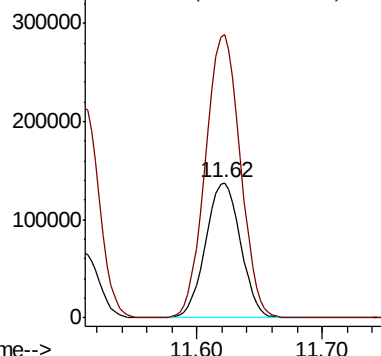
Ion Ratio Lower Upper

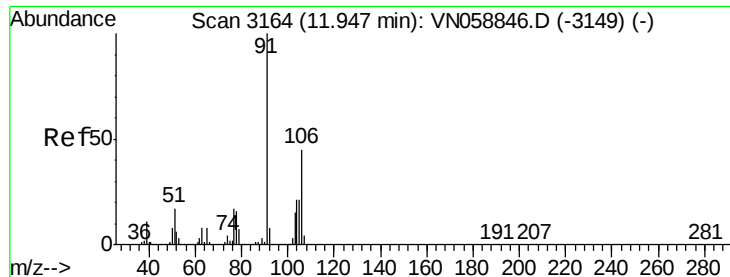
106 100

91 209.2 166.6 249.8



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

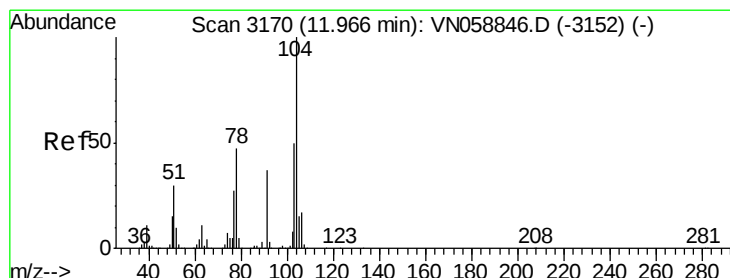
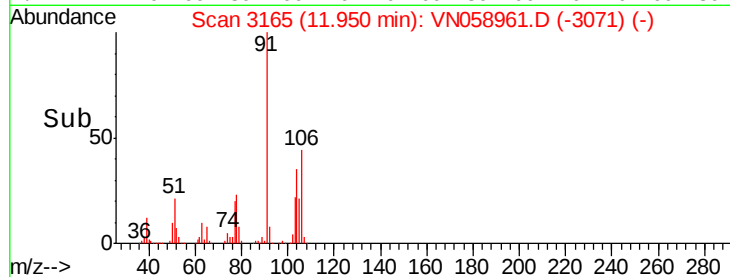
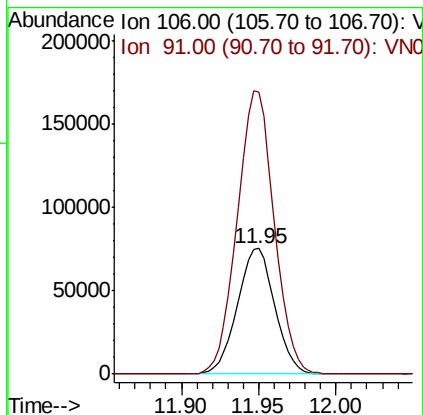
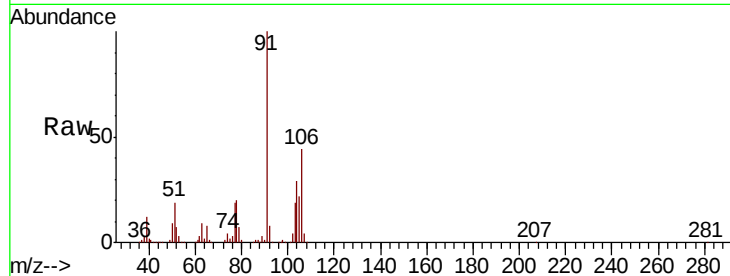




#69
o-Xylene
Concen: 19.947 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

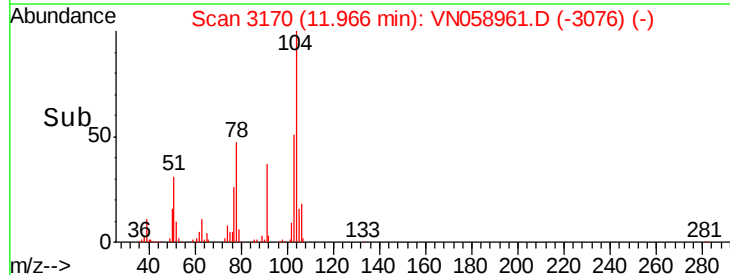
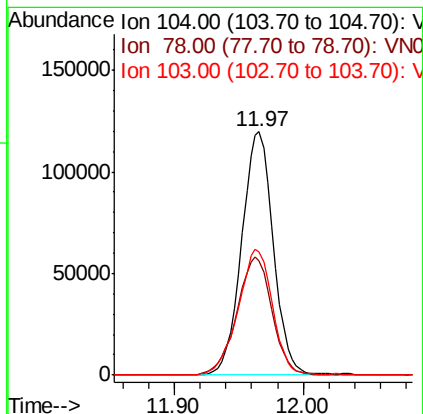
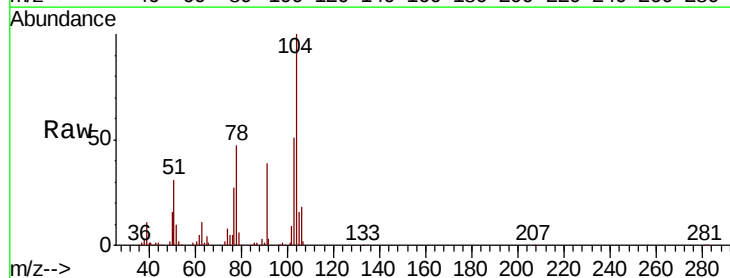
Instrument :
MSVOA_N
ClientSampleId :

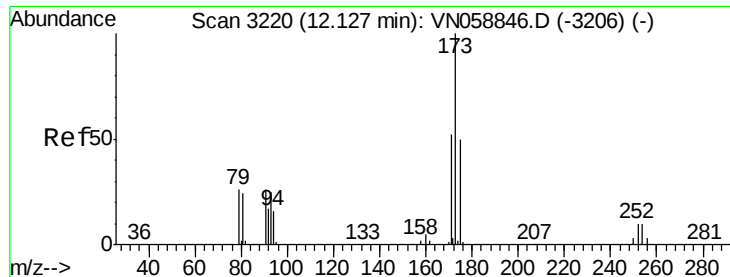
Tot Ion:106 Resp: 126480
Ion Ratio Lower Upper
106 100
91 223.2 111.5 334.4



#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

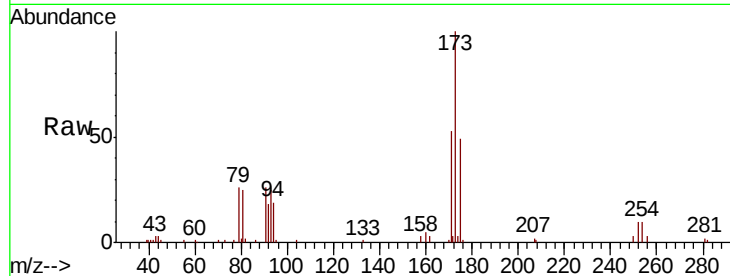




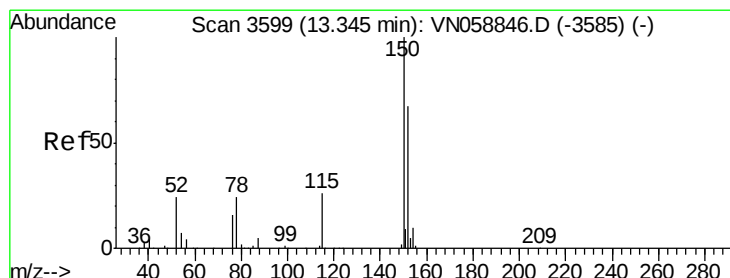
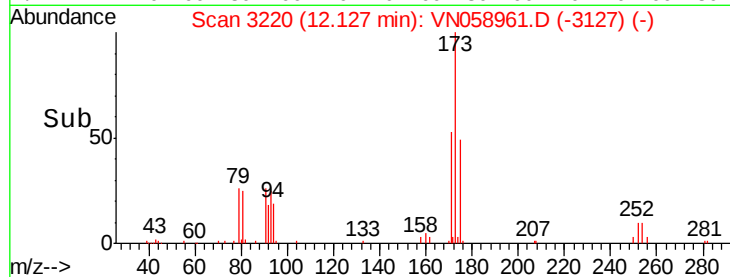
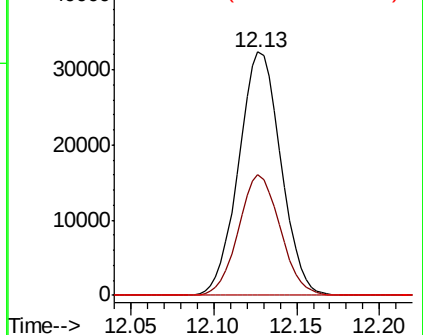
#71
Bromoform
Concen: 19.173 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Instrument :
MSVOA_N
ClientSampleId :

