

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112618\
 Data File : VN052464.D
 Acq On : 26 Nov 2018 17:38
 Operator : MD\SY
 Sample : VN1126WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 27 00:59:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	170341	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	992936	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	869250	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	350173	30.17	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.57%
60) 4-Bromofluorobenzene	12.40	95	395330	29.75	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.17%
63) Toluene-d8	10.09	98	1214191	30.12	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	187495	19.326	ug/l 99
3) Chloromethane	2.06	50	252696	19.640	ug/l 100
4) Vinyl Chloride	2.19	62	255983	19.712	ug/l 98
5) Bromomethane	2.58	94	153970	20.795	ug/l 95
6) Chloroethane	2.71	64	152714	19.775	ug/l 98
7) Trichlorofluoromethane	3.02	101	309749	19.327	ug/l 99
8) Diethyl Ether	3.41	74	114735	19.388	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	194873	19.181	ug/l 99
10) 1,1-Dichloroethene	3.74	96	185064	19.374	ug/l 99
11) Methyl Iodide	3.96	142	253530	19.116	ug/l 99
12) Methyl Acetate	4.33	43	159250	19.621	ug/l 97
13) Acrolein	3.61	56	92093	96.595	ug/l 100
14) Acrylonitrile	4.99	53	340307	98.406	ug/l 99
15) Acetone	3.82	58	78470	87.617	ug/l 94
16) Carbon Disulfide	4.06	76	565512	18.699	ug/l 99
17) Allyl chloride	4.33	41	328094	19.695	ug/l 99
18) Methylene Chloride	4.55	84	218103	19.720	ug/l 96
19) trans-1,2-Dichloroethene	5.05	96	202973	19.745	ug/l 94
20) Diisopropyl ether	5.95	45	690240	19.716	ug/l 100
21) 1,1-Dichloroethane	5.85	63	394982	19.795	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	231118	19.617	ug/l 99
23) tert-Butyl Alcohol	4.78	59	51718	100.532	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	496328	19.806	ug/l 100
25) Chloroform	7.37	83	375710	19.518	ug/l 99
26) Cyclohexane	7.65	56	361011	19.183	ug/l # 100
29) 1,1-Dichloropropene	7.80	75	294314	19.410	ug/l 99
30) 2-Butanone	6.84	43	381015	93.906	ug/l 99
31) 2,2-Dichloropropane	6.83	77	261150	18.708	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	308107	19.528	ug/l 98
33) Carbon Tetrachloride	7.78	117	263803	19.109	ug/l 98
34) Benzene	8.04	78	885347	19.420	ug/l 99
35) Methacrylonitrile	7.17	41	84724	16.830	ug/l 98
36) 1,2-Dichloroethane	8.13	62	269696	19.522	ug/l 99
37) Trichloroethene	8.84	130	227186	19.652	ug/l 97
38) Methylcyclohexane	9.08	83	354094	18.864	ug/l 99
39) 1,2-Dichloropropane	9.12	63	235370	19.261	ug/l 95
40) Dibromomethane	9.21	93	131012	19.839	ug/l 99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	279227	19.138	ug/l	98
42) Vinyl Acetate	5.90	43	2119605	96.551	ug/l	99
43) Ethyl Acetate	6.93	43	164813	19.103	ug/l #	70
44) Isopropyl Acetate	8.17	43	299203	19.774	ug/l #	79
45) 1,4-Dioxane	9.20	88	32453	392.050	ug/l	99
46) Methyl methacrylate	9.20	41	153380	19.523	ug/l	99
47) n-amyl Acetate	12.07	43	236764	18.872	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	266592	18.845	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	328170	19.040	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	187179	19.996	ug/l	100
51) Ethyl methacrylate	10.43	69	227839	19.379	ug/l	98
52) 1,3-Dichloropropane	10.71	76	325041	19.508	ug/l	98
53) Dibromochloromethane	10.90	129	197550	19.169	ug/l	97
54) 1,2-Dibromoethane	11.01	107	182201	19.919	ug/l	96
55) 2-Chloroethyl vinyl ether	9.70	63	668769	97.179	ug/l	99
56) Bromoform	12.13	173	127157	18.876	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	845261	100.302	ug/l	99
59) 2-Hexanone	10.75	43	551762	95.847	ug/l	99
61) Tetrachloroethene	10.63	164	213033	19.899	ug/l	96
62) Toluene	10.16	91	940369	19.624	ug/l	100
64) Chlorobenzene	11.44	112	575321	19.670	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	196813	19.386	ug/l	99
66) Ethyl Benzene	11.51	91	1002630	19.414	ug/l	99
67) m/p-Xylenes	11.62	106	750928	39.028	ug/l	100
68) o-Xylene	11.95	106	365256	19.558	ug/l	100
69) Styrene	11.97	104	583779	19.367	ug/l	99
70) Isopropylbenzene	12.25	105	982297	19.769	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	217095	20.085	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	263124	28.358	ug/l	50
73) Bromobenzene	12.53	156	234228	19.490	ug/l	99
74) n-propylbenzene	12.59	91	1114591	19.252	ug/l	100
75) 2-Chlorotoluene	12.68	91	662034	19.701	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	792591	19.749	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	52682	17.974	ug/l	95
78) 4-Chlorotoluene	12.78	91	642723	19.152	ug/l	100
79) tert-butylbenzene	12.99	119	692667	19.818	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	792457	19.733	ug/l	99
81) sec-Butylbenzene	13.17	105	944797	19.407	ug/l	99
82) p-Isopropyltoluene	13.29	119	796962	19.225	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	404265	19.127	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	391081	19.151	ug/l	99
85) n-Butylbenzene	13.62	91	657257	18.458	ug/l	100
86) Hexachloroethane	13.88	117	132992	18.934	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	396325	19.705	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	29305	19.355	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	182233	18.390	ug/l	100
90) Hexachlorobutadiene	15.01	225	128233	19.727	ug/l	98
91) Naphthalene	15.14	128	364591	18.219	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	169931	18.608	ug/l	98

