

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101119\
 Data File : VN058674.D
 Acq On : 10 Oct 2019 18:56
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101119

Quant Time: Oct 11 04:30:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	75029	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	426729	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	386352	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	195792	30.75	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.50%
60) 4-Bromofluorobenzene	12.41	95	197125	29.17	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.23%
63) Toluene-d8	10.08	98	553049	30.32	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.07%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	88333	21.729 ug/l	99
3) Chloromethane	2.04	50	114545	21.094 ug/l	100
4) Vinyl Chloride	2.17	62	122152	21.765 ug/l	97
5) Bromomethane	2.55	94	72729	20.989 ug/l	96
6) Chloroethane	2.69	64	74530	21.127 ug/l	93
7) Trichlorofluoromethane	3.00	101	147139	21.300 ug/l	100
8) Diethyl Ether	3.39	74	56368	21.395 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	84938	21.250 ug/l	98
10) 1,1-Dichloroethene	3.72	96	82223	20.945 ug/l	93
11) Methyl Iodide	3.93	142	116543	21.317 ug/l	97
12) Methyl Acetate	4.30	43	126709	20.174 ug/l	97
13) Acrolein	3.58	56	66165	95.342 ug/l	97
14) Acrylonitrile	4.96	53	256178	103.515 ug/l	99
15) Acetone	3.80	58	72547	98.756 ug/l	94
16) Carbon Disulfide	4.03	76	239043	20.877 ug/l	100
17) Allyl chloride	4.30	41	162085	20.744 ug/l	96
18) Methylene Chloride	4.53	84	99079	20.842 ug/l	98
19) trans-1,2-Dichloroethene	5.01	96	91048	21.304 ug/l	94
20) Diisopropyl ether	5.93	45	335804	21.094 ug/l	97
21) 1,1-Dichloroethane	5.83	63	186394	21.144 ug/l	99
22) cis-1,2-Dichloroethene	6.81	96	108003	21.196 ug/l	99
23) tert-Butyl Alcohol	4.76	59	103007	101.760 ug/l #	100
24) Methyl tert-Butyl Ether	5.02	73	309081	21.105 ug/l	100
25) Chloroform	7.36	83	187875	21.369 ug/l	98
26) Cyclohexane	7.64	56	161573	20.882 ug/l #	99
29) 1,1-Dichloropropene	7.78	75	135505	20.172 ug/l	99
30) 2-Butanone	6.81	43	367616	96.844 ug/l	99
31) 2,2-Dichloropropane	6.81	77	157217	19.857 ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	162344	20.896 ug/l	99
33) Carbon Tetrachloride	7.76	117	139042	20.676 ug/l	98
34) Benzene	8.03	78	407568	20.609 ug/l	98
35) Methacrylonitrile	7.16	41	62737	18.709 ug/l	90
36) 1,2-Dichloroethane	8.11	62	158353	20.943 ug/l	99
37) Trichloroethene	8.82	130	100935	20.776 ug/l	98
38) Methylcyclohexane	9.07	83	158523	20.354 ug/l	99
39) 1,2-Dichloropropane	9.11	63	109441	20.250 ug/l	99
40) Dibromomethane	9.20	93	69414	20.346 ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	142823	20.491	ug/l	99
42) Vinyl Acetate	5.87	43	1406802	105.820	ug/l	100
43) Ethyl Acetate	6.91	43	149057	20.006	ug/l	100
44) Isopropyl Acetate	8.15	43	243432	20.171	ug/l	91
45) 1,4-Dioxane	9.19	88	35199	379.833	ug/l	99
46) Methyl methacrylate	9.19	41	110926	20.021	ug/l	98
47) n-amyl Acetate	12.07	43	209065	19.542	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	160598	19.868	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	173603	20.452	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	100534	20.641	ug/l	97
51) Ethyl methacrylate	10.43	69	156627	20.111	ug/l	99
52) 1,3-Dichloropropane	10.71	76	176819	20.386	ug/l	100
53) Dibromochloromethane	10.90	129	104845	20.059	ug/l	98
54) 1,2-Dibromoethane	11.00	107	101574	20.120	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	398413	102.844	ug/l	99
56) Bromoform	12.13	173	71382	19.604	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	749595	106.354	ug/l	99
59) 2-Hexanone	10.75	43	563146	101.918	ug/l	100
61) Tetrachloroethene	10.63	164	89318	21.394	ug/l	99
62) Toluene	10.15	91	434494	20.907	ug/l	100
64) Chlorobenzene	11.43	112	264926	20.851	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	99520	20.889	ug/l	97
66) Ethyl Benzene	11.51	91	483238	20.999	ug/l	99
67) m/p-Xylenes	11.62	106	355549	41.356	ug/l	100
68) o-Xylene	11.95	106	172744	20.726	ug/l	99
69) Styrene	11.97	104	277346	20.143	ug/l	100
70) Isopropylbenzene	12.25	105	468123	20.803	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.51	83	154586	20.406	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	205647	29.959	ug/l	61
73) Bromobenzene	12.53	156	111450	20.391	ug/l	99
74) n-propylbenzene	12.60	91	553871	21.029	ug/l	100
75) 2-Chlorotoluene	12.68	91	327562	20.670	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	397583	20.629	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	48328	18.481	ug/l	96
78) 4-Chlorotoluene	12.78	91	334132	20.458	ug/l	99
79) tert-butylbenzene	13.00	119	336364	20.428	ug/l	100
80) 1,2,4-Trimethylbenzene	13.05	105	394574	20.603	ug/l	100
81) sec-Butylbenzene	13.18	105	454316	20.502	ug/l	99
82) p-Isopropyltoluene	13.29	119	410223	20.616	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	201604	20.384	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	196917	19.933	ug/l	98
85) n-Butylbenzene	13.62	91	364482	20.007	ug/l	100
86) Hexachloroethane	13.88	117	73536	20.306	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	200673	20.553	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.28	75	33586	19.919	ug/l	100
89) 1,2,4-Trichlorobenzene	14.92	180	121565	19.718	ug/l	98
90) Hexachlorobutadiene	15.02	225	64224	20.174	ug/l	99
91) Naphthalene	15.13	128	368142	20.225	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	121478	20.242	ug/l	98

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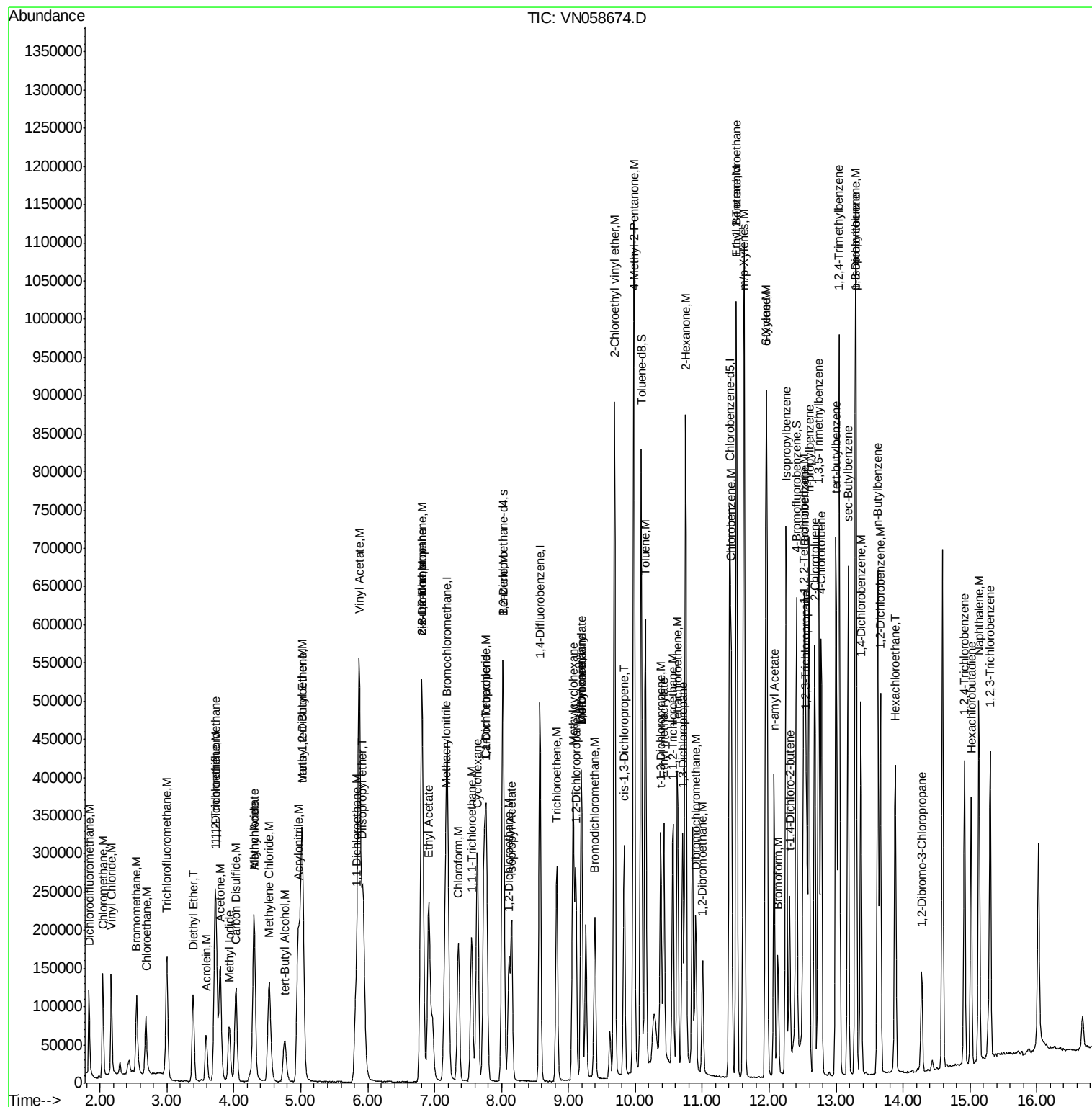
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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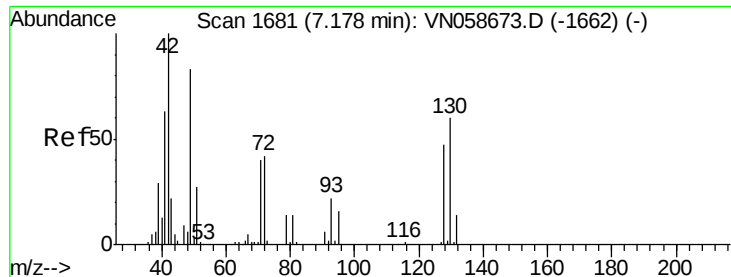
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 11 04:30:22 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

ICVFN101119

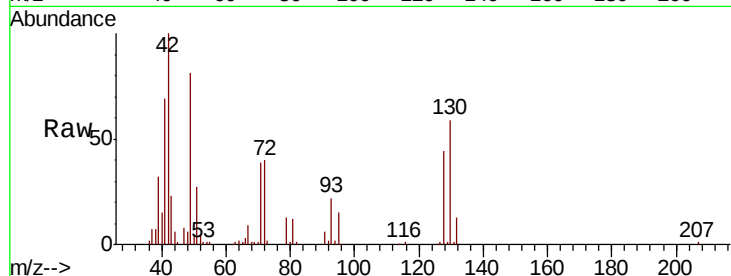
Tot Ion:128 Resp: 75029

Ion Ratio Lower Upper

128 100

49 184.5 0.0 453.5

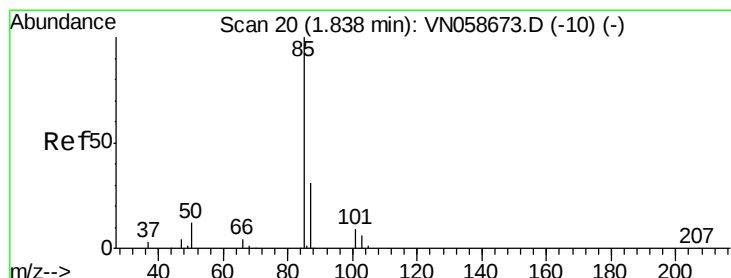
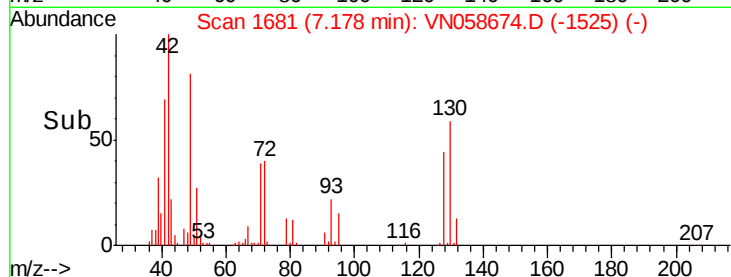
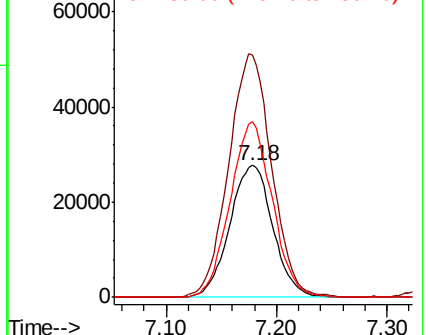
130 130.1 0.0 314.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VNO

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 21.729 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058674.D

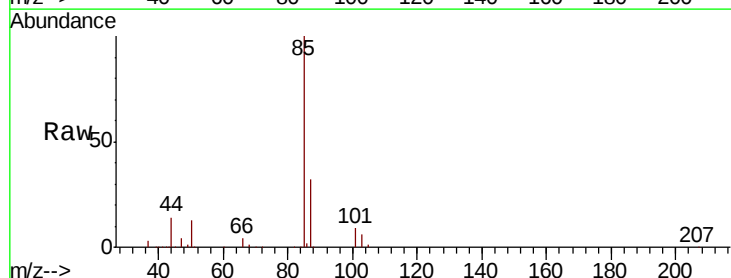
Acq: 10 Oct 2019 18:56

Tgt Ion: 85 Resp: 88333

Ion Ratio Lower Upper

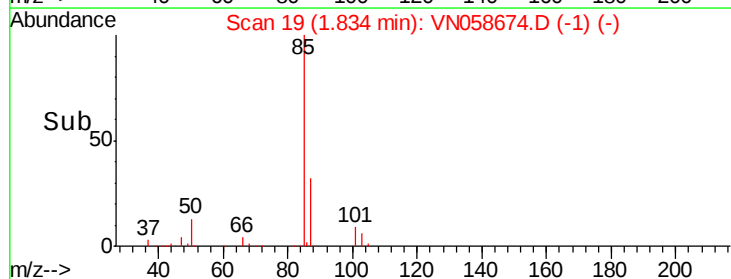
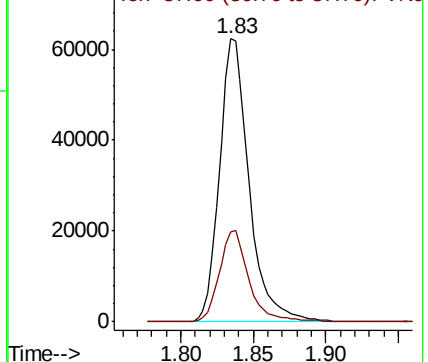
85 100

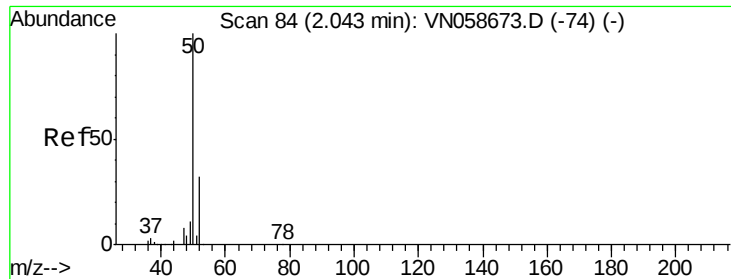
87 31.9 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#3

Chloromethane

Concen: 21.094 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

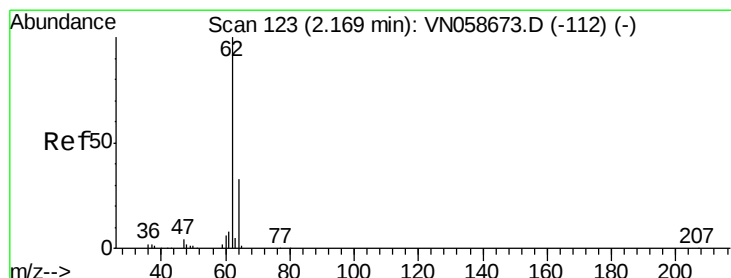
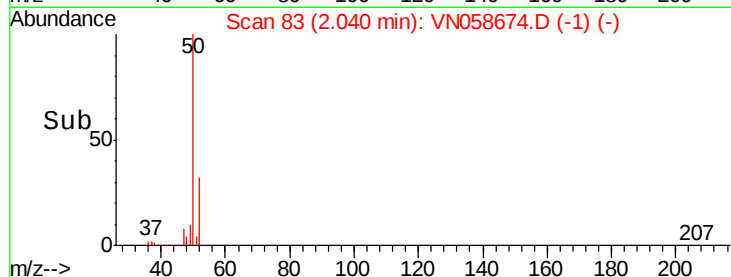
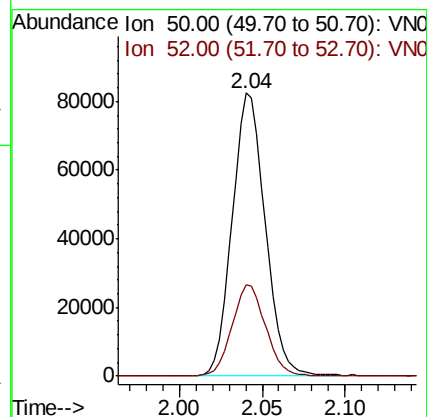
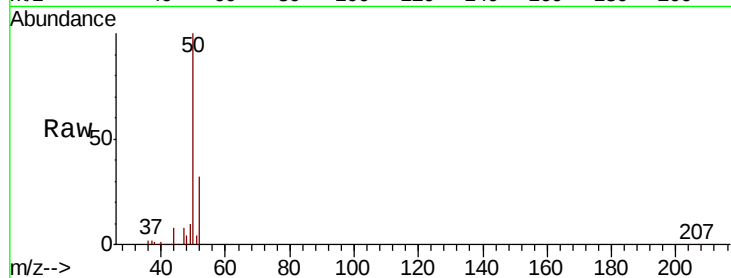
ICVFN101119

Tot Ion: 50 Resp: 114545

Ion Ratio Lower Upper

50 100

52 32.3 25.8 38.8



#4

Vinyl Chloride

Concen: 21.765 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058674.D

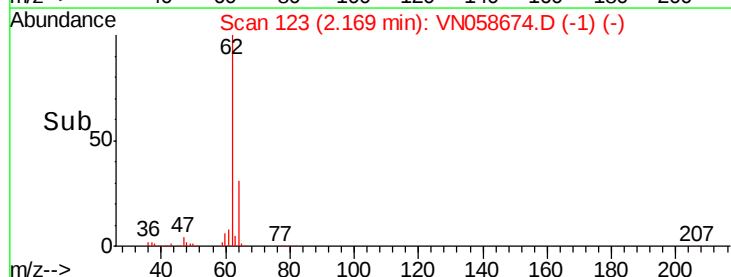
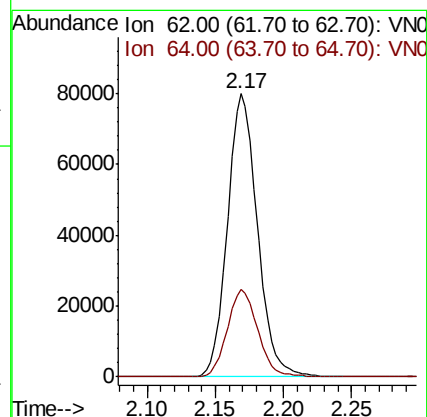
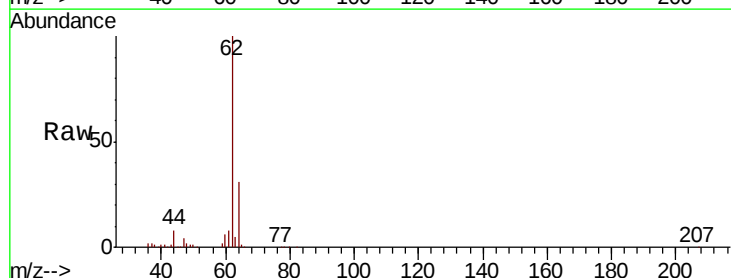
Acq: 10 Oct 2019 18:56

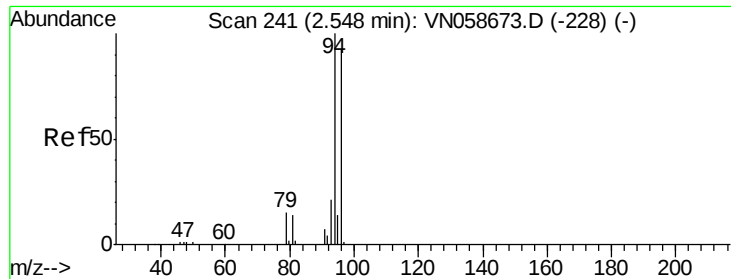
Tgt Ion: 62 Resp: 122152

Ion Ratio Lower Upper

62 100

64 30.7 26.1 39.1





#5

Bromomethane

Concen: 20.989 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

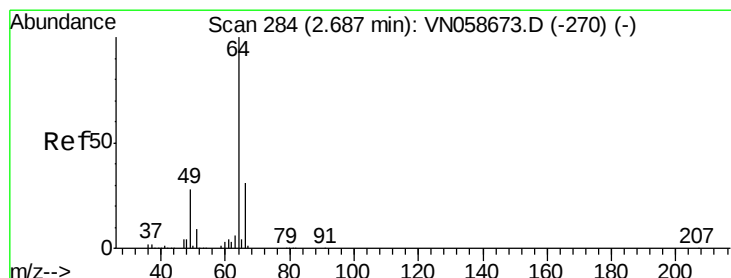
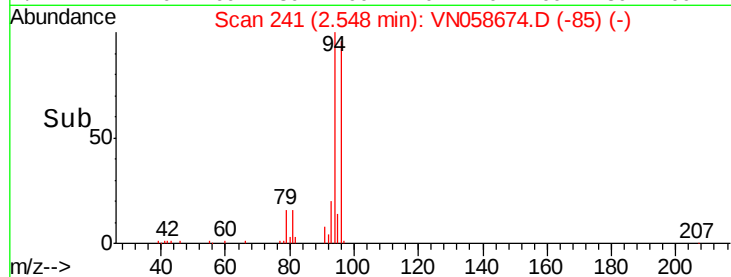
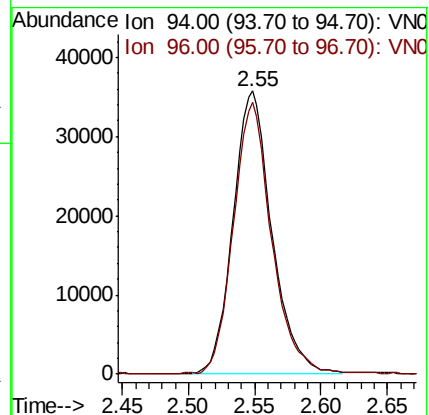
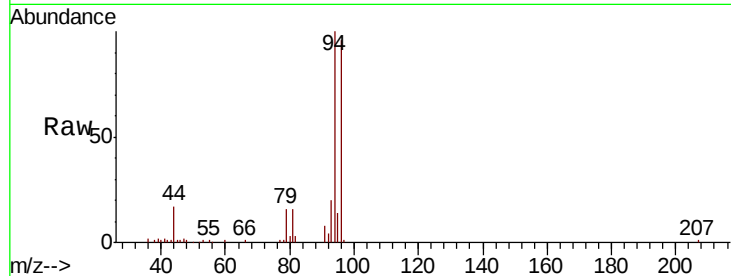
ICVFN101119

Tot Ion: 94 Resp: 72729

Ion Ratio Lower Upper

94 100

96 95.5 73.7 110.5



#6

Chloroethane

Concen: 21.127 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN058674.D

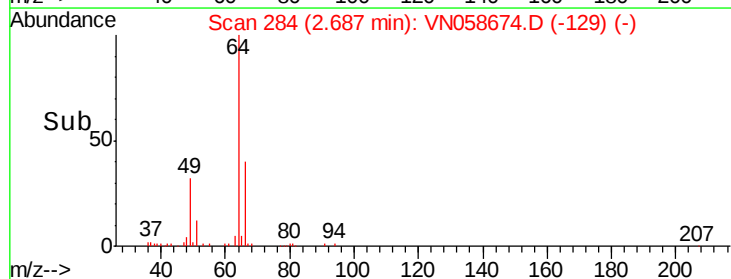
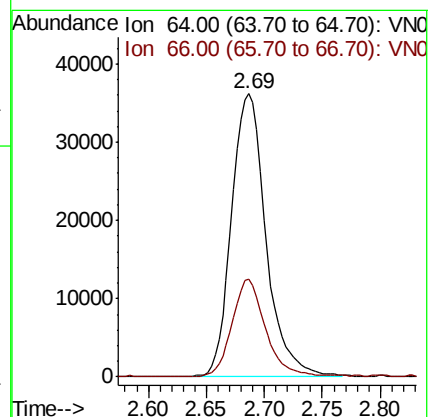
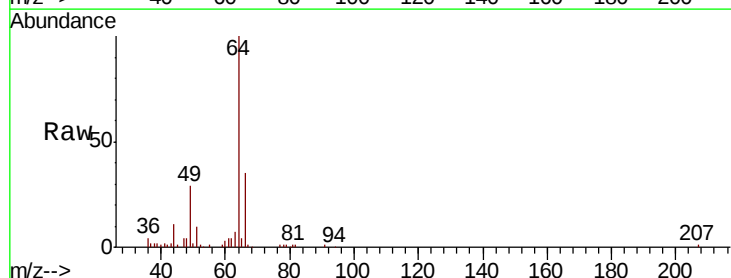
Acq: 10 Oct 2019 18:56

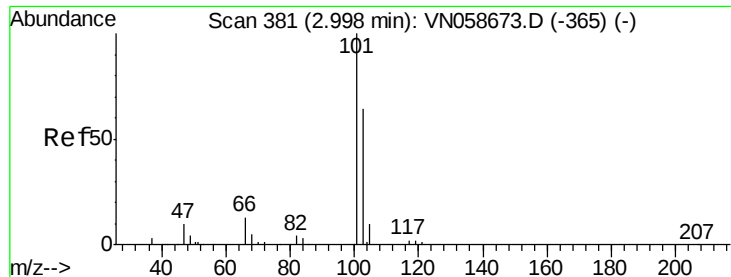
Tgt Ion: 64 Resp: 74530

Ion Ratio Lower Upper

64 100

66 34.7 24.6 36.8



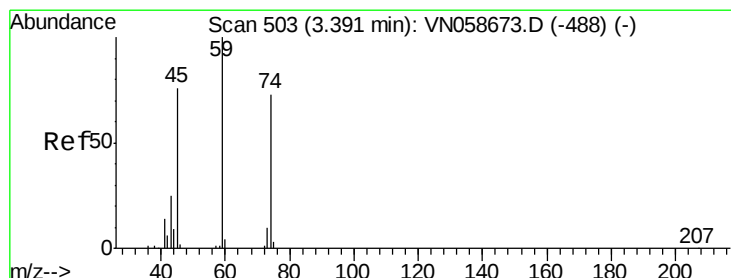
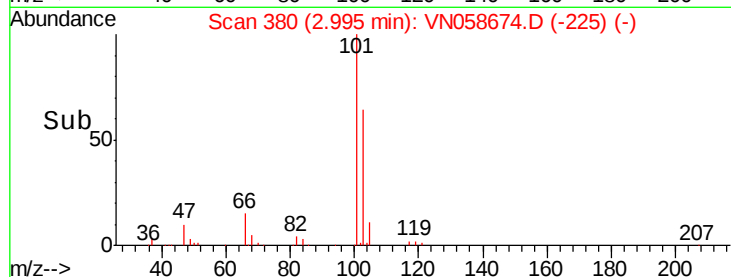
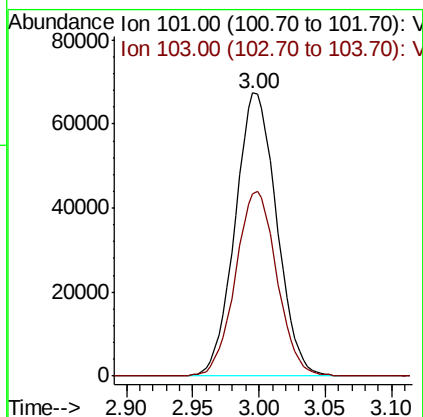
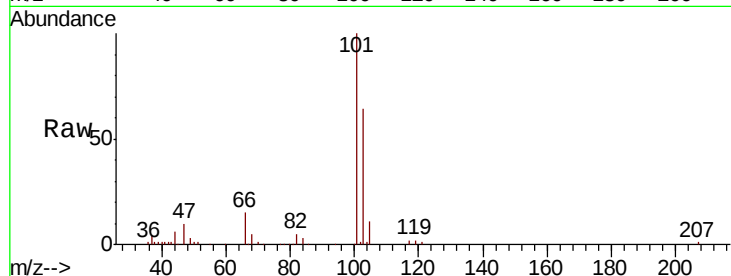


#7

Trichlorofluoromethane
 Concen: 21.300 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058674.D
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Instrument :
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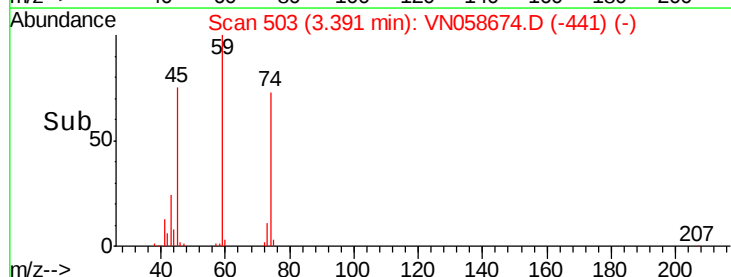
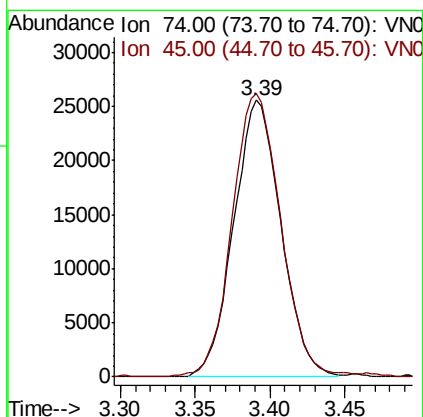
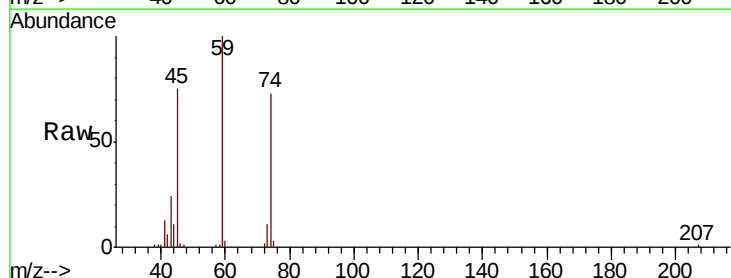
Tot Ion:101 Resp: 147139
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.5 77.3

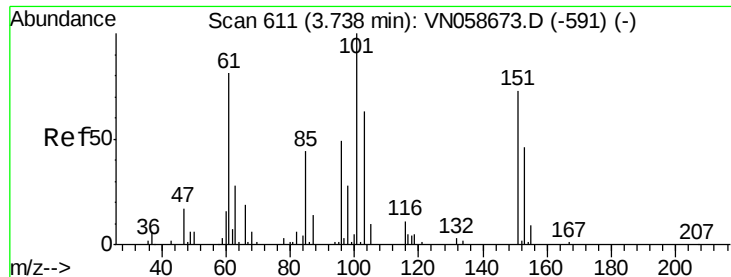


#8

Diethyl Ether
 Concen: 21.395 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058674.D
 Acq: 10 Oct 2019 18:56

Tgt Ion: 74 Resp: 56368
 Ion Ratio Lower Upper
 74 100
 45 104.7 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.250 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

