

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101119\
 Data File : VN058668.D
 Acq On : 10 Oct 2019 16:44
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 11 04:13:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:10:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.17	128	71635	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	403969	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	362123	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	189310	30.13	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.43%
60) 4-Bromofluorobenzene	12.40	95	180391	28.64	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.47%
63) Toluene-d8	10.08	98	518231	29.95	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	20578	4.857 ug/l	99
3) Chloromethane	2.04	50	30278	5.982 ug/l	95
4) Vinyl Chloride	2.17	62	29998	5.905 ug/l	99
5) Bromomethane	2.54	94	19481	6.726 ug/l	94
6) Chloroethane	2.68	64	19860	6.553 ug/l	99
7) Trichlorofluoromethane	3.00	101	37102	6.180 ug/l	99
8) Diethyl Ether	3.39	74	14214	5.449 ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.73	101	21850	5.454 ug/l	84
10) 1,1-Dichloroethene	3.71	96	22283	5.679 ug/l	96
11) Methyl Iodide	3.93	142	27528	6.306 ug/l	96
12) Methyl Acetate	4.30	43	34896	6.416 ug/l	97
13) Acrolein	3.58	56	20333	82.495 ug/l	97
14) Acrylonitrile	4.96	53	63269	28.683 ug/l #	87
15) Acetone	3.80	58	19502	31.935 ug/l	83
16) Carbon Disulfide	4.03	76	64268	5.759 ug/l	99
17) Allyl chloride	4.30	41	41103	5.528 ug/l	95
18) Methylene Chloride	4.53	84	26801	5.771 ug/l	93
19) trans-1,2-Dichloroethene	5.02	96	23186	5.288 ug/l	86
21) 1,1-Dichloroethane	5.82	63	47148	5.381 ug/l	96
22) cis-1,2-Dichloroethene	6.81	96	27298	5.338 ug/l	98
23) tert-Butyl Alcohol	4.75	59	12964	15.502 ug/l #	100
24) Methyl tert-Butyl Ether	5.02	73	76102	5.361 ug/l	99
25) Chloroform	7.35	83	47130	5.318 ug/l	98
26) Cyclohexane	7.64	56	39892	4.941 ug/l	97
29) 1,1-Dichloropropene	7.78	75	34349	5.200 ug/l	99
30) 2-Butanone	6.82	43	92432	29.644 ug/l	99
31) 2,2-Dichloropropane	6.80	77	44155	6.348 ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	41092	5.663 ug/l	99
33) Carbon Tetrachloride	7.75	117	34356	5.551 ug/l	94
34) Benzene	8.03	78	105006	5.568 ug/l #	73
35) Methacrylonitrile	7.19	41	52602	19.233 ug/l #	66
36) 1,2-Dichloroethane	8.11	62	40196	5.446 ug/l	99
37) Trichloroethene	8.82	130	25312	5.371 ug/l	94
38) Methylcyclohexane	9.07	83	39121	4.927 ug/l	98
39) 1,2-Dichloropropane	9.11	63	28367	5.476 ug/l	100
40) Dibromomethane	9.20	93	17663	5.419 ug/l	99
41) Bromodichloromethane	9.39	83	34933	5.366 ug/l	97

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 Data File : VN058668.D
 Acq On : 10 Oct 2019 16:44
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 11 04:13:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:10:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Vinyl Acetate	5.87	43	332768	28.448	ug/l	99
43) Ethyl Acetate	6.91	43	38979	6.234	ug/l #	84
44) Isopropyl Acetate	8.15	43	59282	5.446	ug/l #	89
45) 1,4-Dioxane	9.19	88	9056	101.478	ug/l	96
46) Methyl methacrylate	9.19	41	26129	5.093	ug/l	96
47) n-amyl Acetate	12.07	43	46927	4.916	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	39161	5.425	ug/l	96
49) cis-1,3-Dichloropropene	9.83	75	41019	5.189	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	25063	5.483	ug/l	98
51) Ethyl methacrylate	10.43	69	34809	4.800	ug/l	96
52) 1,3-Dichloropropane	10.71	76	44993	5.548	ug/l	99
53) Dibromochloromethane	10.90	129	24848	5.302	ug/l	98
54) 1,2-Dibromoethane	11.00	107	25013	5.342	ug/l	95
55) 2-Chloroethyl vinyl ether	9.69	63	87949	27.302	ug/l	100
56) Bromoform	12.13	173	16102	5.309	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	179527	30.512	ug/l	99
59) 2-Hexanone	10.75	43	133395	29.786	ug/l	100
61) Tetrachloroethene	10.63	164	22416	5.781	ug/l	99
62) Toluene	10.15	91	108699	5.461	ug/l	100
64) Chlorobenzene	11.43	112	65097	5.319	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	23782	5.432	ug/l	99
66) Ethyl Benzene	11.51	91	116794	5.393	ug/l	100
67) m/p-Xylenes	11.62	106	83382	10.014	ug/l	100
68) o-Xylene	11.95	106	41334	5.111	ug/l	100
69) Styrene	11.97	104	62859	4.665	ug/l	100
70) Isopropylbenzene	12.25	105	110915	5.285	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.51	83	38410	5.630	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	49271	8.338	ug/l	62
73) Bromobenzene	12.53	156	28045	5.475	ug/l	96
74) n-propylbenzene	12.59	91	128667	5.302	ug/l	98
75) 2-Chlorotoluene	12.68	91	77642	5.121	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	93764	5.185	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	11266	5.550	ug/l	95
78) 4-Chlorotoluene	12.78	91	77348	4.981	ug/l	97
79) tert-butylbenzene	13.00	119	79000	5.024	ug/l	99
80) 1,2,4-Trimethylbenzene	13.05	105	89827	4.990	ug/l	99
81) sec-Butylbenzene	13.18	105	106139	5.171	ug/l	99
82) p-Isopropyltoluene	13.29	119	91381	4.933	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	46583	4.939	ug/l	97
84) 1,4-Dichlorobenzene	13.37	146	46949	4.984	ug/l	99
85) n-Butylbenzene	13.62	91	80558	4.700	ug/l	99
86) Hexachloroethane	13.88	117	16774	5.378	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	47516	5.164	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	8158	5.878	ug/l	95
89) 1,2,4-Trichlorobenzene	14.92	180	28068	4.645	ug/l	98
90) Hexachlorobutadiene	15.02	225	15949	5.411	ug/l	97
91) Naphthalene	15.13	128	80584	4.790	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	27962	4.800	ug/l	96

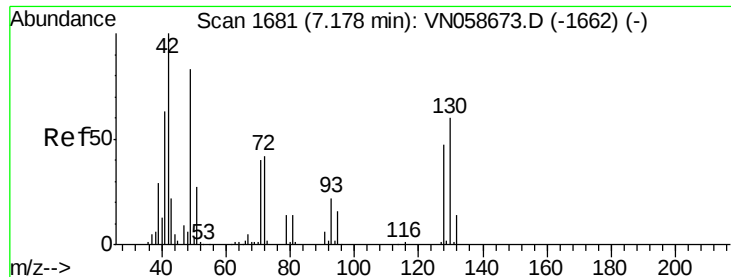
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101119\
Data File : VN058668.D
Acq On : 10 Oct 2019 16:44
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 11 04:13:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 11 04:10:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :

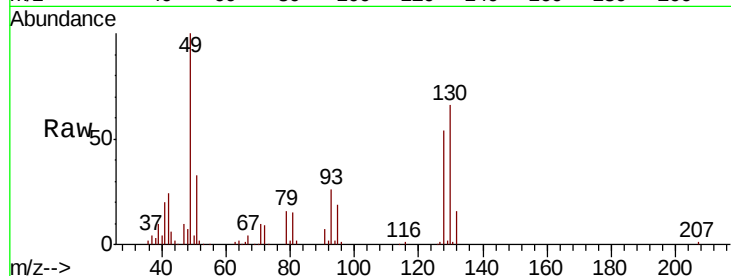
Tot Ion:128 Resp: 71635

Ion Ratio Lower Upper

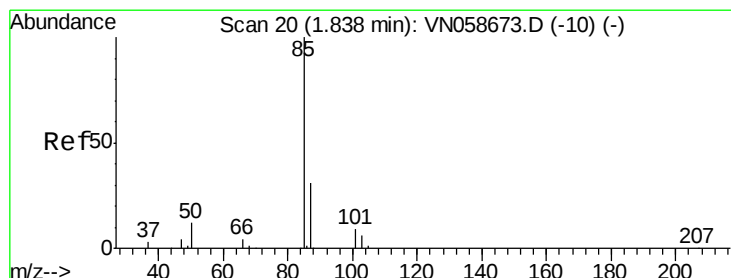
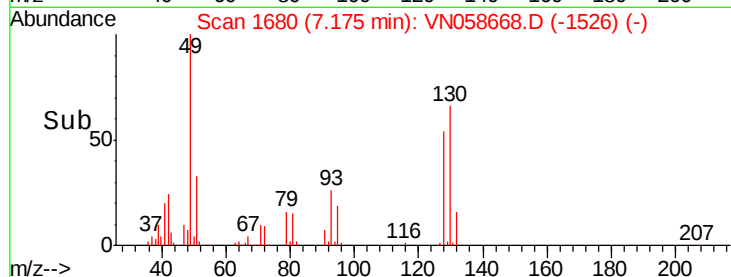
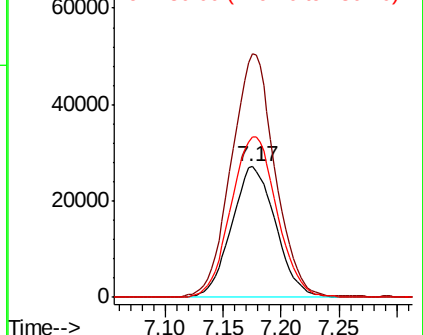
128 100

49 184.3 0.0 453.5

130 128.0 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: 4.857 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058668.D

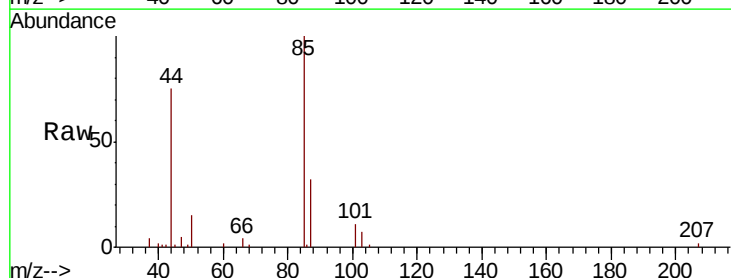
Acq: 10 Oct 2019 16:44

Tgt Ion: 85 Resp: 20578

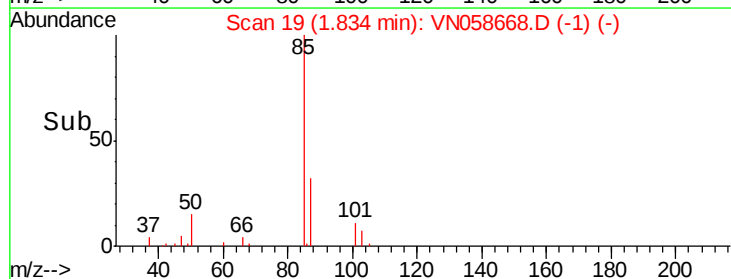
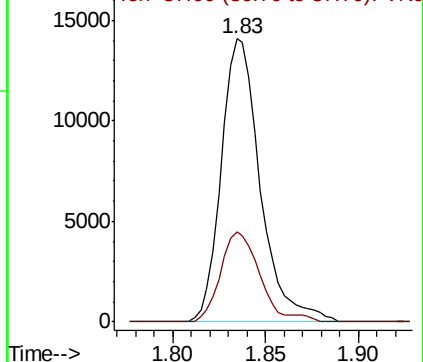
Ion Ratio Lower Upper

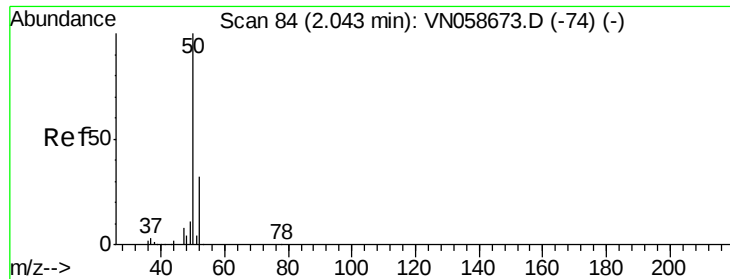
85 100

87 32.0 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: 5.982 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :

MSVOA_N

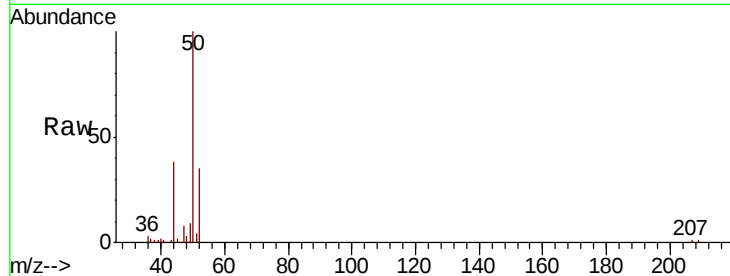
ClientSampleId :

Tot Ion: 50 Resp: 30278

Ion Ratio Lower Upper

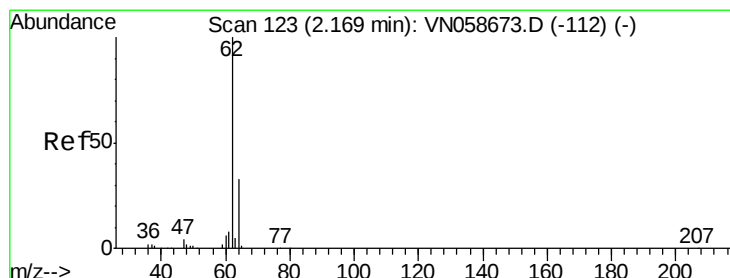
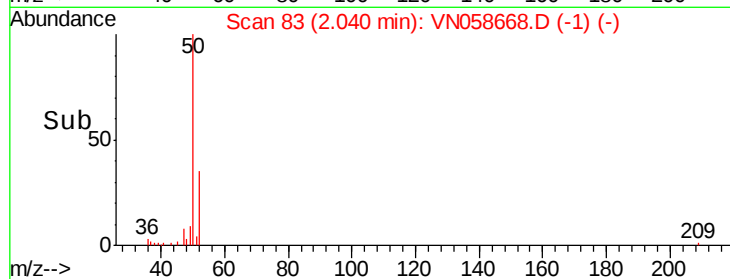
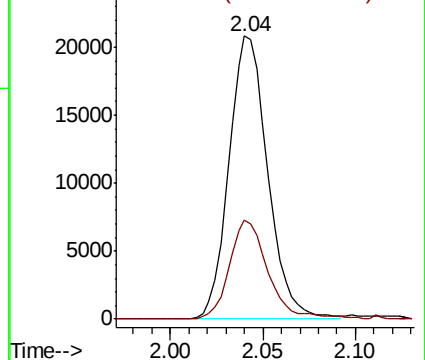
50 100

52 35.0 25.8 38.8



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 5.905 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058668.D

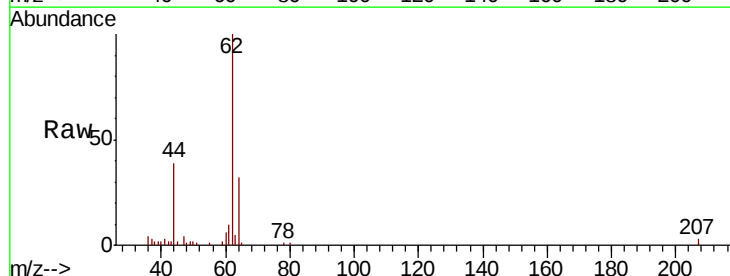
Acq: 10 Oct 2019 16:44

Tgt Ion: 62 Resp: 29998

Ion Ratio Lower Upper

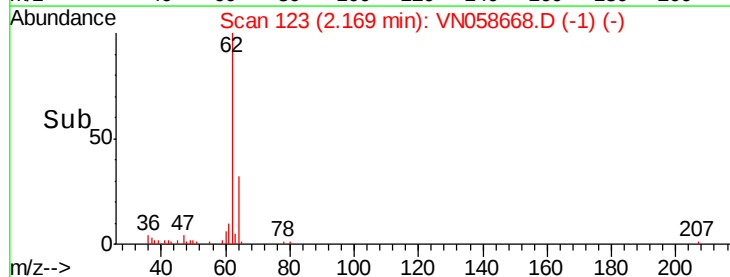
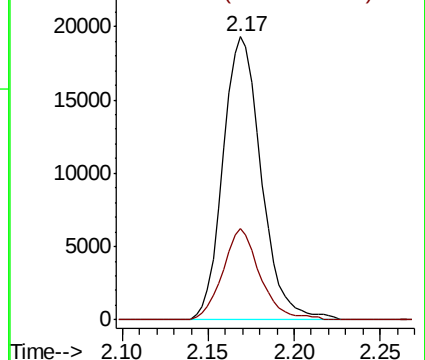
62 100

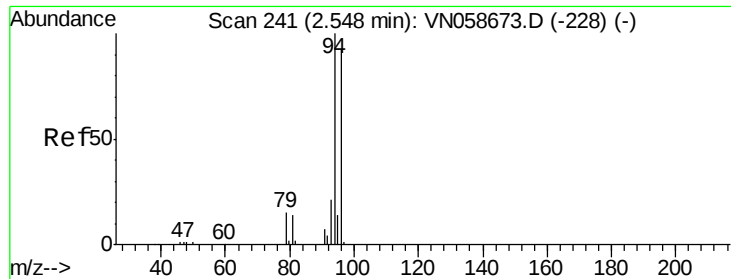
64 32.2 26.1 39.1



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 6.726 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :

MSVOA_N

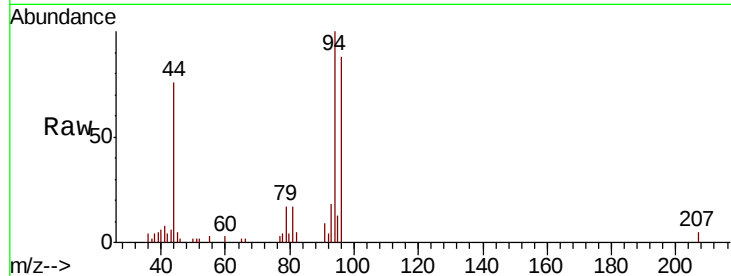
ClientSampled :

Tot Ion: 94 Resp: 19481

Ion Ratio Lower Upper

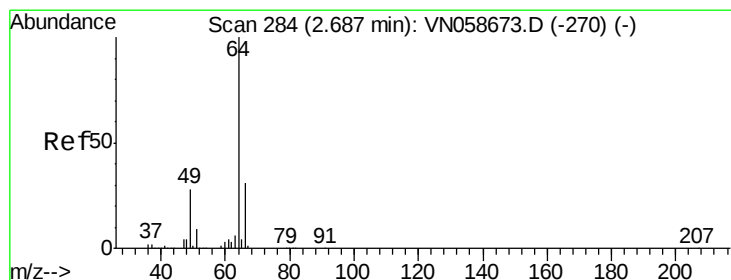
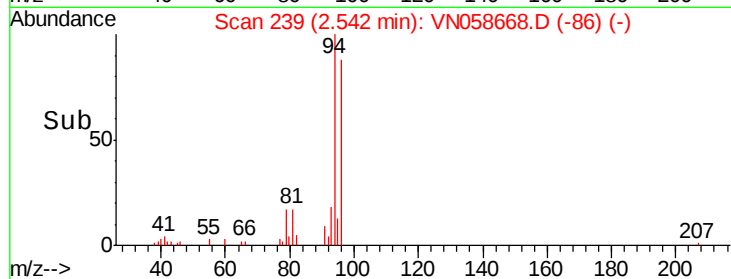
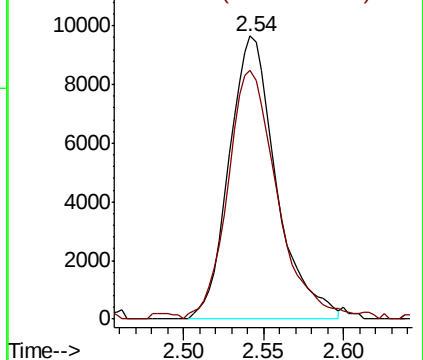
94 100

96 86.1 73.7 110.5



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 6.553 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN058668.D

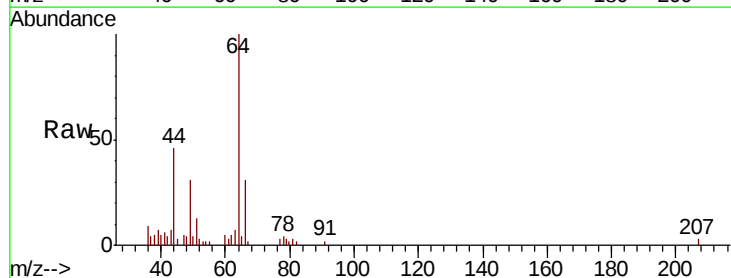
Acq: 10 Oct 2019 16:44

Tgt Ion: 64 Resp: 19860

Ion Ratio Lower Upper

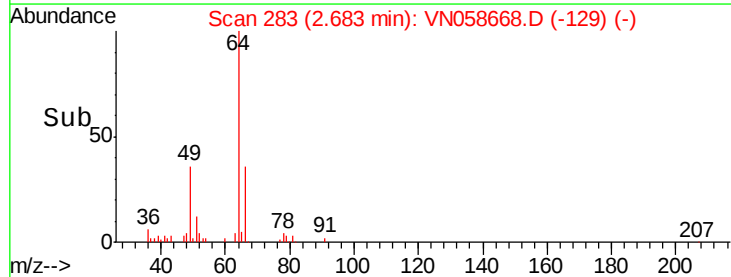
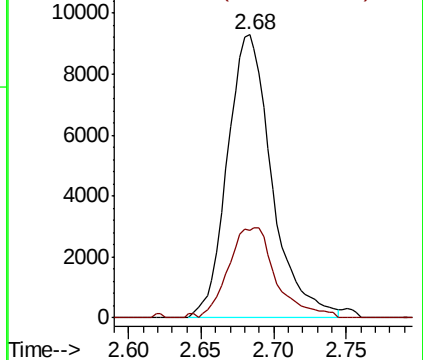
64 100

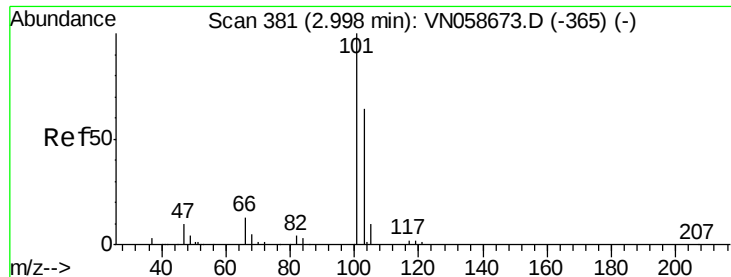
66 31.1 24.6 36.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



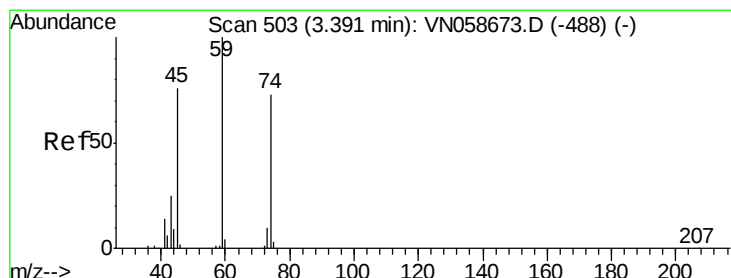
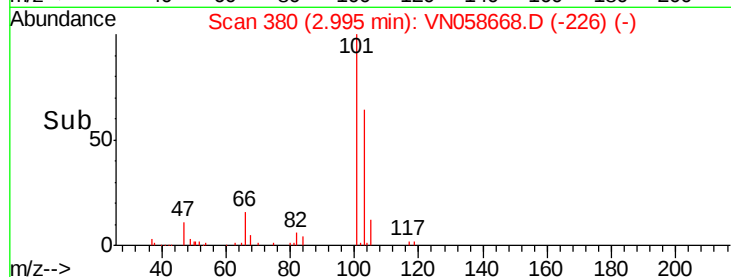
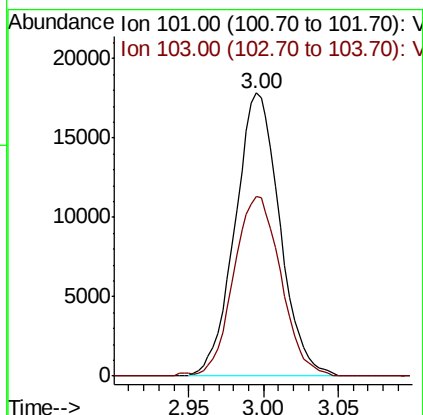
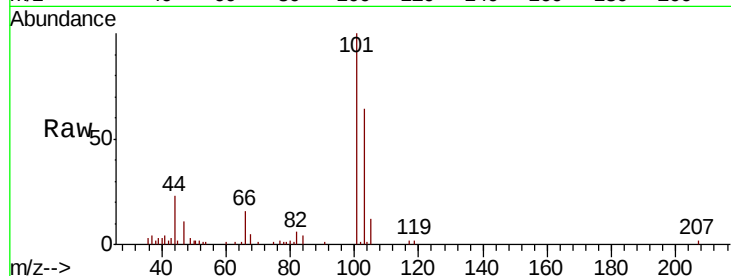


#7

Trichlorofluoromethane
 Concen: 6.180 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

Instrument :
 MSVOA_N
 ClientSampled :

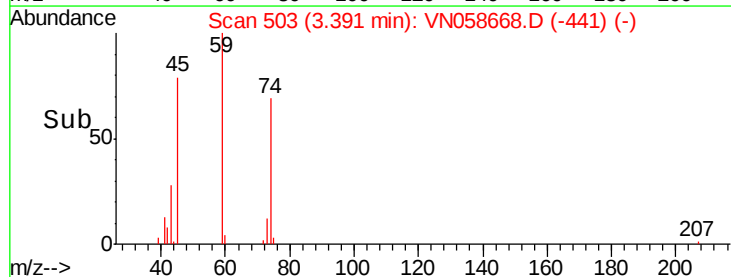
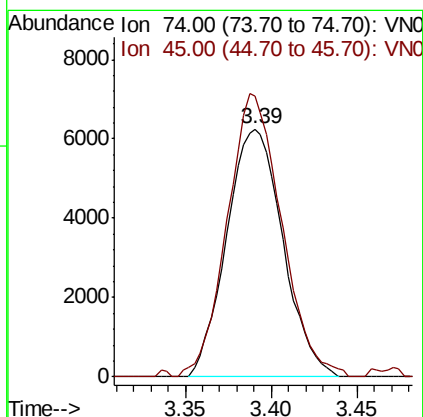
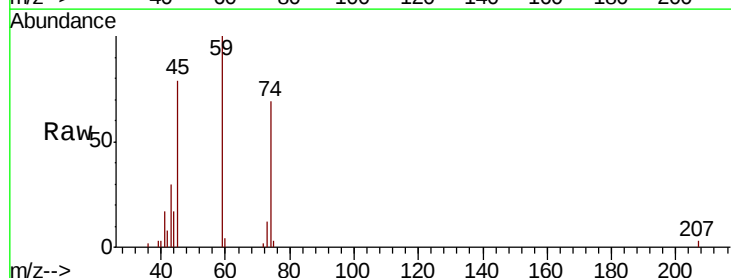
Tot Ion:101 Resp: 37102
 Ion Ratio Lower Upper
 101 100
 103 63.6 51.5 77.3

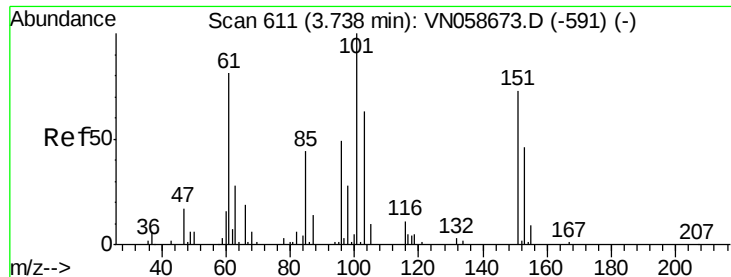


#8

Diethyl Ether
 Concen: 5.449 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

Tgt Ion: 74 Resp: 14214
 Ion Ratio Lower Upper
 74 100
 45 110.4 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.454 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.01 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :

MSVOA_N

ClientSampled :

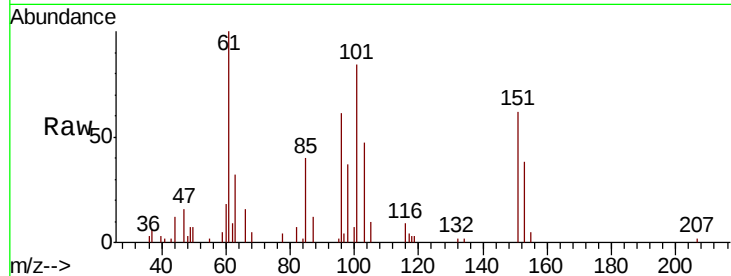
Tot Ion:101 Resp: 21850

Ion Ratio Lower Upper

101 100

85 23.5 0.0 93.8

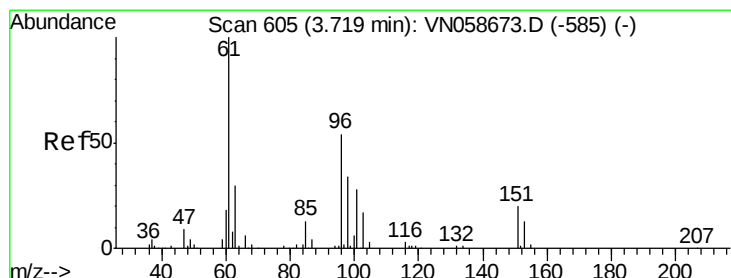
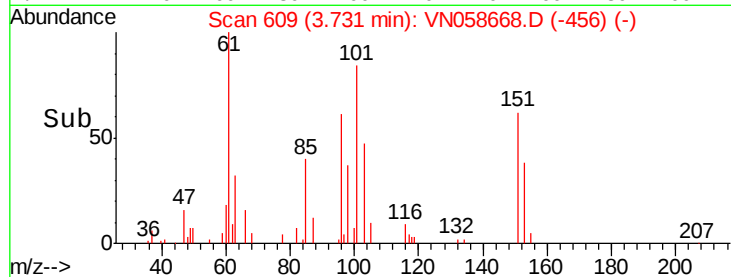
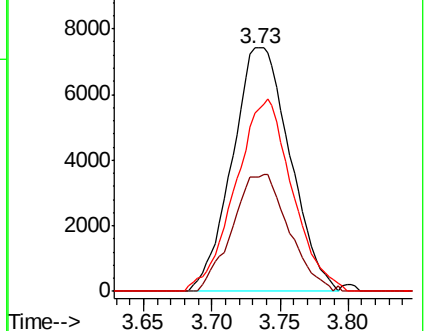
151 77.6 0.0 149.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 5.679 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.01 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