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration

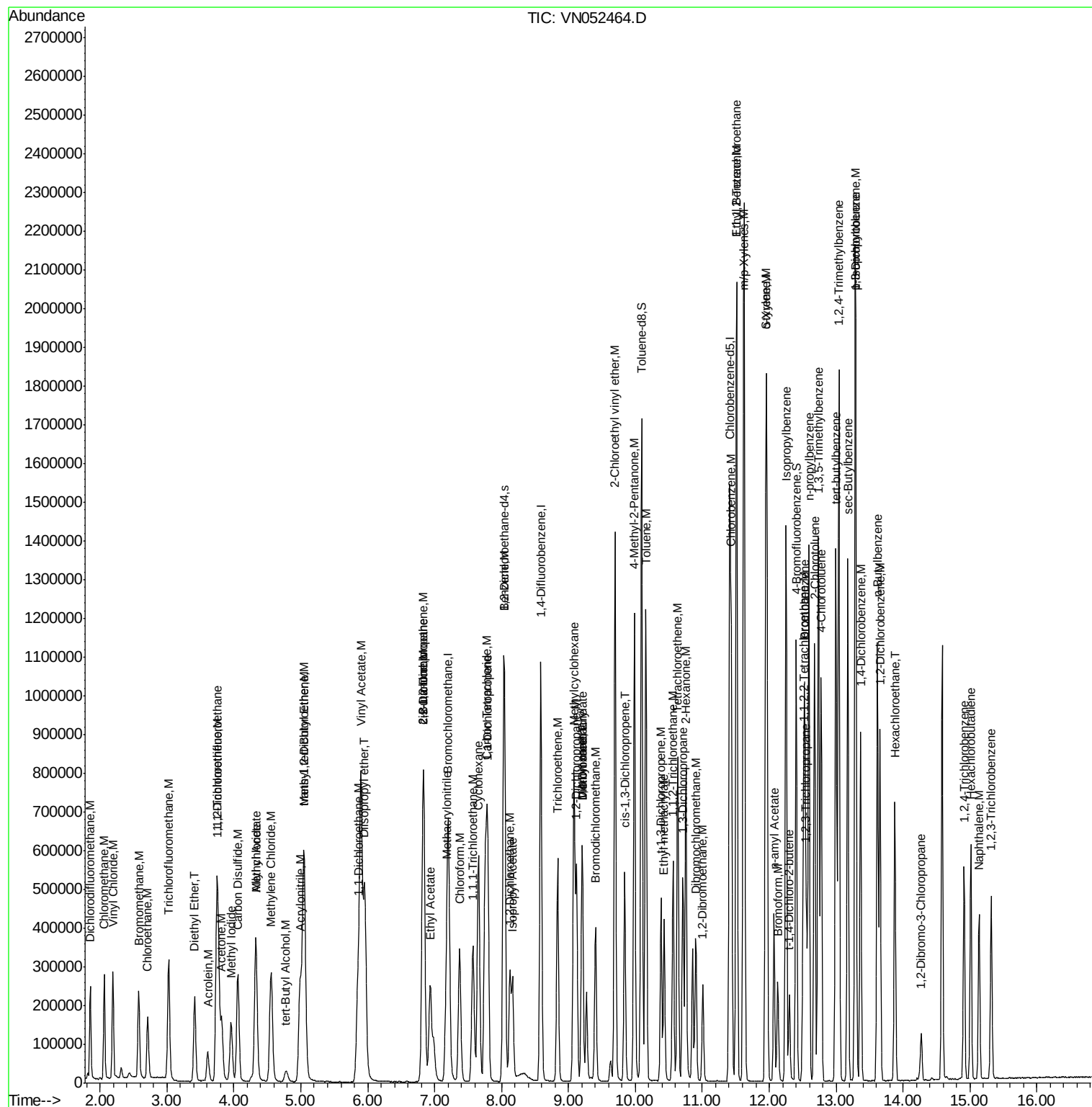
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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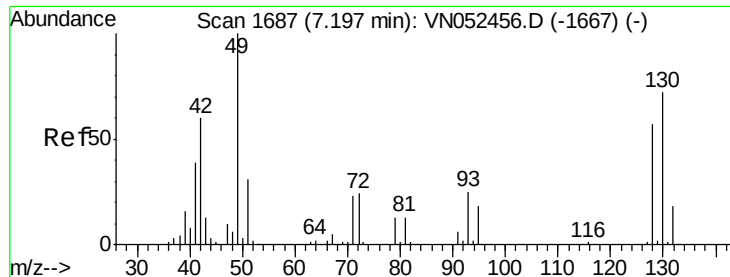
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 27 00:59:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :
MSVOA_N
ClientSampleId :

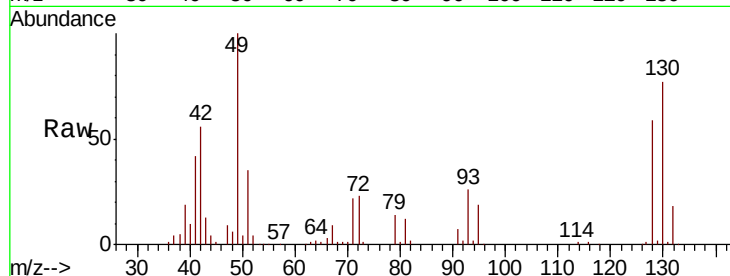
Tot Ion:128 Resp: 170341

Ion Ratio Lower Upper

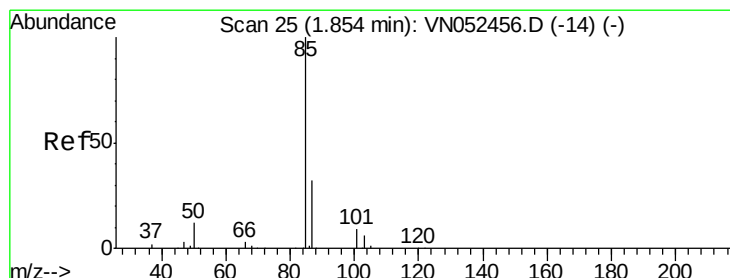
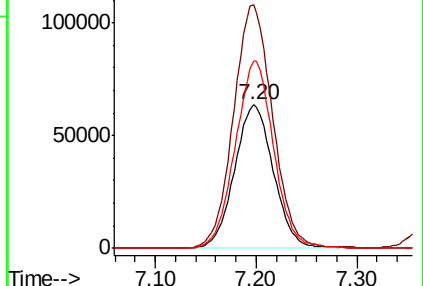
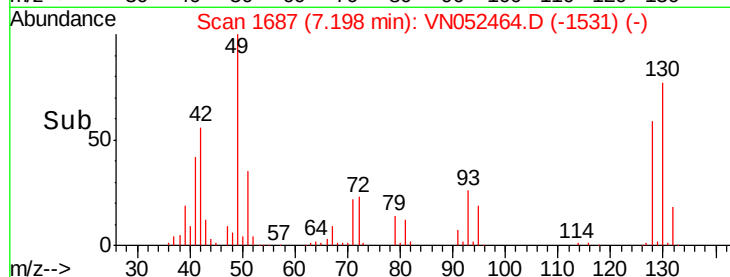
128 100