ICVFN101119

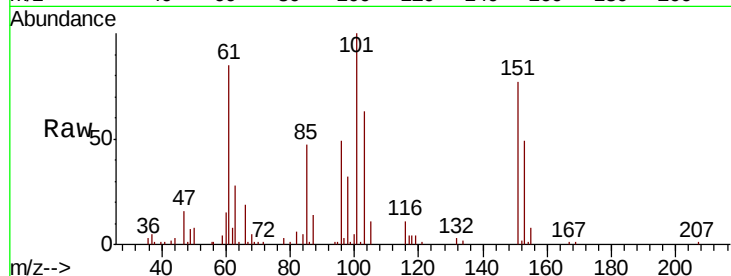
Tot Ion:101 Resp: 84938

Ion Ratio Lower Upper

101 100

85 46.2 0.0 93.8

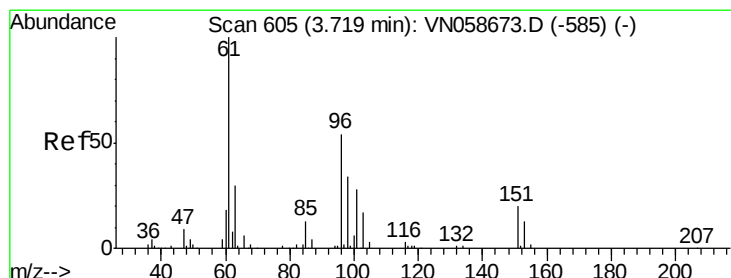
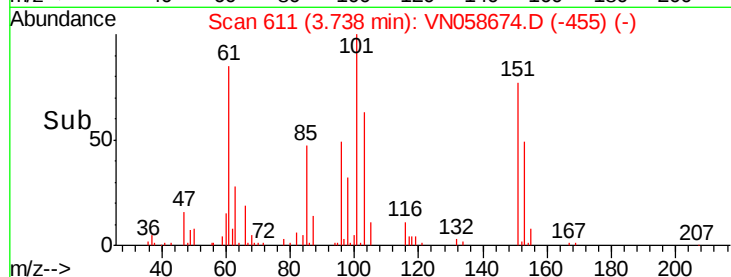
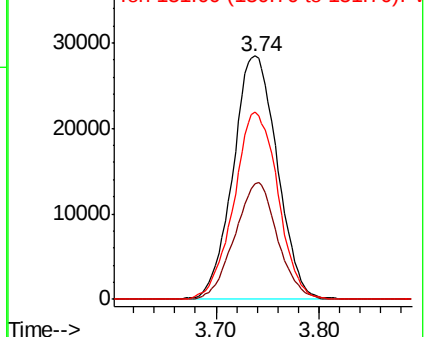
151 76.5 0.0 149.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.945 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

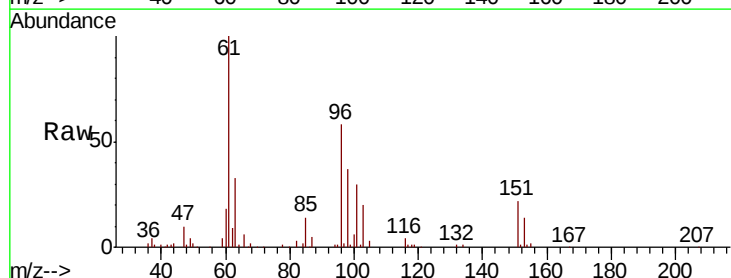
Tgt Ion: 96 Resp: 82223

Ion Ratio Lower Upper

96 100

61 173.2 148.5 222.7

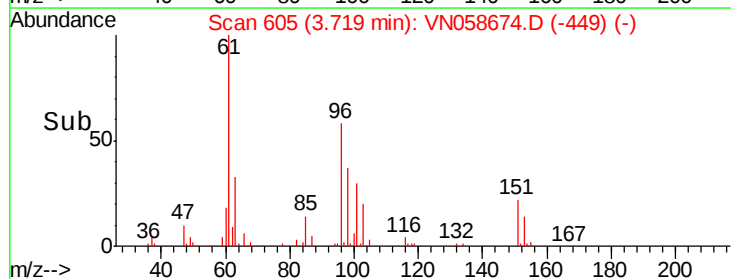
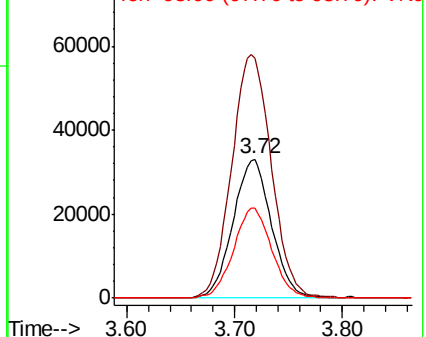
98 64.5 51.0 76.6

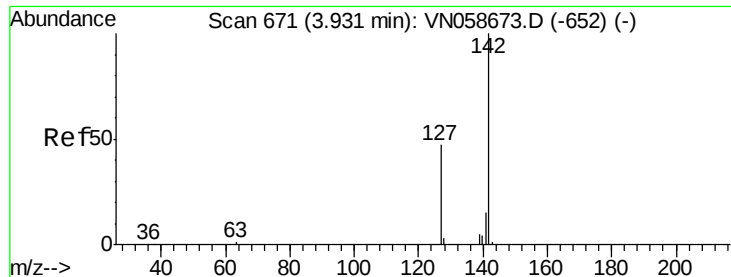


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

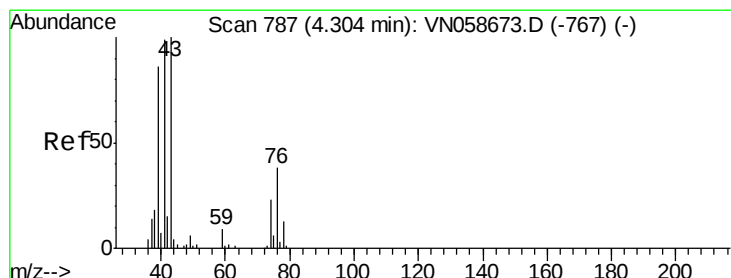
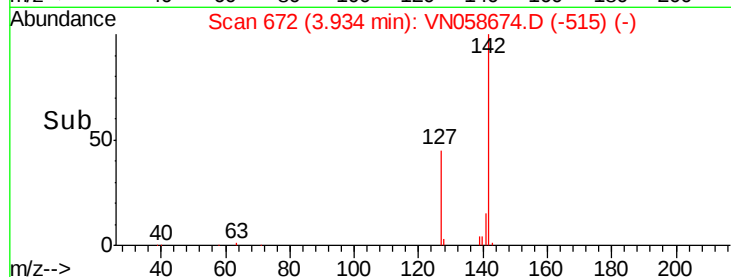
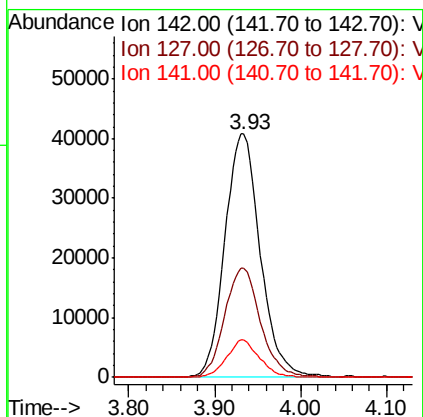
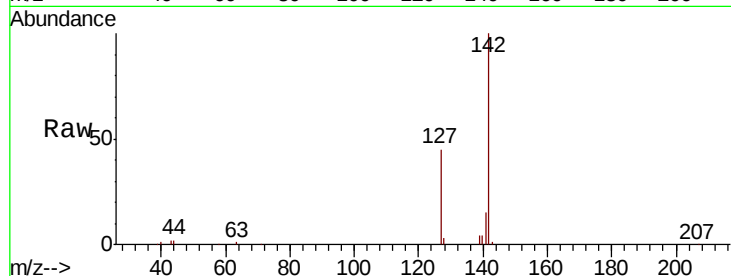




#11
Methvl Iodide
Concen: 21.317 ug/l
RT: 3.93 min Scan# 672
Delta R.T. 0.00 min
Lab File: VN058674.D
Acq: 10 Oct 2019 18:56

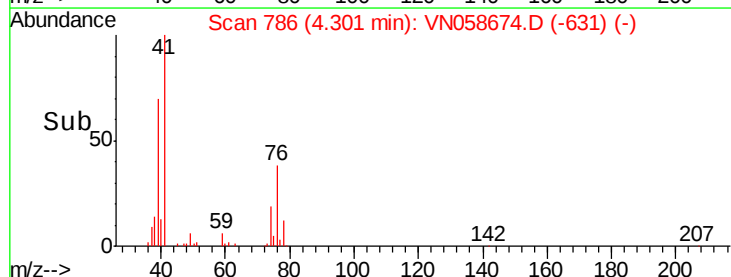
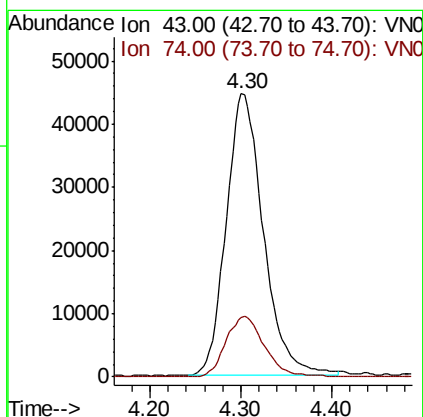
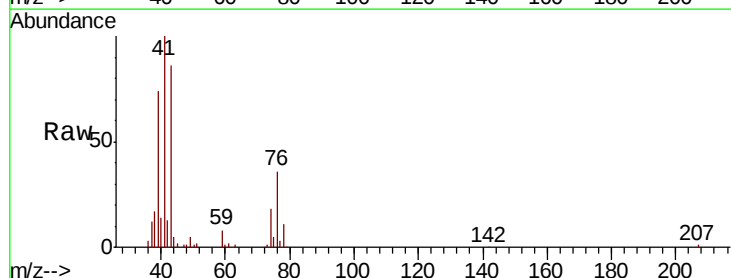
Instrument :
MSVOA_N
ClientSampleId :
ICVVN101119

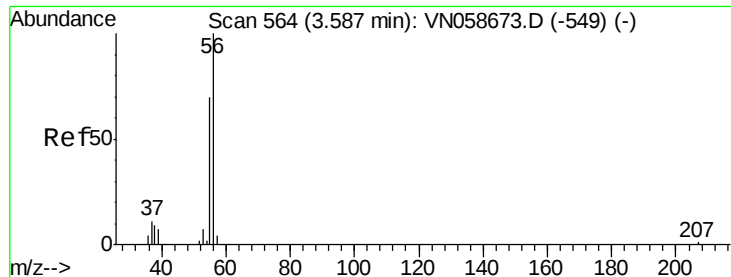
Tot Ion:142 Resp: 116543
Ion Ratio Lower Upper
142 100
127 44.9 23.5 70.6
141 15.3 7.4 22.2



#12
Methyl Acetate
Concen: 20.174 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058674.D
Acq: 10 Oct 2019 18:56

Tgt Ion: 43 Resp: 126709
Ion Ratio Lower Upper
43 100
74 21.3 18.1 27.1





#13

Acrolein

Concen: 95.342 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

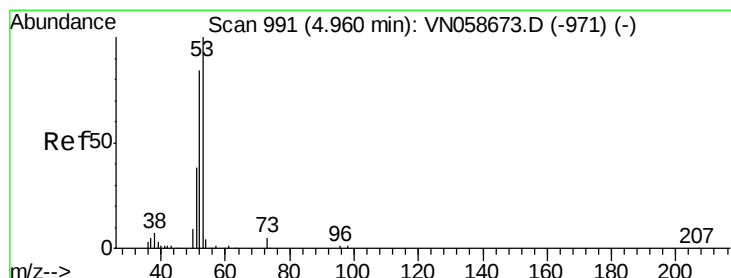
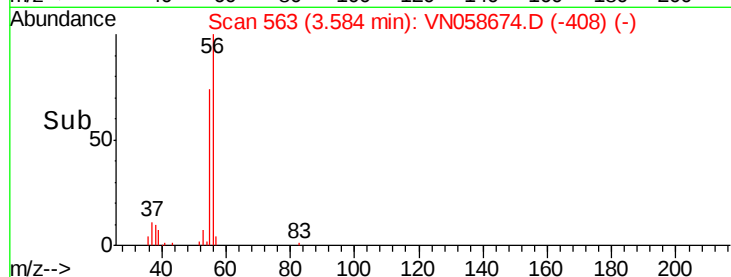
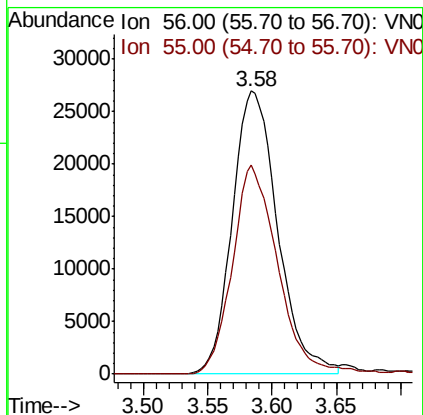
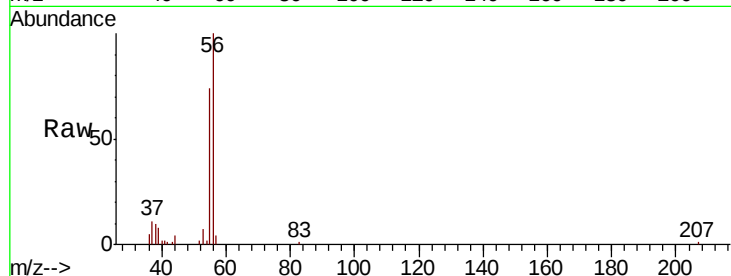
ICVFN101119

Tot Ion: 56 Resp: 66165

Ion Ratio Lower Upper

56 100

55 72.2 55.9 83.9



#14

Acrylonitrile

Concen: 103.515 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

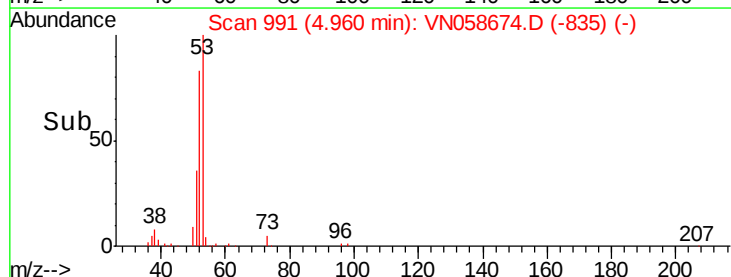
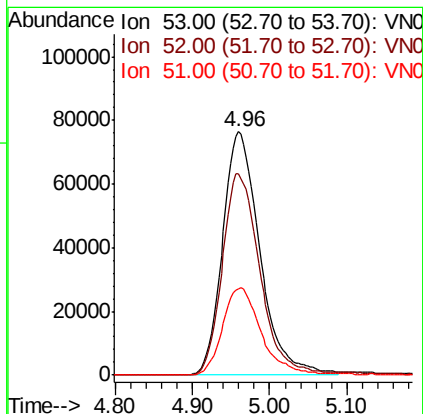
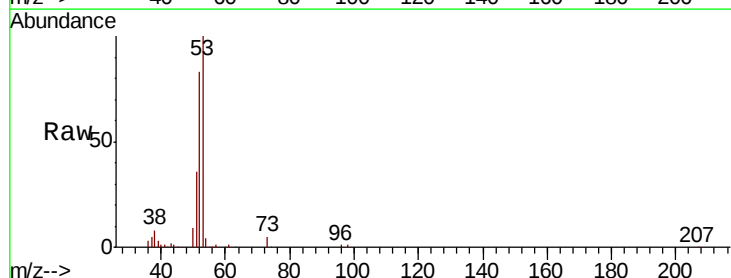
Tgt Ion: 53 Resp: 256178

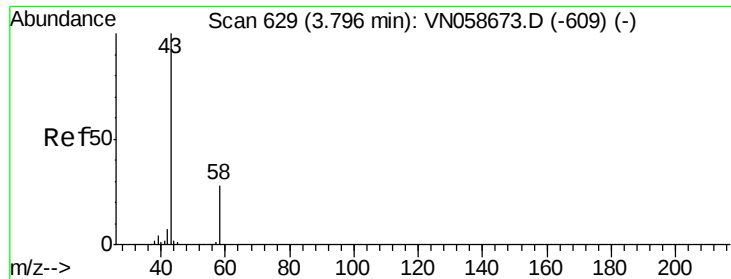
Ion Ratio Lower Upper

53 100

52 83.4 42.2 126.6

51 37.2 18.8 56.4





#15

Acetone

Concen: 98.756 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

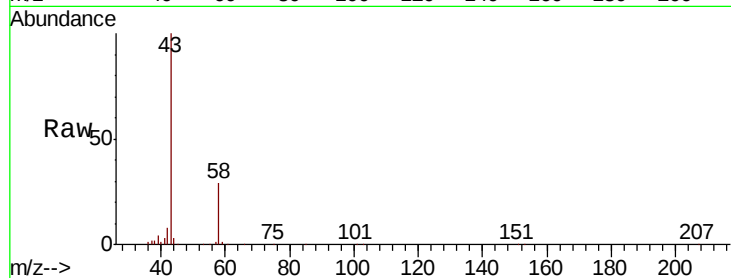
ICVFN101119

Tot Ion: 58 Resp: 72547

Ion Ratio Lower Upper

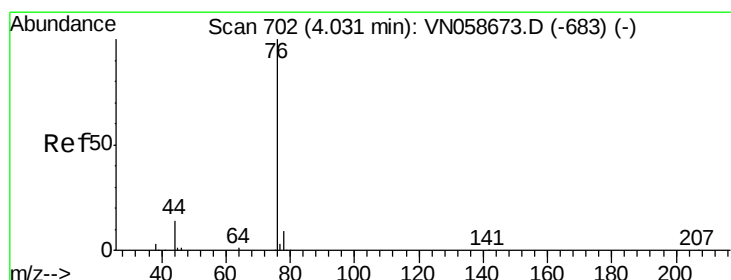
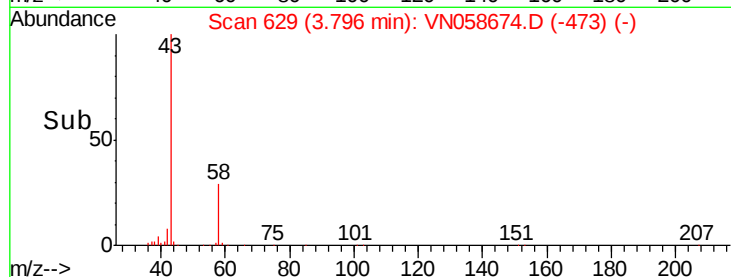
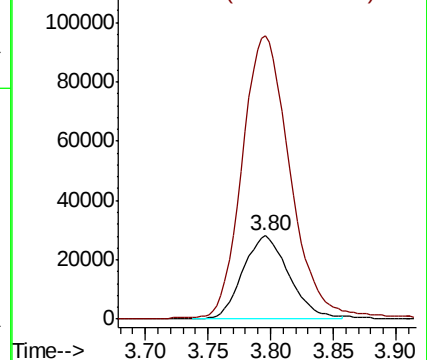
58 100

43 338.0 281.7 422.5



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 20.877 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058674.D

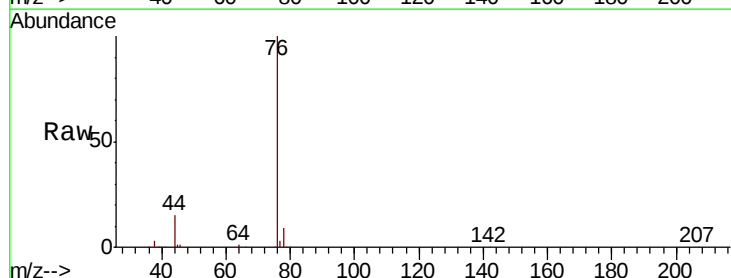
Acq: 10 Oct 2019 18:56

Tgt Ion: 76 Resp: 239043

Ion Ratio Lower Upper

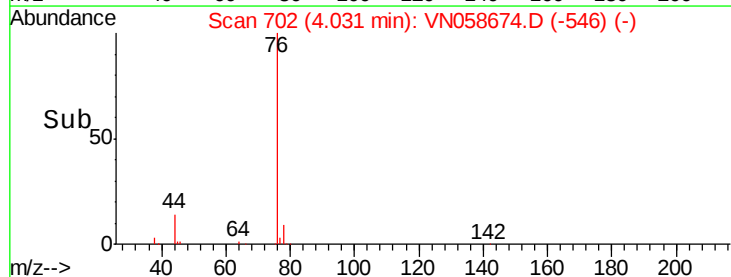
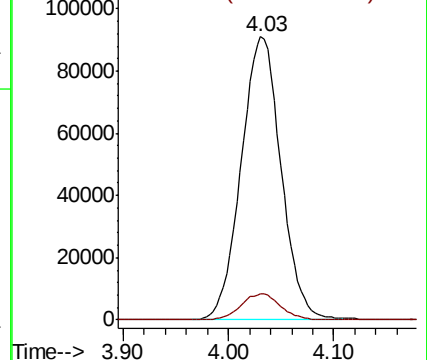
76 100

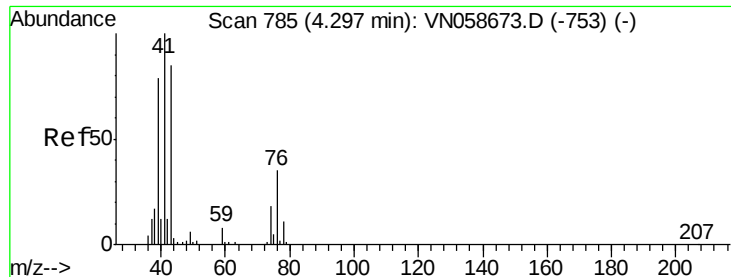
78 9.3 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

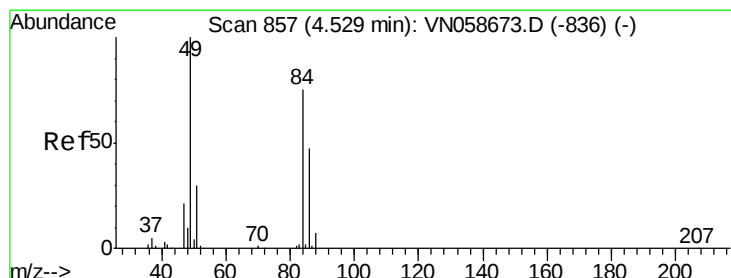
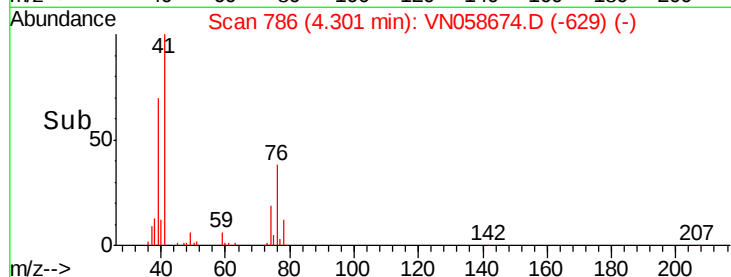
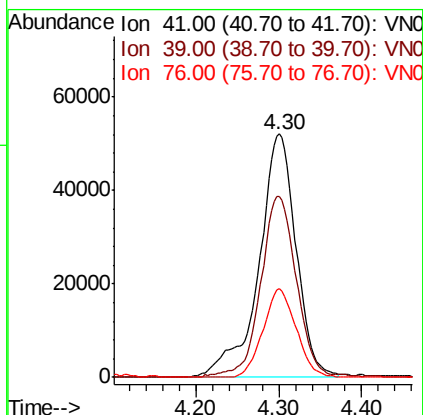
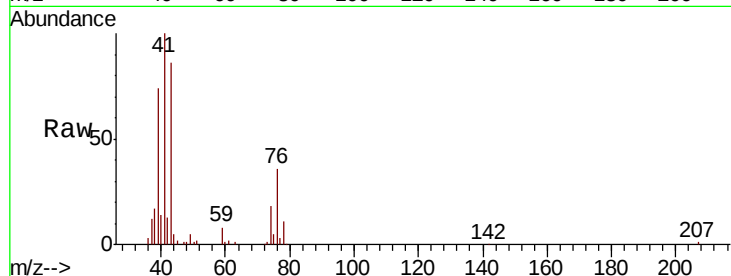




#17
Allvl chloride
Concen: 20.744 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058674.D
Acq: 10 Oct 2019 18:56

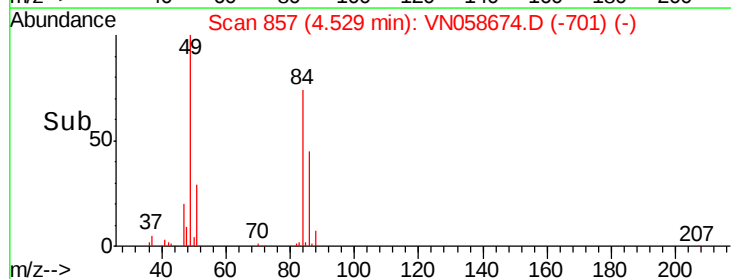
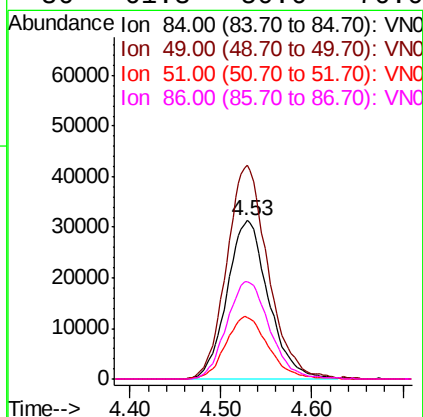
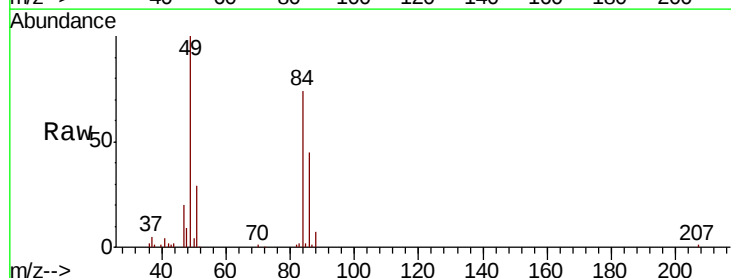
Instrument :
MSVOA_N
ClientSampleId :
ICVVN101119

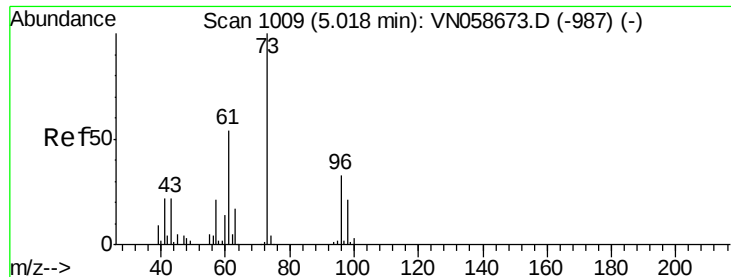
Tot Ion: 41 Resp: 162085
Ion Ratio Lower Upper
41 100
39 74.7 39.6 118.8
76 36.5 17.6 52.9



#18
Methylene Chloride
Concen: 20.842 ug/l
RT: 4.53 min Scan# 857
Delta R.T. -0.00 min
Lab File: VN058674.D
Acq: 10 Oct 2019 18:56

Tgt Ion: 84 Resp: 99079
Ion Ratio Lower Upper
84 100
49 134.4 106.6 160.0
51 39.2 32.4 48.6
86 61.3 50.6 76.0

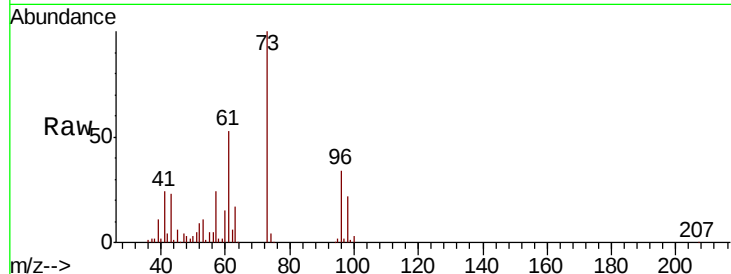




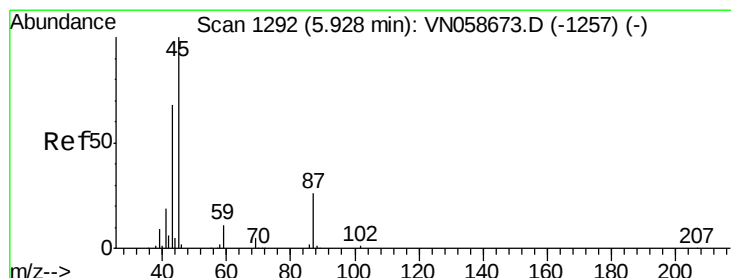
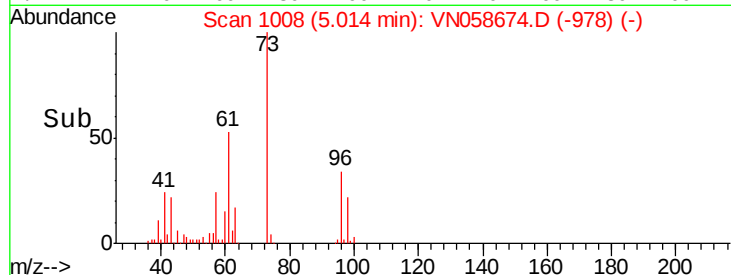
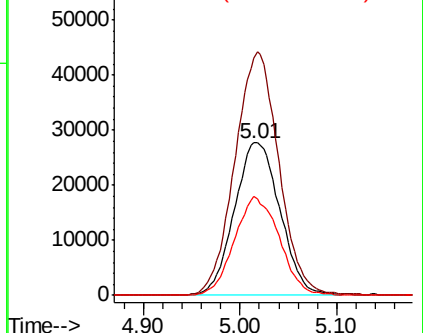
#19
trans-1,2-Dichloroethene
Concen: 21.304 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058674.D
Acq: 10 Oct 2019 18:56

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101119

Tot Ion: 96 Resp: 91048
Ion Ratio Lower Upper
96 100
61 154.9 131.8 197.6
98 65.1 52.6 79.0

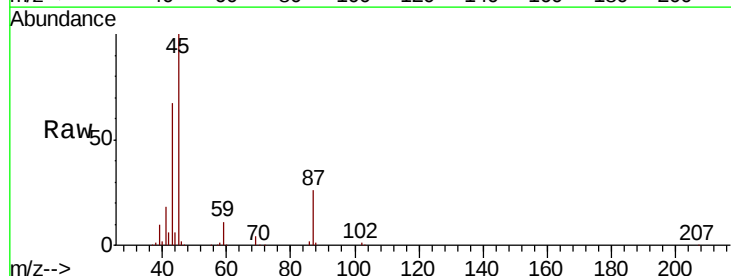


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

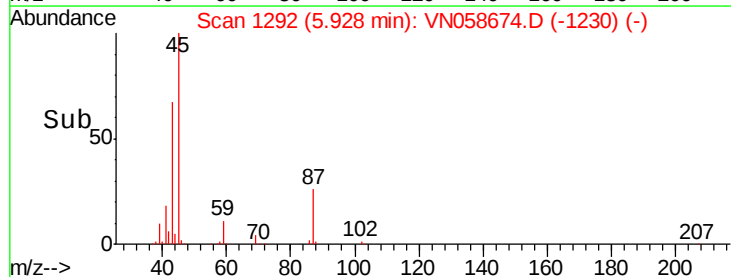
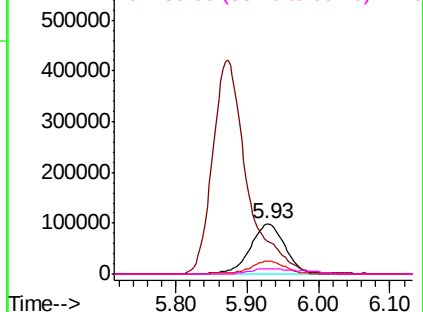


