

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102519\
 Data File : VN058955.D
 Acq On : 24 Oct 2019 13:00
 Operator : JC/SP
 Sample : VN1025WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 25 01:18:35 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	7.17	128	57608	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	314561	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	292243	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	153537	31.40	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.67%
60) 4-Bromofluorobenzene	12.40	95	147859	28.92	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.40%
63) Toluene-d8	10.08	98	422050	30.59	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	67197	21.529	ug/l 99
3) Chloromethane	2.04	50	89019	21.351	ug/l 98
4) Vinyl Chloride	2.17	62	91408	21.212	ug/l 98
5) Bromomethane	2.55	94	56074	21.076	ug/l 99
6) Chloroethane	2.69	64	59698	22.040	ug/l 97
7) Trichlorofluoromethane	3.00	101	118298	22.304	ug/l 99
8) Diethyl Ether	3.39	74	42833	21.174	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	68522	22.328	ug/l 98
10) 1,1-Dichloroethene	3.72	96	62347	20.685	ug/l 96
11) Methyl Iodide	3.93	142	70983	16.910	ug/l 98
12) Methyl Acetate	4.30	43	100268	20.792	ug/l 99
13) Acrolein	3.58	56	45455	85.307	ug/l 98
14) Acrylonitrile	4.96	53	201234	105.903	ug/l 99
15) Acetone	3.79	58	61566	109.152	ug/l 100
16) Carbon Disulfide	4.03	76	185472	21.097	ug/l 100
17) Allyl chloride	4.30	41	125595	20.935	ug/l 95
18) Methylene Chloride	4.53	84	78797	21.588	ug/l 97
19) trans-1,2-Dichloroethene	5.01	96	69877	21.295	ug/l 90
20) Diisopropyl ether	5.92	45	264314	21.624	ug/l 97
21) 1,1-Dichloroethane	5.82	63	148072	21.877	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	79502	20.321	ug/l 92
23) tert-Butyl Alcohol	4.76	59	74713	96.129	ug/l # 100
24) Methyl tert-Butyl Ether	5.01	73	229745	20.431	ug/l 97
25) Chloroform	7.35	83	145353	21.532	ug/l 95
26) Cyclohexane	7.63	56	118871	20.009	ug/l # 97
29) 1,1-Dichloropropene	7.78	75	104286	21.061	ug/l 100
30) 2-Butanone	6.81	43	287596	102.780	ug/l 99
31) 2,2-Dichloropropane	6.80	77	125052	21.427	ug/l # 53
32) 1,1,1-Trichloroethane	7.55	97	124677	21.770	ug/l 99
33) Carbon Tetrachloride	7.76	117	107800	21.746	ug/l 95
34) Benzene	8.03	78	318292	21.834	ug/l 98
35) Methacrylonitrile	7.19	41	172192	69.660	ug/l # 66
36) 1,2-Dichloroethane	8.11	62	122415	21.963	ug/l 99
37) Trichloroethene	8.82	130	75102	20.970	ug/l 99
38) Methylcyclohexane	9.07	83	111277	19.383	ug/l 96
39) 1,2-Dichloropropane	9.11	63	87508	21.966	ug/l 99
40) Dibromomethane	9.20	93	55033	21.882	ug/l 98

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 ClientSampleId :

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 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)
41) Bromodichloromethane	9.39	83	113879	22.165	ug/l	100
42) Vinyl Acetate	5.87	43	1083718	110.585	ug/l	99
43) Ethyl Acetate	6.90	43	114767	20.897	ug/l	96
44) Isopropyl Acetate	8.15	43	183040	20.575	ug/l	98
45) 1,4-Dioxane	9.19	88	26322	385.326	ug/l	99
46) Methyl methacrylate	9.19	41	82088	20.100	ug/l	97
47) n-amyl Acetate	12.07	43	144252	18.292	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	121613	20.409	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	131569	21.027	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	77655	21.629	ug/l	98
51) Ethyl methacrylate	10.43	69	108827	18.957	ug/l	99
52) 1,3-Dichloropropane	10.70	76	134310	21.006	ug/l	99
53) Dibromochloromethane	10.90	129	81466	21.144	ug/l	99
54) 1,2-Dibromoethane	11.00	107	79195	21.281	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	269090	94.230	ug/l	100
56) Bromoform	12.13	173	56412	21.018	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	576067	108.054	ug/l	99
59) 2-Hexanone	10.75	43	418544	100.141	ug/l	99
61) Tetrachloroethene	10.63	164	67465	21.363	ug/l	99
62) Toluene	10.15	91	330779	21.042	ug/l	99
64) Chlorobenzene	11.43	112	198777	20.683	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	76157	21.133	ug/l	100
66) Ethyl Benzene	11.51	91	352550	20.254	ug/l	99
67) m/p-Xylenes	11.62	106	260931	40.124	ug/l	97
68) o-Xylene	11.95	106	123341	19.564	ug/l	98
69) Styrene	11.97	104	200769	19.277	ug/l	99
70) Isopropylbenzene	12.25	105	338122	19.865	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	116556	20.341	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	153910	29.642	ug/l	62
73) Bromobenzene	12.53	156	81846	19.797	ug/l	96
74) n-propylbenzene	12.59	91	405888	20.373	ug/l	99
75) 2-Chlorotoluene	12.68	91	244505	20.398	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	289975	19.891	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	38006	19.214	ug/l	96
78) 4-Chlorotoluene	12.78	91	244843	19.818	ug/l	100
79) tert-butylbenzene	13.00	119	243109	19.519	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	286420	19.772	ug/l	99
81) sec-Butylbenzene	13.17	105	326096	19.455	ug/l	98
82) p-Isopropyltoluene	13.29	119	288136	19.143	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	146205	19.543	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	138629	18.552	ug/l	99
85) n-Butylbenzene	13.62	91	247100	17.931	ug/l	99
86) Hexachloroethane	13.88	117	56466	20.614	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	145574	19.711	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	24700	19.366	ug/l	95
89) 1,2,4-Trichlorobenzene	14.92	180	73526	15.767	ug/l	98
90) Hexachlorobutadiene	15.01	225	45462	18.879	ug/l	100
91) Naphthalene	15.13	128	206557	15.002	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	75175	16.560	ug/l	98

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QLast Update : Fri Oct 11 04:26:47 2019
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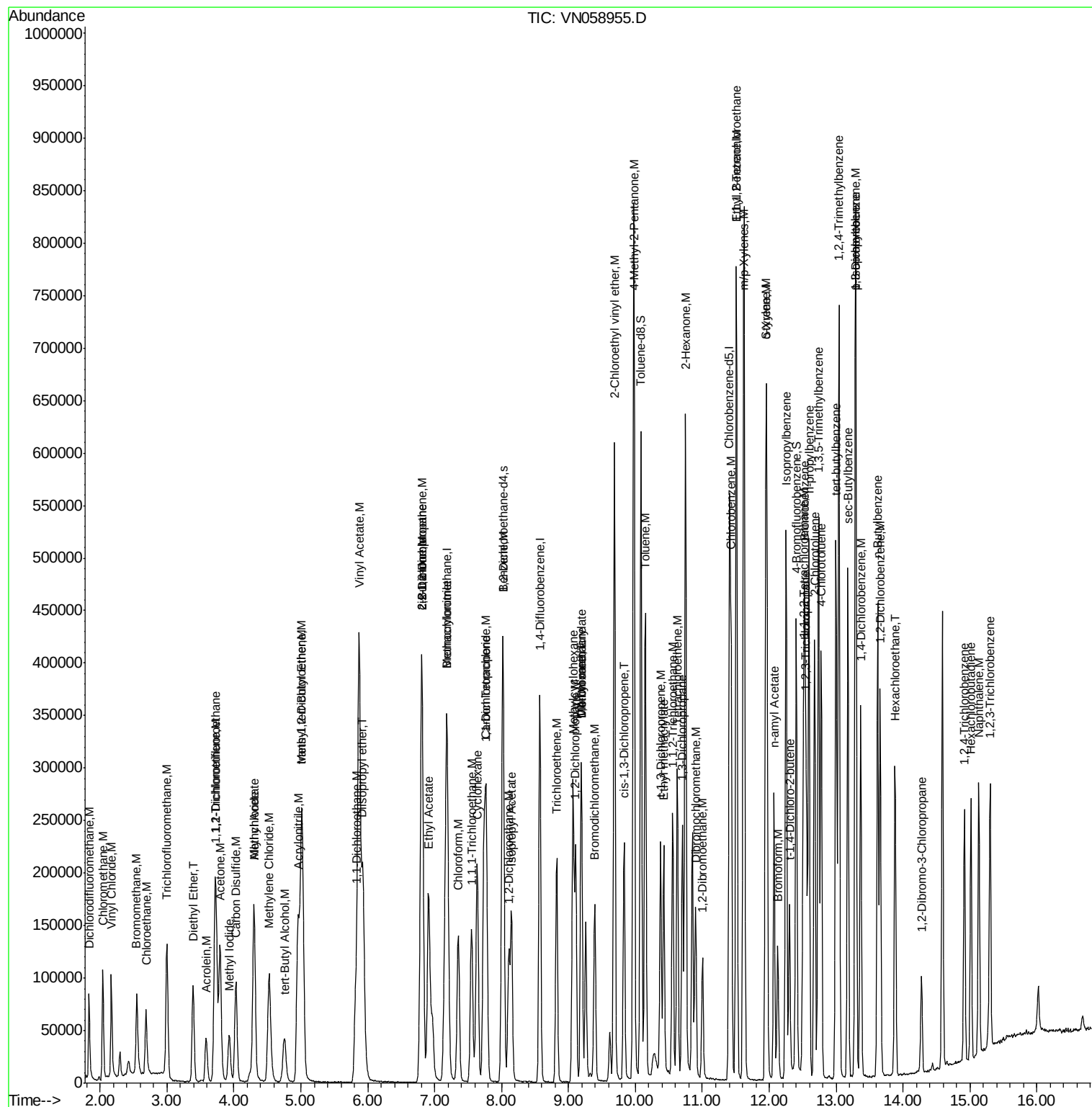
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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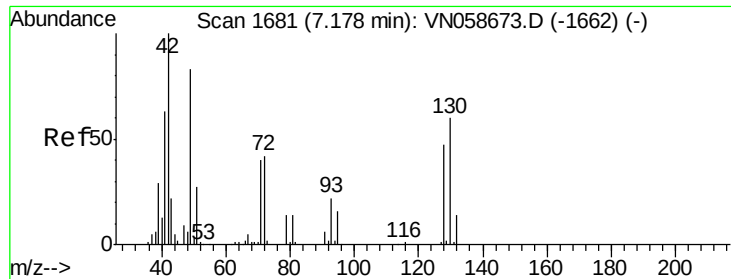
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102519\
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Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 25 01:18:35 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 11 04:26:47 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :
MSVOA_N
ClientSampled :

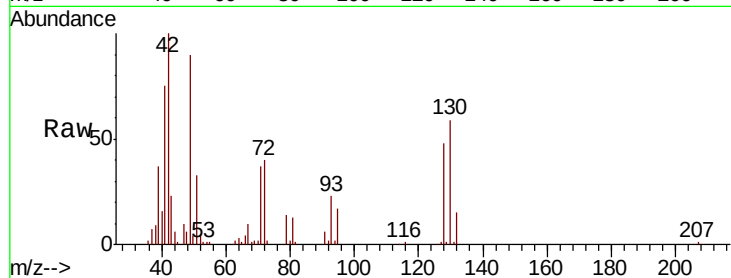
Tot Ion:128 Resp: 57608

Ion Ratio Lower Upper

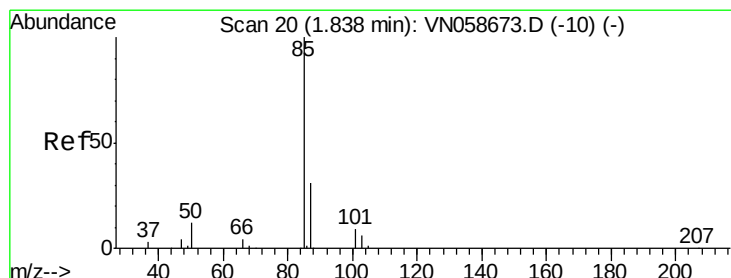
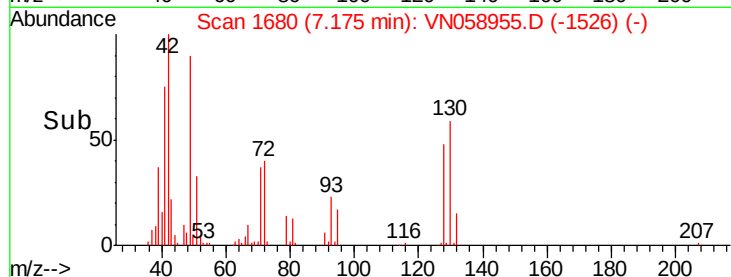
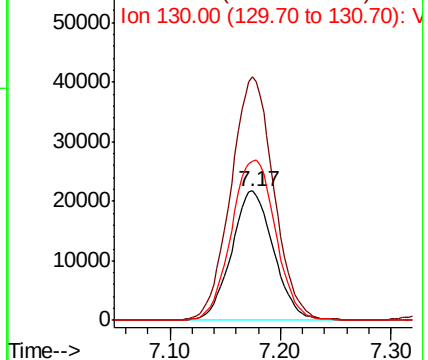
128 100

49 191.5 0.0 453.5

130 129.7 0.0 314.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 21.529 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058955.D

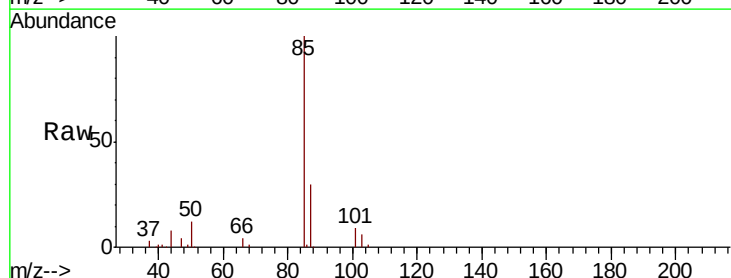
Acq: 24 Oct 2019 13:00

Tgt Ion: 85 Resp: 67197

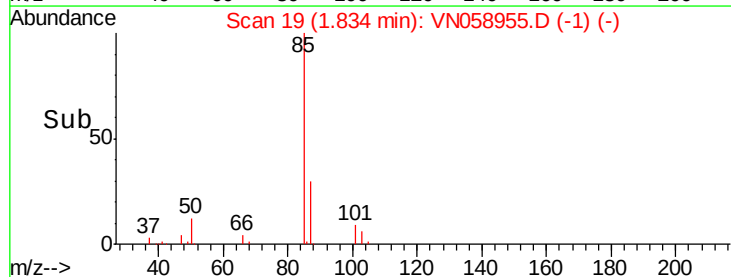
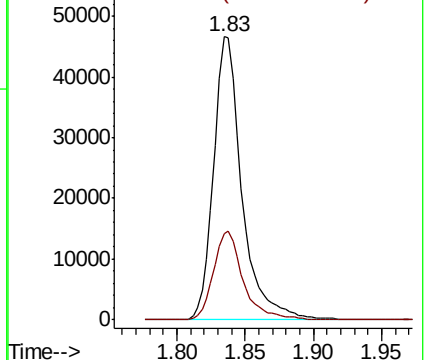
Ion Ratio Lower Upper

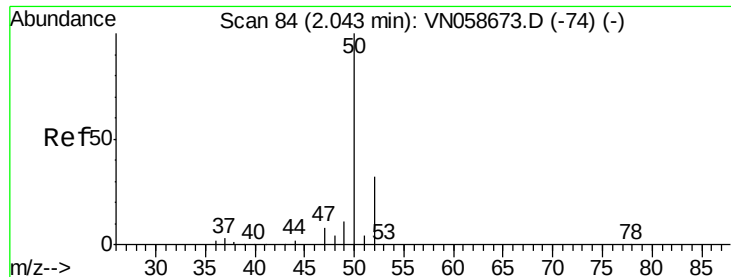
85 100

87 30.5 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 21.351 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

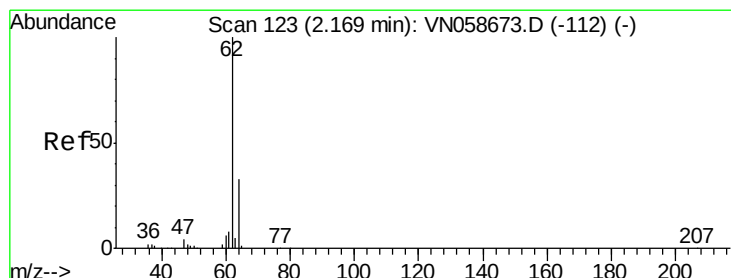
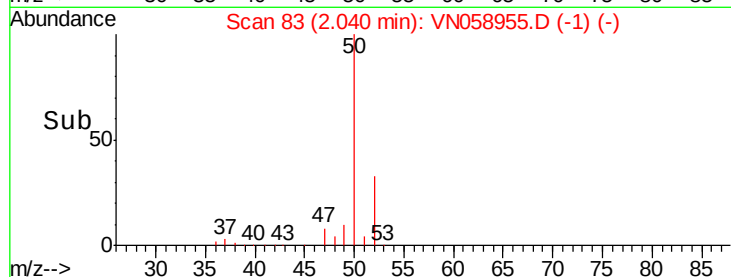
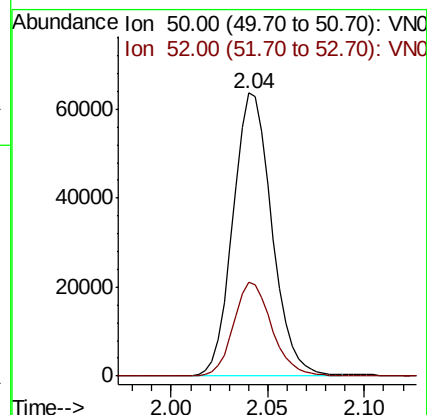
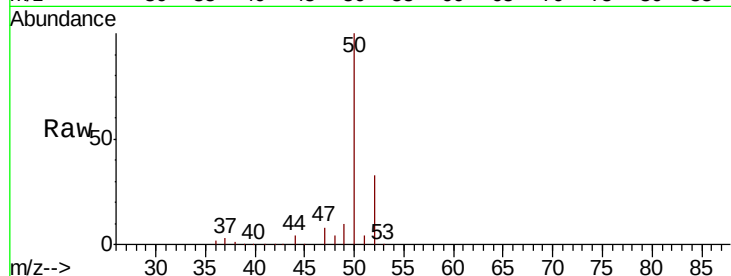
ClientSampled :

Tot Ion: 50 Resp: 89019

Ion Ratio Lower Upper

50 100

52 33.3 25.8 38.8



#4

Vinyl Chloride

Concen: 21.212 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058955.D

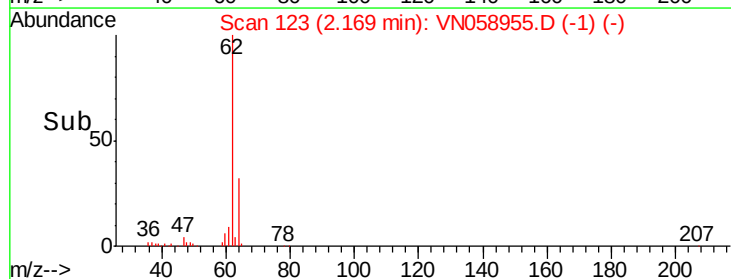
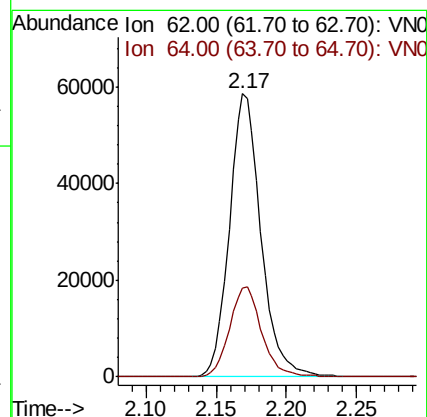
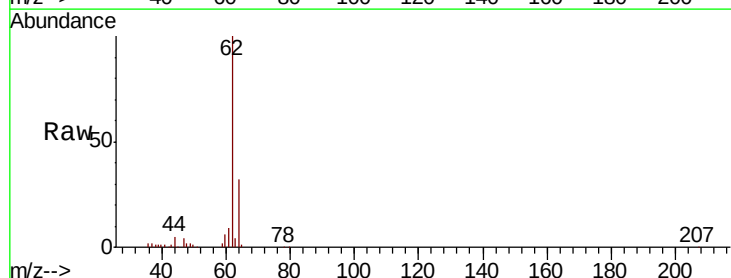
Acq: 24 Oct 2019 13:00

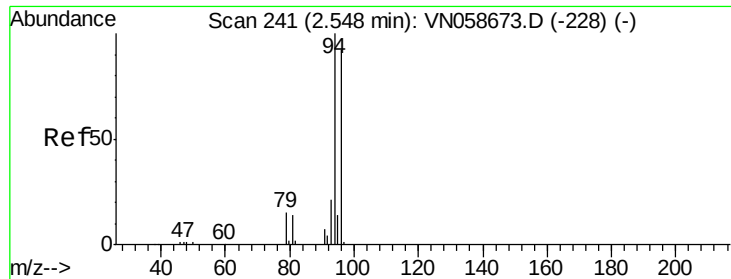
Tgt Ion: 62 Resp: 91408

Ion Ratio Lower Upper

62 100

64 31.5 26.1 39.1





#5

Bromomethane

Concen: 21.076 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

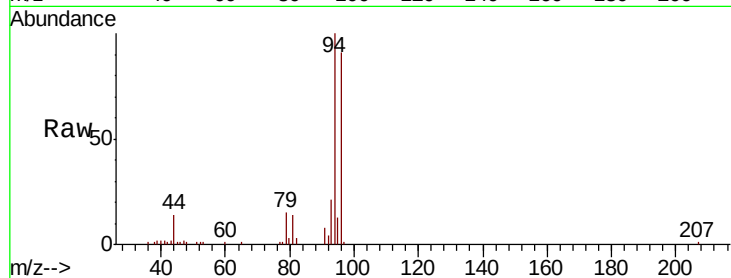
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 56074

Ion Ratio Lower Upper

94 100

96 91.4 73.7 110.5



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

2.55

30000

25000

20000

15000

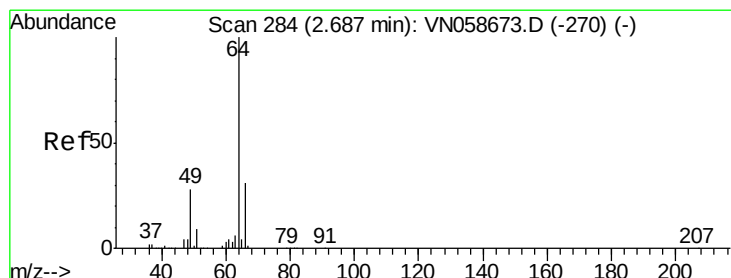
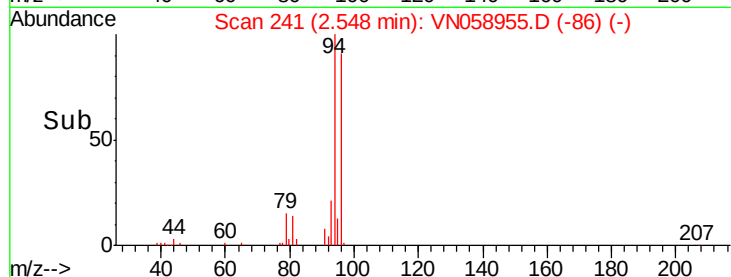
10000

5000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 22.040 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN058955.D

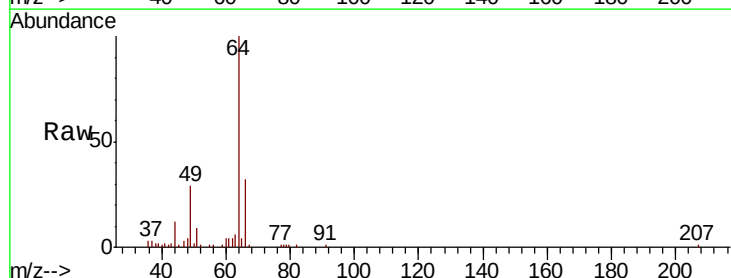
Acq: 24 Oct 2019 13:00

Tgt Ion: 64 Resp: 59698

Ion Ratio Lower Upper

64 100

66 32.3 24.6 36.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

2.69

30000

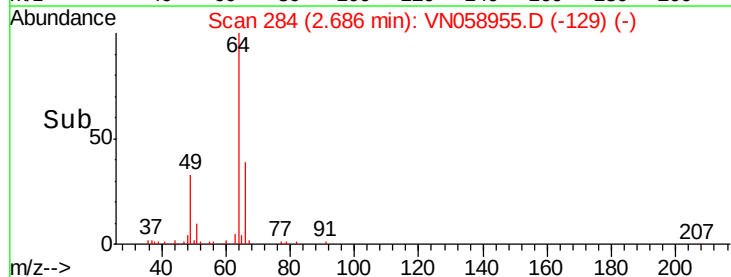
20000

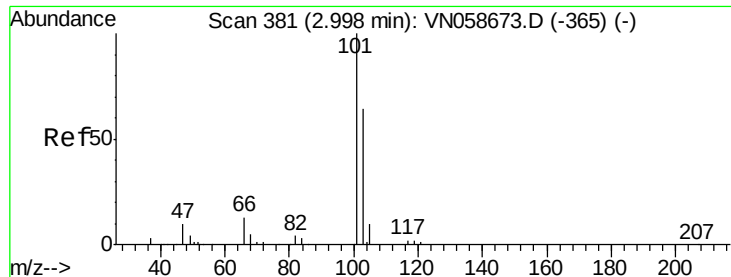
10000

0

Time-->

2.60 2.65 2.70 2.75 2.80



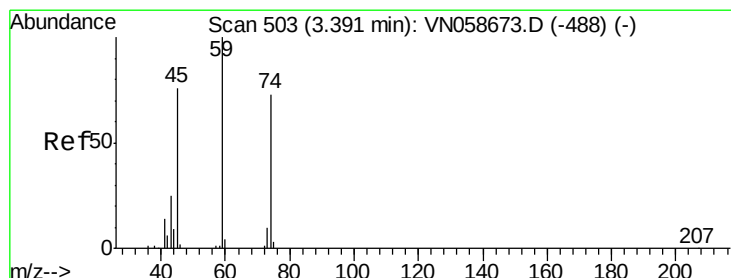
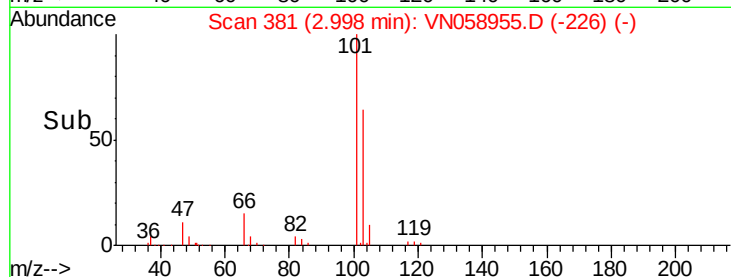
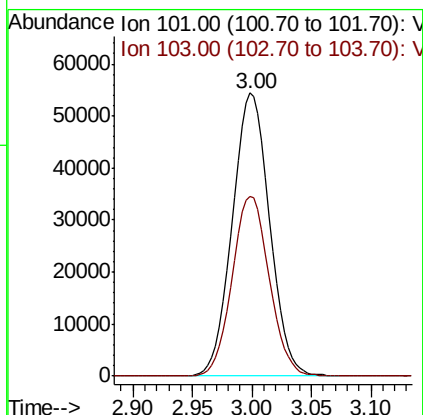
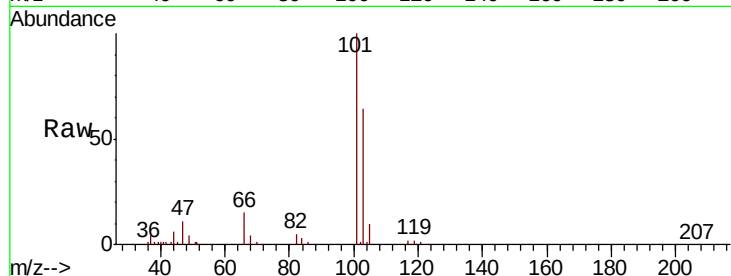


#7

Trichlorofluoromethane
 Concen: 22.304 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

Instrument :
 MSVOA_N
 ClientSampled :

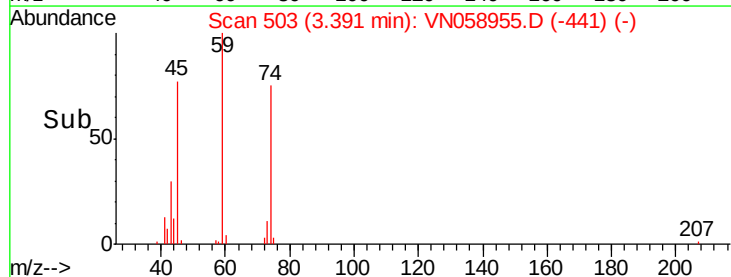
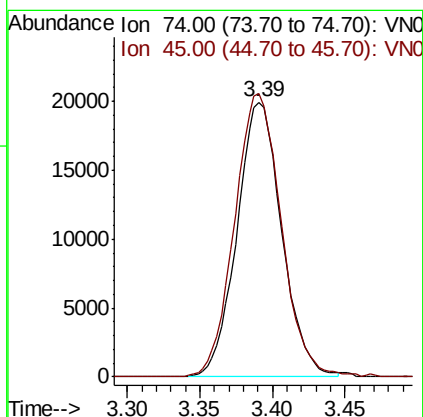
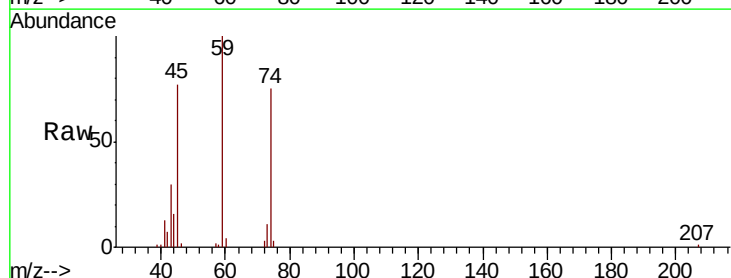
Tot Ion:101 Resp: 118298
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.5 77.3

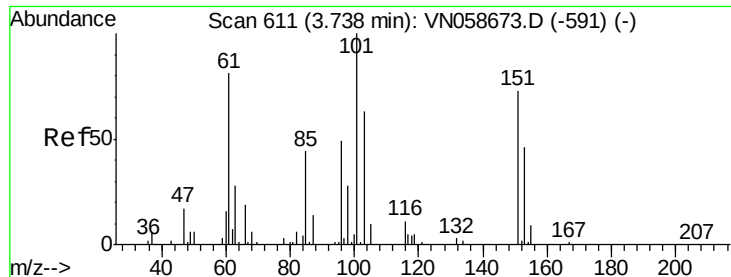


#8

Diethyl Ether
 Concen: 21.174 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

Tgt Ion: 74 Resp: 42833
 Ion Ratio Lower Upper
 74 100
 45 107.4 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.328 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

ClientSampled :