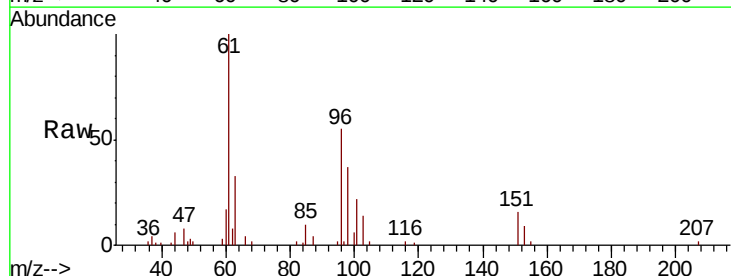
Tgt Ion: 96 Resp: 22283

Ion Ratio Lower Upper

96 100

61 179.4 148.5 222.7

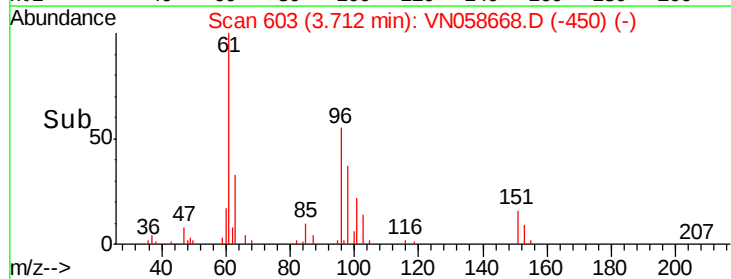
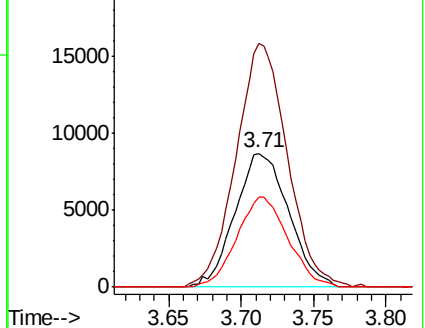
98 66.8 51.0 76.6

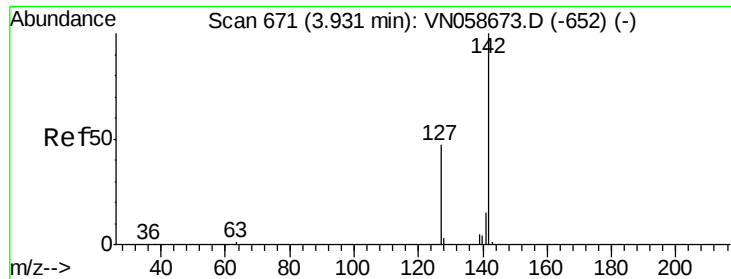


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

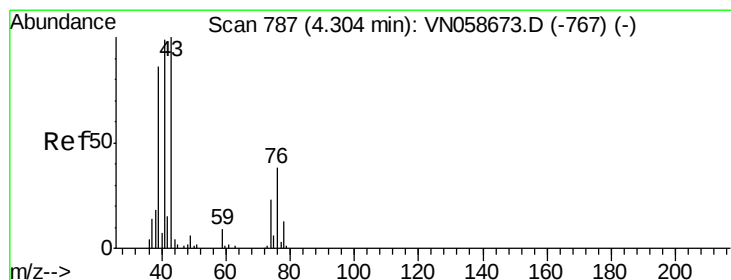
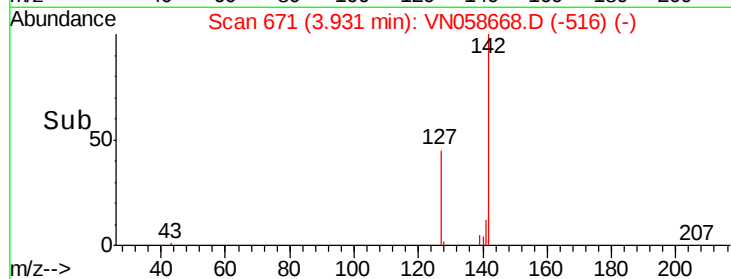
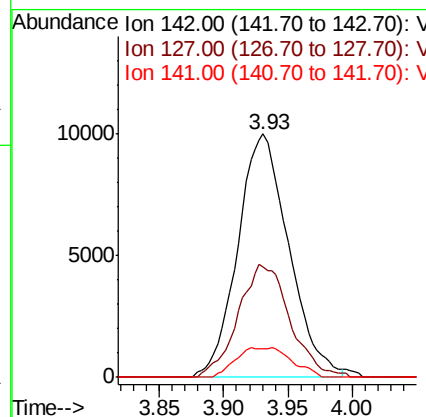
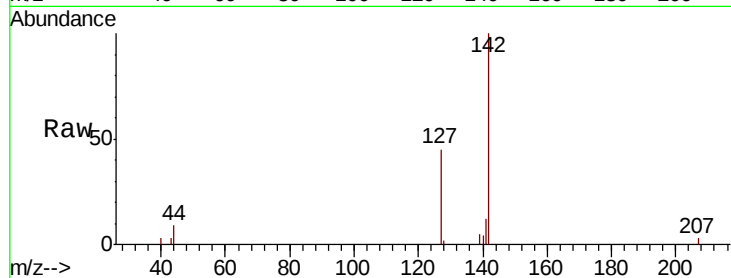




#11
Methvl Iodide
Concen: 6.306 ug/l
RT: 3.93 min Scan# 671
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

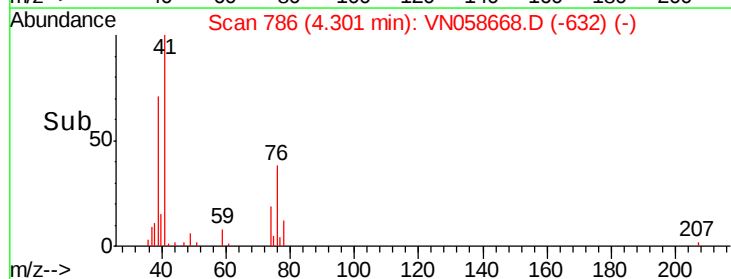
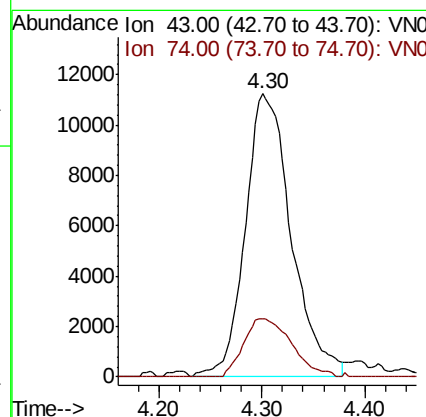
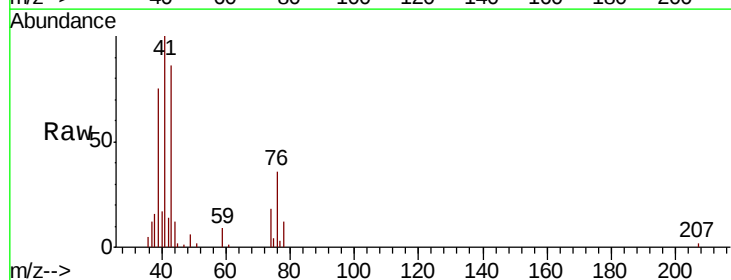
Instrument :
MSVOA_N
ClientSampled :

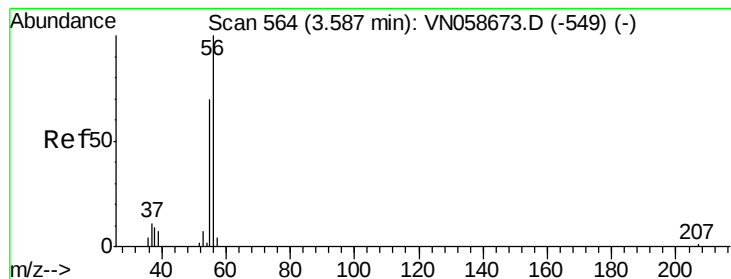
Tot Ion:142 Resp: 27528
Ion Ratio Lower Upper
142 100
127 45.4 23.5 70.6
141 11.8 7.4 22.2



#12
Methyl Acetate
Concen: 6.416 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Tgt Ion: 43 Resp: 34896
Ion Ratio Lower Upper
43 100
74 21.0 18.1 27.1





#13

Acrolein

Concen: 82.495 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :

MSVOA_N

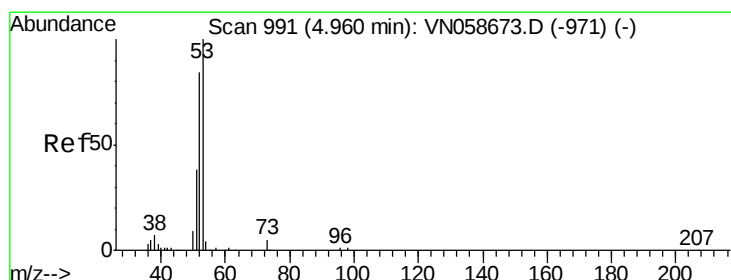
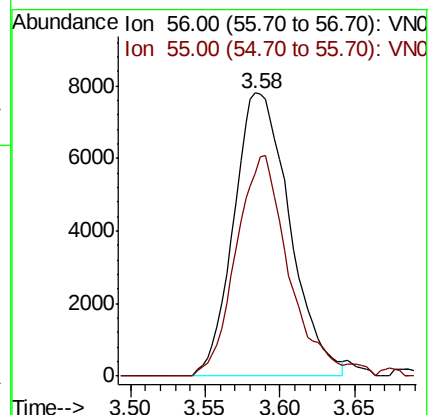
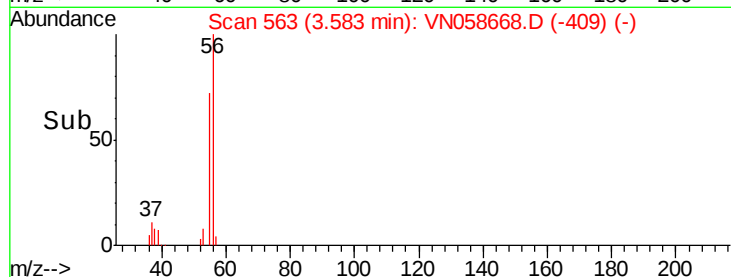
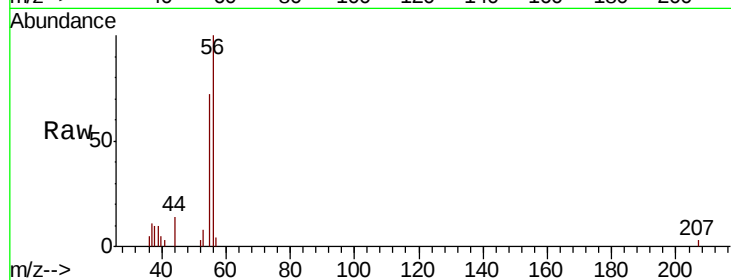
ClientSampleId :

Tot Ion: 56 Resp: 20333

Ion Ratio Lower Upper

56 100

55 72.3 55.9 83.9



#14

Acrylonitrile

Concen: 28.683 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

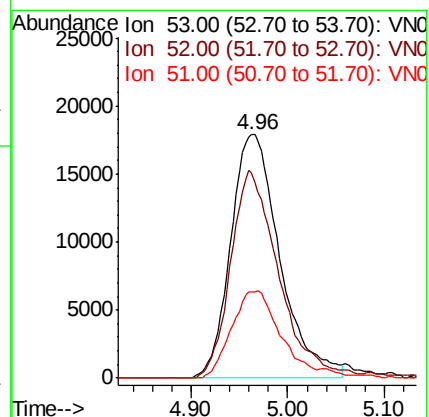
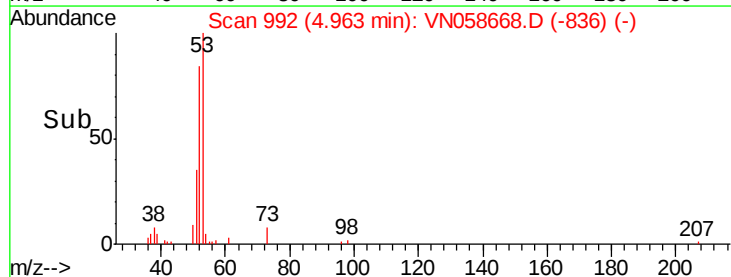
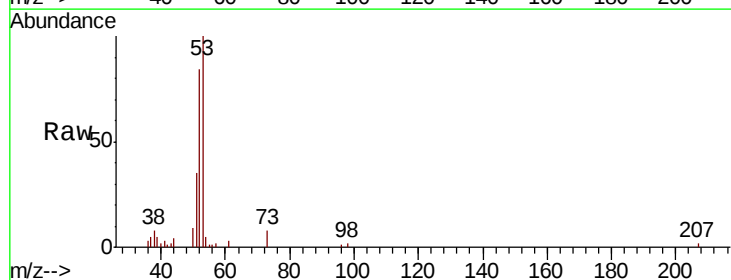
Tgt Ion: 53 Resp: 63269

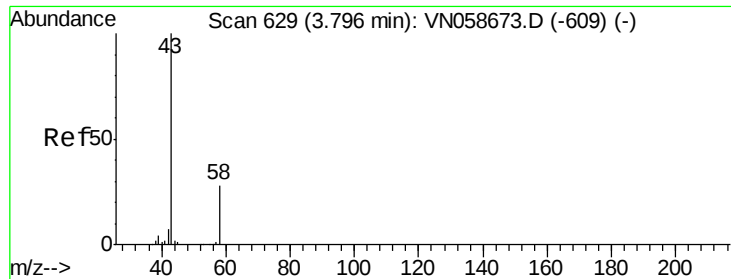
Ion Ratio Lower Upper

53 100

52 82.2 42.2 126.6

51 15.6 18.8 56.4#





#15

Acetone

Concen: 31.935 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :

MSVOA_N

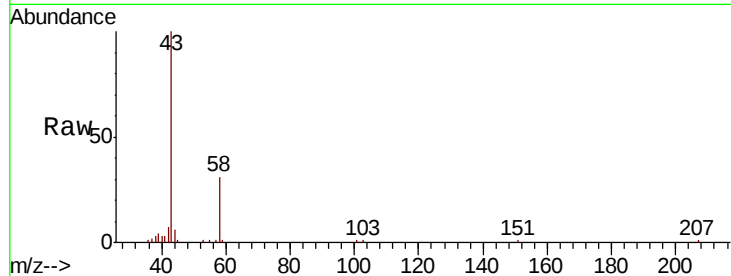
ClientSampled :

Tot Ion: 58 Resp: 19502

Ion Ratio Lower Upper

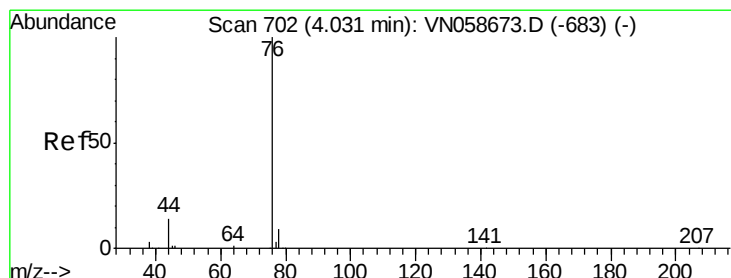
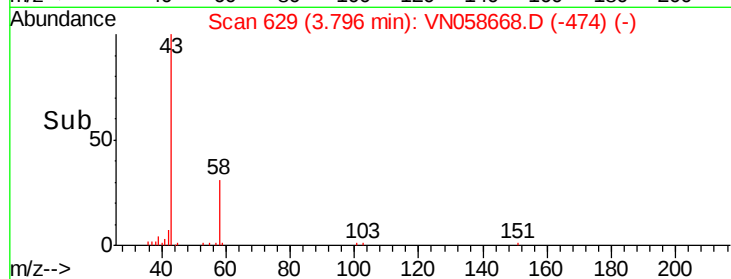
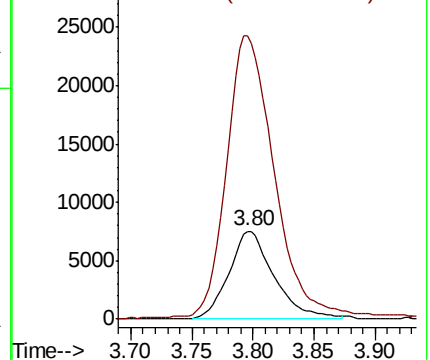
58 100

43 315.8 281.7 422.5



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 5.759 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN058668.D

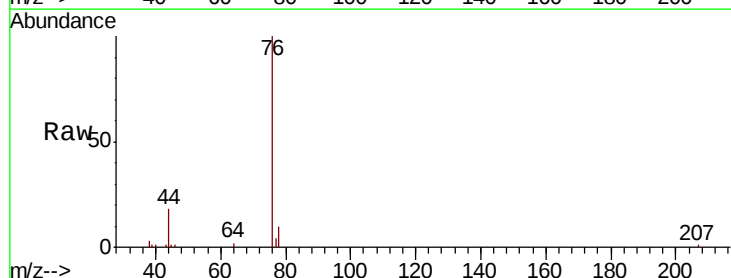
Acq: 10 Oct 2019 16:44

Tgt Ion: 76 Resp: 64268

Ion Ratio Lower Upper

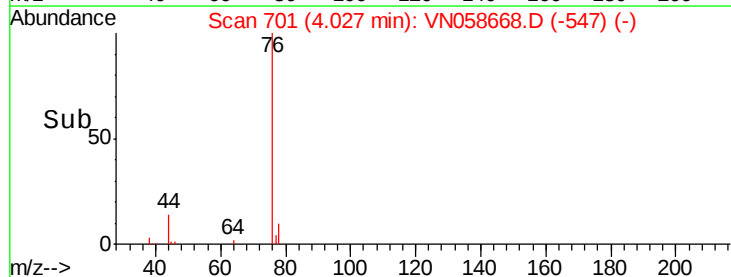
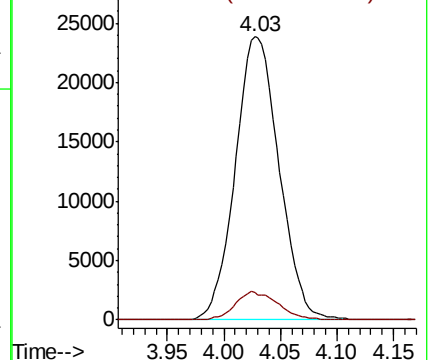
76 100

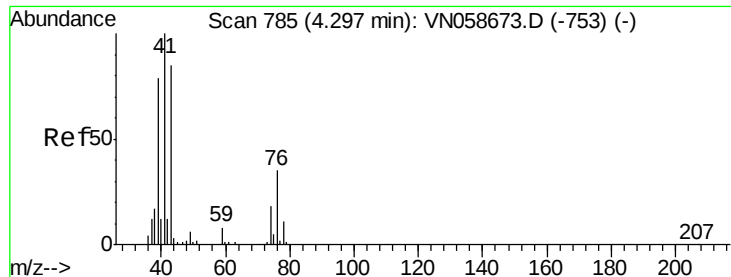
78 9.6 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

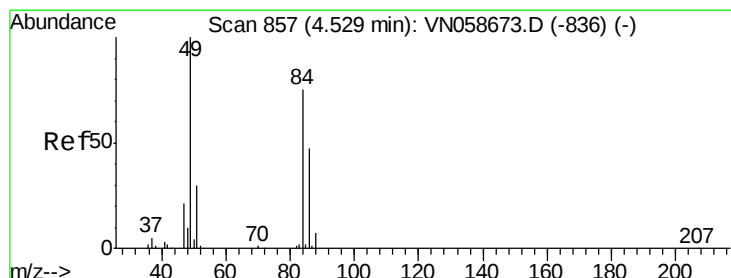
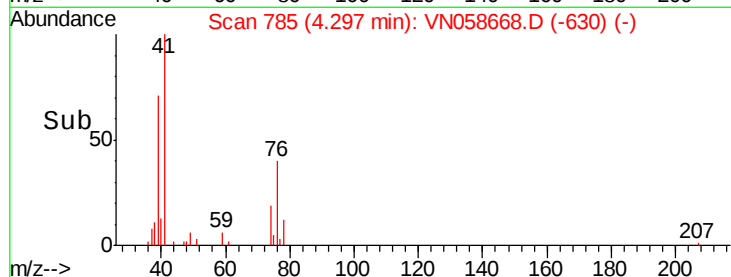
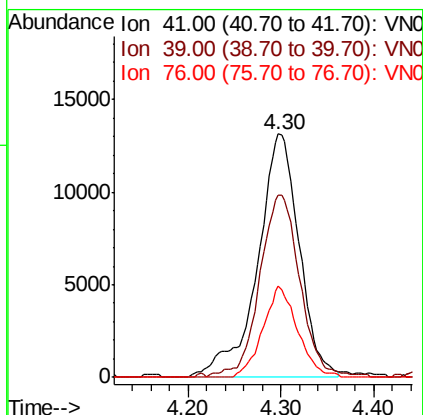
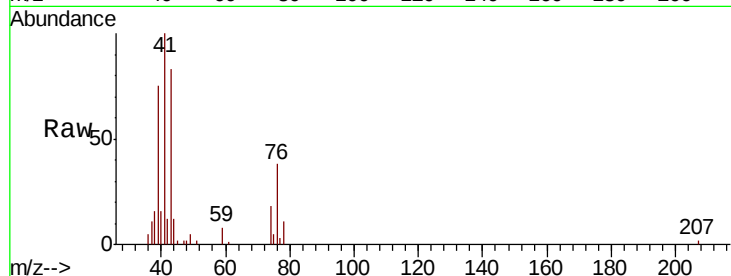




#17
Allvl chloride
Concen: 5.528 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

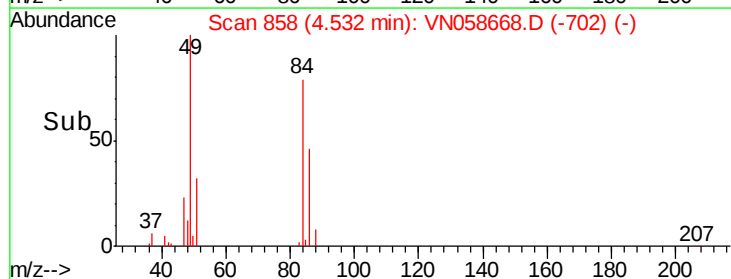
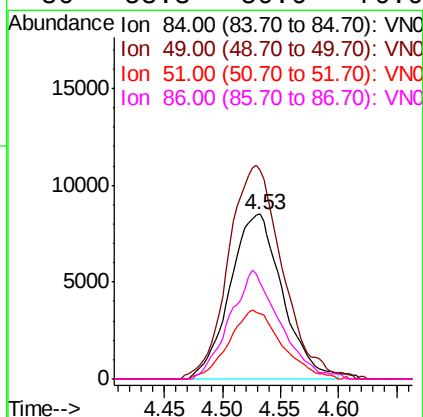
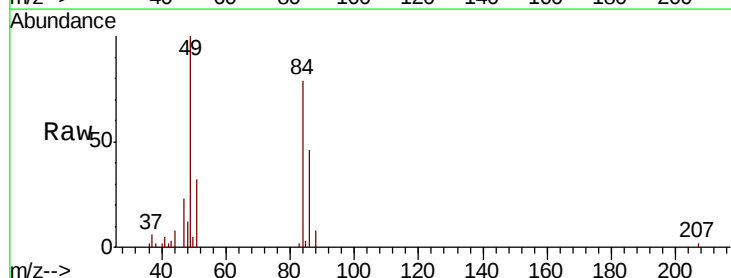
Instrument :
MSVOA_N
ClientSampleId :

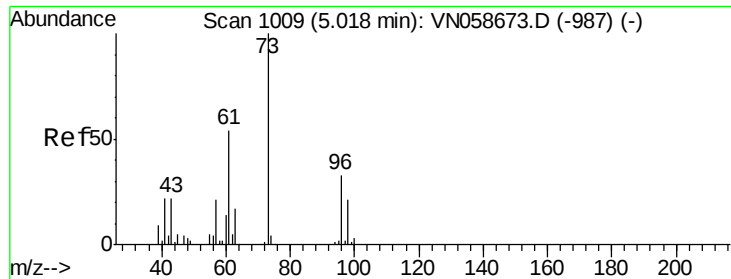
Tot Ion: 41 Resp: 41103
Ion Ratio Lower Upper
41 100
39 75.0 39.6 118.8
76 37.7 17.6 52.9



#18
Methylene Chloride
Concen: 5.771 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Tgt Ion: 84 Resp: 26801
Ion Ratio Lower Upper
84 100
49 123.0 106.6 160.0
51 40.0 32.4 48.6
86 58.3 50.6 76.0

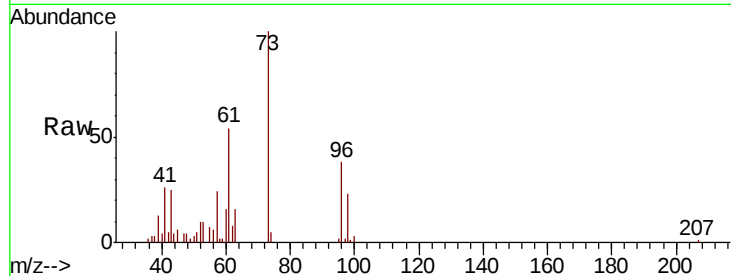




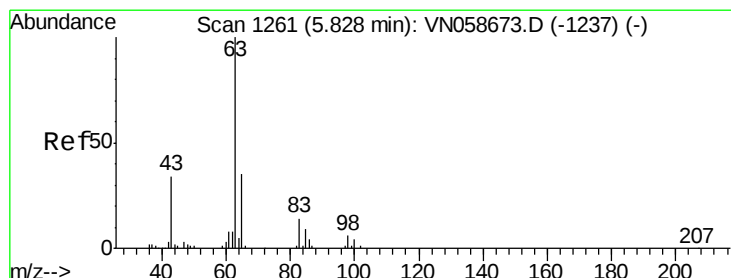
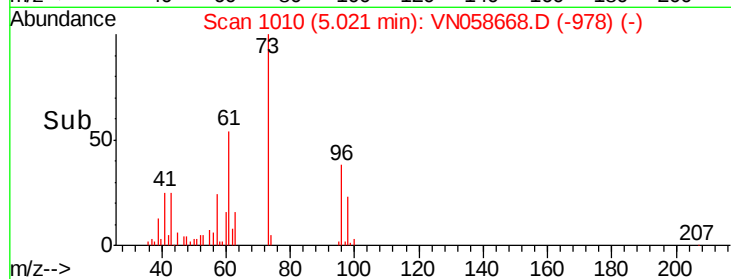
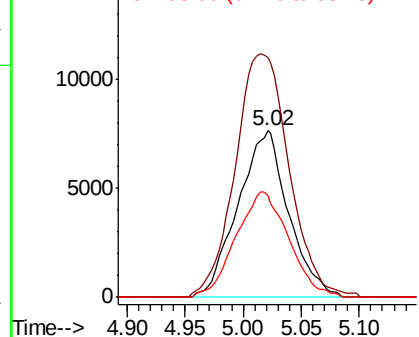
#19
trans-1,2-Dichloroethene
Concen: 5.288 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 23186
Ion Ratio Lower Upper
96 100
61 141.7 131.8 197.6
98 61.0 52.6 79.0

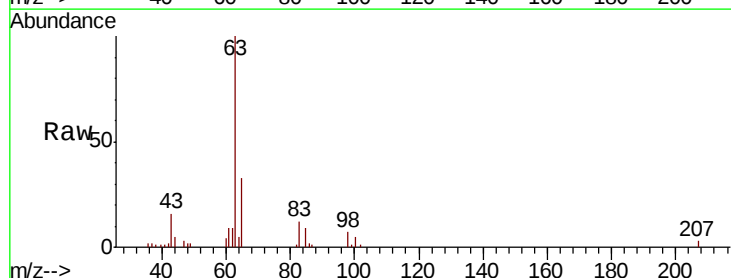


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

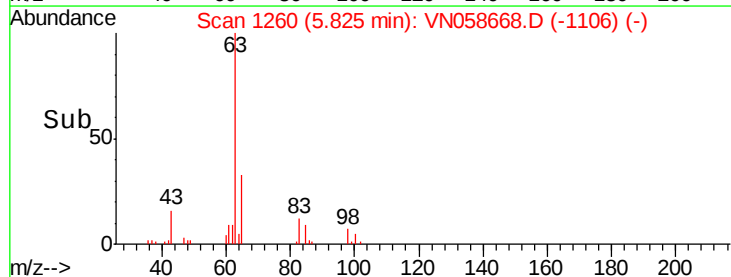
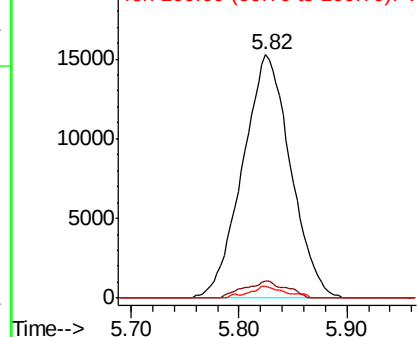


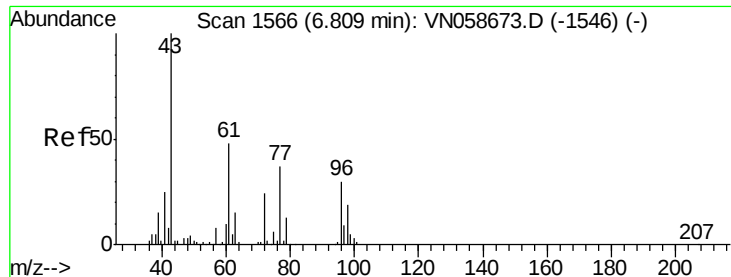
#21
1,1-Dichloroethane
Concen: 5.381 ug/l
RT: 5.82 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Tgt Ion: 63 Resp: 47148
Ion Ratio Lower Upper
63 100
98 7.2 2.9 8.6
100 5.0 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

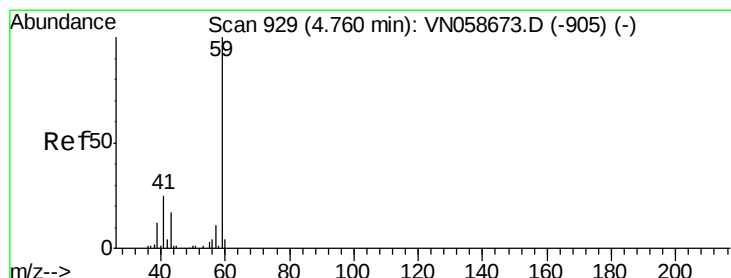
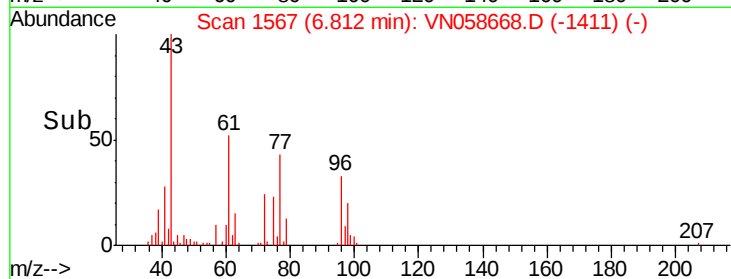
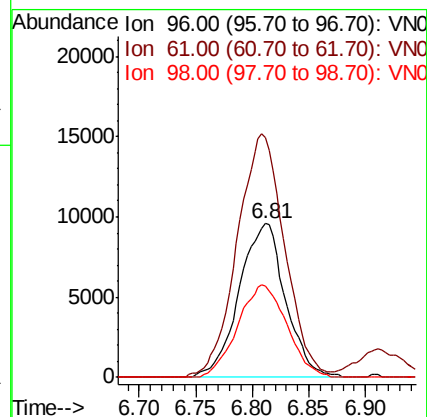
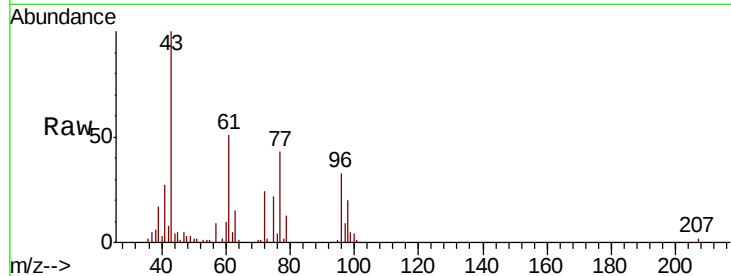