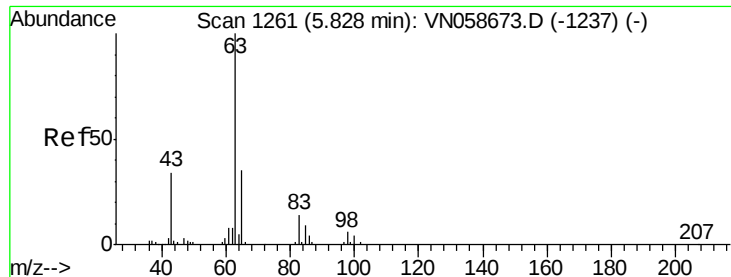
#20
Diisopropyl ether
Concen: 21.094 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058674.D
Acq: 10 Oct 2019 18:56

Tgt Ion: 45 Resp: 335804
Ion Ratio Lower Upper
45 100
43 65.3 54.7 82.1
87 25.7 21.5 32.3
59 10.9 8.7 13.1



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





#21

1,1-Dichloroethane

Concen: 21.144 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

ICVFN101119

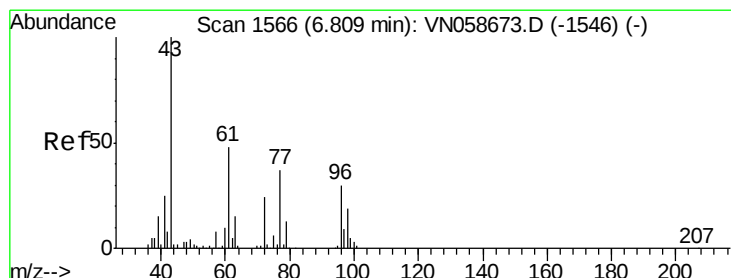
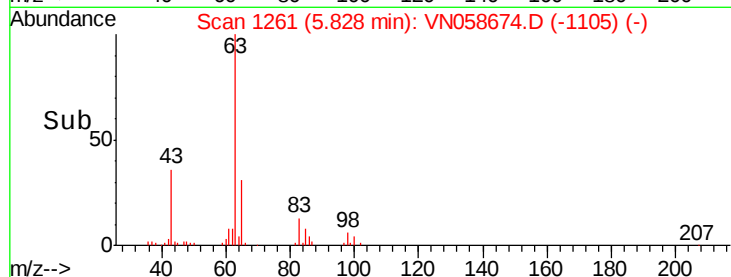
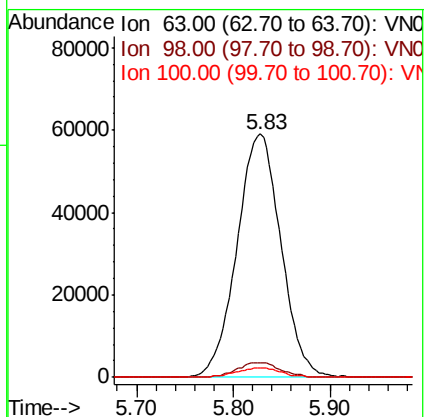
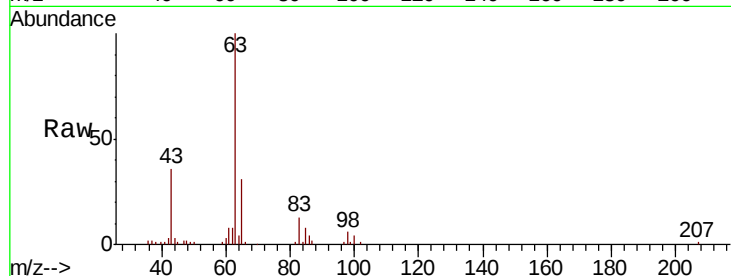
Tot Ion: 63 Resp: 186394

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.6

100 3.8 1.8 5.5



#22

cis-1,2-Dichloroethene

Concen: 21.196 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

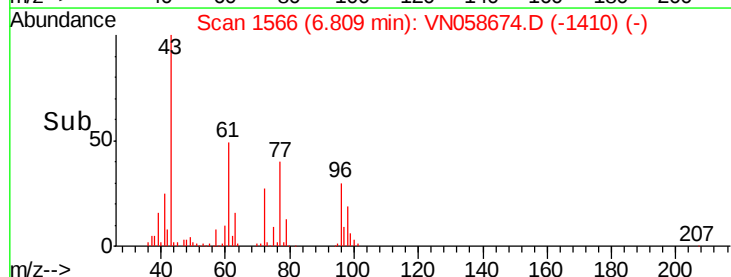
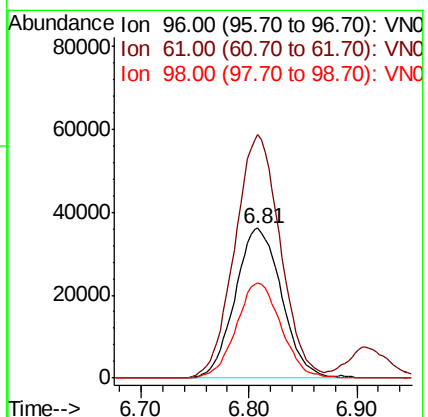
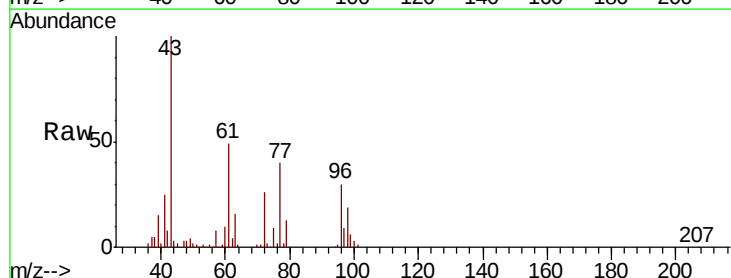
Tgt Ion: 96 Resp: 108003

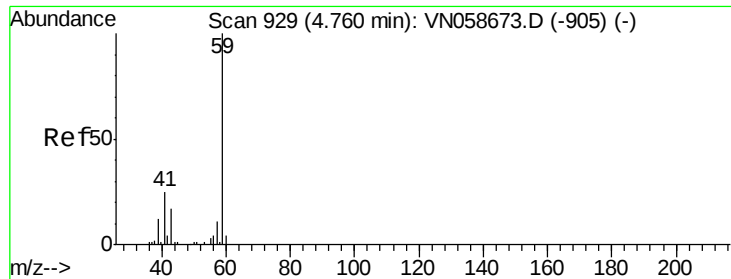
Ion Ratio Lower Upper

96 100

61 159.3 127.2 190.8

98 61.4 50.5 75.7





#23

tert-Butyl Alcohol

Concen: 101.760 ug/l

RT: 4.76 min Scan# 929

Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

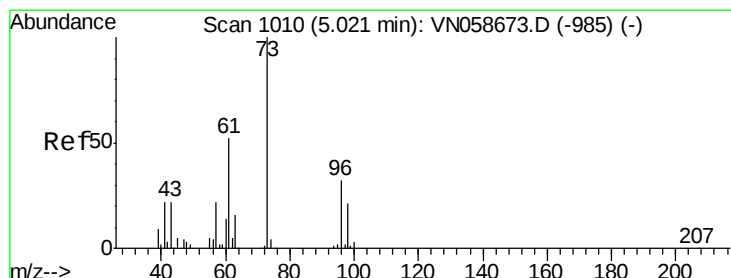
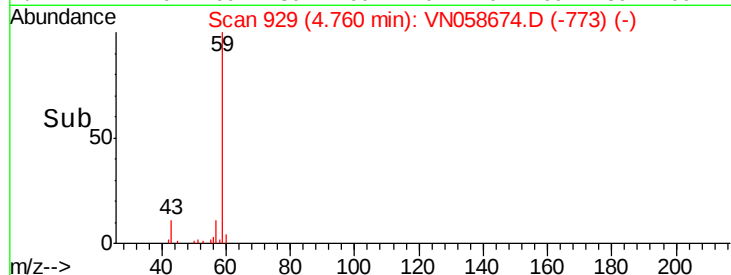
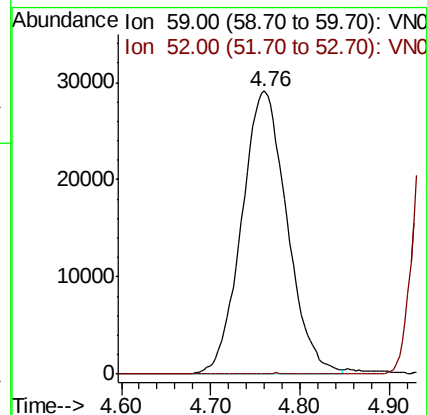
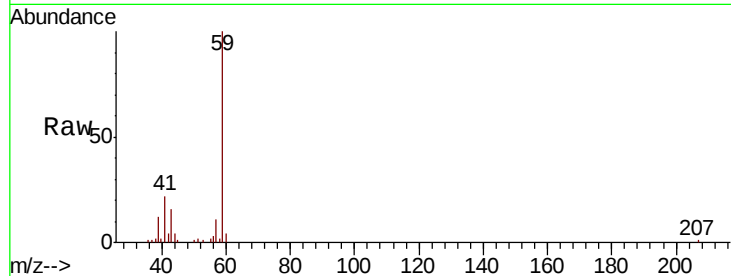
ICVFN101119

Tot Ion: 59 Resp: 103007

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#24

Methyl tert-Butyl Ether

Concen: 21.105 ug/l

RT: 5.02 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN058674.D

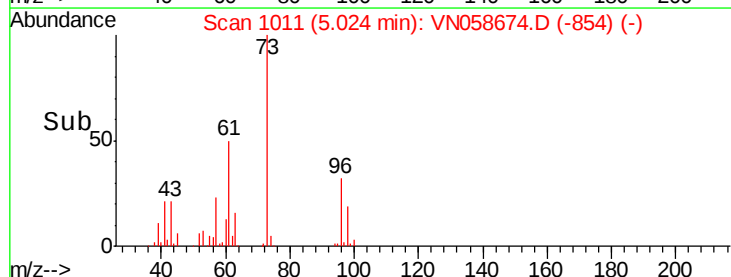
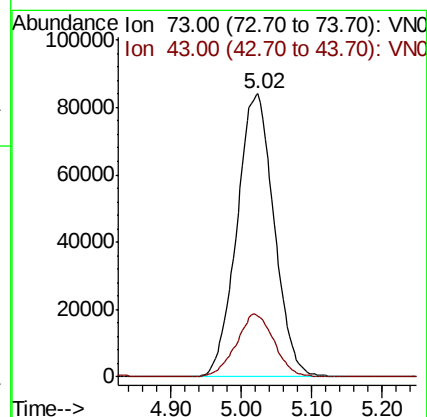
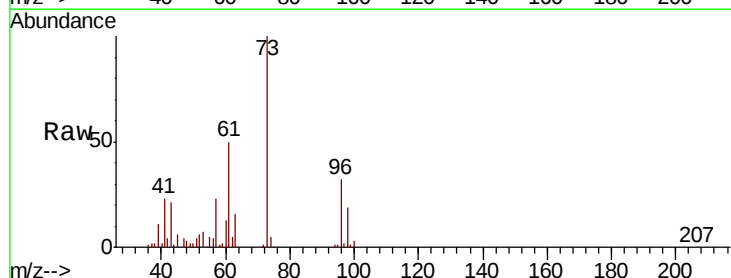
Acq: 10 Oct 2019 18:56

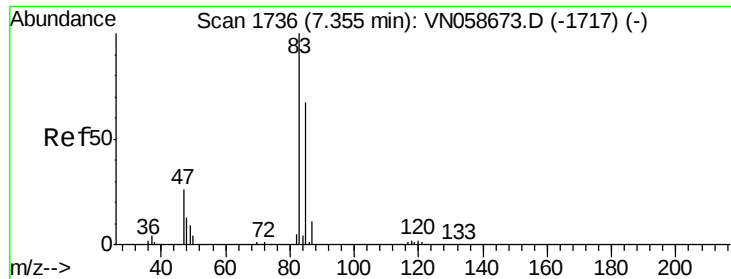
Tgt Ion: 73 Resp: 309081

Ion Ratio Lower Upper

73 100

43 22.3 17.9 26.9

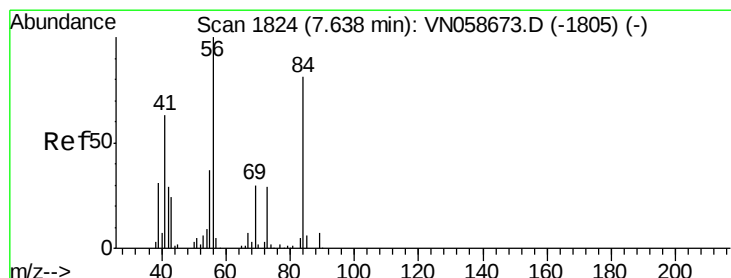
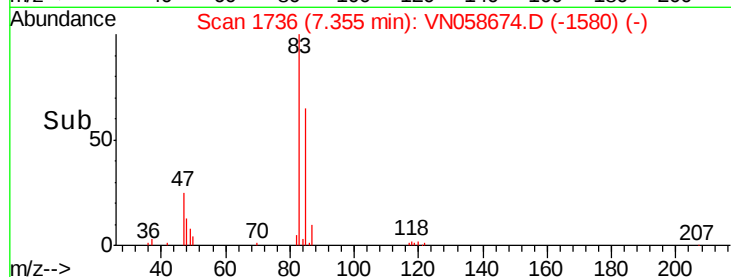
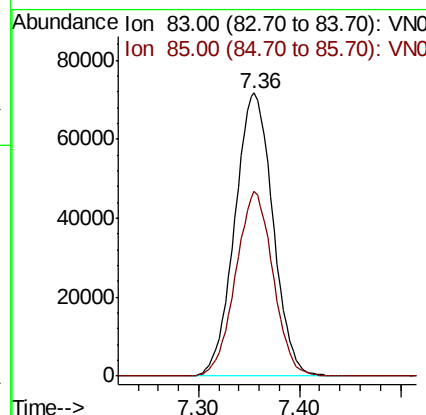
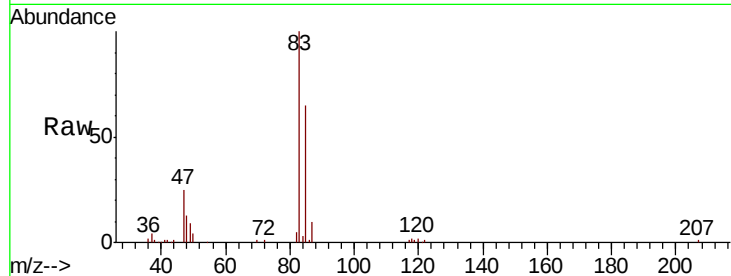




#25
Chloroform
Concen: 21.369 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058674.D
Acq: 10 Oct 2019 18:56

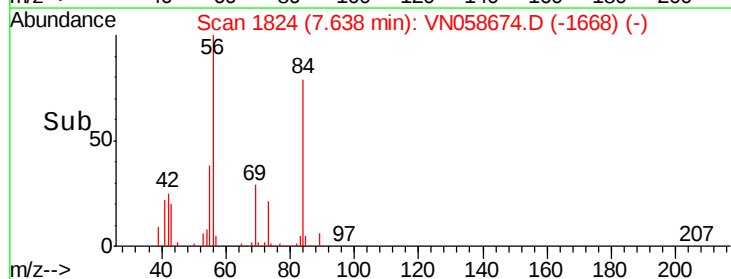
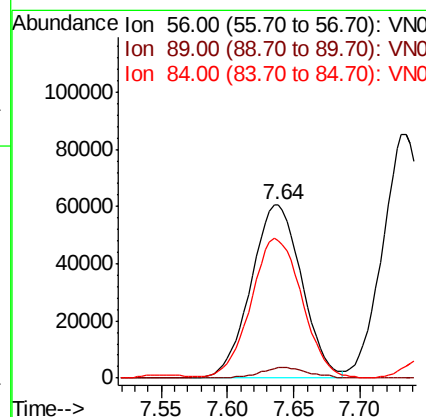
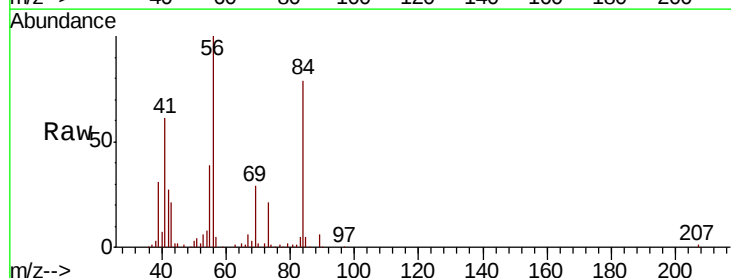
Instrument :
MSVOA_N
ClientSampleId :
ICVFN101119

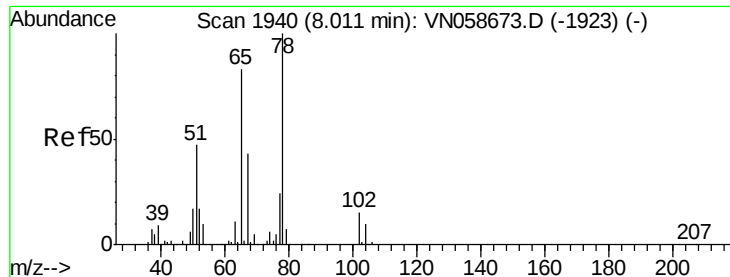
Tot Ion: 83 Resp: 187875
Ion Ratio Lower Upper
83 100
85 65.3 53.8 80.8



#26
Cyclohexane
Concen: 20.882 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.00 min
Lab File: VN058674.D
Acq: 10 Oct 2019 18:56

Tgt Ion: 56 Resp: 161573
Ion Ratio Lower Upper
56 100
89 5.8 6.2 9.2#
84 81.5 65.6 98.4

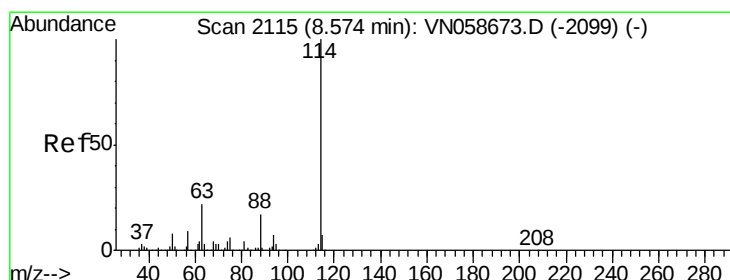
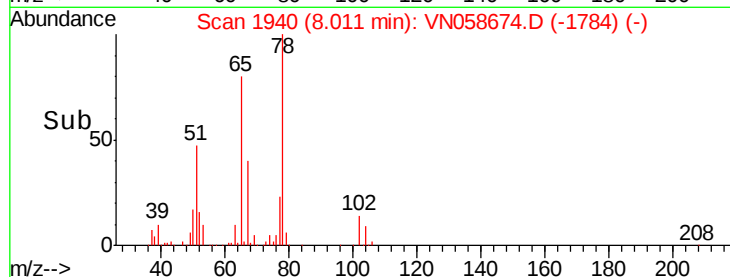
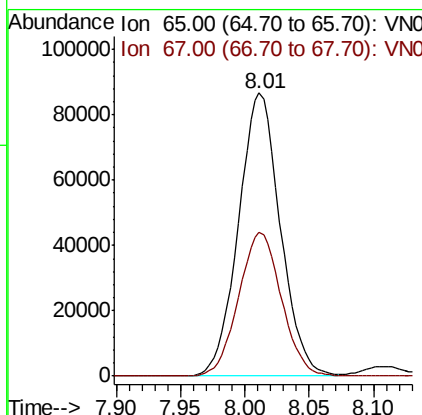
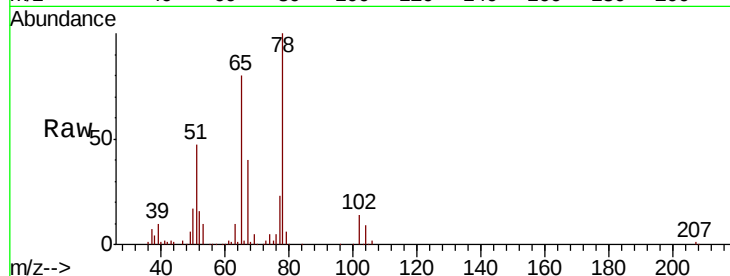




#27
 1,2-Dichloroethane-d4
 Concen: 30.746 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058674.D
 Acq: 10 Oct 2019 18:56

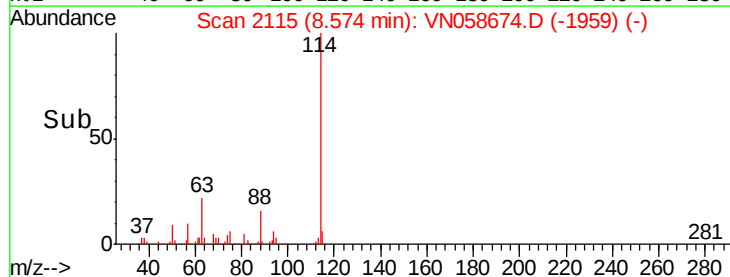
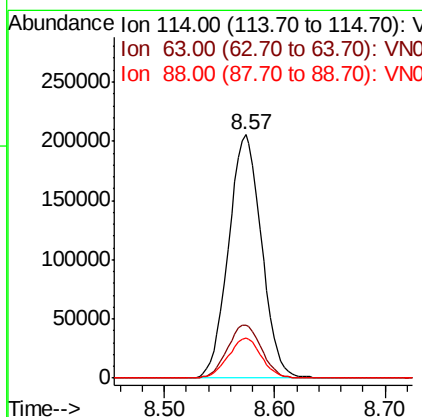
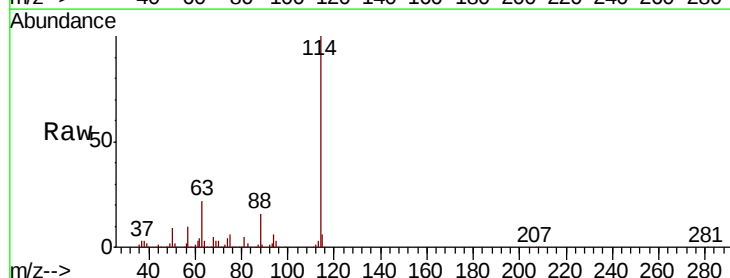
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101119

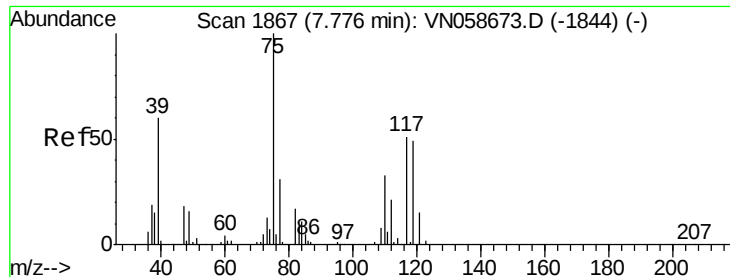
Tot Ion: 65 Resp: 195792
 Ion Ratio Lower Upper
 65 100
 67 52.0 41.5 62.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058674.D
 Acq: 10 Oct 2019 18:56

Tgt Ion: 114 Resp: 426729
 Ion Ratio Lower Upper
 114 100
 63 22.5 18.1 27.1
 88 16.5 13.0 19.4

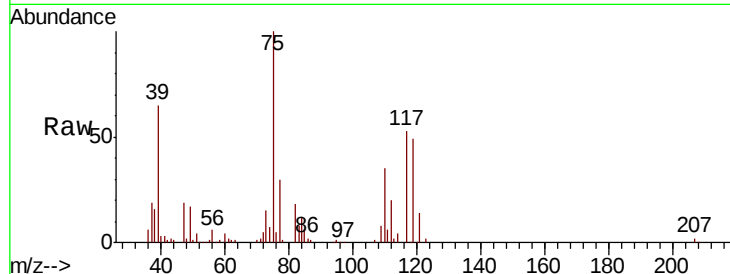




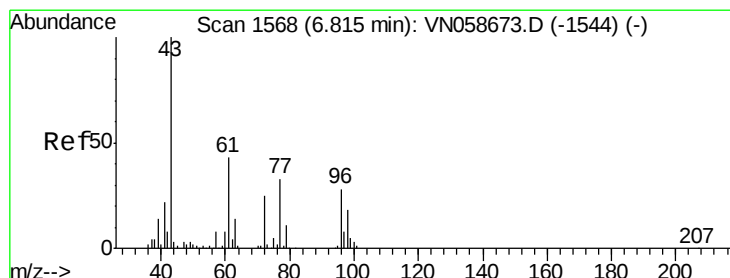
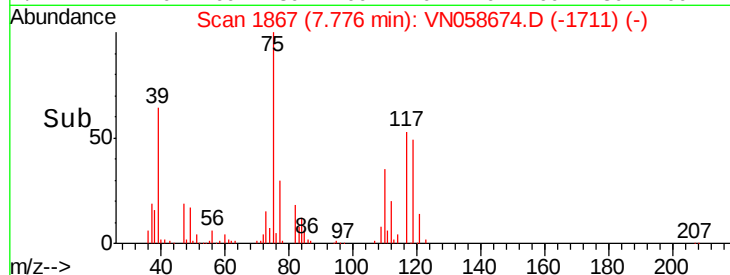
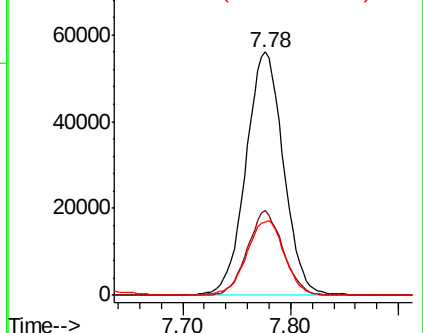
#29
 1,1-Dichloropropene
 Concen: 20.172 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN058674.D
 Acq: 10 Oct 2019 18:56

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101119

Tot Ion	Ratio	Lower	Upper
75	100		
110	32.9	0.0	64.6
77	31.0	0.0	60.8

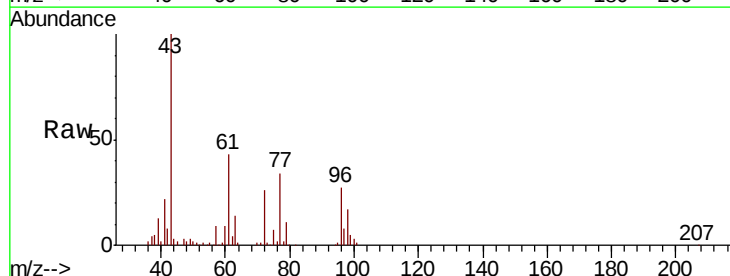


Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 110.00 (109.70 to 110.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0

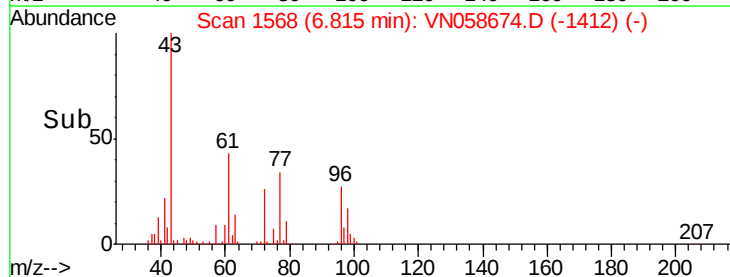
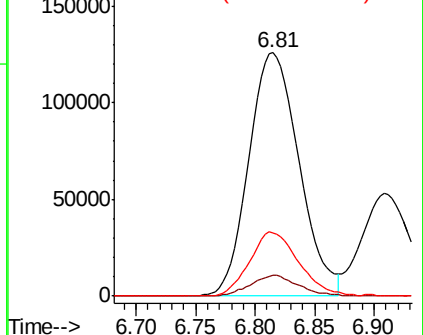


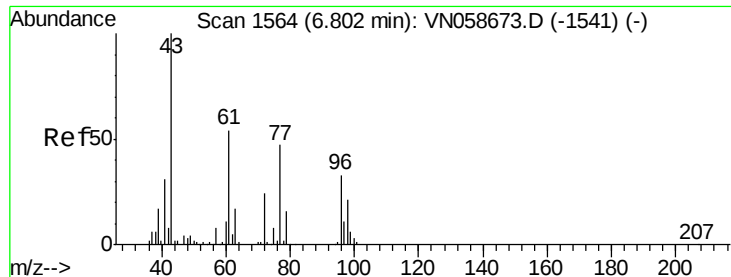
#30
 2-Butanone
 Concen: 96.844 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN058674.D
 Acq: 10 Oct 2019 18:56

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.3	6.5	9.7
72	25.8	20.1	30.1



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0
 Ion 72.00 (71.70 to 72.70): VN0

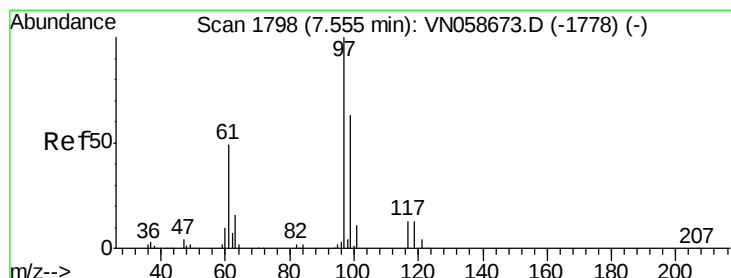
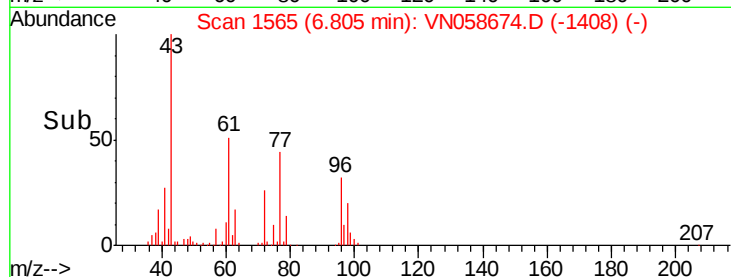
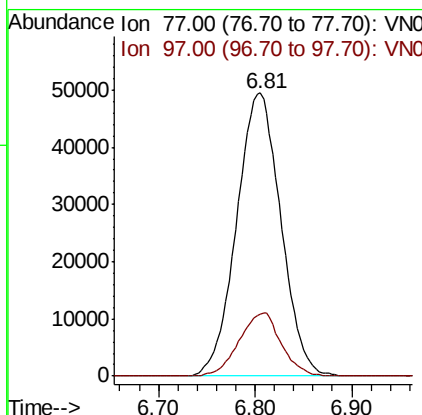
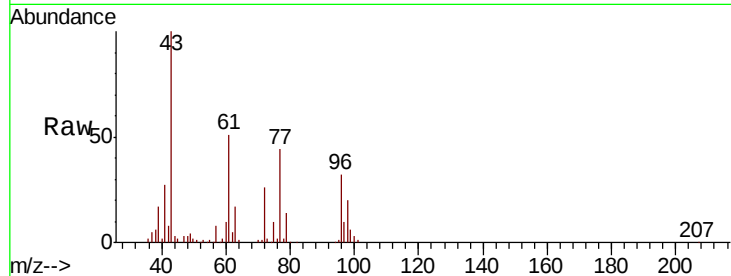




#31
 2,2-Dichloropropane
 Concen: 19.857 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN058674.D
 Acq: 10 Oct 2019 18:56

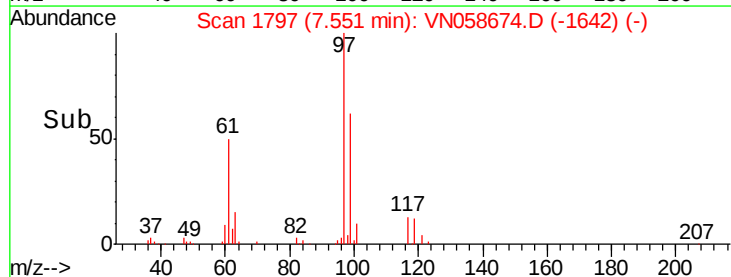
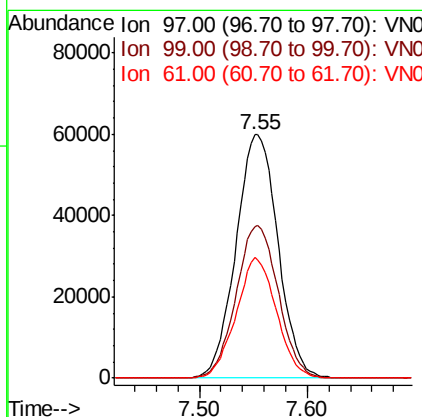
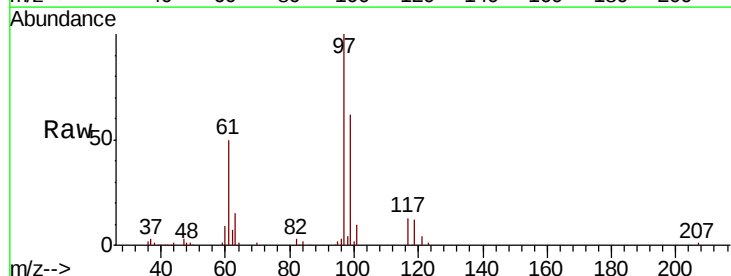
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101119