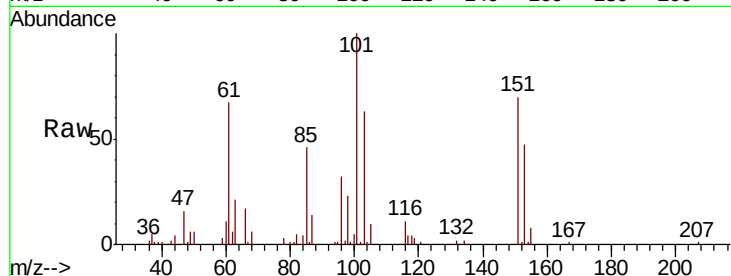
Tot Ion:101 Resp: 68522

Ion Ratio Lower Upper

101 100

85 45.3 0.0 93.8

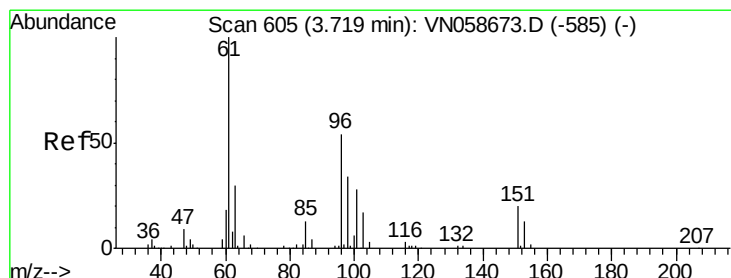
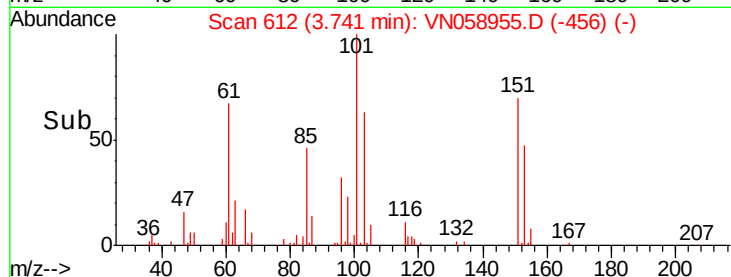
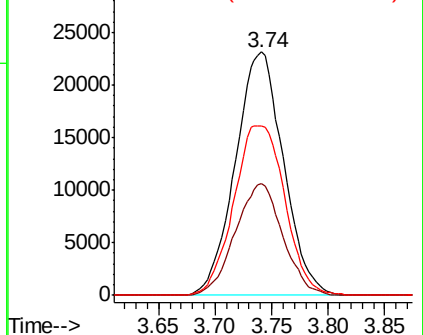
151 73.8 0.0 149.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.685 ug/l

RT: 3.72 min Scan# 605

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

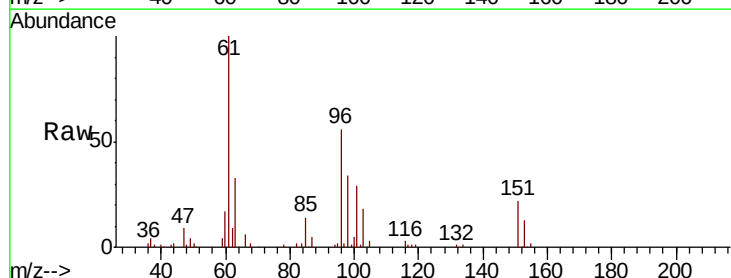
Tgt Ion: 96 Resp: 62347

Ion Ratio Lower Upper

96 100

61 179.5 148.5 222.7

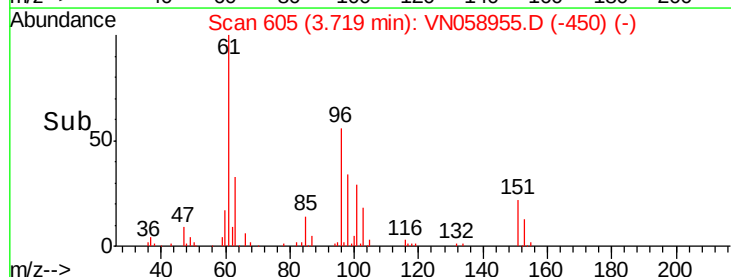
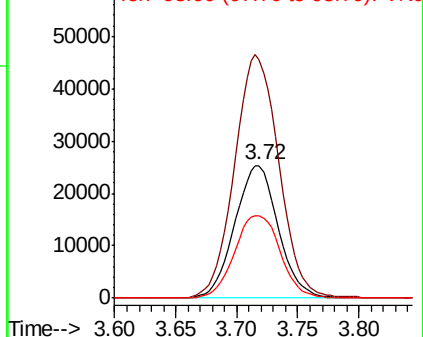
98 61.7 51.0 76.6

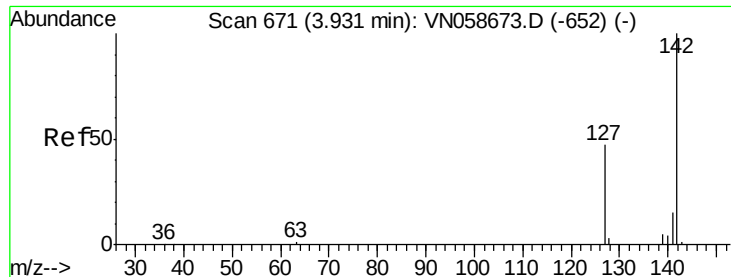


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

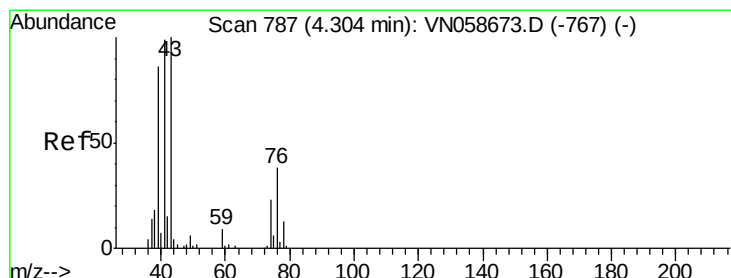
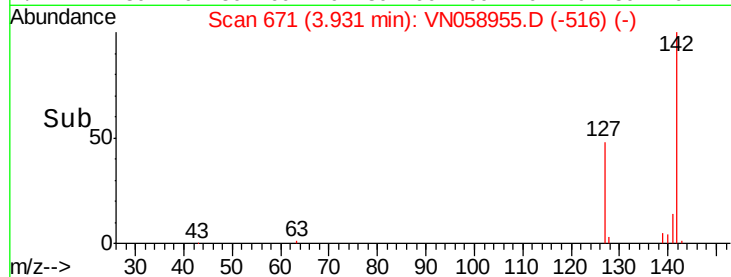
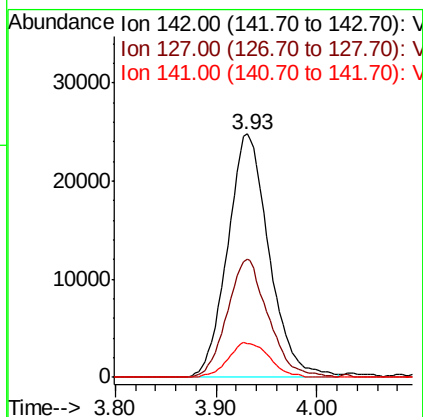
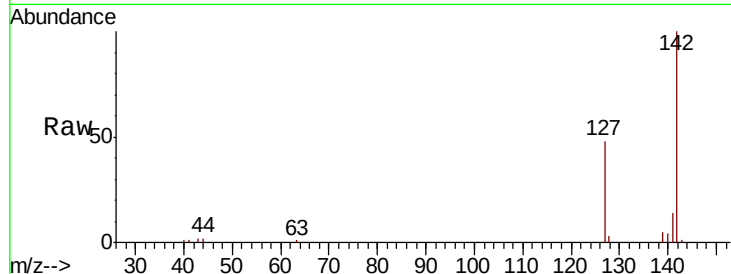




#11
Methyl Iodide
Concen: 16.910 ug/l
RT: 3.93 min Scan# 671
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

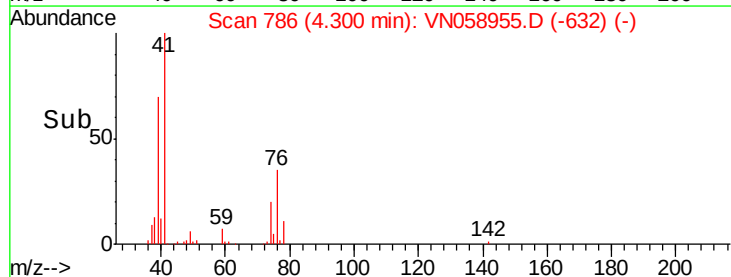
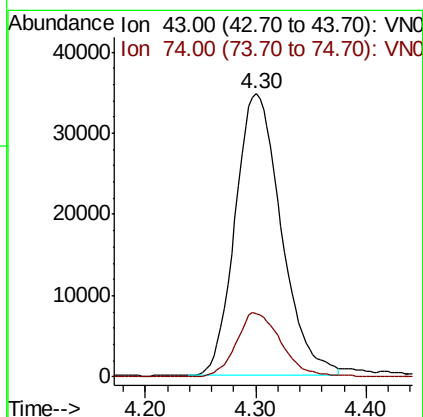
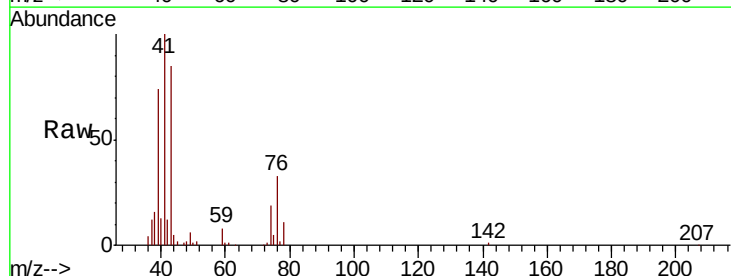
Instrument :
MSVOA_N
ClientSampleId :

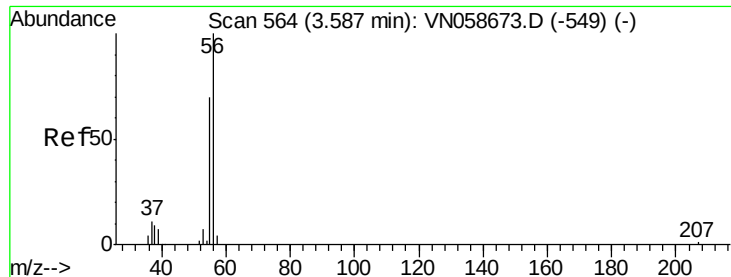
Tot Ion:142 Resp: 70983
Ion Ratio Lower Upper
142 100
127 48.7 23.5 70.6
141 14.1 7.4 22.2



#12
Methyl Acetate
Concen: 20.792 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Tgt Ion: 43 Resp: 100268
Ion Ratio Lower Upper
43 100
74 22.4 18.1 27.1





#13

Acrolein

Concen: 85.307 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

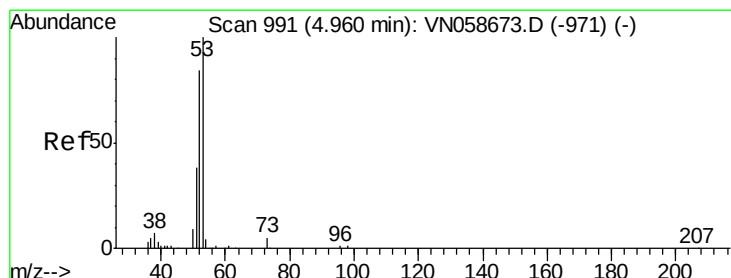
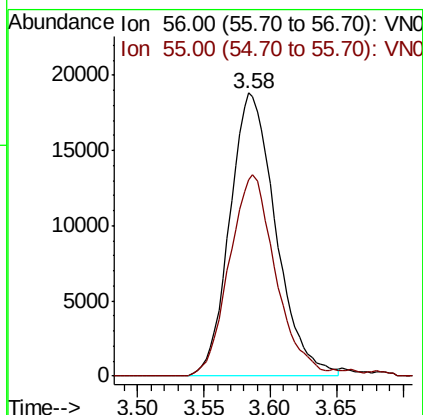
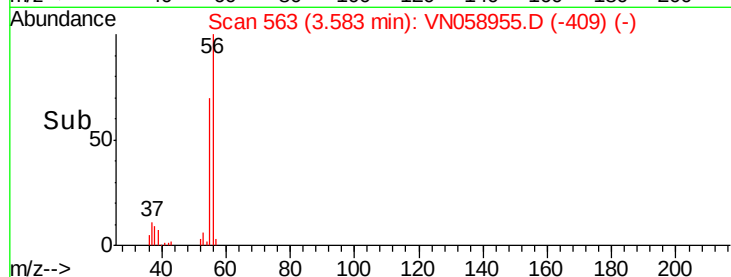
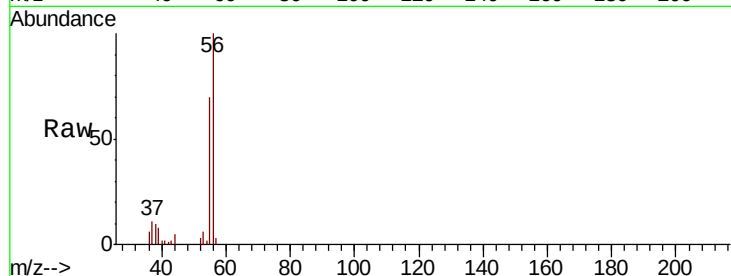
ClientSampleId :

Tot Ion: 56 Resp: 45455

Ion Ratio Lower Upper

56 100

55 71.4 55.9 83.9



#14

Acrylonitrile

Concen: 105.903 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

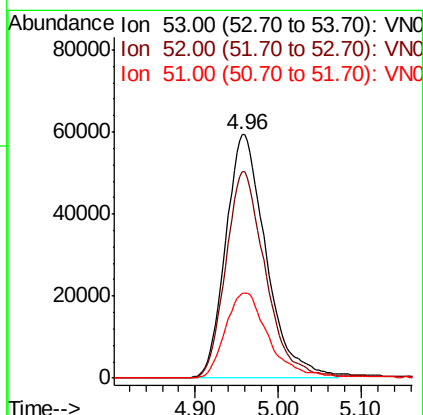
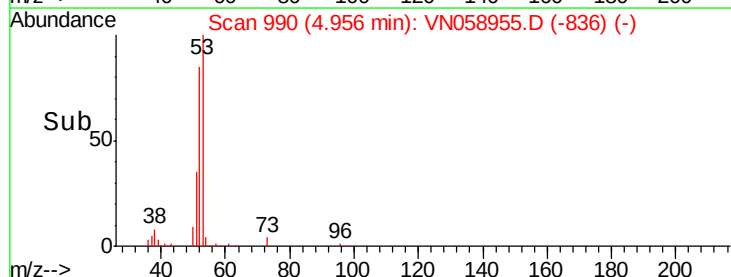
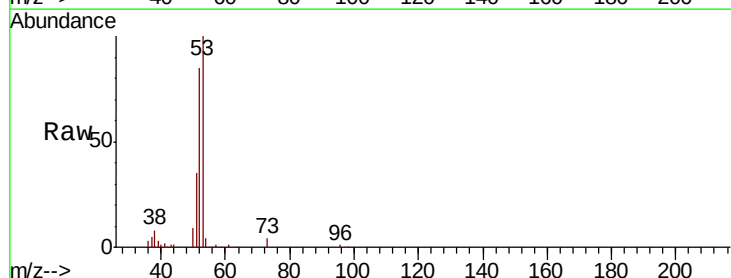
Tgt Ion: 53 Resp: 201234

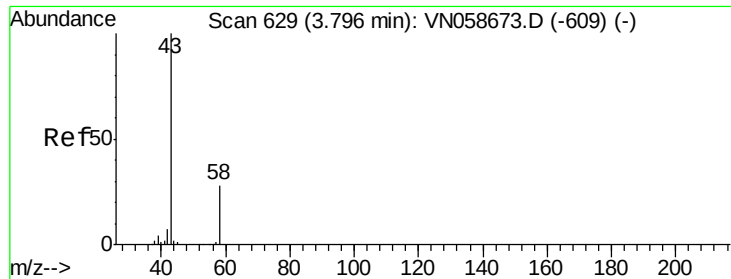
Ion Ratio Lower Upper

53 100

52 83.2 42.2 126.6

51 36.6 18.8 56.4





#15

Acetone

Concen: 109.152 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

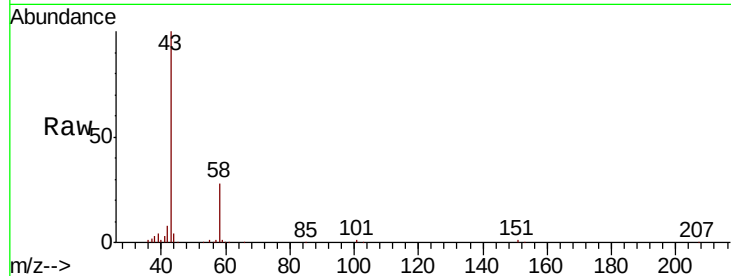
ClientSampled :

Tot Ion: 58 Resp: 61566

Ion Ratio Lower Upper

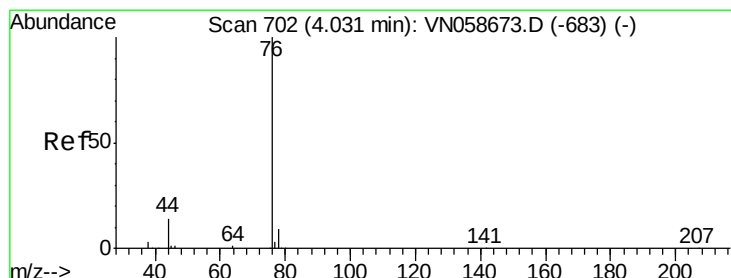
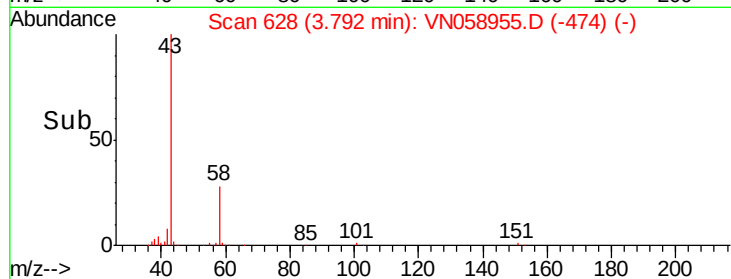
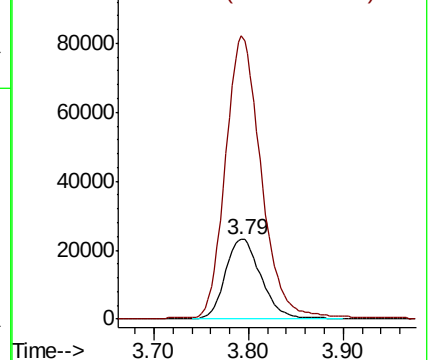
58 100

43 352.6 281.7 422.5



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 21.097 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058955.D

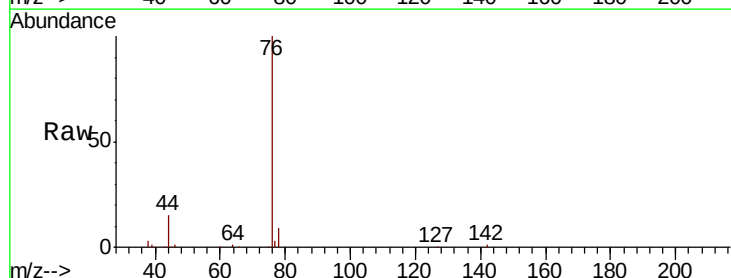
Acq: 24 Oct 2019 13:00

Tgt Ion: 76 Resp: 185472

Ion Ratio Lower Upper

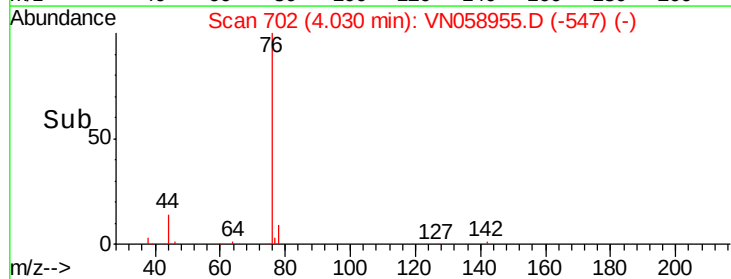
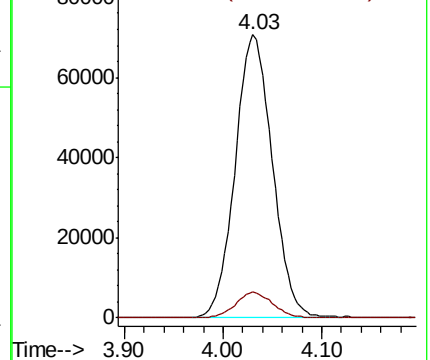
76 100

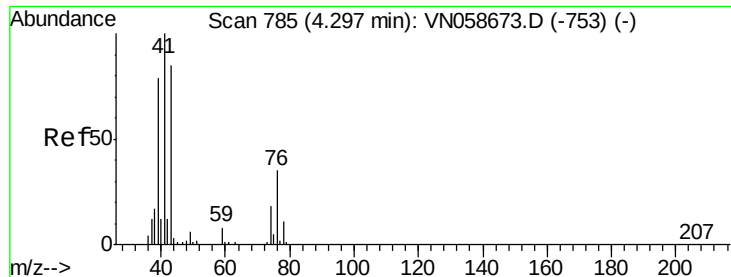
78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

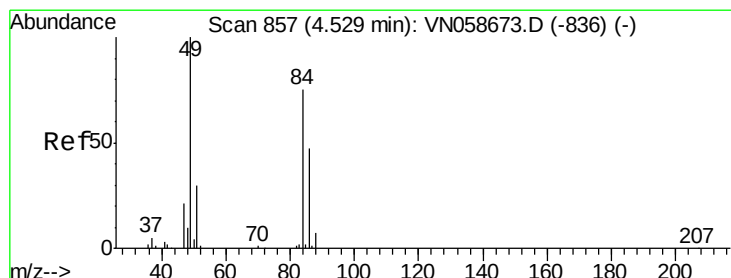
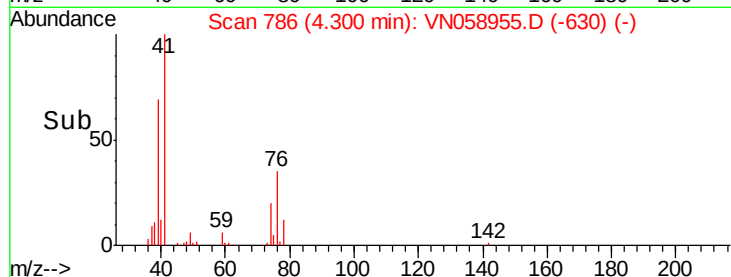
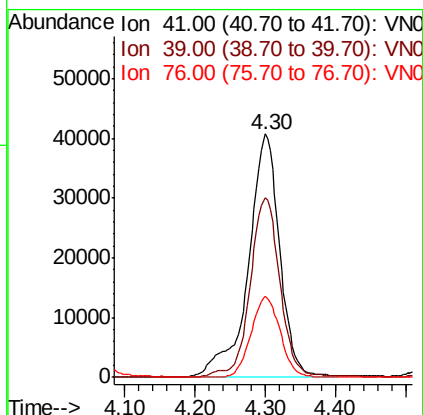
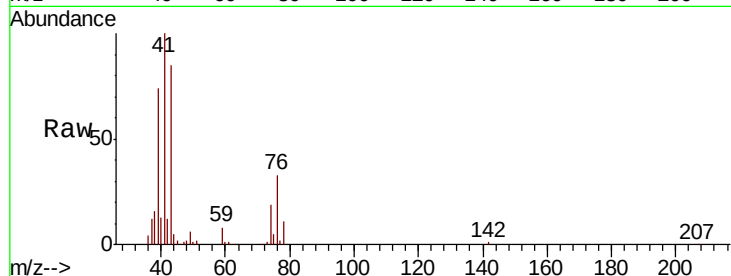




#17
Allvl chloride
Concen: 20.935 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

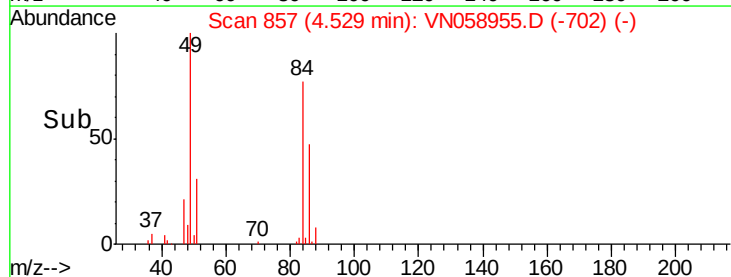
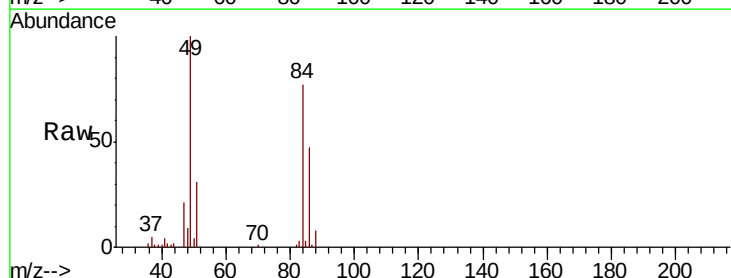
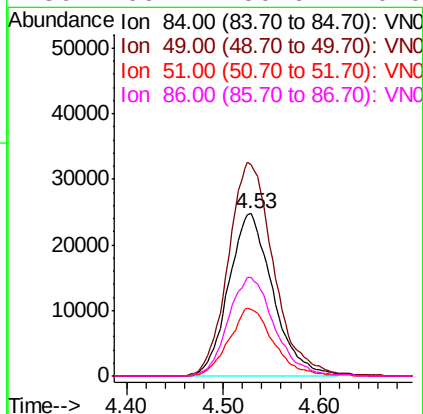
Instrument :
MSVOA_N
ClientSampled :

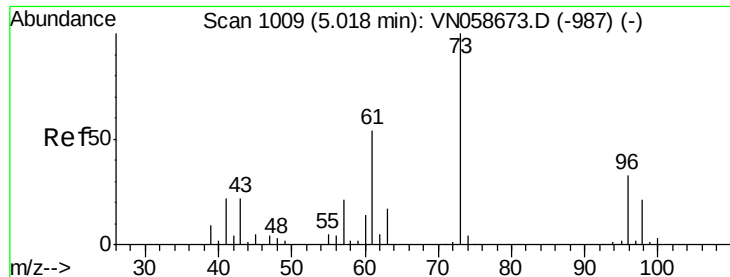
Tot Ion: 41 Resp: 125595
Ion Ratio Lower Upper
41 100
39 73.9 39.6 118.8
76 33.3 17.6 52.9



#18
Methylene Chloride
Concen: 21.588 ug/l
RT: 4.53 min Scan# 857
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Tgt Ion: 84 Resp: 78797
Ion Ratio Lower Upper
84 100
49 129.4 106.6 160.0
51 40.8 32.4 48.6
86 60.7 50.6 76.0





#19

trans-1,2-Dichloroethene

Concen: 21.295 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :
MSVOA_N
ClientSampleId :

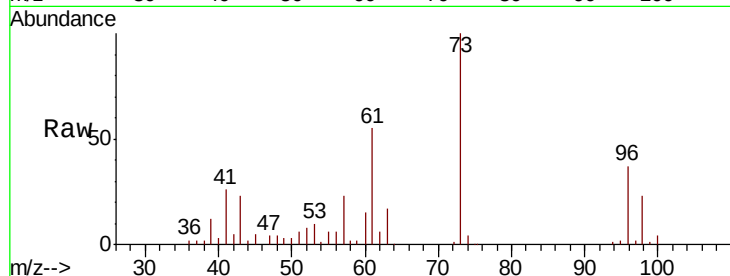
Tot Ion: 96 Resp: 69877

Ion Ratio Lower Upper

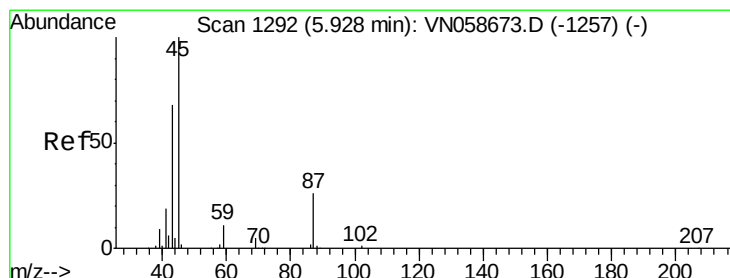
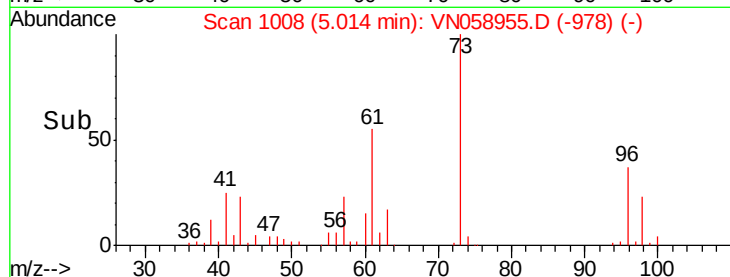
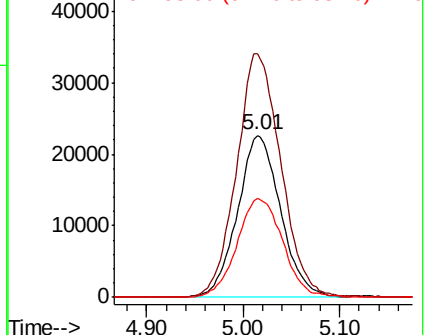
96 100

61 149.9 131.8 197.6

98 61.1 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: 21.624 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Tgt Ion: 45 Resp: 264314

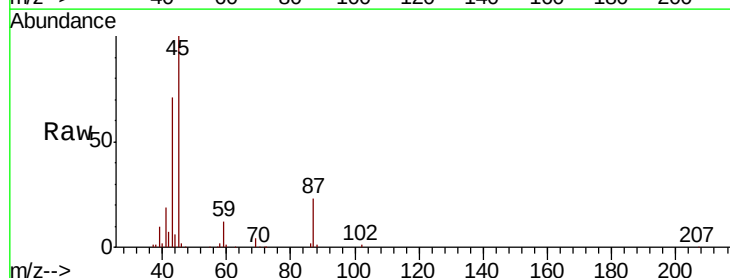
Ion Ratio Lower Upper

45 100

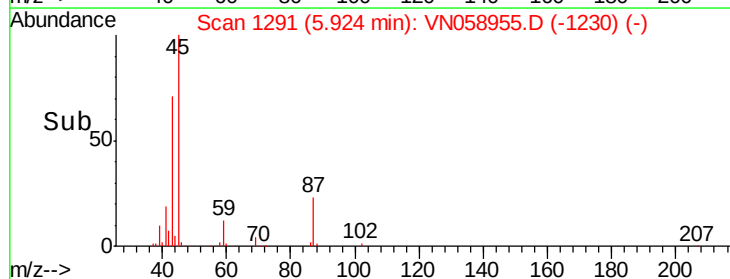
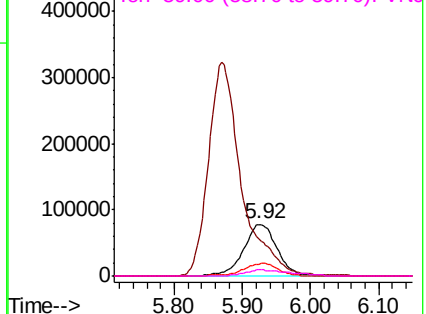
43 69.9 54.7 82.1

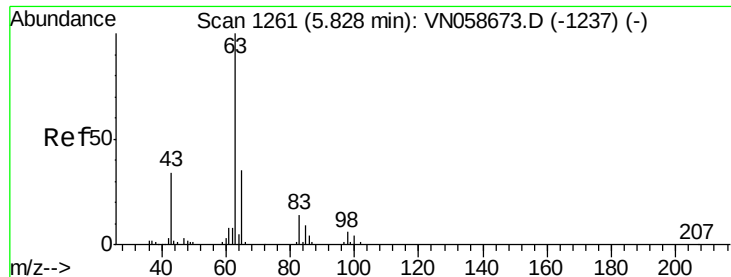
87 23.3 21.5 32.3

59 11.9 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: 21.877 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :
MSVOA_N
ClientSampled :