#22
 cis-1,2-Dichloroethene
 Concen: 5.338 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

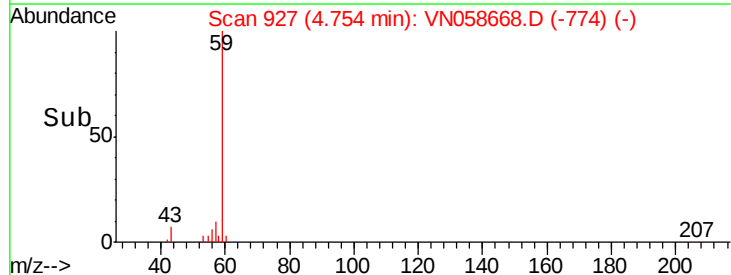
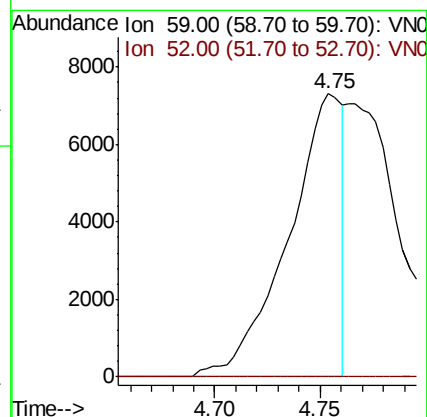
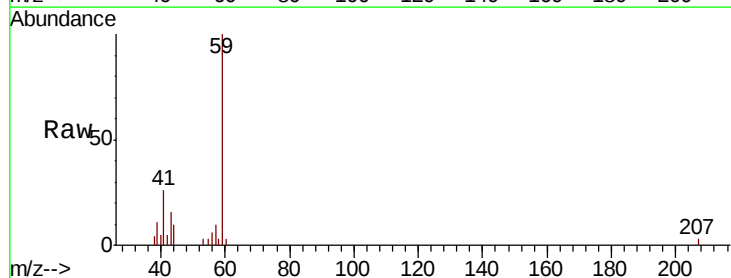
Instrument :
 MSVOA_N
 ClientSampled :

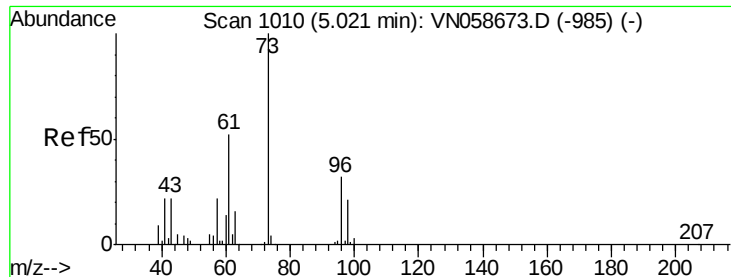
Tot Ion	96	Resp	27298
Ion	Ratio	Lower	Upper
96	100		
61	161.9	127.2	190.8
98	63.7	50.5	75.7



#23
 tert-Butyl Alcohol
 Concen: 15.502 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

Tgt Ion	59	Resp	12964
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

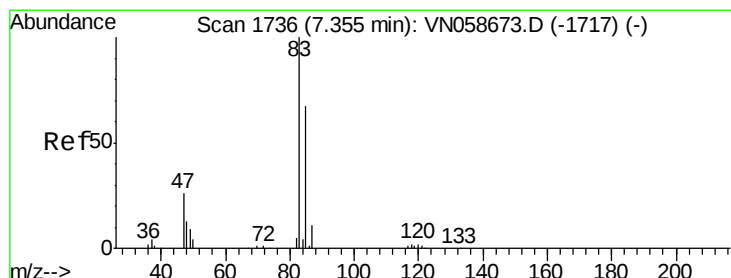
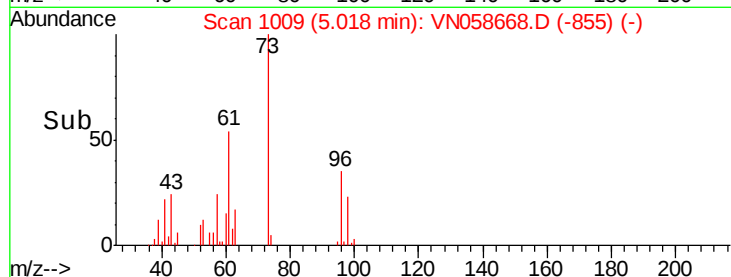
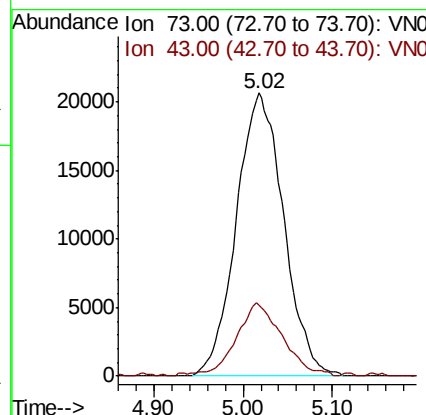
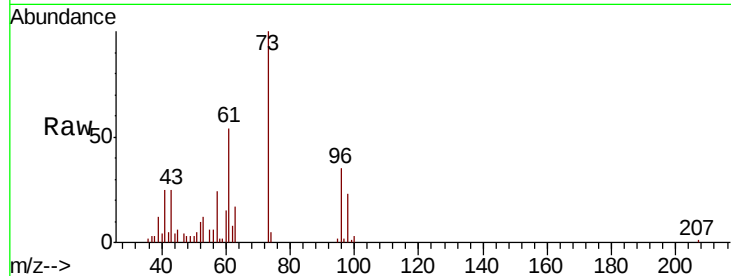




#24
Methvl tert-Butvl Ether
Concen: 5.361 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

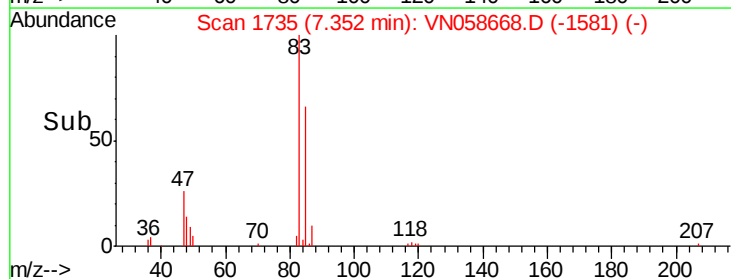
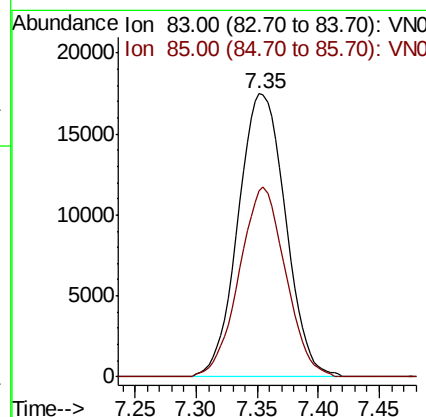
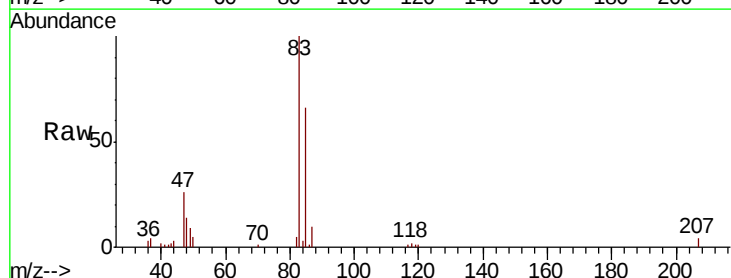
Instrument :
MSVOA_N
ClientSampled :

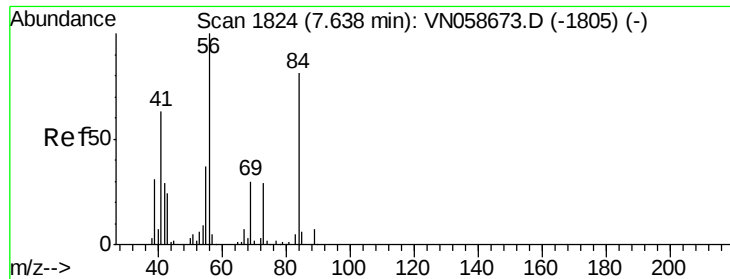
Tot Ion: 73 Resp: 76102
Ion Ratio Lower Upper
73 100
43 22.1 17.9 26.9



#25
Chloroform
Concen: 5.318 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Tgt Ion: 83 Resp: 47130
Ion Ratio Lower Upper
83 100
85 65.8 53.8 80.8

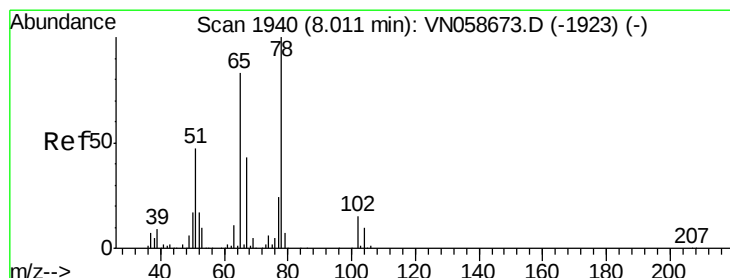
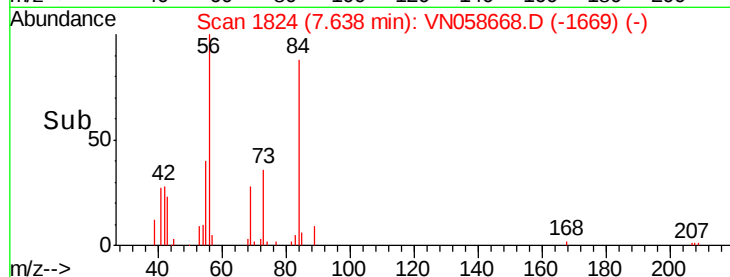
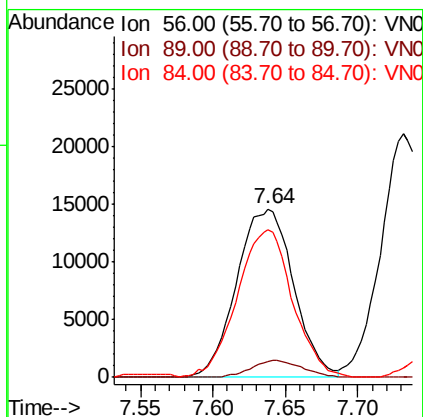
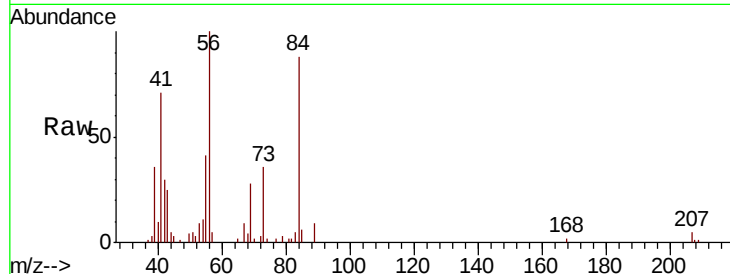




#26
Cyclohexane
Concen: 4.941 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

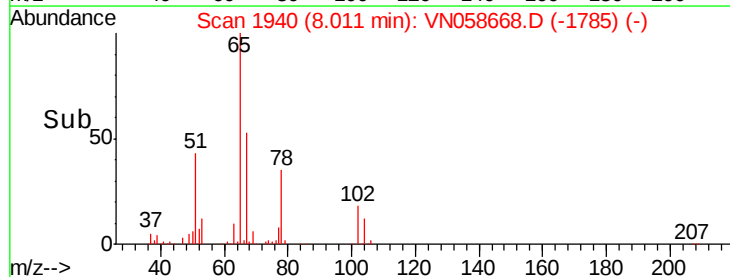
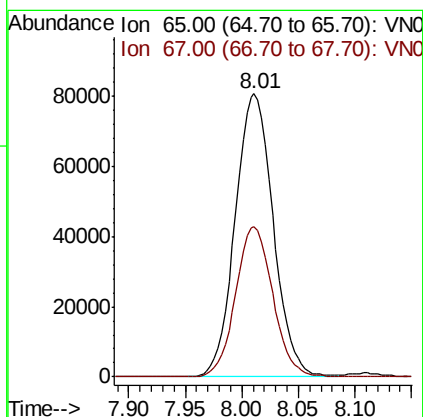
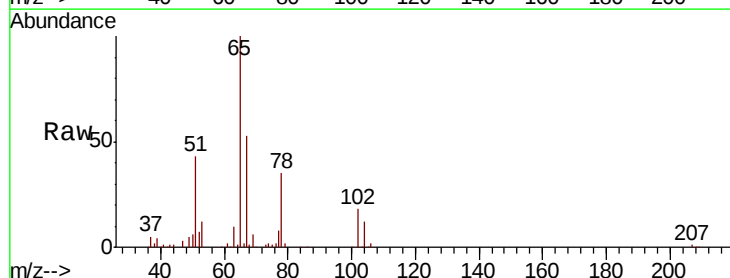
Instrument :
MSVOA_N
ClientSampleId :

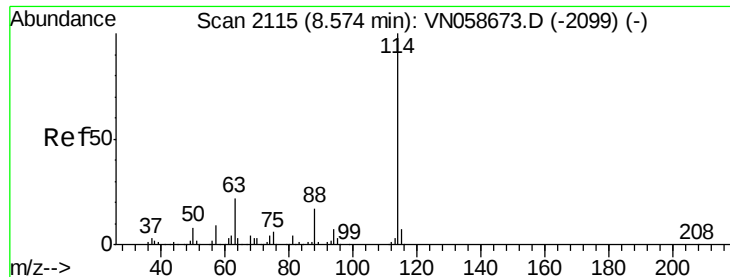
Tot Ion: 56 Resp: 39892
Ion Ratio Lower Upper
56 100
89 8.8 6.2 9.2
84 85.1 65.6 98.4



#27
1,2-Dichloroethane-d4
Concen: 30.134 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Tgt Ion: 65 Resp: 189310
Ion Ratio Lower Upper
65 100
67 51.9 41.5 62.3

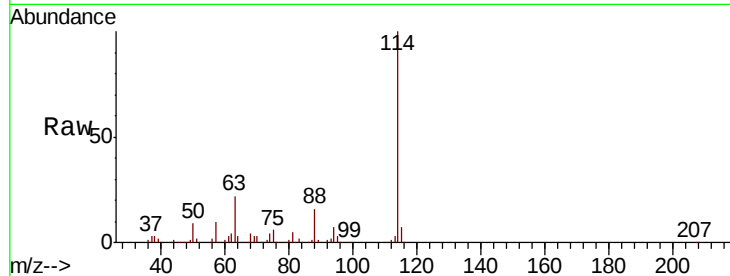




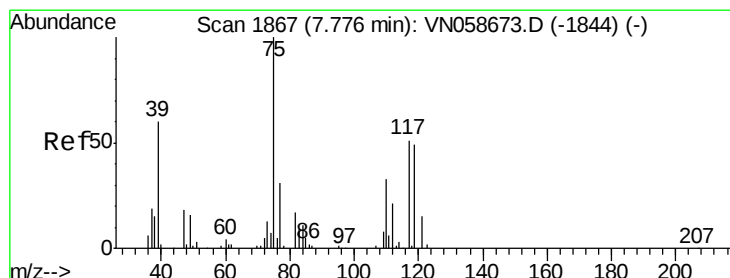
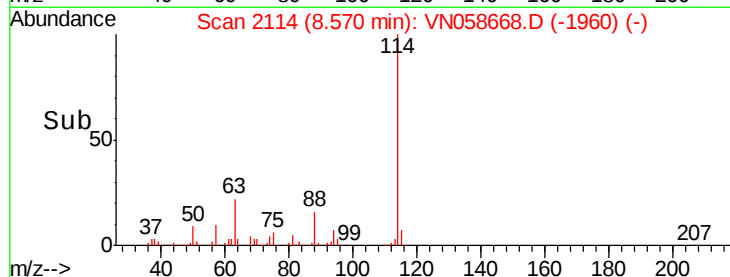
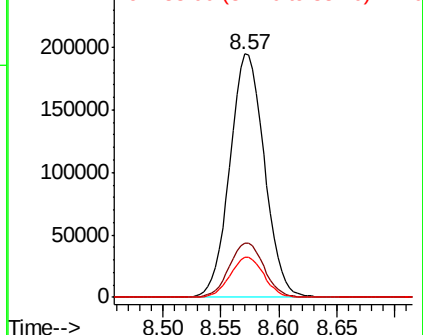
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 403969
 Ion Ratio Lower Upper
 114 100
 63 22.5 18.1 27.1
 88 16.2 13.0 19.4

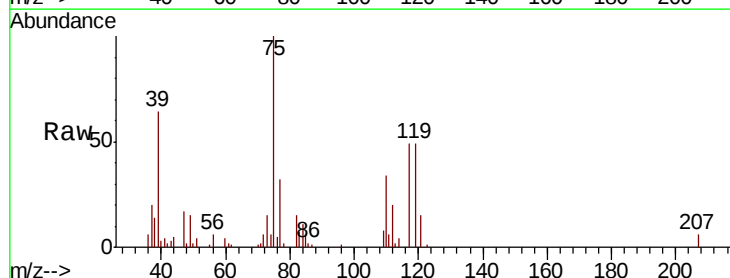


Abundance Ion 114.00 (113.70 to 114.70): VN058668.D (-1960) (-)
 Ion 63.00 (62.70 to 63.70): VN058668.D (-1960) (-)
 Ion 88.00 (87.70 to 88.70): VN058668.D (-1960) (-)

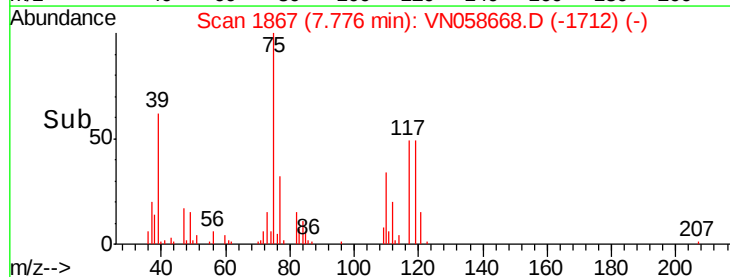
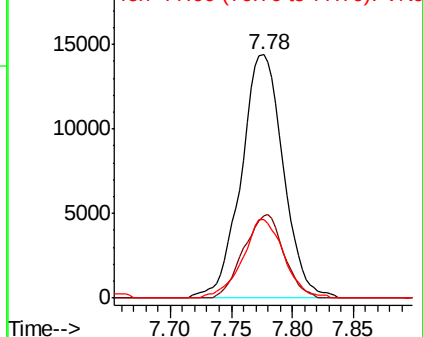


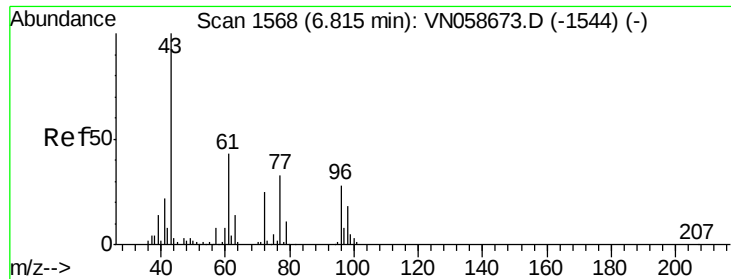
#29
 1,1-Dichloropropene
 Concen: 5.200 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

Tgt Ion: 75 Resp: 34349
 Ion Ratio Lower Upper
 75 100
 110 32.7 0.0 64.6
 77 31.6 0.0 60.8



Abundance Ion 75.00 (74.70 to 75.70): VN058668.D (-1712) (-)
 Ion 110.00 (109.70 to 110.70): VN058668.D (-1712) (-)
 Ion 77.00 (76.70 to 77.70): VN058668.D (-1712) (-)

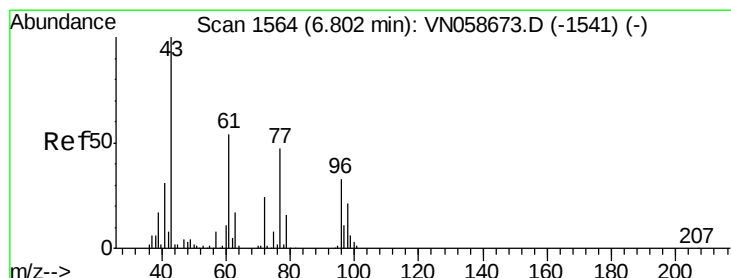
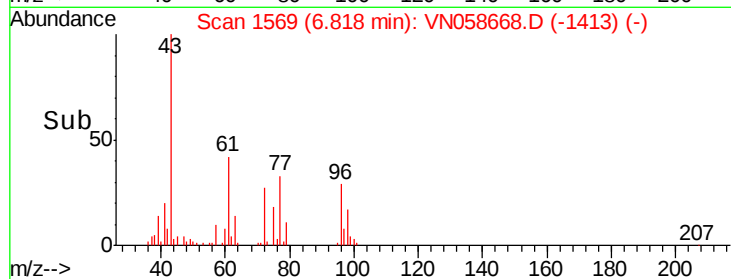
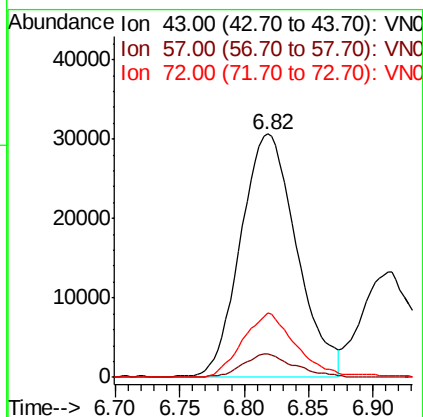
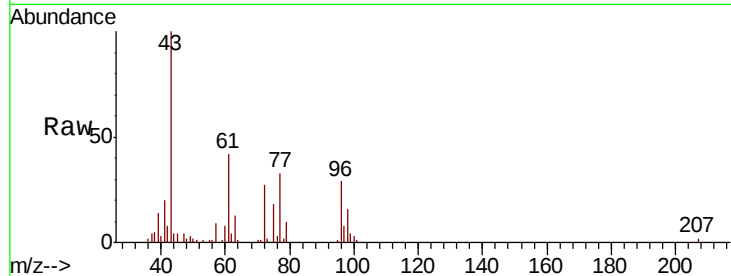




#30
2-Butanone
Concen: 29.644 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

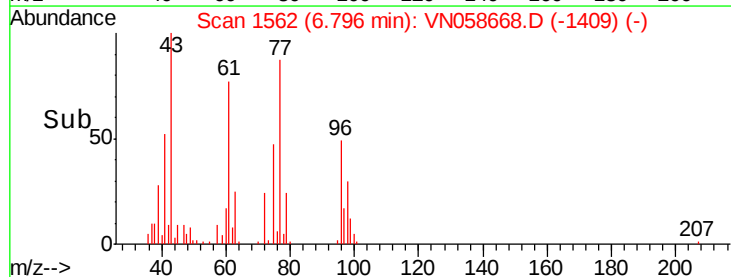
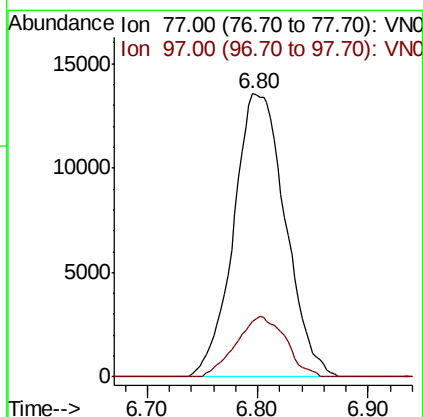
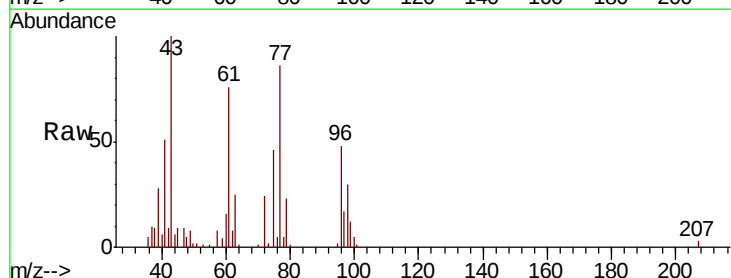
Instrument :
MSVOA_N
ClientSampled :

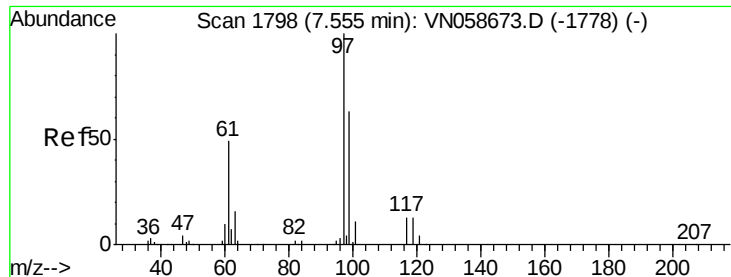
Tot Ion: 43 Resp: 92432
Ion Ratio Lower Upper
43 100
57 8.9 6.5 9.7
72 25.2 20.1 30.1



#31
2,2-Dichloropropane
Concen: 6.348 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.01 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Tgt Ion: 77 Resp: 44155
Ion Ratio Lower Upper
77 100
97 20.5 17.9 26.9





#32

1,1,1-Trichloroethane

Concen: 5.663 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :

MSVOA_N

ClientSampled :

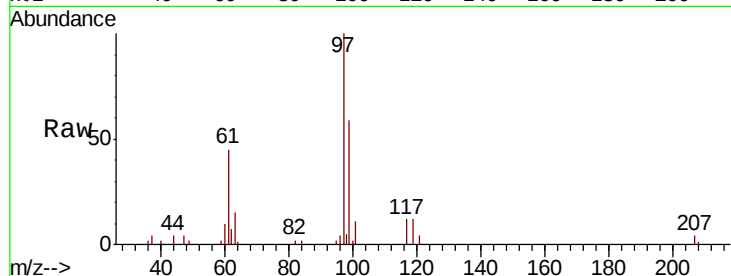
Tot Ion: 97 Resp: 41092

Ion Ratio Lower Upper

97 100

99 62.8 51.3 76.9

61 48.0 38.4 57.6

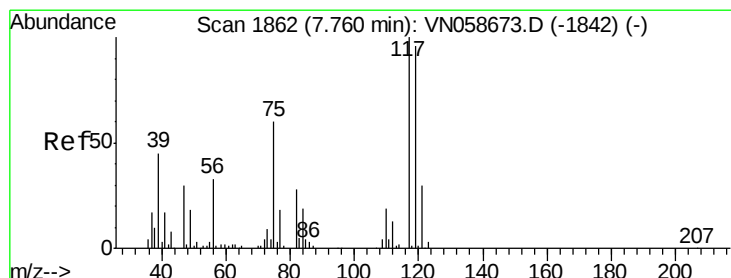
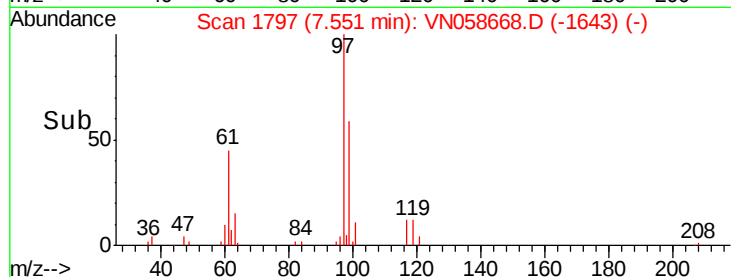
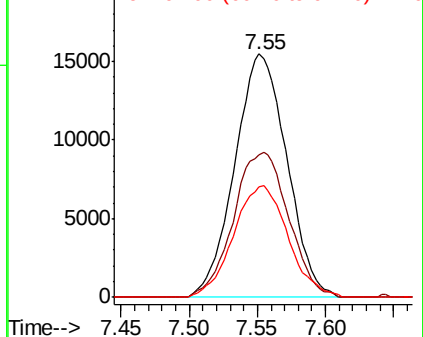


Abundance

Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#33

Carbon Tetrachloride

Concen: 5.551 ug/l

RT: 7.75 min Scan# 1860

Delta R.T. -0.01 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

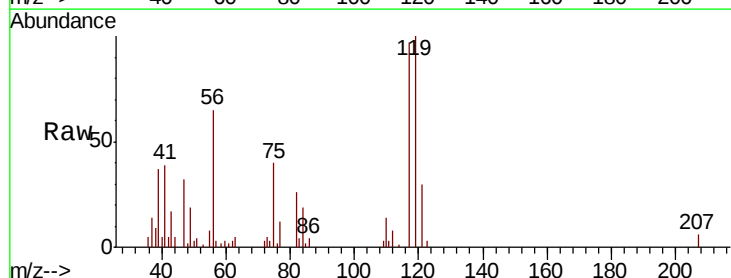
Tgt Ion: 117 Resp: 34356

Ion Ratio Lower Upper

117 100

119 103.0 76.9 115.3

121 30.4 23.8 35.8

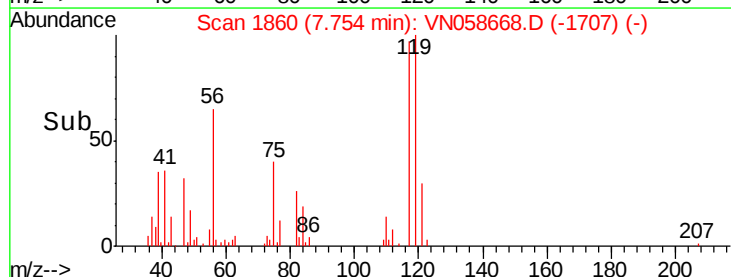
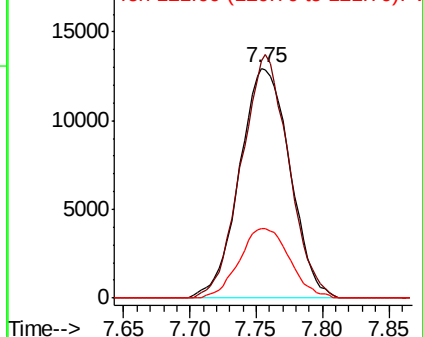


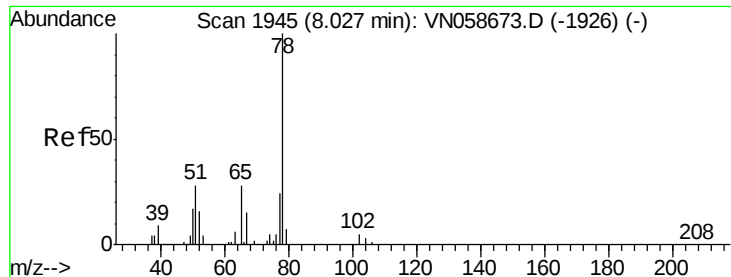
Abundance

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: 5.568 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