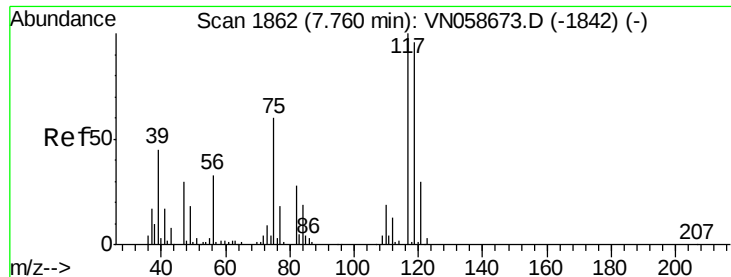
Tot Ion: 77 Resp: 157217
 Ion Ratio Lower Upper
 77 100
 97 21.3 17.9 26.9



#32
 1,1,1-Trichloroethane
 Concen: 20.896 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN058674.D
 Acq: 10 Oct 2019 18:56

Tgt Ion: 97 Resp: 162344
 Ion Ratio Lower Upper
 97 100
 99 62.8 51.3 76.9
 61 47.5 38.4 57.6

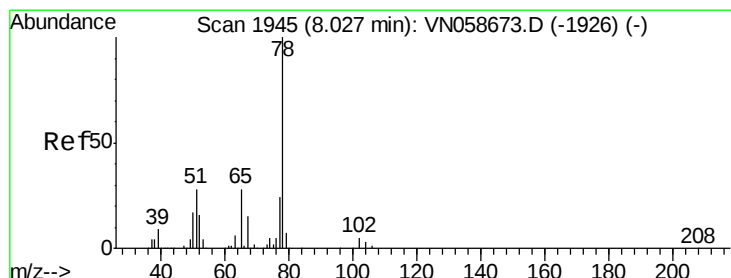
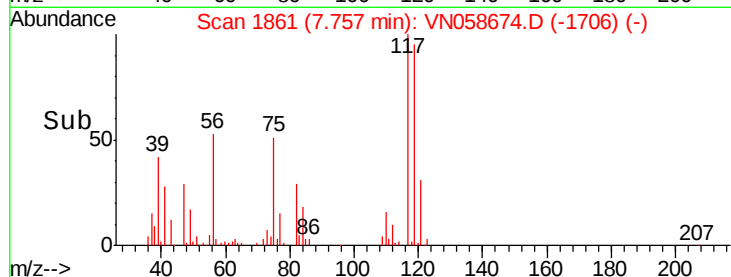
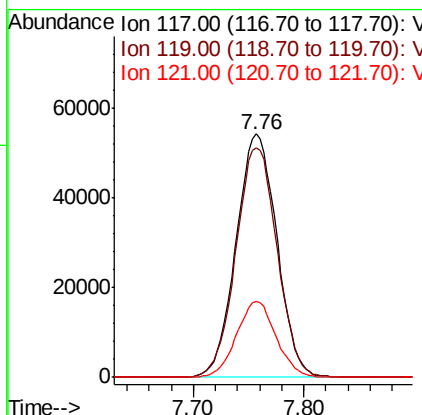
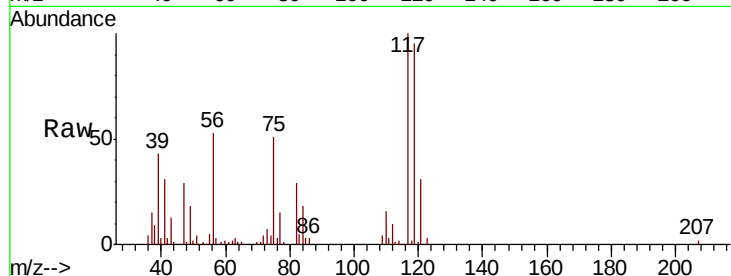




#33
Carbon Tetrachloride
Concen: 20.676 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058674.D
Acq: 10 Oct 2019 18:56

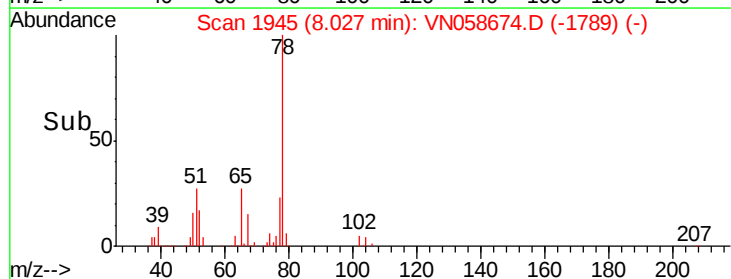
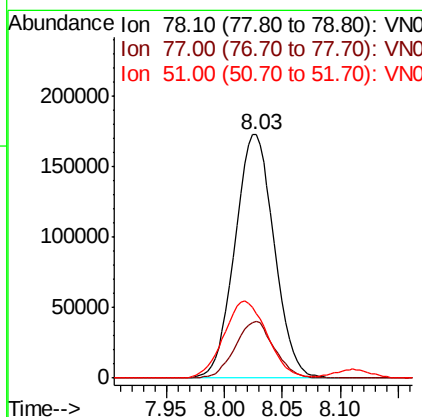
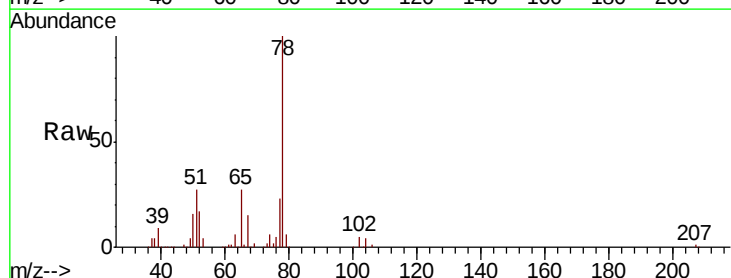
Instrument :
MSVOA_N
ClientSampleId :
ICVFN101119

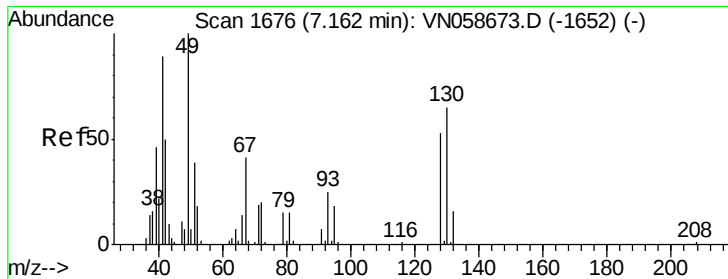
Tot Ion	Ratio	Lower	Upper
117	100		
119	94.5	76.9	115.3
121	31.2	23.8	35.8



#34
Benzene
Concen: 20.609 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058674.D
Acq: 10 Oct 2019 18:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8
51	26.3	22.1	33.1

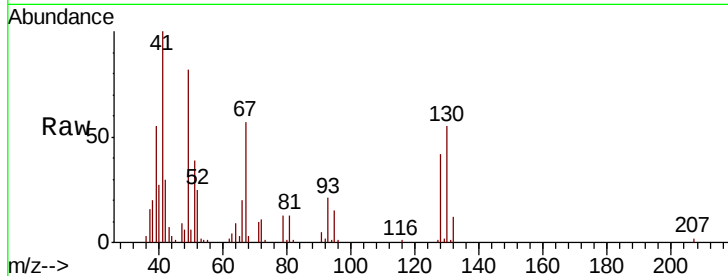




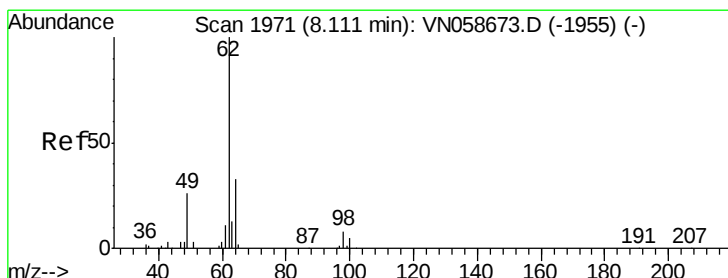
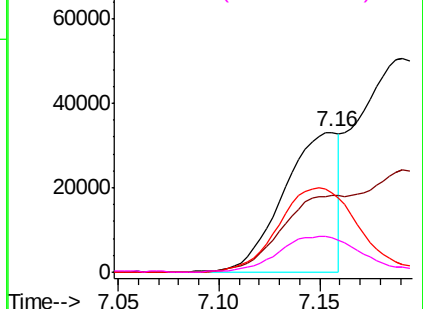
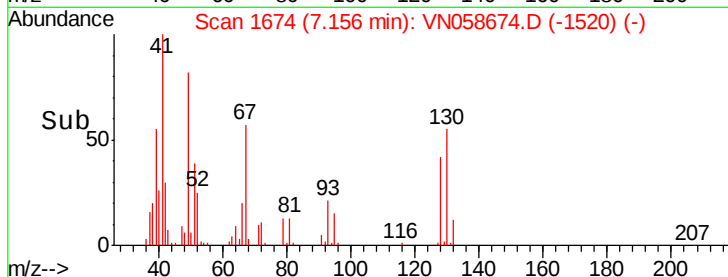
#35
Methacrylonitrile
Concen: 18.709 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN058674.D
Acq: 10 Oct 2019 18:56

Instrument :
MSVOA_N
ClientSampleId :
ICVFN101119

Tot Ion:	41	Resp:	62737
Ion	Ratio	Lower	Upper
41	100		
39	55.3	25.8	77.4
67	56.6	23.0	69.0
52	25.0	10.1	30.1

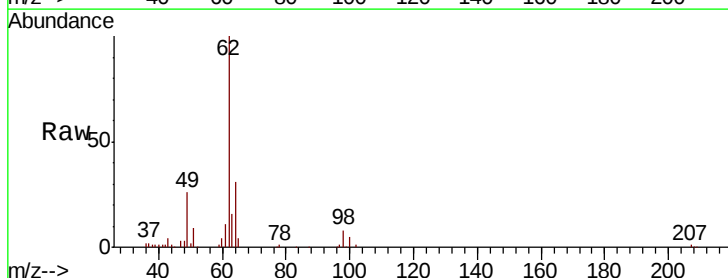


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

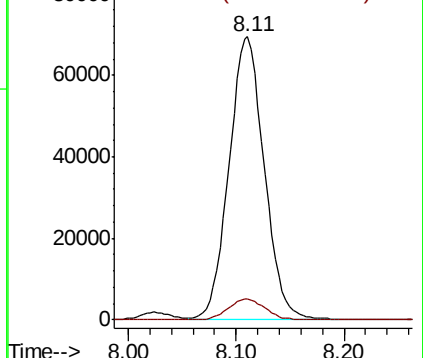
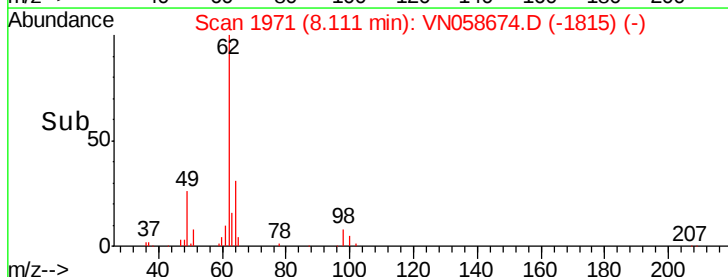


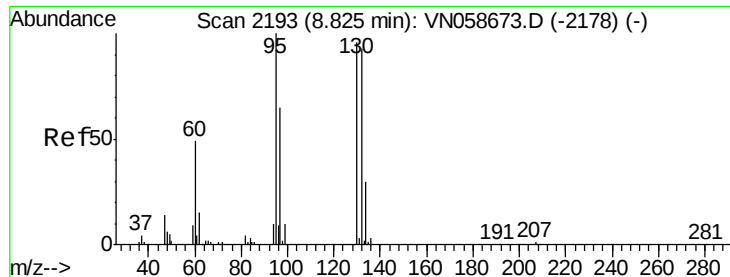
#36
1,2-Dichloroethane
Concen: 20.943 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058674.D
Acq: 10 Oct 2019 18:56

Tgt Ion:	62	Resp:	158353
Ion	Ratio	Lower	Upper
62	100		
98	7.7	6.4	9.6



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 98.00 (97.70 to 98.70): VNO





#37

Trichloroethene

Concen: 20.776 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

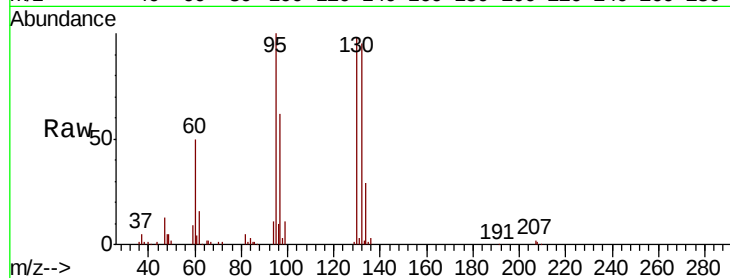
ICVNN101119

Tot Ion:130 Resp: 100935

Ion Ratio Lower Upper

130 100

95 102.3 83.2 124.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.82

60000

50000

40000

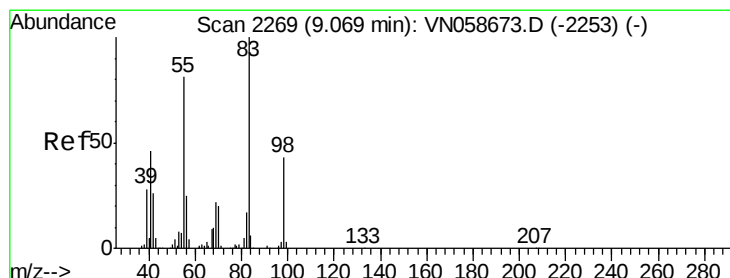
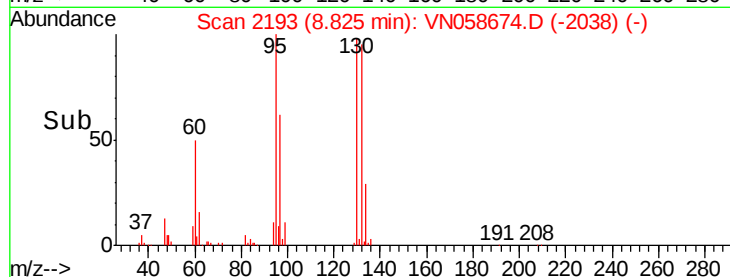
30000

20000

10000

0

Time-->



#38

Methylcyclohexane

Concen: 20.354 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

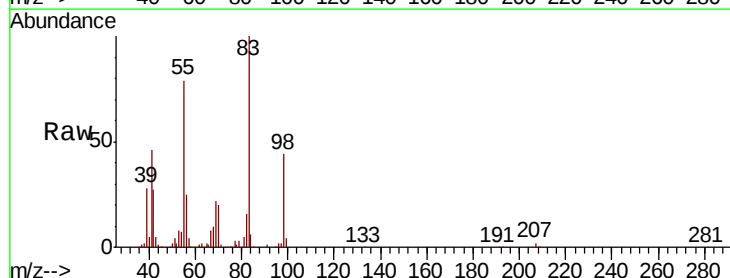
Tgt Ion: 83 Resp: 158523

Ion Ratio Lower Upper

83 100

55 79.7 40.4 121.1

98 44.1 21.6 65.0



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.07

100000

80000

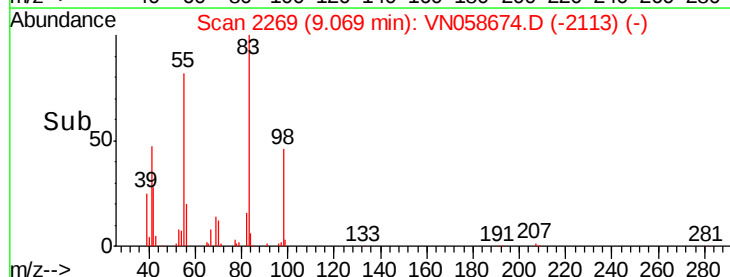
60000

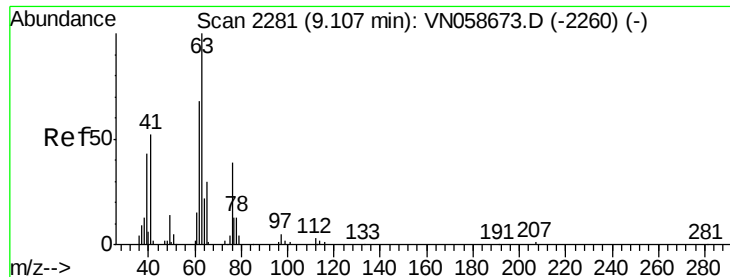
40000

20000

0

Time-->





#39

1,2-Dichloropropane

Concen: 20.250 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

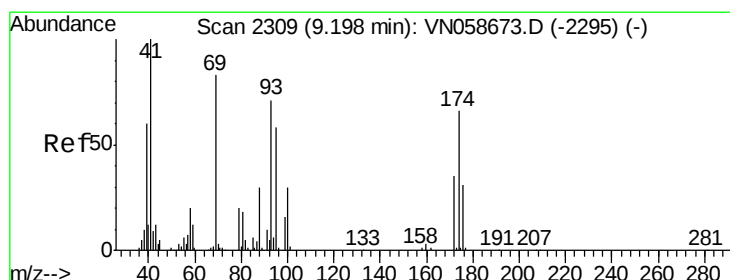
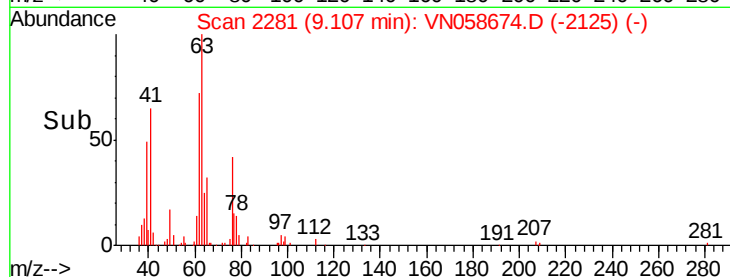
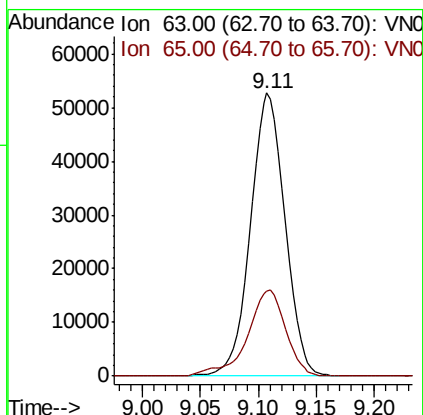
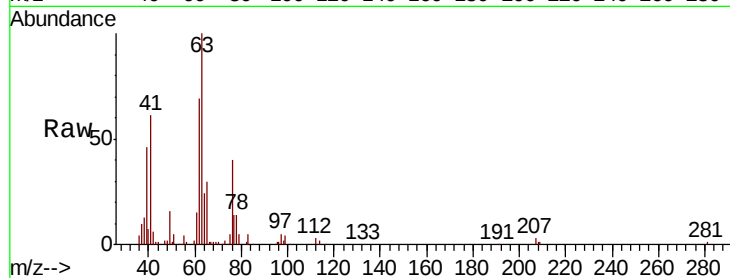
ICVVN101119

Tot Ion: 63 Resp: 109441

Ion Ratio Lower Upper

63 100

65 30.2 23.8 35.6



#40

Dibromomethane

Concen: 20.346 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

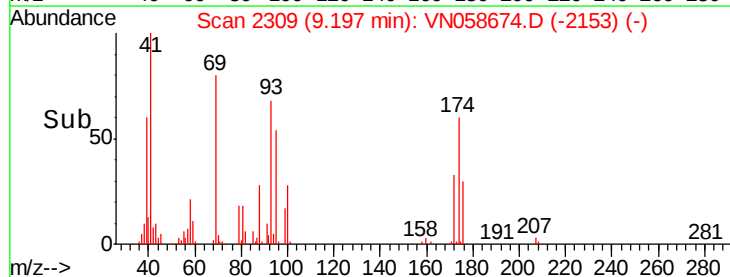
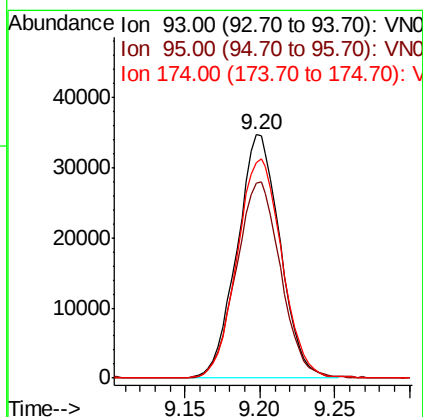
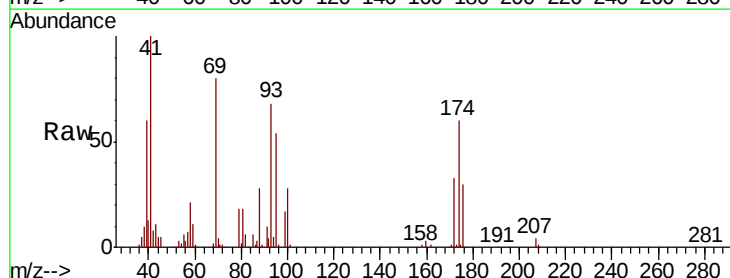
Tgt Ion: 93 Resp: 69414

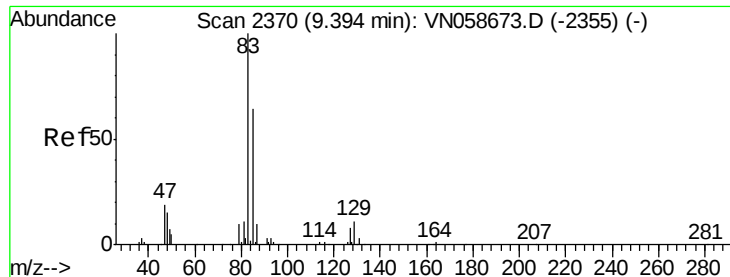
Ion Ratio Lower Upper

93 100

95 83.4 0.0 167.6

174 93.9 0.0 187.2





#41

Bromodichloromethane

Concen: 20.491 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101119

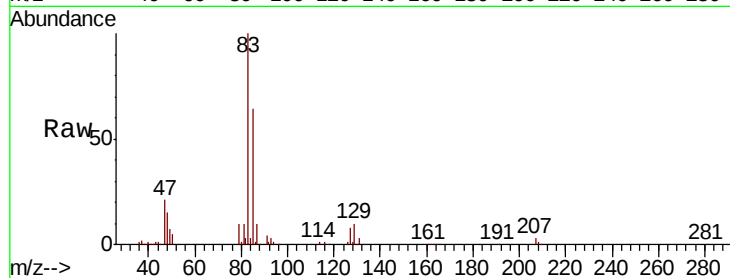
Tot Ion: 83 Resp: 142823

Ion Ratio Lower Upper

83 100

85 64.4 51.0 76.4

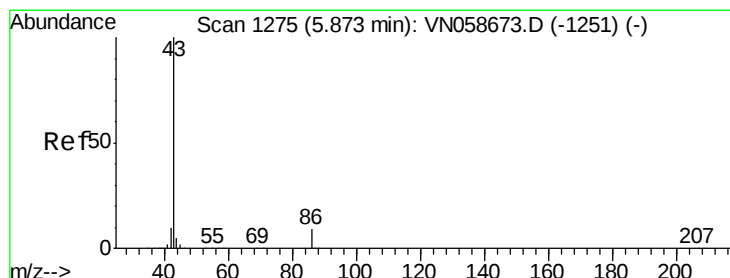
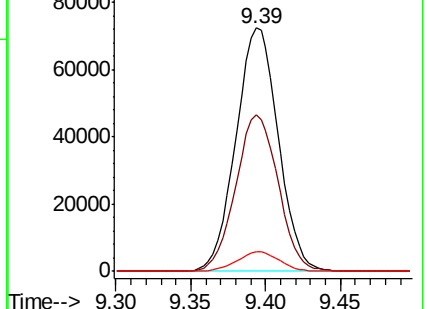
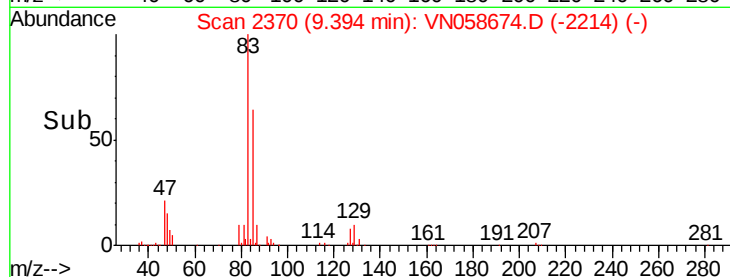
127 8.1 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN058674.D (-2214) (-)

Ion 85.00 (84.70 to 85.70): VN058674.D (-2214) (-)

Ion 127.00 (126.70 to 127.70): VN058674.D (-2214) (-)



#42

Vinyl Acetate

Concen: 105.820 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN058674.D

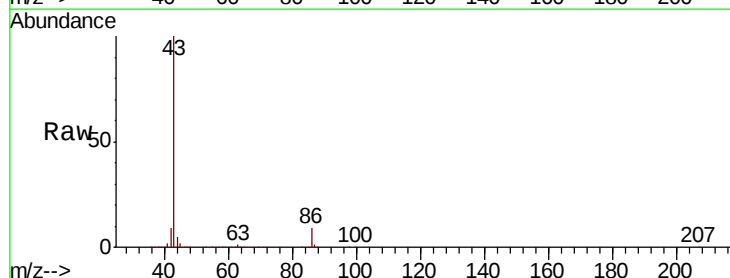
Acq: 10 Oct 2019 18:56

Tgt Ion: 43 Resp: 1406802

Ion Ratio Lower Upper

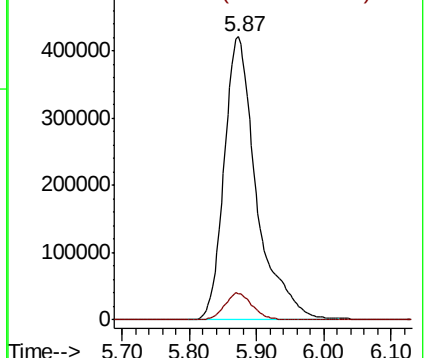
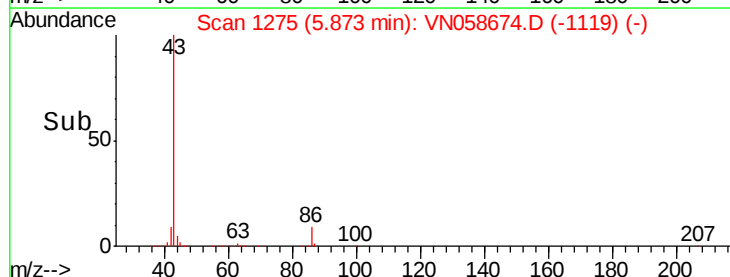
43 100

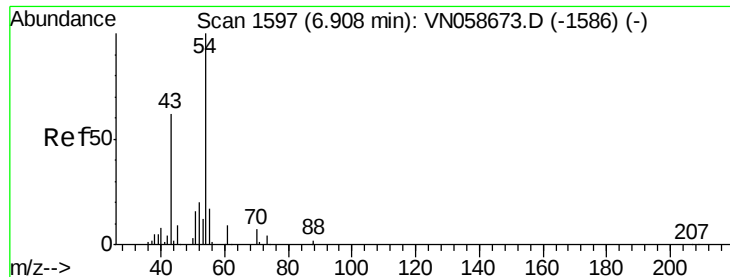
86 8.2 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN058674.D (-1119) (-)

Ion 86.00 (85.70 to 86.70): VN058674.D (-1119) (-)

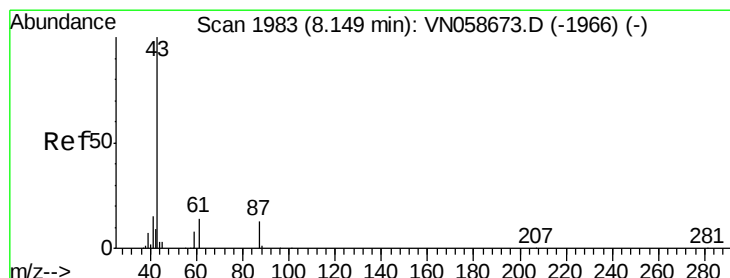
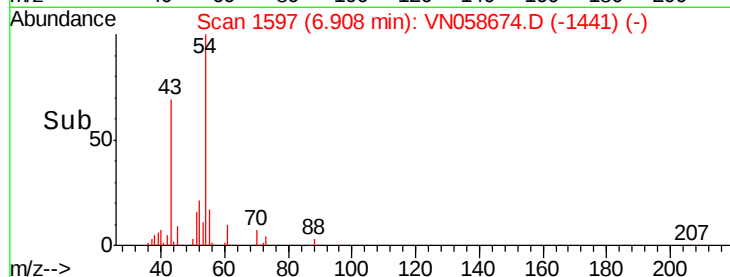
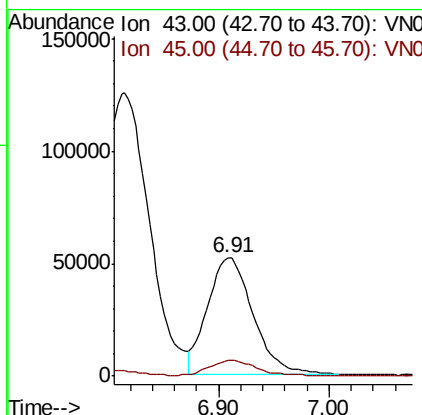
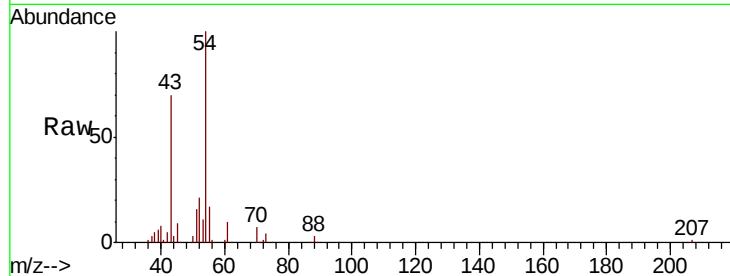




#43
Ethyl Acetate
Concen: 20.006 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058674.D
Acq: 10 Oct 2019 18:56

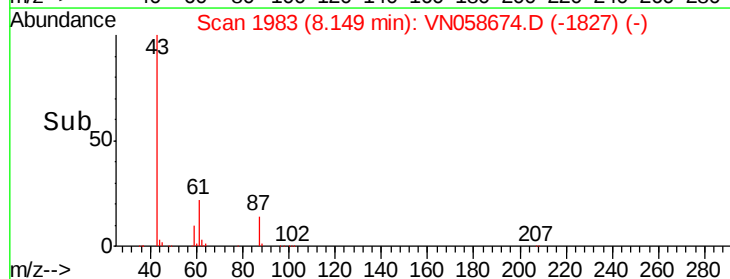
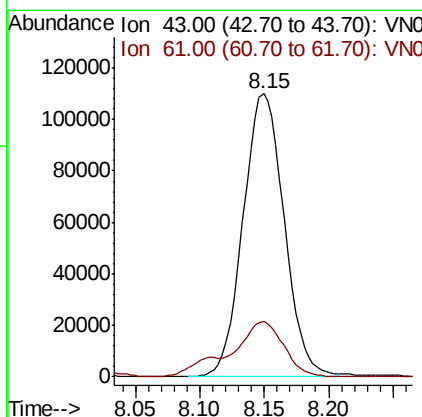
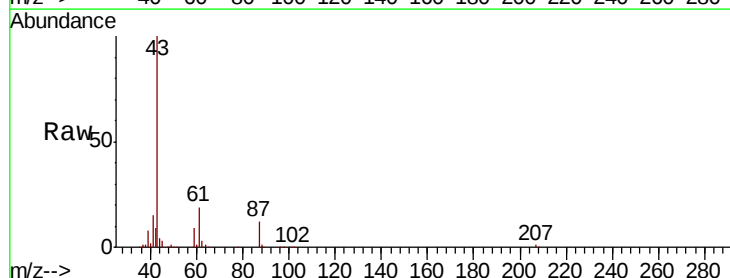
Instrument :
MSVOA_N
ClientSampleId :
ICVFN101119