49 170.3 0.0 431.8

130 129.1 0.0 317.0



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



#2

Dichlorodifluoromethane

Concen: 19.326 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052464.D

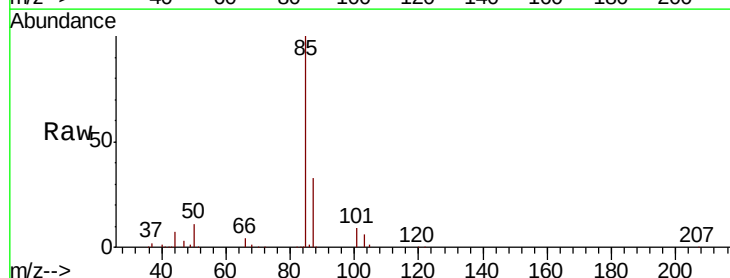
Acq: 26 Nov 2018 17:38

Tgt Ion: 85 Resp: 187495

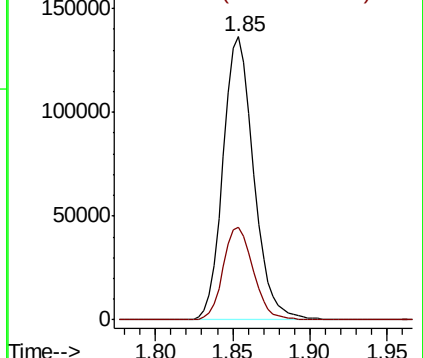
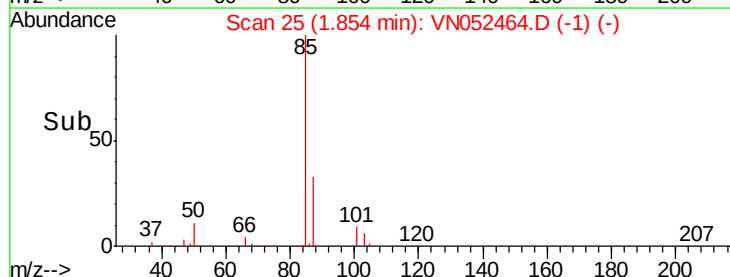
Ion Ratio Lower Upper

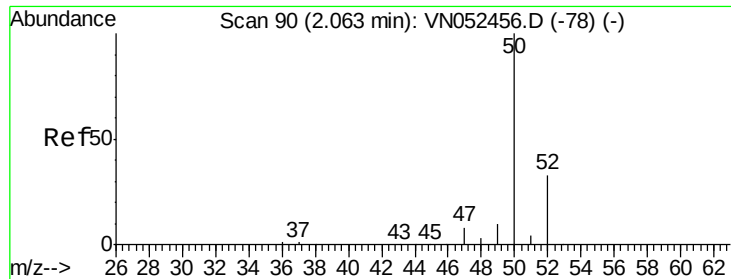
85 100

87 32.8 16.1 48.3



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





#3

Chloromethane

Concen: 19.640 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

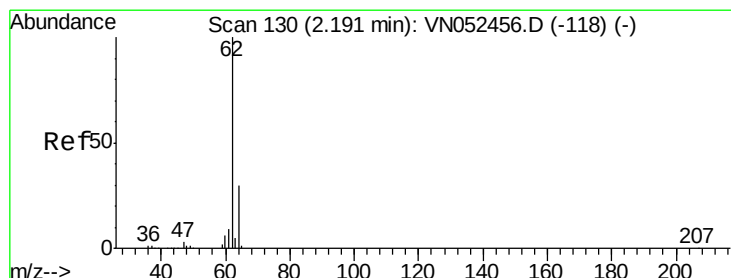
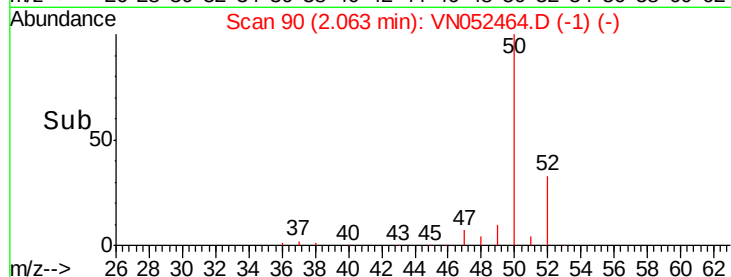
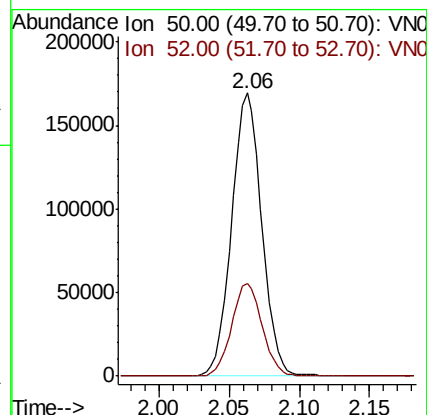
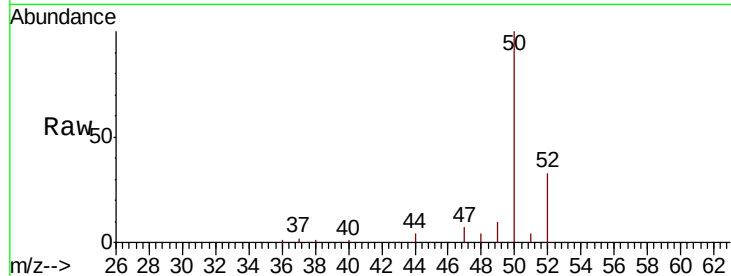
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 252696

Ion Ratio Lower Upper

50 100

52 32.9 26.5 39.7



#4

Vinyl Chloride

Concen: 19.712 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052464.D

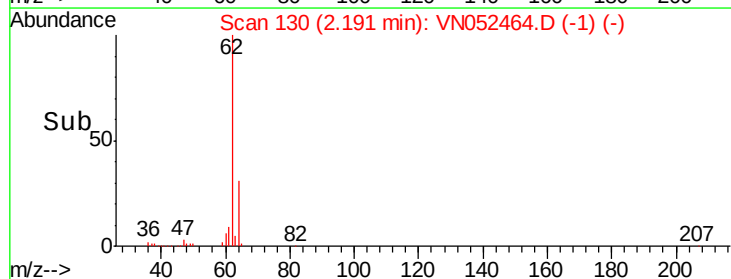
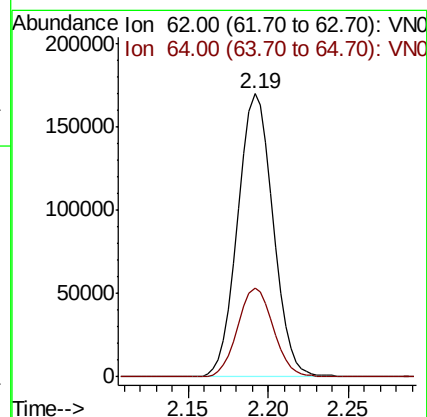
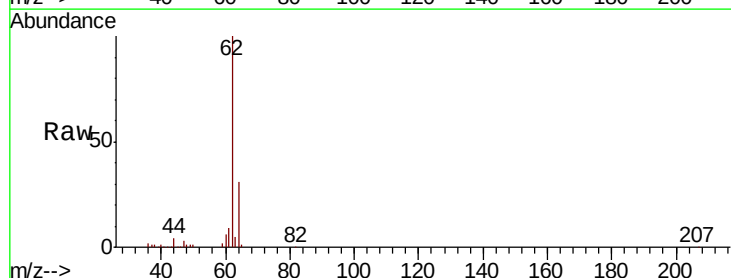
Acq: 26 Nov 2018 17:38