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

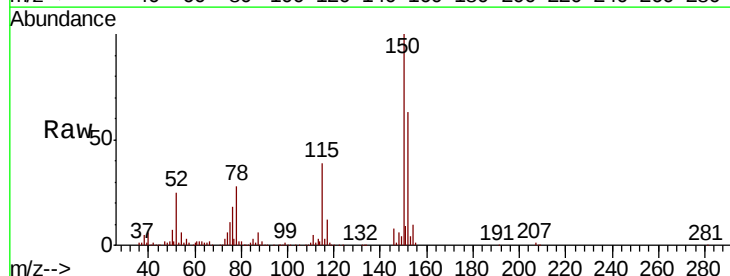


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

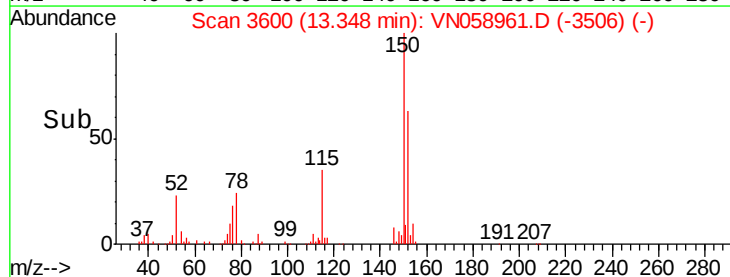
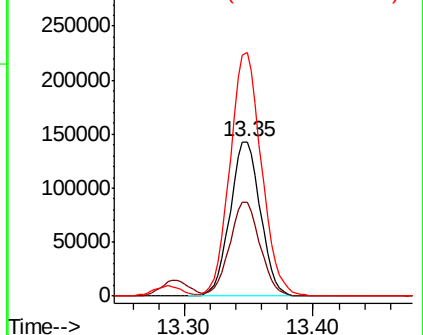


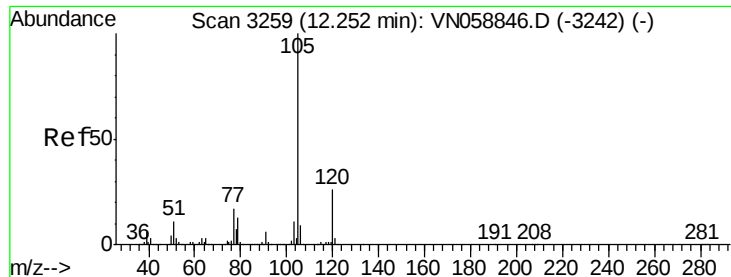
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

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



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





#73

Isopropylbenzene

Concen: 20.359 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

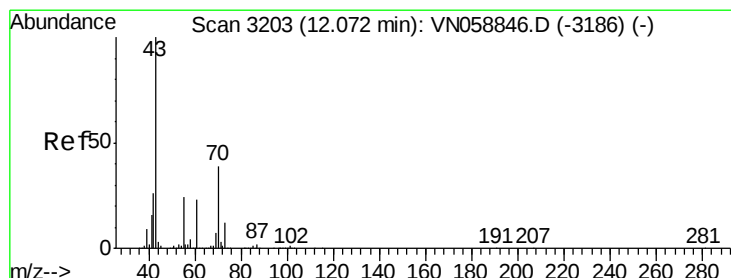
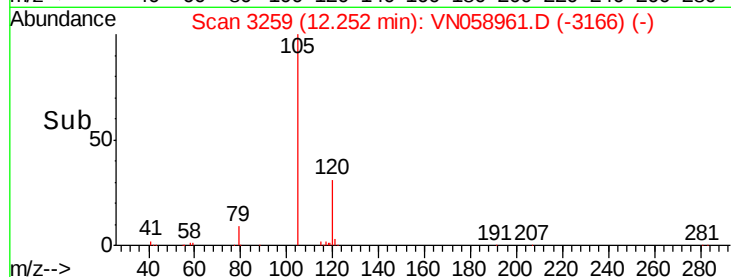
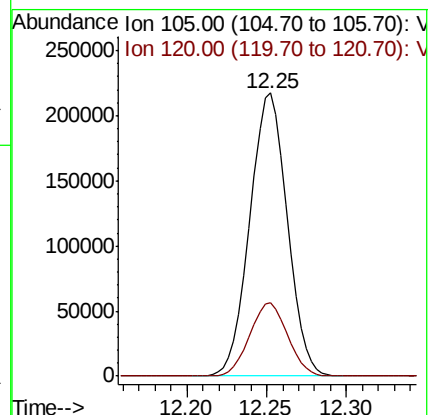
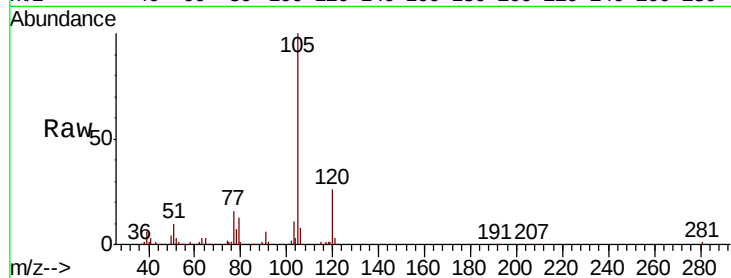
ClientSampleId :

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

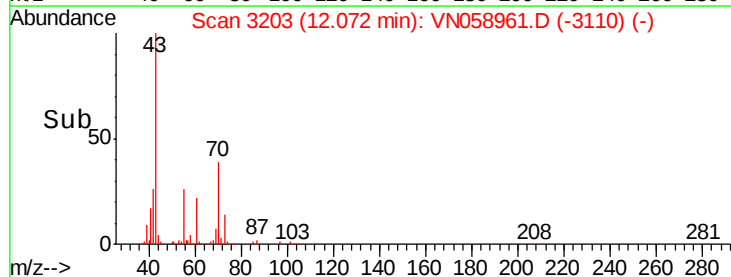
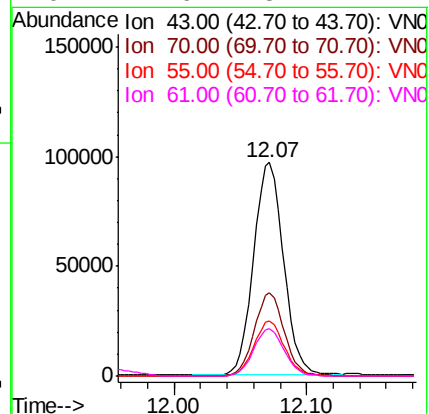
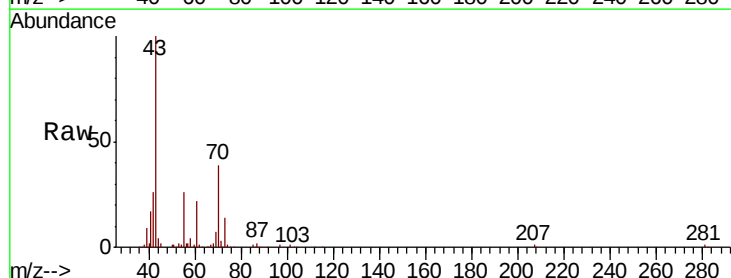
Ion Ratio Lower Upper

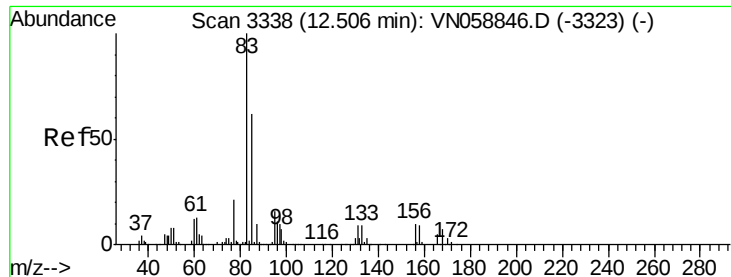
43 100

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 :