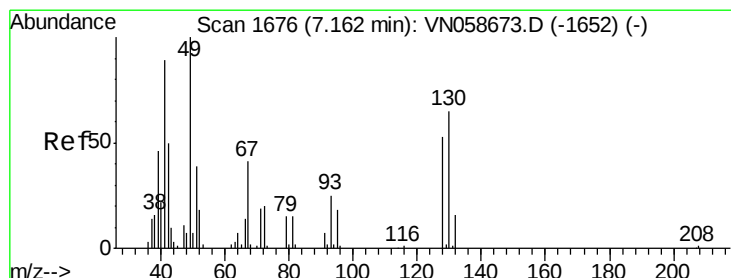
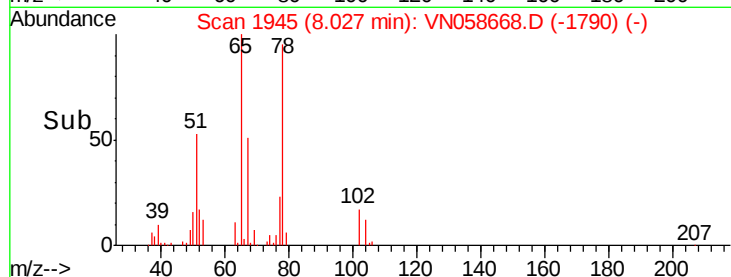
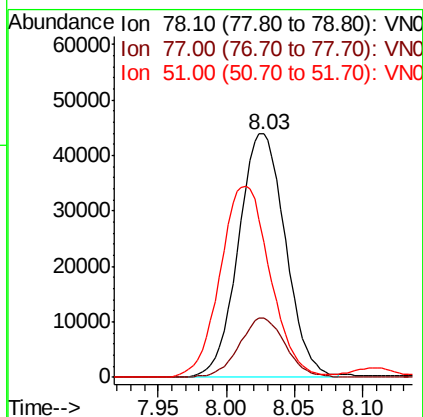
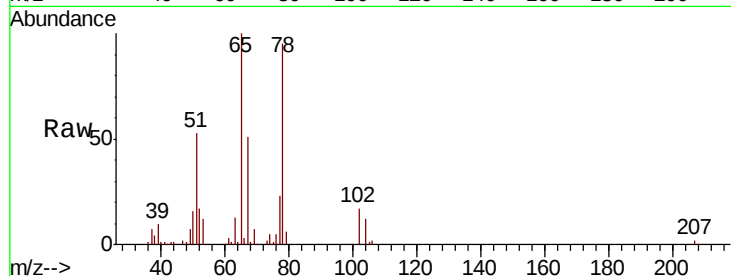
Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 78 Resp: 105006

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.2	28.8
51	54.1	22.1	33.1#



#35

Methacrylonitrile

Concen: 19.233 ug/l

RT: 7.19 min Scan# 1686

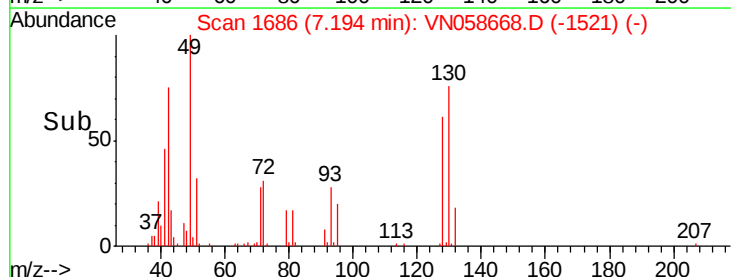
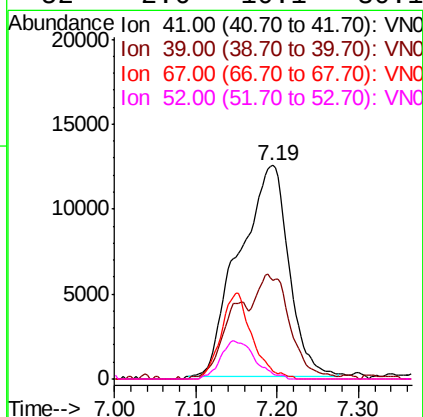
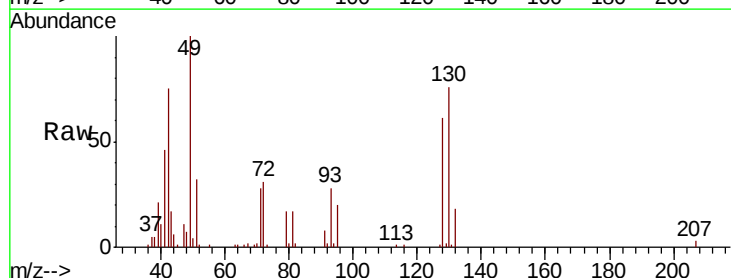
Delta R.T. 0.03 min

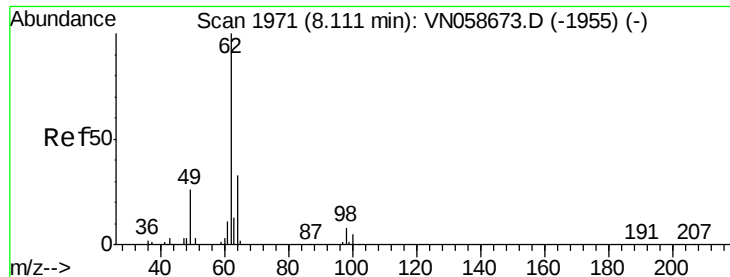
Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Tgt Ion: 41 Resp: 52602

Ion	Ratio	Lower	Upper
41	100		
39	46.8	25.8	77.4
67	3.9	23.0	69.0#
52	2.6	10.1	30.1#





#36

1,2-Dichloroethane

Concen: 5.446 ug/l

RT: 8.11 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :

MSVOA_N

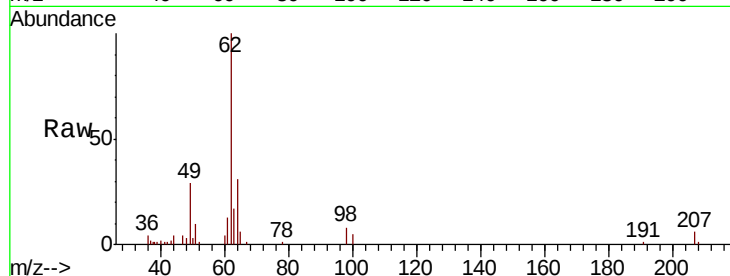
ClientSampleId :

Tot Ion: 62 Resp: 40196

Ion Ratio Lower Upper

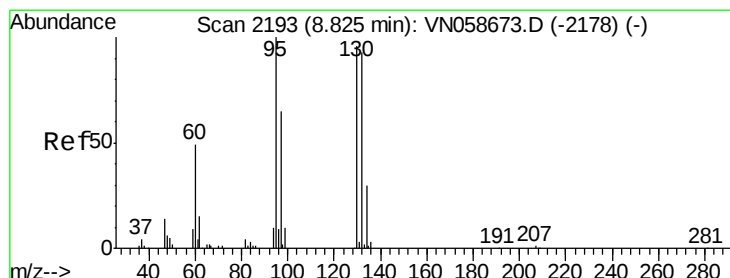
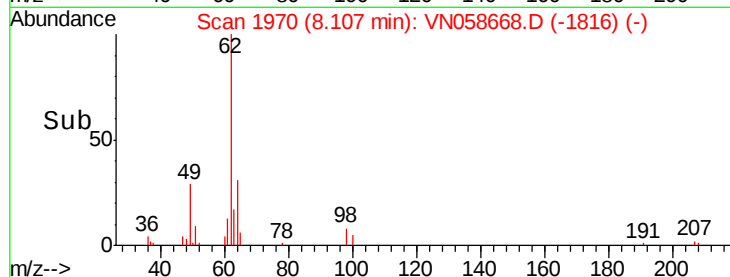
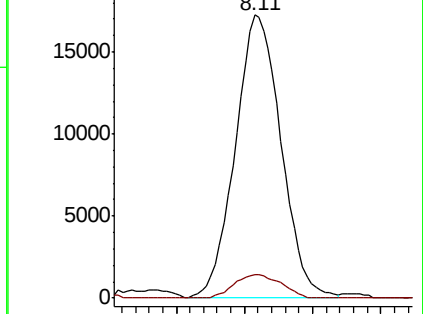
62 100

98 8.5 6.4 9.6



Abundance Ion 62.00 (61.70 to 62.70): VN058673.D (-1955) (-)

Ion 98.00 (97.70 to 98.70): VN058673.D (-1955) (-)



#37

Trichloroethene

Concen: 5.371 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058668.D

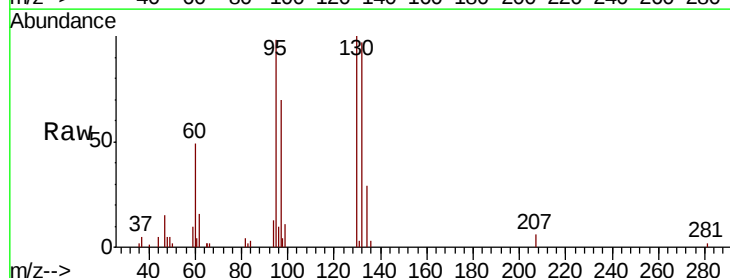
Acq: 10 Oct 2019 16:44

Tgt Ion: 130 Resp: 25312

Ion Ratio Lower Upper

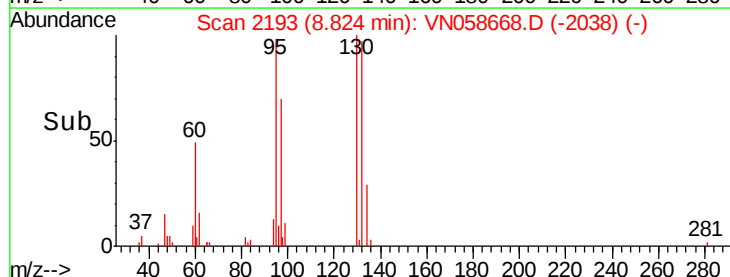
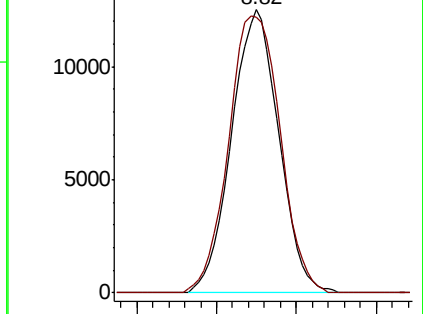
130 100

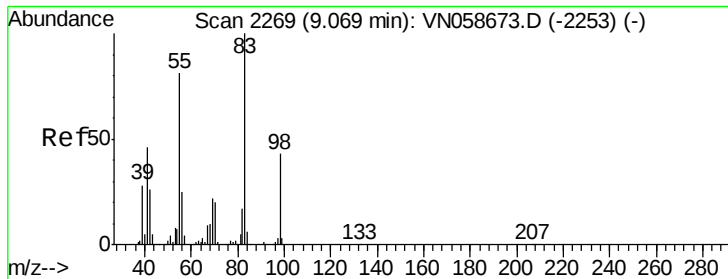
95 97.5 83.2 124.8



Abundance Ion 129.90 (129.60 to 130.60): VN058673.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN058673.D (-2178) (-)

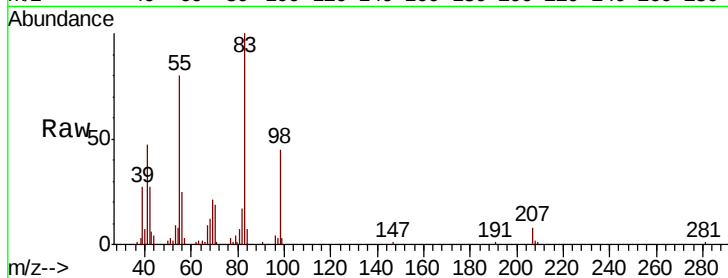




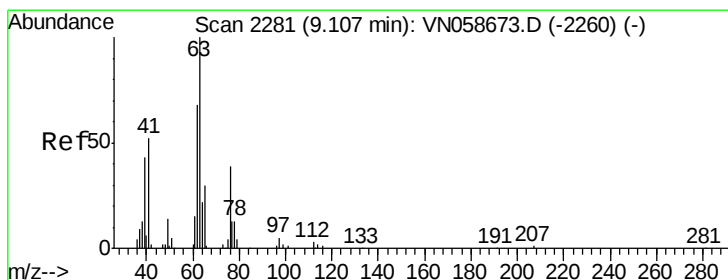
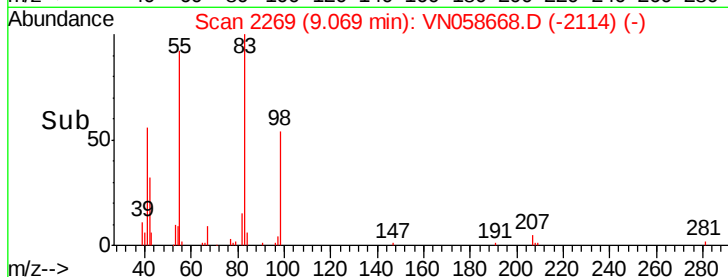
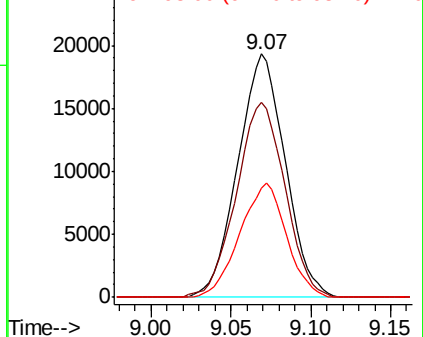
#38
Methylcyclohexane
Concen: 4.927 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 39121
Ion Ratio Lower Upper
83 100
55 82.0 40.4 121.1
98 46.1 21.6 65.0

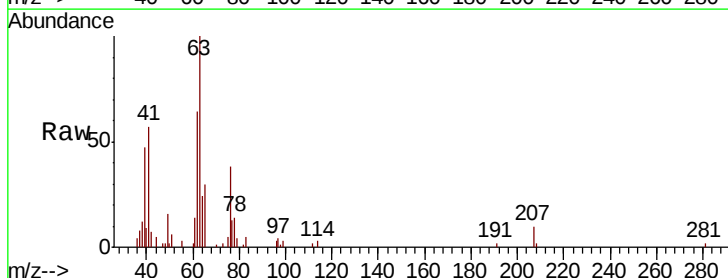


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

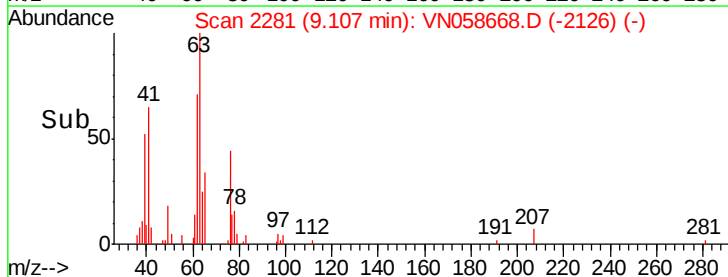
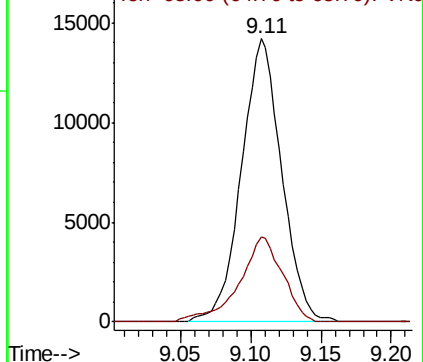


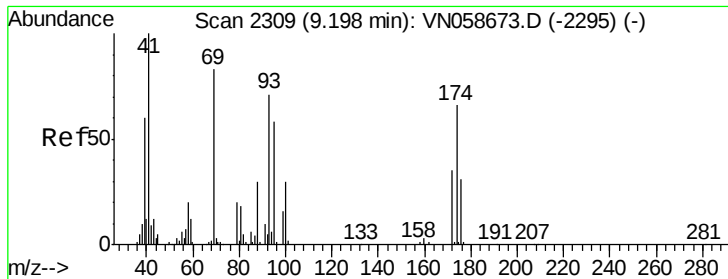
#39
1,2-Dichloropropane
Concen: 5.476 ug/l
RT: 9.11 min Scan# 2281
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Tgt Ion: 63 Resp: 28367
Ion Ratio Lower Upper
63 100
65 29.8 23.8 35.6



Abundance Ion 63.00 (62.70 to 63.70): VN0
Ion 65.00 (64.70 to 65.70): VN0

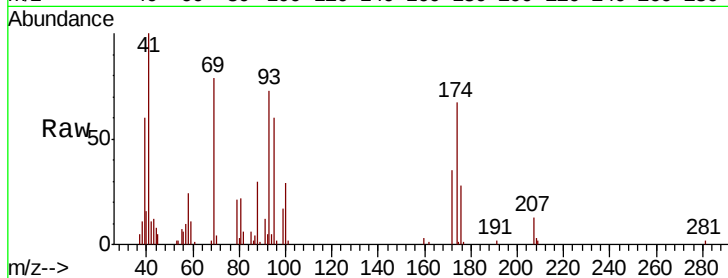




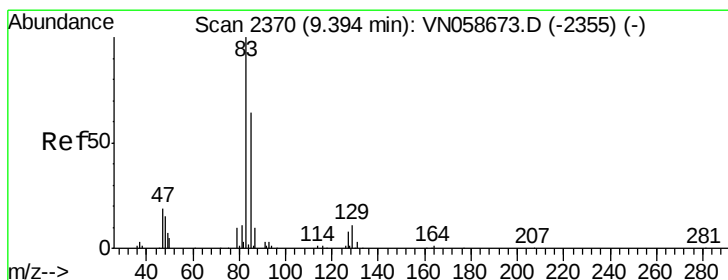
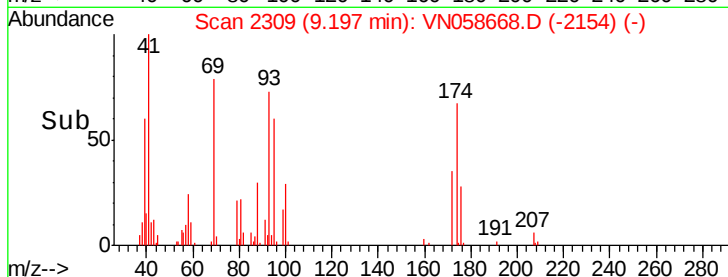
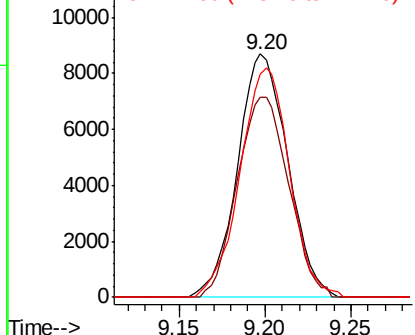
#40
Dibromomethane
Concen: 5.419 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 93 Resp: 17663
Ion Ratio Lower Upper
93 100
95 84.2 0.0 167.6
174 92.7 0.0 187.2

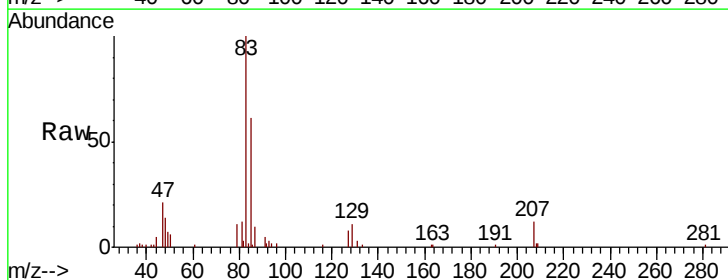


Abundance Ion 93.00 (92.70 to 93.70): VN0
Ion 95.00 (94.70 to 95.70): VN0
Ion 174.00 (173.70 to 174.70): V

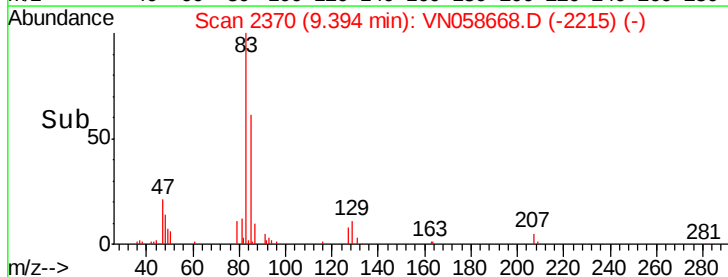
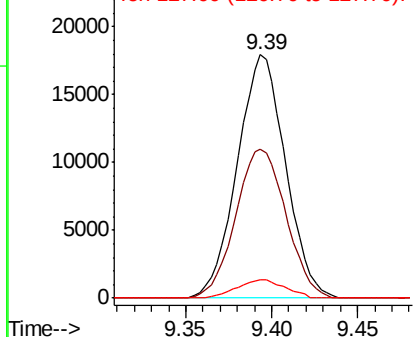


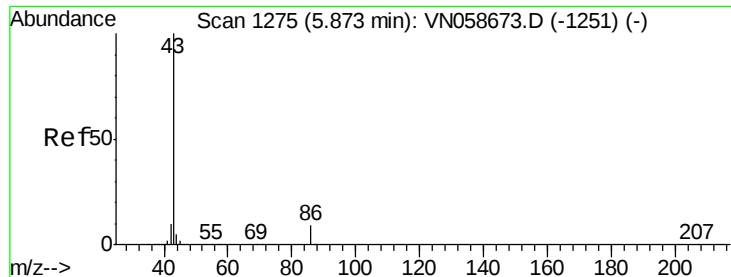
#41
Bromodichloromethane
Concen: 5.366 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Tgt Ion: 83 Resp: 34933
Ion Ratio Lower Upper
83 100
85 61.2 51.0 76.4
127 7.5 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): V





#42

Vinyl Acetate

Concen: 28.448 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

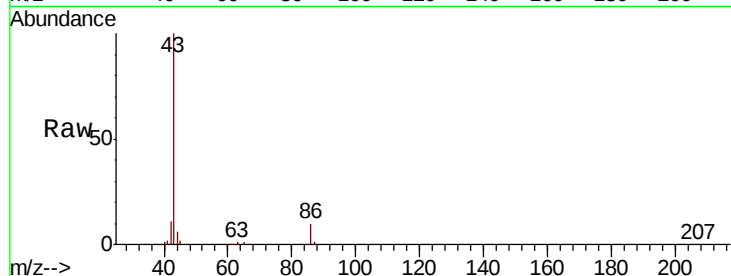
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 332768

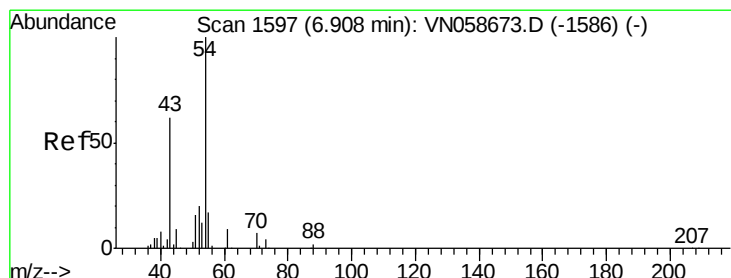
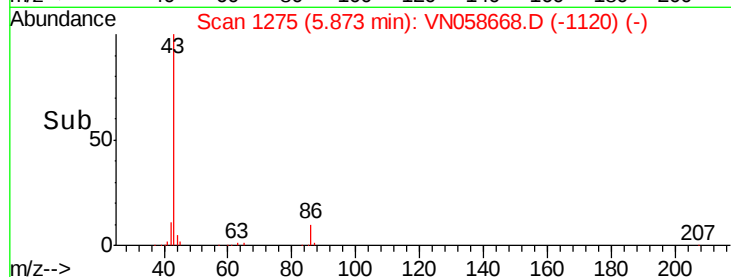
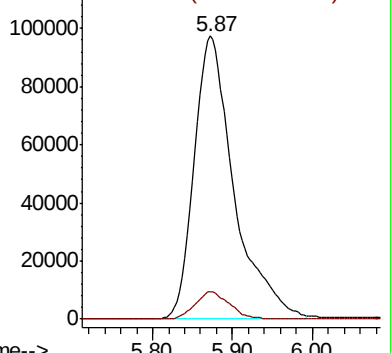
Ion Ratio Lower Upper

43 100

86 8.4 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0



#43

Ethyl Acetate

Concen: 6.234 ug/l

RT: 6.91 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VN058668.D

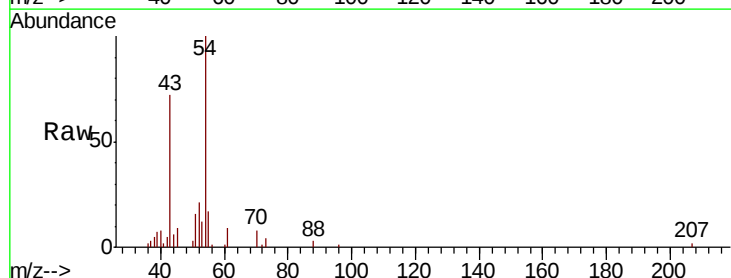
Acq: 10 Oct 2019 16:44

Tgt Ion: 43 Resp: 38979

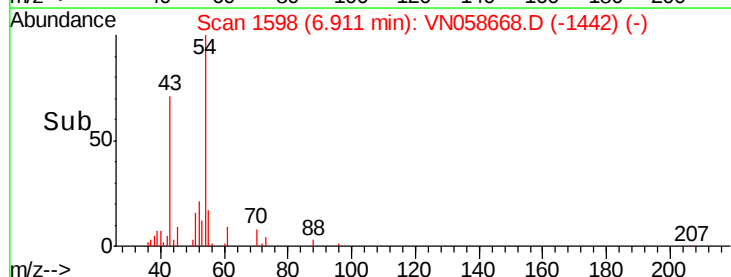
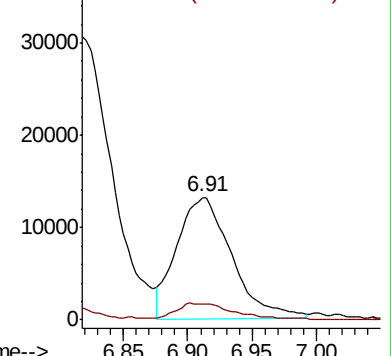
Ion Ratio Lower Upper

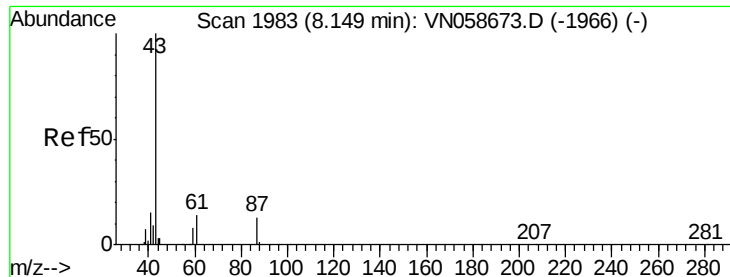
43 100

45 5.7 9.7 14.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 45.00 (44.70 to 45.70): VN0





#44

Isopropyl Acetate

Concen: 5.446 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :

MSVOA_N

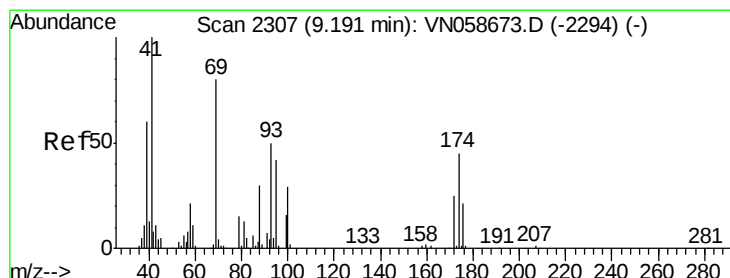
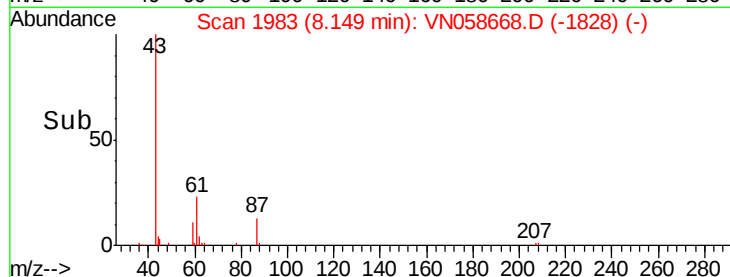
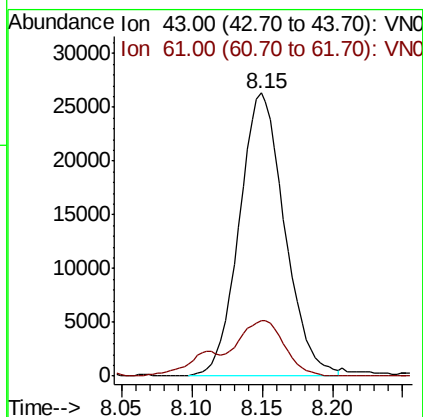
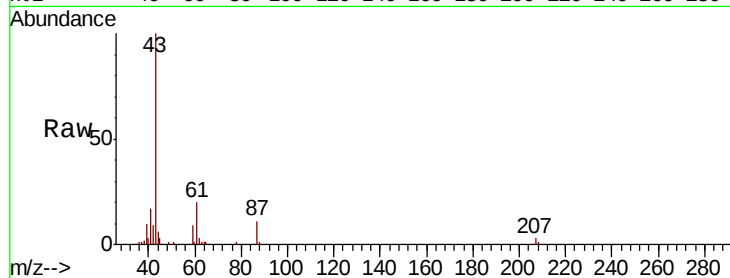
ClientSampled :

Tot Ion: 43 Resp: 59282

Ion Ratio Lower Upper

43 100

61 19.6 19.9 29.9#



#45

1,4-Dioxane

Concen: 101.478 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

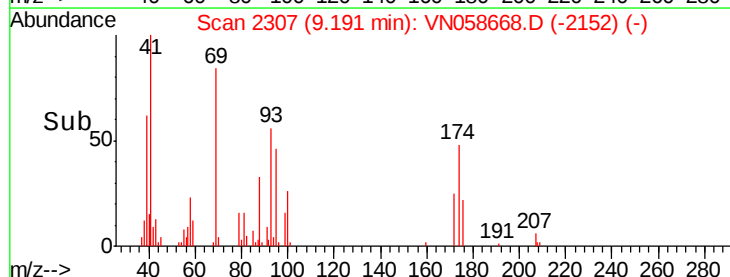
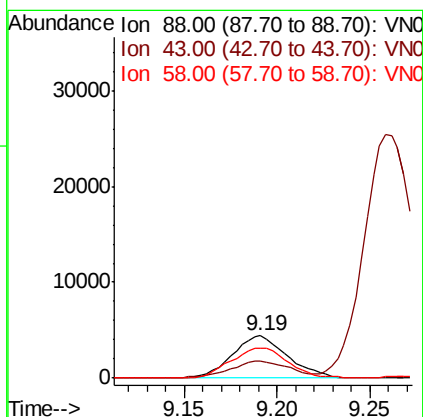
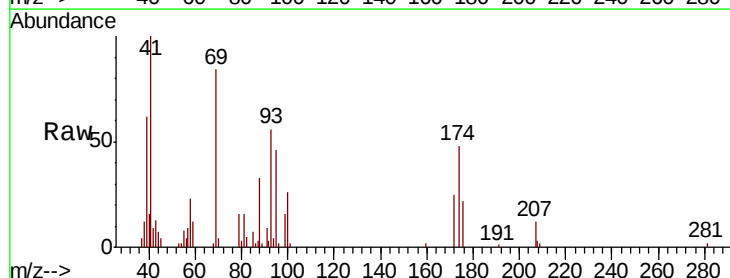
Tgt Ion: 88 Resp: 9056