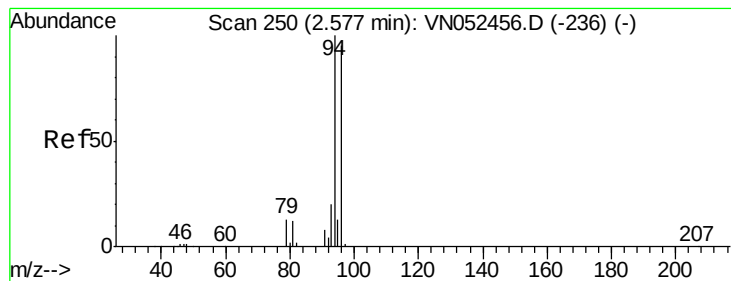
Tgt Ion: 62 Resp: 255983

Ion Ratio Lower Upper

62 100

64 31.4 24.2 36.4





#5

Bromomethane

Concen: 20.795 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

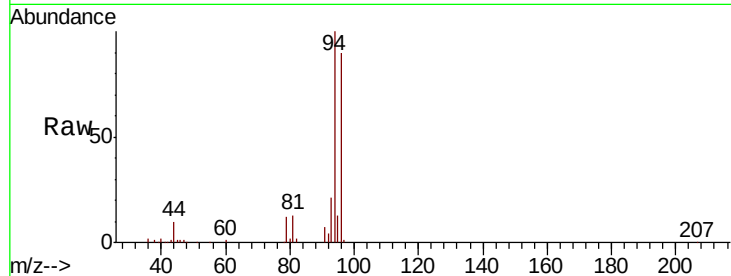
ClientSampleId :

Tot Ion: 94 Resp: 153970

Ion Ratio Lower Upper

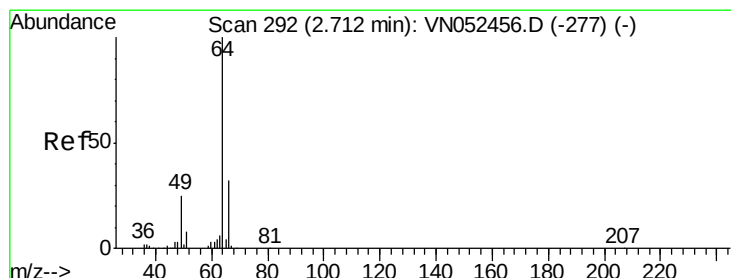
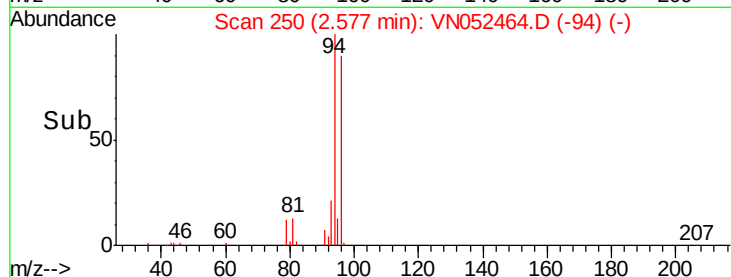
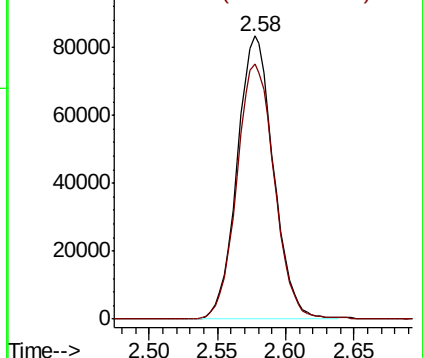
94 100

96 90.1 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.775 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052464.D

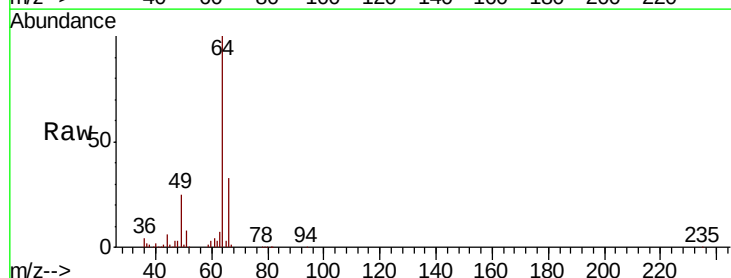
Acq: 26 Nov 2018 17:38

Tgt Ion: 64 Resp: 152714

Ion Ratio Lower Upper

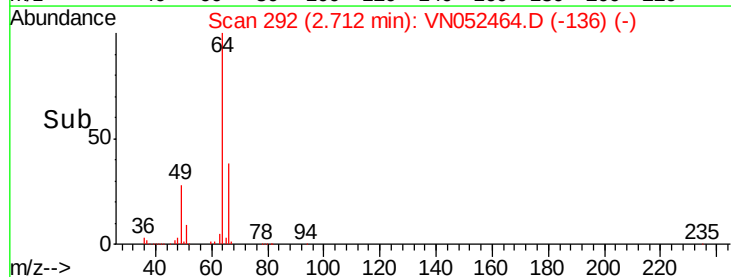
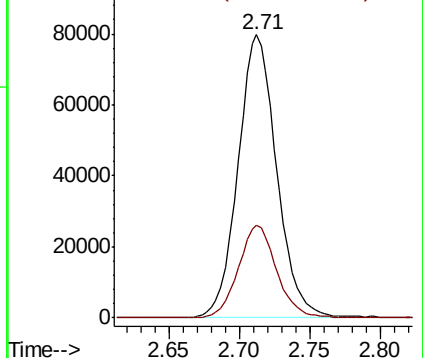
64 100