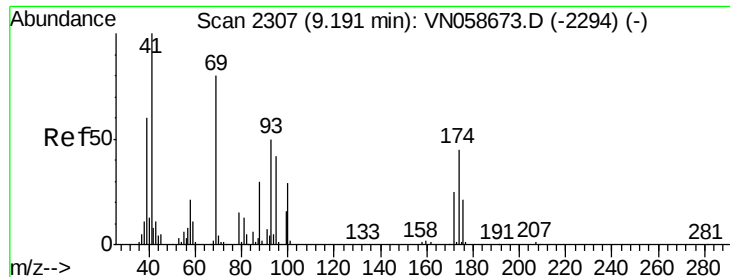
Tot Ion: 43 Resp: 149057
Ion Ratio Lower Upper
43 100
45 12.3 9.7 14.5



#44
Isopropyl Acetate
Concen: 20.171 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058674.D
Acq: 10 Oct 2019 18:56

Tgt Ion: 43 Resp: 243432
Ion Ratio Lower Upper
43 100
61 20.2 19.9 29.9

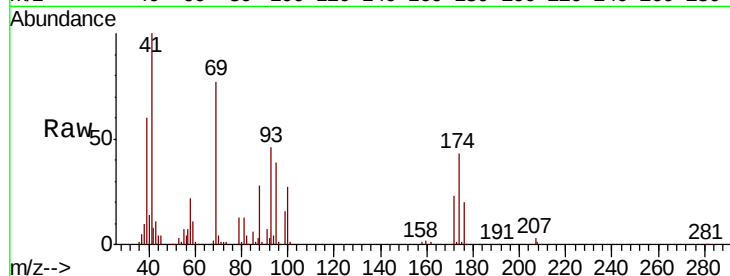




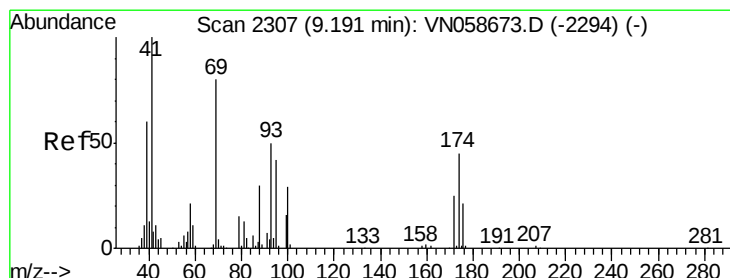
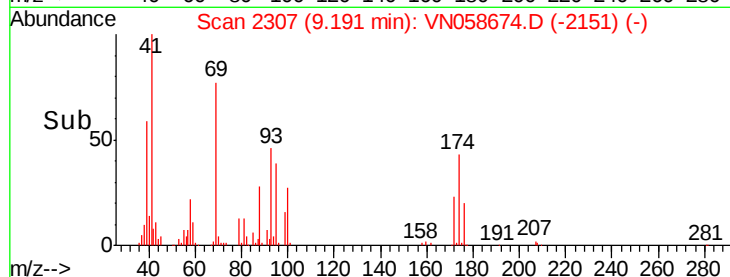
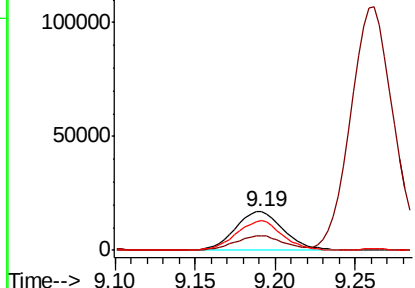
#45
 1,4-Dioxane
 Concen: 379.833 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058674.D
 Acq: 10 Oct 2019 18:56

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101119

Tot Ion	88	Resp	35199
Ion Ratio	Lower	Upper	
88	100		
43	38.0	29.8	44.8
58	72.5	58.2	87.4

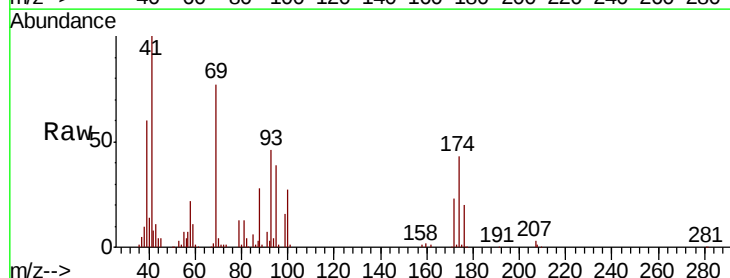


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

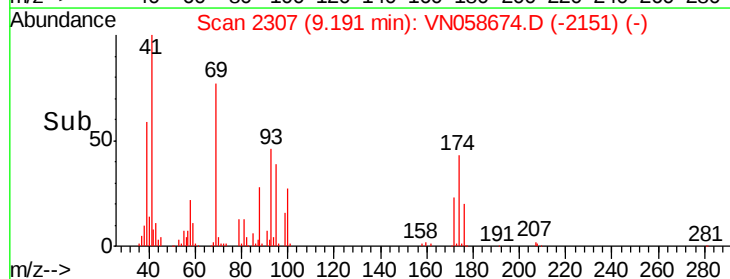
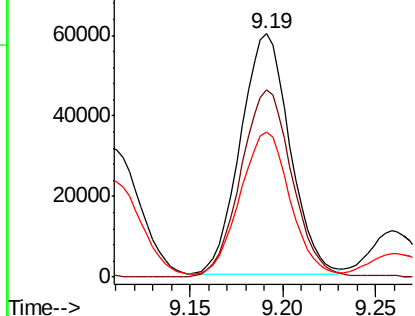


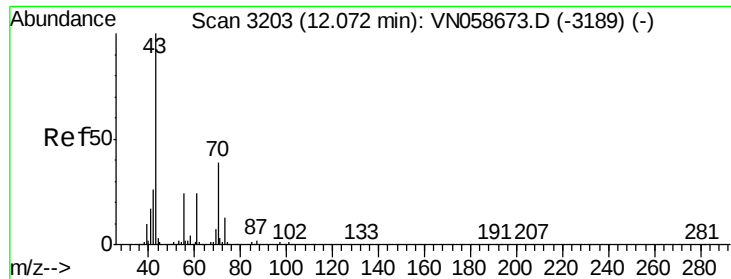
#46
 Methyl methacrylate
 Concen: 20.021 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058674.D
 Acq: 10 Oct 2019 18:56

Tgt Ion	41	Resp	110926
Ion Ratio	Lower	Upper	
41	100		
69	78.0	40.2	120.5
39	59.2	29.9	89.8



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





#47

n-amvl Acetate

Concen: 19.542 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

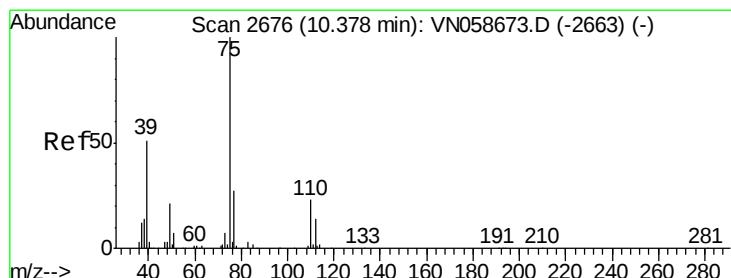
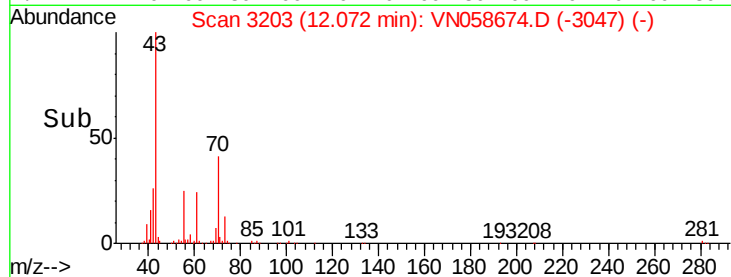
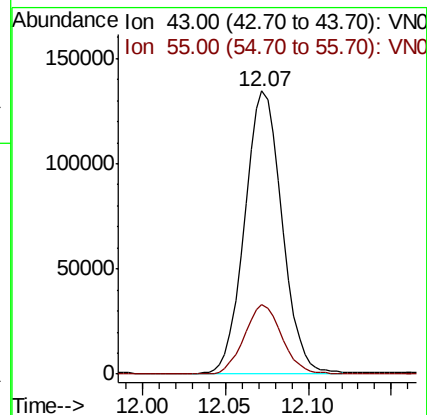
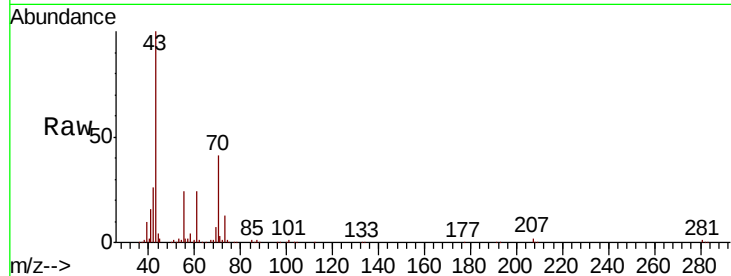
ICVFN101119

Tot Ion: 43 Resp: 209065

Ion Ratio Lower Upper

43 100

55 25.0 19.6 29.4



#48

t-1,3-Dichloropropene

Concen: 19.868 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058674.D

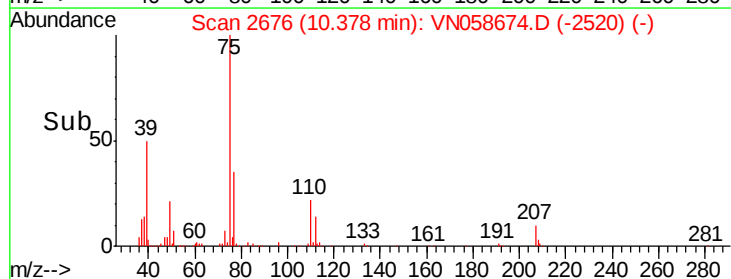
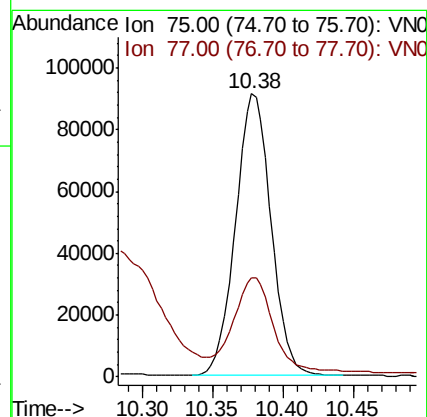
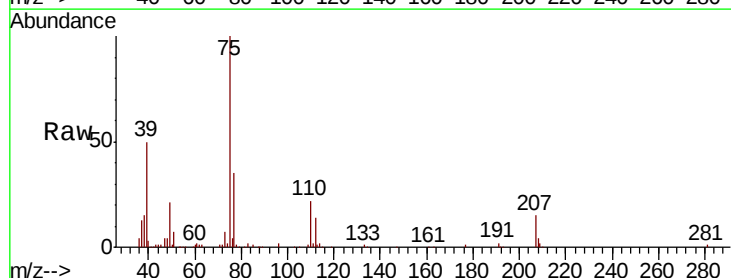
Acq: 10 Oct 2019 18:56

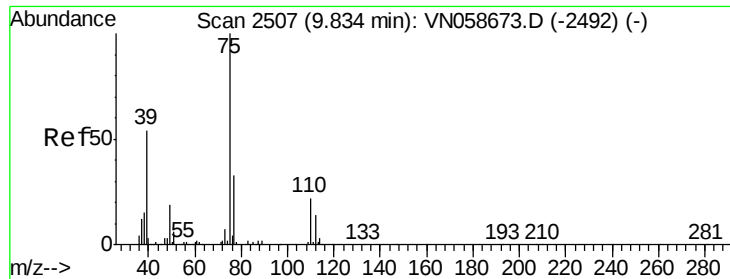
Tgt Ion: 75 Resp: 160598

Ion Ratio Lower Upper

75 100

77 33.0 27.0 40.4



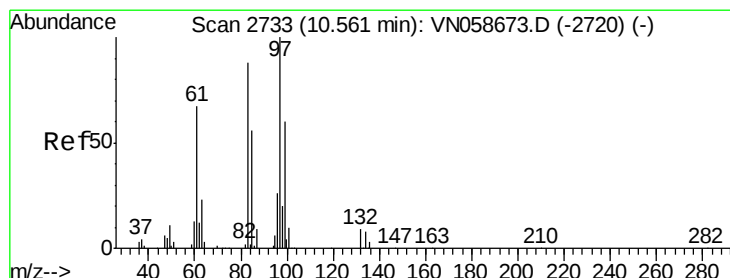
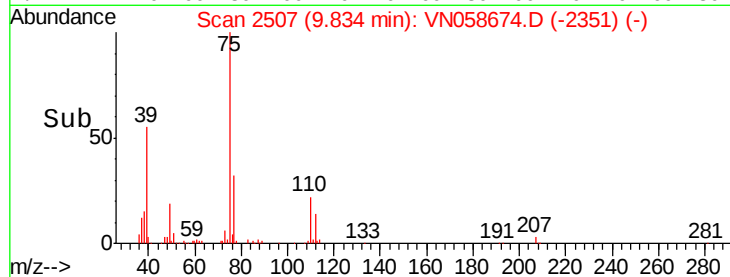
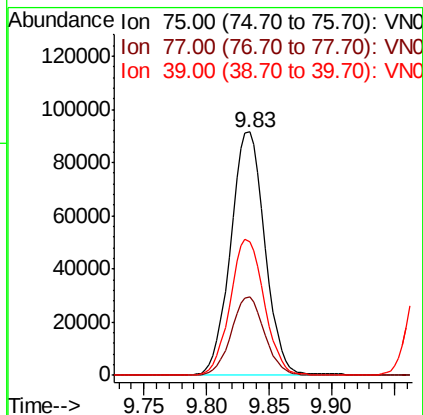
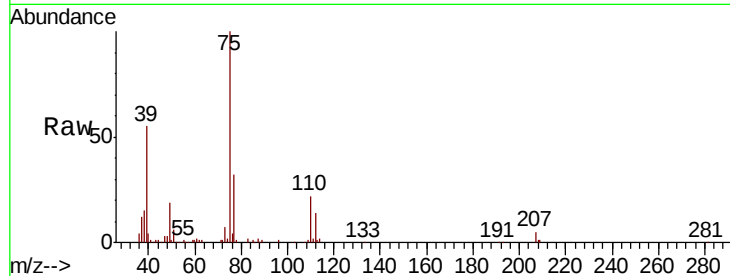


#49

cis-1,3-Dichloropropene
Concen: 20.452 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. -0.00 min
Lab File: VN058674.D
Acq: 10 Oct 2019 18:56

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101119

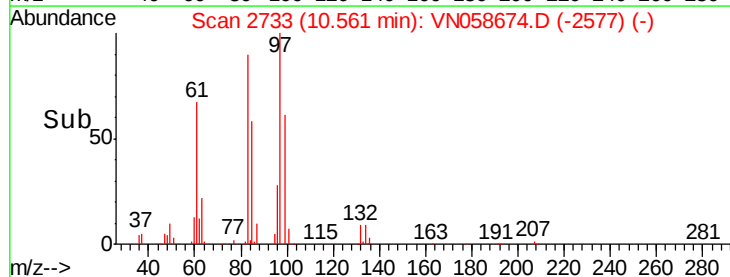
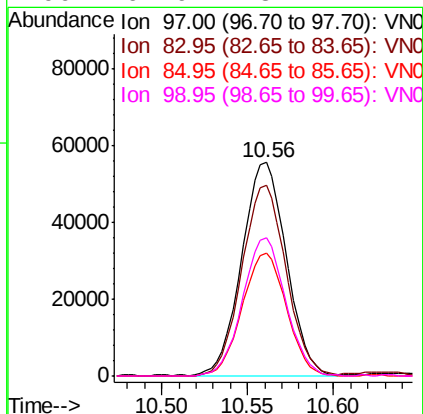
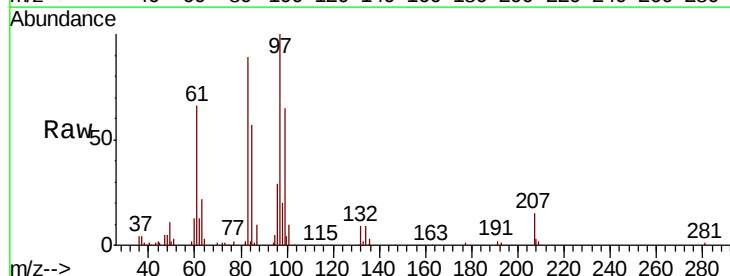
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.1	39.1
39	54.8	43.1	64.7

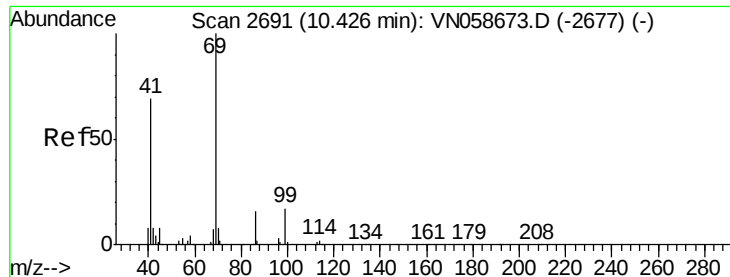


#50

1,1,2-Trichloroethane
Concen: 20.641 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN058674.D
Acq: 10 Oct 2019 18:56

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.3	70.7	106.1
85	57.5	45.1	67.7
99	64.9	48.2	72.4





#51

Ethyl methacrylate

Concen: 20.111 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

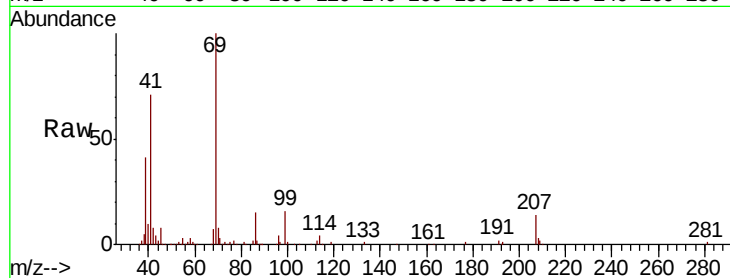
MSVOA_N

ClientSampleId :

ICVFN101119

Tot Ion: 69 Resp: 156627

Ion	Ratio	Lower	Upper
69	100		
41	70.4	34.7	104.1
39	40.7	20.3	60.8

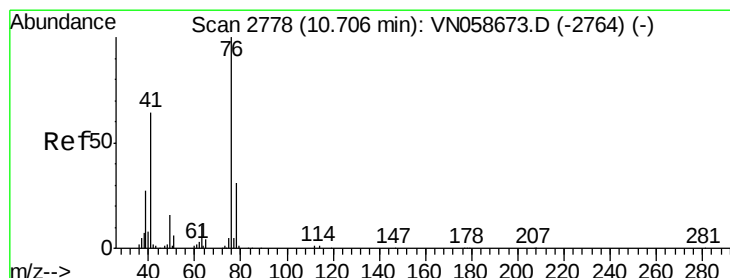
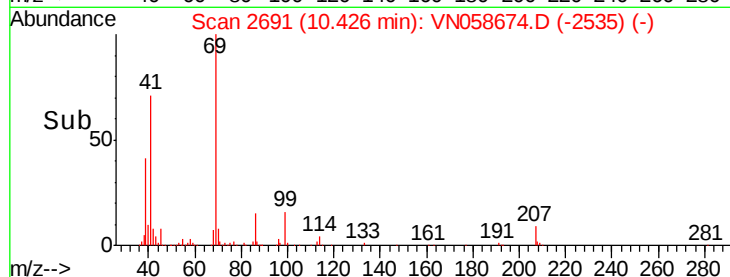
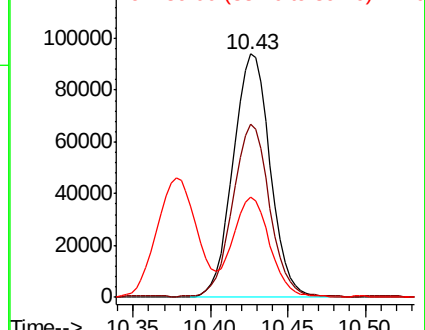


Abundance

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



#52

1,3-Dichloropropane

Concen: 20.386 ug/l

RT: 10.71 min Scan# 2778

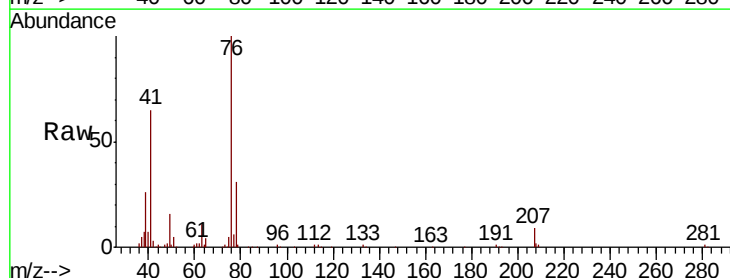
Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Tgt Ion: 76 Resp: 176819

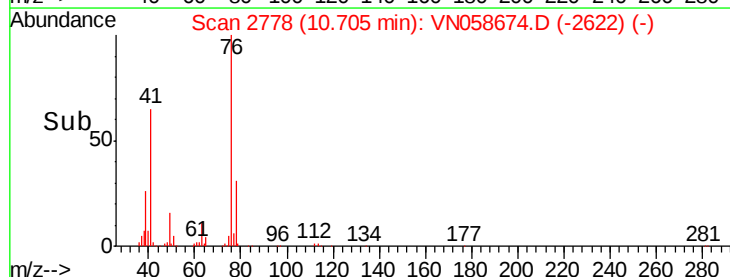
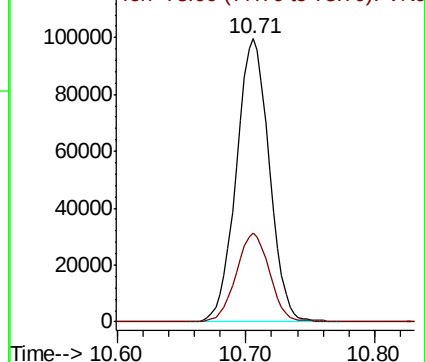
Ion	Ratio	Lower	Upper
76	100		
78	31.8	0.0	63.2

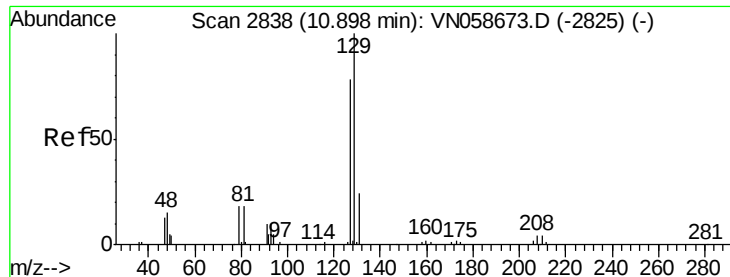


Abundance

Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 20.059 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

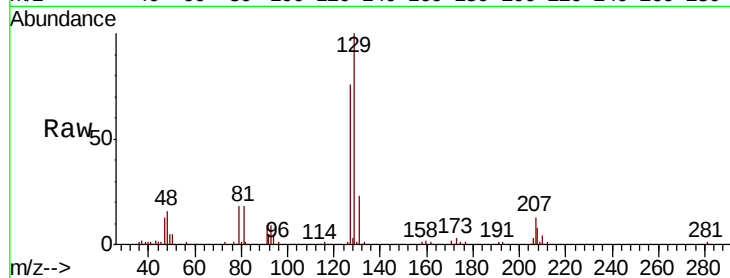
ICVVN101119

Tot Ion:129 Resp: 104845

Ion Ratio Lower Upper

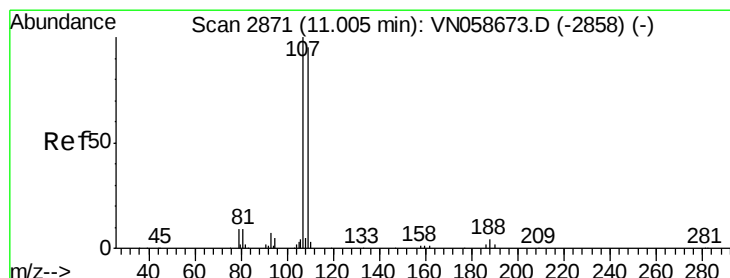
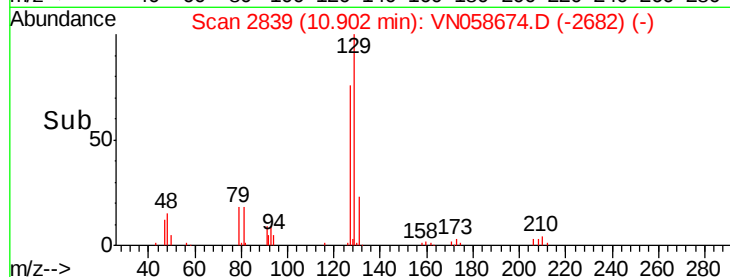
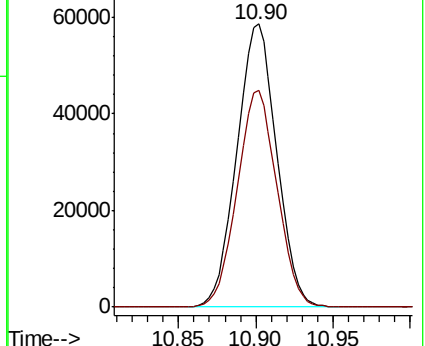
129 100

127 76.5 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.120 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058674.D

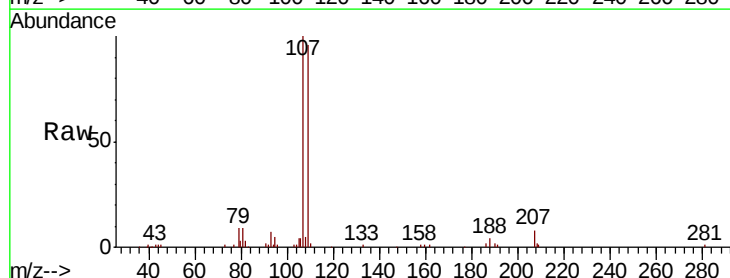
Acq: 10 Oct 2019 18:56

Tgt Ion:107 Resp: 101574

Ion Ratio Lower Upper

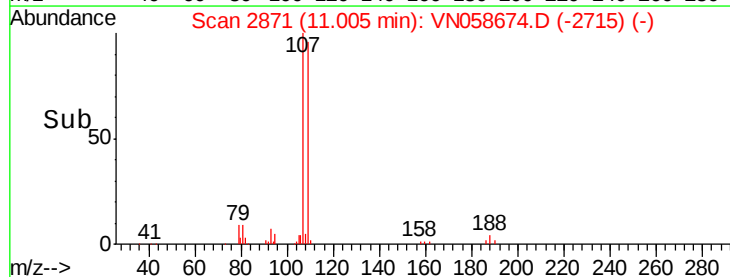
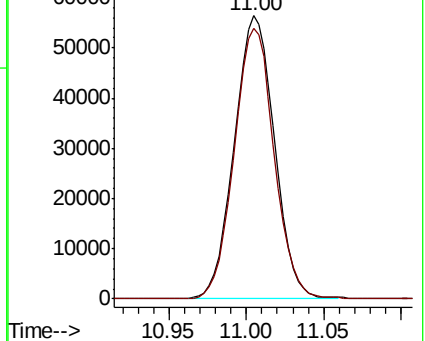
107 100

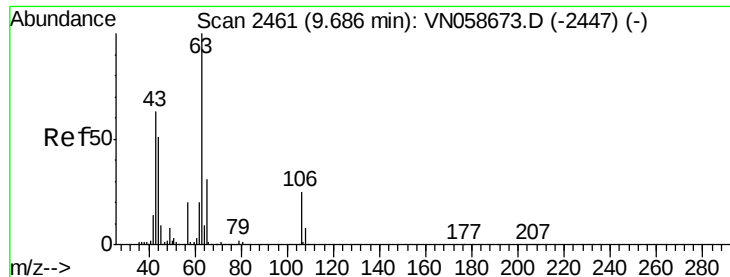
109 94.9 76.2 114.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 102.844 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101119

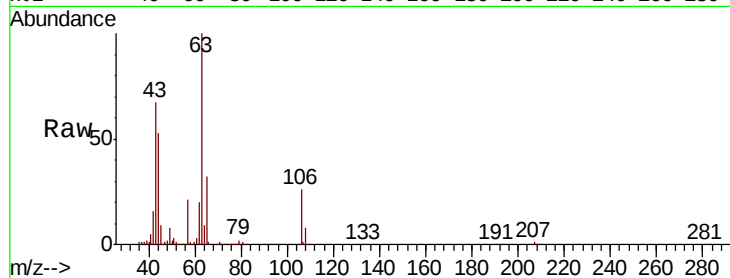
Tot Ion: 63 Resp: 398413

Ion Ratio Lower Upper

63 100

65 31.9 25.3 37.9

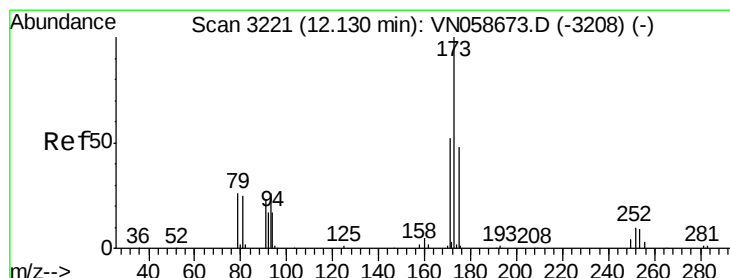
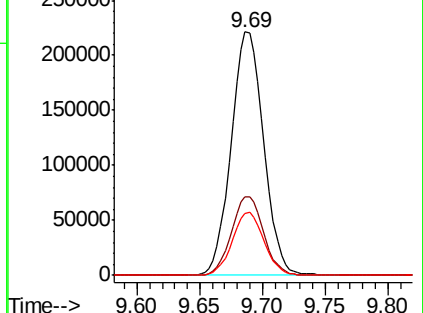
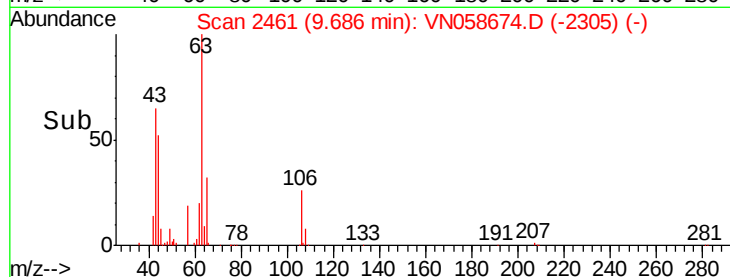
106 25.5 19.8 29.6



Abundance Ion 63.00 (62.70 to 63.70): VN058674.D (-2447) (-)

Ion 65.00 (64.70 to 65.70): VN058674.D (-2447) (-)

Ion 106.00 (105.70 to 106.70): VN058674.D (-2447) (-)