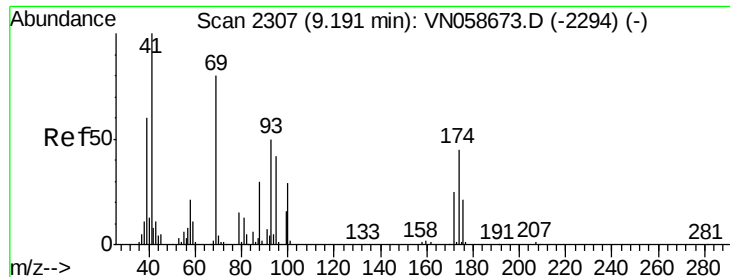
Ion Ratio Lower Upper

88 100

43 44.0 29.8 44.8

58 73.4 58.2 87.4

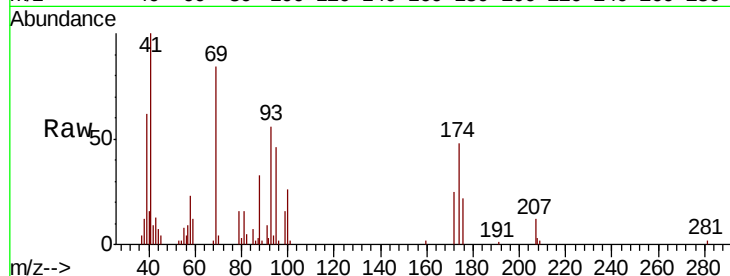




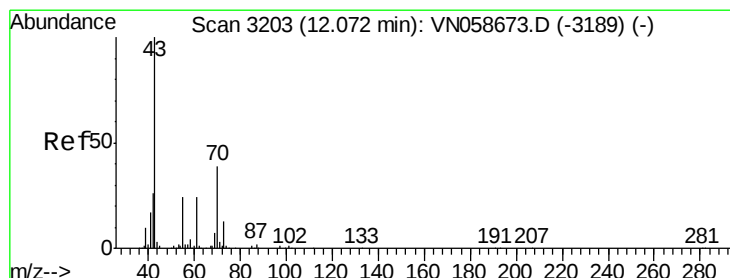
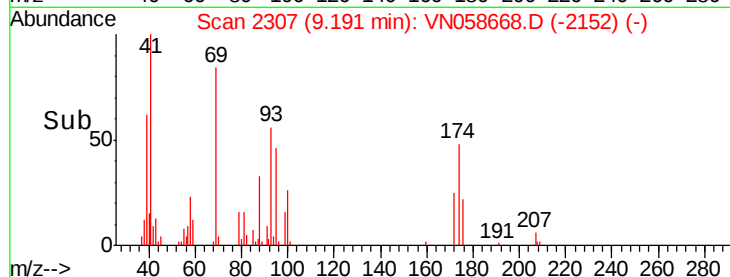
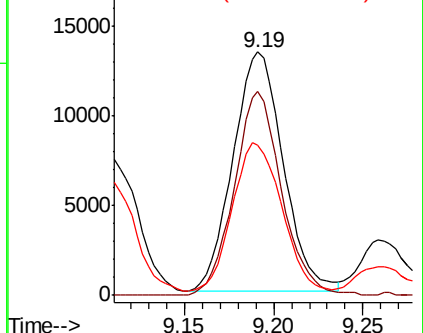
#46
Methvl methacrylate
Concen: 5.093 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 26129
Ion Ratio Lower Upper
41 100
69 85.2 40.2 120.5
39 61.3 29.9 89.8

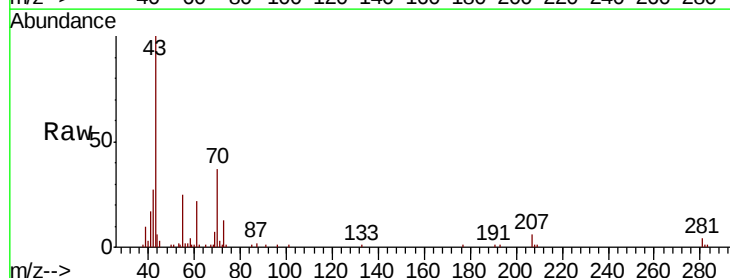


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

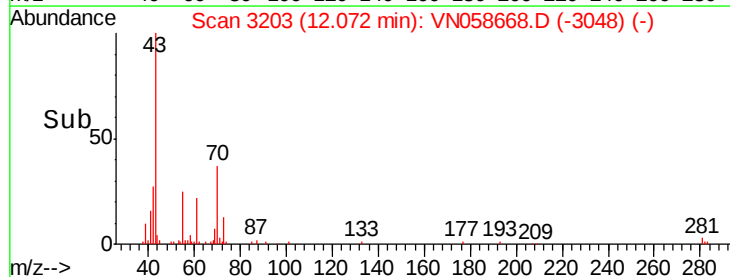
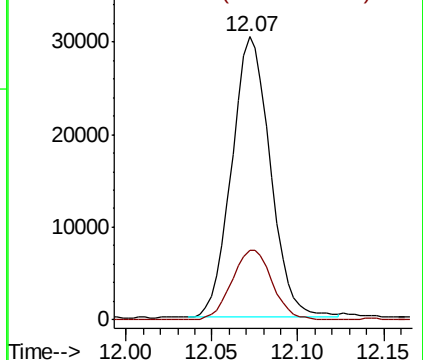


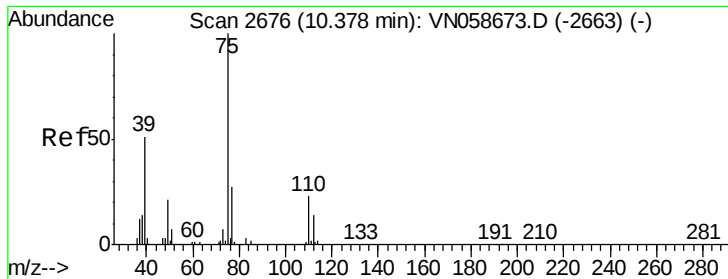
#47
n-aml Acetate
Concen: 4.916 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Tgt Ion: 43 Resp: 46927
Ion Ratio Lower Upper
43 100
55 26.0 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 55.00 (54.70 to 55.70): VNC





#48

t-1,3-Dichloropropene

Concen: 5.425 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :

MSVOA_N

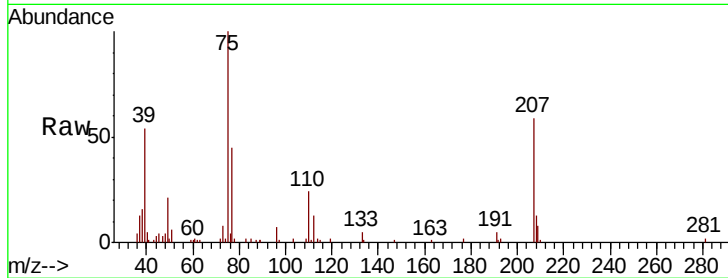
ClientSampleId :

Tot Ion: 75 Resp: 39161

Ion Ratio Lower Upper

75 100

77 35.8 27.0 40.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

40000

30000

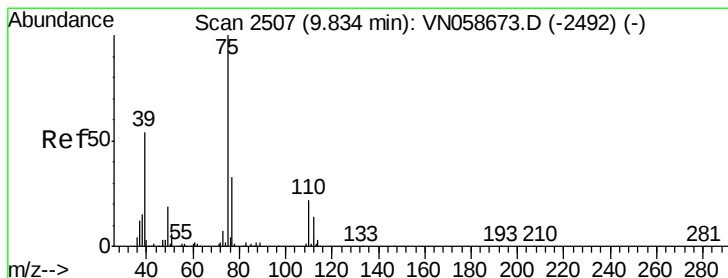
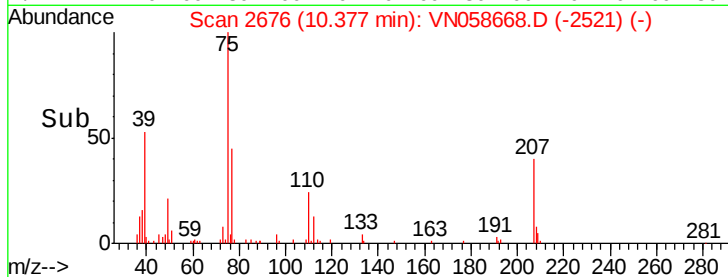
20000

10000

0

10.30 10.35 10.40 10.45

Time-->



#49

cis-1,3-Dichloropropene

Concen: 5.189 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

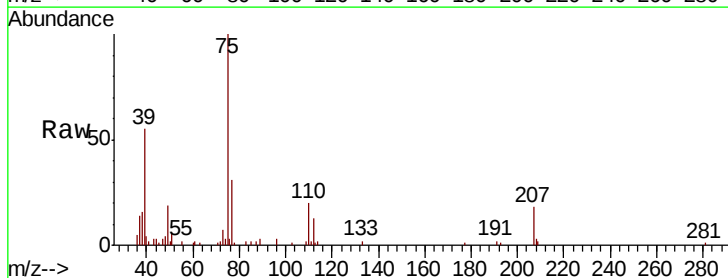
Tgt Ion: 75 Resp: 41019

Ion Ratio Lower Upper

75 100

77 30.8 26.1 39.1

39 55.3 43.1 64.7



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

30000

25000

20000

15000

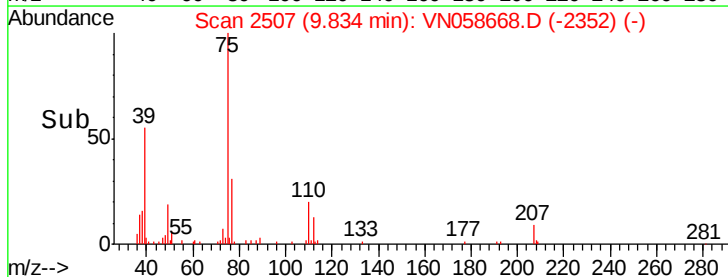
10000

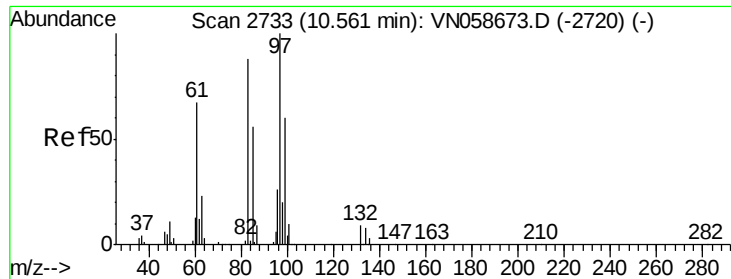
5000

0

9.75 9.80 9.85 9.90

Time-->

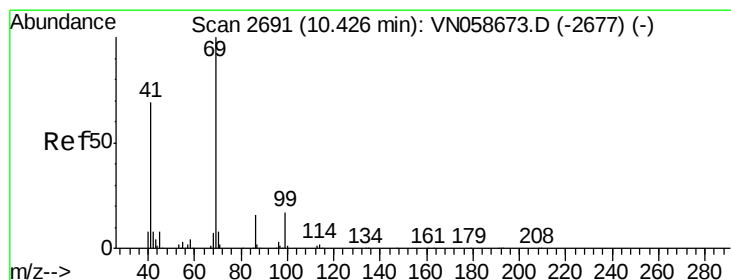
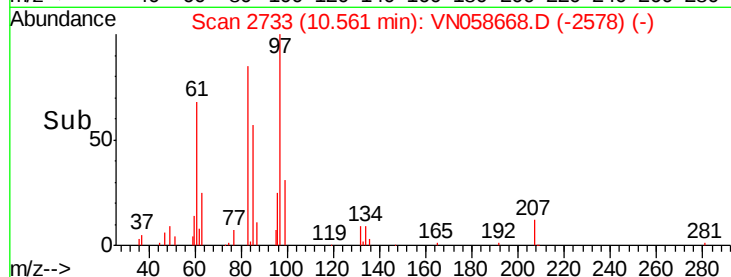
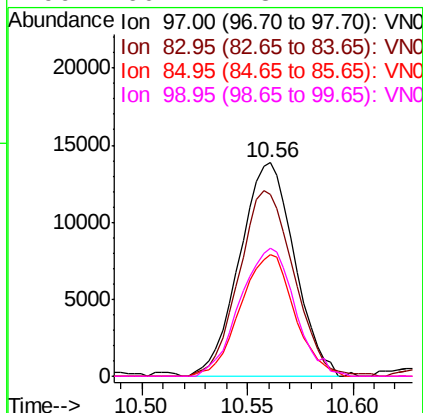
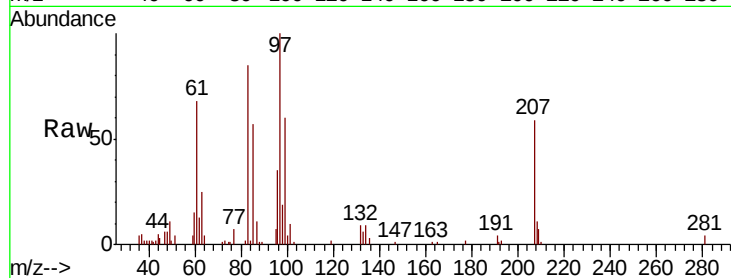




#50
 1,1,2-Trichloroethane
 Concen: 5.483 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

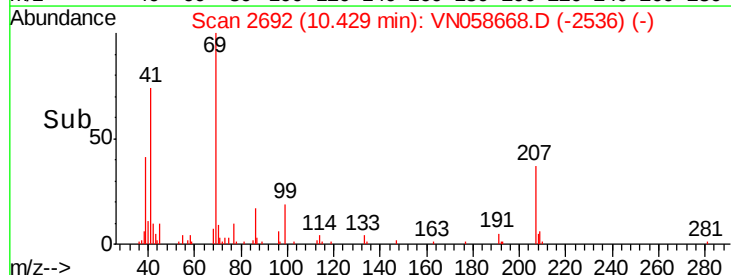
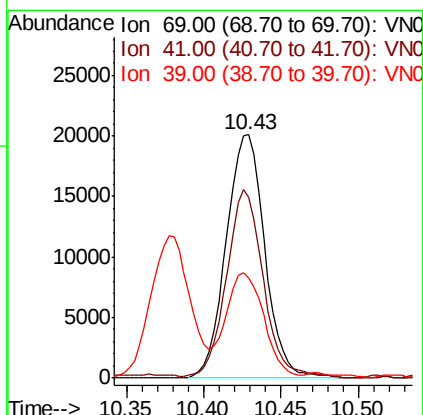
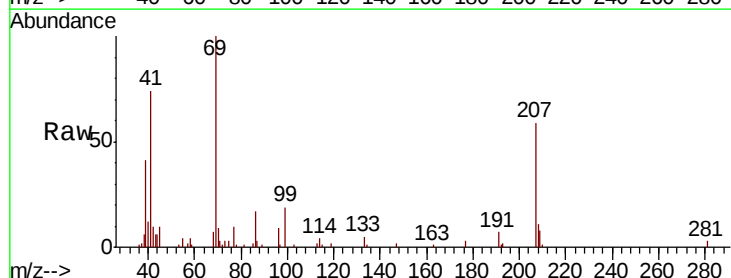
Instrument :
 MSVOA_N
 ClientSampleId :

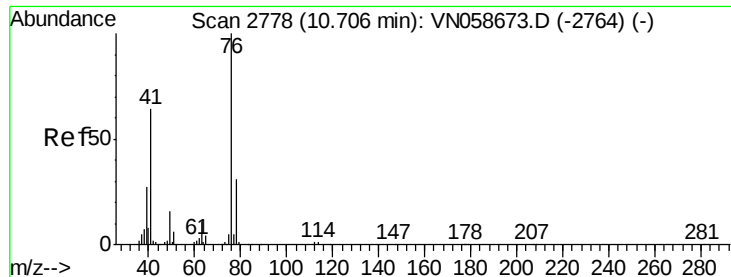
Tot Ion: 97 Resp: 25063
 Ion Ratio Lower Upper
 97 100
 83 85.1 70.7 106.1
 85 57.2 45.1 67.7
 99 60.2 48.2 72.4



#51
 Ethyl methacrylate
 Concen: 4.800 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

Tgt Ion: 69 Resp: 34809
 Ion Ratio Lower Upper
 69 100
 41 73.6 34.7 104.1
 39 39.8 20.3 60.8





#52

1,3-Dichloropropane

Concen: 5.548 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :

MSVOA_N

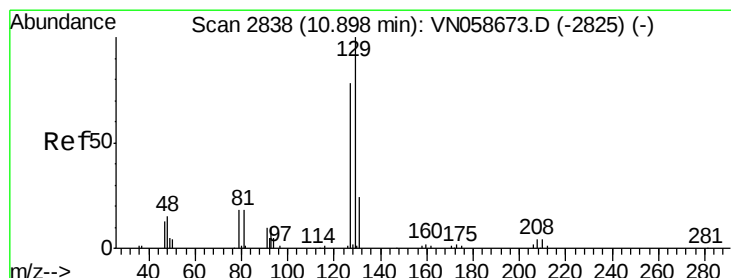
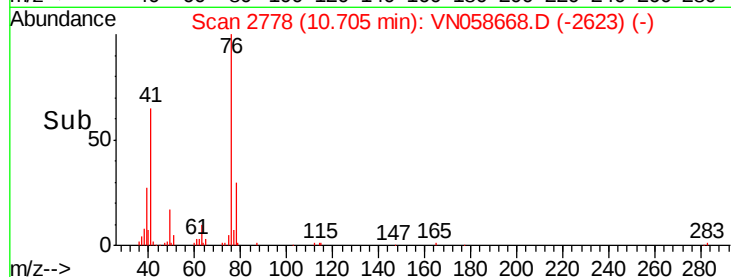
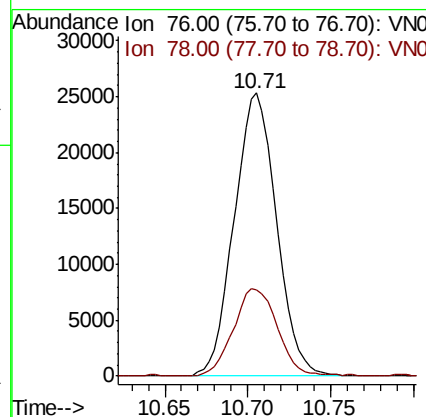
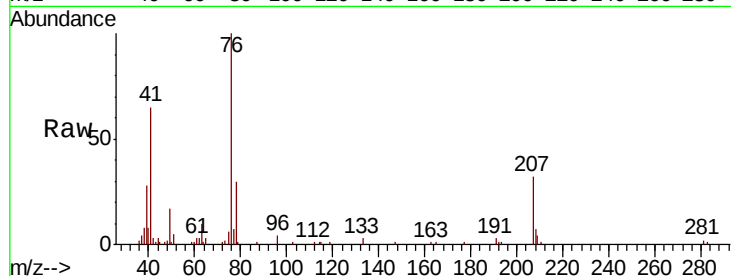
ClientSampleId :

Tot Ion: 76 Resp: 44993

Ion Ratio Lower Upper

76 100

78 32.1 0.0 63.2



#53

Dibromochloromethane

Concen: 5.302 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN058668.D

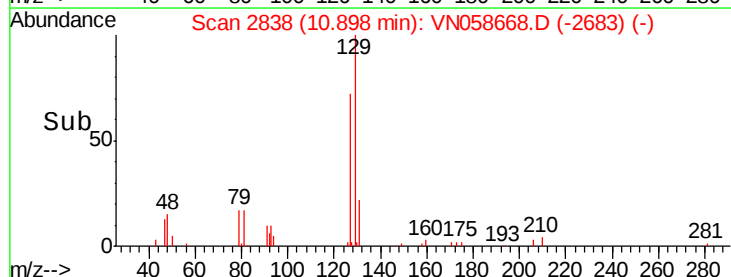
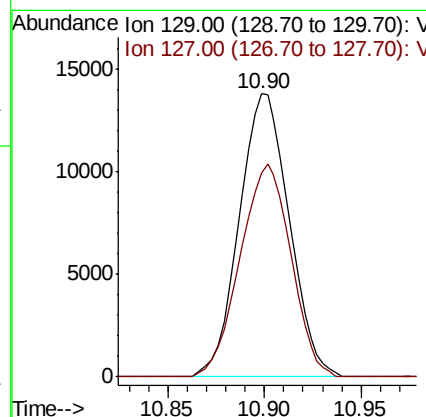
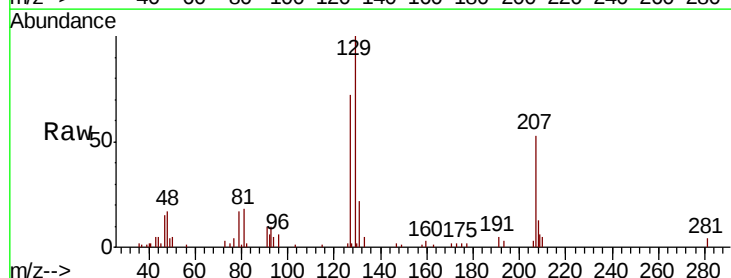
Acq: 10 Oct 2019 16:44

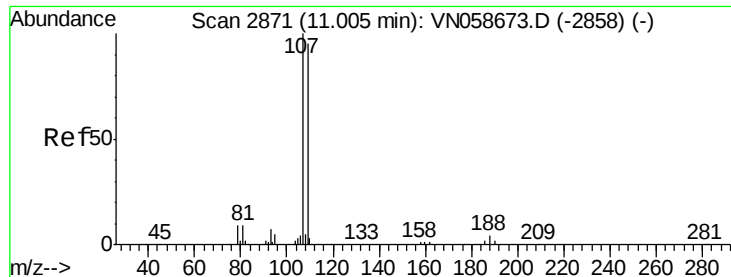
Tgt Ion: 129 Resp: 24848

Ion Ratio Lower Upper

129 100

127 76.4 39.1 117.5

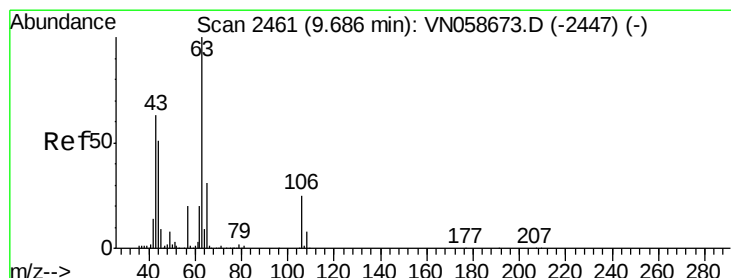
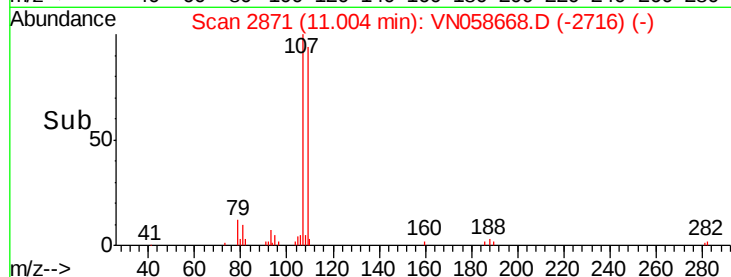
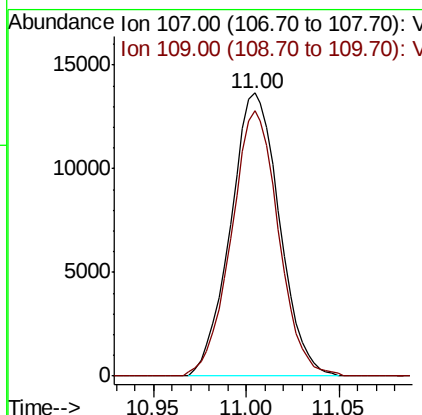
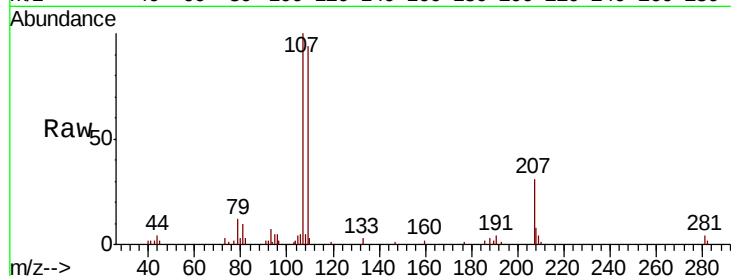




#54
 1,2-Dibromoethane
 Concen: 5.342 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

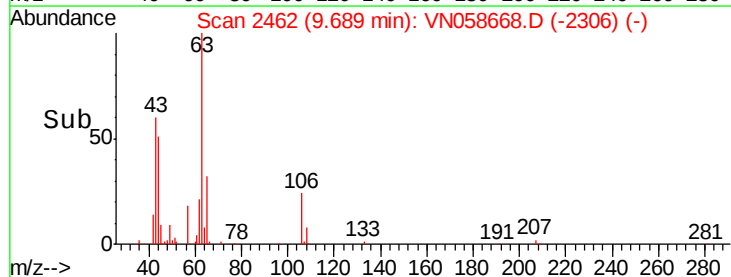
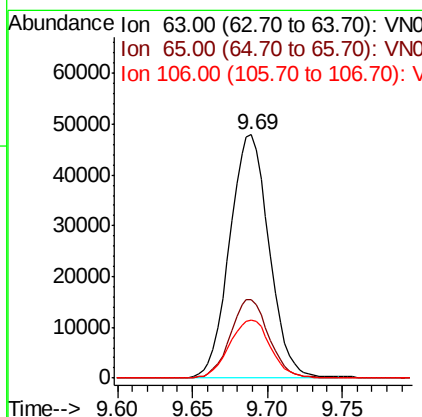
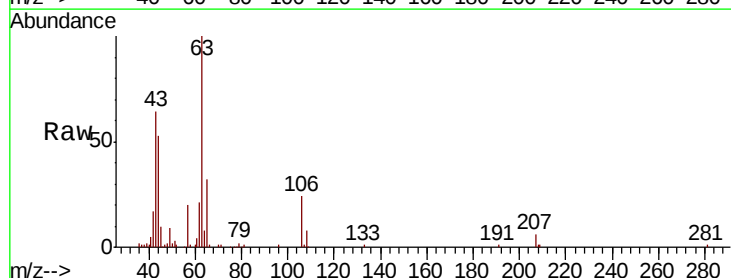
Instrument :
 MSVOA_N
 ClientSampleId :

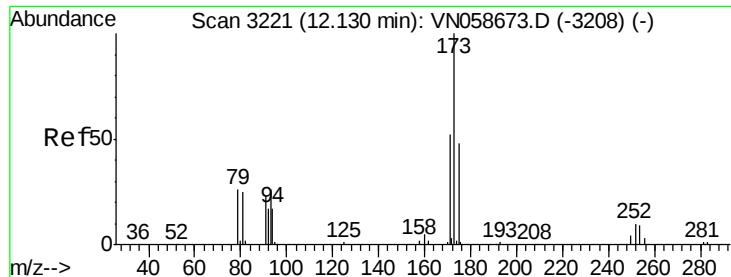
Tot Ion:107 Resp: 25013
 Ion Ratio Lower Upper
 107 100
 109 90.5 76.2 114.4



#55
 2-Chloroethyl vinyl ether
 Concen: 27.302 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

Tgt Ion: 63 Resp: 87949
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.3 37.9
 106 24.9 19.8 29.6

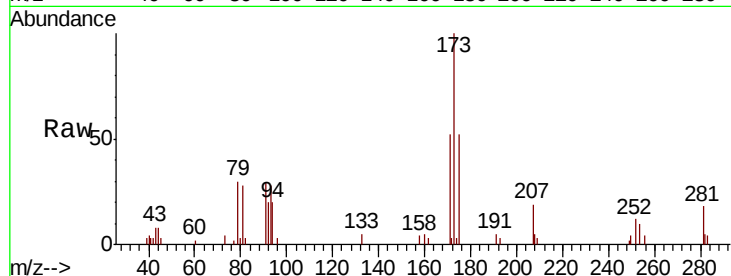




#56
Bromoform
Concen: 5.309 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	38.7	58.1
254	9.4	7.4	11.2

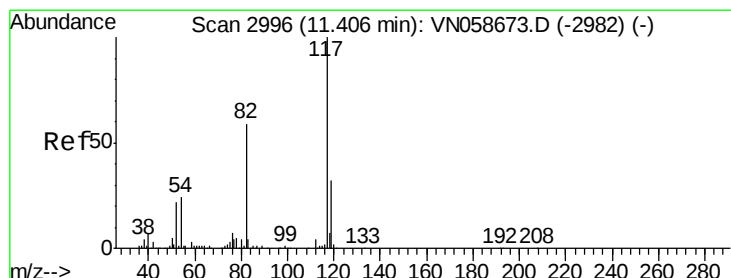
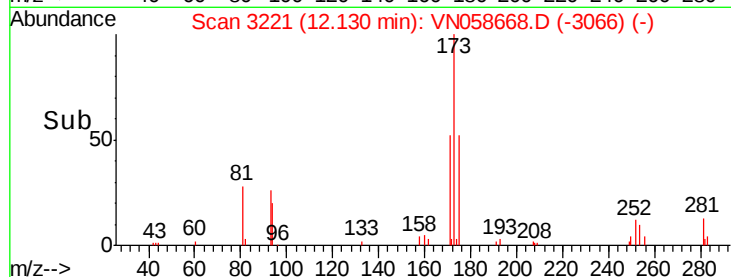
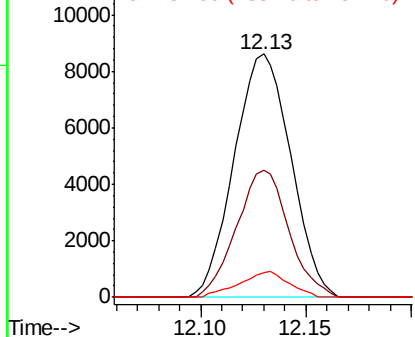


Abundance

Ion 173.00 (172.70 to 173.70): V

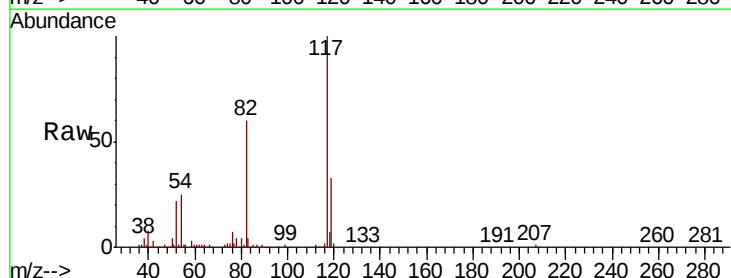
Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.1	46.9	70.3
119	32.1	25.8	38.6