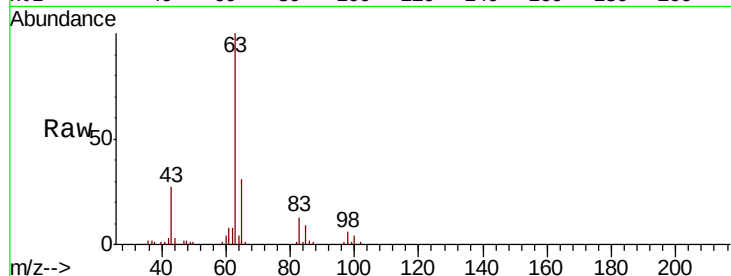
Tot Ion: 63 Resp: 148072

Ion Ratio Lower Upper

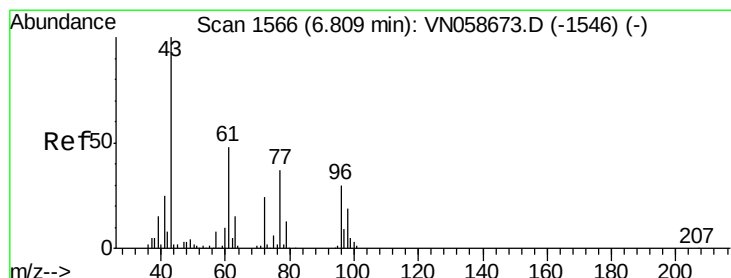
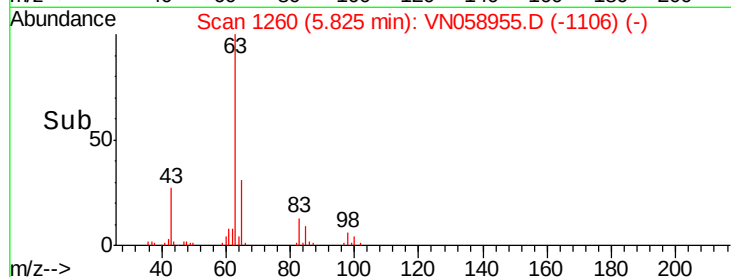
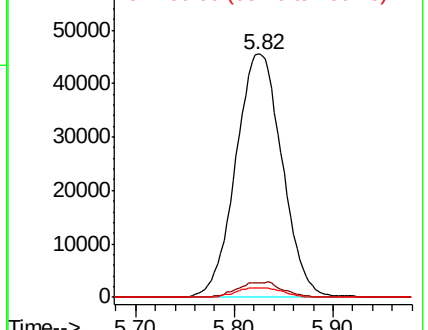
63 100

98 6.0 2.9 8.6

100 4.0 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VN0
Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0



#22

cis-1,2-Dichloroethene

Concen: 20.321 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

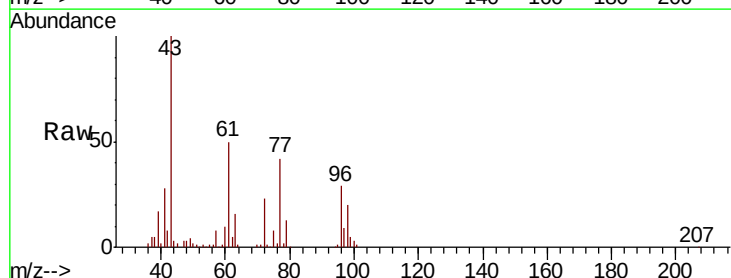
Tgt Ion: 96 Resp: 79502

Ion Ratio Lower Upper

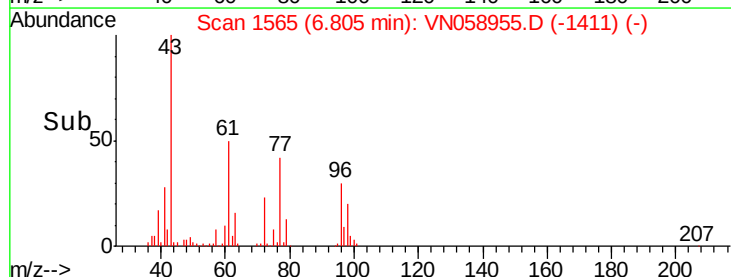
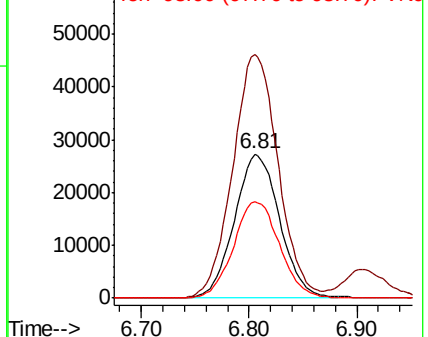
96 100

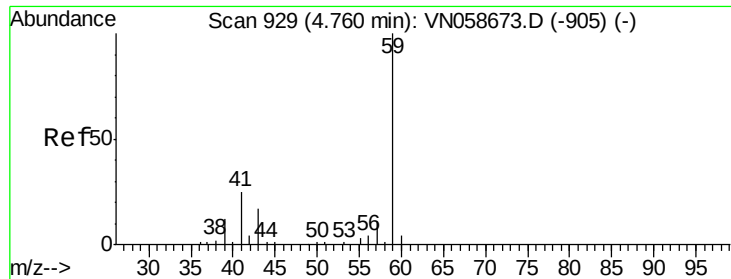
61 169.9 127.2 190.8

98 68.1 50.5 75.7



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

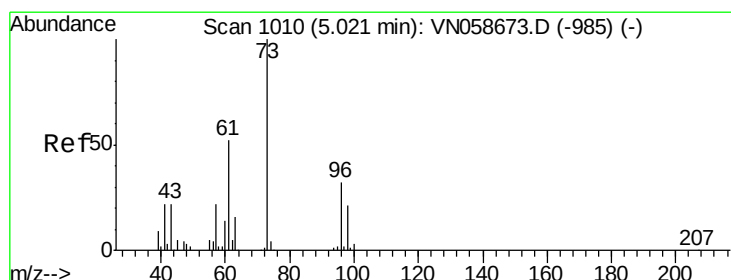
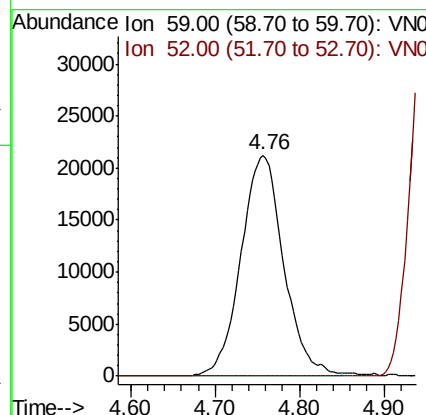
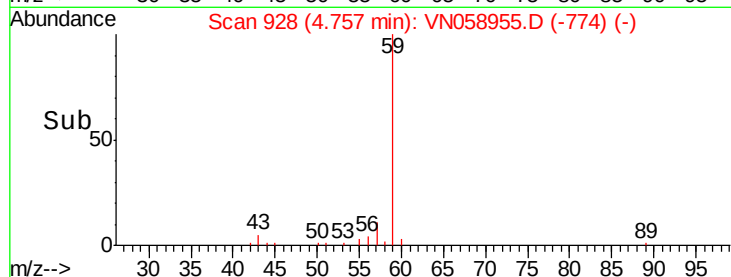
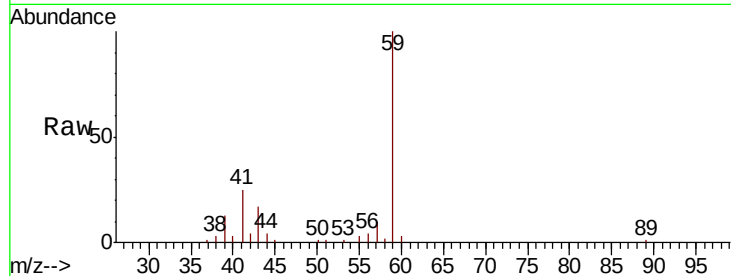




#23
 tert-Butyl Alcohol
 Concen: 96.129 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

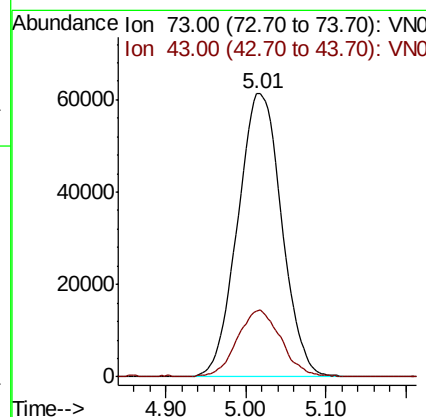
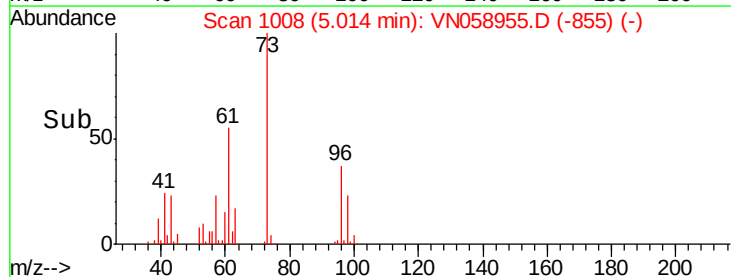
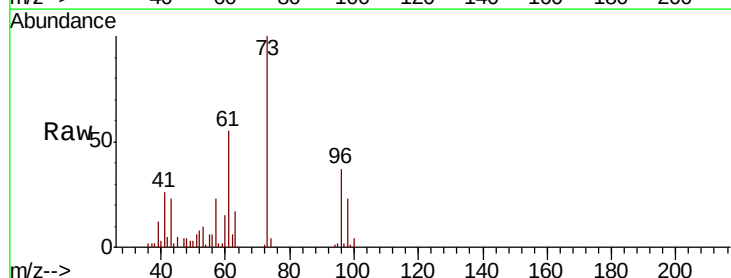
Instrument :
 MSVOA_N
 ClientSampleId :

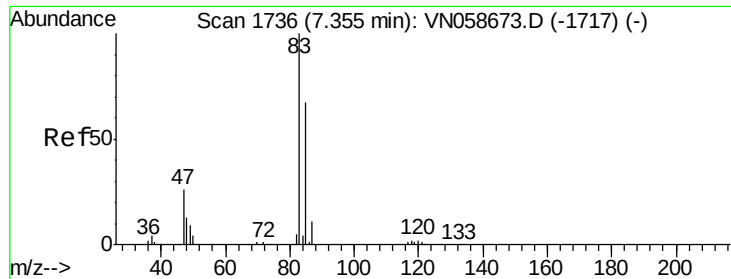
Tot Ion: 59 Resp: 74713
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



#24
 Methyl tert-Butyl Ether
 Concen: 20.431 ug/l
 RT: 5.01 min Scan# 1008
 Delta R.T. -0.01 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

Tgt Ion: 73 Resp: 229745
 Ion Ratio Lower Upper
 73 100
 43 23.6 17.9 26.9

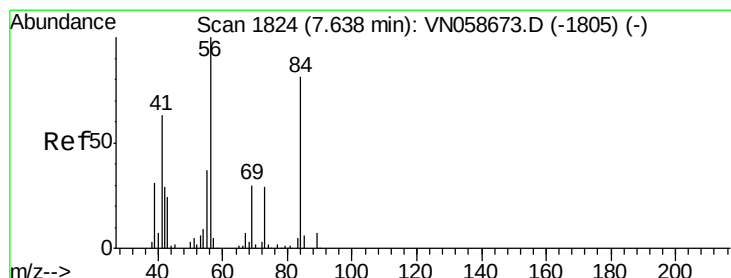
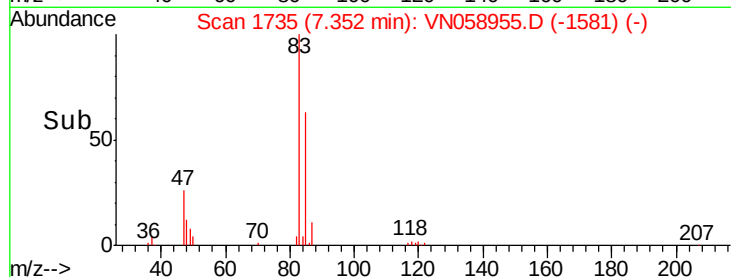
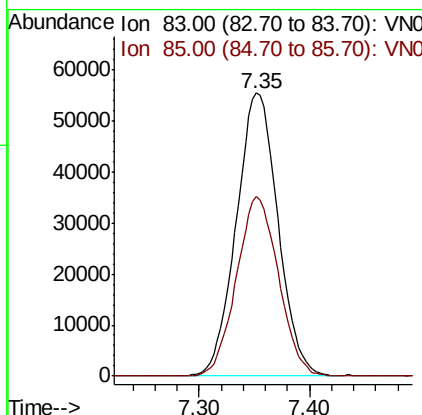
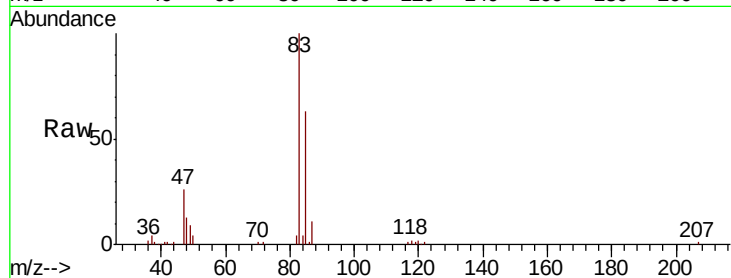




#25
Chloroform
Concen: 21.532 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

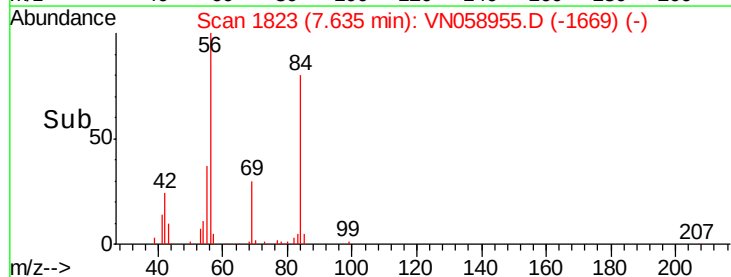
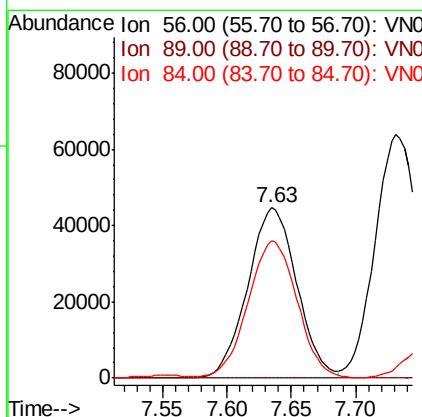
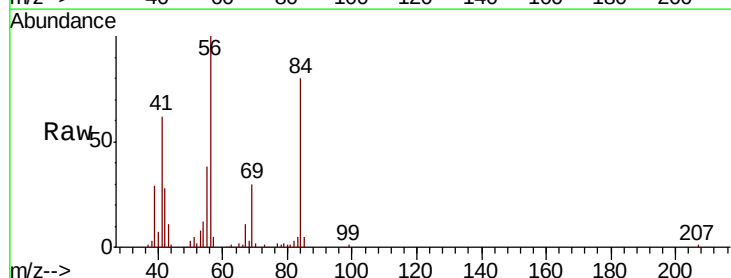
Instrument :
MSVOA_N
ClientSampleId :

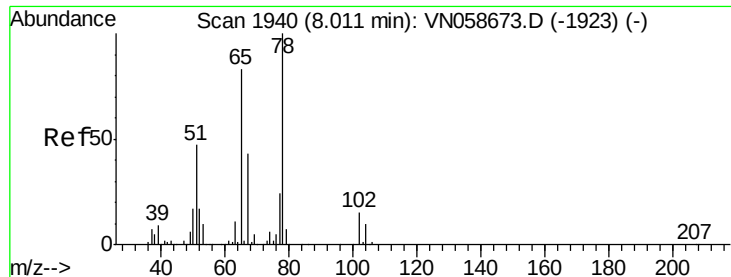
Tot Ion: 83 Resp: 145353
Ion Ratio Lower Upper
83 100
85 63.3 53.8 80.8



#26
Cyclohexane
Concen: 20.009 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Tgt Ion: 56 Resp: 118871
Ion Ratio Lower Upper
56 100
89 0.0 6.2 9.2#
84 80.5 65.6 98.4





#27

1,2-Dichloroethane-d4

Concen: 31.402 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

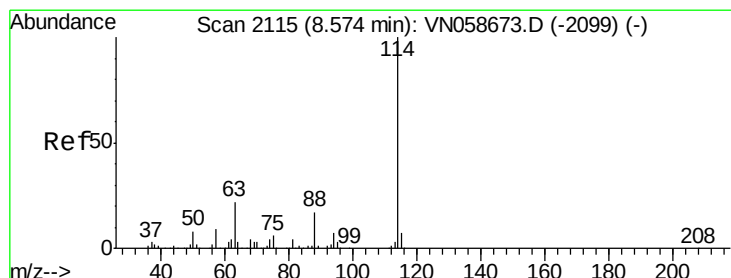
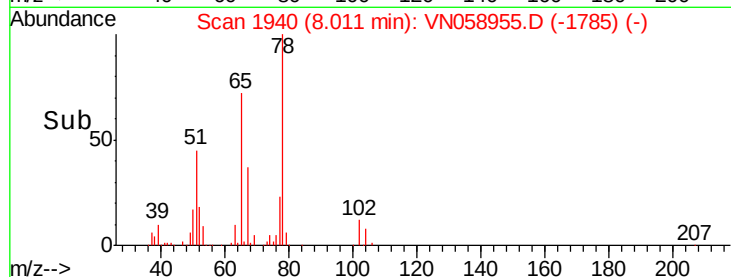
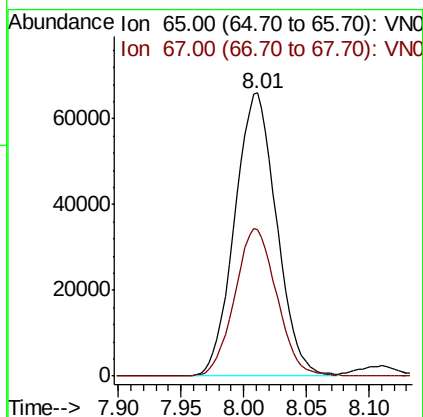
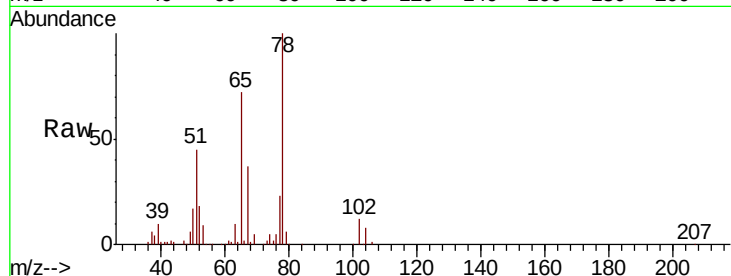
ClientSampleId :

Tot Ion: 65 Resp: 153537

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# 2114

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

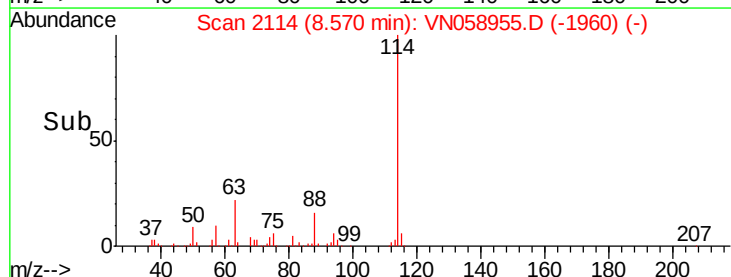
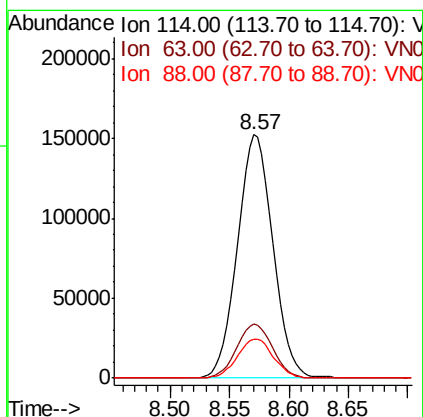
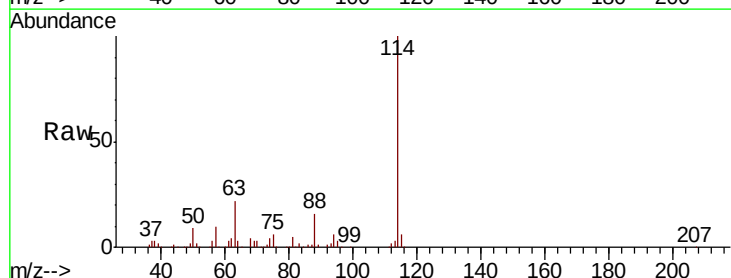
Tgt Ion: 114 Resp: 314561

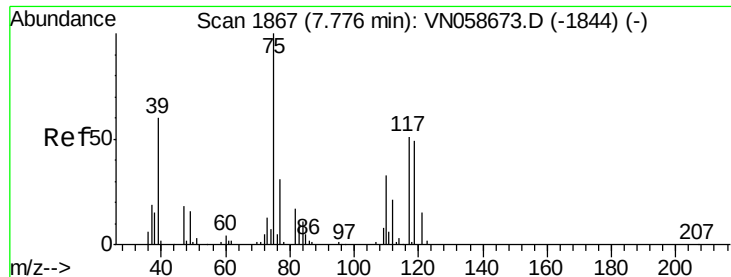
Ion Ratio Lower Upper

114 100

63 22.6 18.1 27.1

88 16.4 13.0 19.4

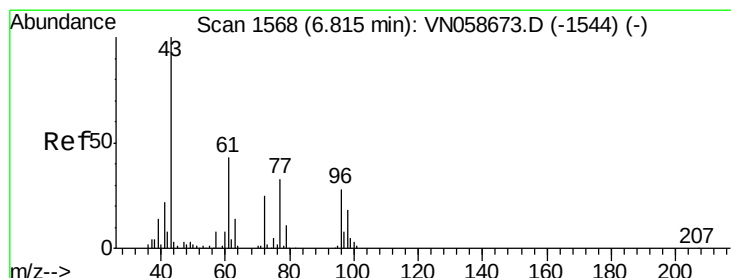
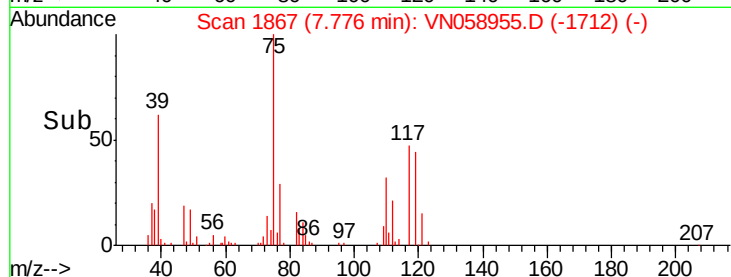
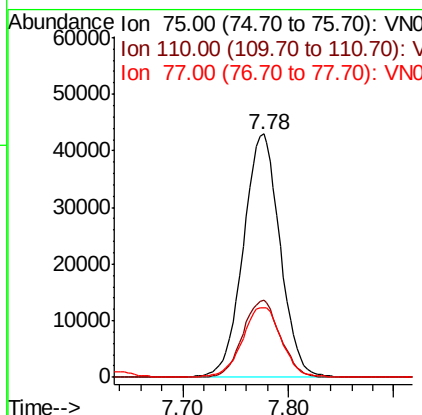
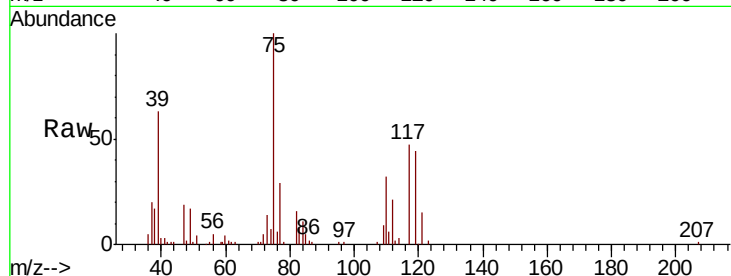




#29
 1,1-Dichloropropene
 Concen: 21.061 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

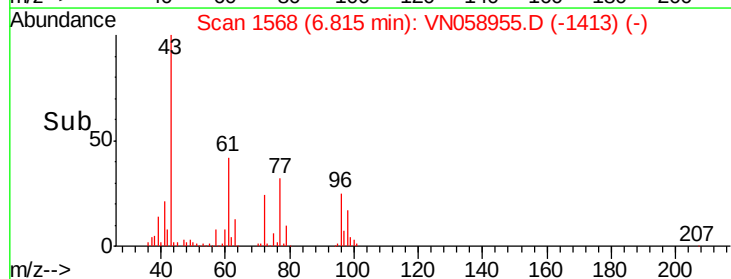
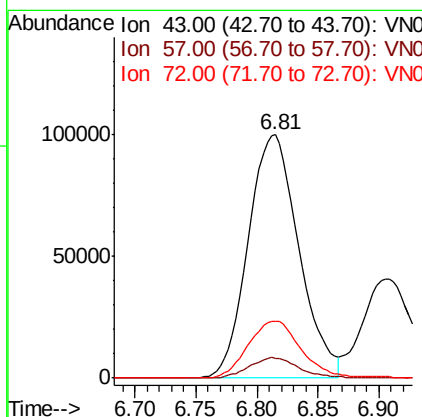
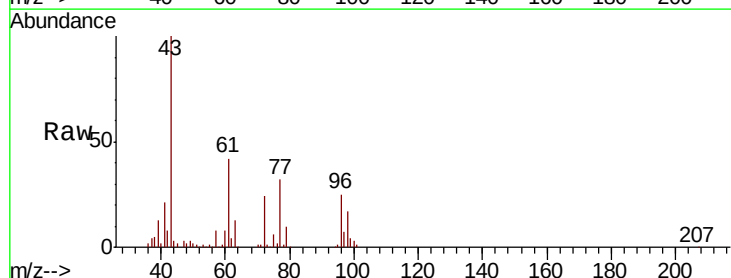
Instrument :
 MSVOA_N
 ClientSampled :

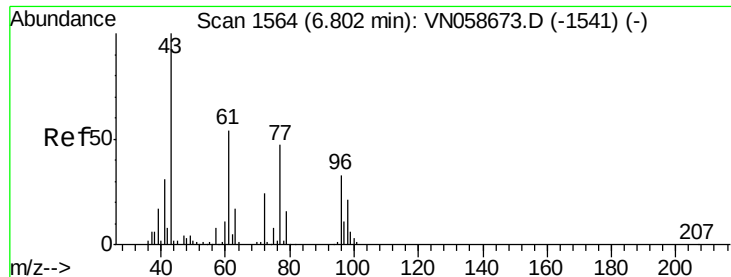
Tot Ion	75	Resp	104286
Ion Ratio	Lower	Upper	
75	100		
110	32.0	0.0	64.6
77	30.5	0.0	60.8



#30
 2-Butanone
 Concen: 102.780 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

Tgt Ion	43	Resp	287596
Ion Ratio	Lower	Upper	
43	100		
57	8.2	6.5	9.7
72	24.3	20.1	30.1

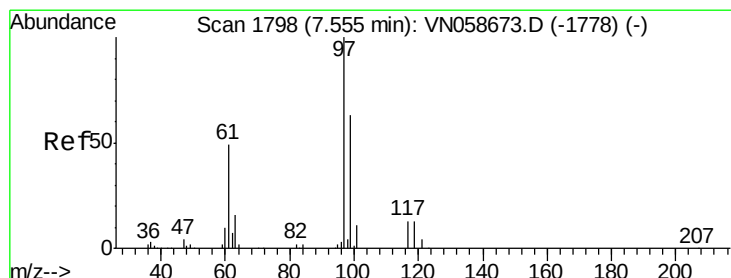
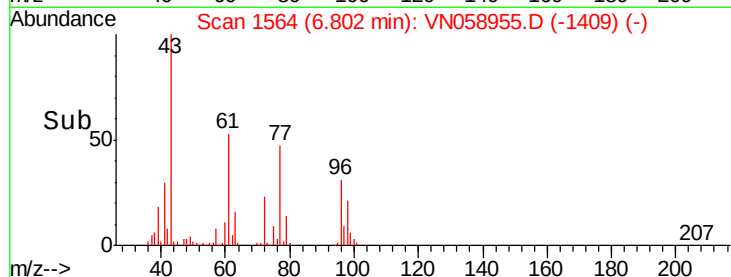
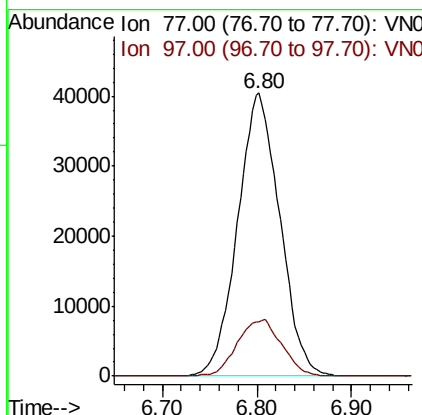
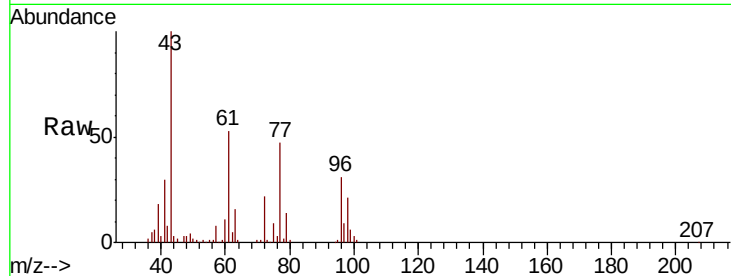




#31
 2,2-Dichloropropane
 Concen: 21.427 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

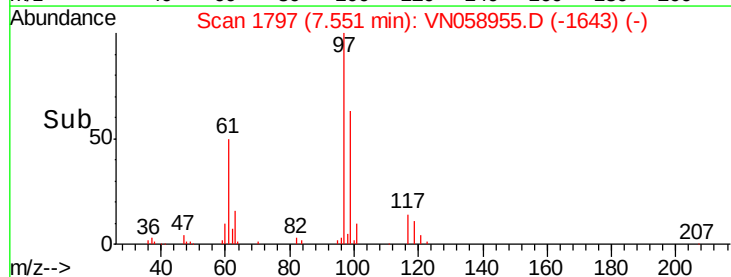
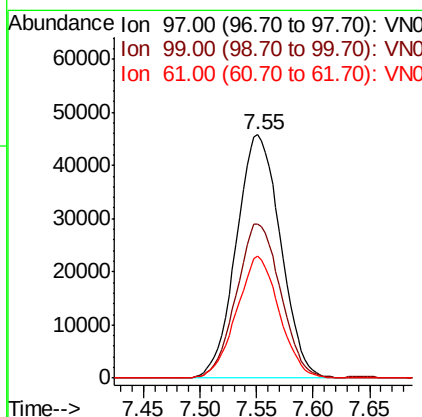
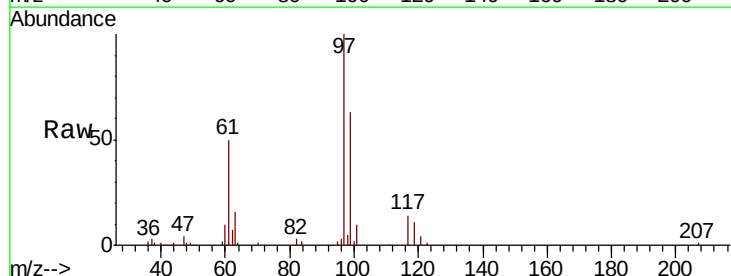
Instrument :
 MSVOA_N
 ClientSampled :

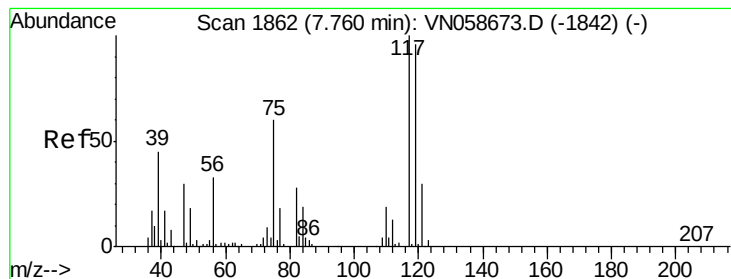
Tot Ion: 77 Resp: 125052
 Ion Ratio Lower Upper
 77 100
 97 0.0 17.9 26.9#