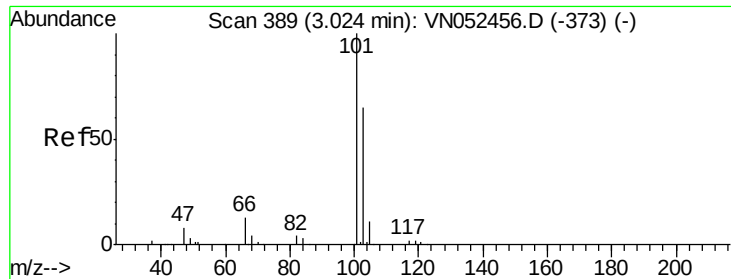
66 32.9 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



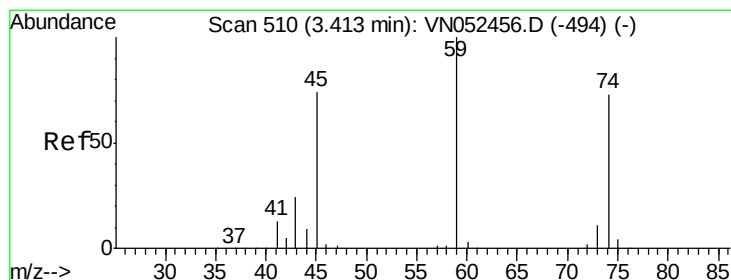
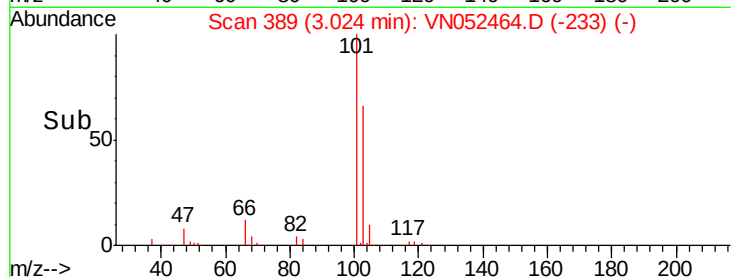
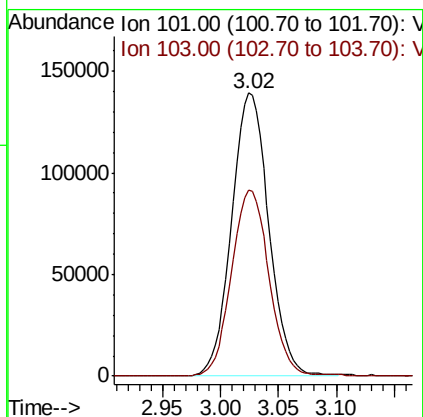
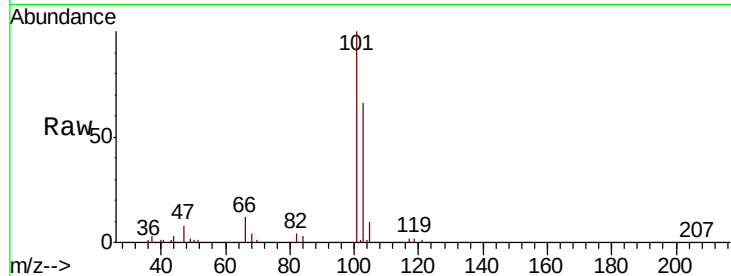


#7

Trichlorofluoromethane
Concen: 19.327 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Instrument :
MSVOA_N
ClientSampleId :

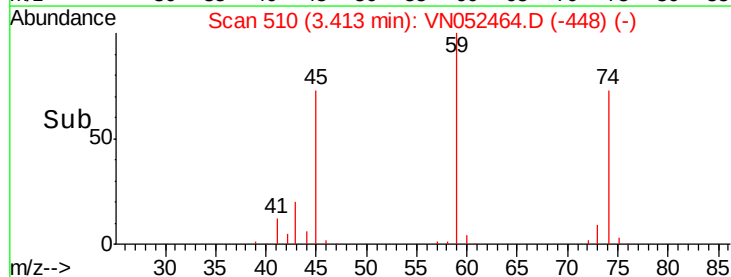
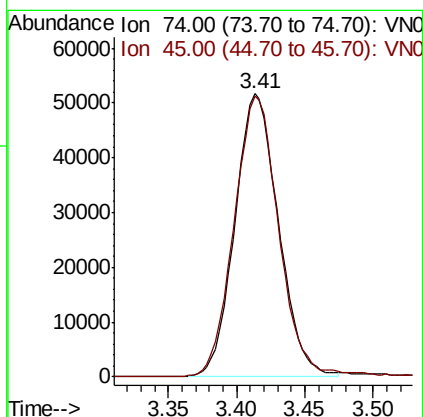
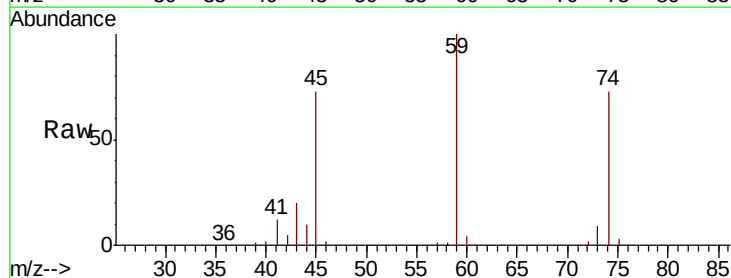
Tot Ion:101 Resp: 309749
Ion Ratio Lower Upper
101 100
103 65.8 52.1 78.1

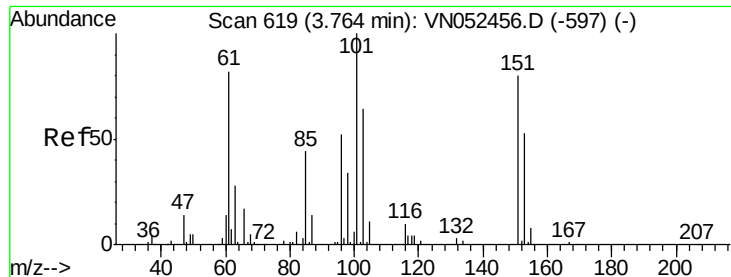


#8

Diethyl Ether
Concen: 19.388 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Tgt Ion: 74 Resp: 114735
Ion Ratio Lower Upper
74 100
45 101.2 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.181 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

ClientSampleId :