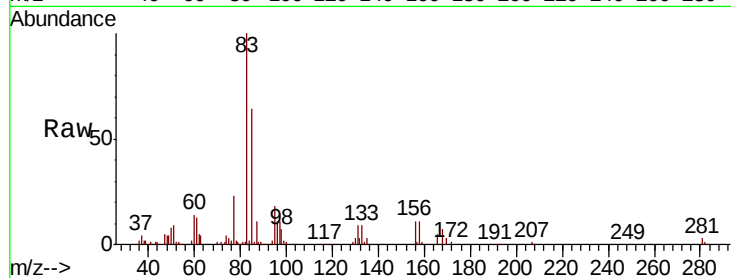
Tot Ion: 83 Resp: 122157

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.7	14.1
85	62.3	31.7	95.1

83 100

131 9.5 4.7 14.1

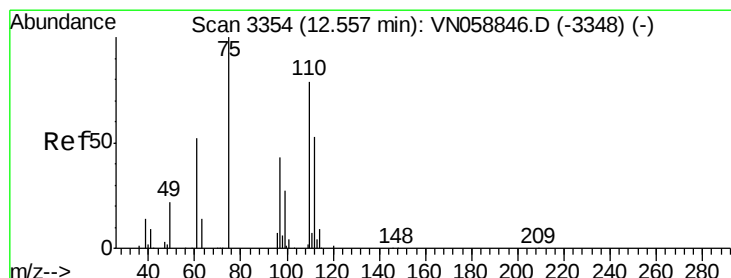
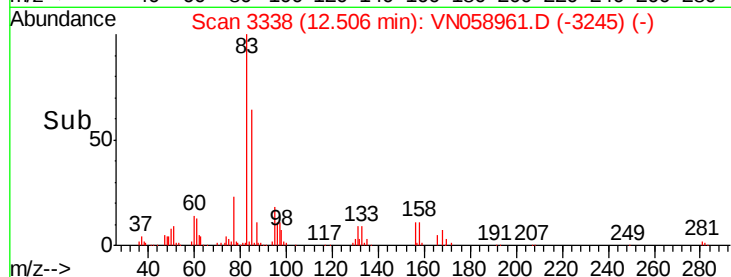
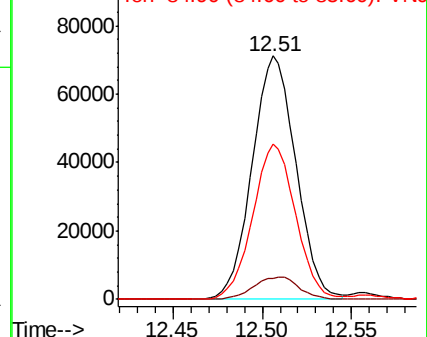
85 62.3 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#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

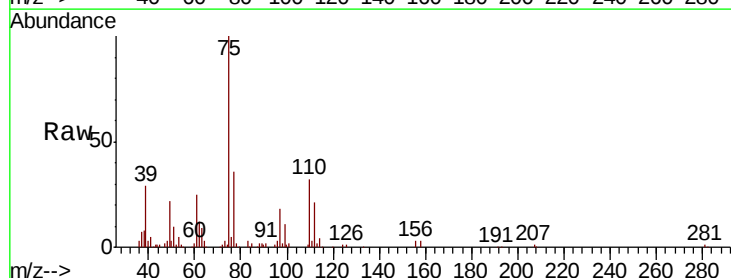
Acq: 24 Oct 2019 15:12

Tgt Ion: 75 Resp: 158335

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

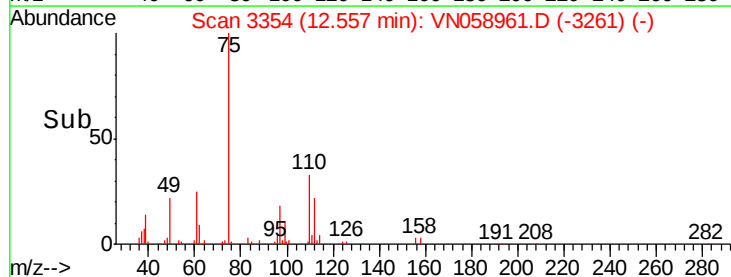
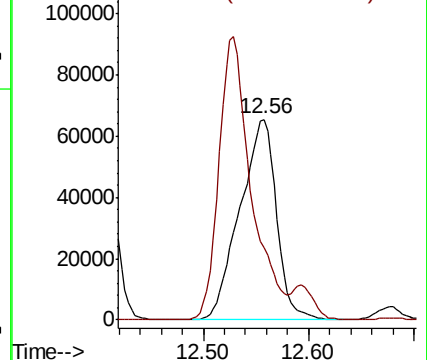
75 100

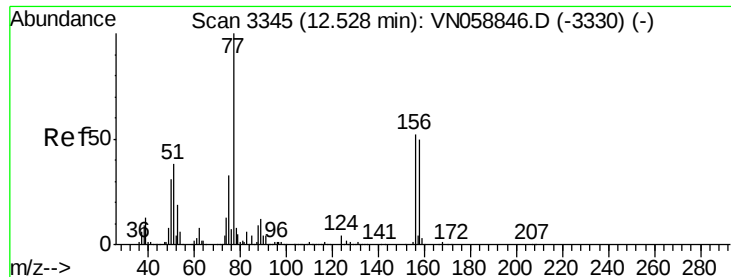
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#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

ClientSampled :

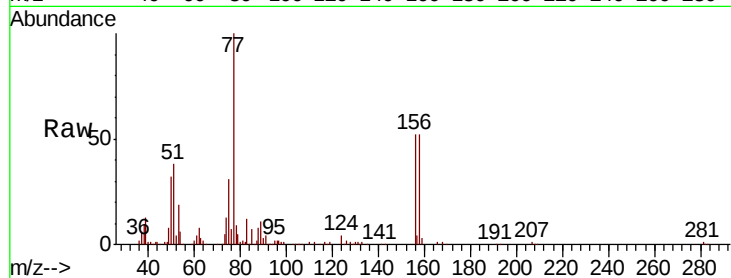
Tot Ion:156 Resp: 83668

Ion Ratio Lower Upper

156 100

77 235.2 118.0 354.0

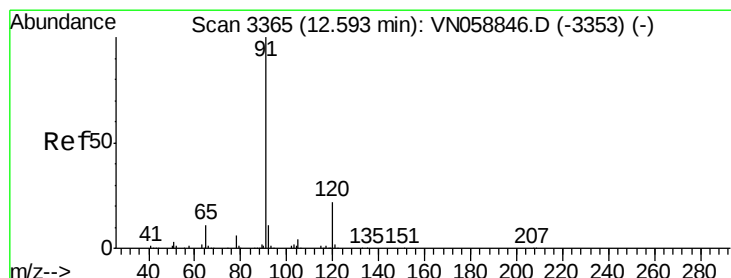
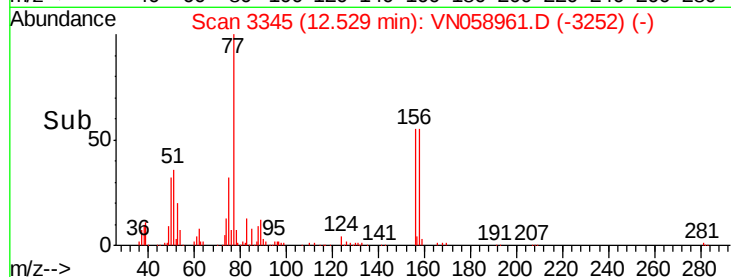
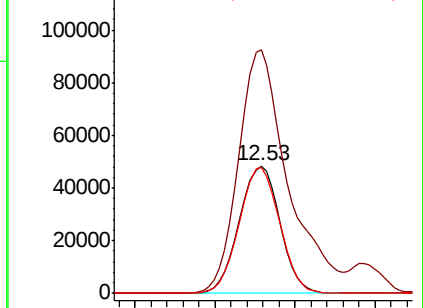
158 98.5 48.3 144.8



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

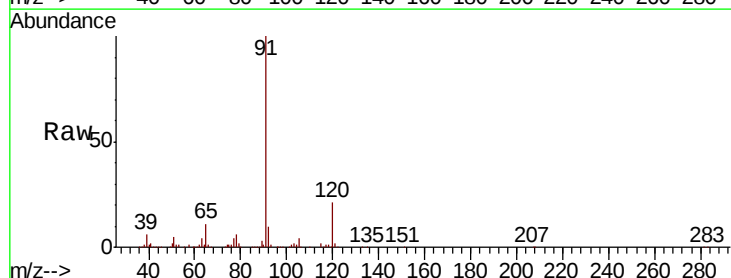
Acq: 24 Oct 2019 15:12

Tgt Ion: 91 Resp: 409827

Ion Ratio Lower Upper

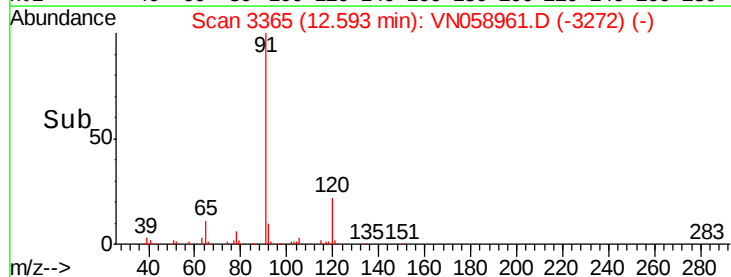
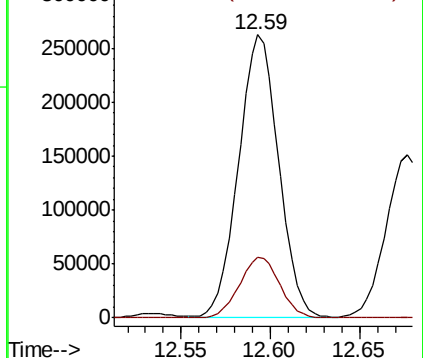
91 100