#56

Bromoform

Concen: 19.604 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

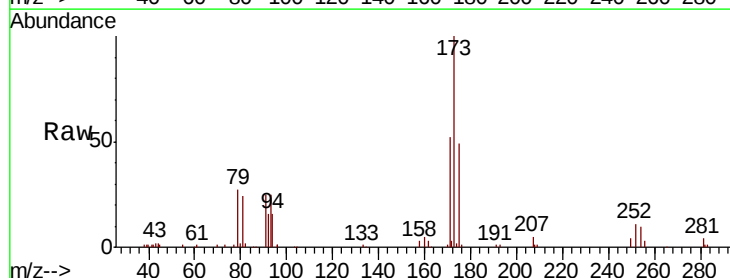
Tgt Ion: 173 Resp: 71382

Ion Ratio Lower Upper

173 100

175 48.5 38.7 58.1

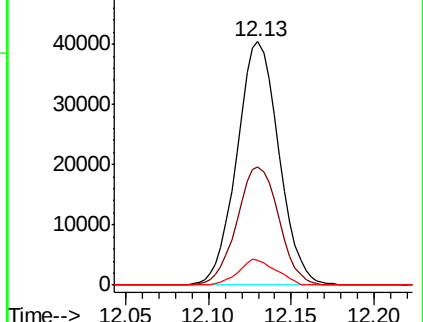
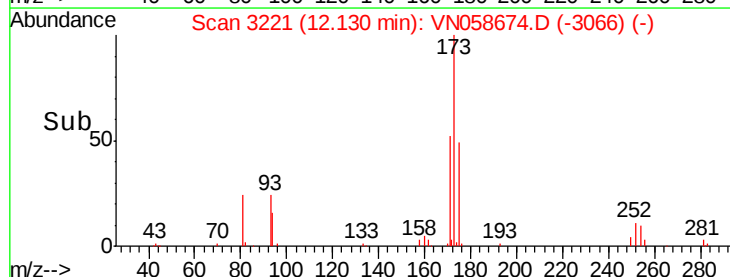
254 9.5 7.4 11.2

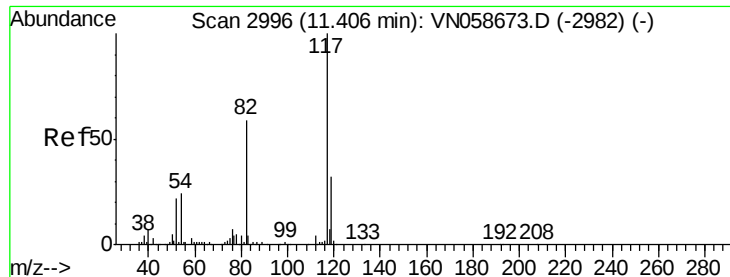


Abundance Ion 173.00 (172.70 to 173.70): VN058674.D (-3208) (-)

Ion 175.00 (174.70 to 175.70): VN058674.D (-3208) (-)

Ion 254.00 (253.70 to 254.70): VN058674.D (-3208) (-)

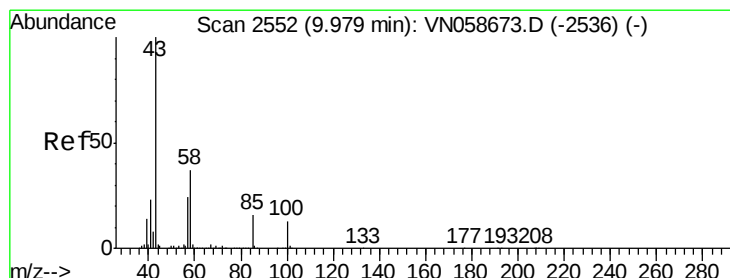
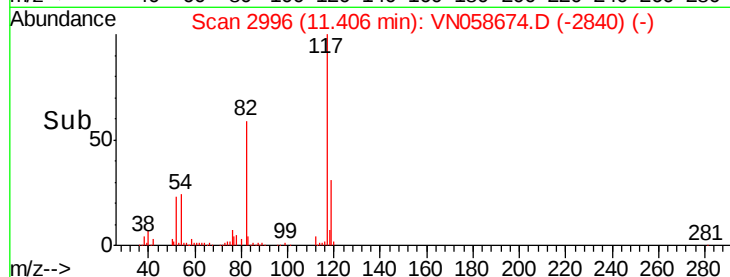
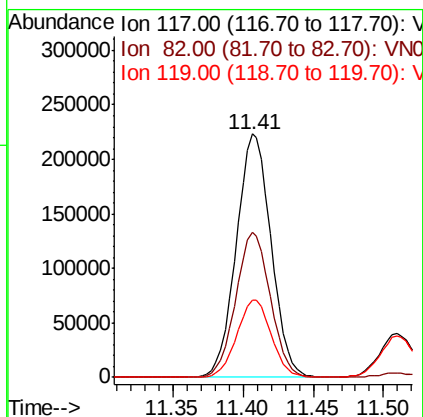
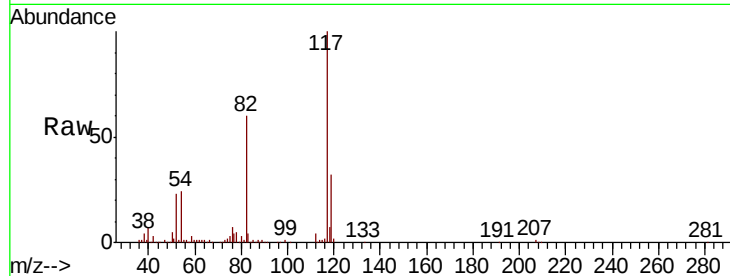




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058674.D
Acq: 10 Oct 2019 18:56

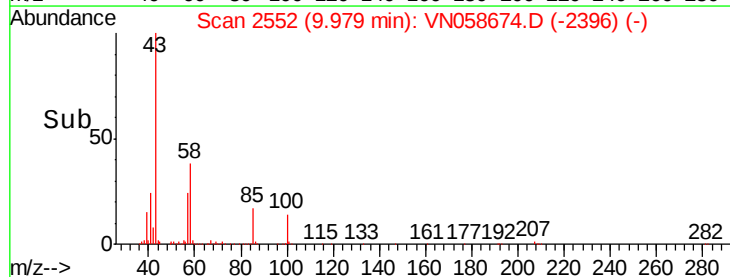
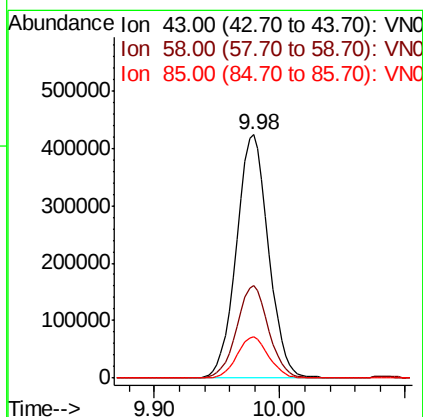
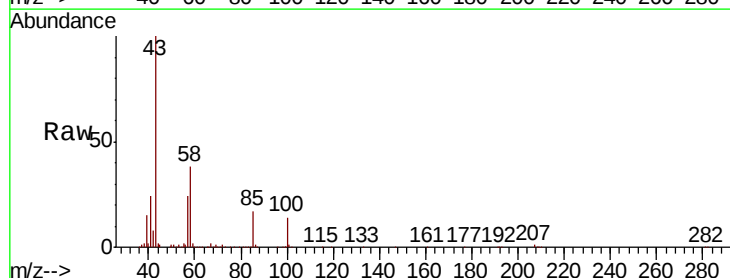
Instrument :
MSVOA_N
ClientSampleId :
ICVVN101119

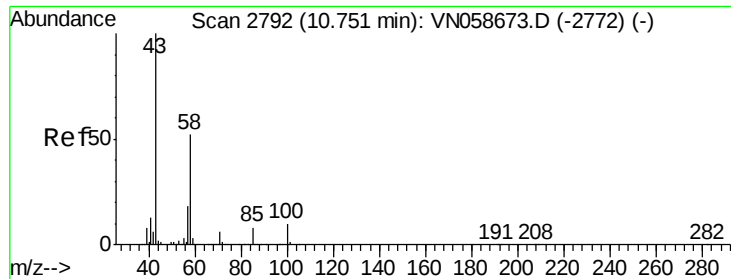
Tot Ion:117 Resp: 386352
Ion Ratio Lower Upper
117 100
82 59.3 46.9 70.3
119 31.5 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 106.354 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN058674.D
Acq: 10 Oct 2019 18:56

Tgt Ion: 43 Resp: 749595
Ion Ratio Lower Upper
43 100
58 37.9 30.1 45.1
85 16.9 13.2 19.8

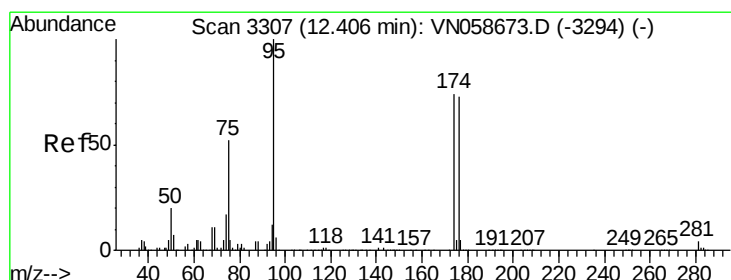
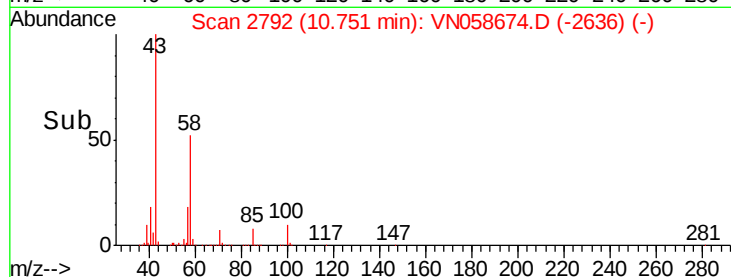
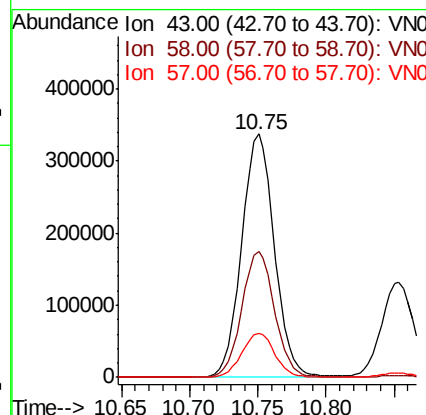
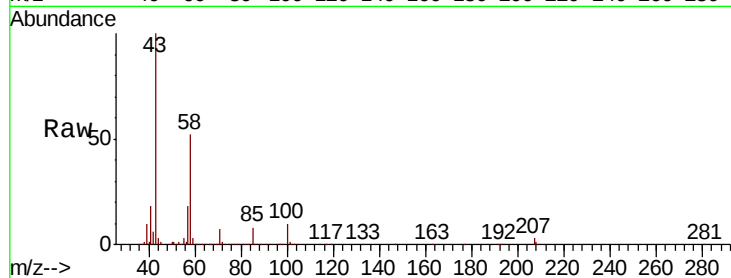




#59
2-Hexanone
Concen: 101.918 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058674.D
Acq: 10 Oct 2019 18:56

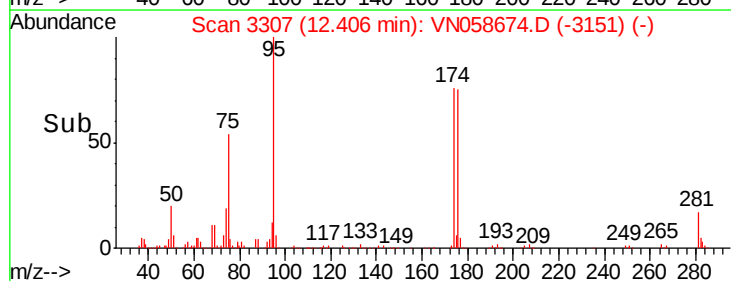
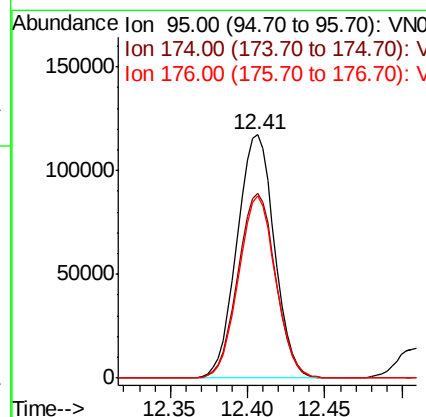
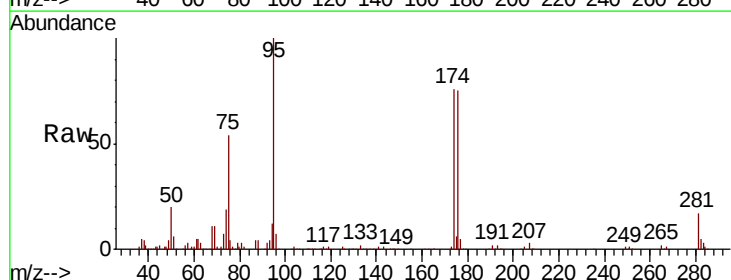
Instrument :
MSVOA_N
ClientSampleId :
ICVVN101119

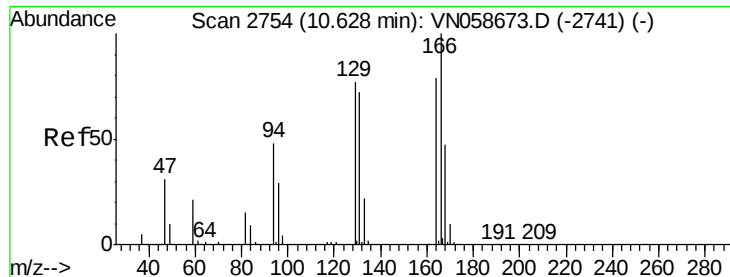
Tot Ion: 43 Resp: 563146
Ion Ratio Lower Upper
43 100
58 51.6 41.4 62.0
57 18.3 14.7 22.1



#60
4-Bromofluorobenzene
Concen: 29.168 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058674.D
Acq: 10 Oct 2019 18:56

Tgt Ion: 95 Resp: 197125
Ion Ratio Lower Upper
95 100
174 76.6 59.9 89.9
176 74.3 58.3 87.5





#61

Tetrachloroethene

Concen: 21.394 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

ICVFN101119

Tot Ion:164 Resp: 89318

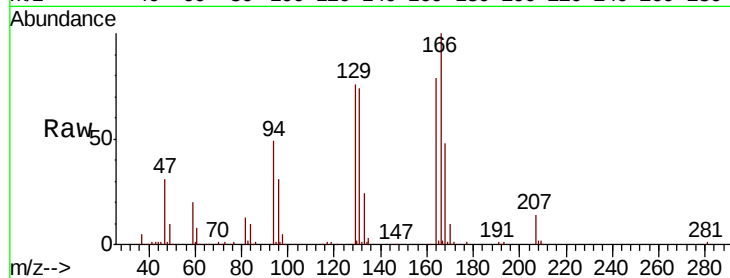
Ion Ratio Lower Upper

164 100

166 126.4 101.4 152.2

129 95.5 78.1 117.1

131 93.5 73.2 109.8



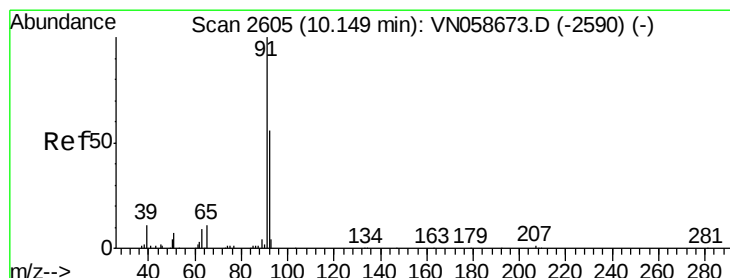
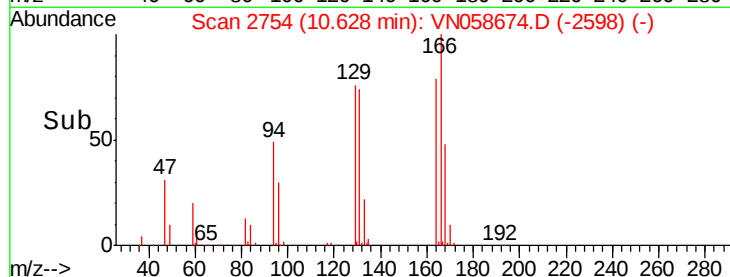
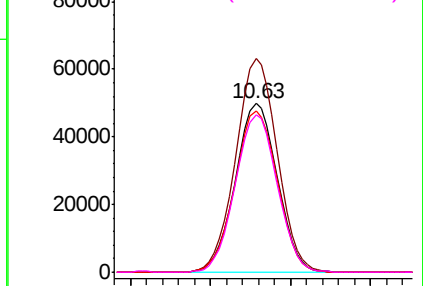
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.907 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058674.D

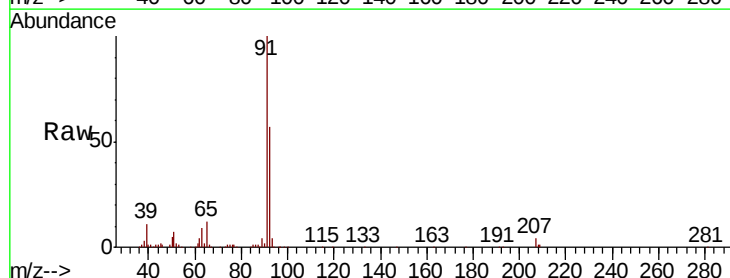
Acq: 10 Oct 2019 18:56

Tgt Ion: 91 Resp: 434494

Ion Ratio Lower Upper

91 100

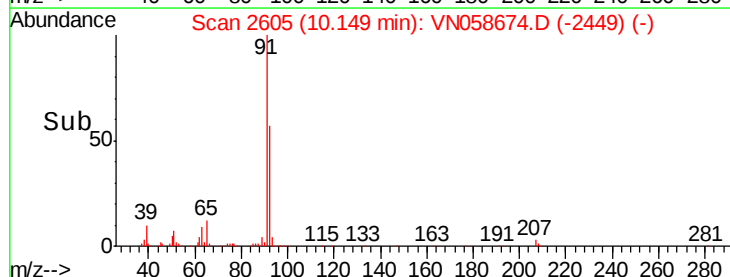
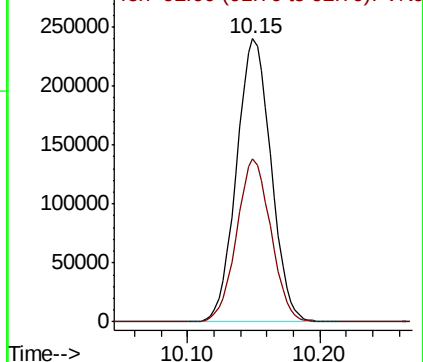
92 57.2 45.4 68.2

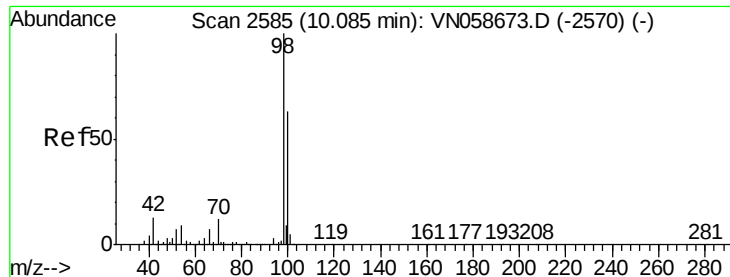


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.317 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

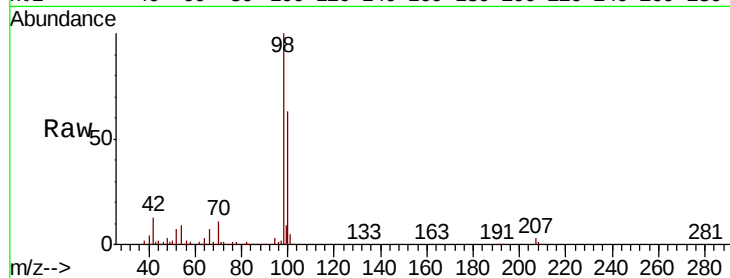
ICVVN101119

Tot Ion: 98 Resp: 553049

Ion Ratio Lower Upper

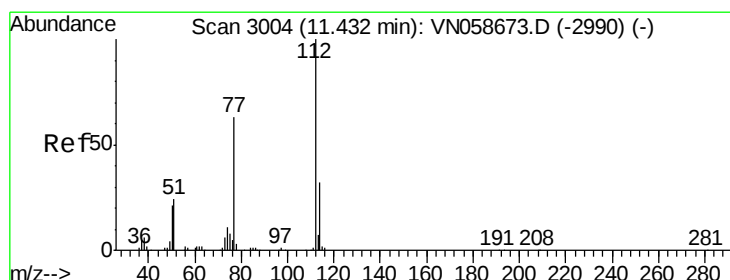
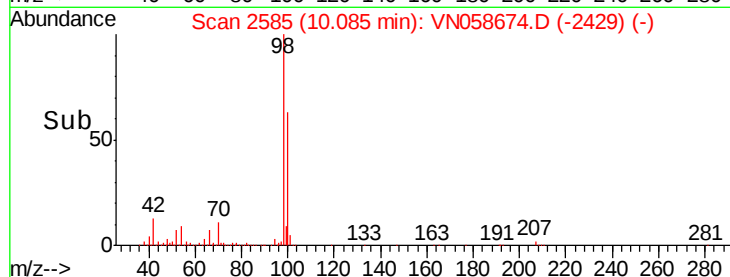
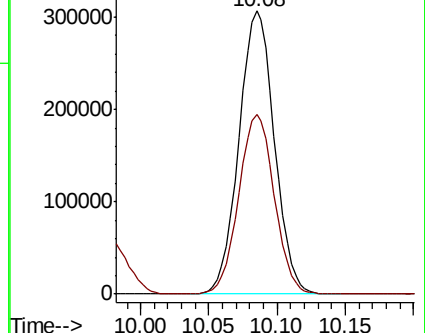
98 100

100 63.7 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN058673.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN058673.D (-2570) (-)



#64

Chlorobenzene

Concen: 20.851 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058674.D

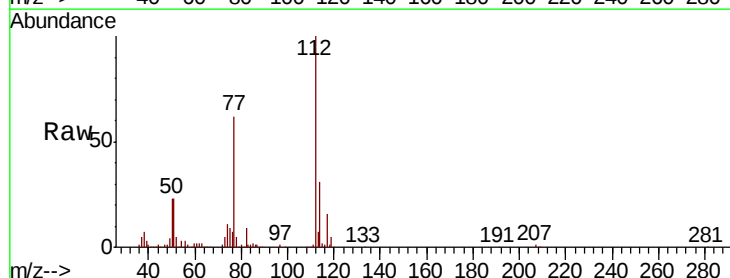
Acq: 10 Oct 2019 18:56

Tgt Ion: 112 Resp: 264926

Ion Ratio Lower Upper

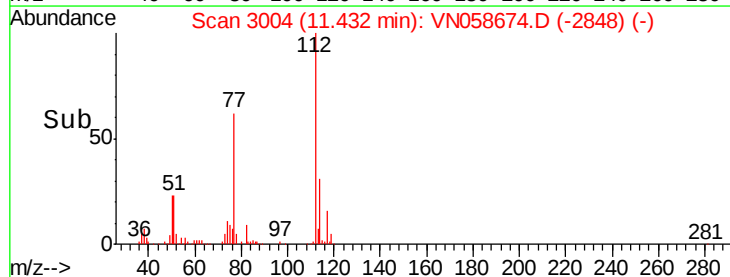
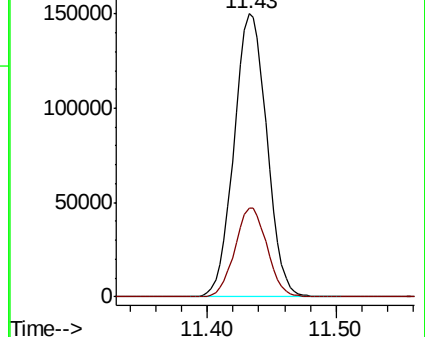
112 100

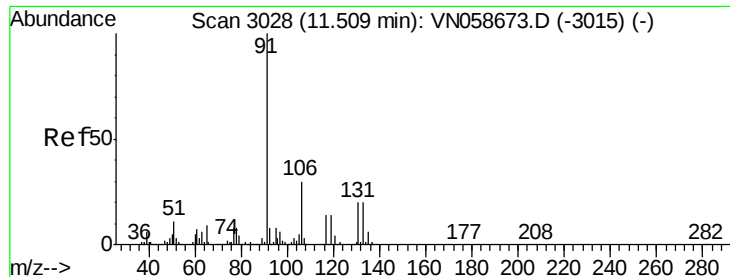
114 31.4 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): VN058673.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN058673.D (-2990) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 20.889 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101119

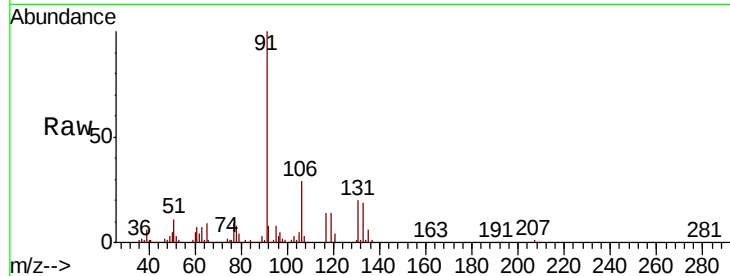
Tot Ion:131 Resp: 99520

Ion Ratio Lower Upper

131 100

133 94.6 0.0 194.0

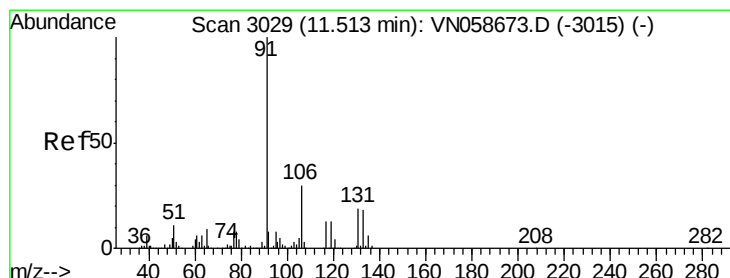
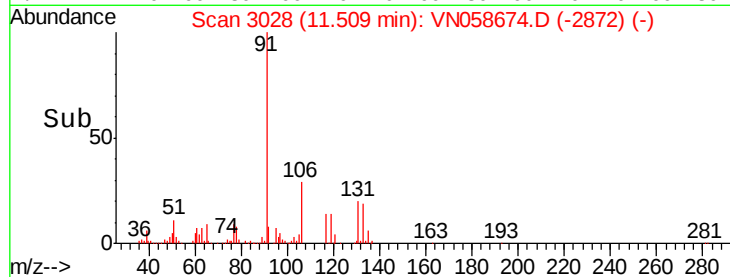
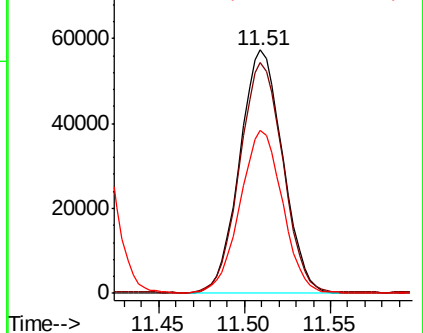
119 66.0 0.0 136.8



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.999 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058674.D

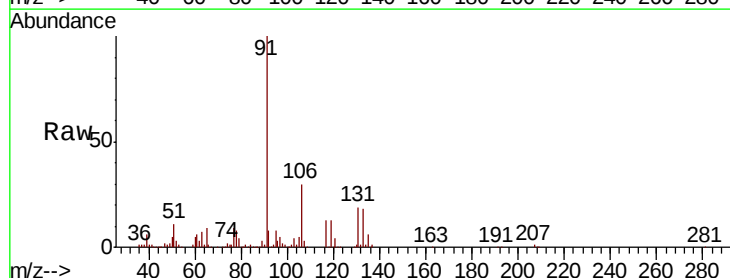
Acq: 10 Oct 2019 18:56

Tgt Ion: 91 Resp: 483238

Ion Ratio Lower Upper

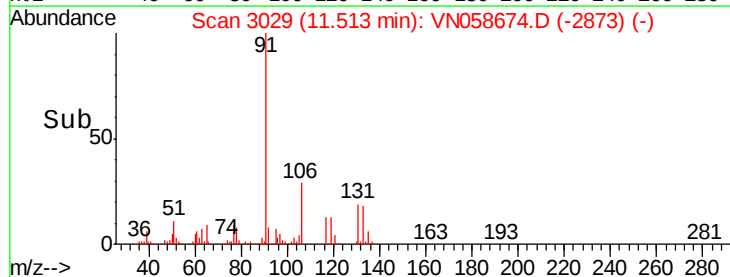
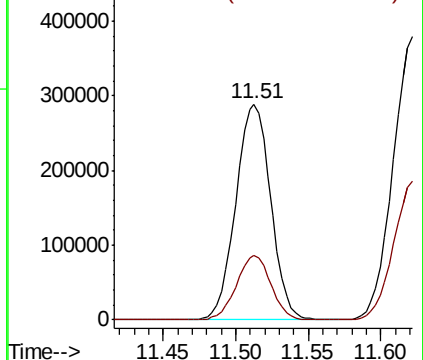
91 100

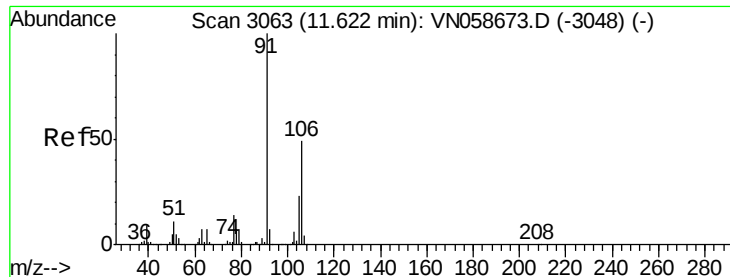
106 30.0 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

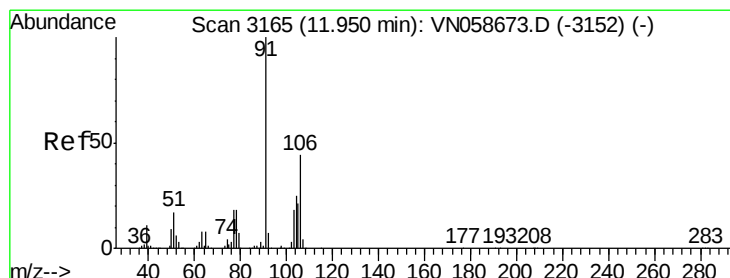
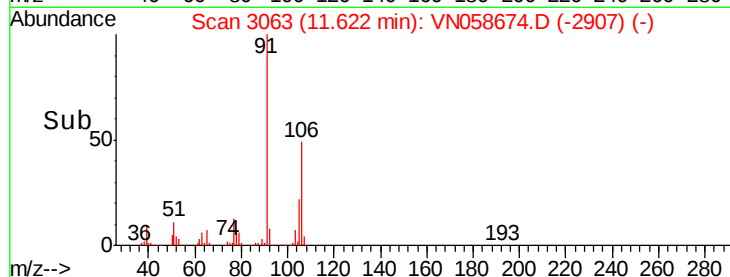
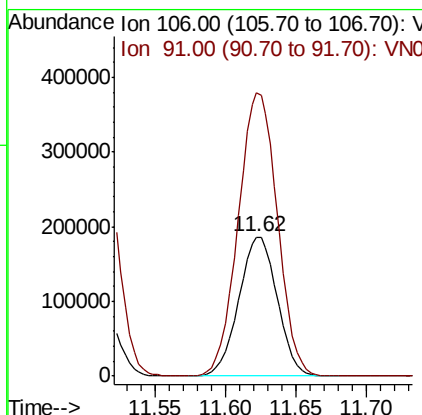
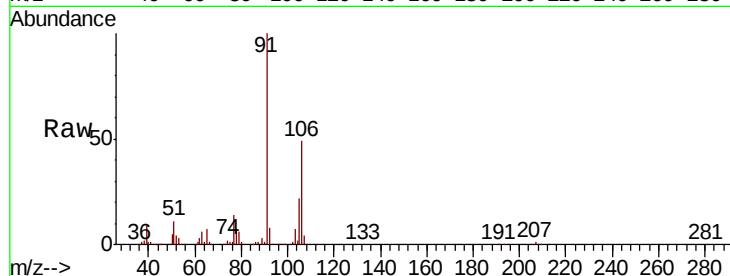




#67
m/p-Xylenes
Concen: 41.356 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058674.D
Acq: 10 Oct 2019 18:56