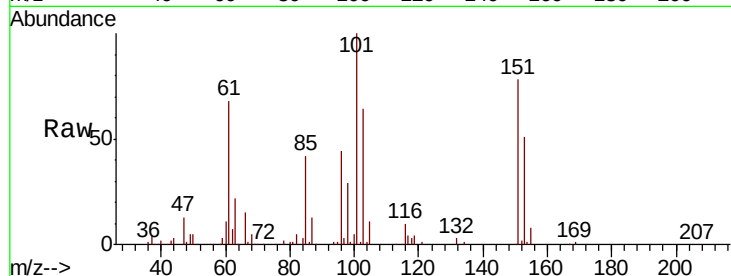
Tot Ion:101 Resp: 194873

Ion Ratio Lower Upper

101 100

85 42.1 0.0 82.6

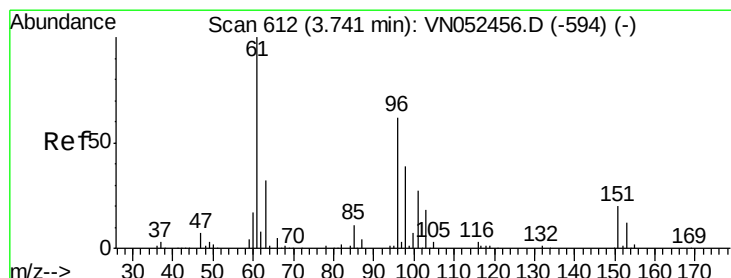
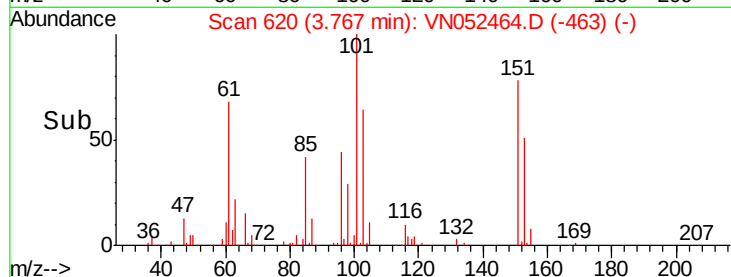
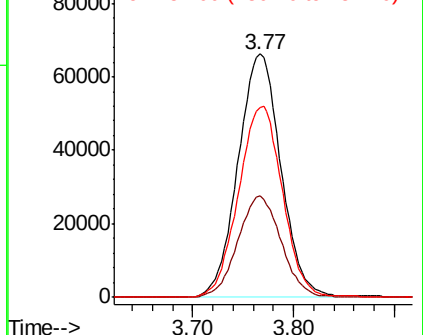
151 80.6 0.0 158.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.374 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

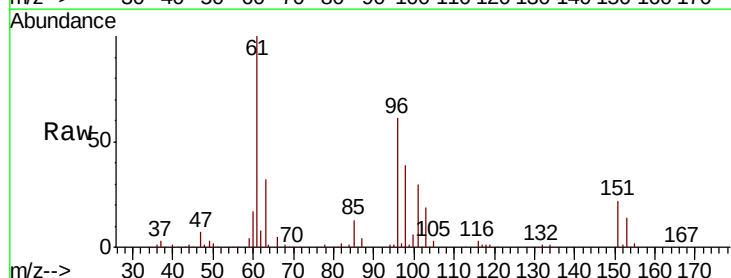
Tgt Ion: 96 Resp: 185064

Ion Ratio Lower Upper

96 100

61 163.1 129.4 194.2

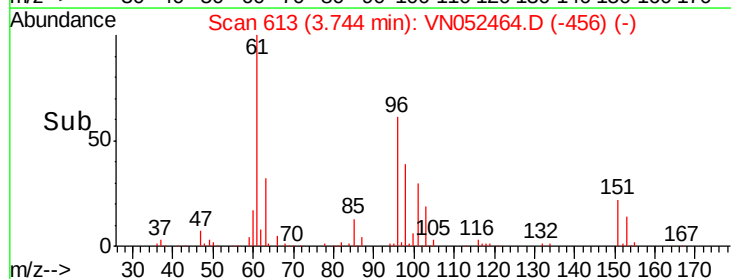
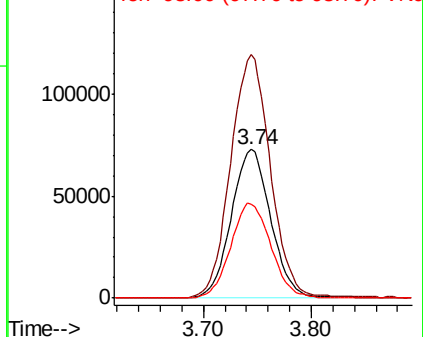
98 63.5 50.4 75.6

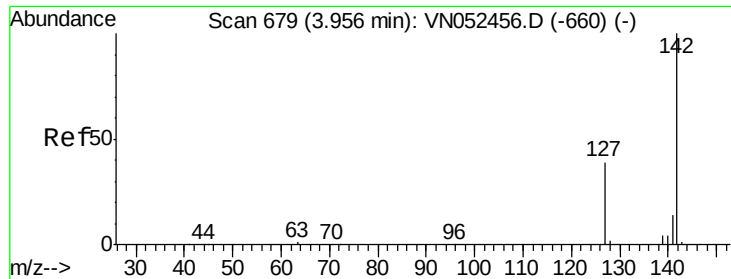


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

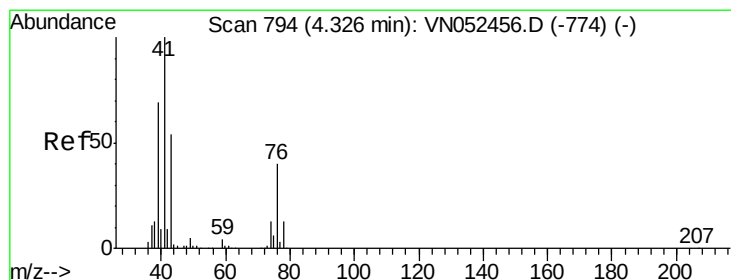
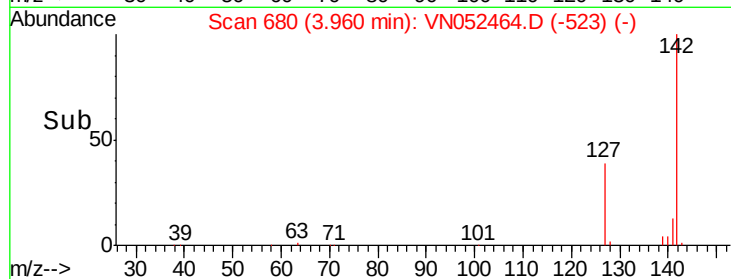
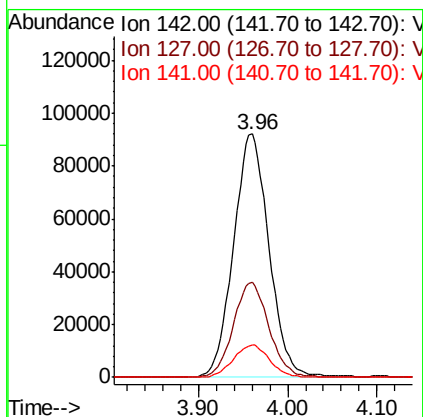
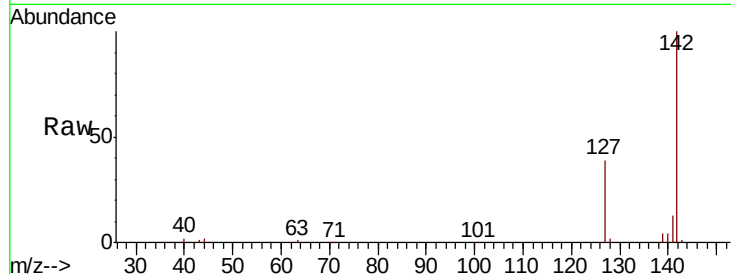