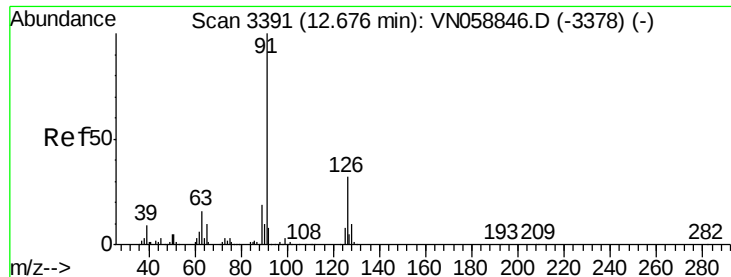
120 21.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

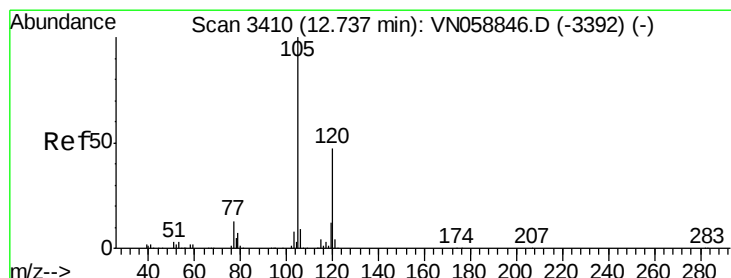
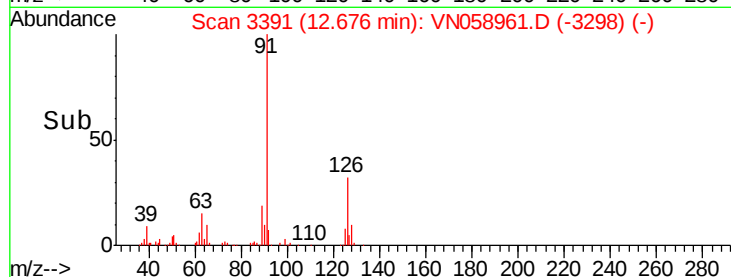
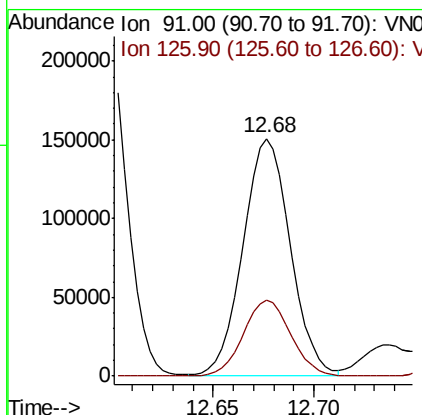
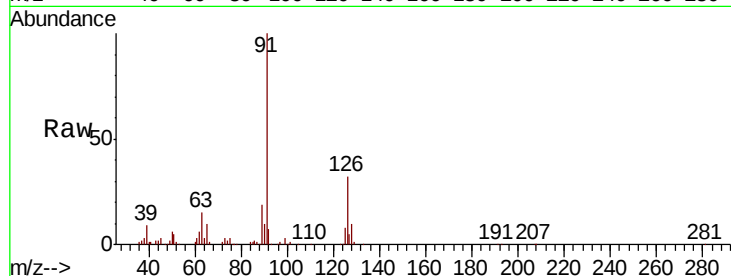




#79
 2-Chlorotoluene
 Concen: 19.910 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

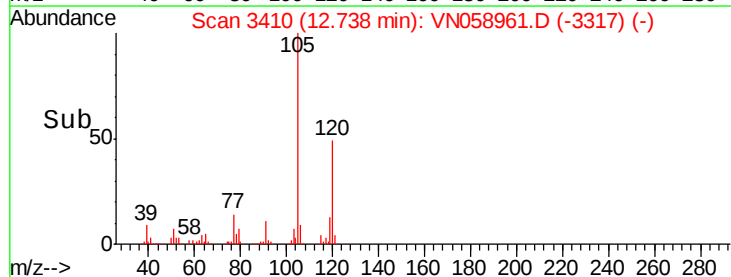
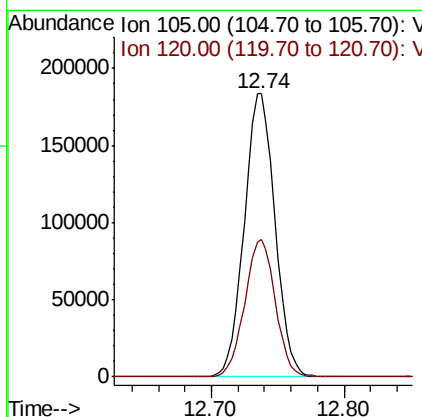
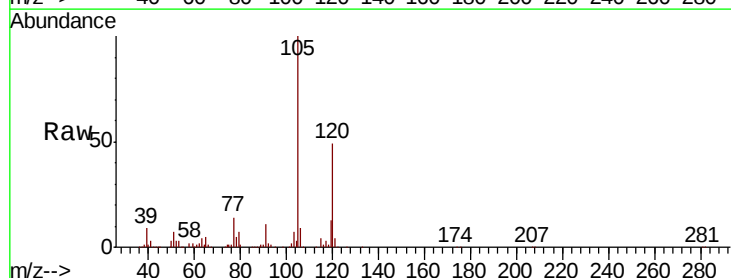
Instrument :
 MSVOA_N
 ClientSampled :

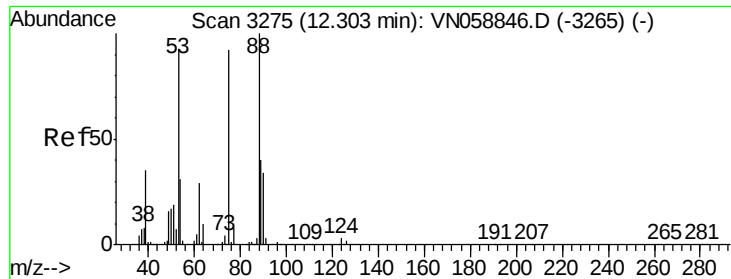
Tot Ion: 91 Resp: 246102
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.2 48.6



#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

ClientSampled :

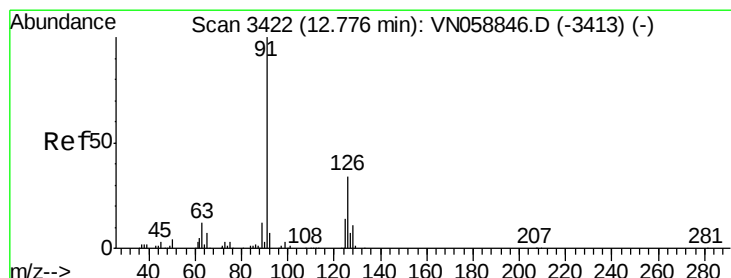
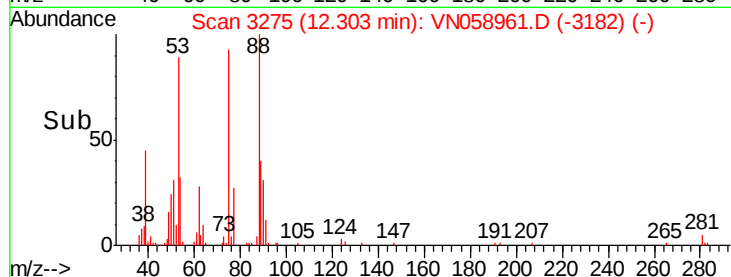
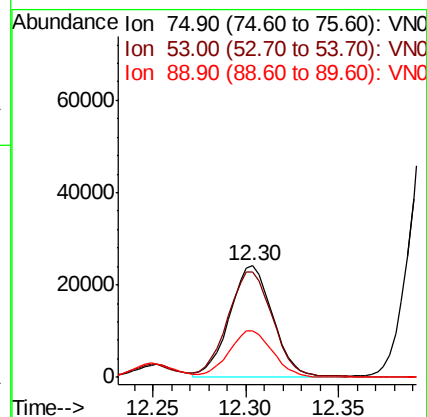
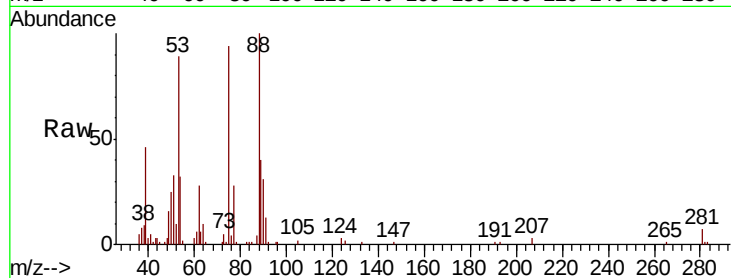
Tot Ion: 75 Resp: 38805