#32
 1,1,1-Trichloroethane
 Concen: 21.770 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

Tgt Ion: 97 Resp: 124677
 Ion Ratio Lower Upper
 97 100
 99 63.3 51.3 76.9
 61 48.2 38.4 57.6





#33

Carbon Tetrachloride

Concen: 21.746 ug/l

RT: 7.76 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

ClientSampled :

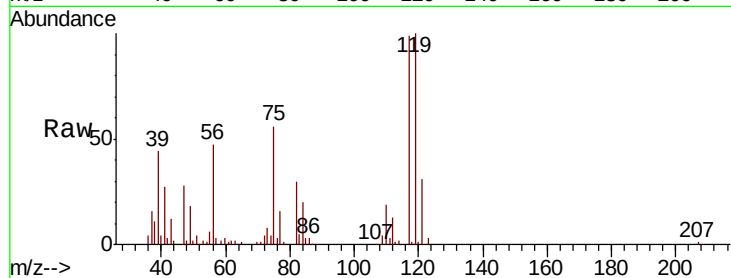
Tot Ion:117 Resp: 107800

Ion Ratio Lower Upper

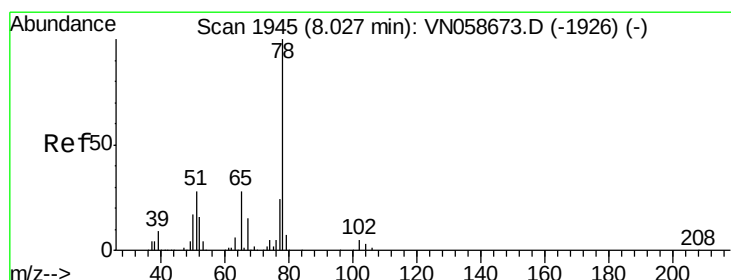
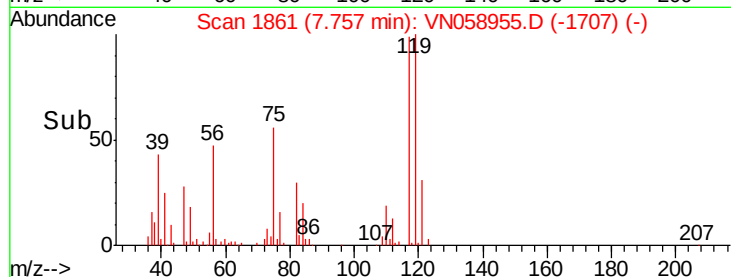
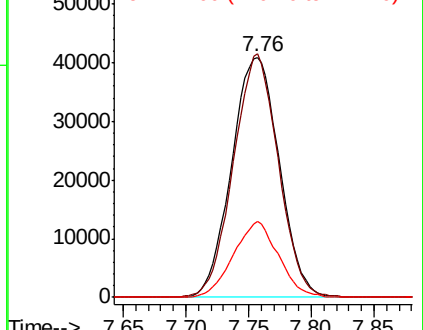
117 100

119 101.0 76.9 115.3

121 31.5 23.8 35.8



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 21.834 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

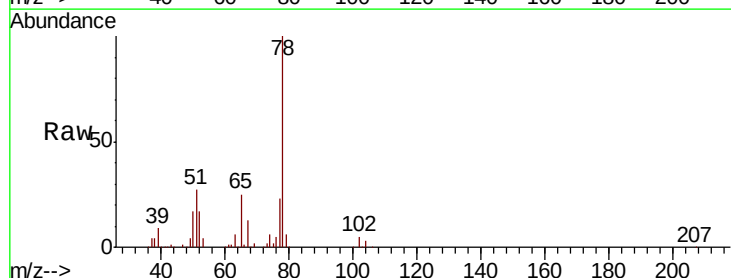
Tgt Ion: 78 Resp: 318292

Ion Ratio Lower Upper

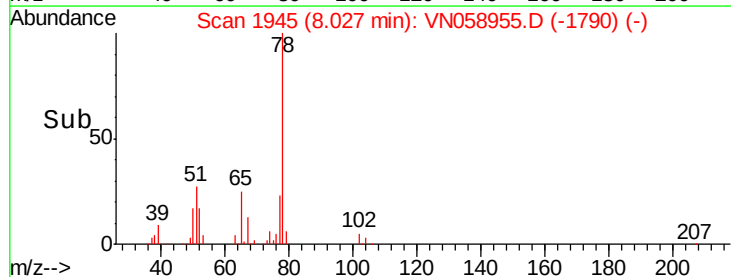
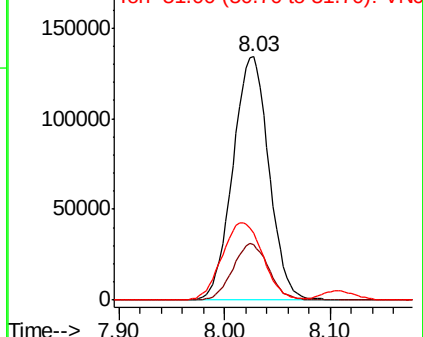
78 100

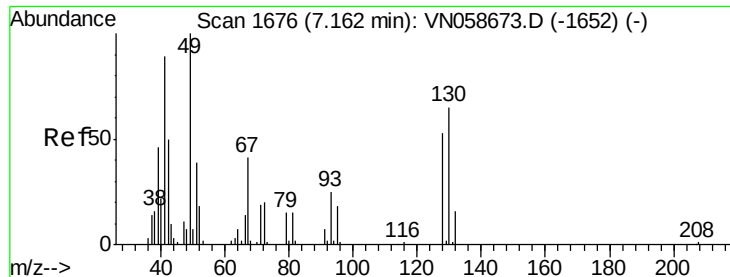
77 22.6 19.2 28.8

51 27.1 22.1 33.1



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

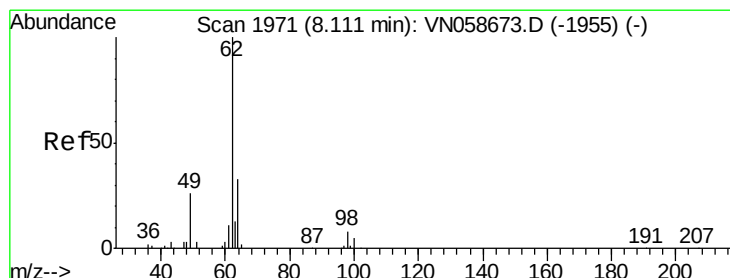
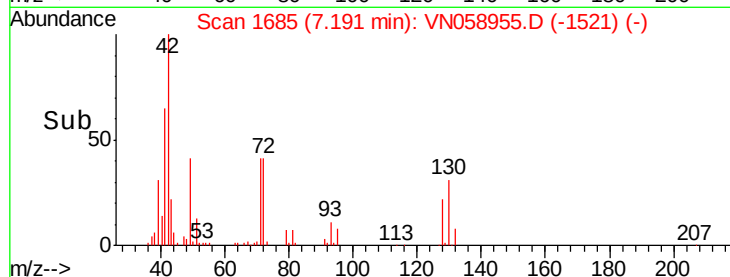
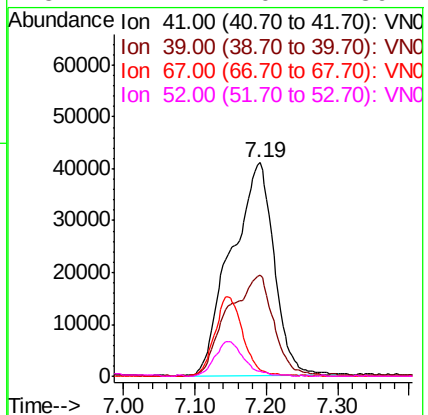
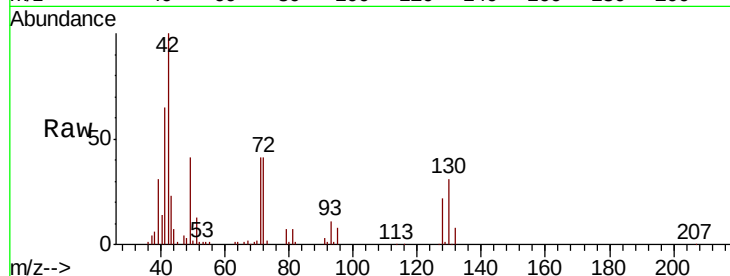




#35
Methacrylonitrile
Concen: 69.660 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.03 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

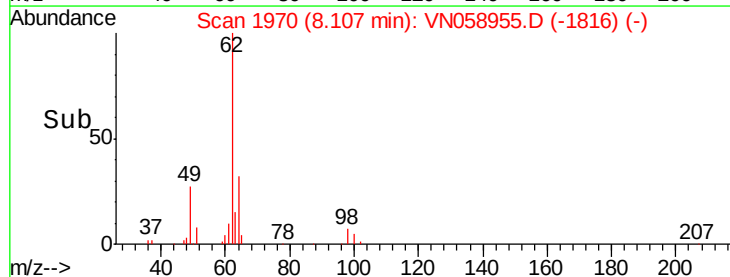
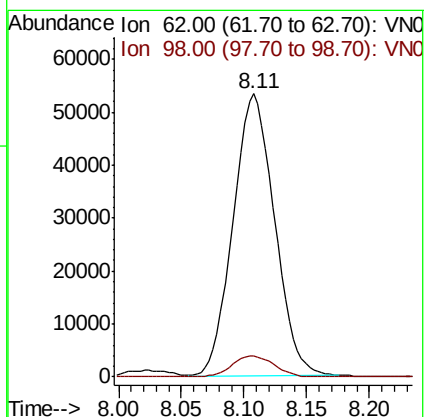
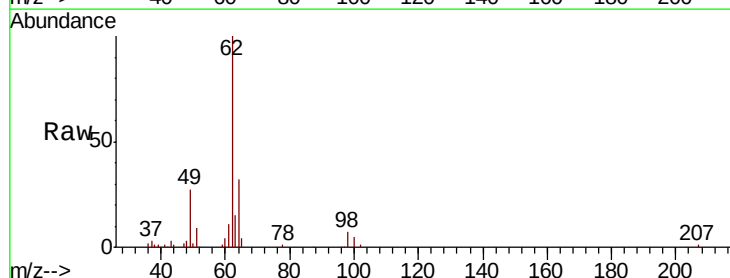
Instrument :
MSVOA_N
ClientSampleId :

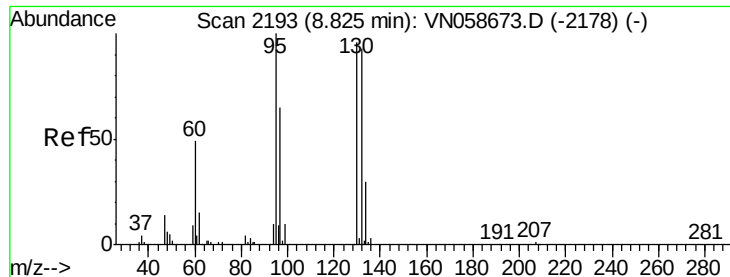
Tot Ion: 41 Resp: 172192
Ion Ratio Lower Upper
41 100
39 47.8 25.8 77.4
67 3.2 23.0 69.0#
52 2.2 10.1 30.1#



#36
1,2-Dichloroethane
Concen: 21.963 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Tgt Ion: 62 Resp: 122415
Ion Ratio Lower Upper
62 100
98 7.6 6.4 9.6





#37

Trichloroethene

Concen: 20.970 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

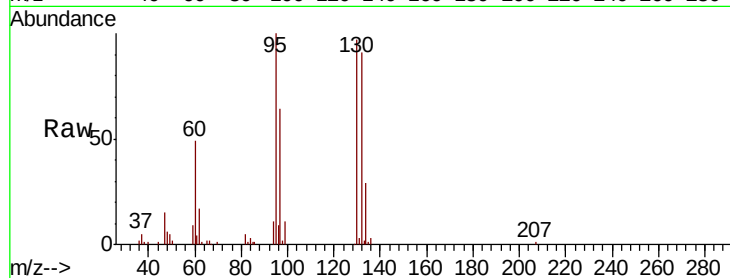
ClientSampleId :

Tot Ion:130 Resp: 75102

Ion Ratio Lower Upper

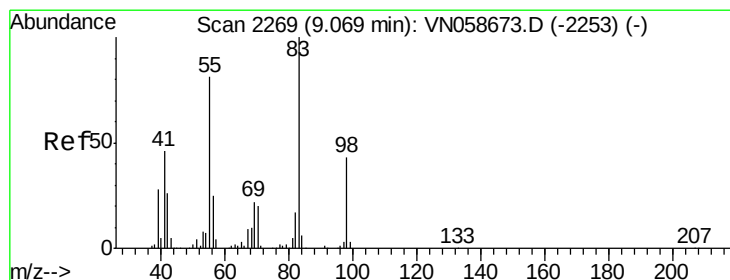
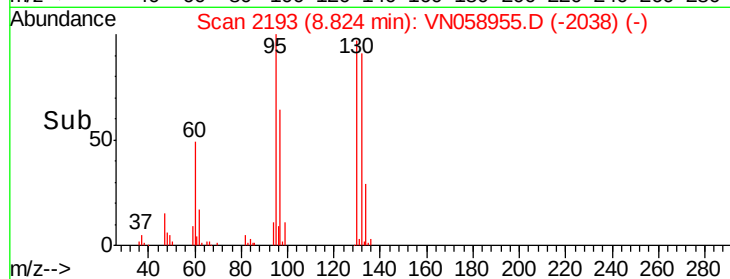
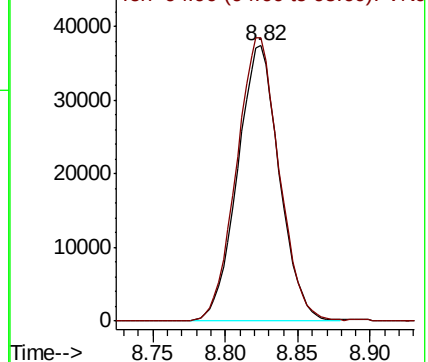
130 100

95 102.7 83.2 124.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 19.383 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

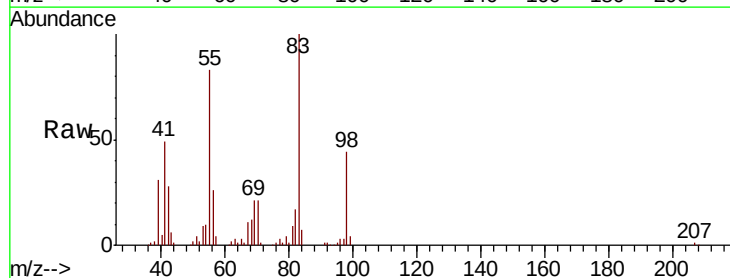
Tgt Ion: 83 Resp: 111277

Ion Ratio Lower Upper

83 100

55 84.2 40.4 121.1

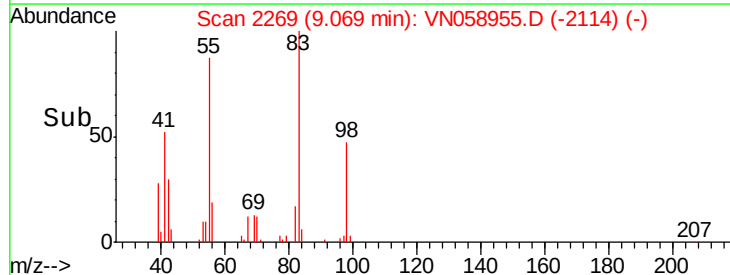
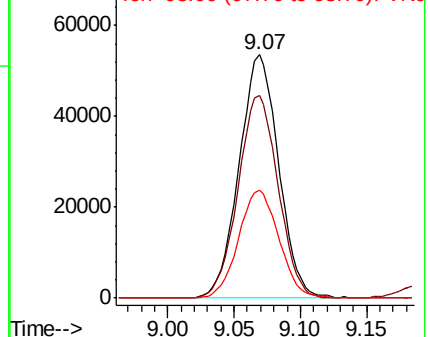
98 45.2 21.6 65.0

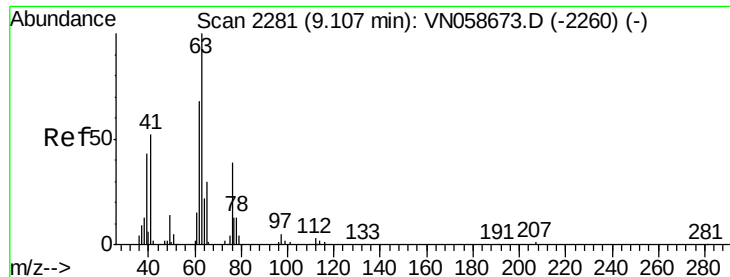


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

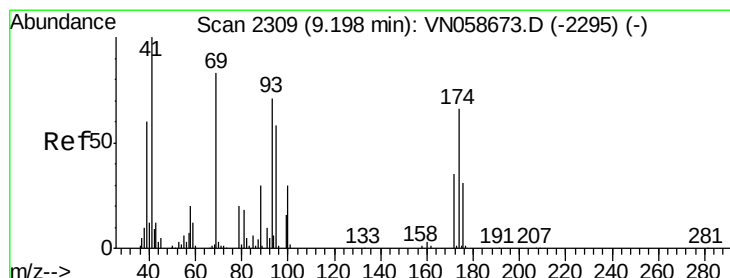
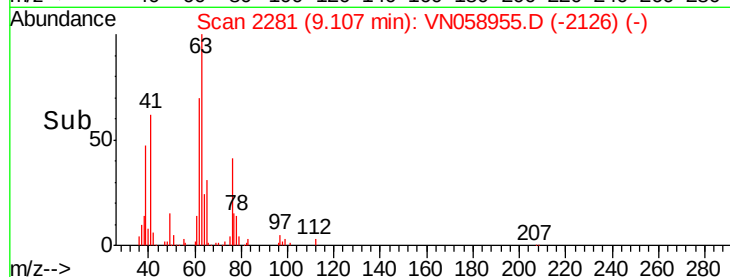
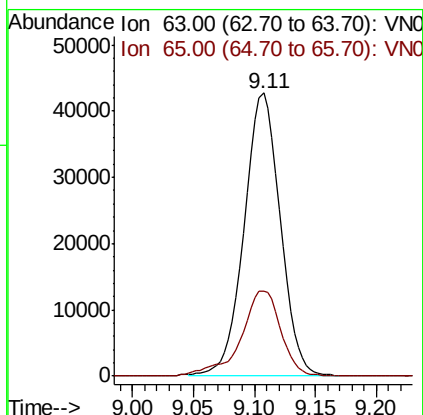
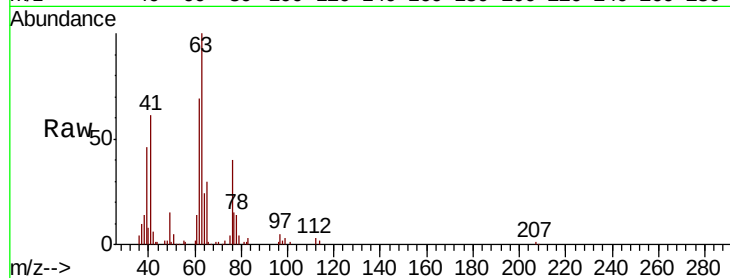




#39
 1,2-Dichloropropane
 Concen: 21.966 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

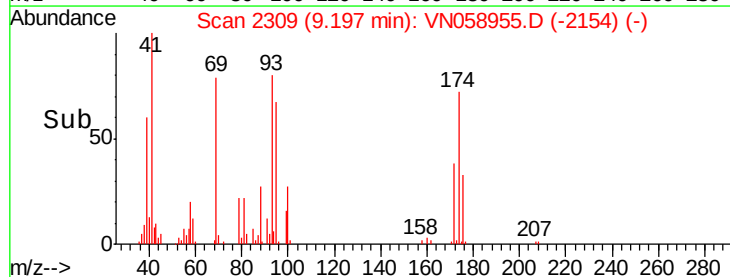
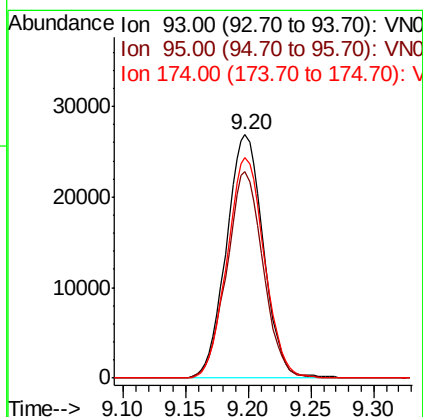
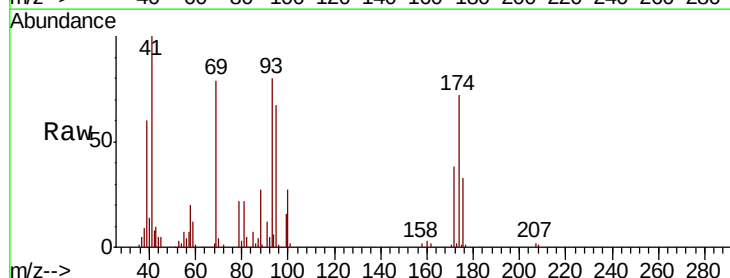
Instrument :
 MSVOA_N
 ClientSampled :

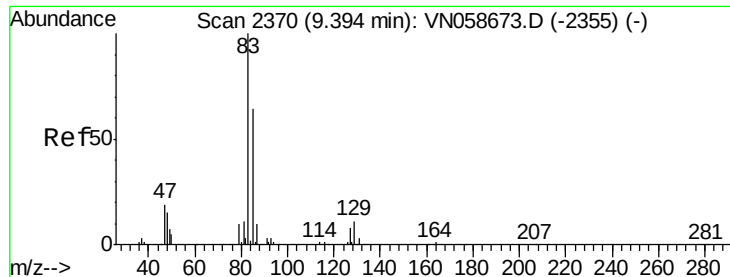
Tot Ion: 63 Resp: 87508
 Ion Ratio Lower Upper
 63 100
 65 30.2 23.8 35.6



#40
 Dibromomethane
 Concen: 21.882 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

Tgt Ion: 93 Resp: 55033
 Ion Ratio Lower Upper
 93 100
 95 83.1 0.0 167.6
 174 91.2 0.0 187.2





#41

Bromodichloromethane

Concen: 22.165 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

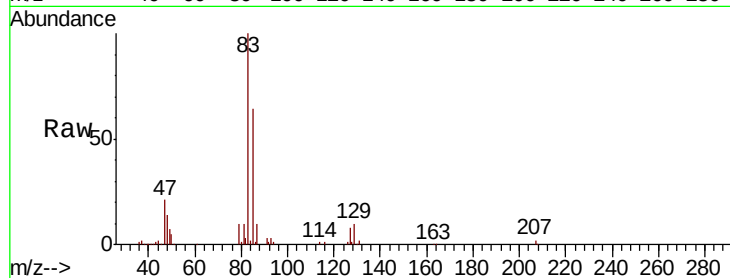
Tot Ion: 83 Resp: 113879

Ion Ratio Lower Upper

83 100

85 63.9 51.0 76.4

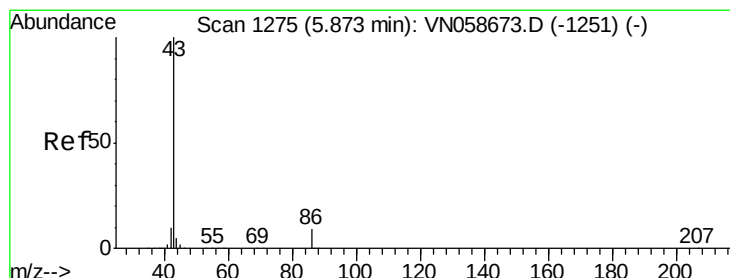
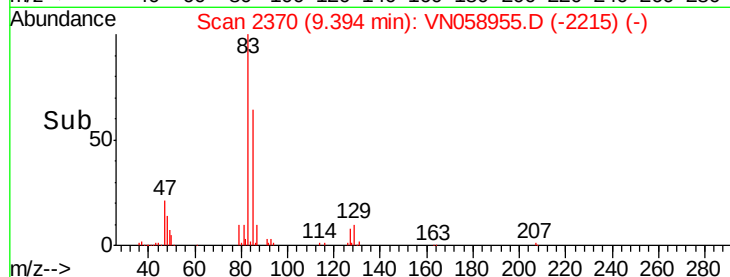
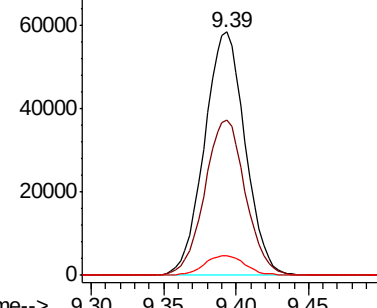
127 7.9 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN058673.D (-2355) (-)

Ion 85.00 (84.70 to 85.70): VN058673.D (-2355) (-)

Ion 127.00 (126.70 to 127.70): VN058673.D (-2355) (-)



#42

Vinyl Acetate

Concen: 110.585 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058955.D

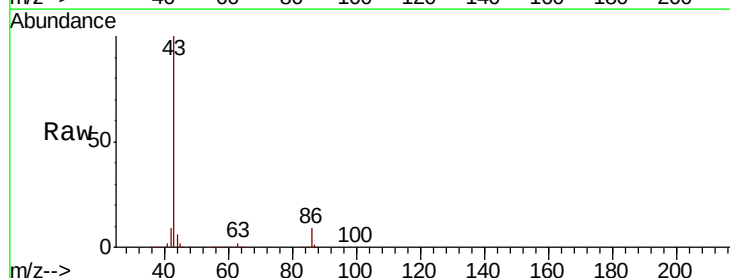
Acq: 24 Oct 2019 13:00

Tgt Ion: 43 Resp: 1083718

Ion Ratio Lower Upper

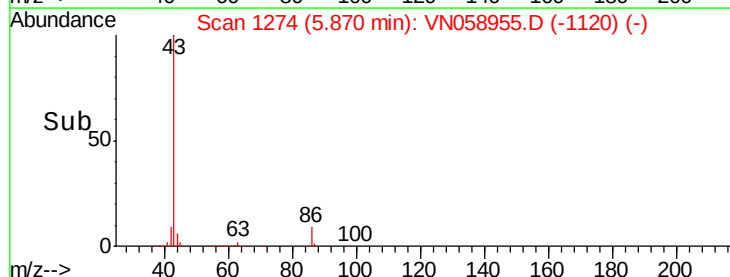
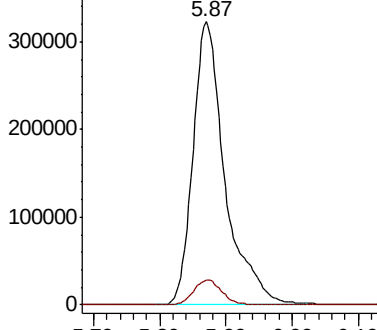
43 100

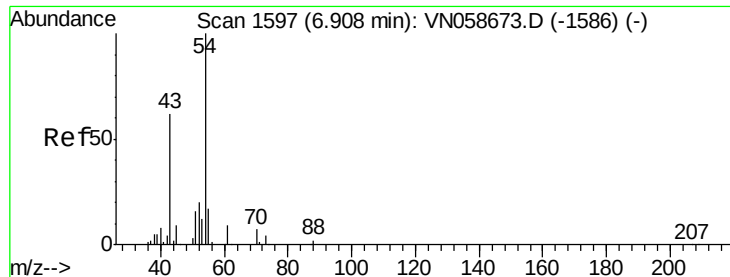
86 7.8 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN058673.D (-1251) (-)

Ion 86.00 (85.70 to 86.70): VN058673.D (-1251) (-)

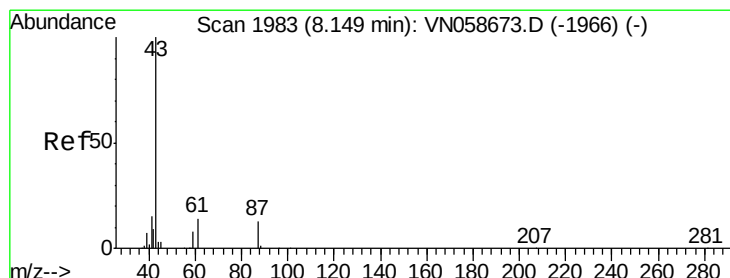
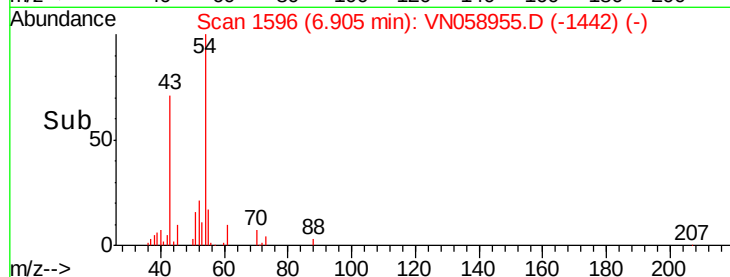
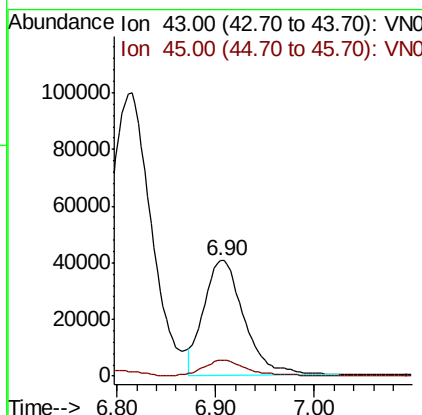
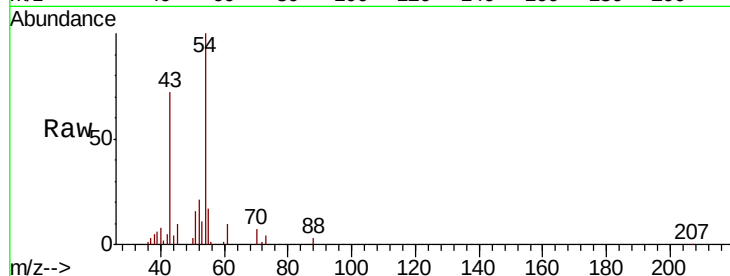




#43
Ethyl Acetate
Concen: 20.897 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

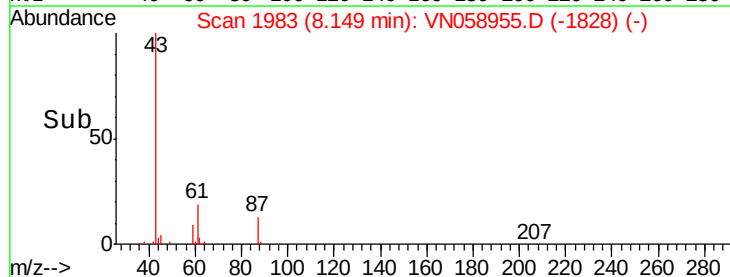
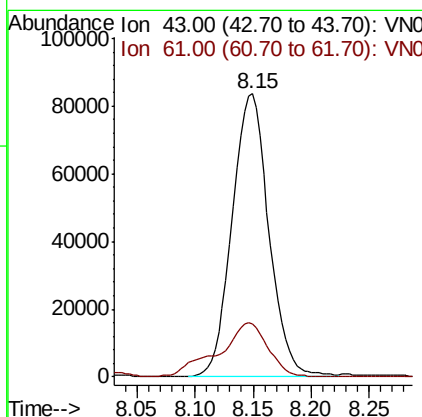
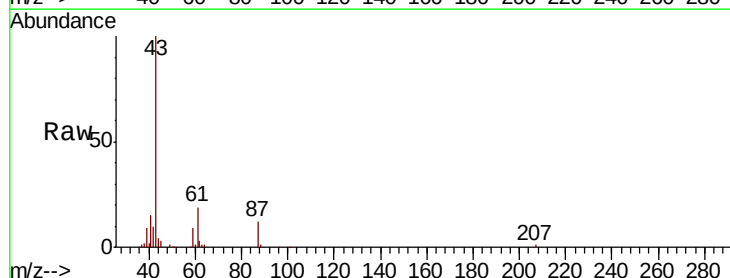
Instrument :
MSVOA_N
ClientSampled :