#11
Methyl Iodide
Concen: 19.116 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

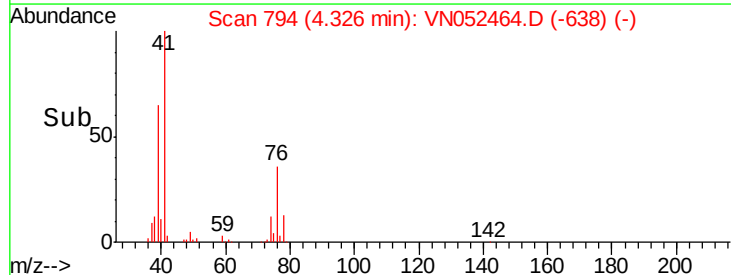
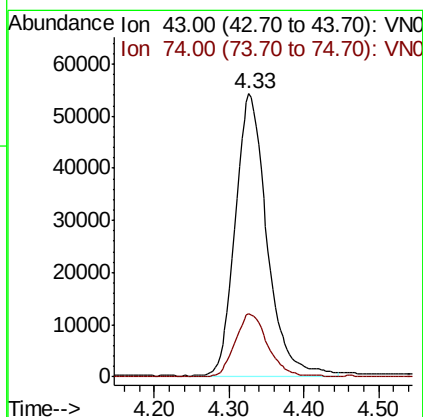
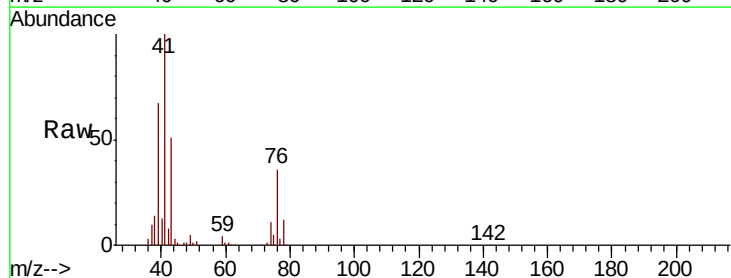
Instrument :
MSVOA_N
ClientSampled :

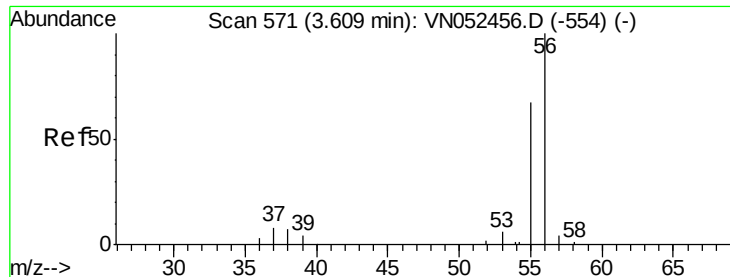
Tot Ion:142 Resp: 253530
Ion Ratio Lower Upper
142 100
127 39.0 19.4 58.1
141 13.5 7.2 21.6



#12
Methyl Acetate
Concen: 19.621 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Tgt Ion: 43 Resp: 159250
Ion Ratio Lower Upper
43 100
74 22.2 18.9 28.3





#13

Acrolein

Concen: 96.595 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

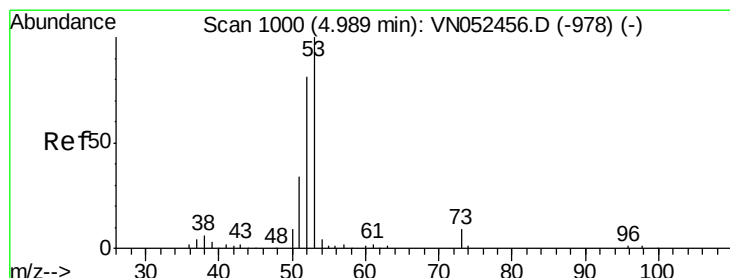
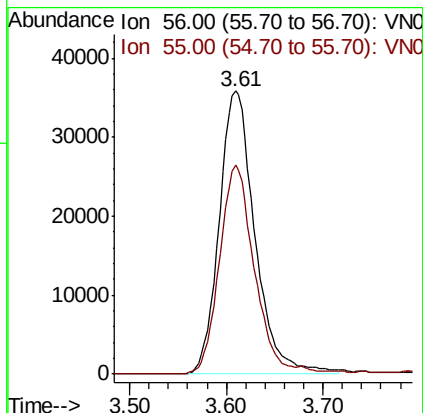
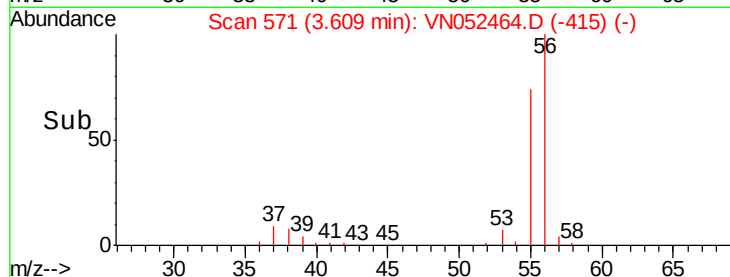
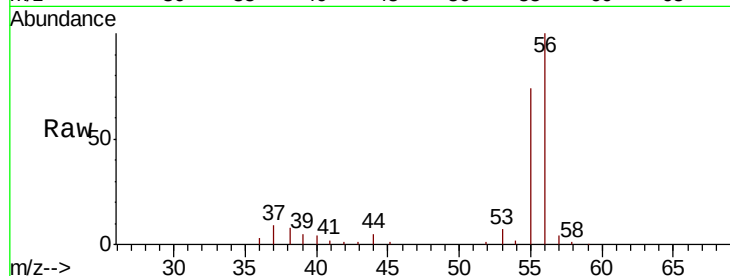
ClientSampled :