Ion Ratio Lower Upper

75 100

53 100.2 78.6 118.0

89 42.9 35.4 53.0



#82

4-Chlorotoluene

Concen: 19.798 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058961.D

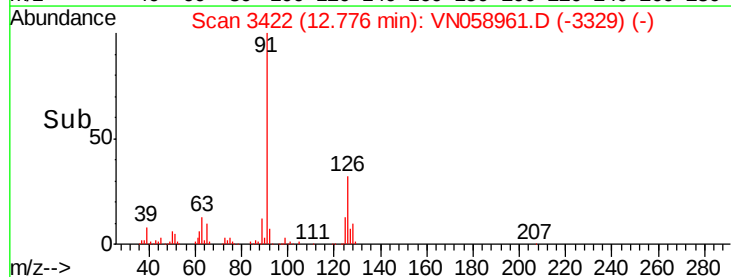
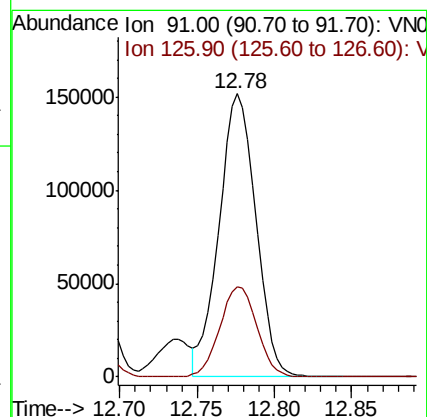
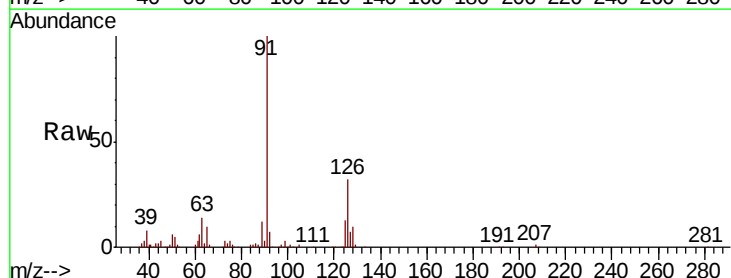
Acq: 24 Oct 2019 15:12

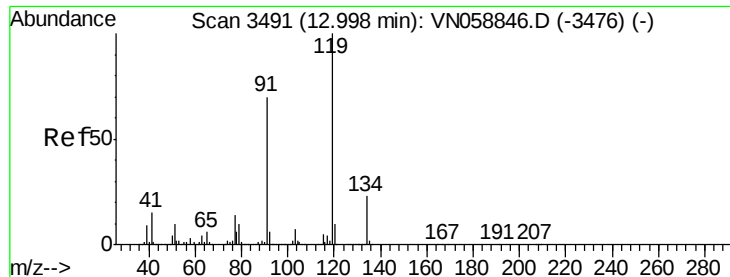
Tgt Ion: 91 Resp: 250084

Ion Ratio Lower Upper

91 100

126 32.2 16.0 47.9





#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 :

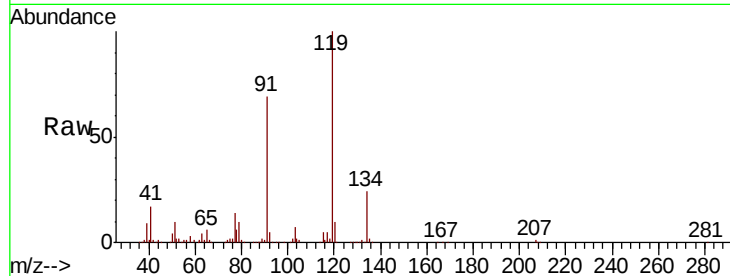
Tot Ion:119 Resp: 253302

Ion Ratio Lower Upper

119 100

91 67.1 34.1 102.3

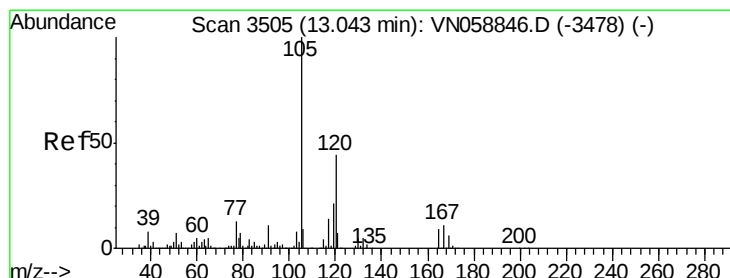
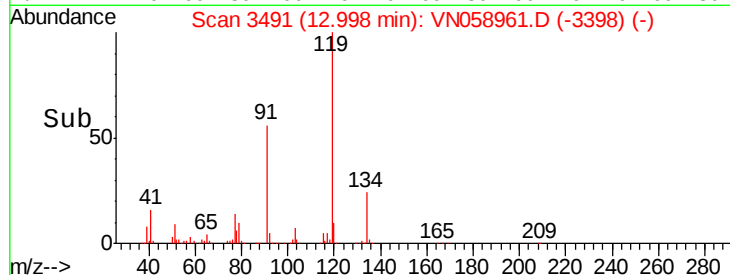
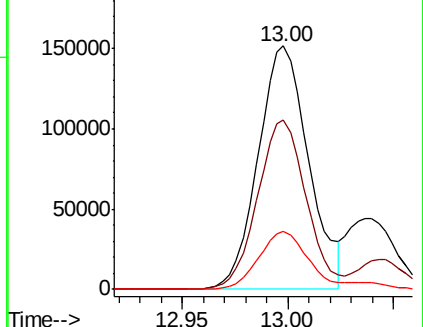
134 23.2 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

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

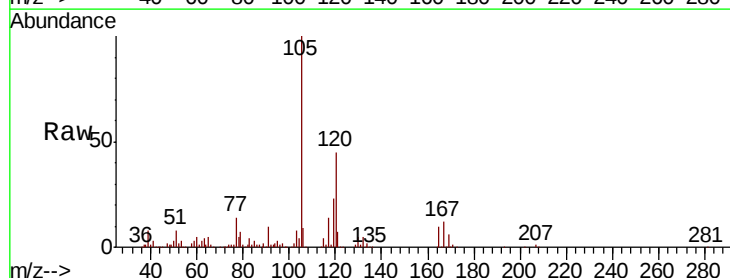
Acq: 24 Oct 2019 15:12

Tgt Ion:105 Resp: 294299

Ion Ratio Lower Upper

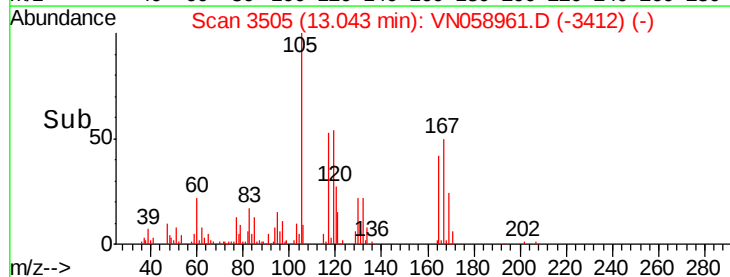
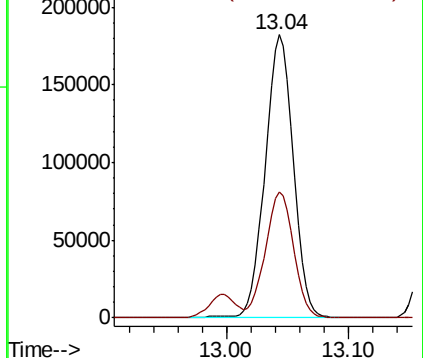
105 100

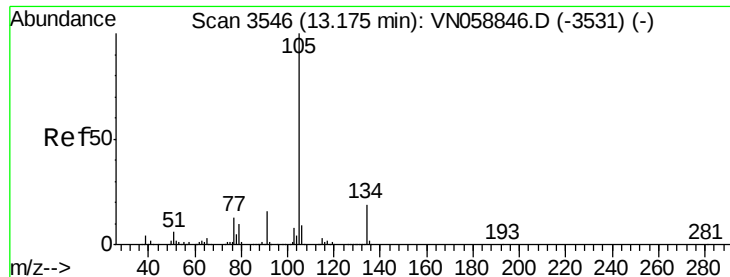
120 44.5 21.9 65.8



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

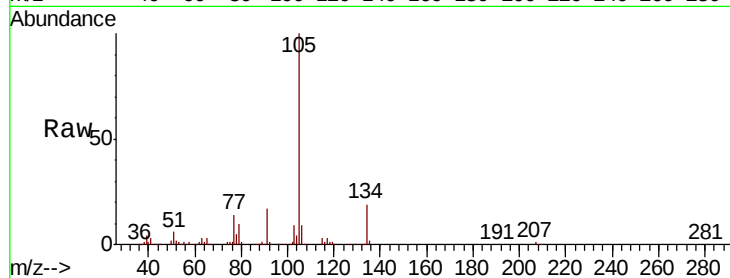
ClientSampled :

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

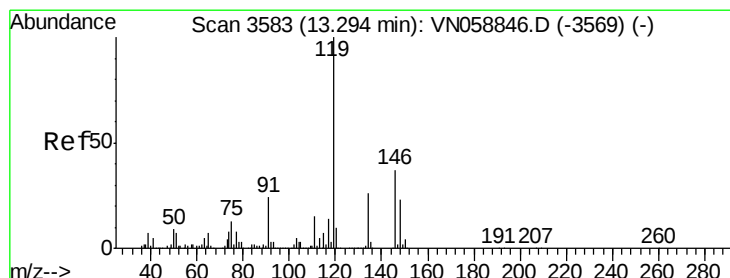
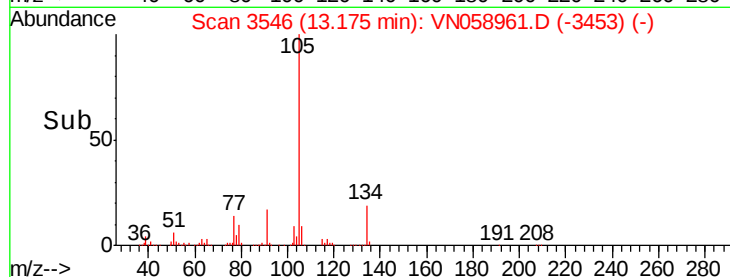
150000