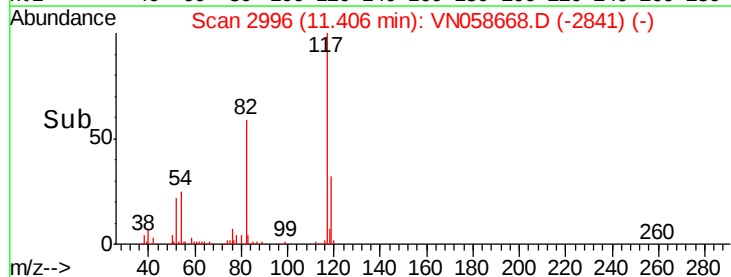
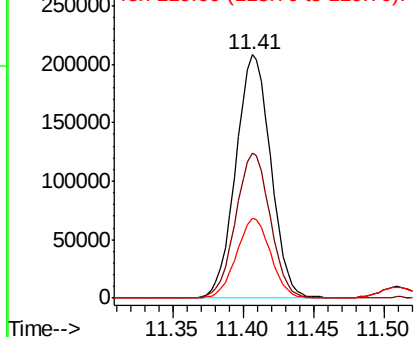


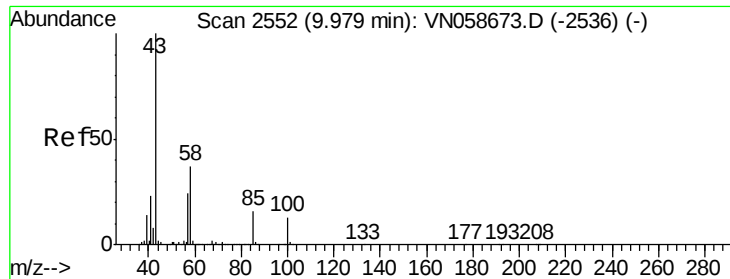
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V

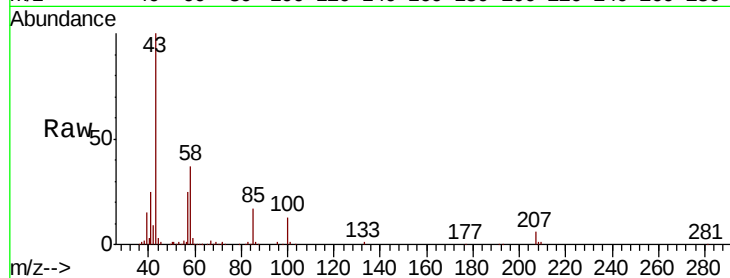




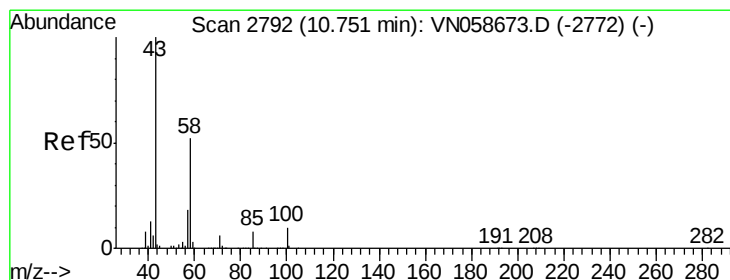
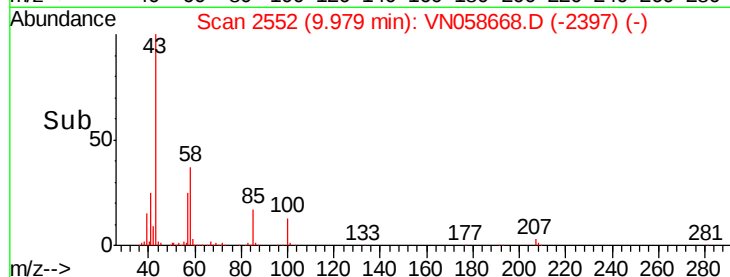
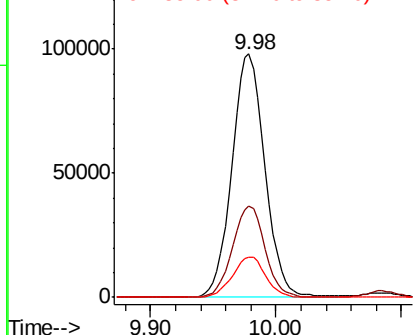
#58
4-Methyl-2-Pentanone
Concen: 30.512 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.8	30.1	45.1
85	16.6	13.2	19.8

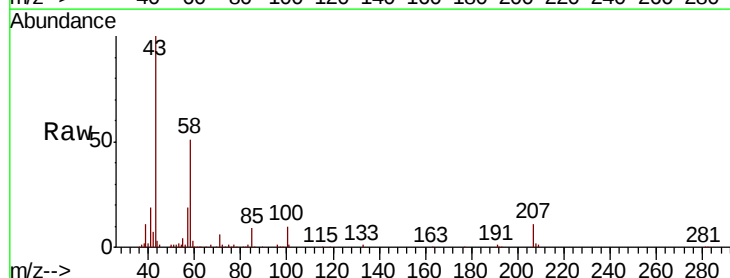


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 85.00 (84.70 to 85.70): VN0

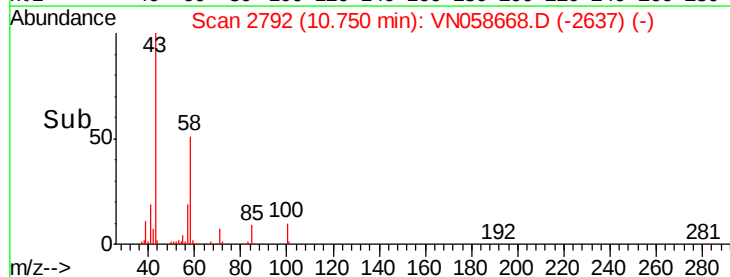
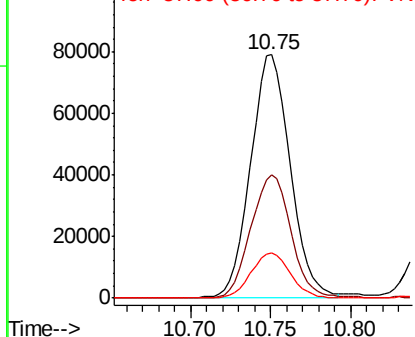


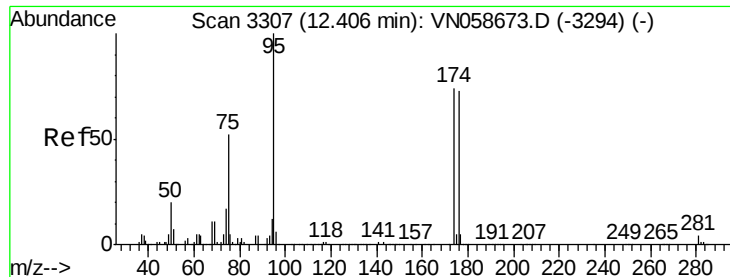
#59
2-Hexanone
Concen: 29.786 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Tgt Ion	Ratio	Lower	Upper
43	100		
58	51.7	41.4	62.0
57	18.7	14.7	22.1



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

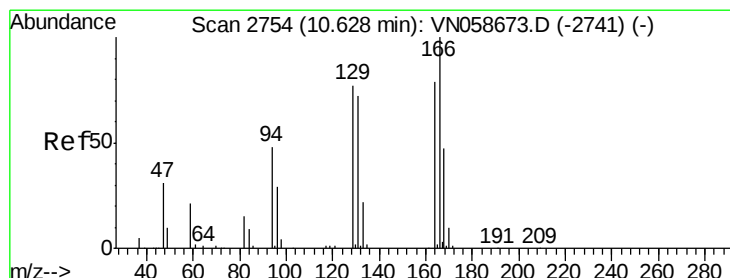
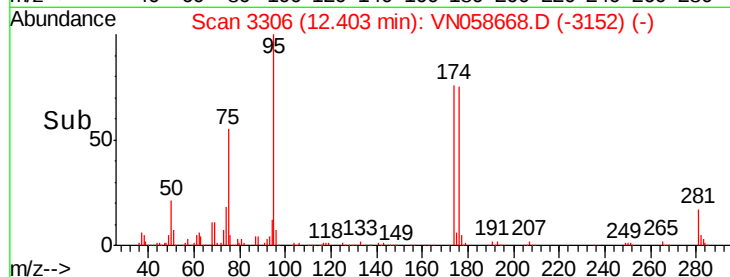
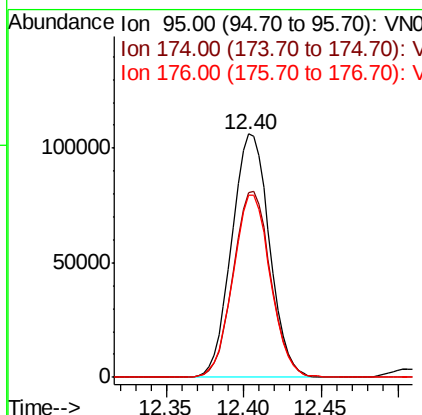
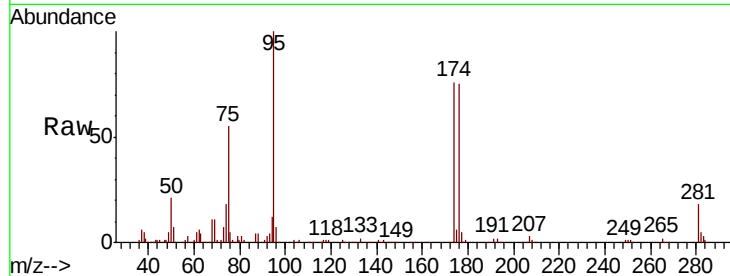




#60
4-Bromofluorobenzene
Concen: 28.640 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

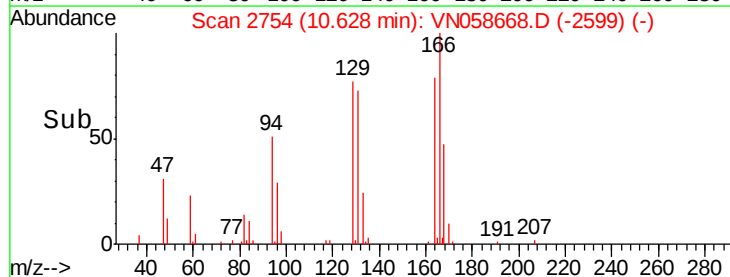
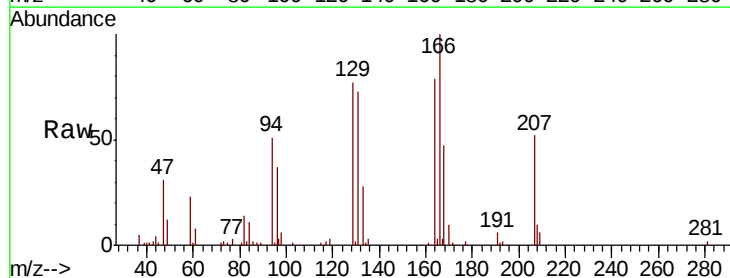
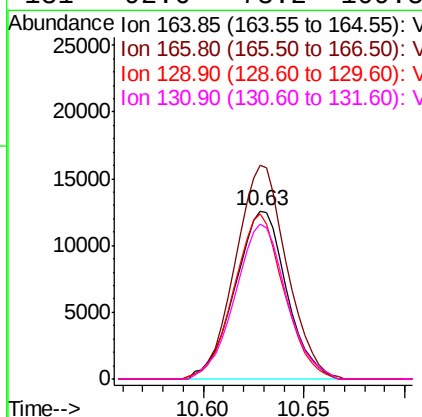
Instrument :
MSVOA_N
ClientSampled :

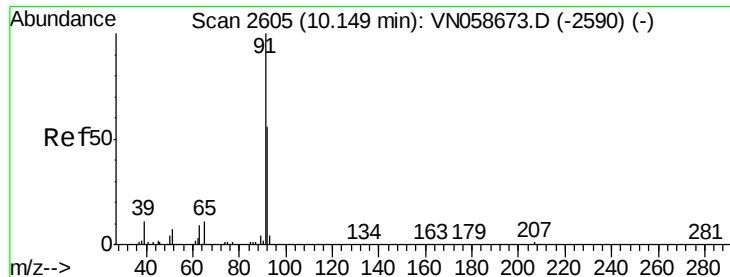
Tot Ion	Ratio	Lower	Upper
95	100		
174	75.8	59.9	89.9
176	74.4	58.3	87.5



#61
Tetrachloroethene
Concen: 5.781 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	101.4	152.2
129	98.2	78.1	117.1
131	92.6	73.2	109.8





#62

Toluene

Concen: 5.461 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :

MSVOA_N

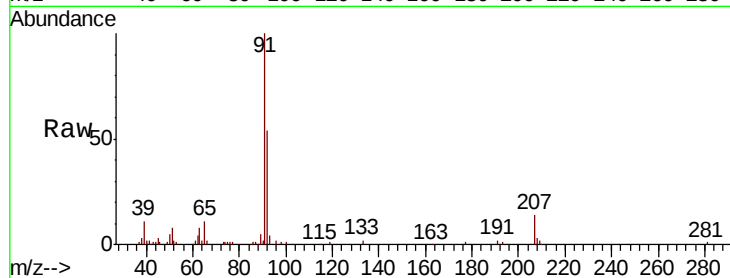
ClientSampleId :

Tot Ion: 91 Resp: 108699

Ion Ratio Lower Upper

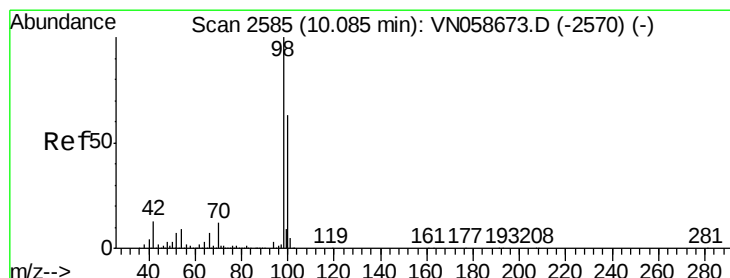
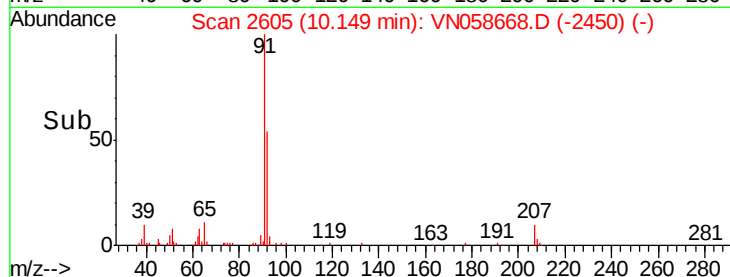
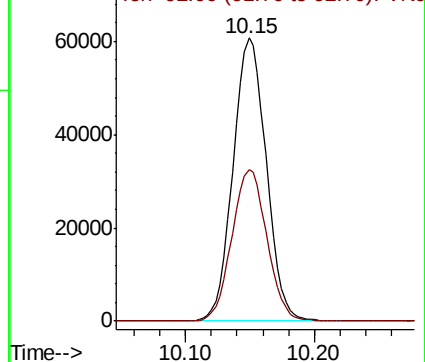
91 100

92 56.5 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: 29.950 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058668.D

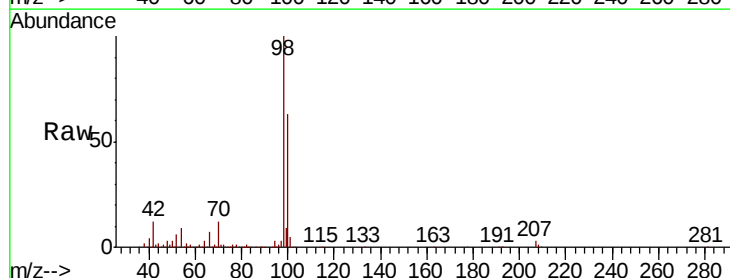
Acq: 10 Oct 2019 16:44

Tgt Ion: 98 Resp: 518231

Ion Ratio Lower Upper

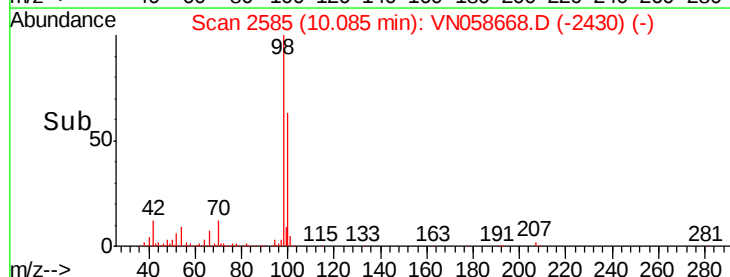
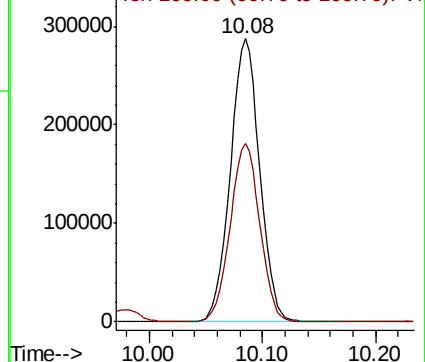
98 100

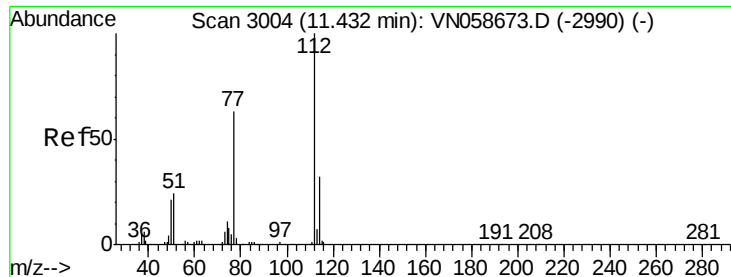
100 63.5 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

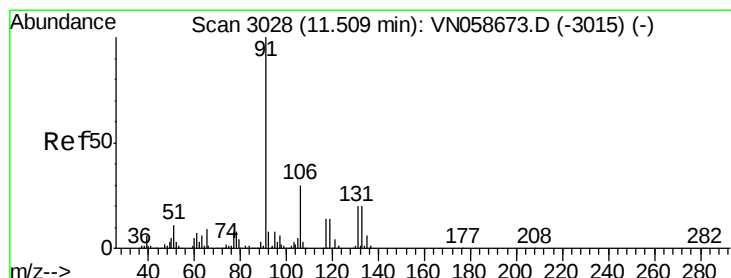
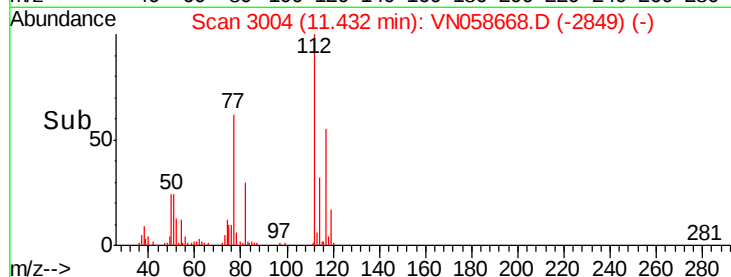
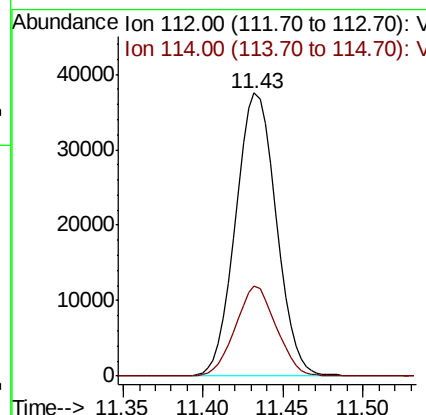
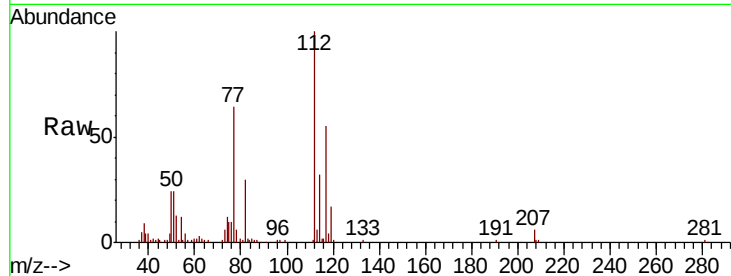




#64
Chlorobenzene
Concen: 5.319 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

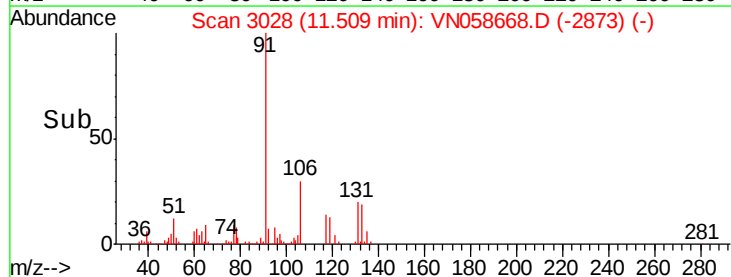
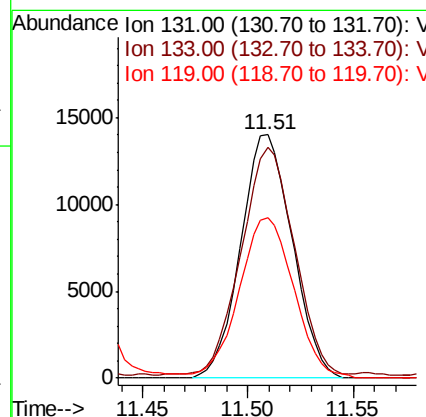
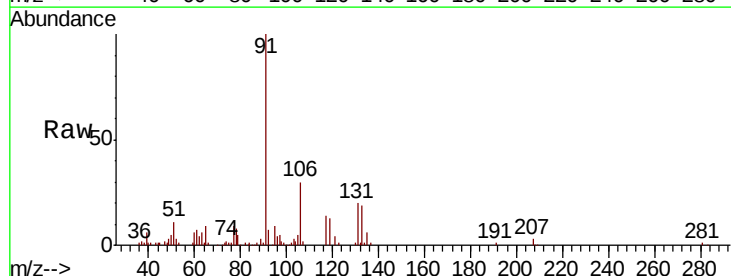
Instrument :
MSVOA_N
ClientSampled :

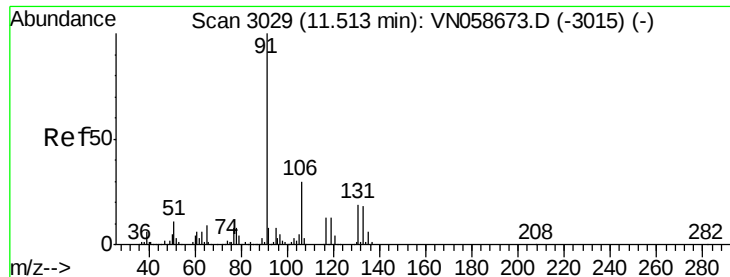
Tot Ion:112 Resp: 65097
Ion Ratio Lower Upper
112 100
114 31.9 25.7 38.5



#65
1,1,1,2-Tetrachloroethane
Concen: 5.432 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Tgt Ion:131 Resp: 23782
Ion Ratio Lower Upper
131 100
133 96.3 0.0 194.0
119 69.9 0.0 136.8

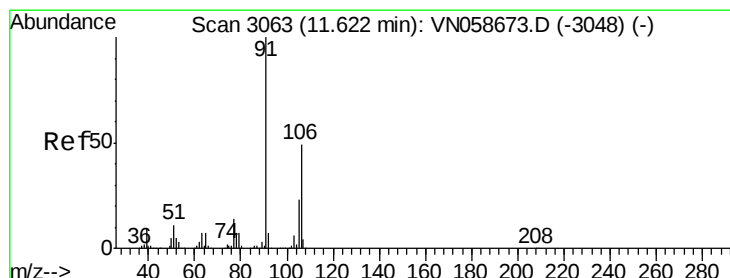
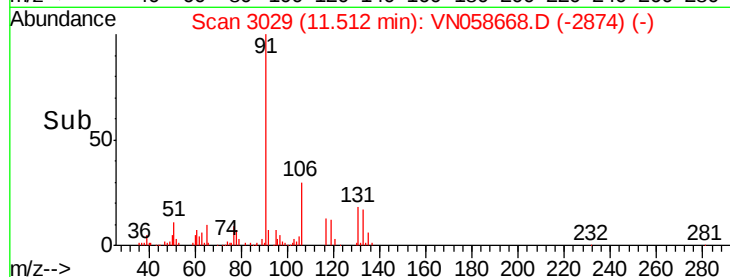
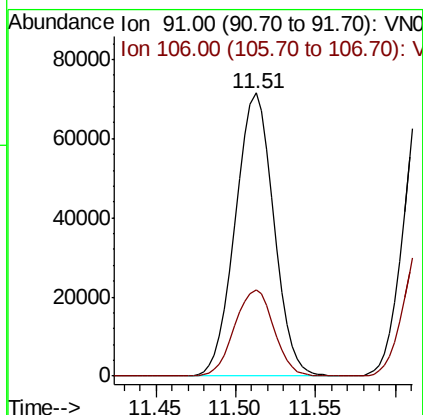
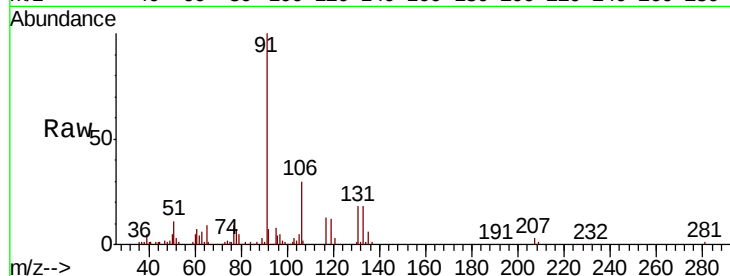




#66
Ethyl Benzene
Concen: 5.393 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

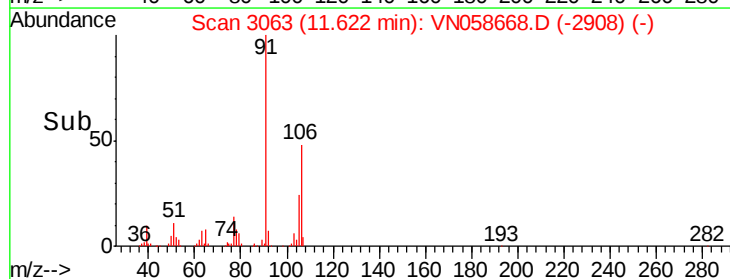
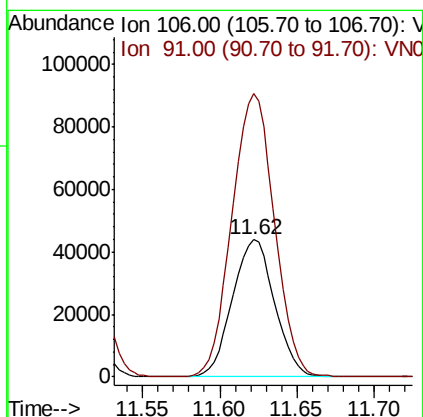
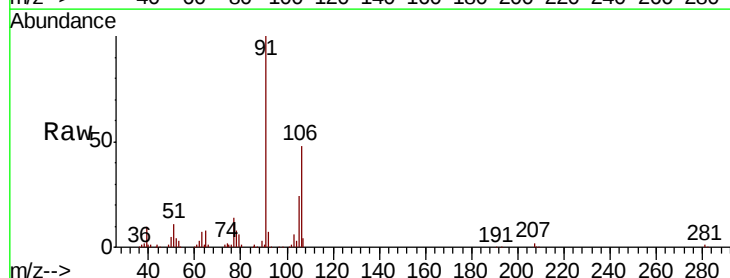
Instrument :
MSVOA_N
ClientSampled :

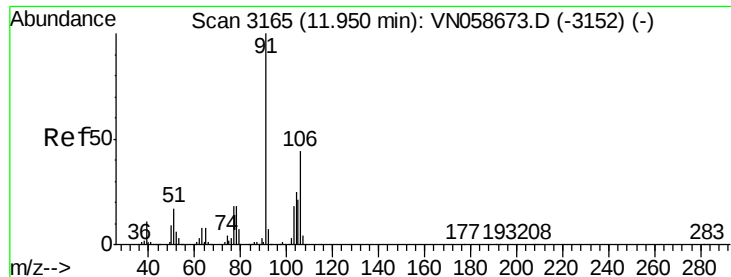
Tot Ion: 91 Resp: 116794
Ion Ratio Lower Upper
91 100
106 30.4 24.2 36.4



#67
m/p-Xylenes
Concen: 10.014 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Tgt Ion: 106 Resp: 83382
Ion Ratio Lower Upper
106 100
91 207.5 165.6 248.4

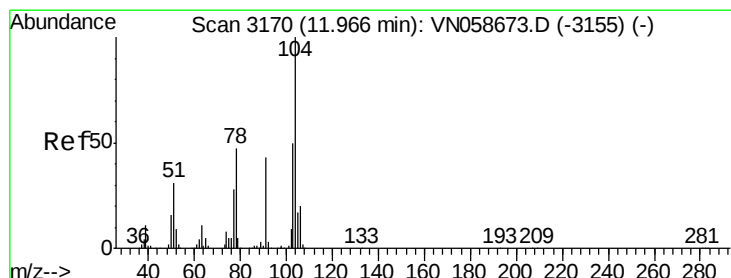
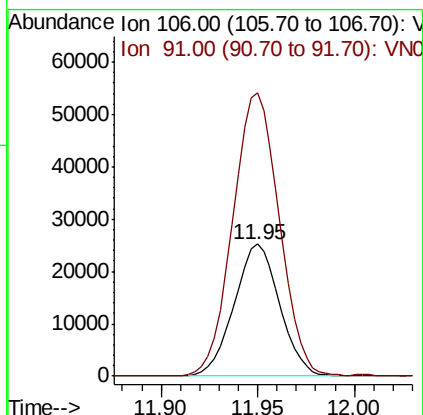
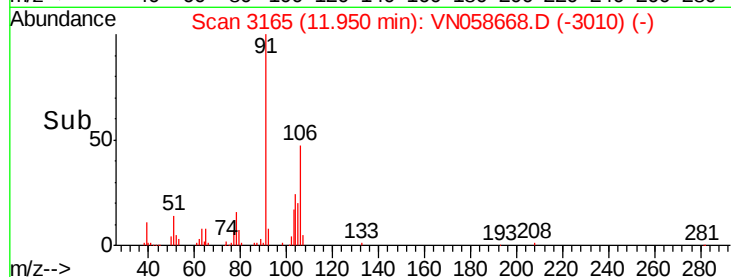
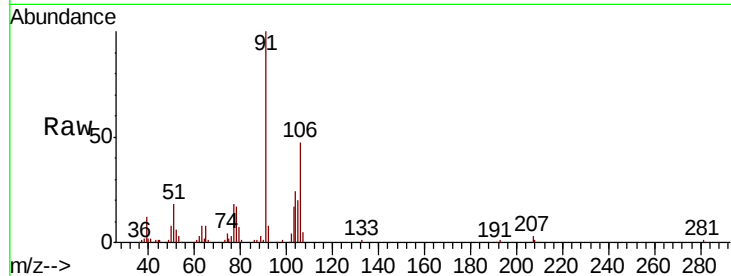