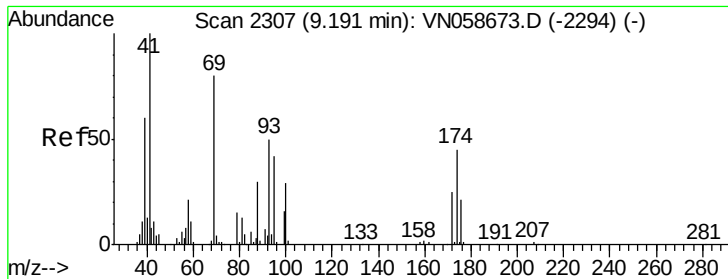
Tot Ion: 43 Resp: 114767
Ion Ratio Lower Upper
43 100
45 13.8 9.7 14.5



#44
Isopropyl Acetate
Concen: 20.575 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Tgt Ion: 43 Resp: 183040
Ion Ratio Lower Upper
43 100
61 25.8 19.9 29.9



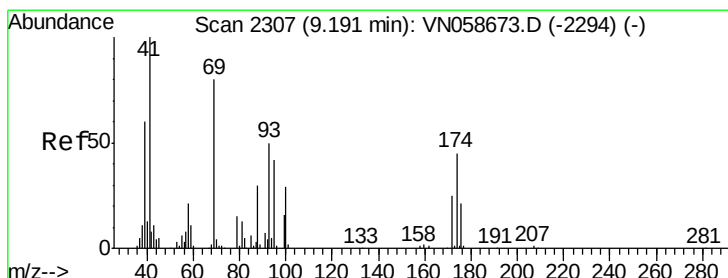
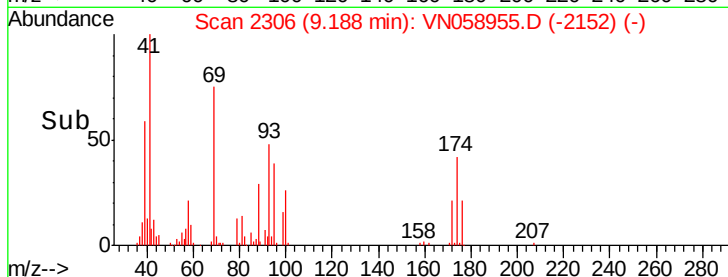
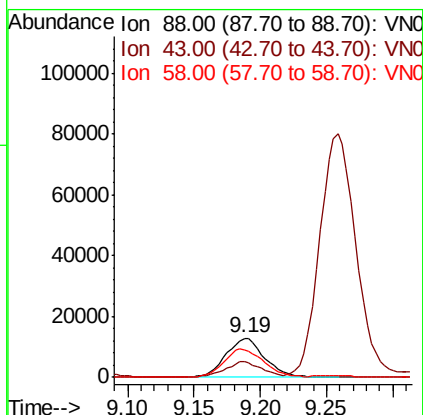
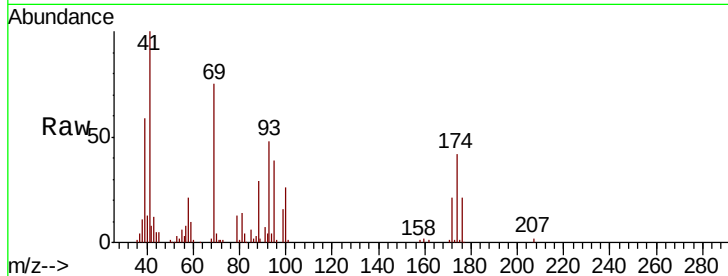


#45
 1,4-Dioxane
 Concen: 385.326 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 26322

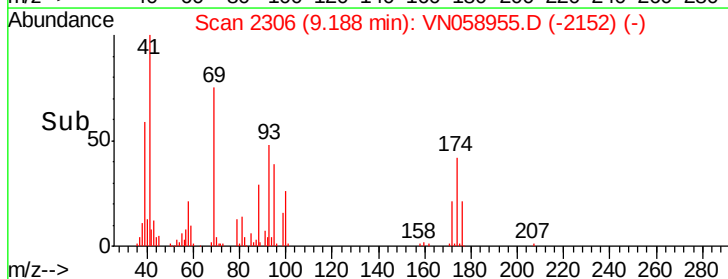
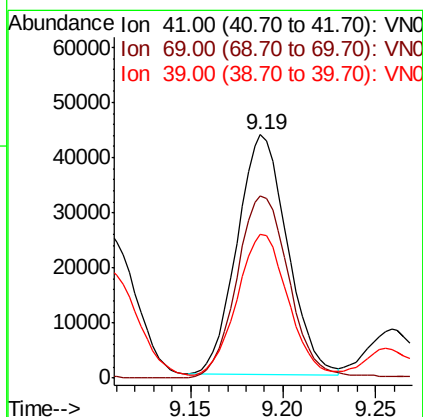
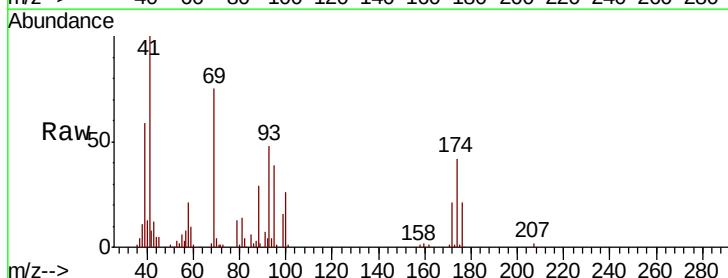
Ion	Ratio	Lower	Upper
88	100		
43	37.1	29.8	44.8
58	73.9	58.2	87.4

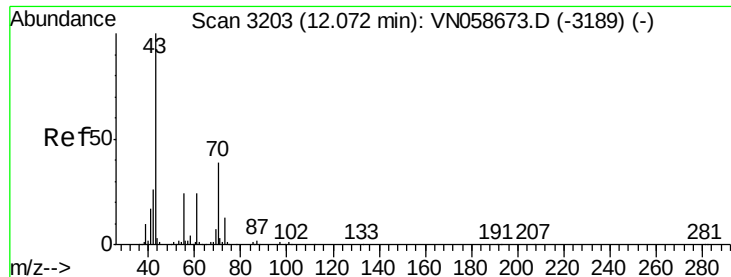


#46
 Methyl methacrylate
 Concen: 20.100 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

Tgt Ion: 41 Resp: 82088

Ion	Ratio	Lower	Upper
41	100		
69	76.2	40.2	120.5
39	59.0	29.9	89.8





#47

n-amvl Acetate

Concen: 18.292 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

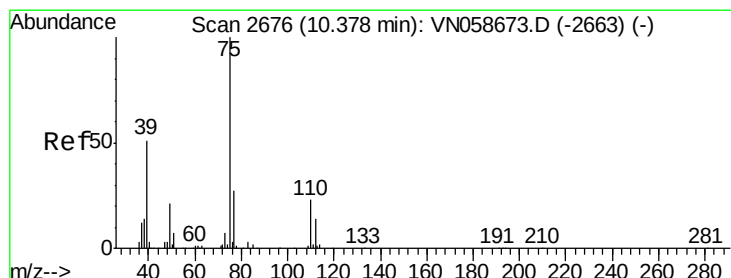
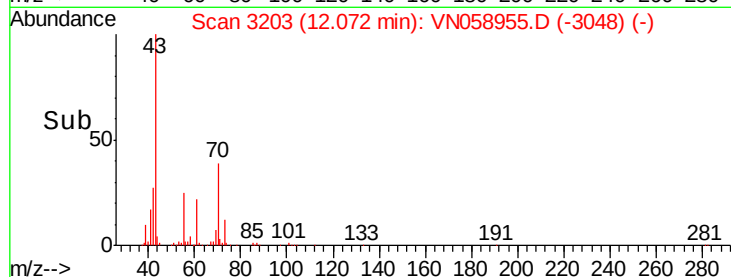
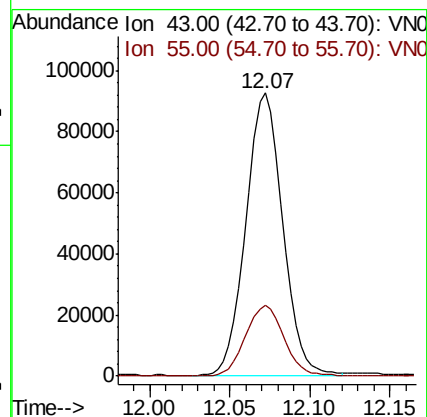
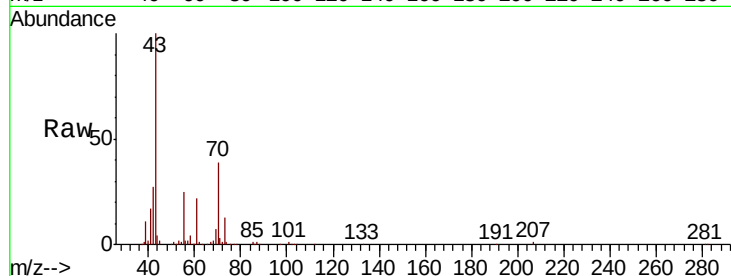
ClientSampleId :

Tot Ion: 43 Resp: 144252

Ion Ratio Lower Upper

43 100

55 26.5 19.6 29.4



#48

t-1,3-Dichloropropene

Concen: 20.409 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058955.D

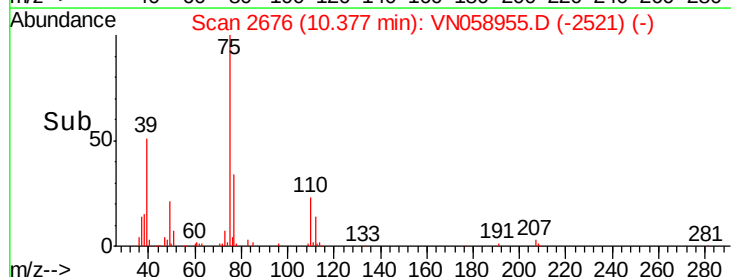
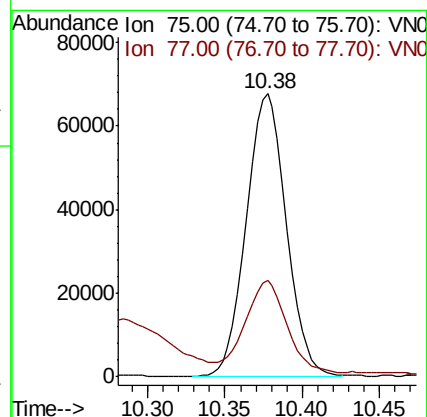
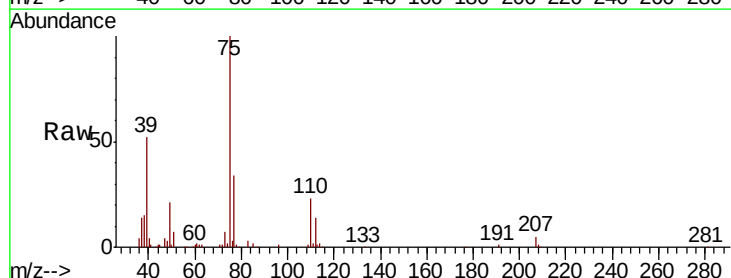
Acq: 24 Oct 2019 13:00

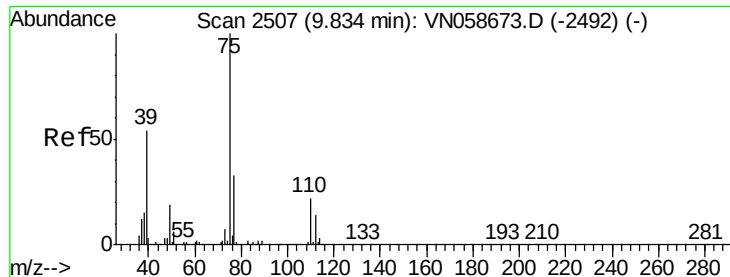
Tgt Ion: 75 Resp: 121613

Ion Ratio Lower Upper

75 100

77 32.4 27.0 40.4



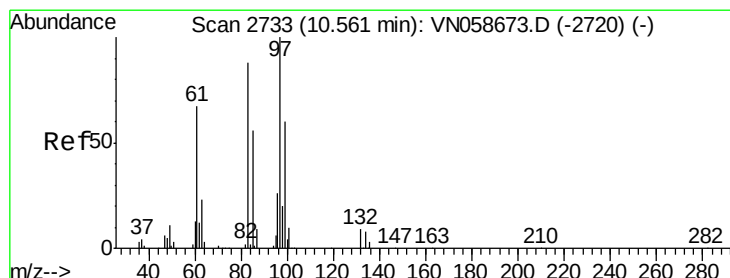
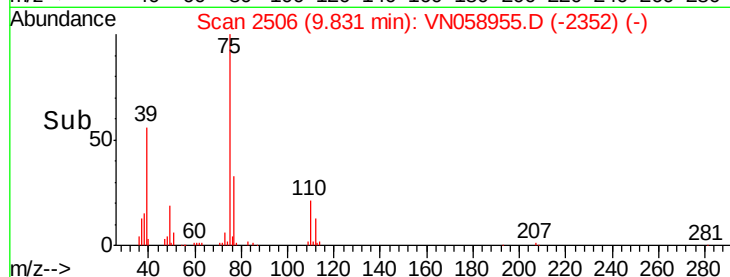
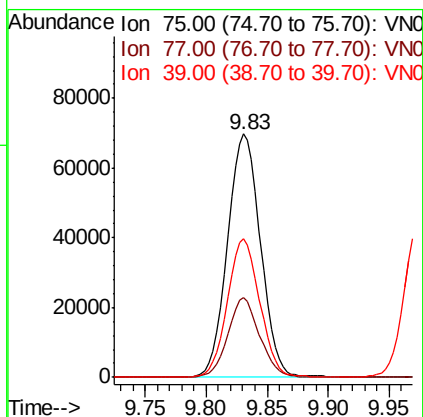
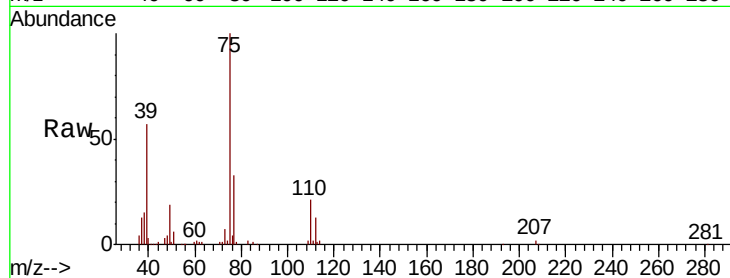


#49

cis-1,3-Dichloropropene
Concen: 21.027 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Instrument :
MSVOA_N
ClientSampleId :

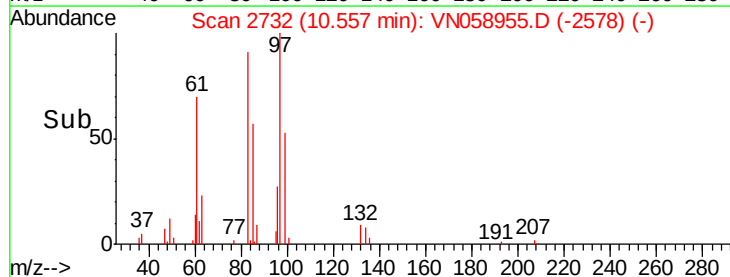
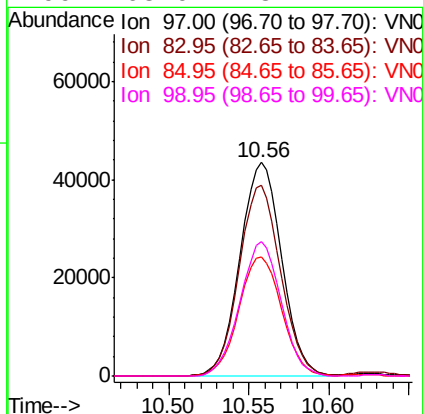
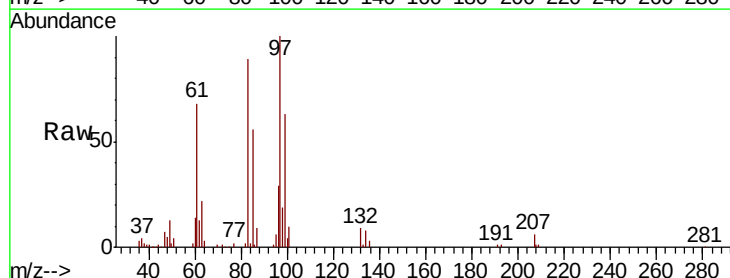
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.1	39.1
39	56.9	43.1	64.7

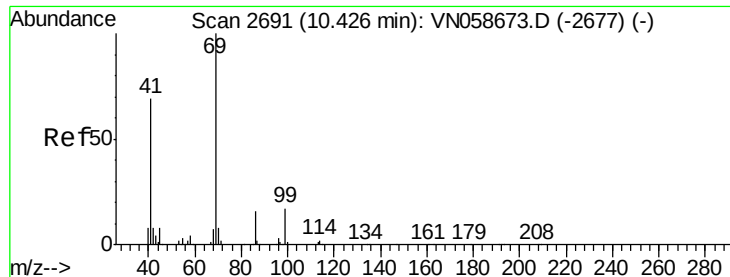


#50

1,1,2-Trichloroethane
Concen: 21.629 ug/l
RT: 10.56 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.5	70.7	106.1
85	55.6	45.1	67.7
99	63.0	48.2	72.4





#51

Ethyl methacrylate

Concen: 18.957 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

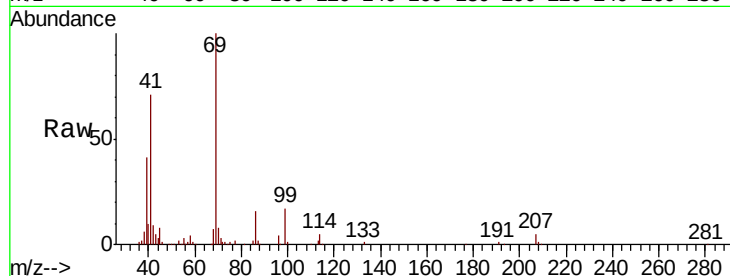
Tot Ion: 69 Resp: 108827

Ion Ratio Lower Upper

69 100

41 70.8 34.7 104.1

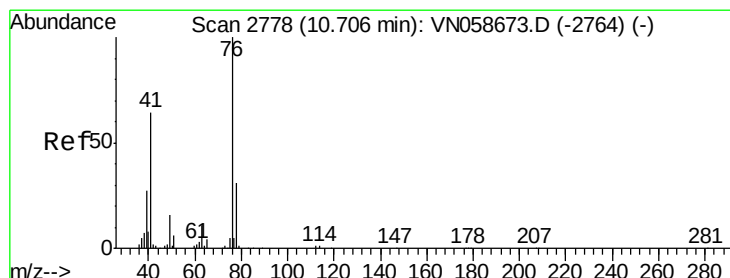
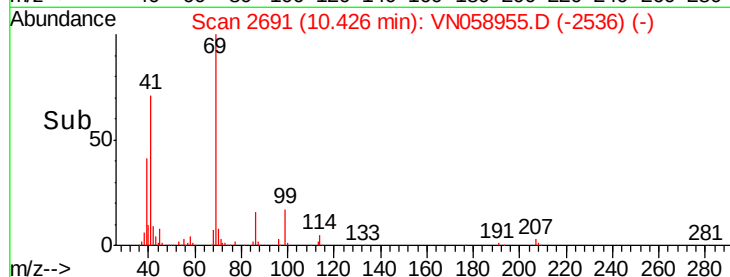
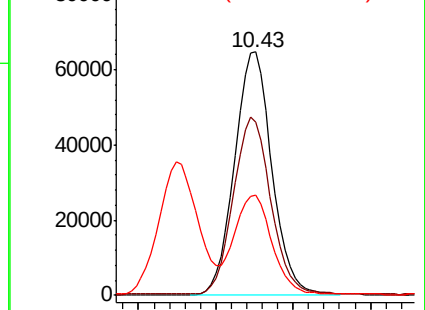
39 40.2 20.3 60.8



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: 21.006 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN058955.D

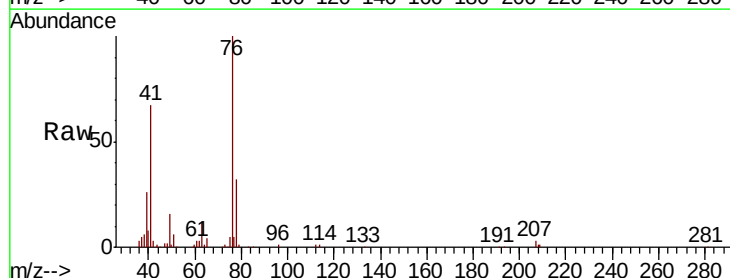
Acq: 24 Oct 2019 13:00

Tgt Ion: 76 Resp: 134310

Ion Ratio Lower Upper

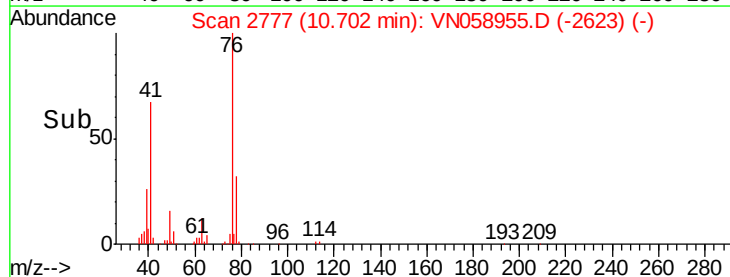
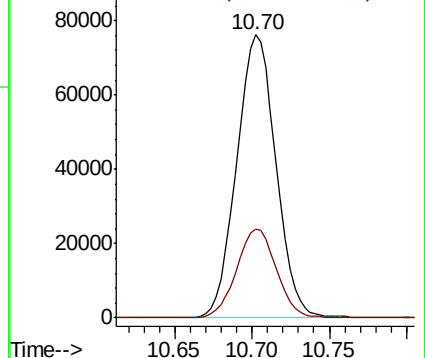
76 100

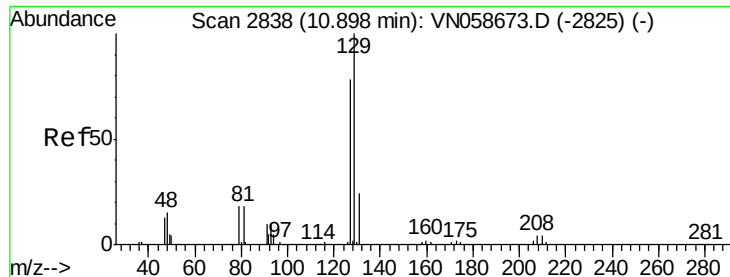
78 32.0 0.0 63.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 21.144 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

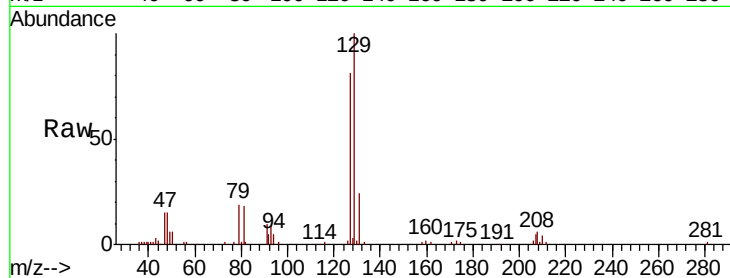
ClientSampleId :

Tot Ion:129 Resp: 81466

Ion Ratio Lower Upper

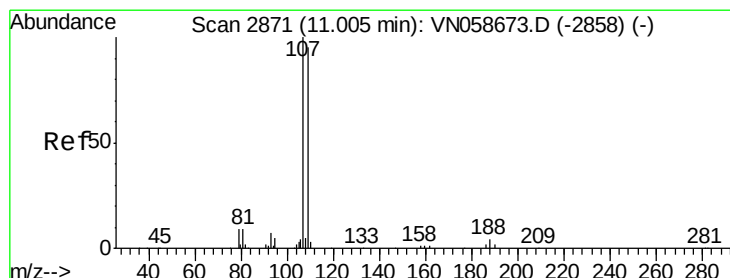
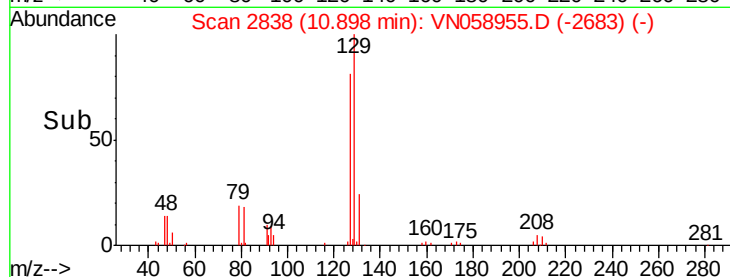
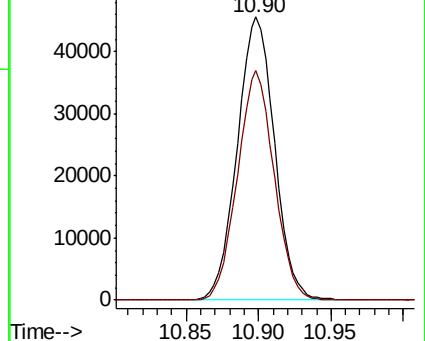
129 100

127 79.5 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: 21.281 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058955.D

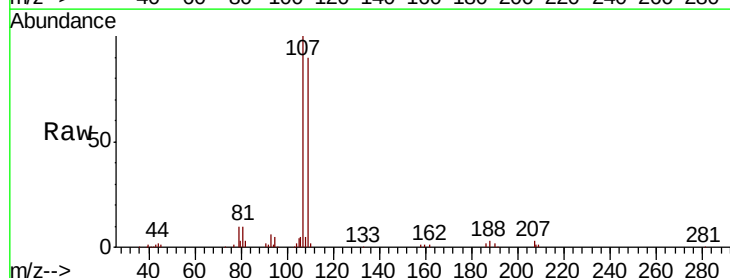
Acq: 24 Oct 2019 13:00

Tgt Ion:107 Resp: 79195

Ion Ratio Lower Upper

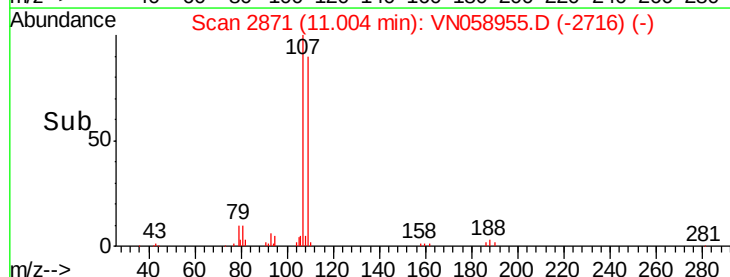
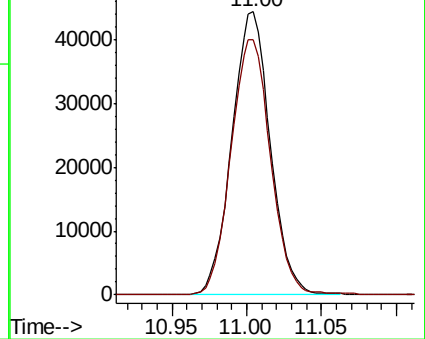
107 100

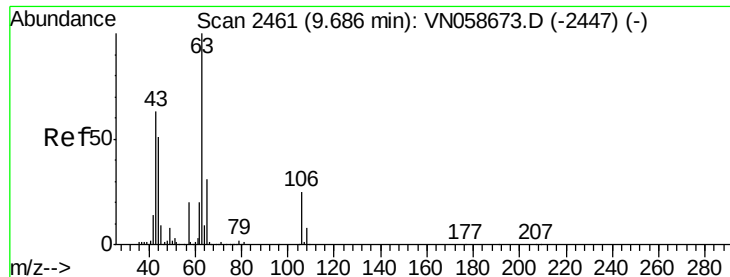
109 93.1 76.2 114.4



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: 94.230 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

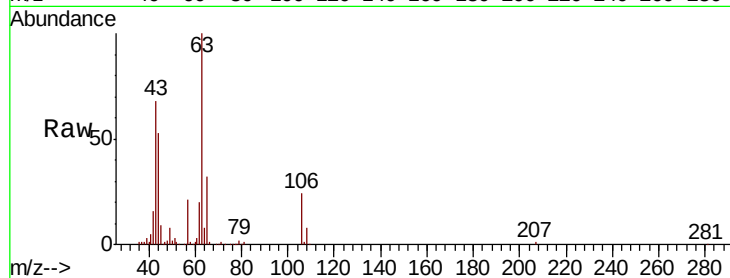
Tot Ion: 63 Resp: 269090

Ion Ratio Lower Upper

63 100

65 31.7 25.3 37.9

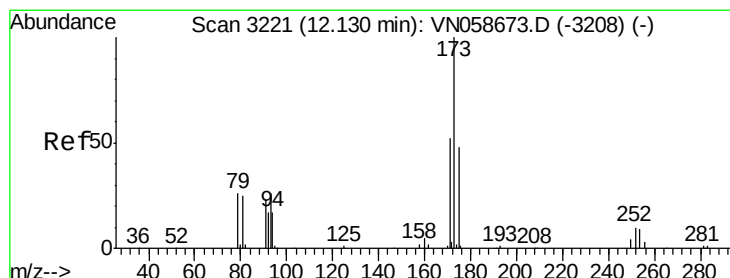
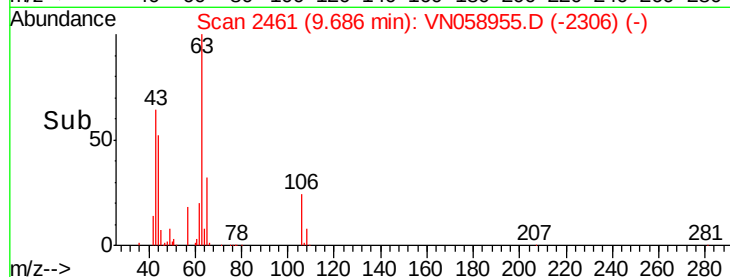
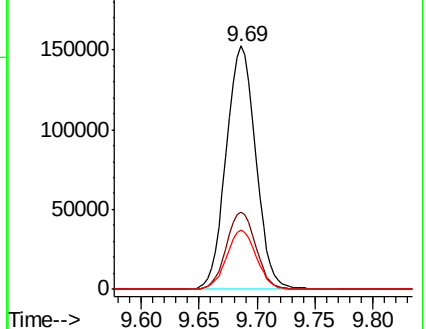
106 24.2 19.8 29.6



Abundance Ion 63.00 (62.70 to 63.70): VN058673.D (-2447) (-)

Ion 65.00 (64.70 to 65.70): VN058673.D (-2447) (-)

Ion 106.00 (105.70 to 106.70): VN058673.D (-2447) (-)