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

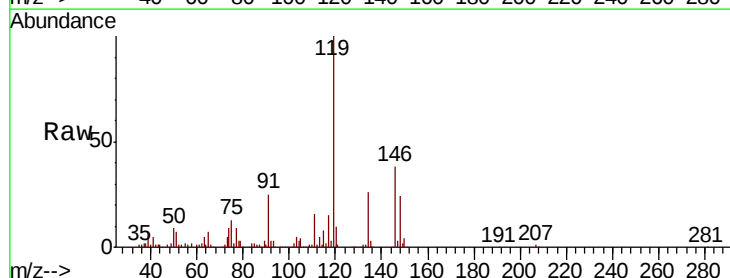
Tgt Ion:119 Resp: 293970

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

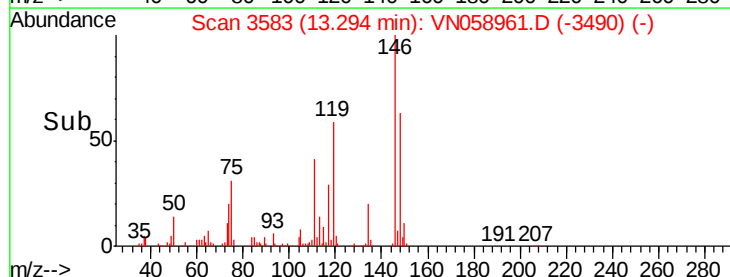
150000

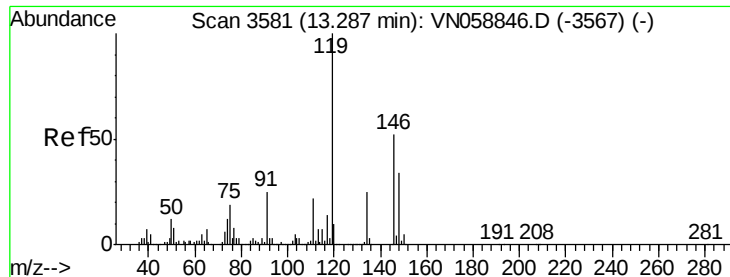
100000

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

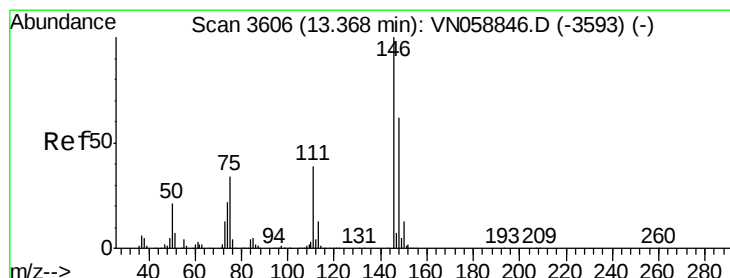
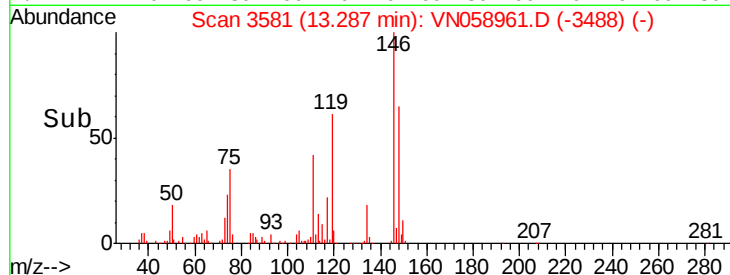
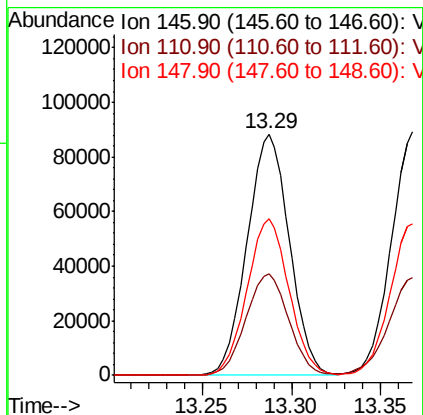
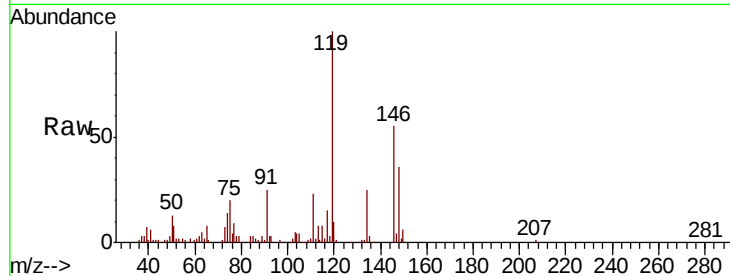
Acq: 24 Oct 2019 15:12

Instrument :

MSVOA_N

ClientSampled :

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



#88

1,4-Dichlorobenzene

Concen: 19.444 ug/l

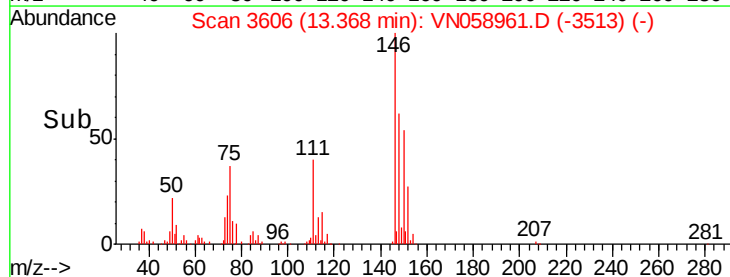
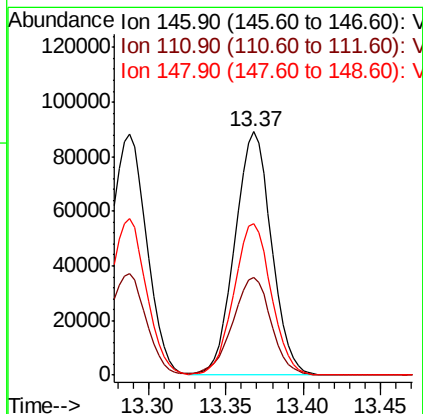
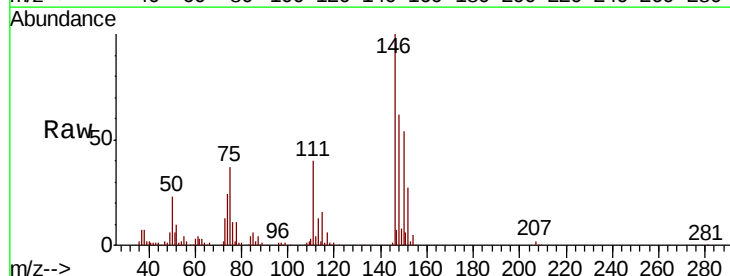
RT: 13.37 min Scan# 3606

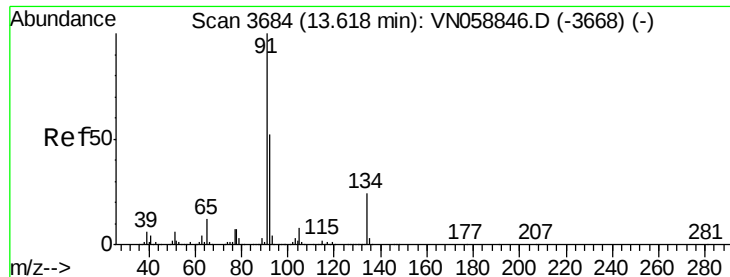
Delta R.T. 0.00 min

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





#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

ClientSampled :