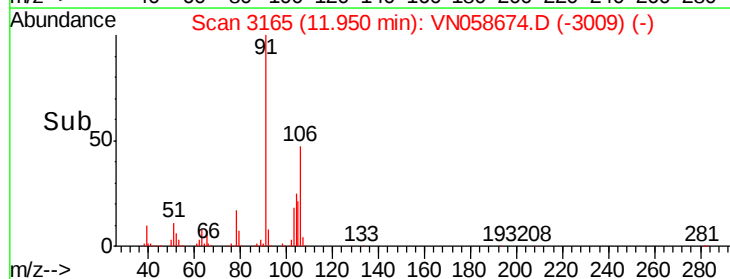
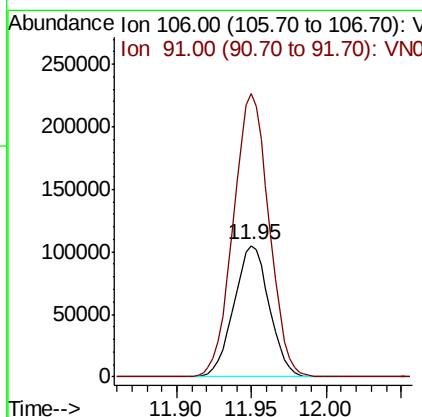
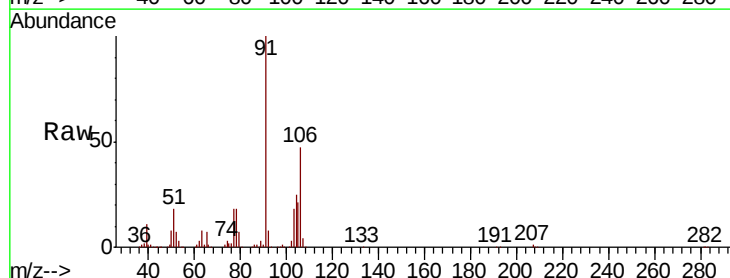
Instrument :
MSVOA_N
ClientSampleId :
ICVVN101119

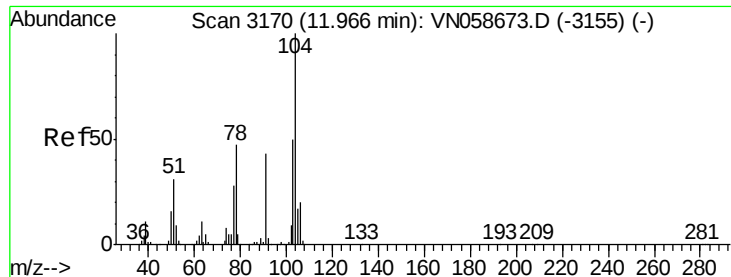
Tot Ion:106 Resp: 355549
Ion Ratio Lower Upper
106 100
91 207.1 165.6 248.4



#68
o-Xylene
Concen: 20.726 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058674.D
Acq: 10 Oct 2019 18:56

Tgt Ion:106 Resp: 172744
Ion Ratio Lower Upper
106 100
91 218.0 109.8 329.4

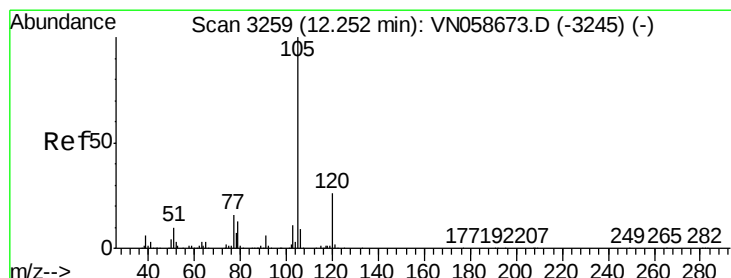
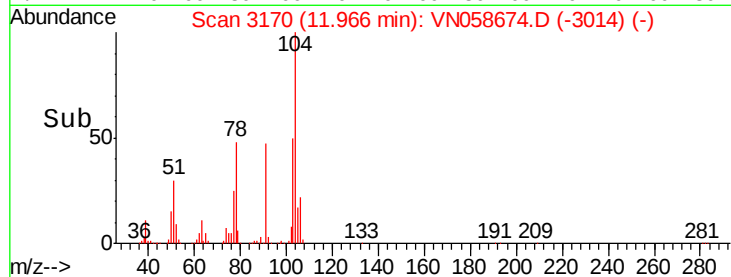
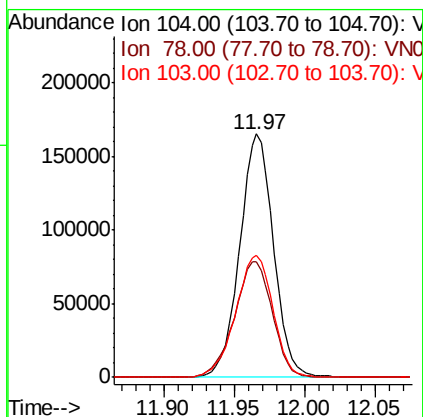
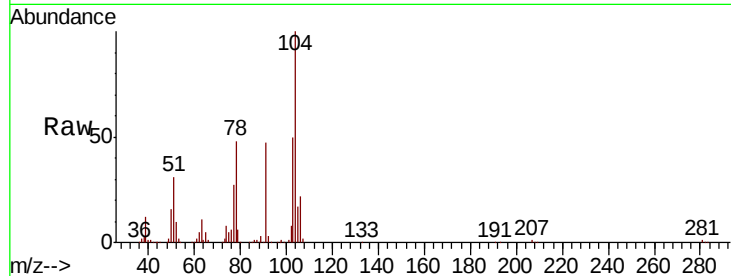




#69
Stvrene
Concen: 20.143 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058674.D
Acq: 10 Oct 2019 18:56

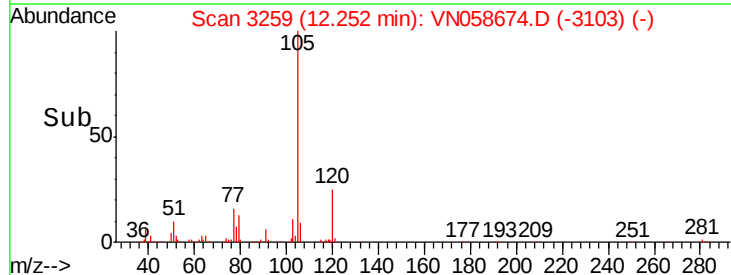
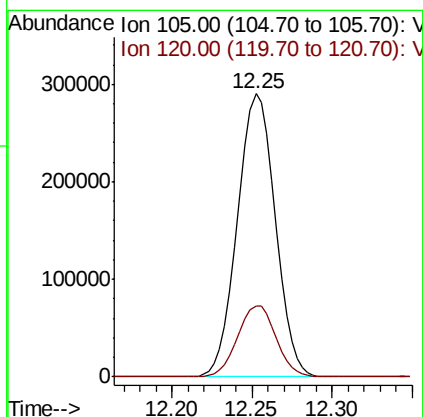
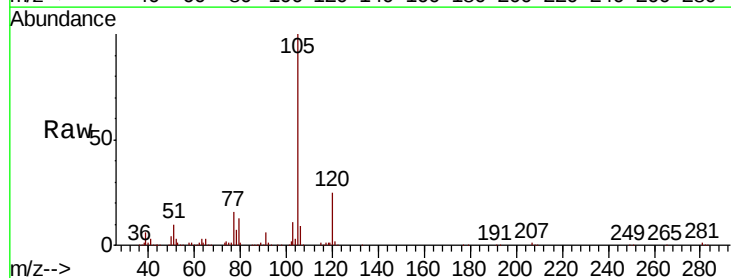
Instrument :
MSVOA_N
ClientSampleId :
ICVVN101119

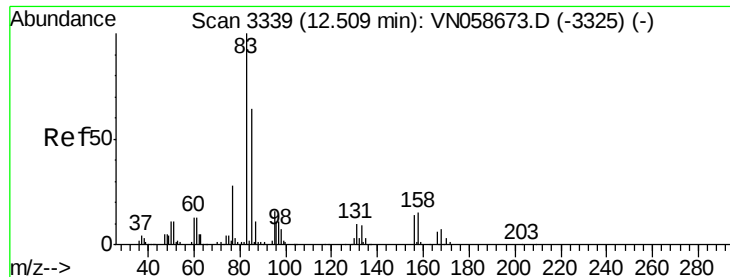
Tot Ion	Ratio	Lower	Upper
104	100		
78	53.2	42.4	63.6
103	55.6	44.6	66.8



#70
Isopropylbenzene
Concen: 20.803 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058674.D
Acq: 10 Oct 2019 18:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.5	18.4	34.2

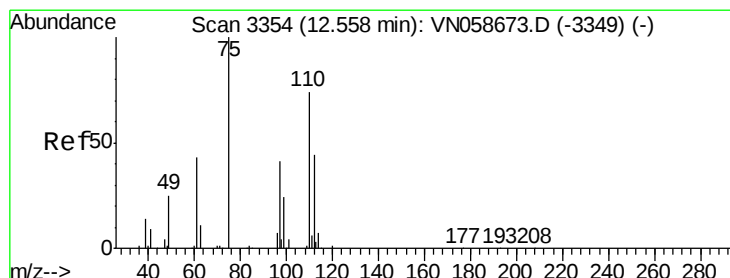
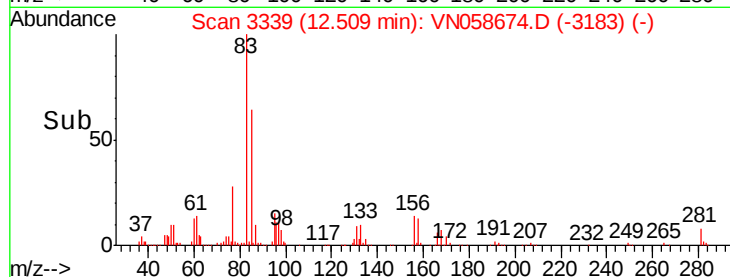
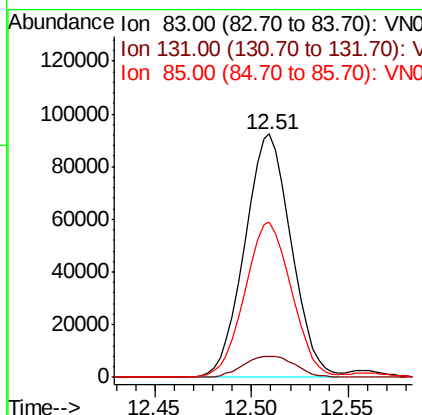
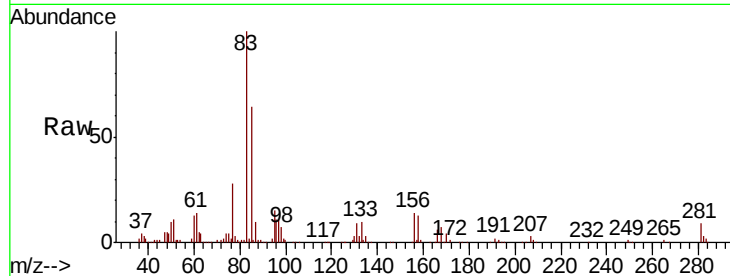




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.406 ug/l
 RT: 12.51 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN058674.D
 Acq: 10 Oct 2019 18:56

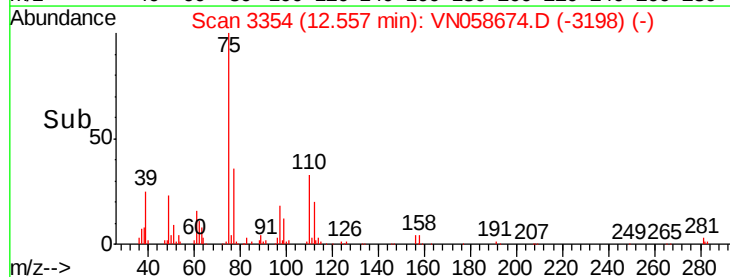
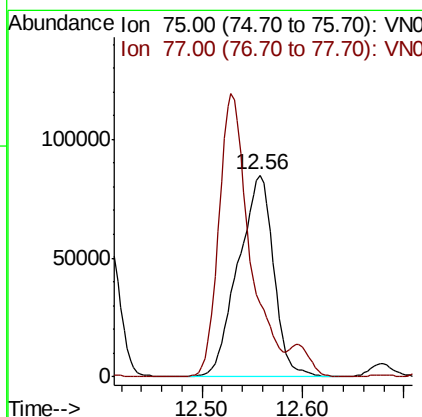
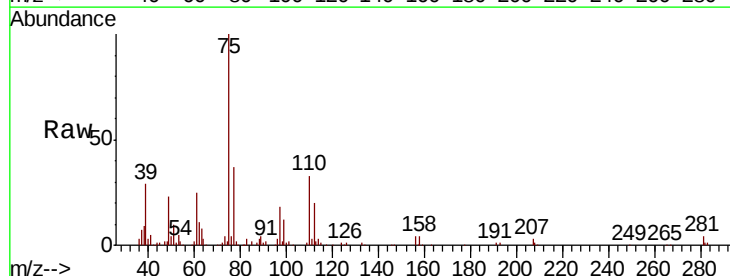
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101119

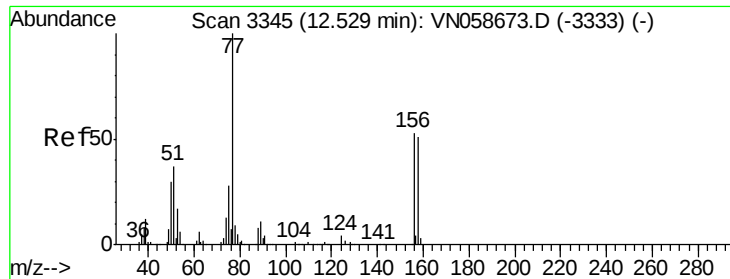
Tot Ion	83	Resp	154586
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.7
85	64.1	31.6	94.7



#72
 1,2,3-Trichloropropane
 Concen: 29.959 ug/l
 RT: 12.56 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN058674.D
 Acq: 10 Oct 2019 18:56

Tgt Ion	75	Resp	205647
Ion Ratio	Lower	Upper	
75	100		
77	124.5	0.0	359.4





#73

Bromobenzene

Concen: 20.391 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

ICVNN101119

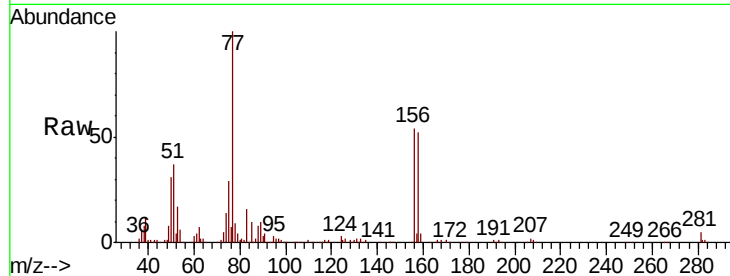
Tot Ion:156 Resp: 111450

Ion Ratio Lower Upper

156 100

77 229.7 0.0 456.0

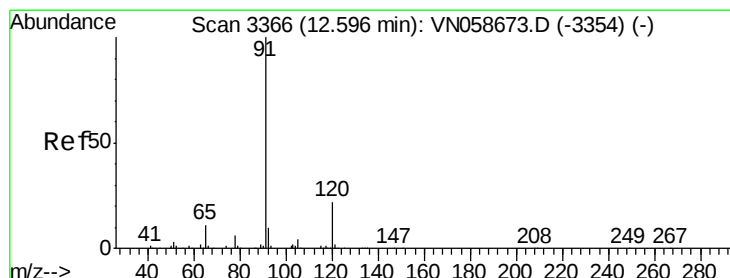
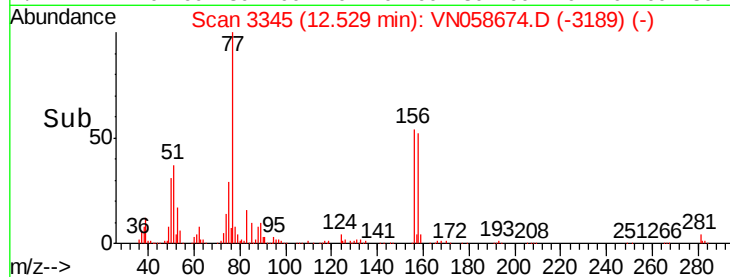
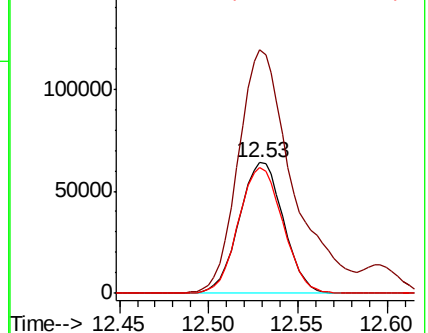
158 96.7 0.0 195.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 21.029 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058674.D

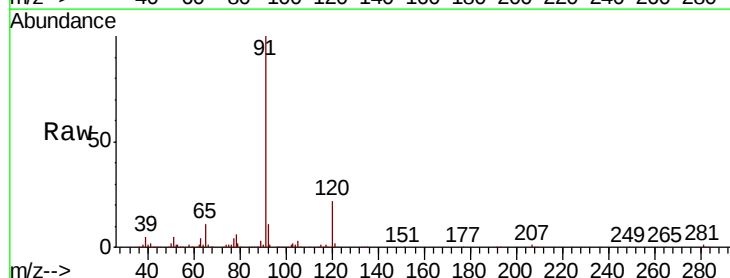
Acq: 10 Oct 2019 18:56

Tgt Ion: 91 Resp: 553871

Ion Ratio Lower Upper

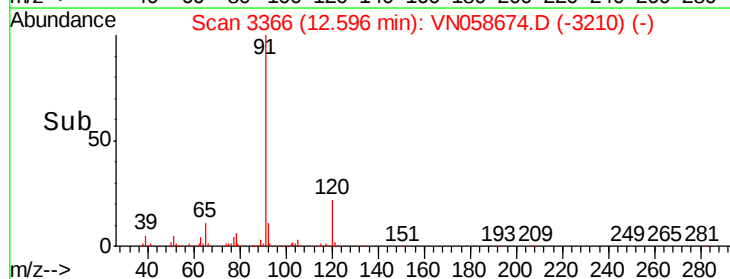
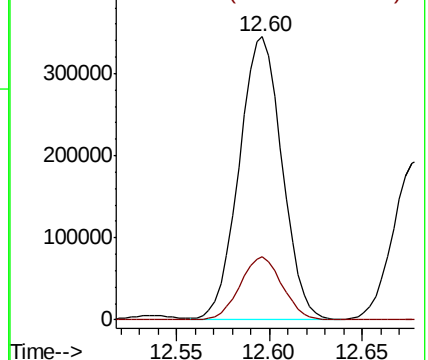
91 100

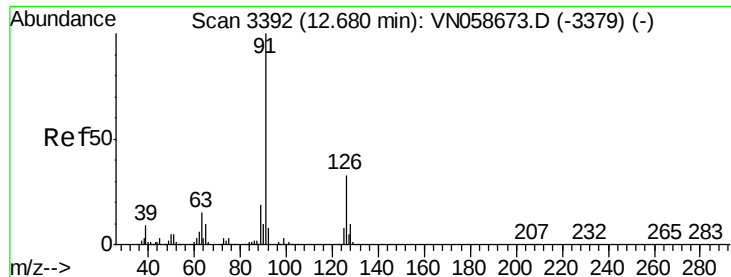
120 21.9 0.0 43.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.670 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

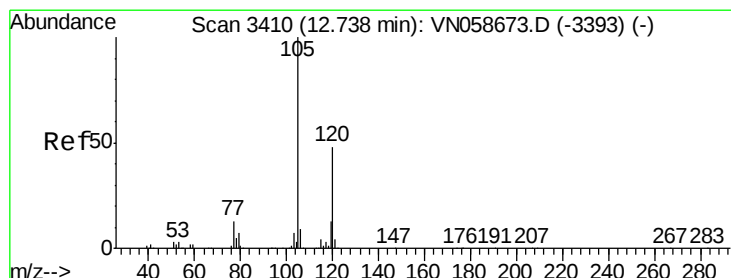
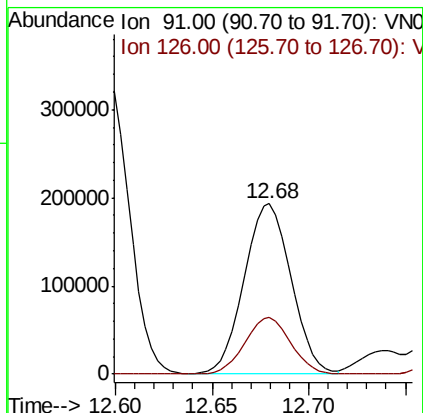
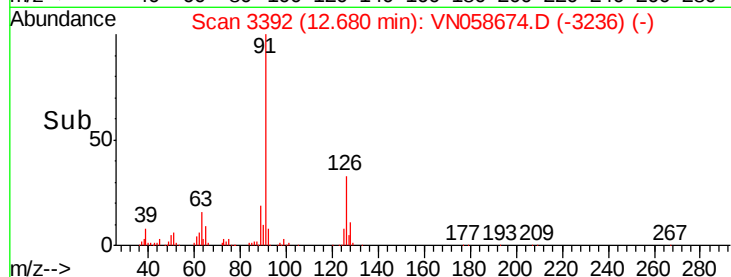
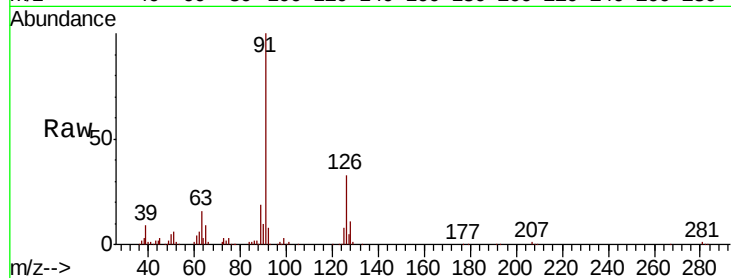
ICVFN101119

Tot Ion: 91 Resp: 327562

Ion Ratio Lower Upper

91 100

126 32.5 0.0 65.4



#76

1,3,5-Trimethylbenzene

Concen: 20.629 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058674.D

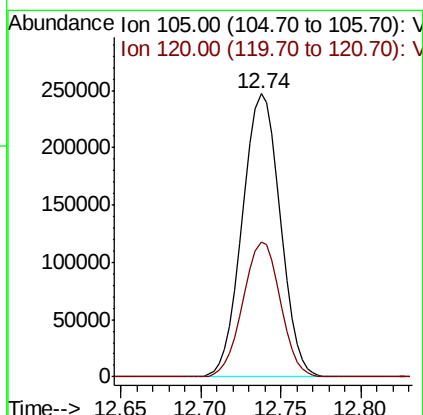
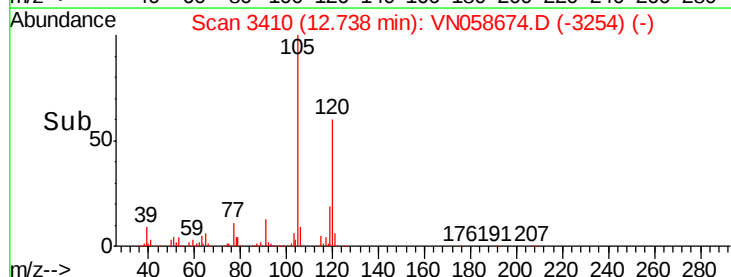
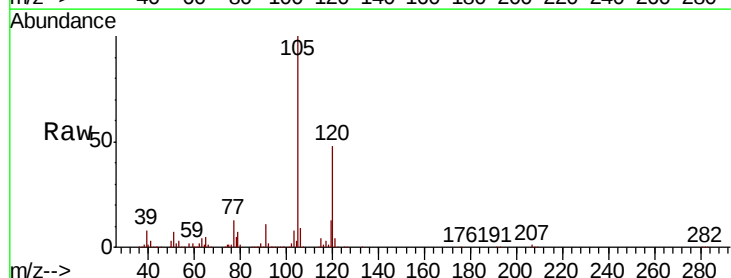
Acq: 10 Oct 2019 18:56

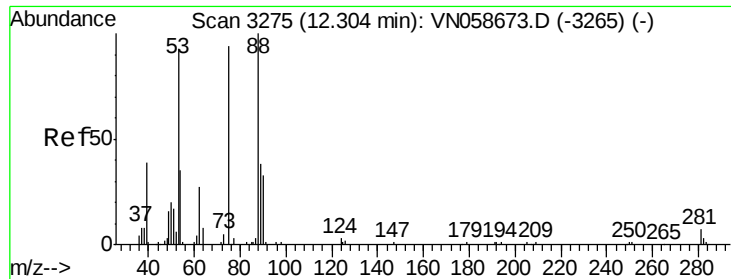
Tgt Ion: 105 Resp: 397583

Ion Ratio Lower Upper

105 100

120 47.4 0.0 94.0





#77

t-1,4-Dichloro-2-butene

Concen: 18.481 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

ICVFN101119

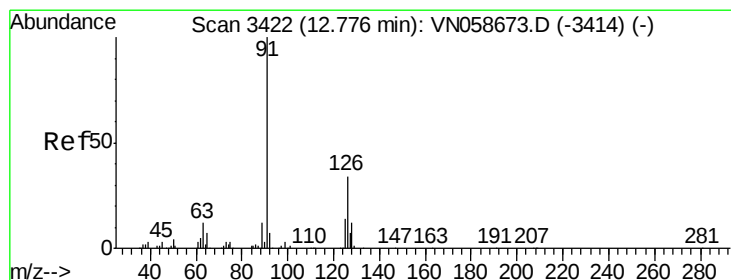
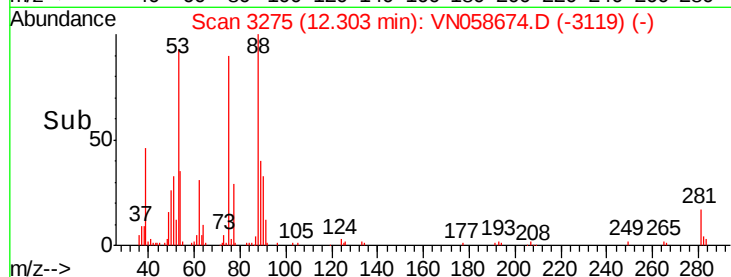
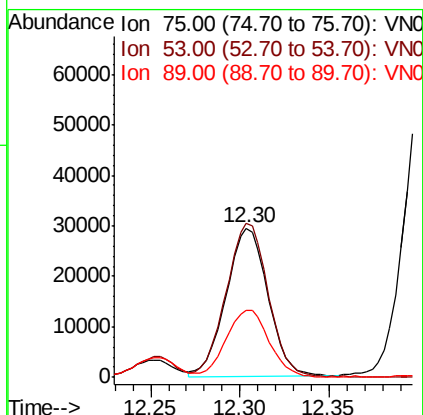
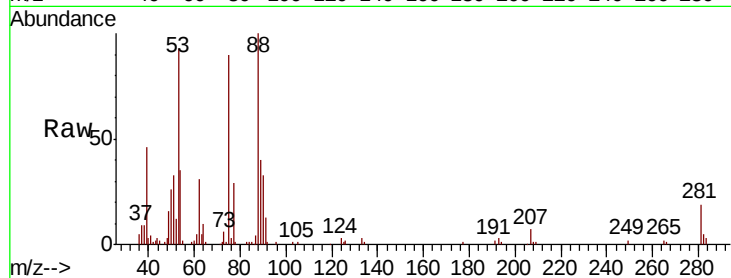
Tot Ion: 75 Resp: 48328

Ion Ratio Lower Upper

75 100

53 104.0 50.0 150.0

89 44.7 20.7 62.1



#78

4-Chlorotoluene

Concen: 20.458 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN058674.D

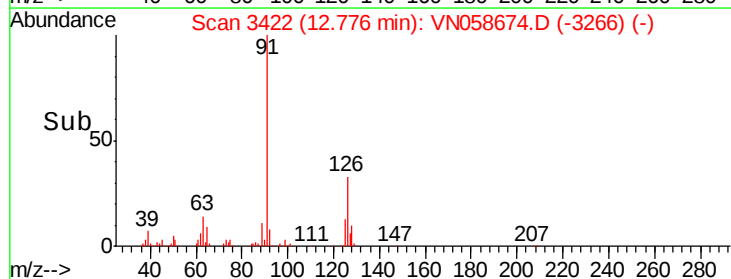
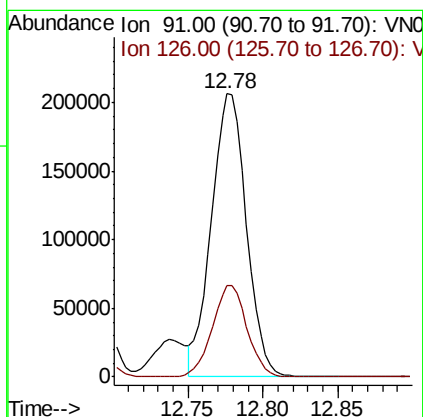
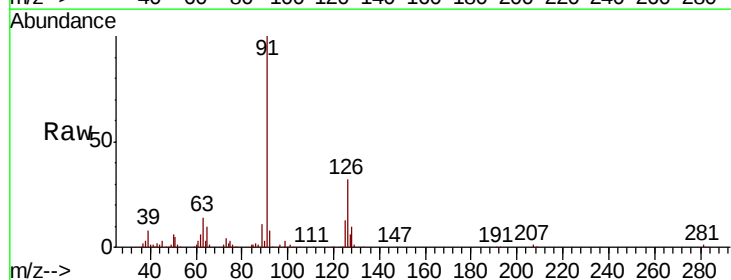
Acq: 10 Oct 2019 18:56

Tgt Ion: 91 Resp: 334132

Ion Ratio Lower Upper

91 100

126 32.0 0.0 63.4

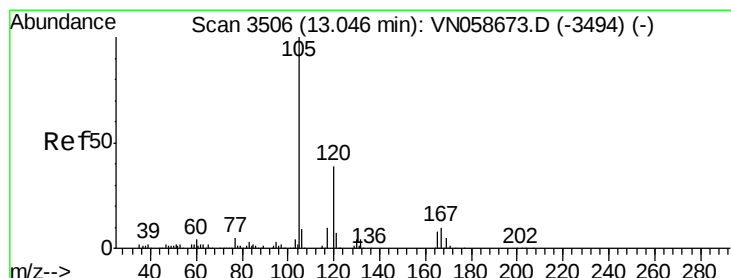
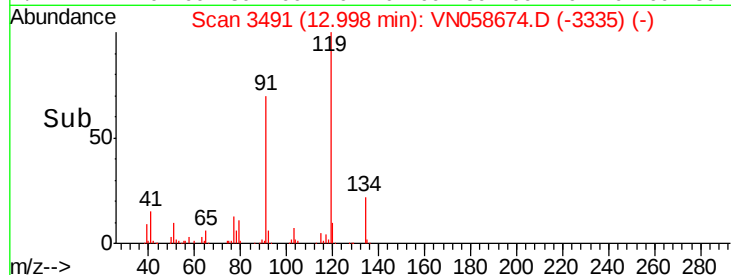
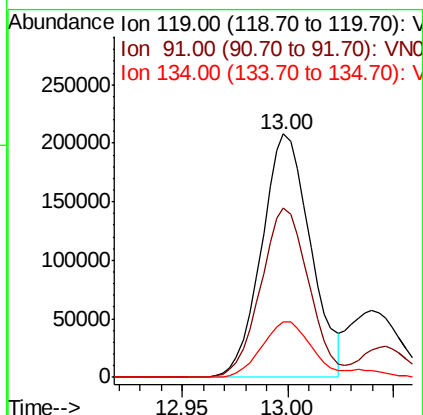
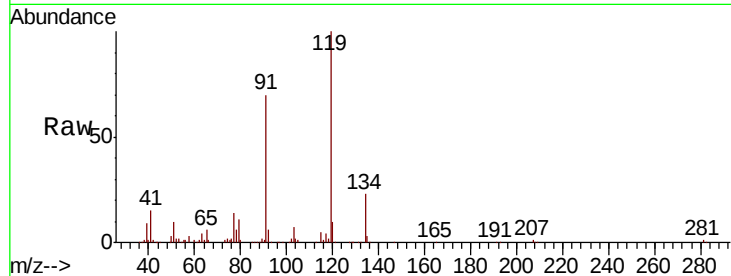




#79
tert-butylbenzene
Concen: 20.428 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058674.D
Acq: 10 Oct 2019 18:56