#56

Bromoform

Concen: 21.018 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

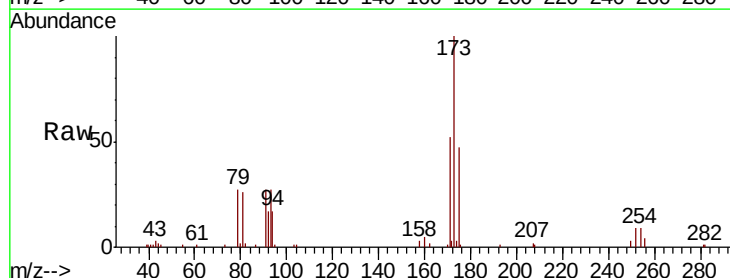
Tgt Ion: 173 Resp: 56412

Ion Ratio Lower Upper

173 100

175 49.3 38.7 58.1

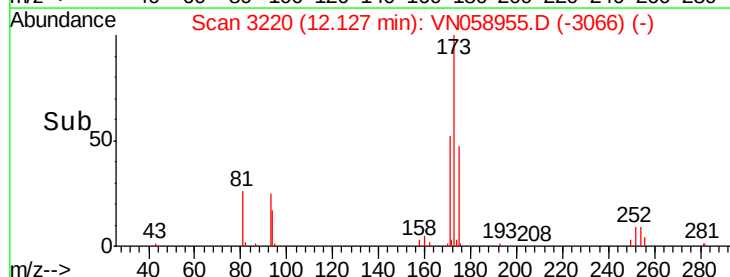
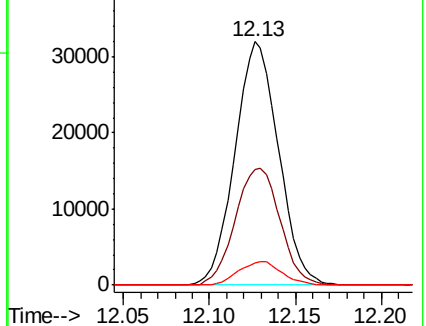
254 9.6 7.4 11.2

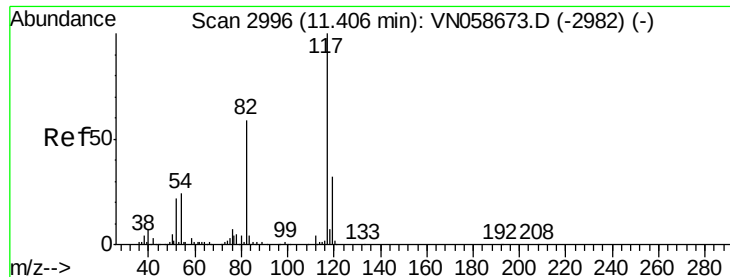


Abundance Ion 173.00 (172.70 to 173.70): VN058673.D (-3208) (-)

Ion 175.00 (174.70 to 175.70): VN058673.D (-3208) (-)

Ion 254.00 (253.70 to 254.70): VN058673.D (-3208) (-)

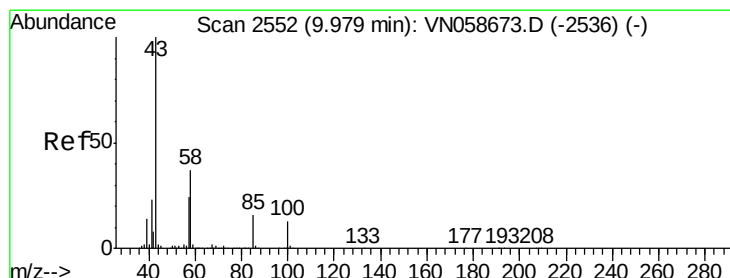
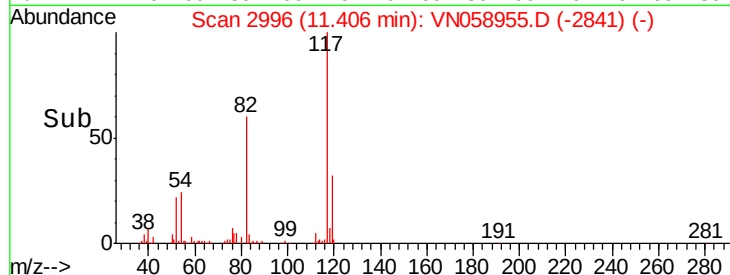
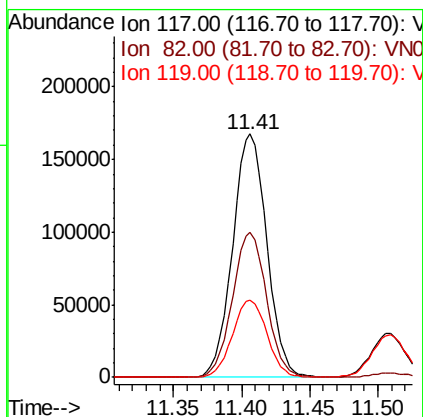
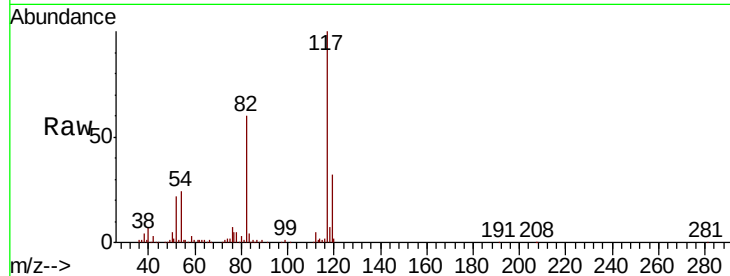




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

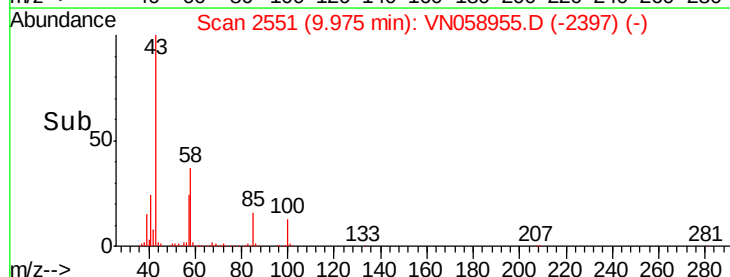
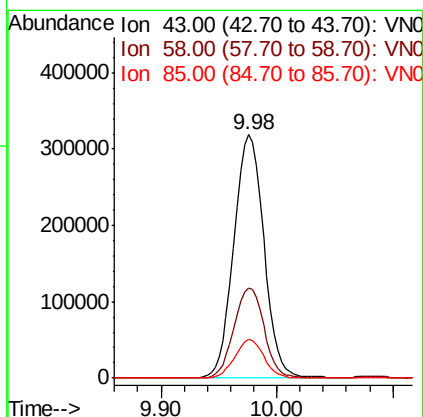
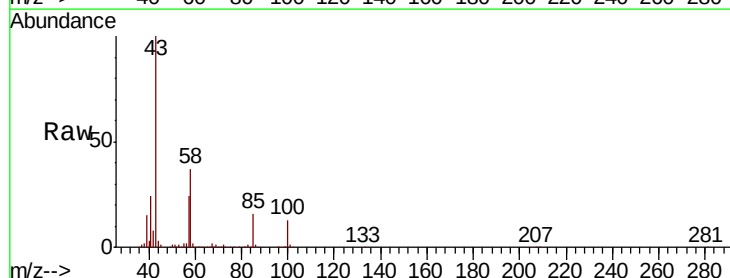
Instrument :
MSVOA_N
ClientSampleId :

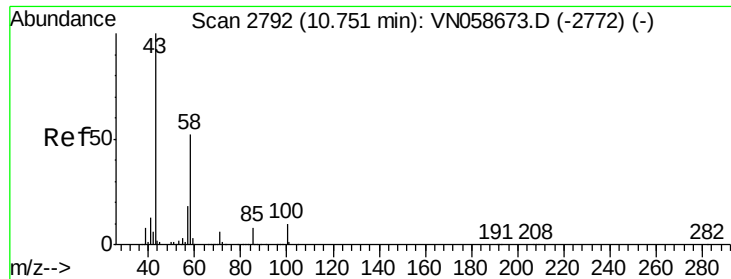
Tot Ion	Ratio	Lower	Upper
117	100		
82	59.3	46.9	70.3
119	32.1	25.8	38.6



#58
4-Methyl-2-Pentanone
Concen: 108.054 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.1	30.1	45.1
85	15.5	13.2	19.8

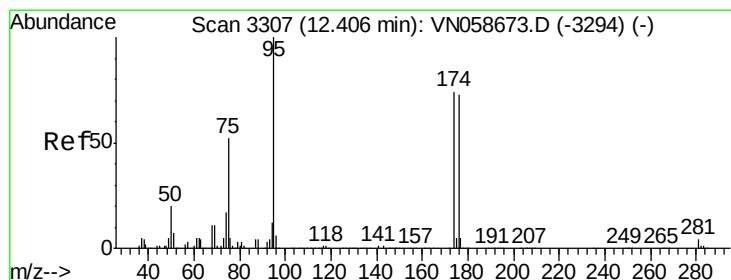
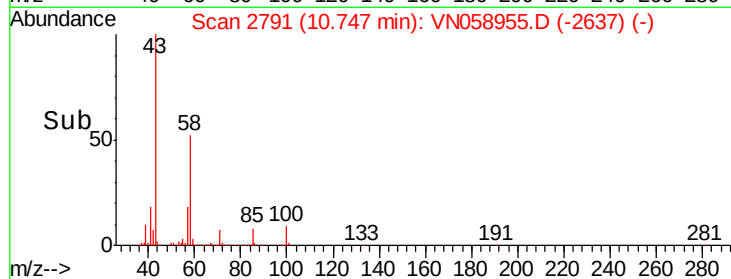
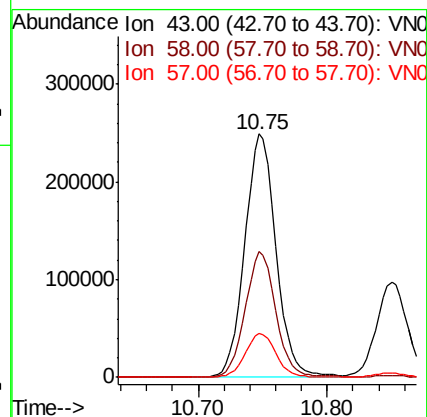
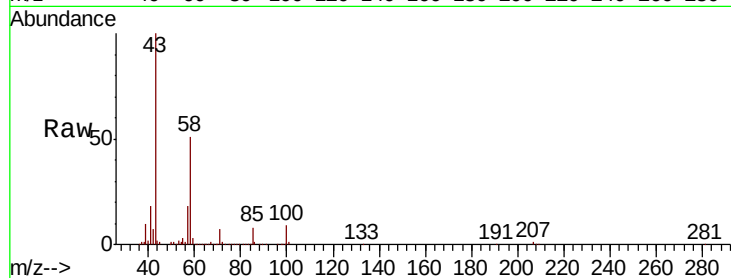




#59
2-Hexanone
Concen: 100.141 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

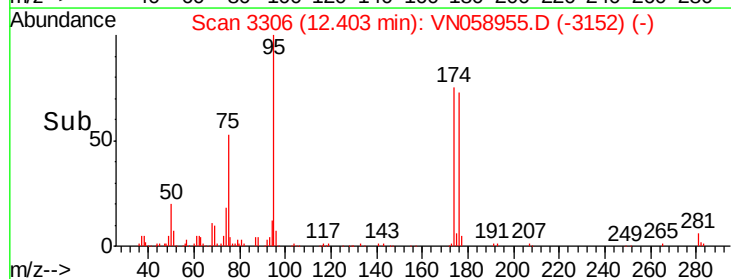
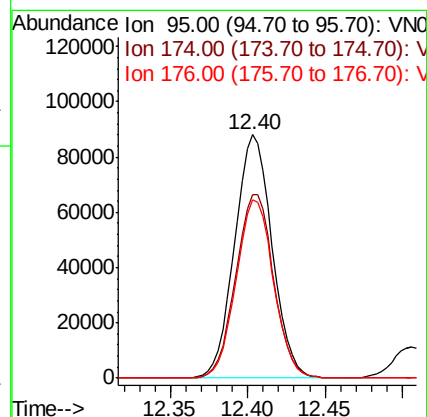
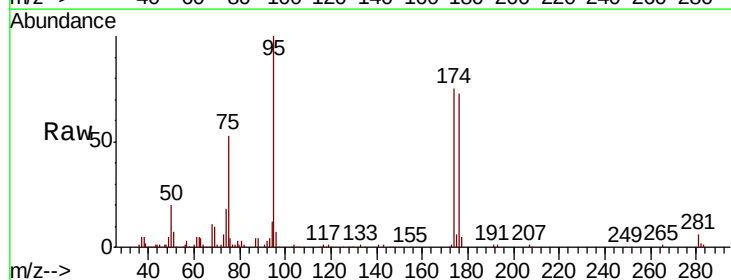
Instrument :
MSVOA_N
ClientSampleId :

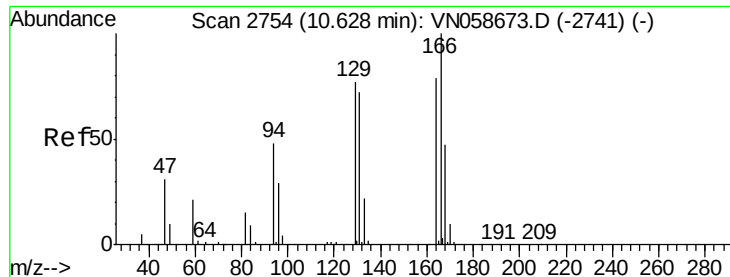
Tot Ion	Ratio	Lower	Upper
43	100		
58	50.8	41.4	62.0
57	18.0	14.7	22.1



#60
4-Bromofluorobenzene
Concen: 28.923 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.4	59.9	89.9
176	73.3	58.3	87.5





#61

Tetrachloroethene

Concen: 21.363 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 67465

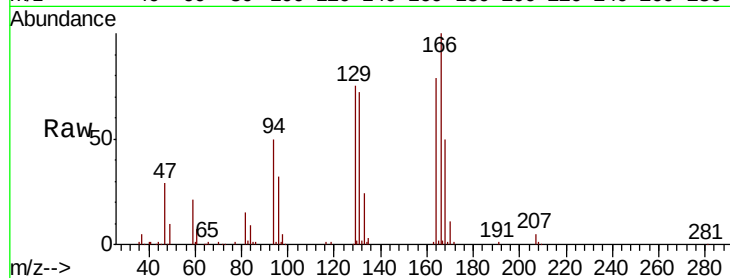
Ion Ratio Lower Upper

164 100

166 125.8 101.4 152.2

129 95.3 78.1 117.1

131 90.7 73.2 109.8

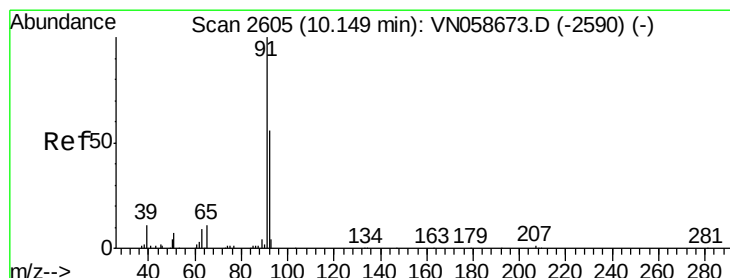
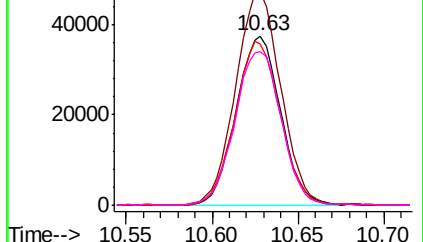
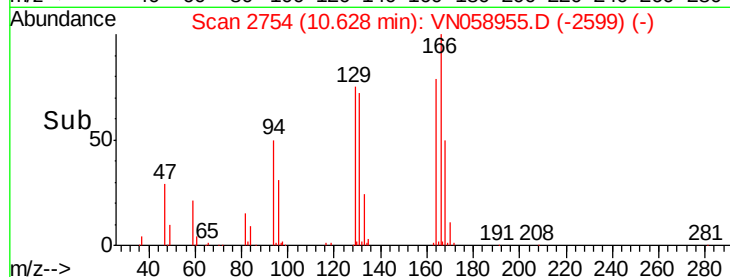


Abundance Ion 163.85 (163.55 to 164.55): V

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: 21.042 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058955.D

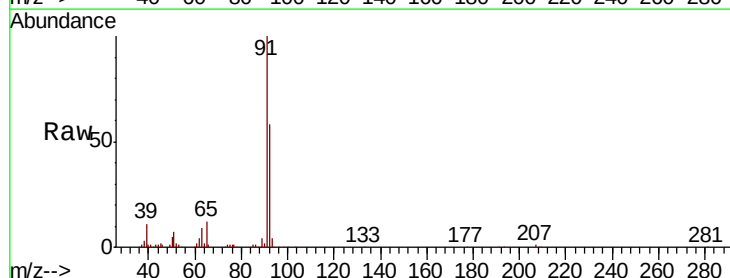
Acq: 24 Oct 2019 13:00

Tgt Ion: 91 Resp: 330779

Ion Ratio Lower Upper

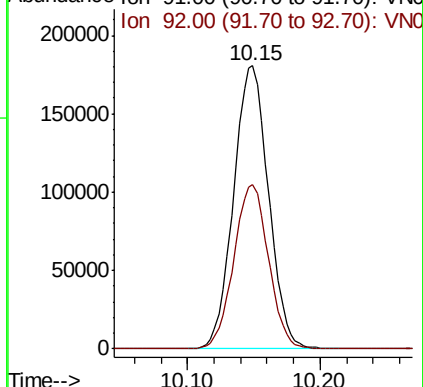
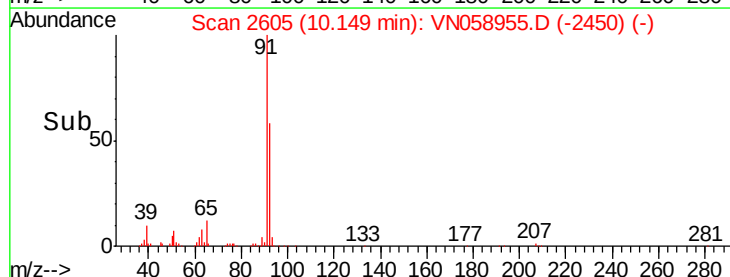
91 100

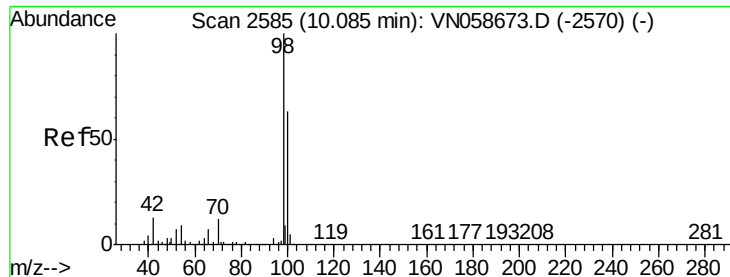
92 57.7 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.587 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

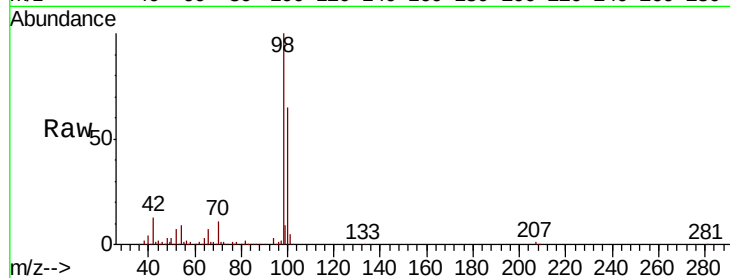
ClientSampleId :

Tot Ion: 98 Resp: 422050

Ion Ratio Lower Upper

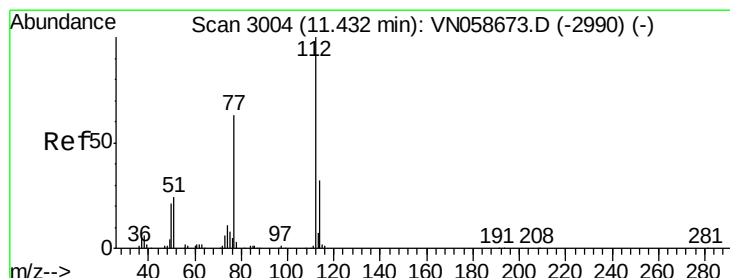
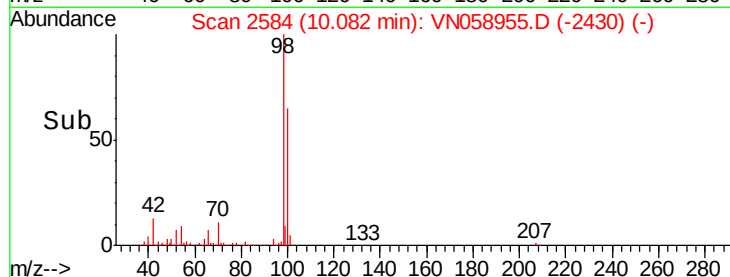
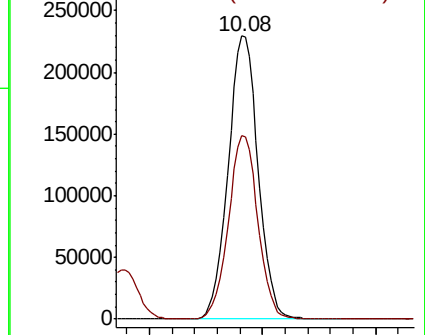
98 100

100 63.6 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#64

Chlorobenzene

Concen: 20.683 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN058955.D

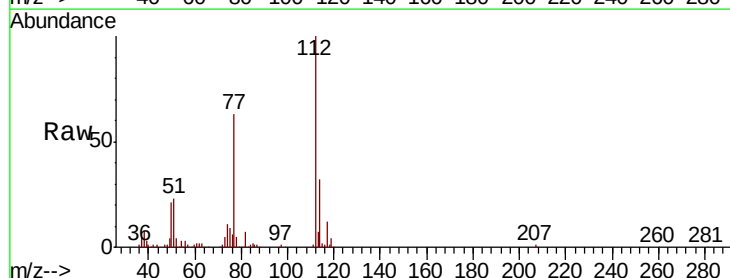
Acq: 24 Oct 2019 13:00

Tgt Ion: 112 Resp: 198777

Ion Ratio Lower Upper

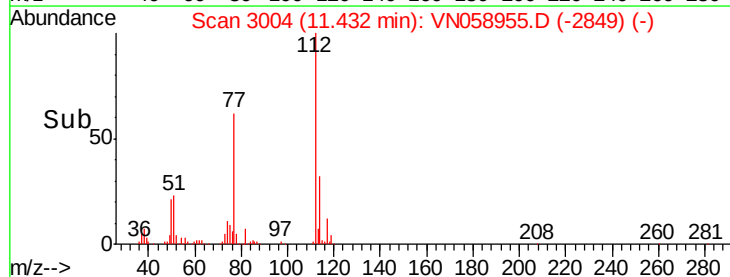
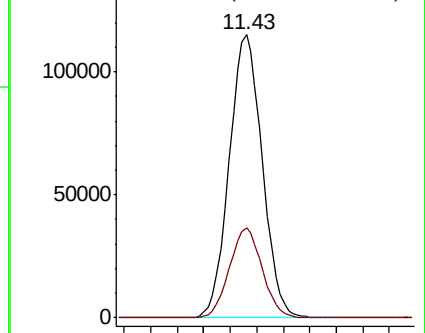
112 100

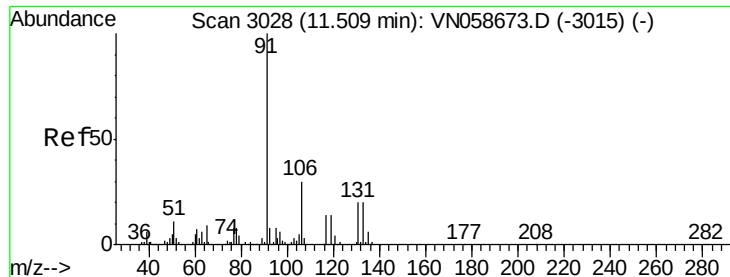
114 31.7 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 21.133 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

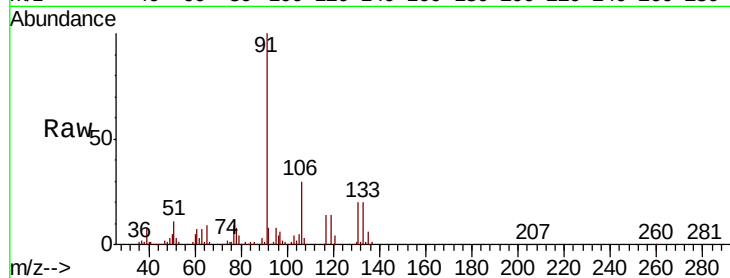
Tot Ion:131 Resp: 76157

Ion Ratio Lower Upper

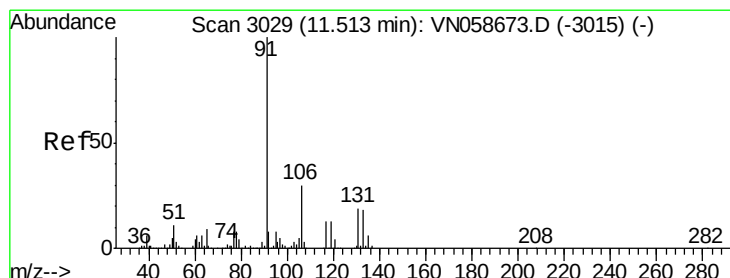
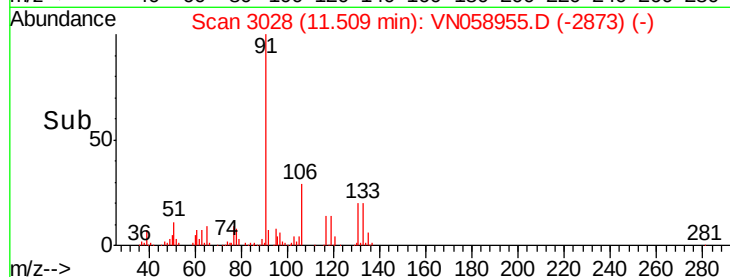
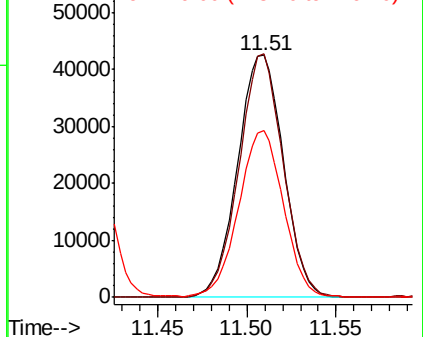
131 100

133 97.0 0.0 194.0

119 67.6 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: 20.254 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058955.D

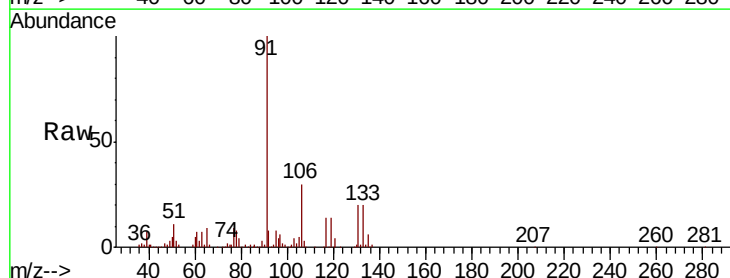
Acq: 24 Oct 2019 13:00

Tgt Ion: 91 Resp: 352550

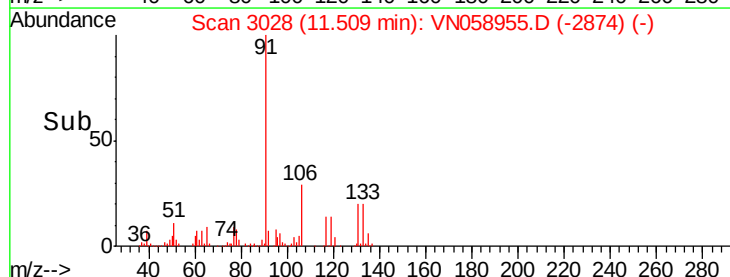
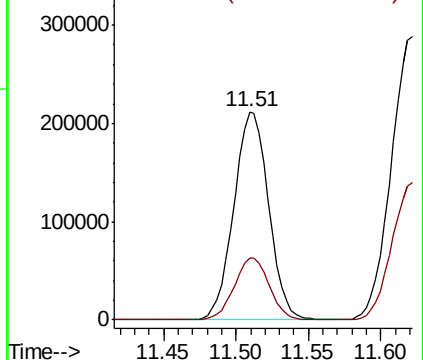
Ion Ratio Lower Upper

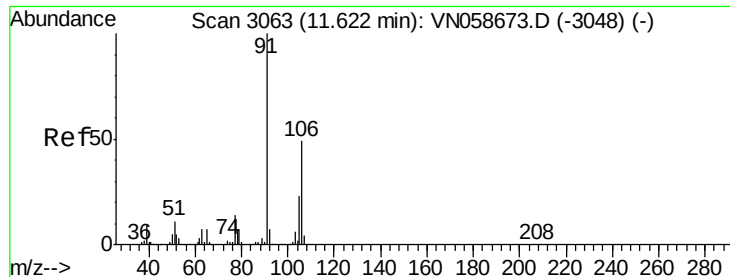
91 100

106 29.8 24.2 36.4



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

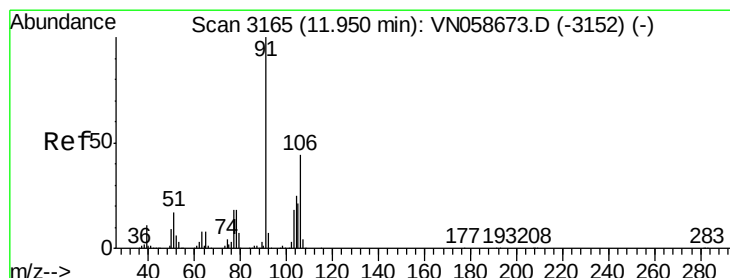
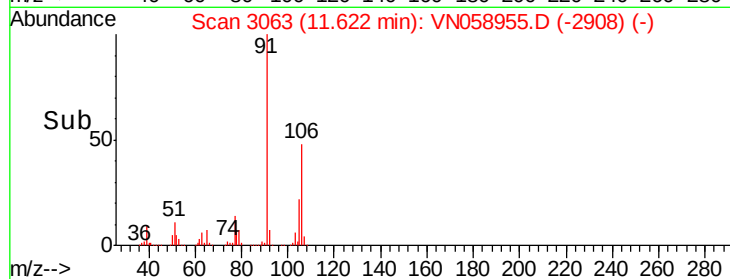
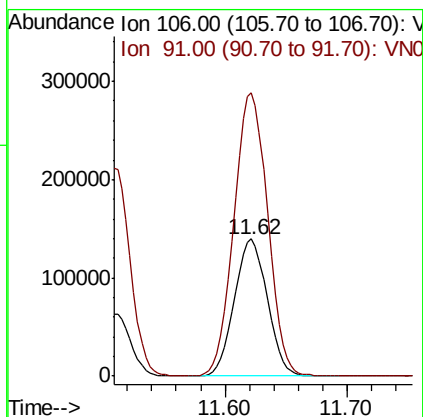
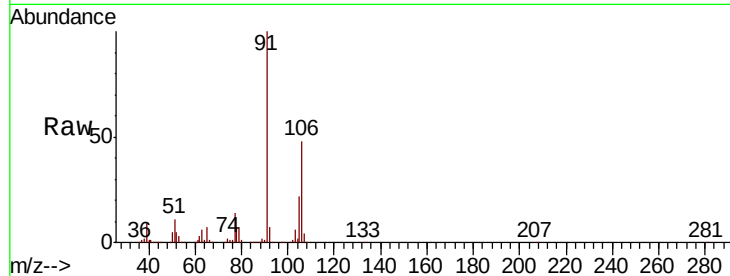




#67
m/p-Xylenes
Concen: 40.124 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