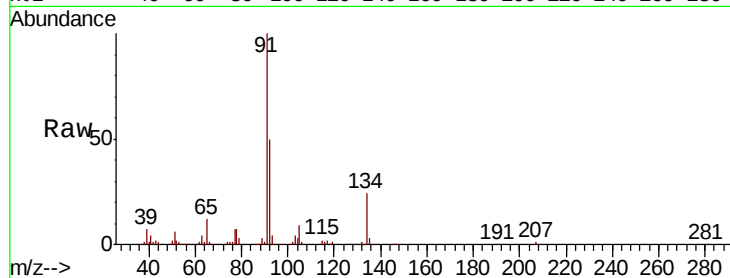
Tot Ion: 91 Resp: 255935

Ion Ratio Lower Upper

91 100

92 51.0 25.7 77.1

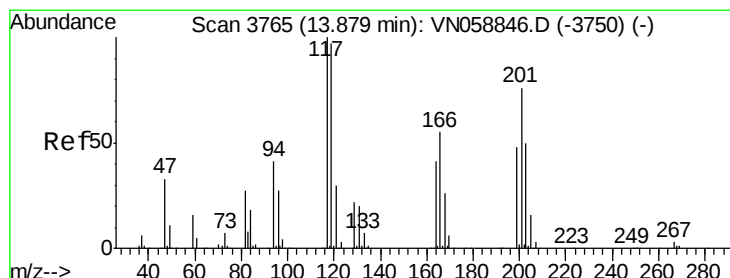
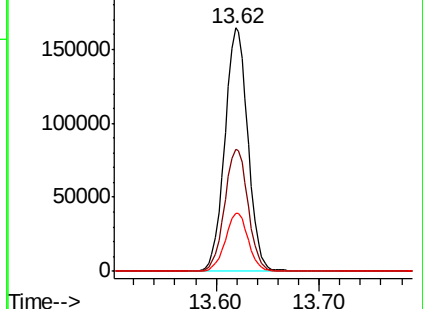
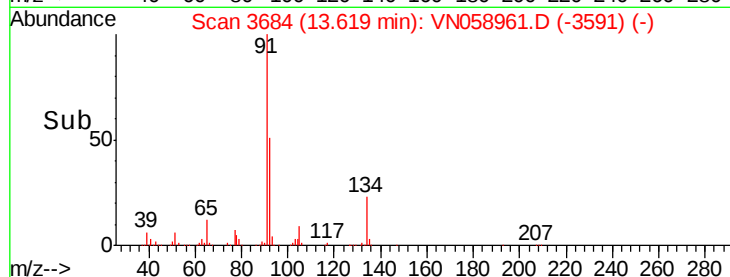
134 23.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN058846.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN058846.D (-3668) (-)



#90

Hexachloroethane

Concen: 20.155 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN058961.D

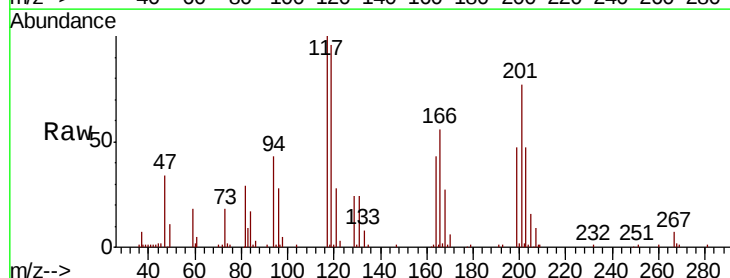
Acq: 24 Oct 2019 15:12

Tgt Ion: 117 Resp: 58976

Ion Ratio Lower Upper

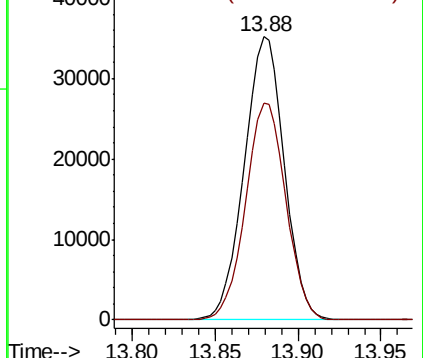
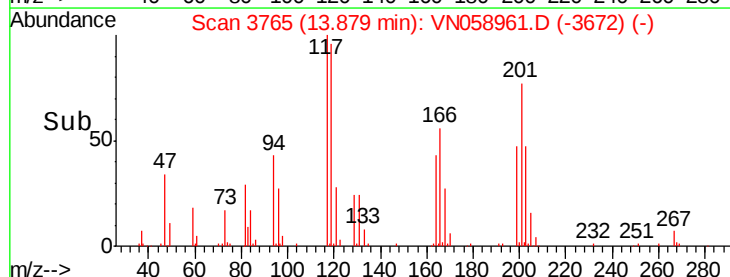
117 100

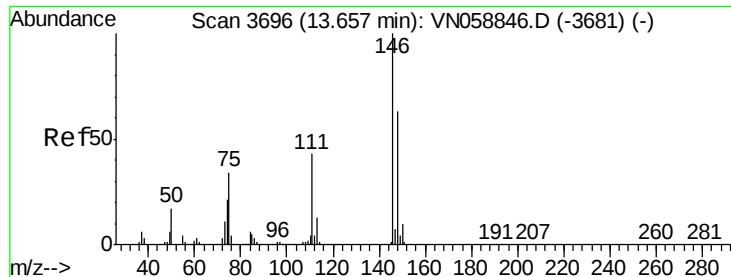
201 77.0 38.9 116.6



Abundance Ion 116.80 (116.50 to 117.50): VN058846.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN058846.D (-3750) (-)

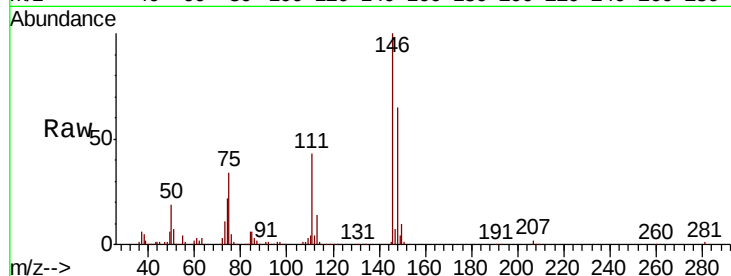




#91
 1,2-Dichlorobenzene
 Concen: 20.040 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

Instrument :
 MSVOA_N
 ClientSampled :

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

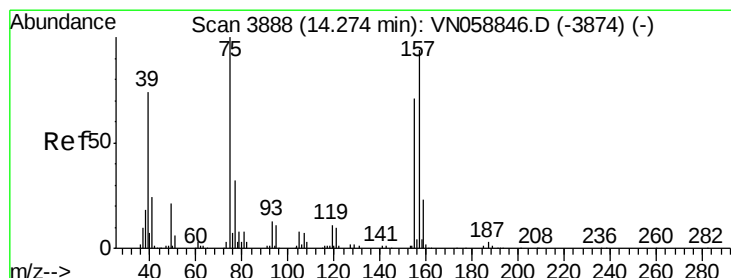
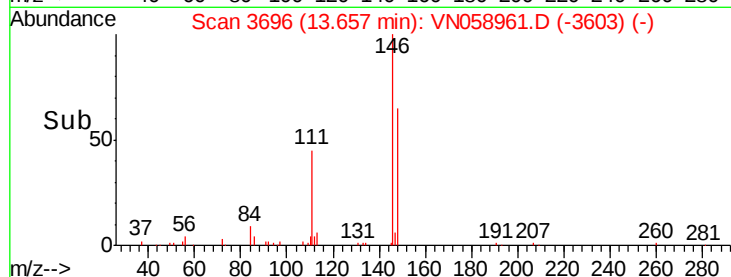
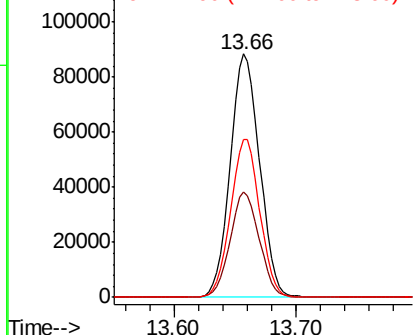


Abundance

Ion 145.90 (145.60 to 146.60): V

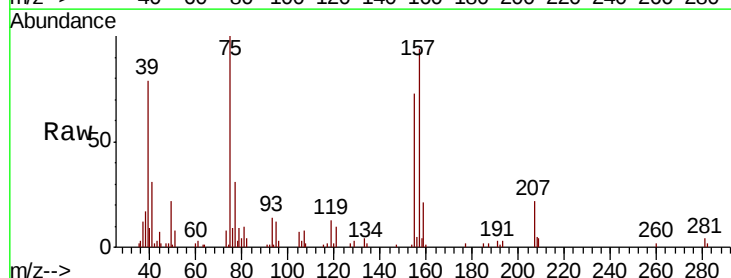
Ion 110.90 (110.60 to 111.60): V

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	Ratio	Lower	Upper
75	100		
155	70.0	35.6	106.8
157	92.3	47.4	142.2

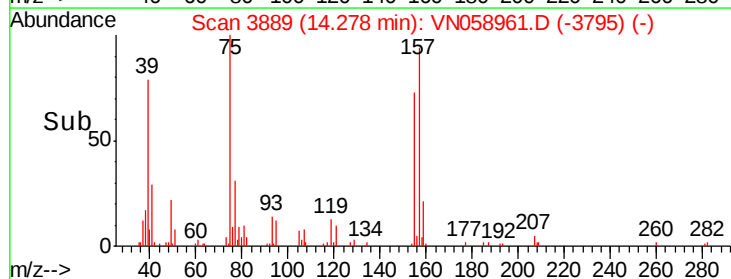
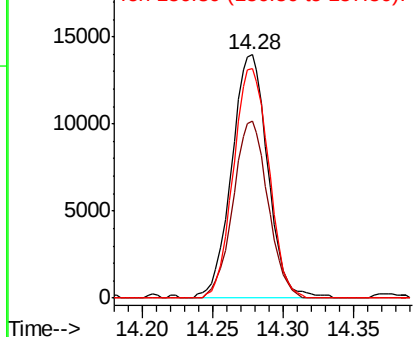