#68
o-Xylene
Concen: 5.111 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

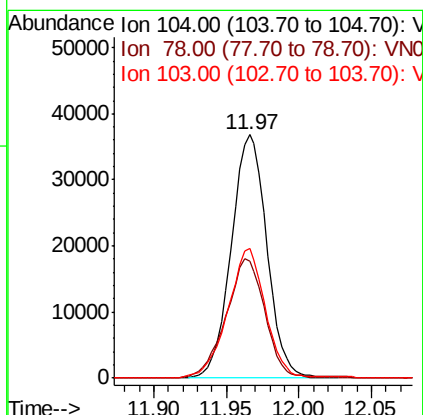
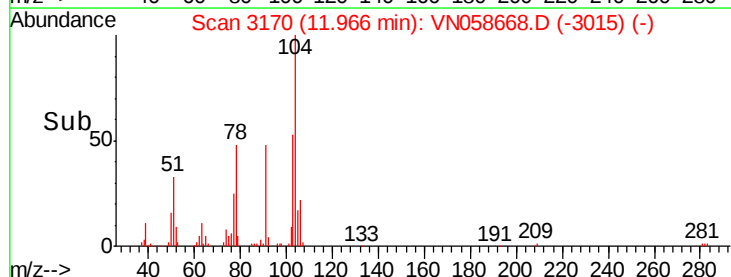
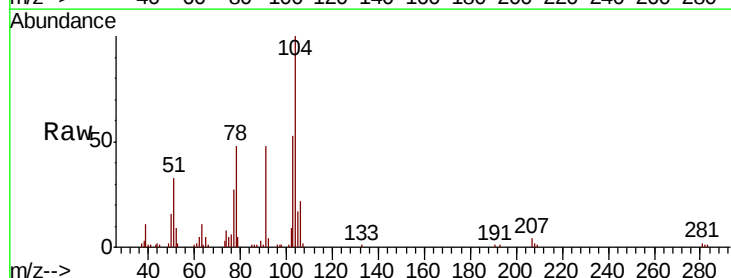
Instrument :
MSVOA_N
ClientSampled :

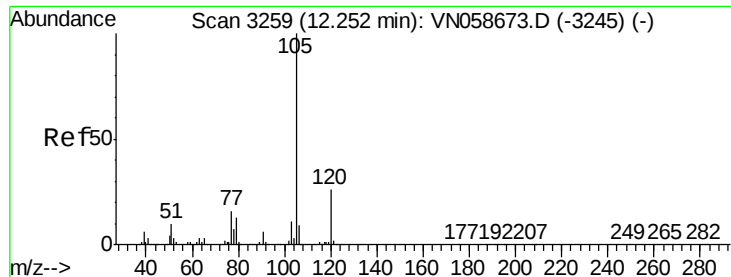
Tot Ion:106 Resp: 41334
Ion Ratio Lower Upper
106 100
91 218.8 109.8 329.4



#69
Styrene
Concen: 4.665 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Tgt Ion:104 Resp: 62859
Ion Ratio Lower Upper
104 100
78 53.1 42.4 63.6
103 56.3 44.6 66.8





#70

Isopropylbenzene

Concen: 5.285 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :

MSVOA_N

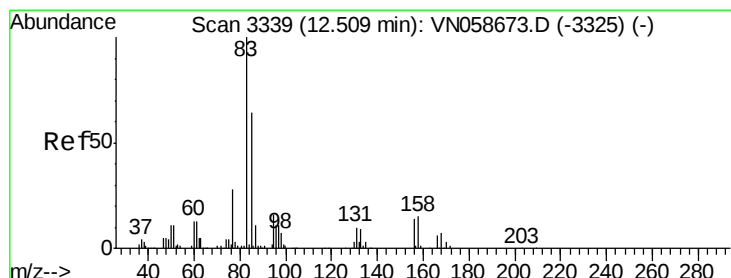
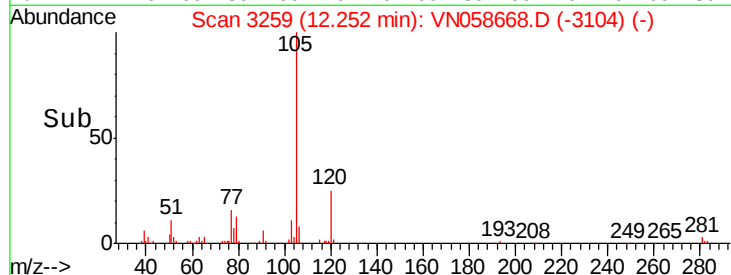
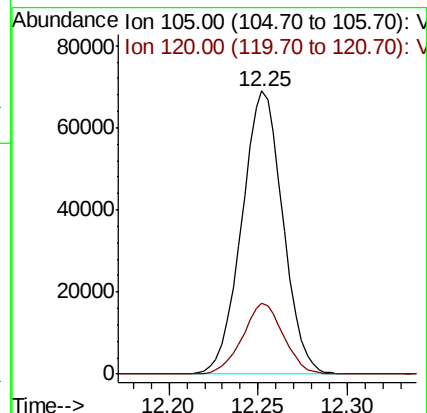
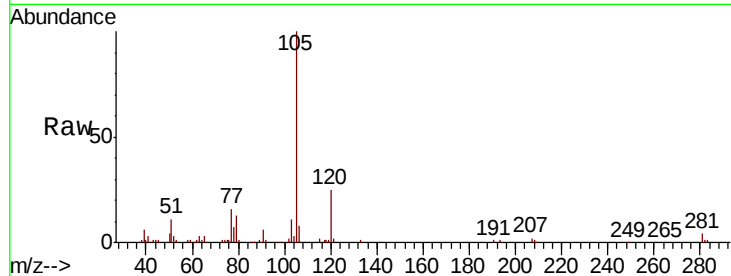
ClientSampleId :

Tot Ion:105 Resp: 110915

Ion Ratio Lower Upper

105 100

120 25.0 18.4 34.2



#71

1,1,2,2-Tetrachloroethane

Concen: 5.630 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

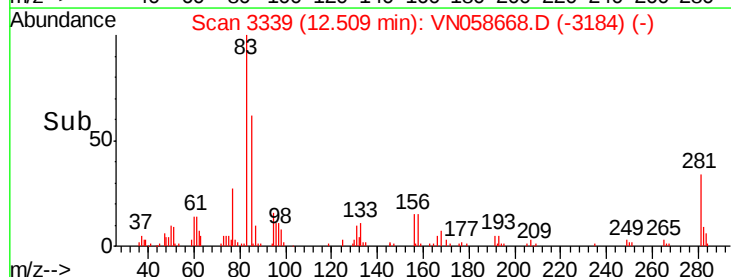
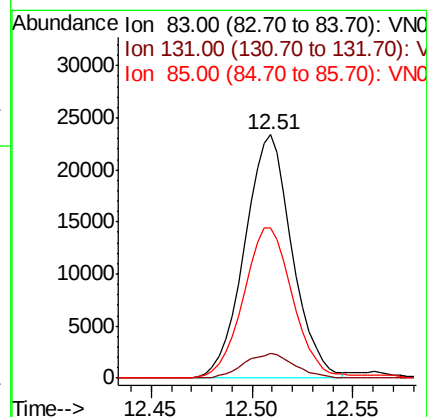
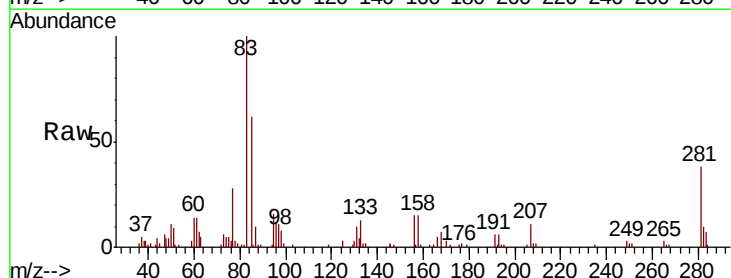
Tgt Ion: 83 Resp: 38410

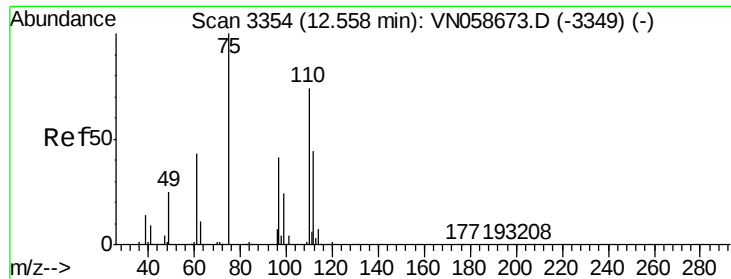
Ion Ratio Lower Upper

83 100

131 10.6 4.9 14.7

85 64.5 31.6 94.7





#72

1,2,3-Trichloropropane

Concen: 8.338 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :

MSVOA_N

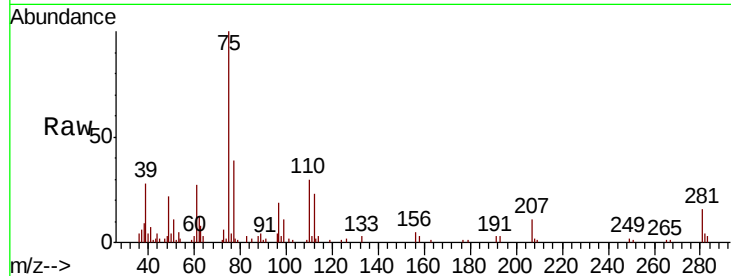
ClientSampleId :

Tot Ion: 75 Resp: 49271

Ion Ratio Lower Upper

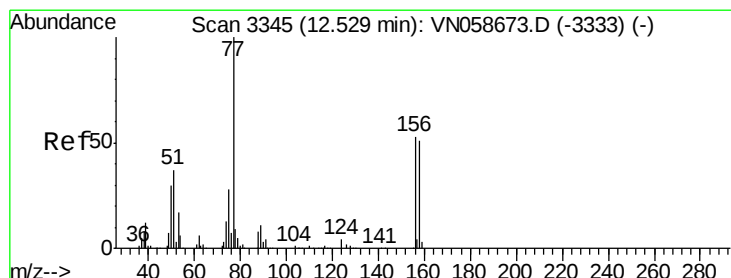
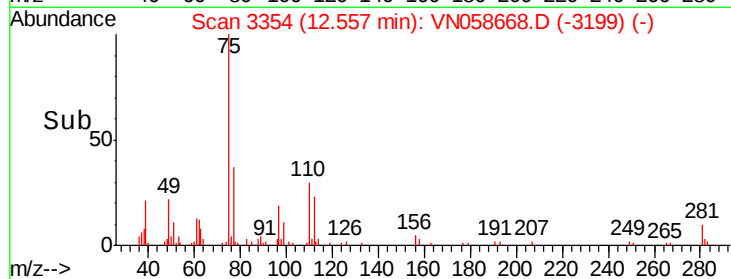
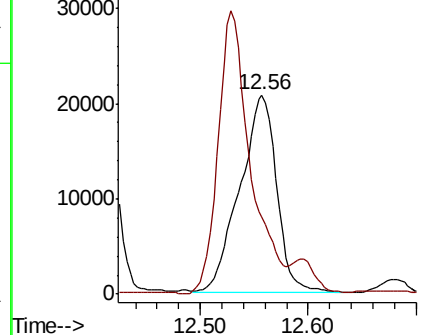
75 100

77 126.0 0.0 359.4



Abundance Ion 75.00 (74.70 to 75.70): VN058673.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN058673.D (-3349) (-)



#73

Bromobenzene

Concen: 5.475 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

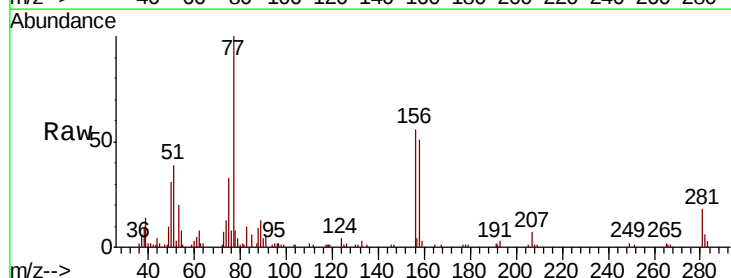
Tgt Ion: 156 Resp: 28045

Ion Ratio Lower Upper

156 100

77 221.3 0.0 456.0

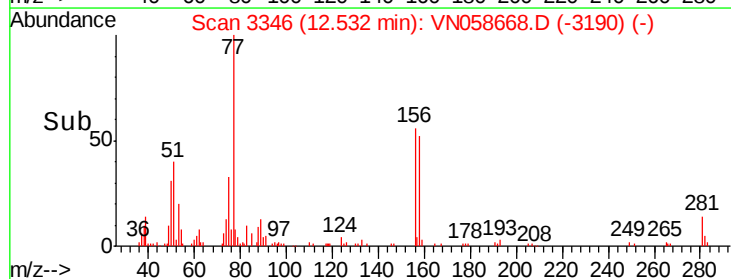
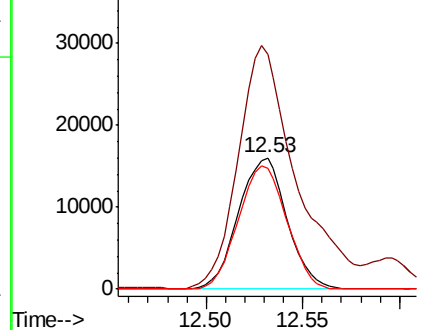
158 93.2 0.0 195.4

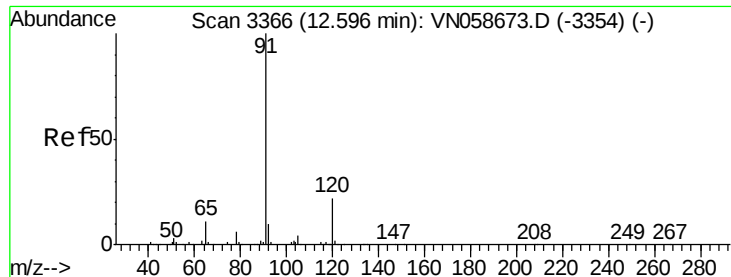


Abundance Ion 156.00 (155.70 to 156.70): VN058673.D (-3333) (-)

Ion 77.00 (76.70 to 77.70): VN058673.D (-3333) (-)

Ion 158.00 (157.70 to 158.70): VN058673.D (-3333) (-)





#74

n-propylbenzene

Concen: 5.302 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :

MSVOA_N

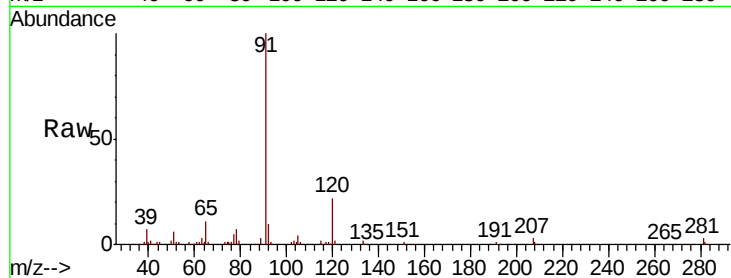
ClientSampleId :

Tot Ion: 91 Resp: 128667

Ion Ratio Lower Upper

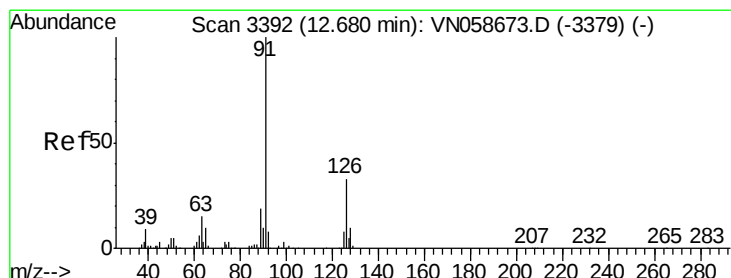
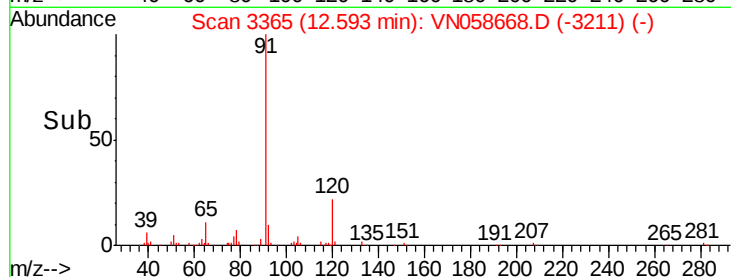
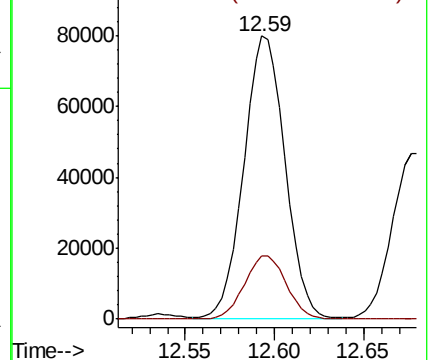
91 100

120 22.8 0.0 43.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#75

2-Chlorotoluene

Concen: 5.121 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058668.D

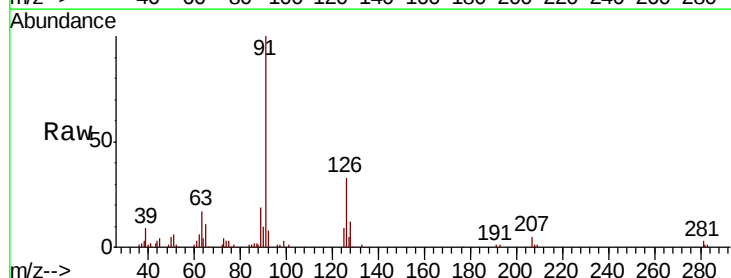
Acq: 10 Oct 2019 16:44

Tgt Ion: 91 Resp: 77642

Ion Ratio Lower Upper

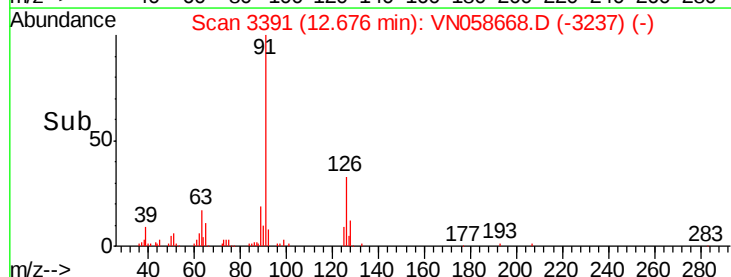
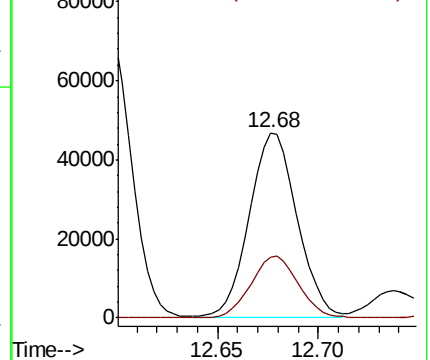
91 100

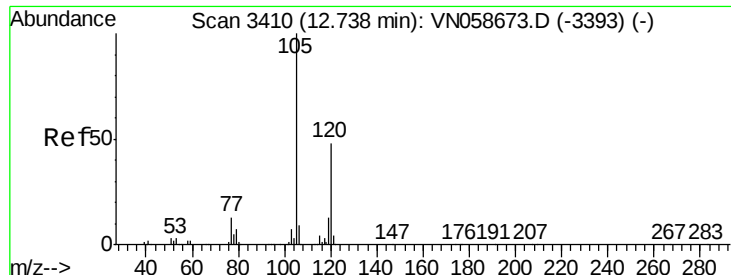
126 33.0 0.0 65.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#76

1,3,5-Trimethylbenzene

Concen: 5.185 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :

MSVOA_N

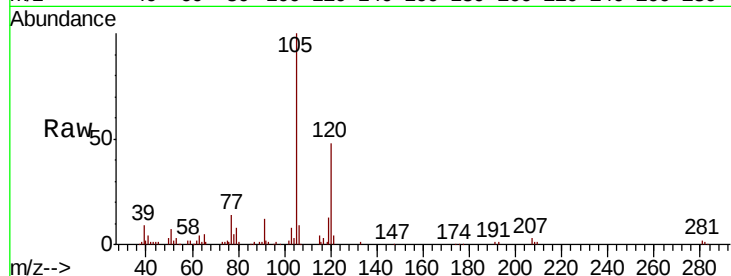
ClientSampleId :

Tot Ion:105 Resp: 93764

Ion Ratio Lower Upper

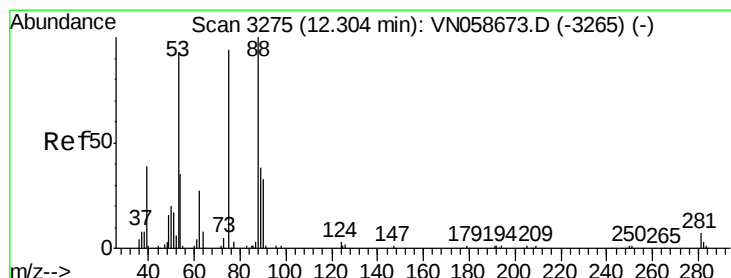
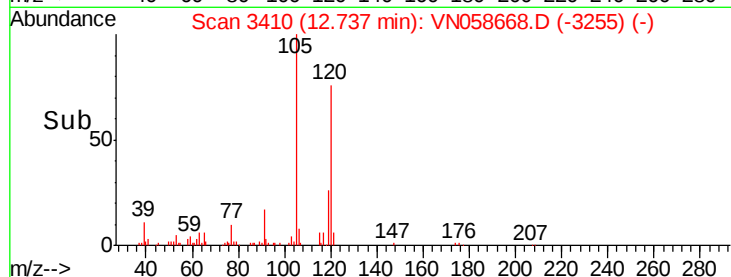
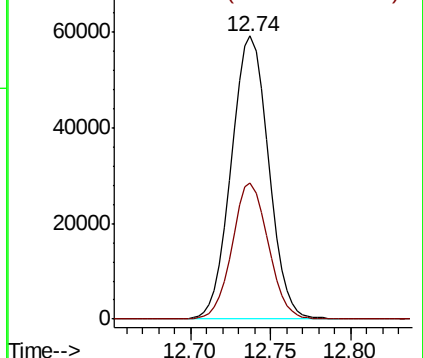
105 100

120 46.6 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#77

t-1,4-Dichloro-2-butene

Concen: 5.550 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

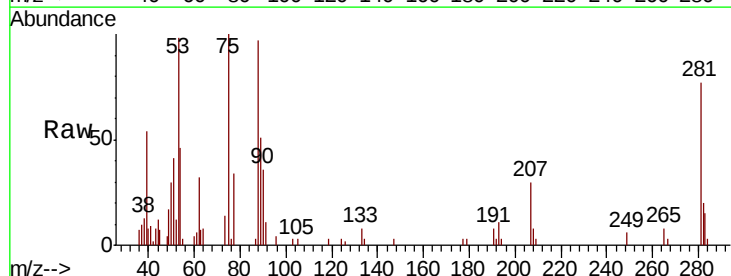
Tgt Ion: 75 Resp: 11266

Ion Ratio Lower Upper

75 100

53 101.1 50.0 150.0

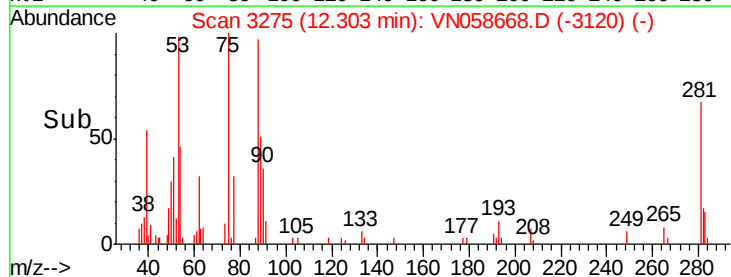
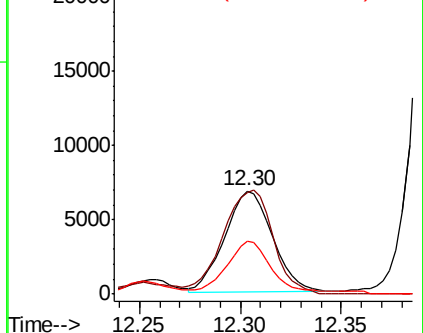
89 49.5 20.7 62.1

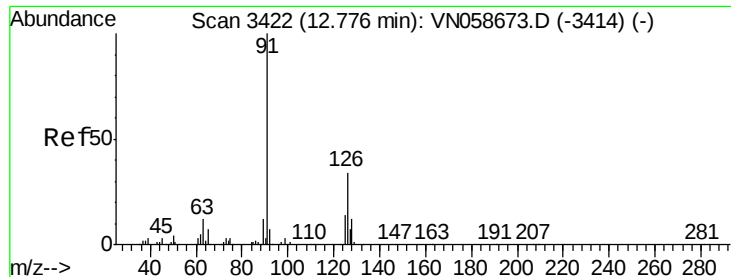


Abundance Ion 75.00 (74.70 to 75.70): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 89.00 (88.70 to 89.70): VNO





#78

4-Chlorotoluene

Concen: 4.981 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :

MSVOA_N

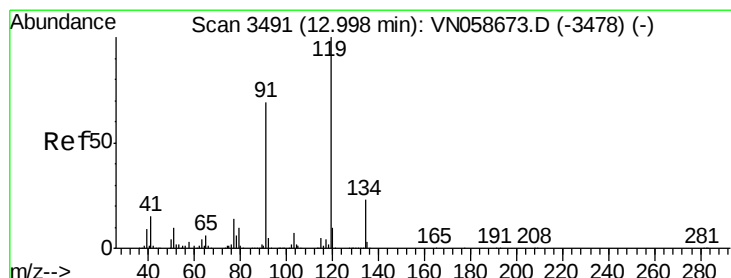
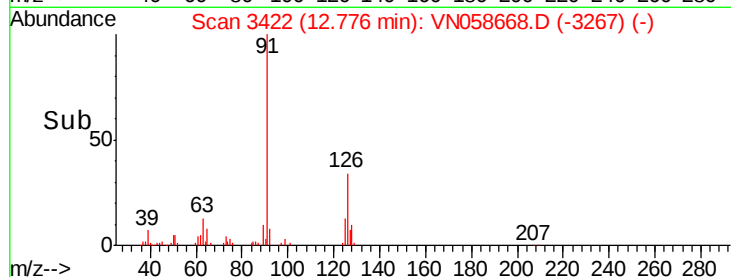
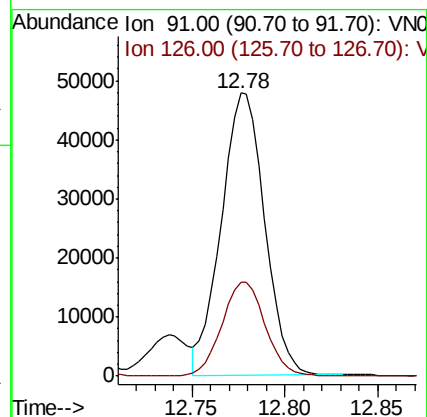
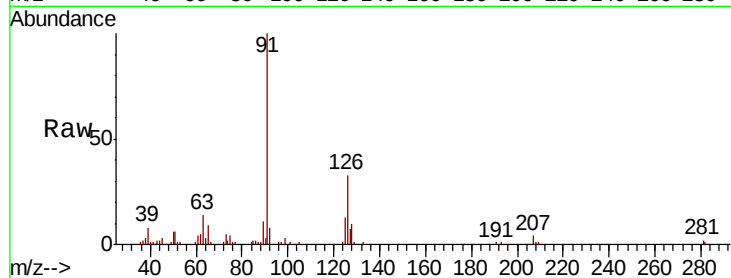
ClientSampled :

Tot Ion: 91 Resp: 77348

Ion Ratio Lower Upper

91 100

126 33.5 0.0 63.4



#79

tert-butylbenzene

Concen: 5.024 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

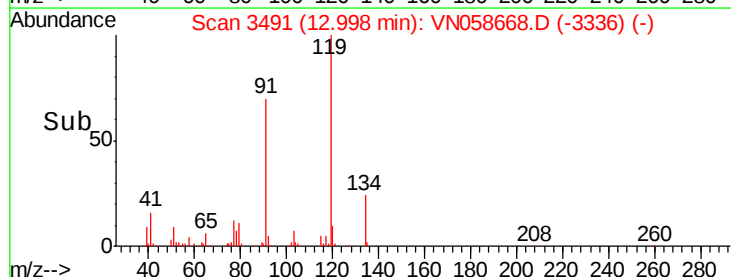
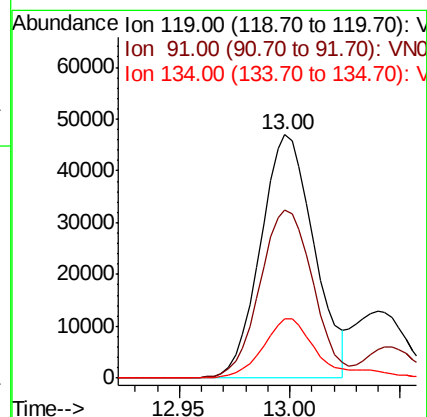
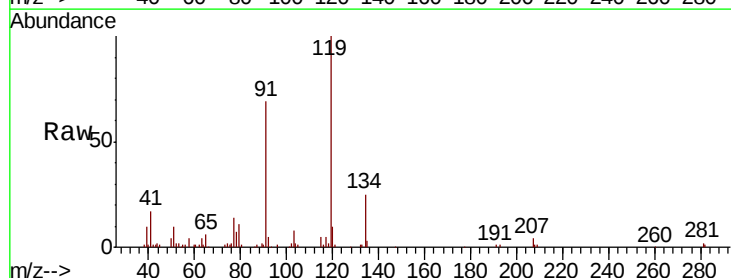
Tgt Ion: 119 Resp: 79000

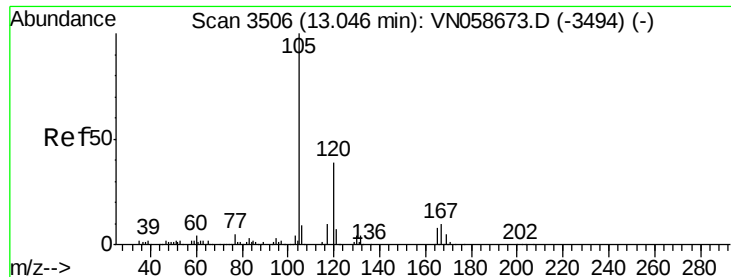
Ion Ratio Lower Upper

119 100

91 69.0 0.0 136.4

134 23.7 0.0 47.2

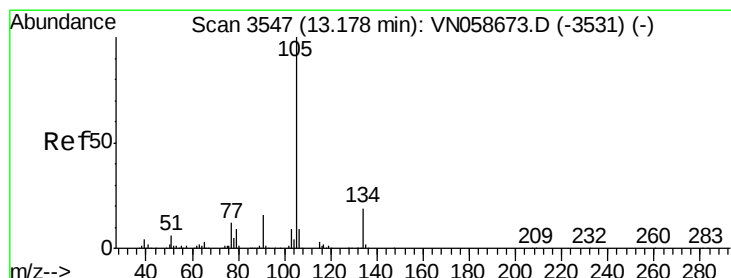
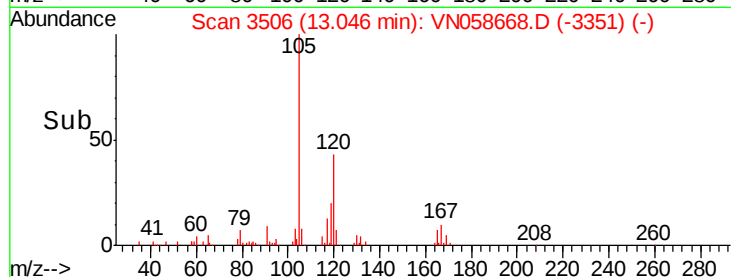
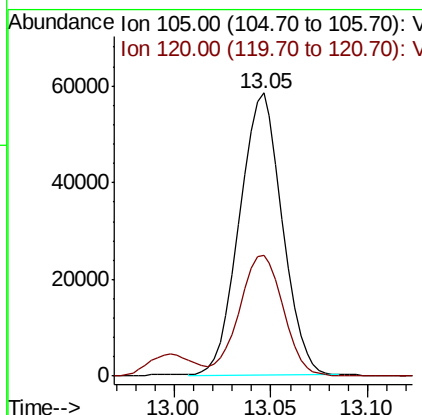
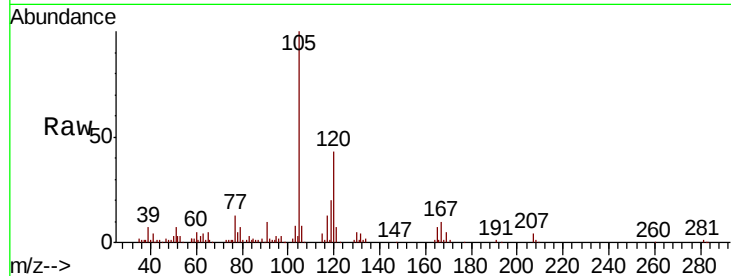