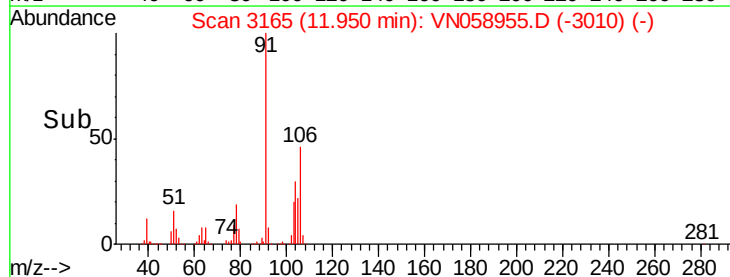
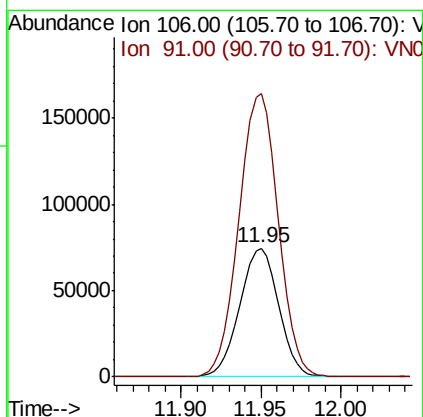
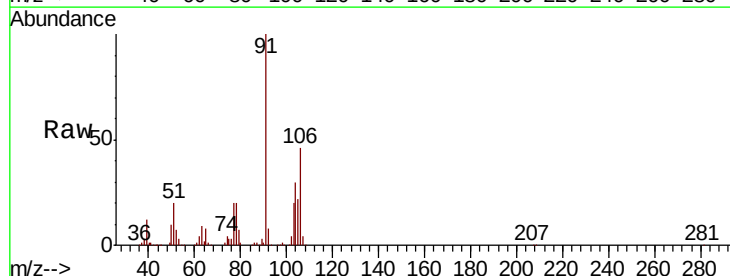
Instrument :
MSVOA_N
ClientSampleId :

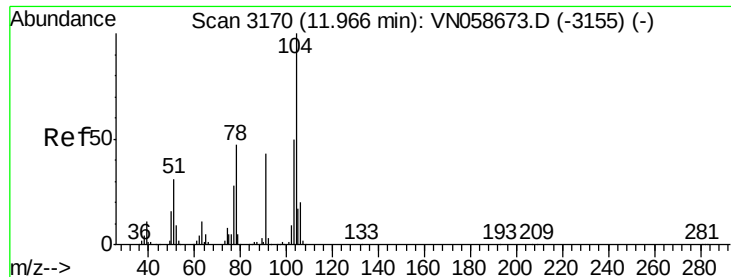
Tot Ion:106 Resp: 260931
Ion Ratio Lower Upper
106 100
91 211.0 165.6 248.4



#68
o-Xylene
Concen: 19.564 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Tgt Ion:106 Resp: 123341
Ion Ratio Lower Upper
106 100
91 223.1 109.8 329.4

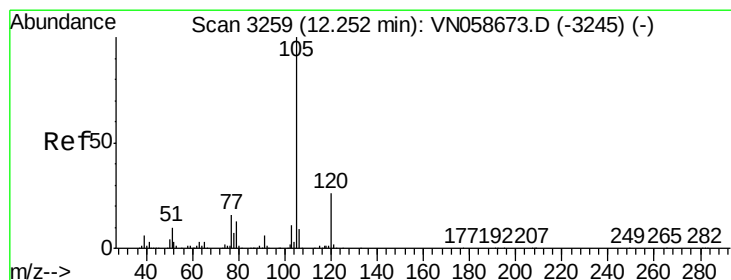
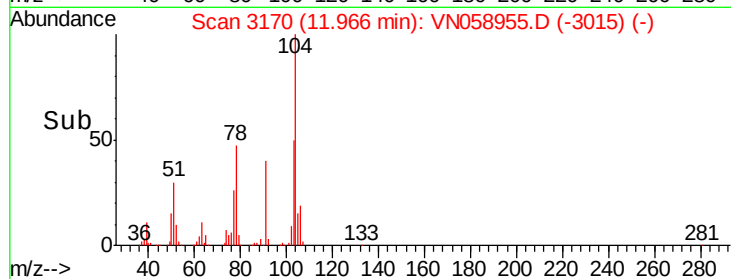
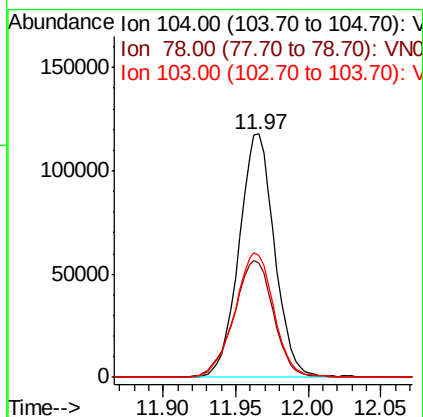
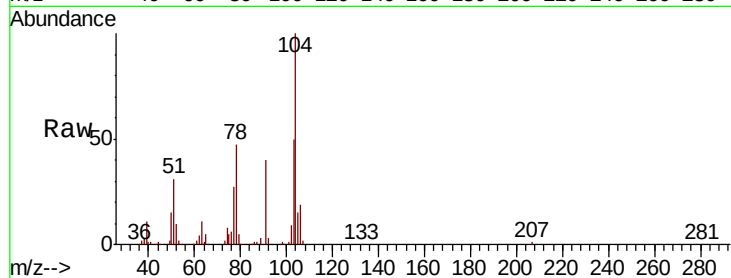




#69
Stvrene
Concen: 19.277 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

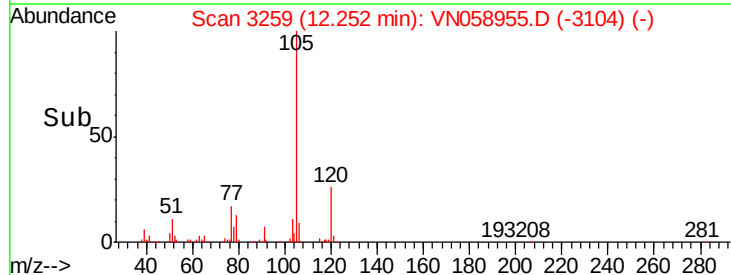
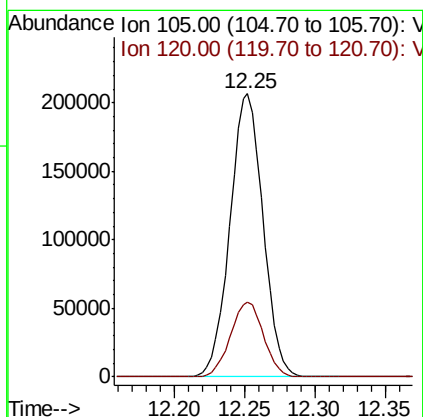
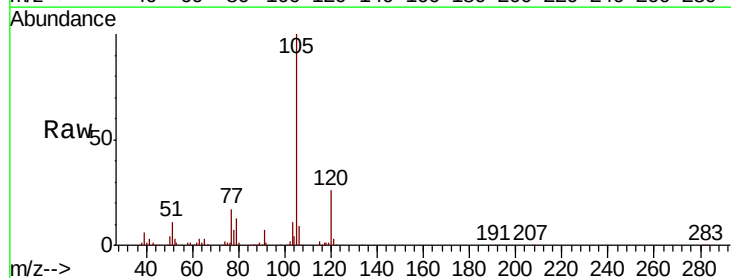
Instrument :
MSVOA_N
ClientSampleId :

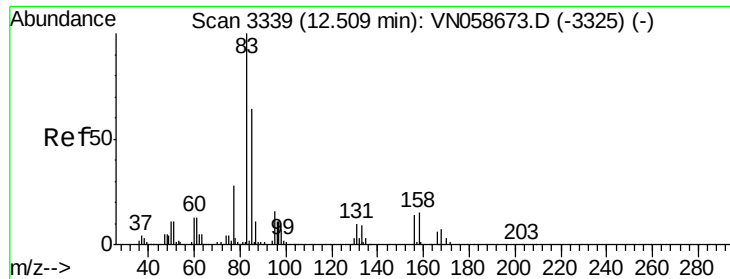
Tot Ion	Ratio	Lower	Upper
104	100		
78	53.7	42.4	63.6
103	56.4	44.6	66.8



#70
Isopropylbenzene
Concen: 19.865 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	18.4	34.2

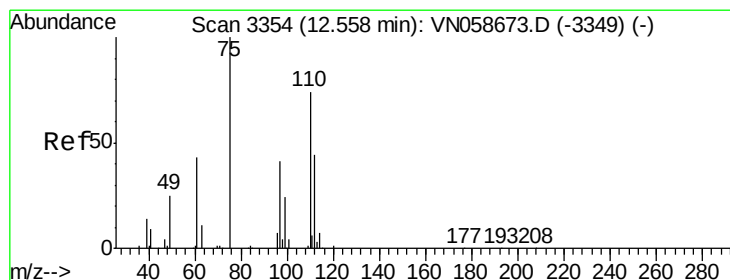
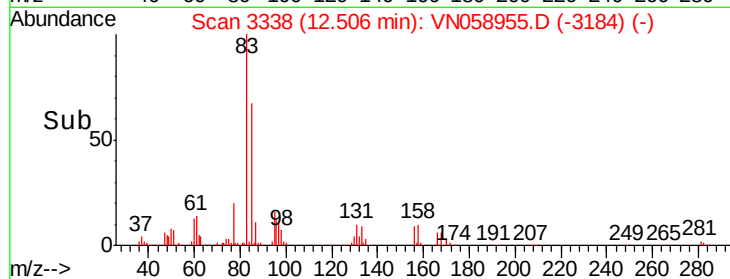
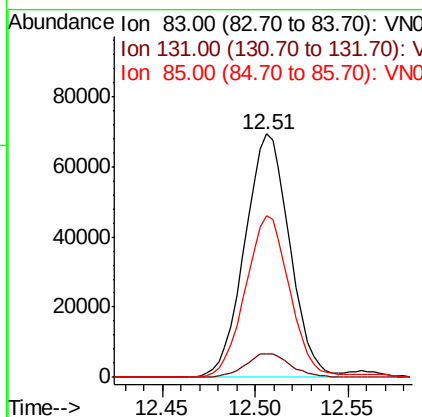
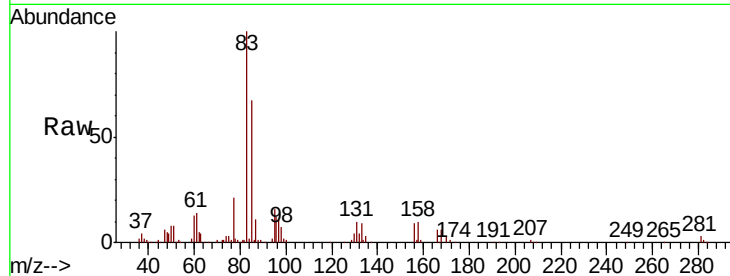




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.341 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

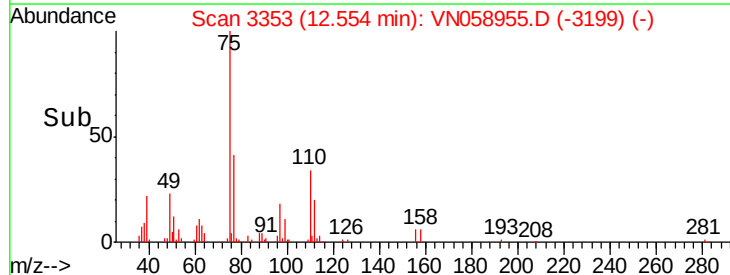
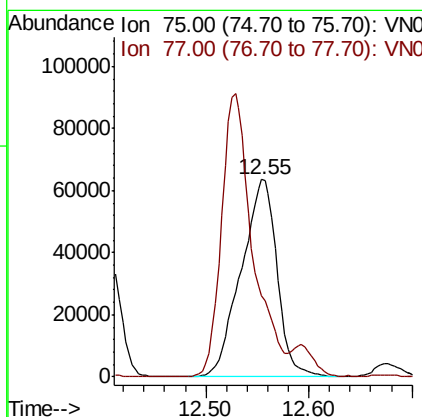
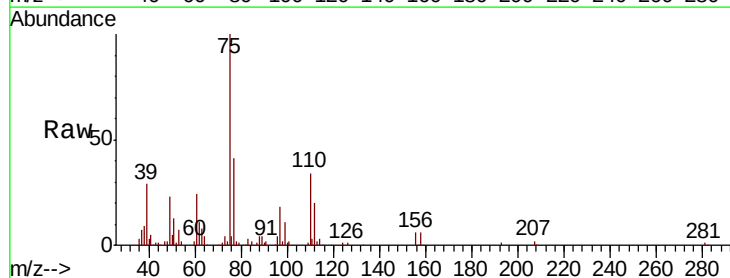
Instrument :
 MSVOA_N
 ClientSampleId :

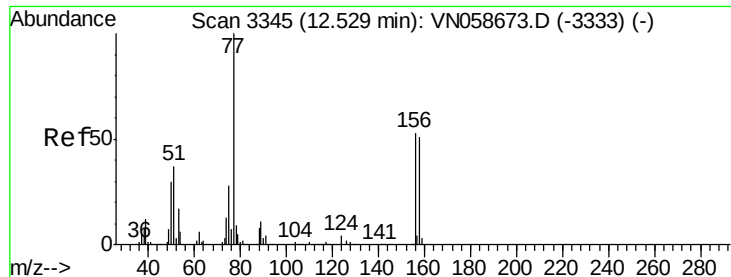
Tot Ion	83	Resp	116556
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.7
85	65.3	31.6	94.7



#72
 1,2,3-Trichloropropane
 Concen: 29.642 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

Tgt Ion	75	Resp	153910
Ion Ratio	Lower	Upper	
75	100		
77	125.5	0.0	359.4





#73

Bromobenzene

Concen: 19.797 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

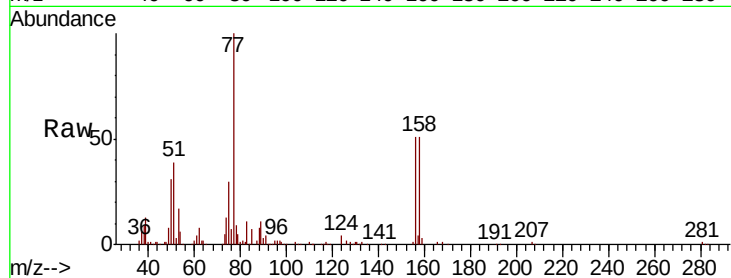
Tot Ion:156 Resp: 81846

Ion Ratio Lower Upper

156 100

77 236.1 0.0 456.0

158 98.9 0.0 195.4

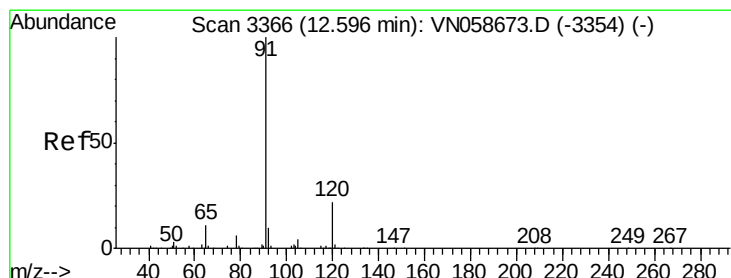
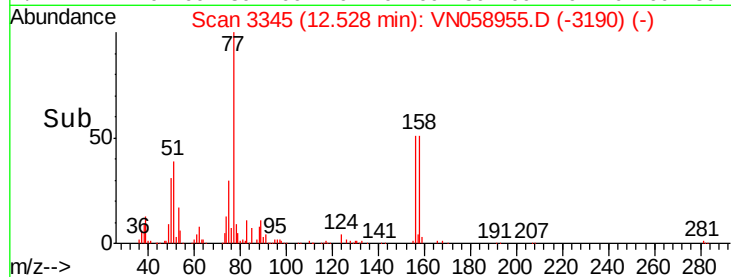
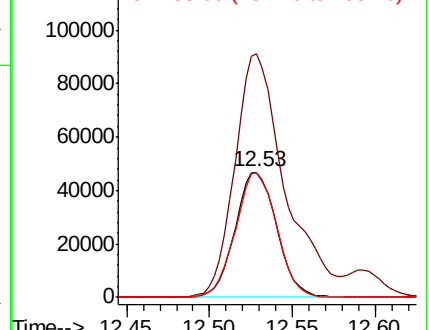


Abundance

Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.373 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058955.D

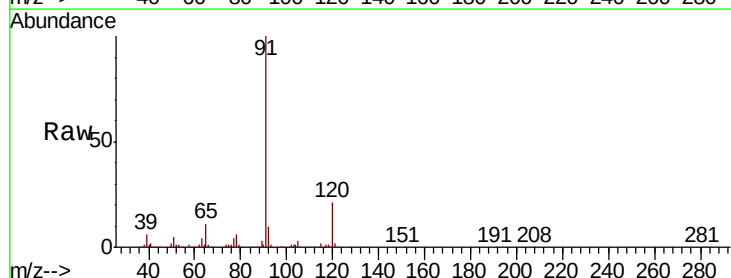
Acq: 24 Oct 2019 13:00

Tgt Ion: 91 Resp: 405888

Ion Ratio Lower Upper

91 100

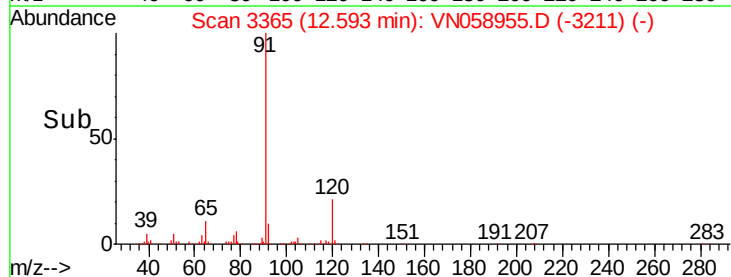
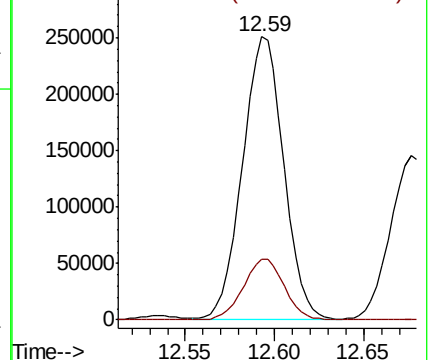
120 21.2 0.0 43.6

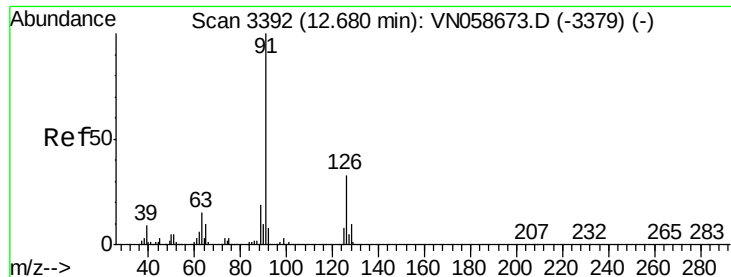


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.398 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

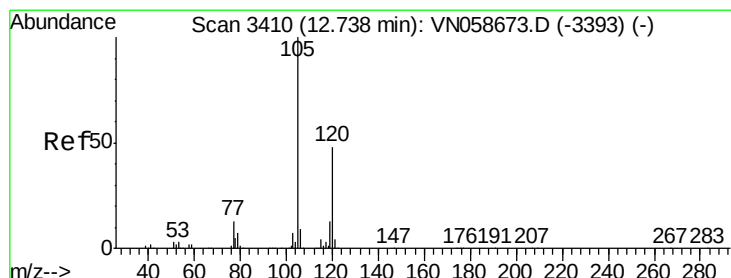
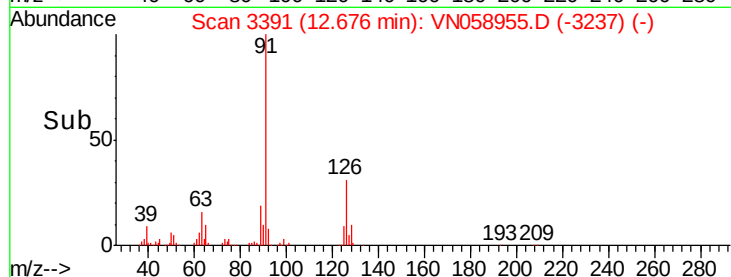
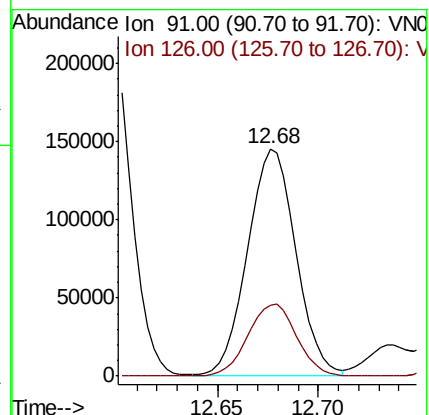
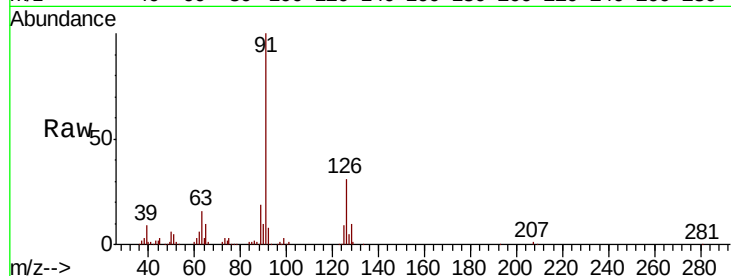
ClientSampleId :

Tot Ion: 91 Resp: 244505

Ion Ratio Lower Upper

91 100

126 31.9 0.0 65.4



#76

1,3,5-Trimethylbenzene

Concen: 19.891 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058955.D

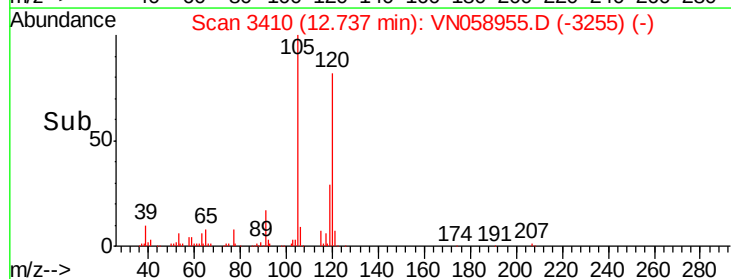
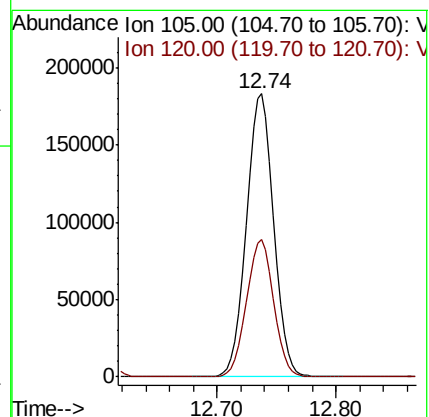
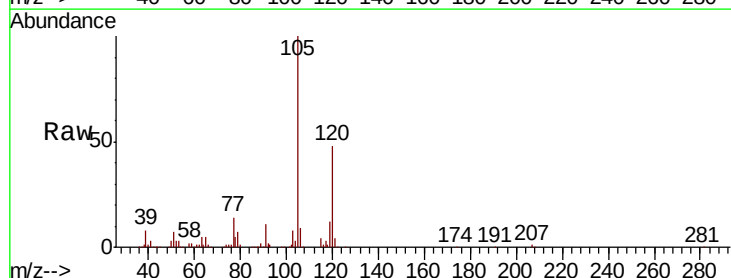
Acq: 24 Oct 2019 13:00

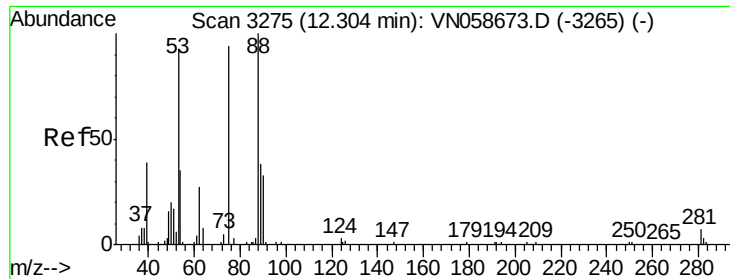
Tgt Ion: 105 Resp: 289975

Ion Ratio Lower Upper

105 100

120 48.3 0.0 94.0

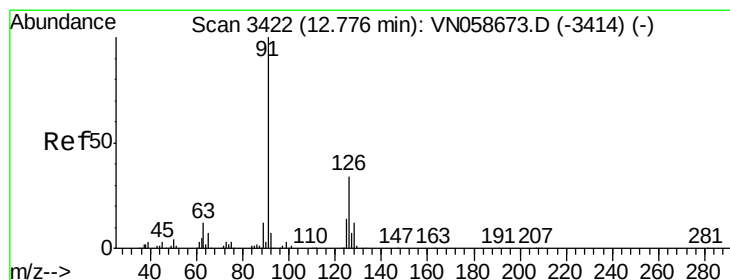
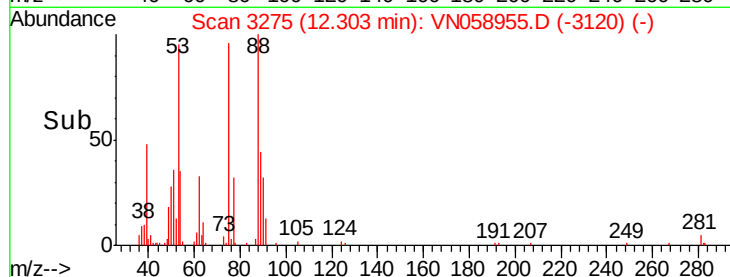
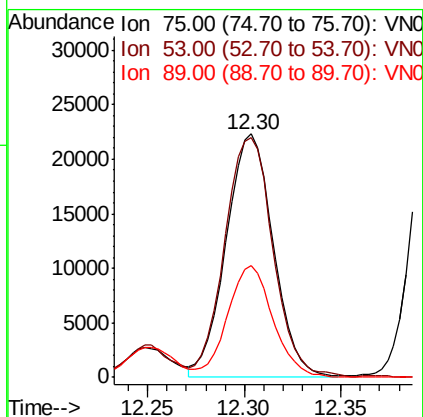
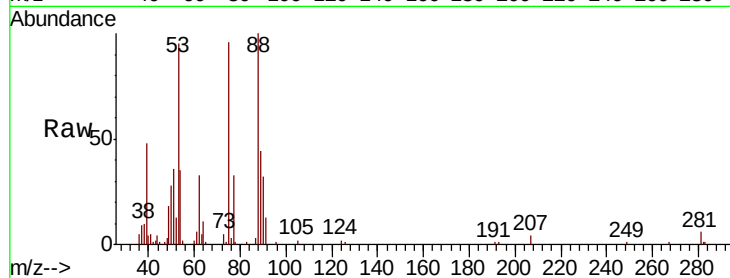




#77
t-1,4-Dichloro-2-butene
Concen: 19.214 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

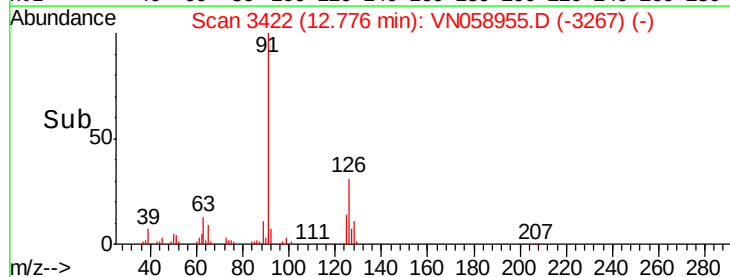
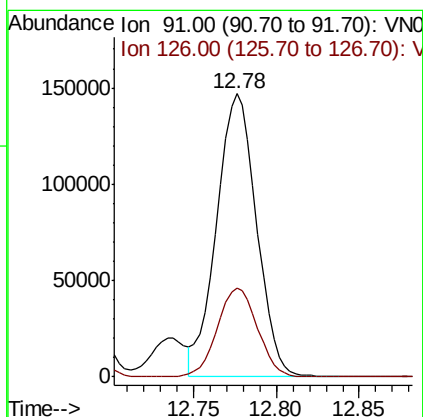
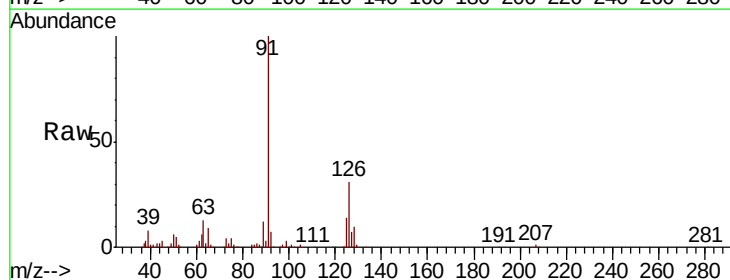
Instrument :
MSVOA_N
ClientSampleId :

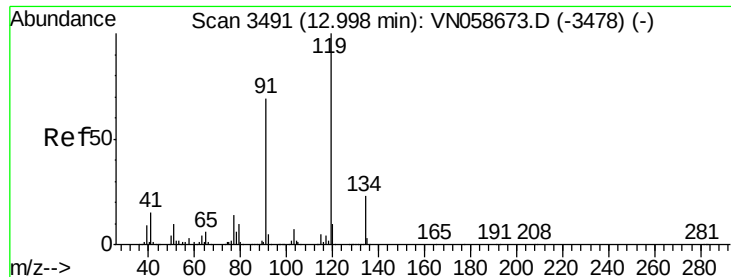
Tot Ion: 75 Resp: 38006
Ion Ratio Lower Upper
75 100
53 97.9 50.0 150.0
89 46.2 20.7 62.1



#78
4-Chlorotoluene
Concen: 19.818 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Tgt Ion: 91 Resp: 244843
Ion Ratio Lower Upper
91 100
126 31.6 0.0 63.4

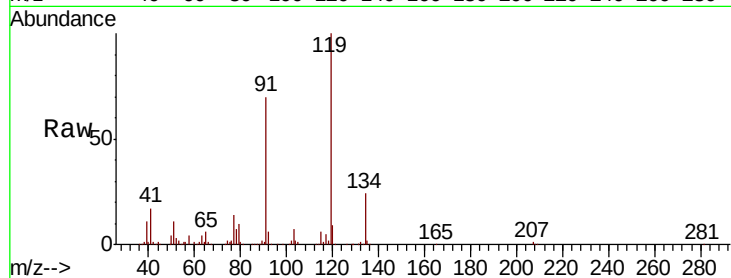




#79
tert-butylbenzene
Concen: 19.519 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.0	0.0	136.4
134	23.2	0.0	47.2

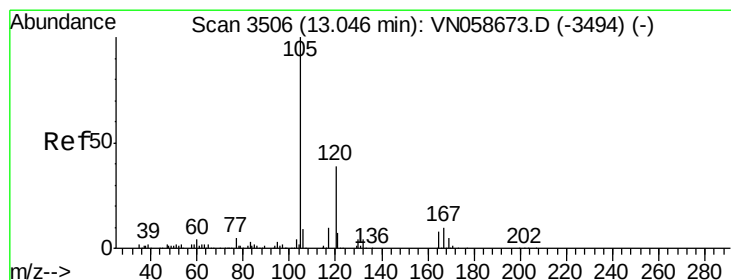
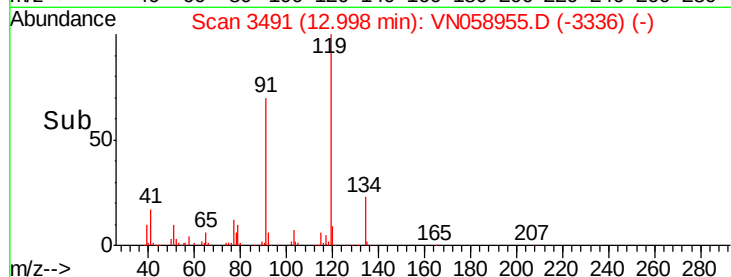
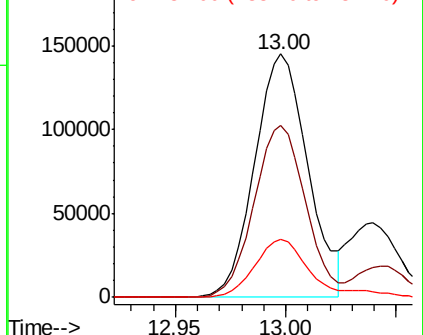