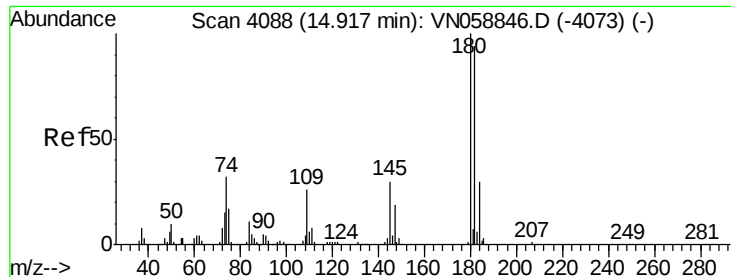
Abundance

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

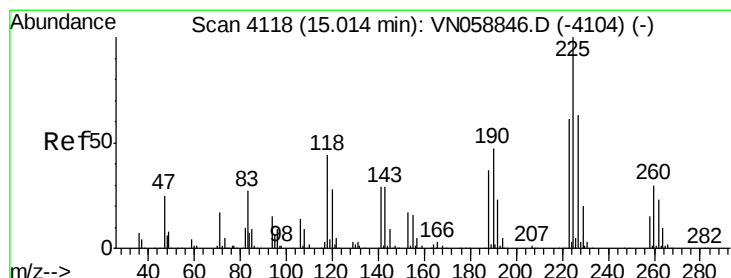
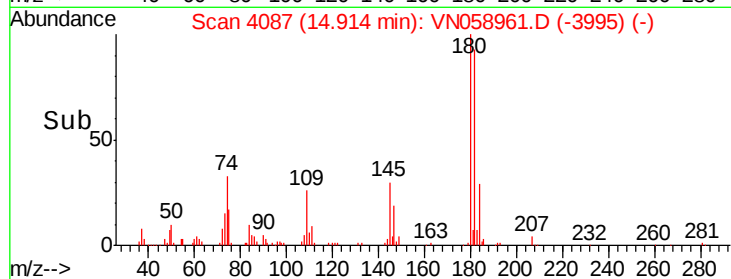
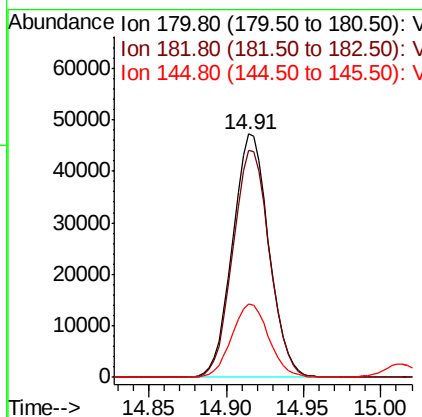
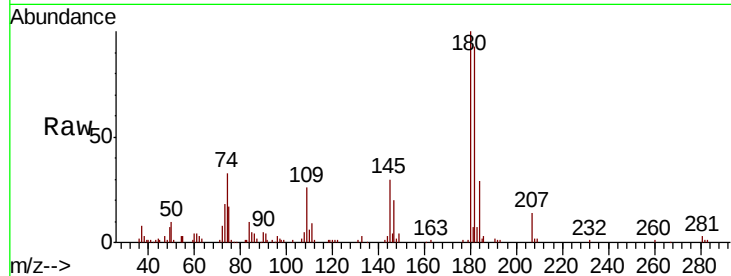




#93
 1,2,4-Trichlorobenzene
 Concen: 18.200 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN058961.D
 Acq: 24 Oct 2019 15:12

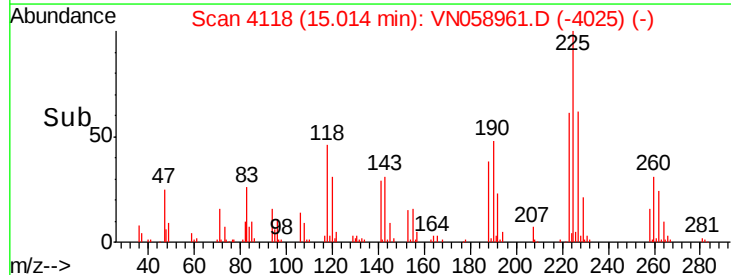
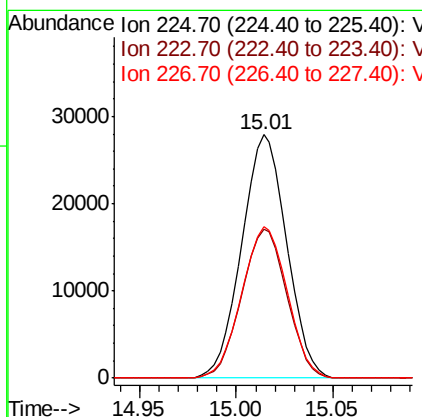
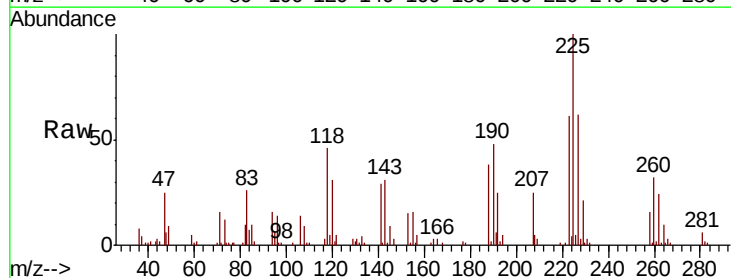
Instrument :
 MSVOA_N
 ClientSampleId :

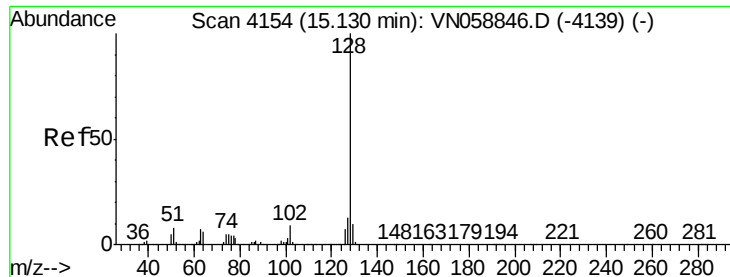
Tot Ion:180 Resp: 76932
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.3 142.0
 145 30.8 15.3 45.8



#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

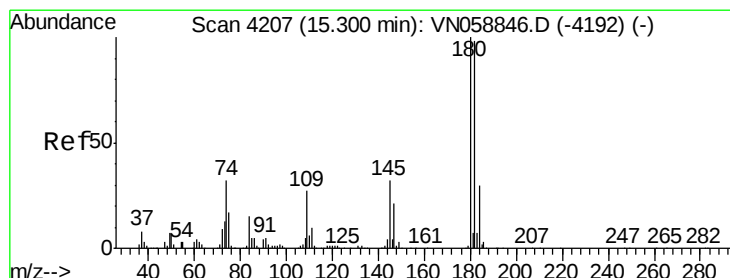
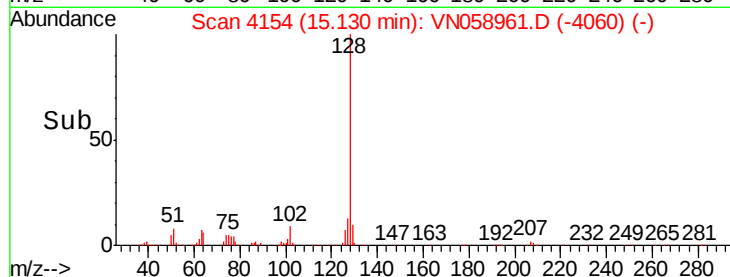
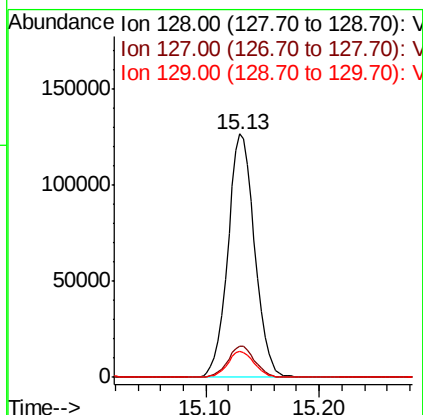
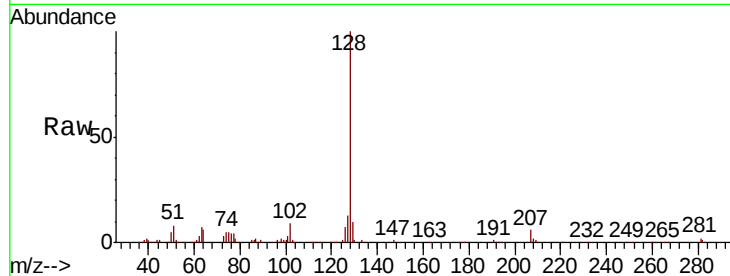




#95
Naphthalene
Concen: 17.038 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN058961.D
Acq: 24 Oct 2019 15:12

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.6	8.4	12.6



#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	Ratio	Lower	Upper
180	100		
182	97.0	47.9	143.7
145	32.9	15.9	47.7