#80
 1,2,4-Trimethylbenzene
 Concen: 4.990 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

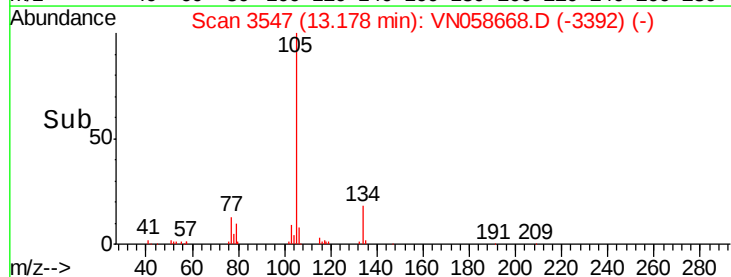
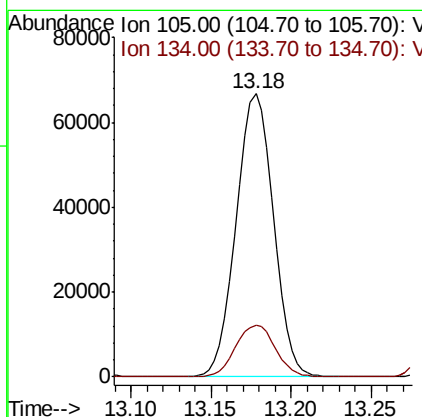
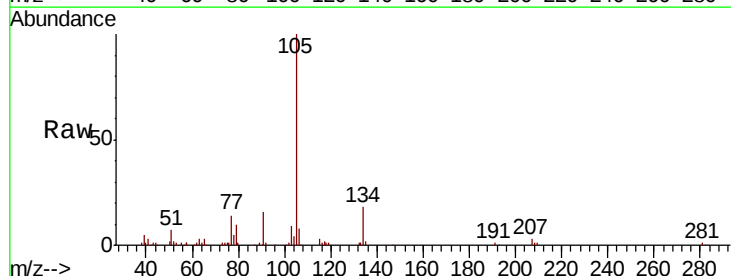
Instrument :
 MSVOA_N
 ClientSampleId :

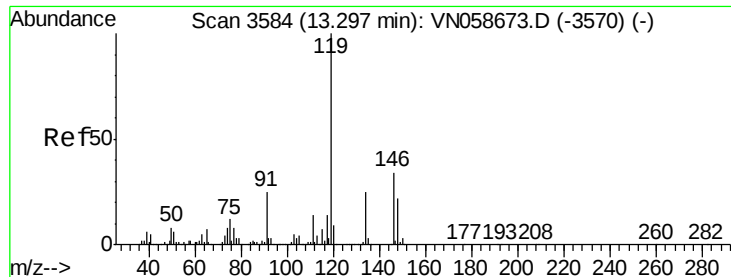
Tot Ion:105 Resp: 89827
 Ion Ratio Lower Upper
 105 100
 120 44.1 0.0 89.2



#81
 sec-Butylbenzene
 Concen: 5.171 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

Tgt Ion:105 Resp: 106139
 Ion Ratio Lower Upper
 105 100
 134 19.5 0.0 38.0

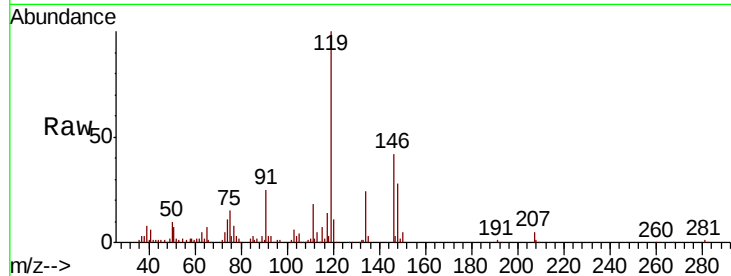




#82
 p-Isopropyltoluene
 Concen: 4.933 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	0.0	50.8
91	24.9	0.0	49.4

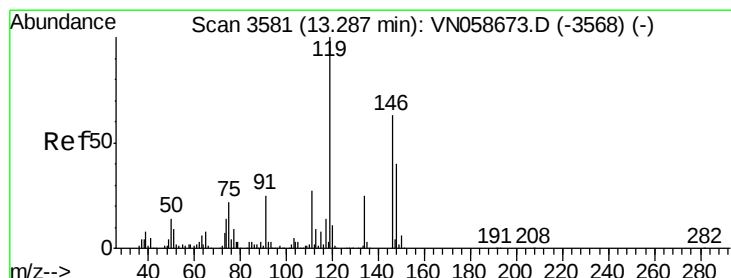
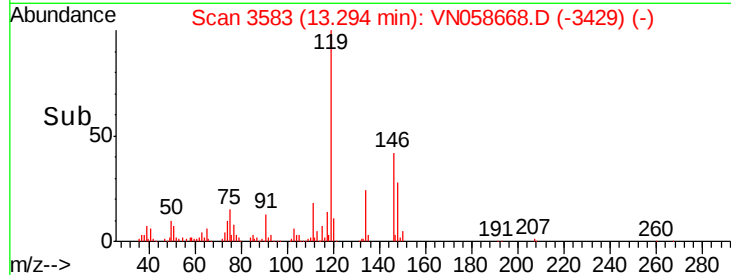
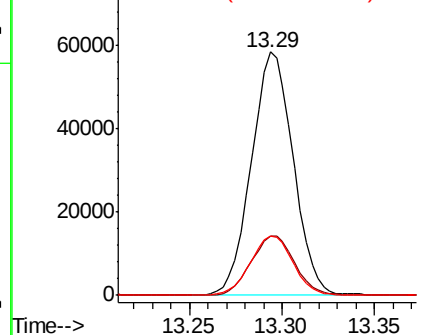


Abundance

Ion 119.00 (118.70 to 119.70): V

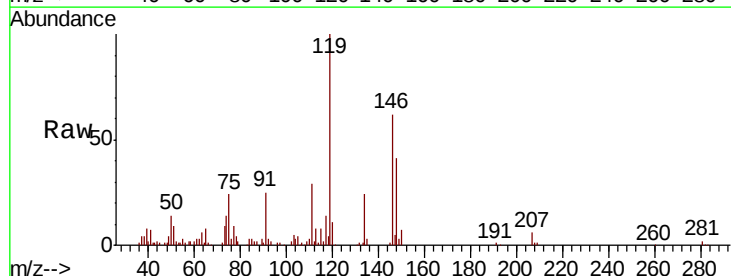
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#83
 1,3-Dichlorobenzene
 Concen: 4.939 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.0	63.0
148	66.1	31.7	95.1

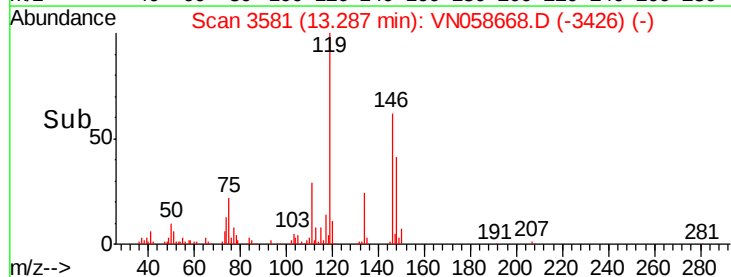
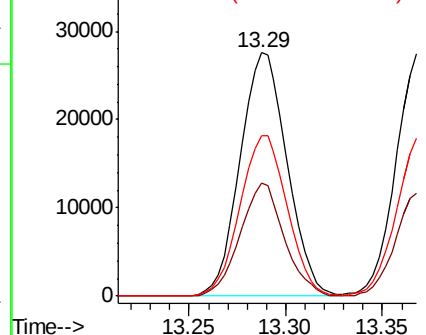


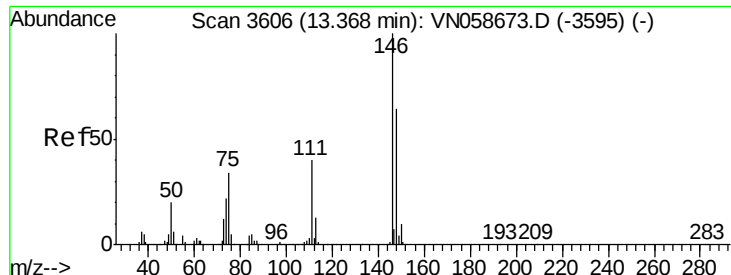
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

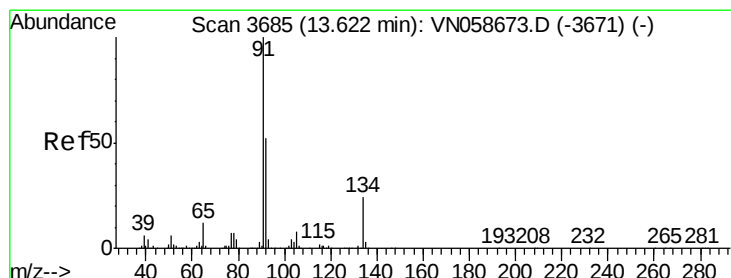
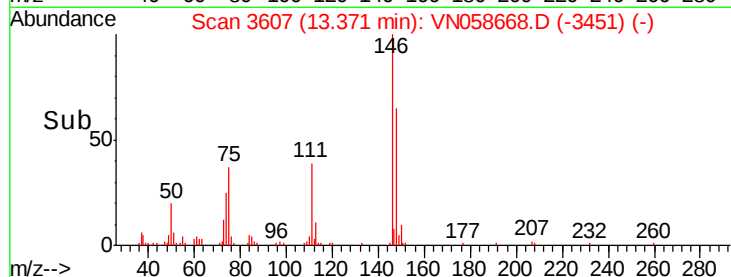
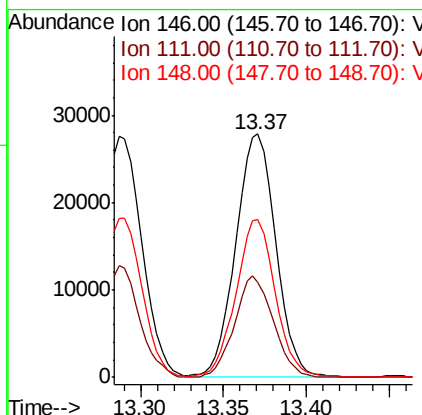
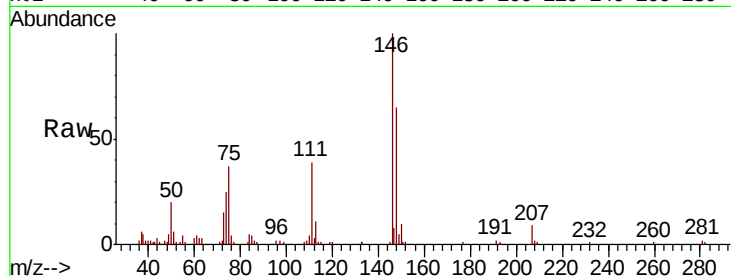




#84
 1,4-Dichlorobenzene
 Concen: 4.984 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

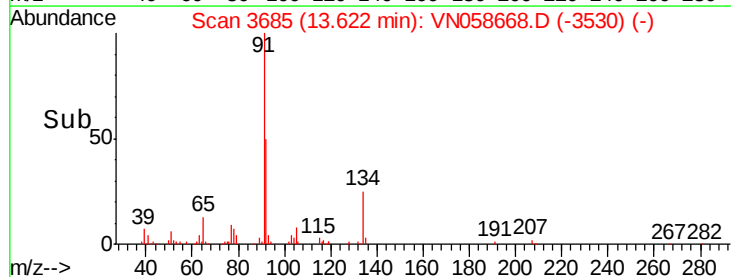
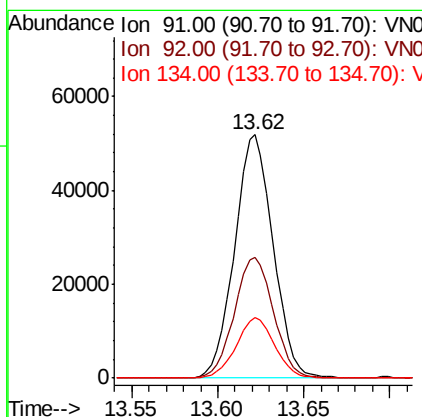
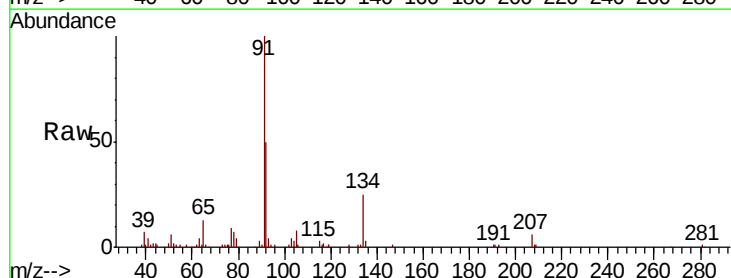
Instrument :
 MSVOA_N
 ClientSampled :

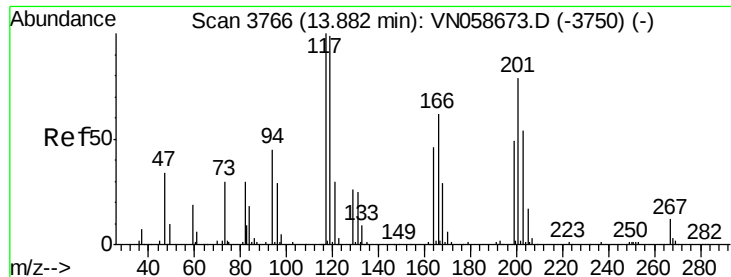
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.8	59.4
148	63.7	31.6	94.8



#85
 n-Butylbenzene
 Concen: 4.700 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. -0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.5	0.0	102.8
134	24.7	0.0	48.6





#86

Hexachloroethane

Concen: 5.378 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :

MSVOA_N

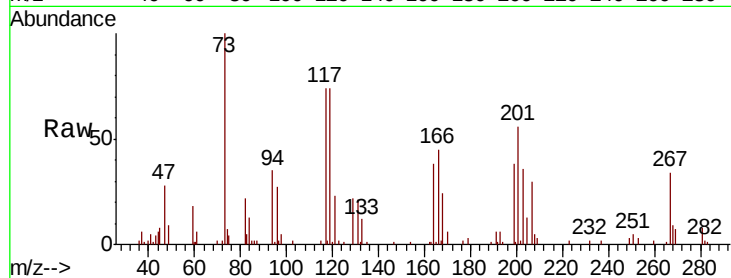
ClientSampled :

Tot Ion:117 Resp: 16774

Ion Ratio Lower Upper

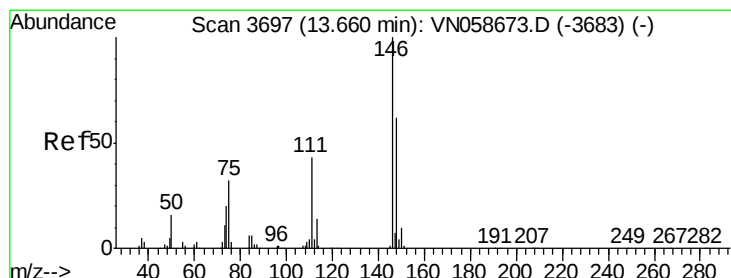
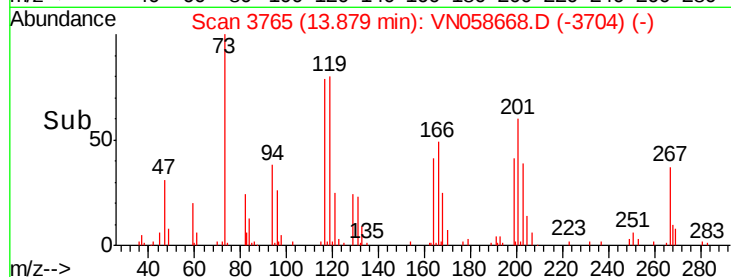
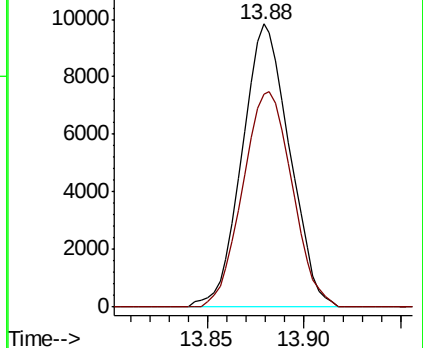
117 100

201 79.2 38.7 116.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V



#87

1,2-Dichlorobenzene

Concen: 5.164 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

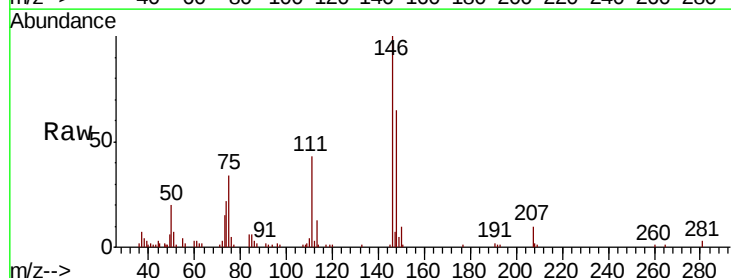
Tgt Ion:146 Resp: 47516

Ion Ratio Lower Upper

146 100

111 44.1 21.8 65.4

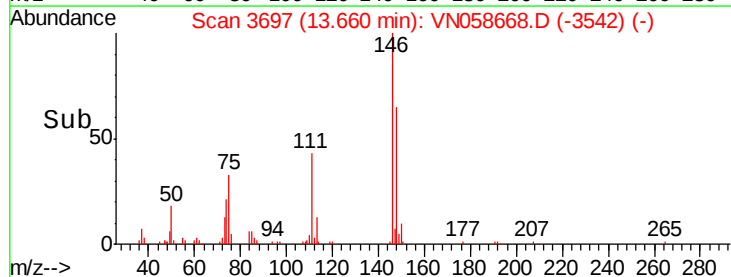
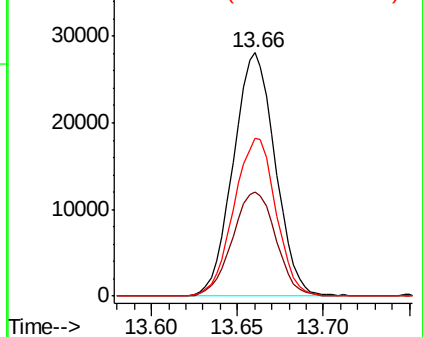
148 64.9 32.1 96.5

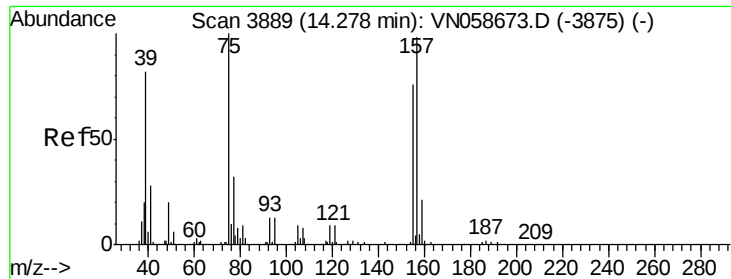


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#88

1,2-Dibromo-3-Chloropropane

Concen: 5.878 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

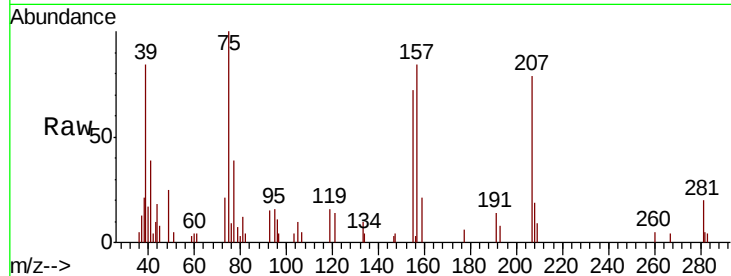
Tot Ion: 75 Resp: 8158

Ion Ratio Lower Upper

75 100

155 73.2 58.3 87.5

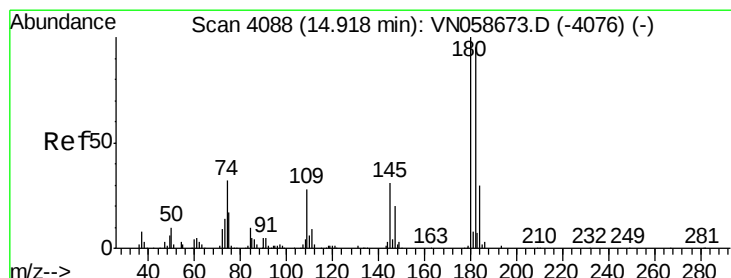
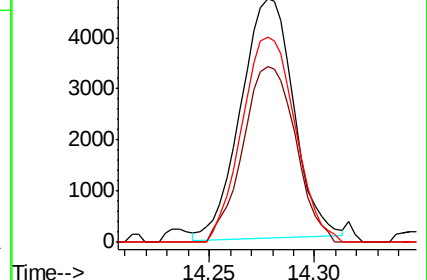
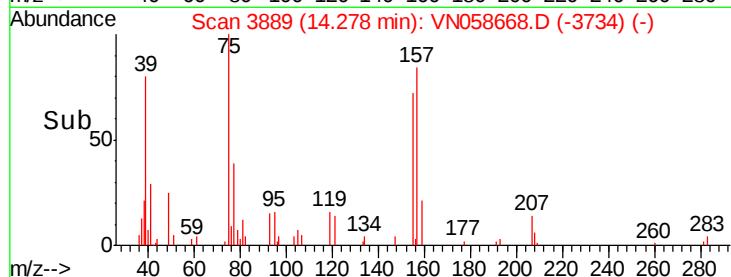
157 86.3 75.0 112.6



Abundance Ion 75.00 (74.70 to 75.70): VN058668.D (-3734) (-)

Ion 155.00 (154.70 to 155.70): VN058668.D (-3734) (-)

Ion 157.00 (156.70 to 157.70): VN058668.D (-3734) (-)



#89

1,2,4-Trichlorobenzene

Concen: 4.645 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

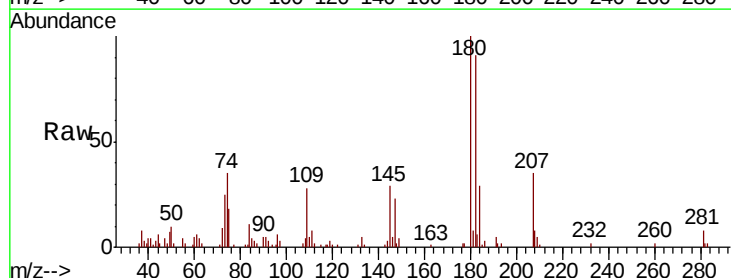
Tgt Ion: 180 Resp: 28068

Ion Ratio Lower Upper

180 100

182 92.0 75.3 112.9

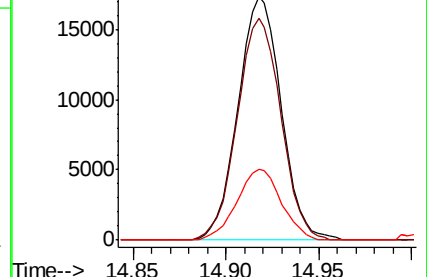
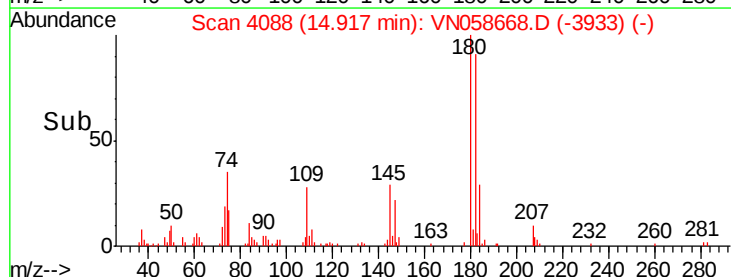
145 29.8 24.8 37.2

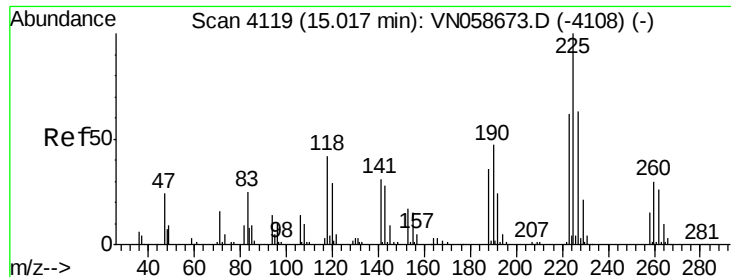


Abundance Ion 180.00 (179.70 to 180.70): VN058668.D (-3933) (-)

Ion 182.00 (181.70 to 182.70): VN058668.D (-3933) (-)

Ion 145.00 (144.70 to 145.70): VN058668.D (-3933) (-)

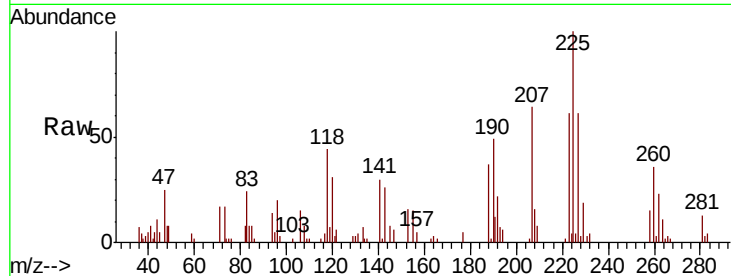




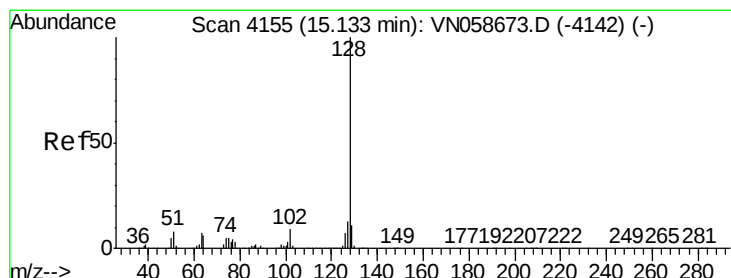
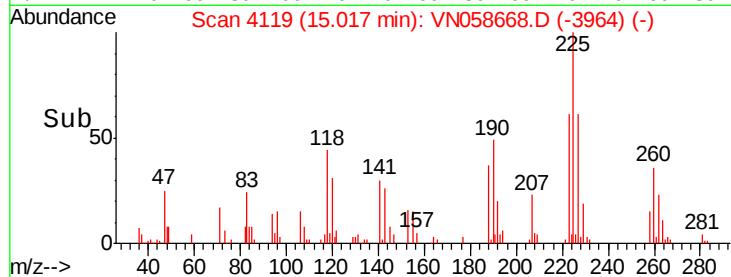
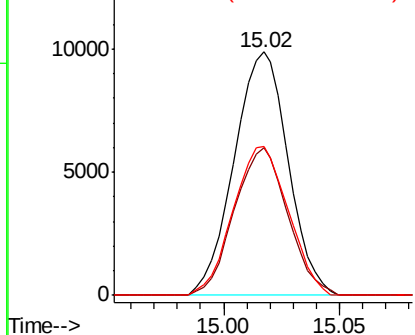
#90
Hexachlorobutadiene
Concen: 5.411 ug/l
RT: 15.02 min Scan# 4119
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:225 Resp: 15949
Ion Ratio Lower Upper
225 100
223 60.0 0.0 126.2
227 62.5 0.0 127.0

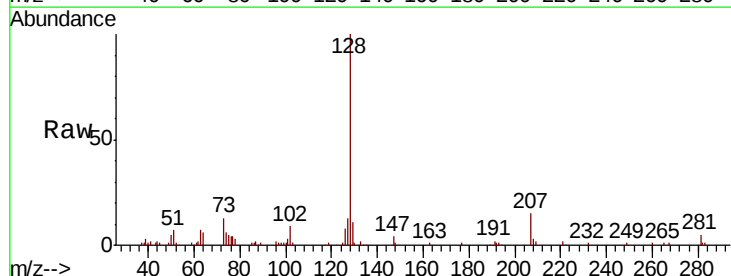


Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V

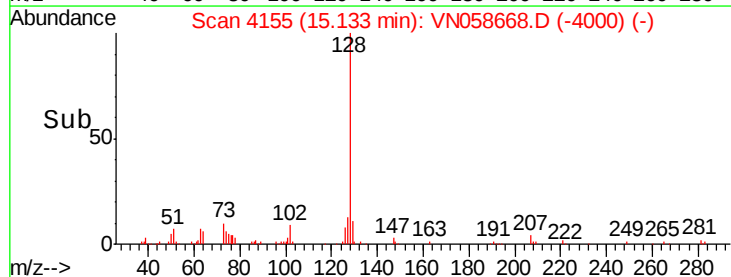
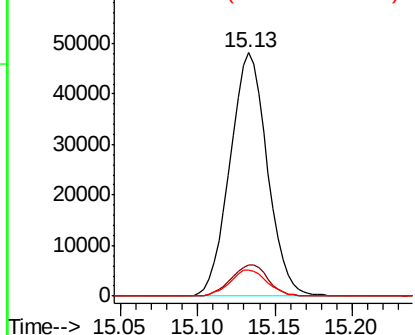


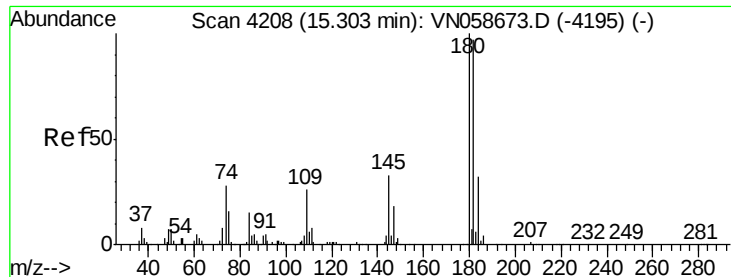
#91
Naphthalene
Concen: 4.790 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Tgt Ion:128 Resp: 80584
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 10.6 8.6 13.0



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





#92
 1,2,3-Trichlorobenzene
 Concen: 4.800 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. -0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.8	0.0	193.4
145	32.3	0.0	65.8