Abundance

Ion 119.00 (118.70 to 119.70): V

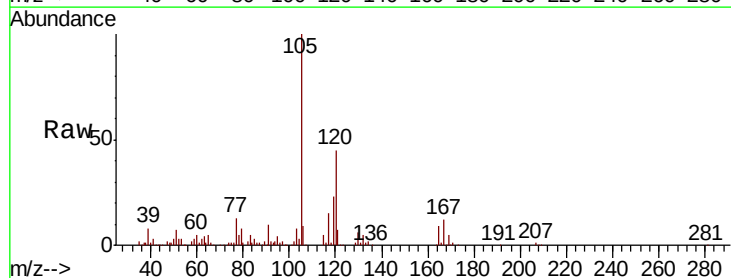
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#80
1,2,4-Trimethylbenzene
Concen: 19.772 ug/l
RT: 13.04 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

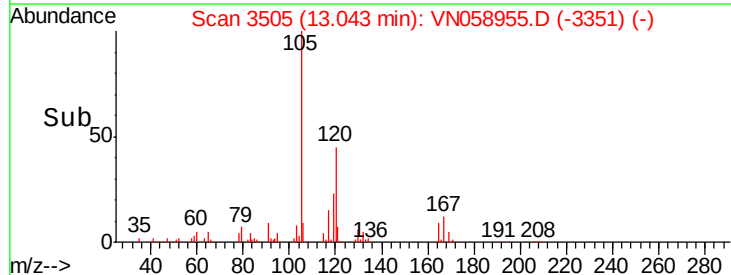
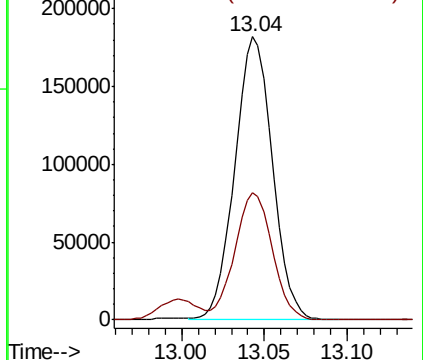
Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	0.0	89.2

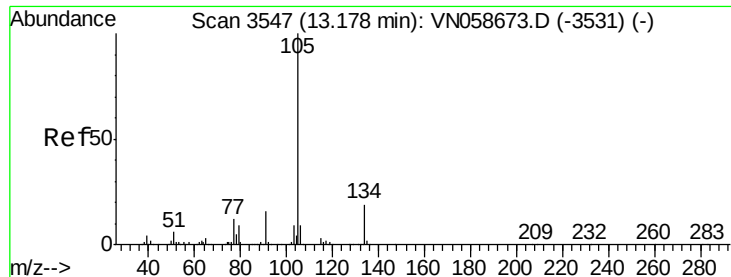


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

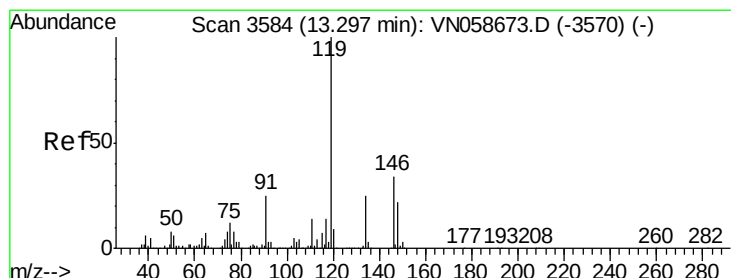
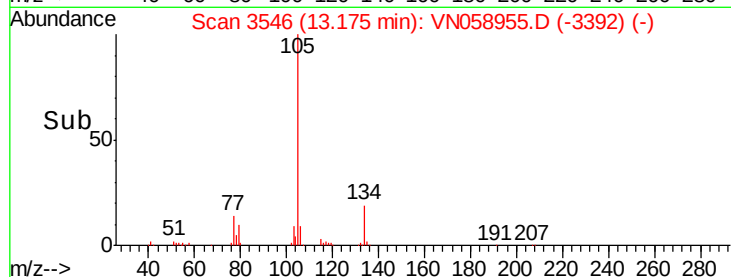
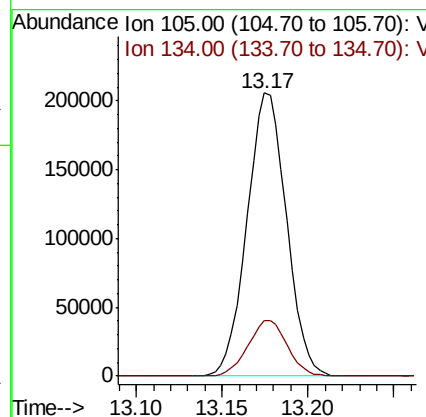
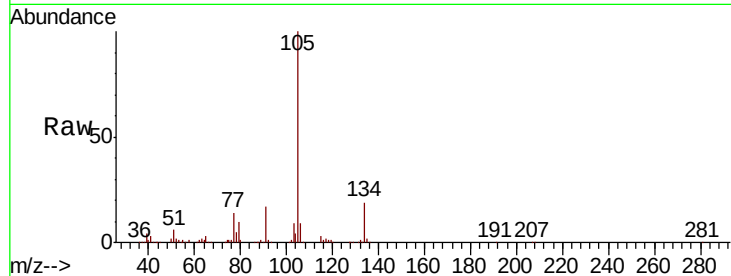




#81
 sec-Butylbenzene
 Concen: 19.455 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

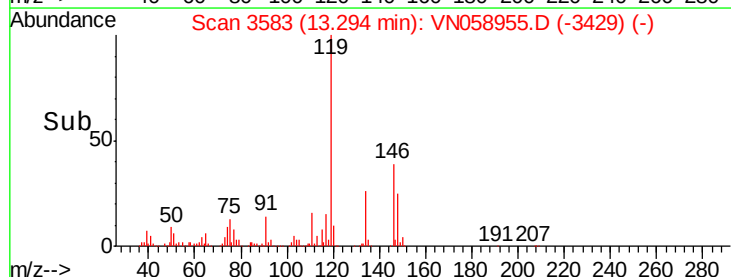
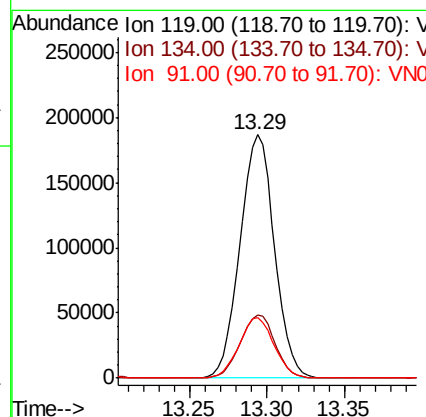
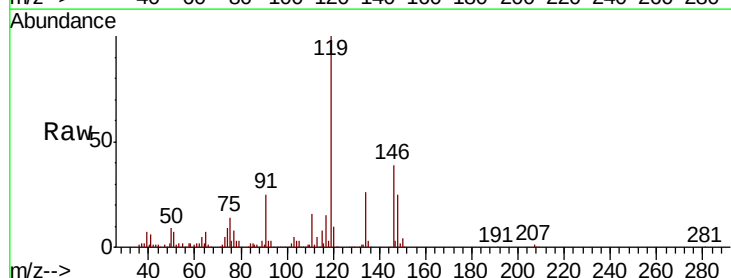
Instrument :
 MSVOA_N
 ClientSampled :

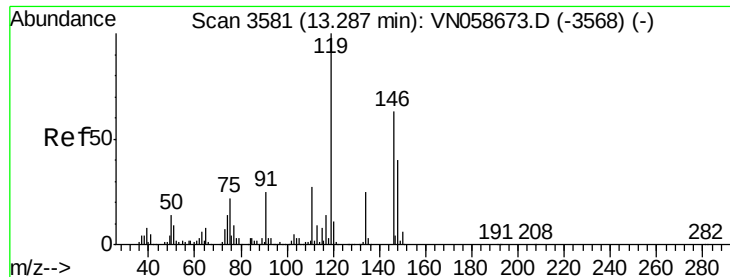
Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	0.0	38.0



#82
 p-Isopropyltoluene
 Concen: 19.143 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	0.0	50.8
91	25.4	0.0	49.4

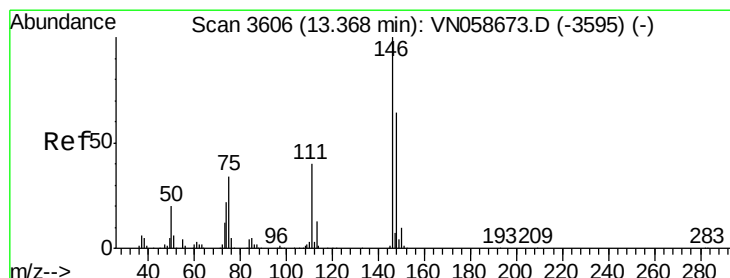
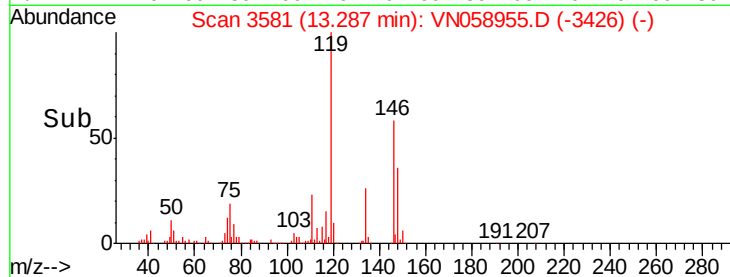
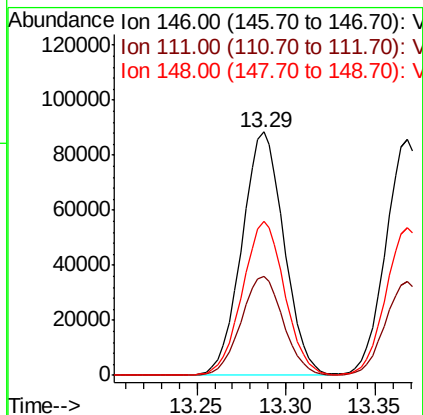
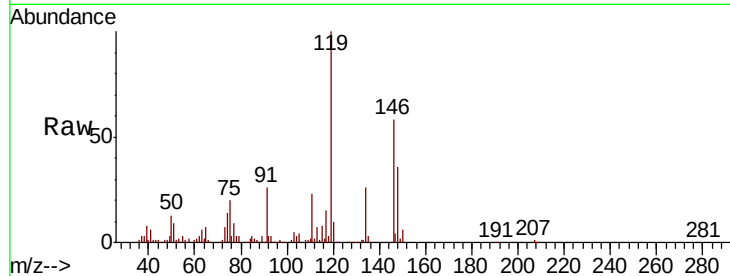




#83
 1,3-Dichlorobenzene
 Concen: 19.543 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

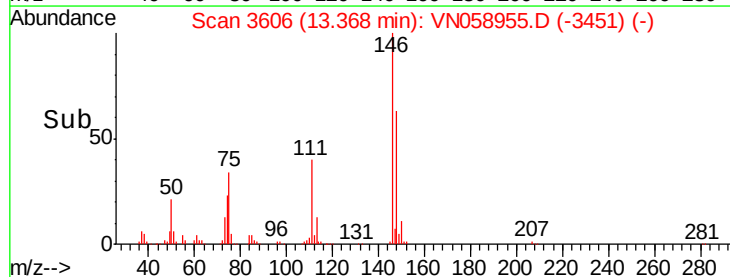
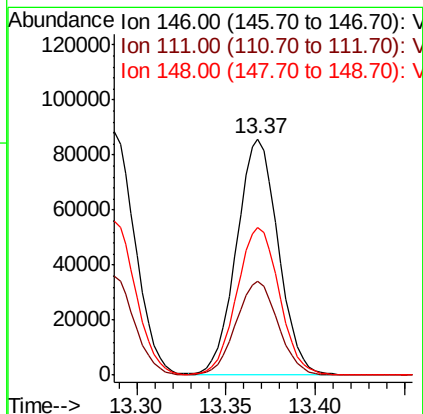
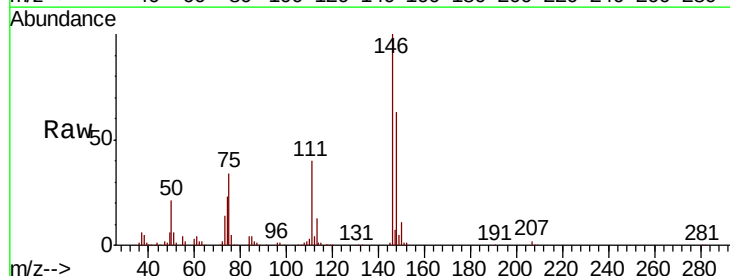
Instrument :
 MSVOA_N
 ClientSampled :

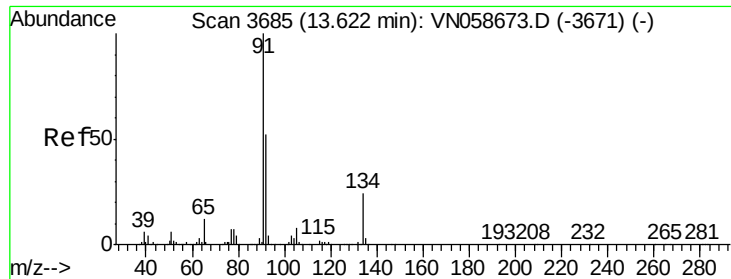
Tot Ion:146 Resp: 146205
 Ion Ratio Lower Upper
 146 100
 111 40.8 21.0 63.0
 148 63.6 31.7 95.1



#84
 1,4-Dichlorobenzene
 Concen: 18.552 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

Tgt Ion:146 Resp: 138629
 Ion Ratio Lower Upper
 146 100
 111 39.9 19.8 59.4
 148 64.6 31.6 94.8





#85

n-Butylbenzene

Concen: 17.931 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. -0.00 min

Lab File: VN058955.D

Acq: 24 Oct 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

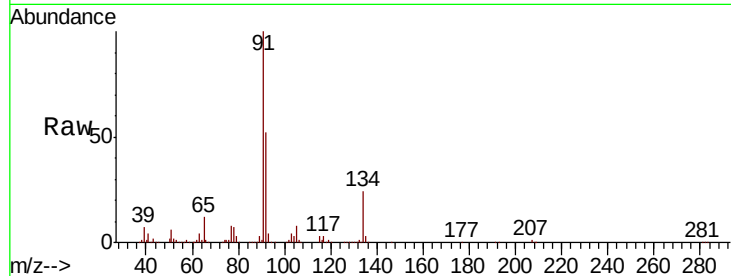
Tot Ion: 91 Resp: 247100

Ion Ratio Lower Upper

91 100

92 51.2 0.0 102.8

134 23.7 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN058673.D (-3671) (-)

Ion 92.00 (91.70 to 92.70): VN058673.D (-3671) (-)

Ion 134.00 (133.70 to 134.70): VN058673.D (-3671) (-)

13.62

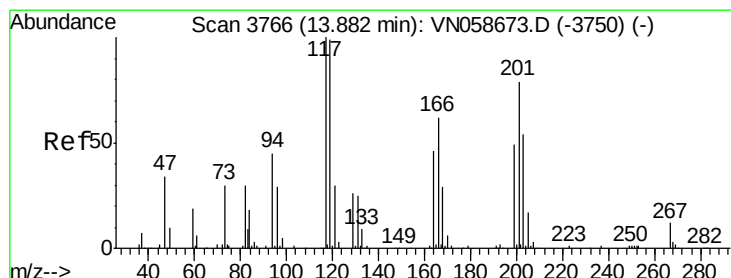
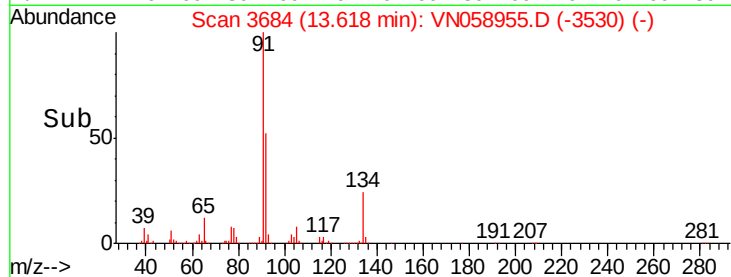
150000

100000

50000

0

Time-->



#86

Hexachloroethane

Concen: 20.614 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. -0.00 min

Lab File: VN058955.D

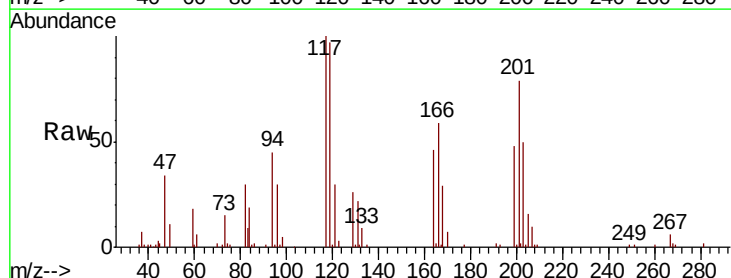
Acq: 24 Oct 2019 13:00

Tgt Ion: 117 Resp: 56466

Ion Ratio Lower Upper

117 100

201 78.5 38.7 116.1



Abundance Ion 117.00 (116.70 to 117.70): VN058673.D (-3750) (-)

Ion 201.00 (200.70 to 201.70): VN058673.D (-3750) (-)

13.88

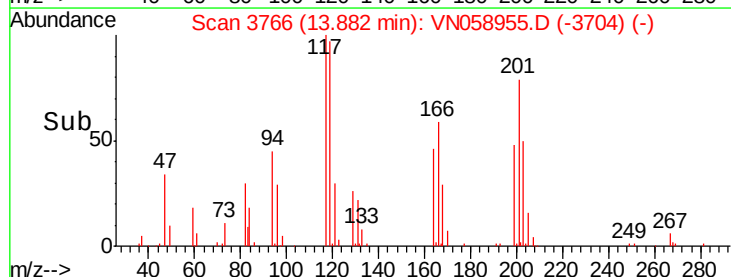
30000

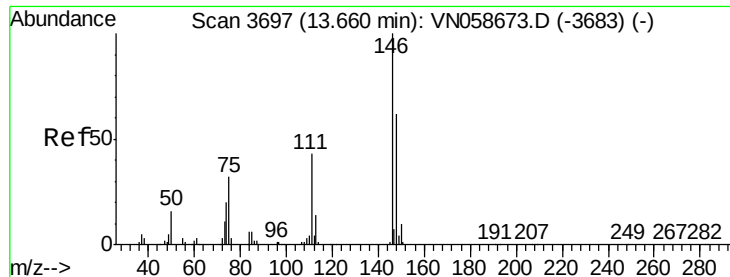
20000

10000

0

Time-->

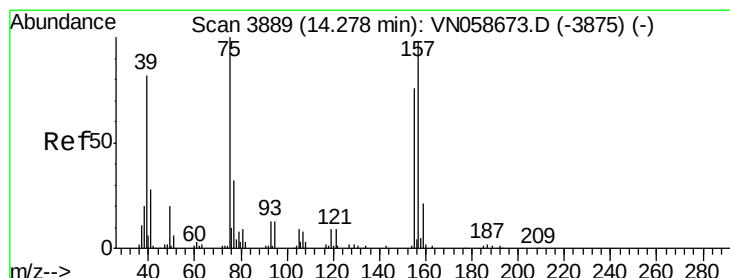
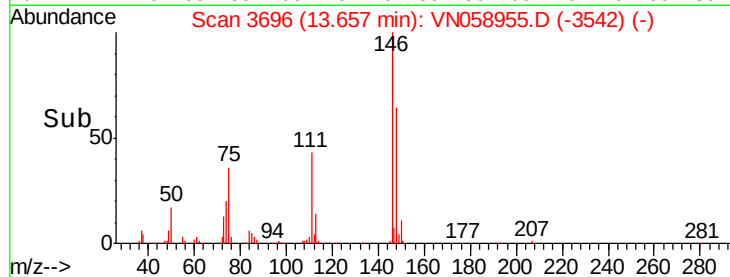
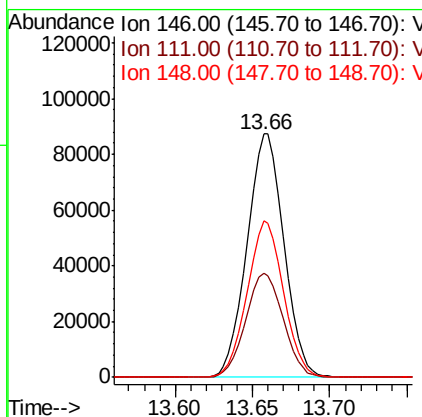
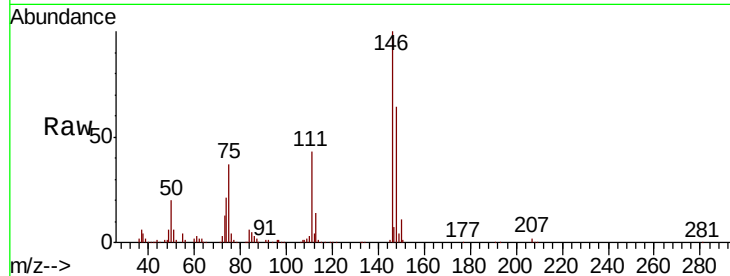




#87
 1,2-Dichlorobenzene
 Concen: 19.711 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

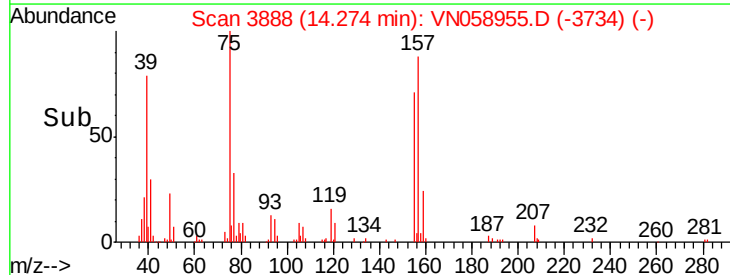
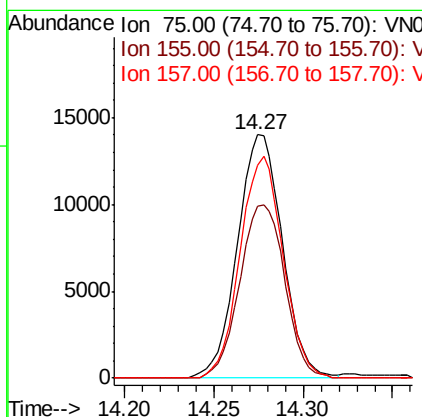
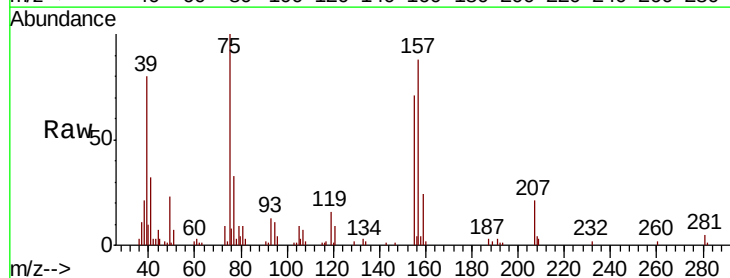
Instrument :
 MSVOA_N
 ClientSampled :

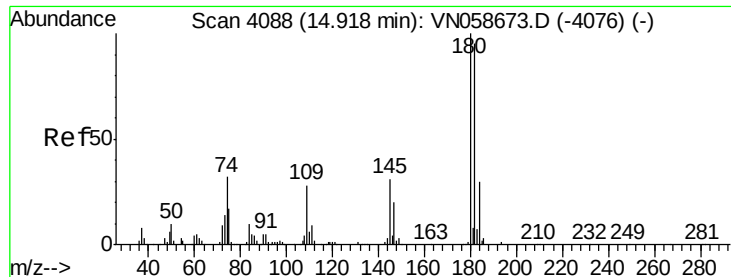
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.8	65.4
148	63.1	32.1	96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.366 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.3	58.3	87.5
157	87.3	75.0	112.6

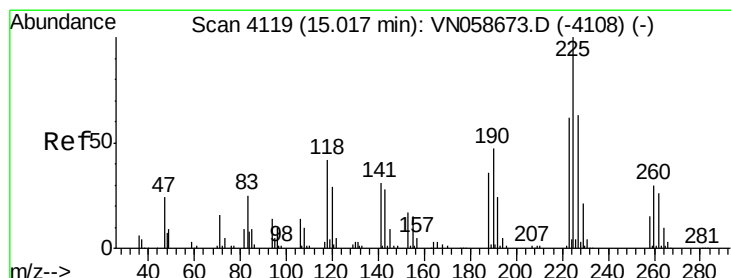
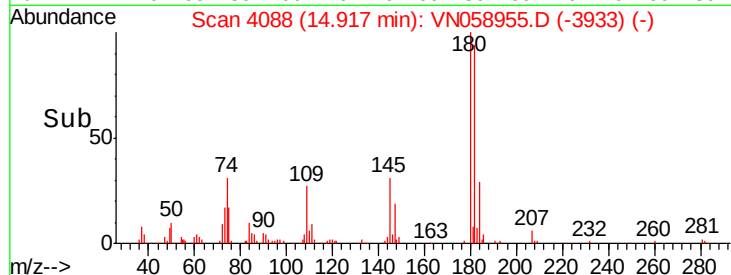
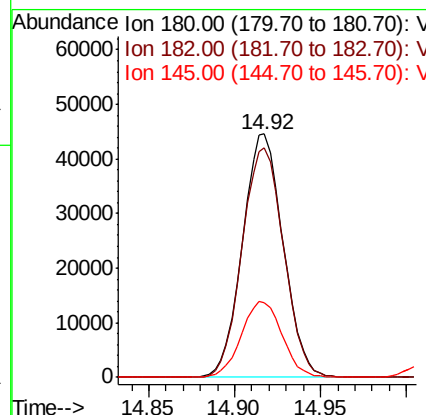
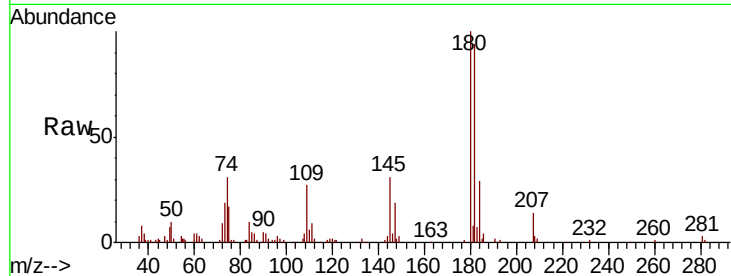




#89
 1,2,4-Trichlorobenzene
 Concen: 15.767 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

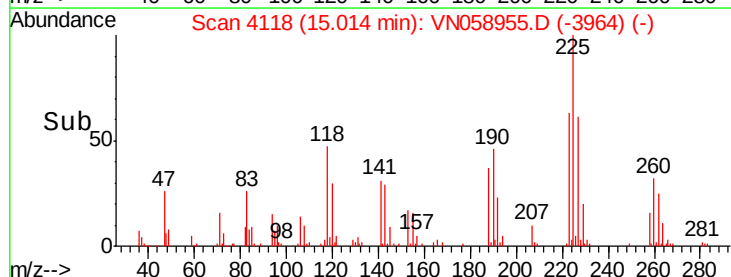
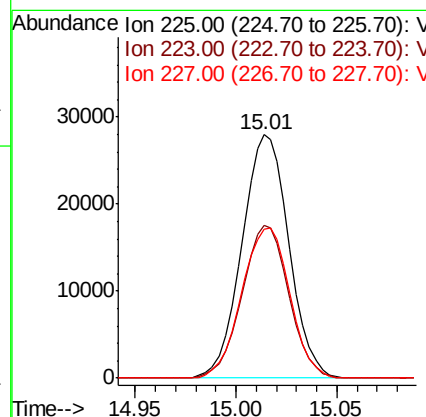
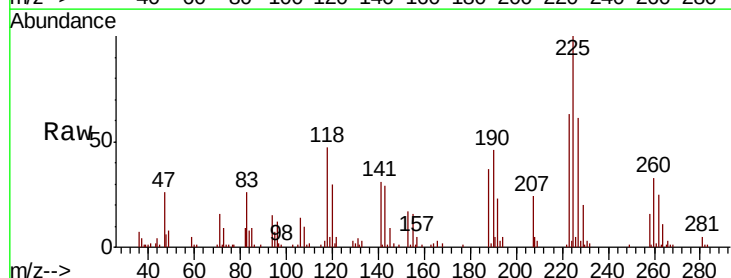
Instrument :
 MSVOA_N
 ClientSampled :

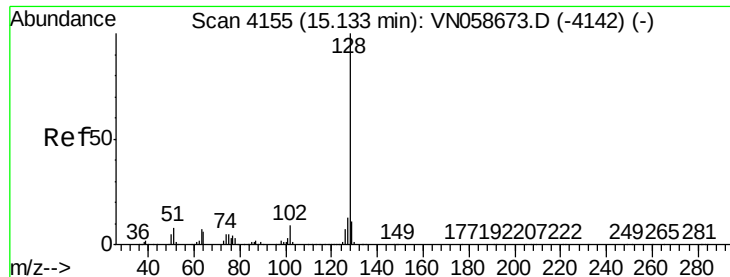
Tot Ion:180 Resp: 73526
 Ion Ratio Lower Upper
 180 100
 182 96.0 75.3 112.9
 145 31.2 24.8 37.2



#90
 Hexachlorobutadiene
 Concen: 18.879 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058955.D
 Acq: 24 Oct 2019 13:00

Tgt Ion:225 Resp: 45462
 Ion Ratio Lower Upper
 225 100
 223 62.8 0.0 126.2
 227 63.3 0.0 127.0

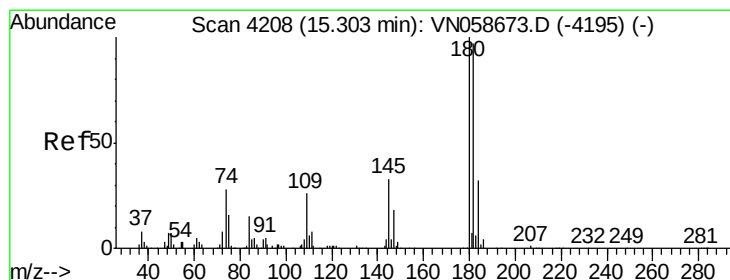
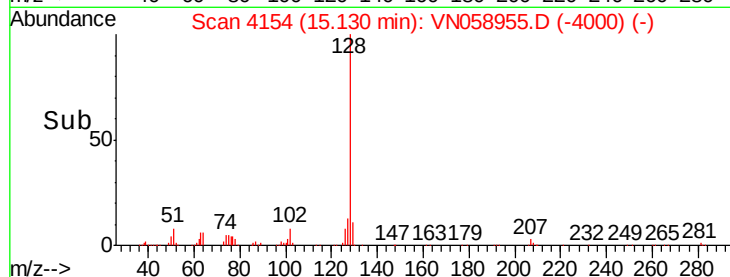
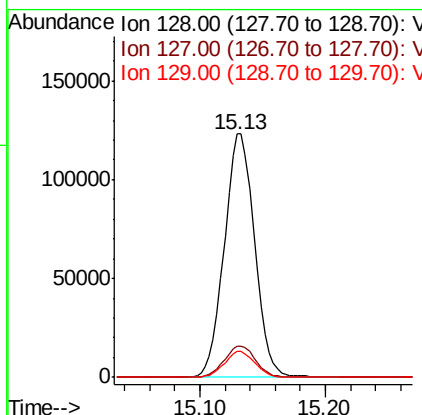
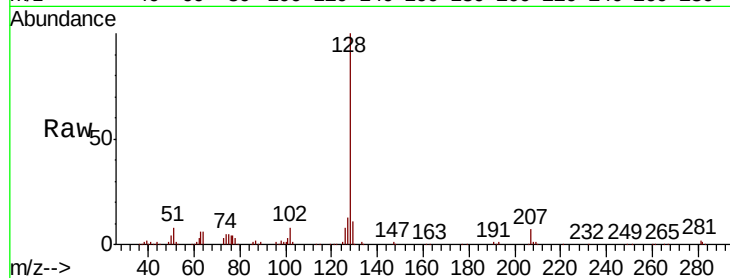




#91
Naphthalene
Concen: 15.002 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.7	8.6	13.0



#92
1,2,3-Trichlorobenzene
Concen: 16.560 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. -0.00 min
Lab File: VN058955.D
Acq: 24 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	0.0	193.4
145	32.5	0.0	65.8