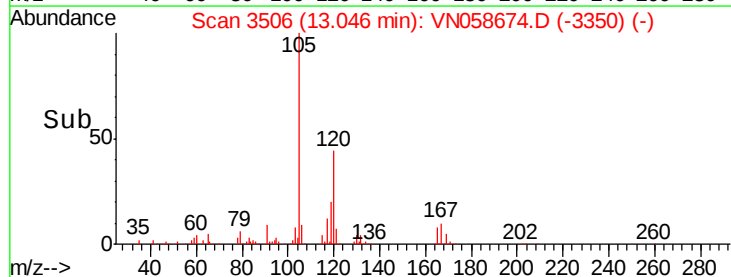
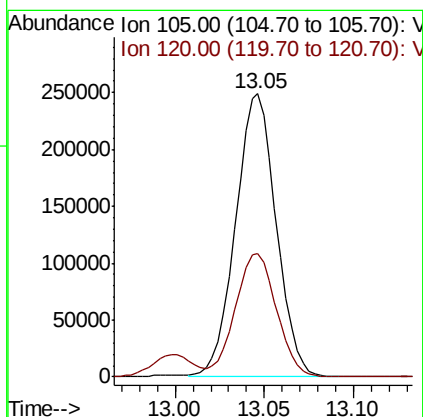
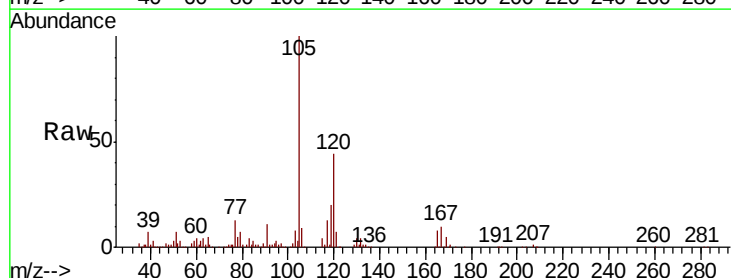
Instrument :
MSVOA_N
ClientSampleId :
ICVVN101119

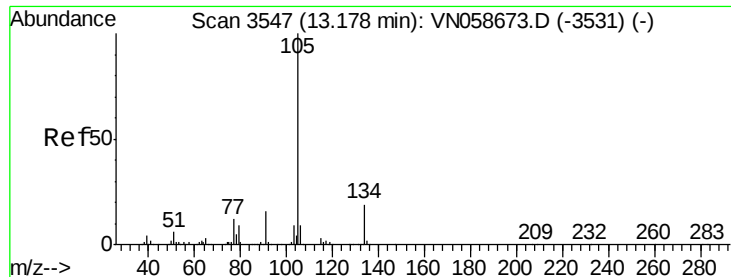
Tot Ion:119 Resp: 336364
Ion Ratio Lower Upper
119 100
91 68.3 0.0 136.4
134 23.3 0.0 47.2



#80
1,2,4-Trimethylbenzene
Concen: 20.603 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058674.D
Acq: 10 Oct 2019 18:56

Tgt Ion:105 Resp: 394574
Ion Ratio Lower Upper
105 100
120 44.4 0.0 89.2





#81

sec-Butylbenzene

Concen: 20.502 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

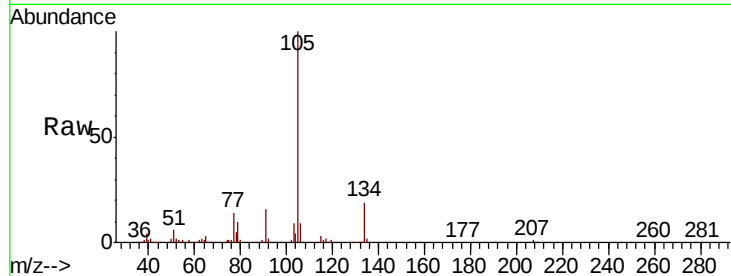
ICVFN101119

Tot Ion:105 Resp: 454316

Ion Ratio Lower Upper

105 100

134 19.5 0.0 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

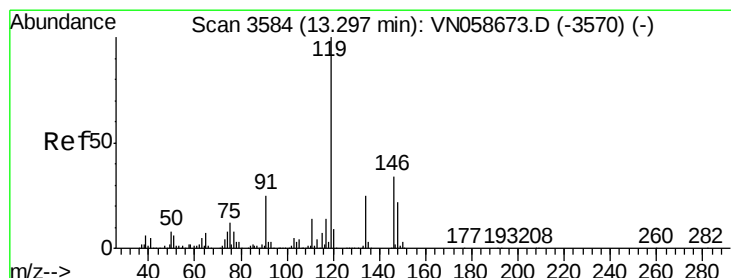
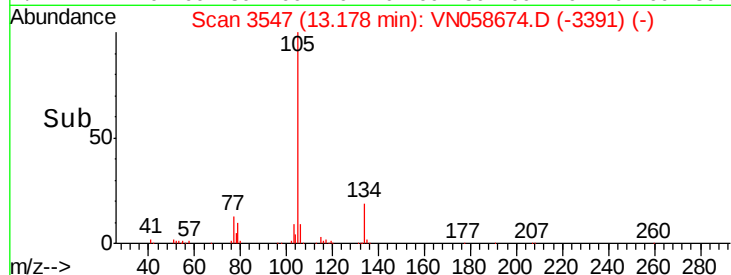
300000

200000

100000

0

Time-->



#82

p-Isopropyltoluene

Concen: 20.616 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

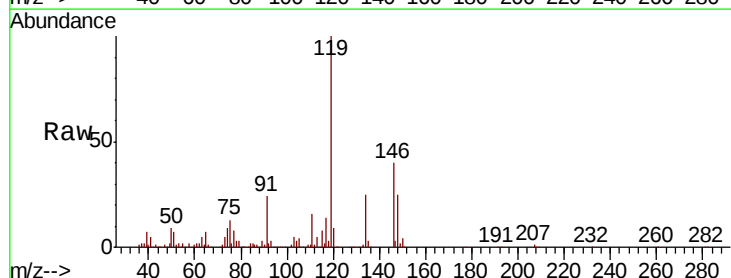
Tgt Ion:119 Resp: 410223

Ion Ratio Lower Upper

119 100

134 25.6 0.0 50.8

91 24.4 0.0 49.4



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

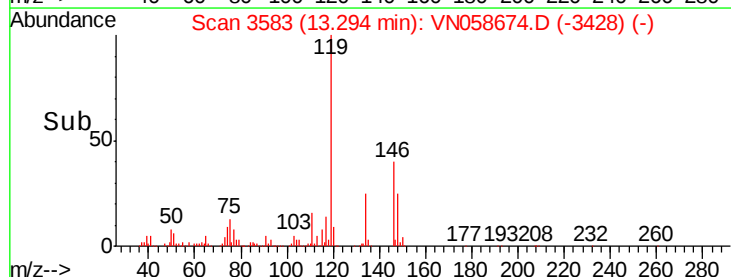
300000

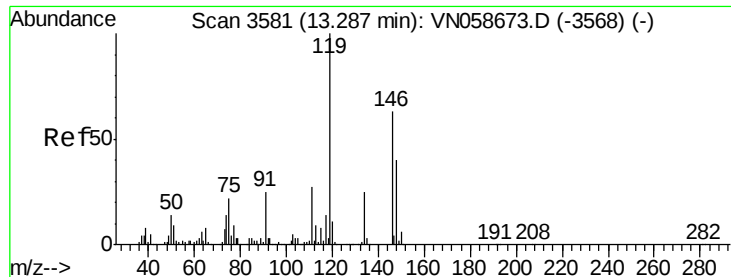
200000

100000

0

Time-->

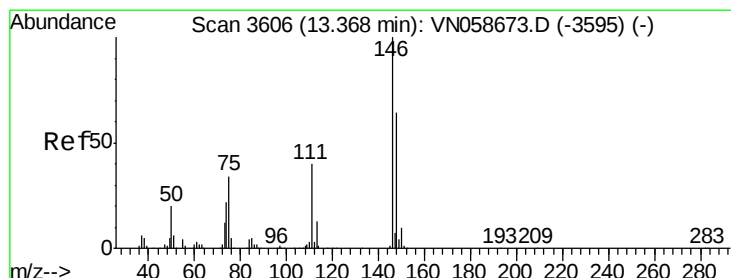
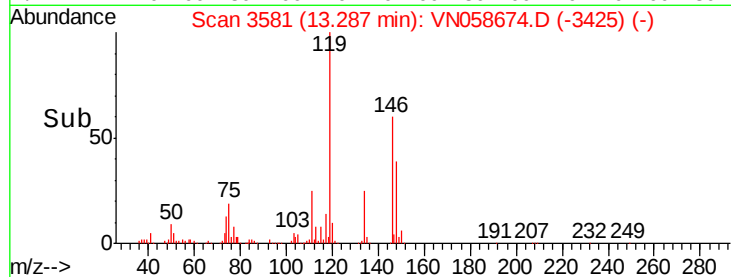
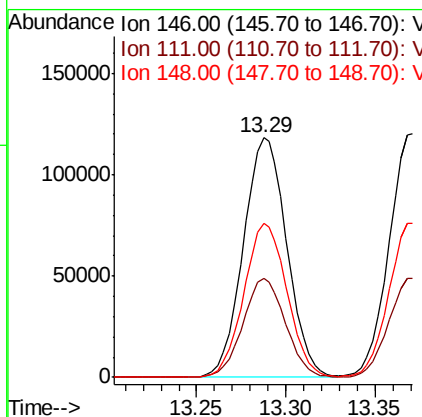
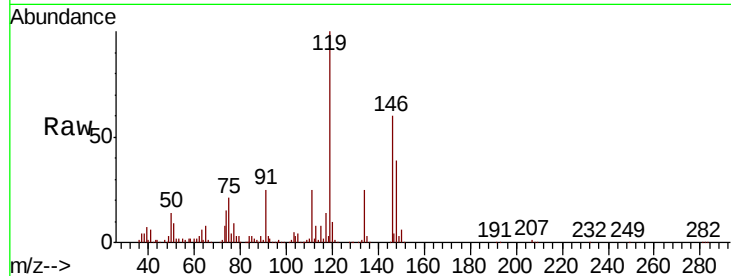




#83
 1,3-Dichlorobenzene
 Concen: 20.384 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058674.D
 Acq: 10 Oct 2019 18:56

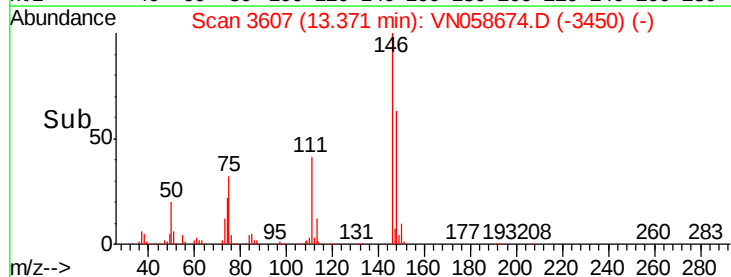
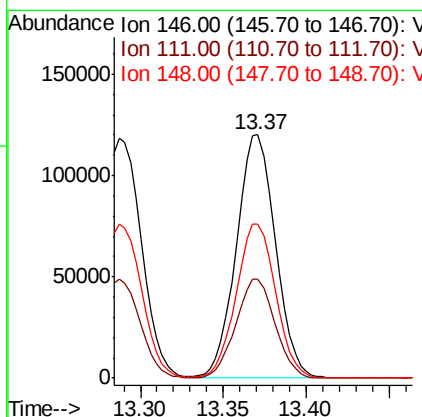
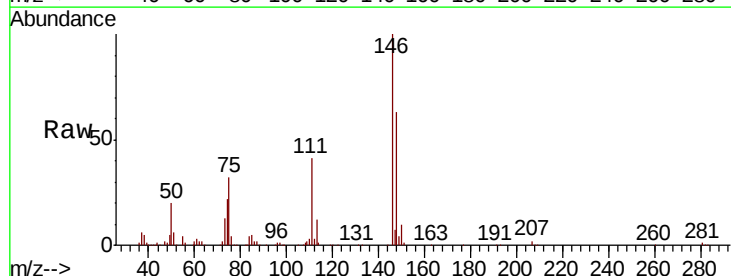
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101119

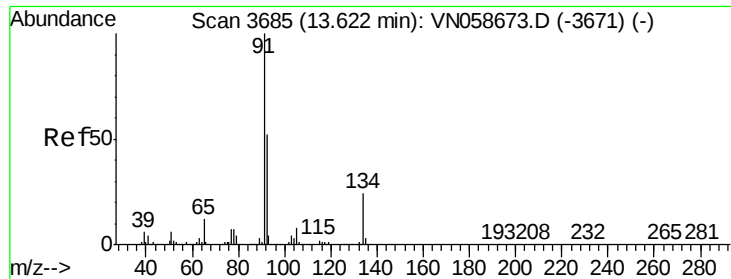
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	21.0	63.0
148	63.7	31.7	95.1



#84
 1,4-Dichlorobenzene
 Concen: 19.933 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058674.D
 Acq: 10 Oct 2019 18:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.8	59.4
148	64.1	31.6	94.8

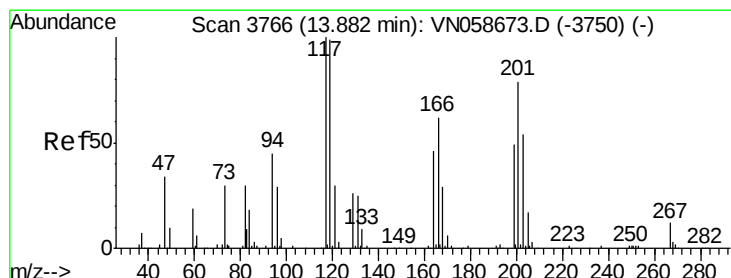
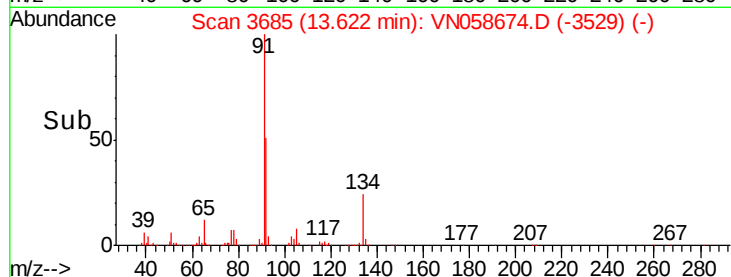
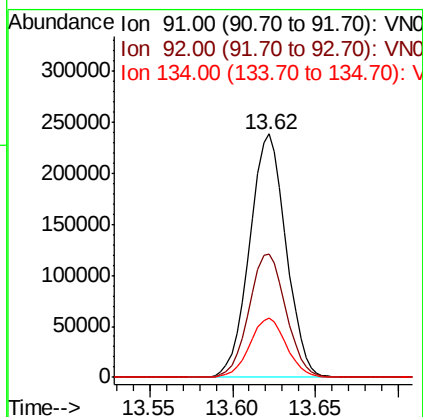
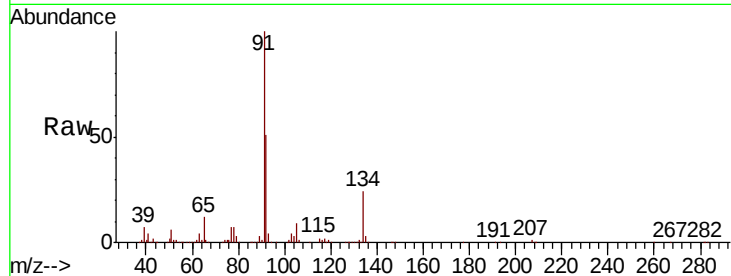




#85
n-Butylbenzene
Concen: 20.007 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058674.D
Acq: 10 Oct 2019 18:56

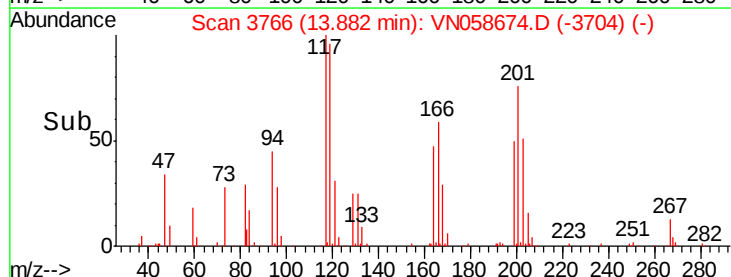
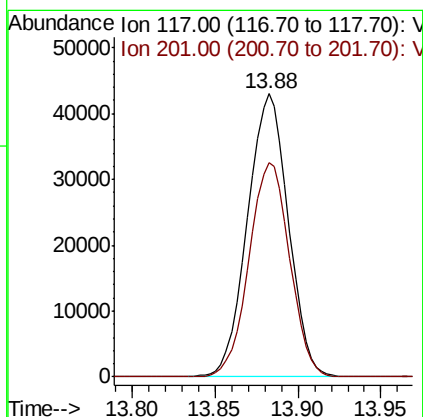
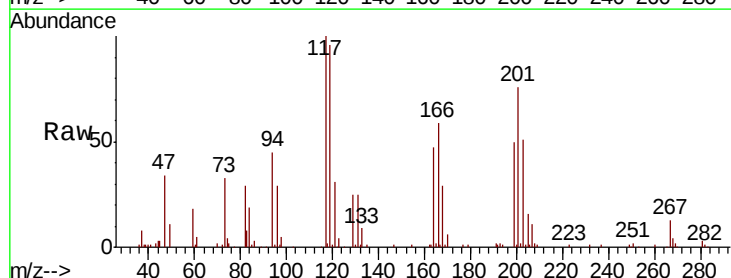
Instrument :
MSVOA_N
ClientSampleId :
ICVVN101119

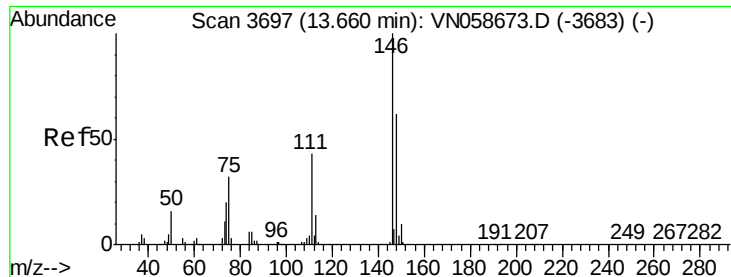
Tot Ion: 91 Resp: 364482
Ion Ratio Lower Upper
91 100
92 51.3 0.0 102.8
134 24.5 0.0 48.6



#86
Hexachloroethane
Concen: 20.306 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058674.D
Acq: 10 Oct 2019 18:56

Tgt Ion: 117 Resp: 73536
Ion Ratio Lower Upper
117 100
201 75.3 38.7 116.1





#87

1,2-Dichlorobenzene

Concen: 20.553 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

ICVFN101119

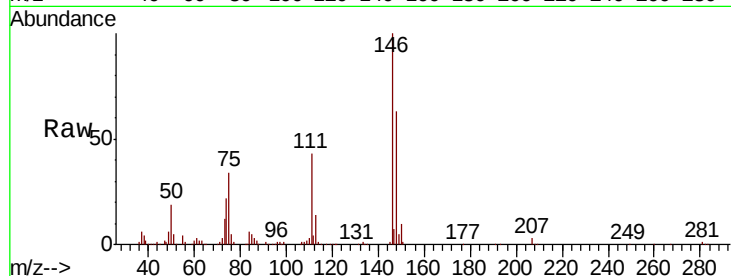
Tot Ion:146 Resp: 200673

Ion Ratio Lower Upper

146 100

111 43.4 21.8 65.4

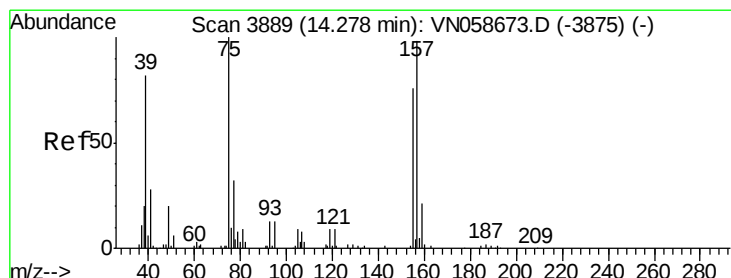
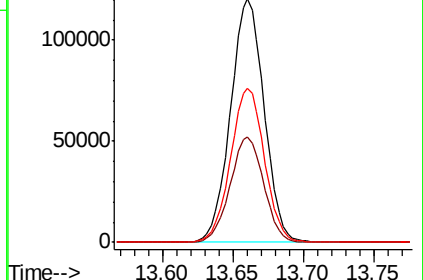
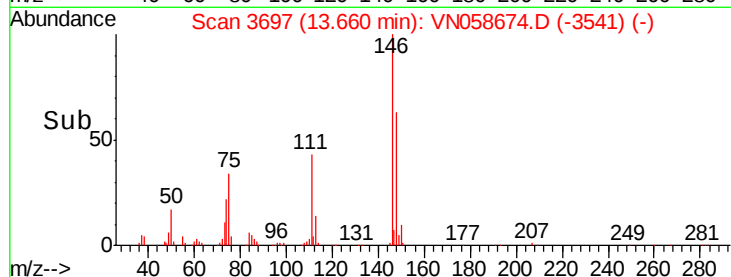
148 63.9 32.1 96.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.919 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

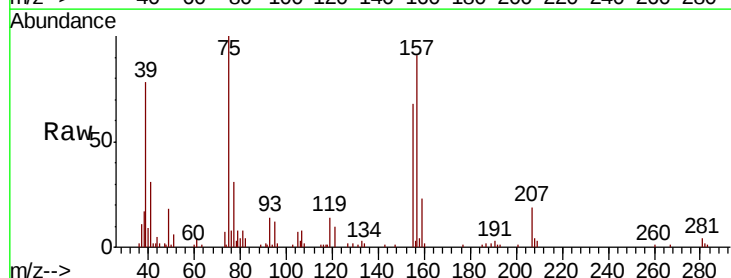
Tgt Ion: 75 Resp: 33586

Ion Ratio Lower Upper

75 100

155 73.1 58.3 87.5

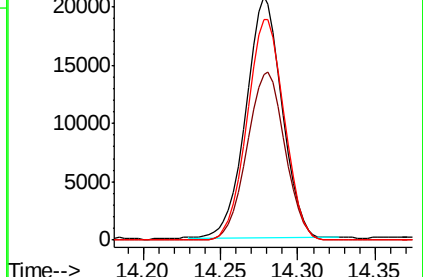
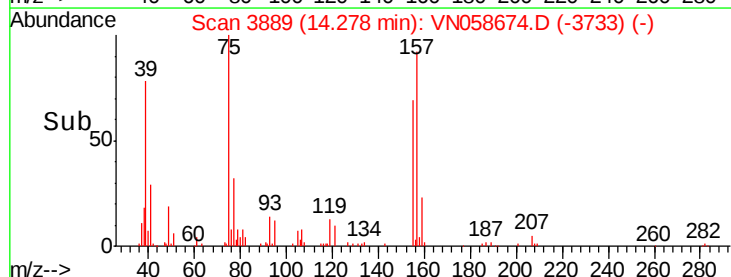
157 94.1 75.0 112.6

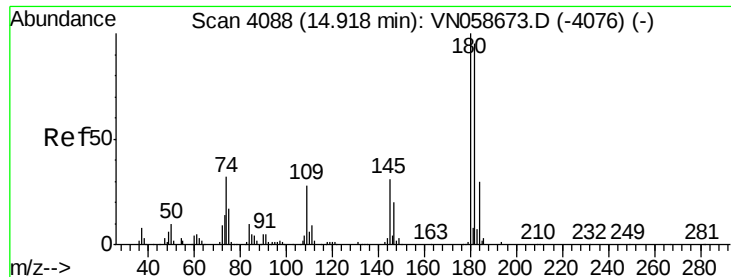


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

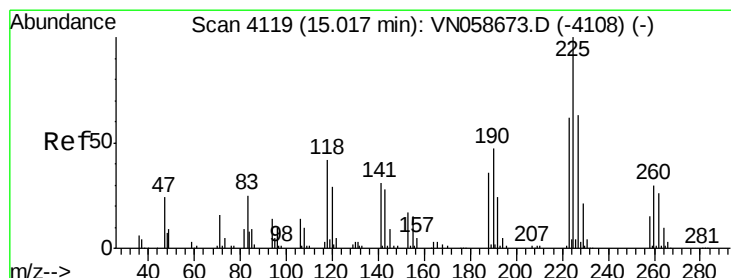
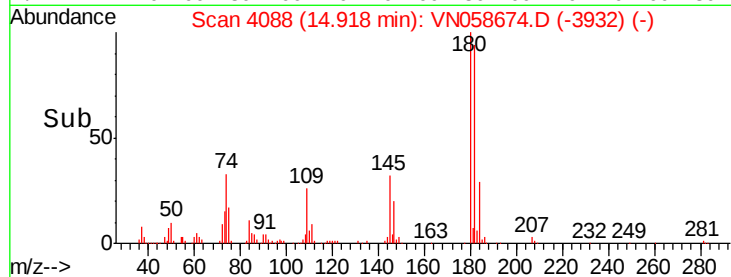
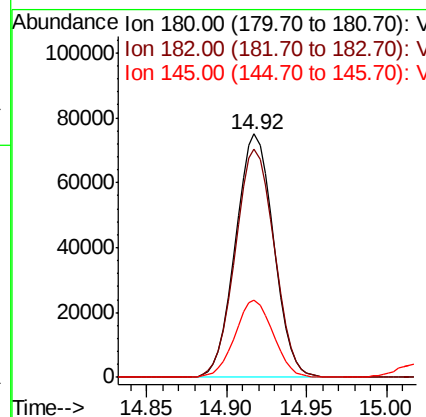
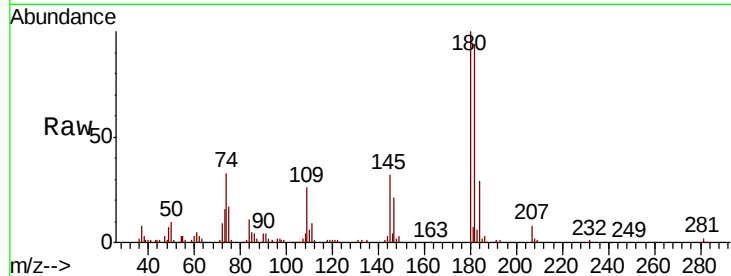




#89
 1,2,4-Trichlorobenzene
 Concen: 19.718 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058674.D
 Acq: 10 Oct 2019 18:56

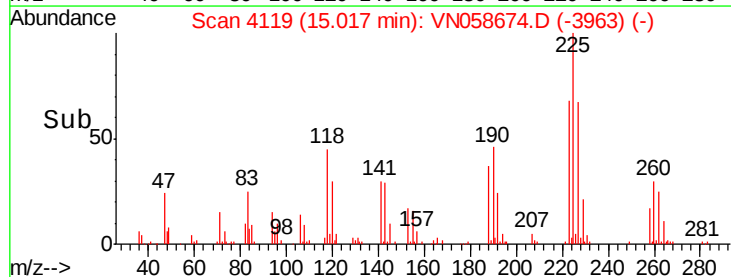
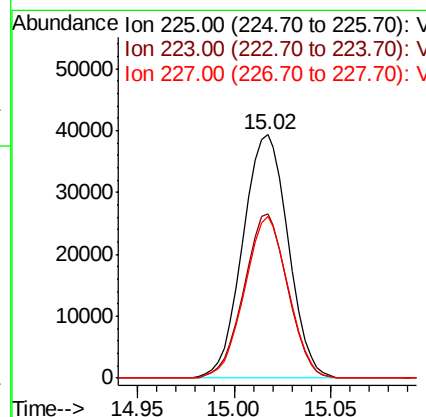
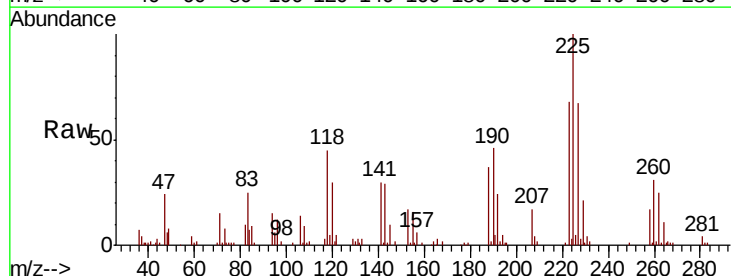
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101119

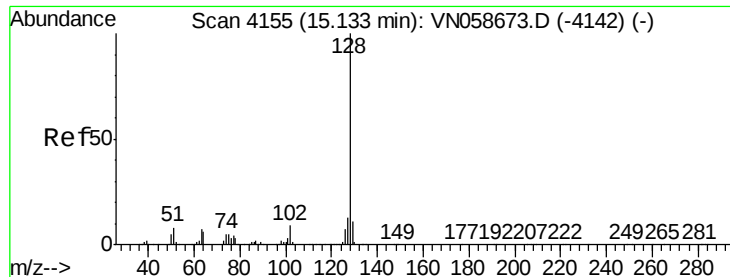
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.3	112.9
145	31.7	24.8	37.2



#90
 Hexachlorobutadiene
 Concen: 20.174 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN058674.D
 Acq: 10 Oct 2019 18:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	0.0	126.2
227	63.7	0.0	127.0





#91

Naphthalene

Concen: 20.225 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101119

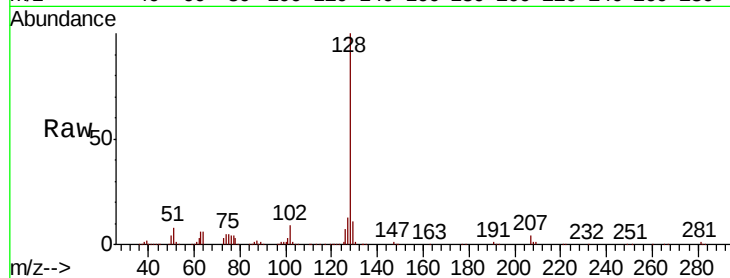
Tot Ion:128 Resp: 368142

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

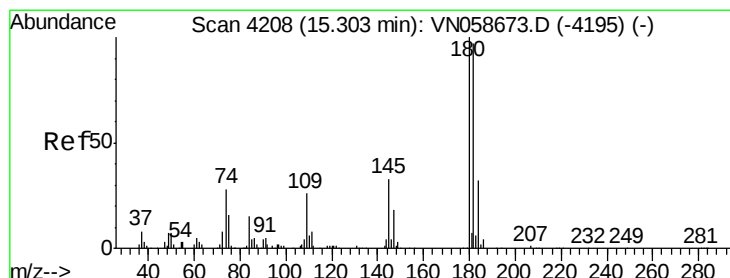
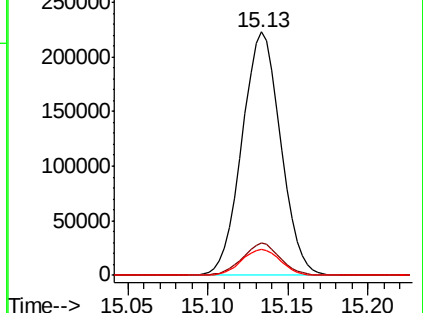
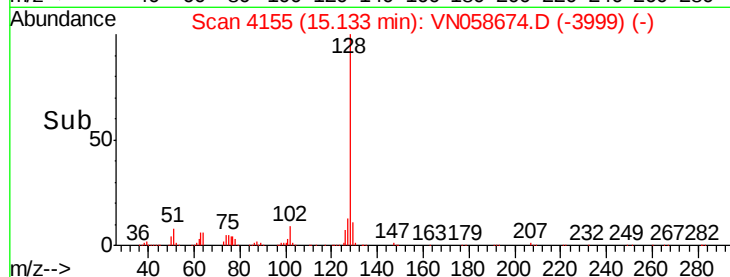
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 20.242 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

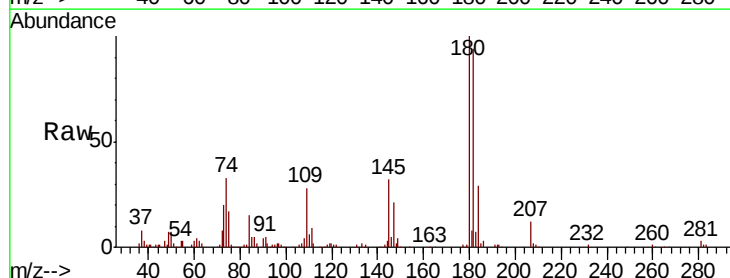
Tgt Ion:180 Resp: 121478

Ion Ratio Lower Upper

180 100

182 94.5 0.0 193.4

145 32.5 0.0 65.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