Tot Ion: 56 Resp: 92093

Ion Ratio Lower Upper

56 100

55 70.9 56.7 85.1



#14

Acrylonitrile

Concen: 98.406 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

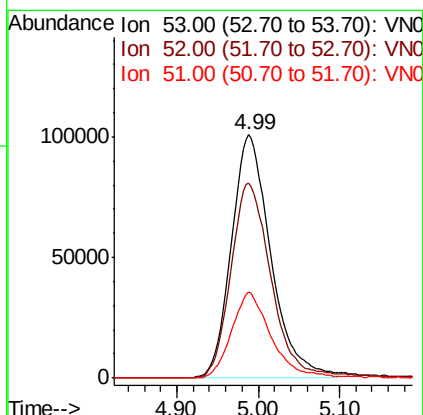
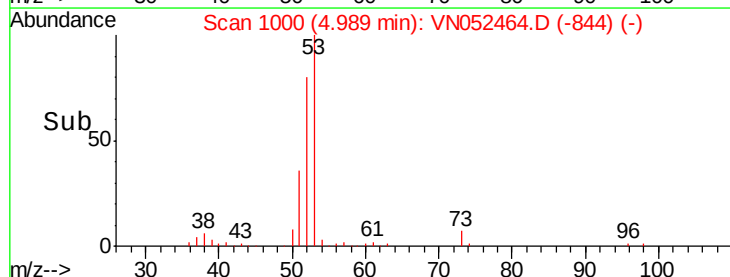
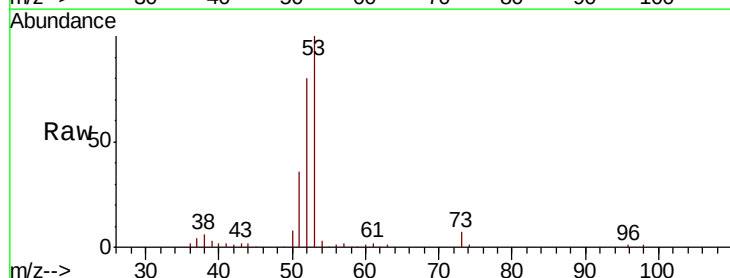
Tgt Ion: 53 Resp: 340307

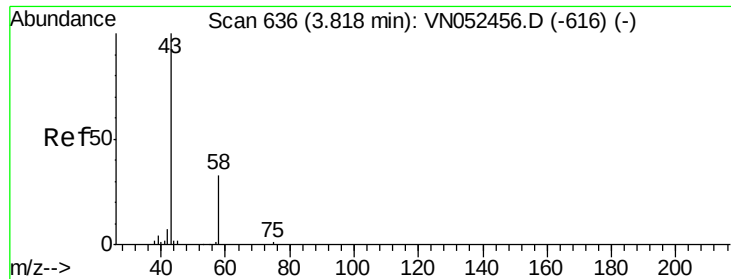
Ion Ratio Lower Upper

53 100

52 81.0 39.9 119.7

51 35.2 17.6 52.9





#15

Acetone

Concen: 87.617 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

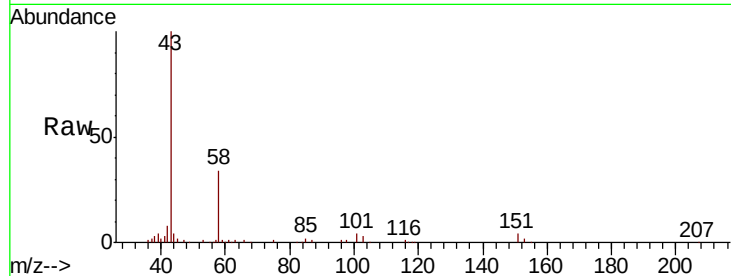
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 58 Resp: 78470

Ion Ratio Lower Upper

58 100

43 291.8 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN052456.D (-616) (-)

Ion 43.00 (42.70 to 43.70): VN052456.D (-616) (-)

100000

80000

60000

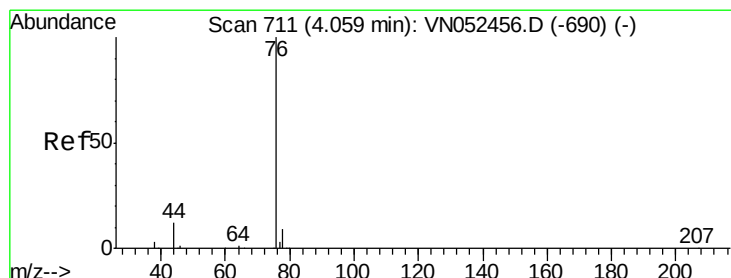
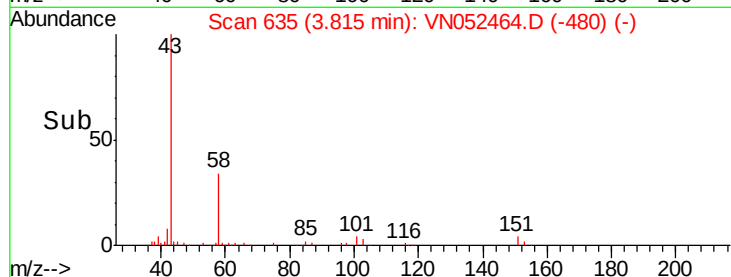
40000

20000

0

3.75 3.80 3.85 3.90

Time-->



#16

Carbon Disulfide

Concen: 18.699 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052464.D

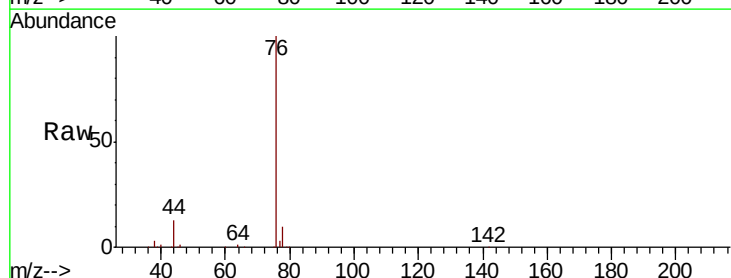
Acq: 26 Nov 2018 17:38

Tgt Ion: 76 Resp: 565512

Ion Ratio Lower Upper

76 100

78 9.6 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN052456.D (-690) (-)

Ion 78.00 (77.70 to 78.70): VN052456.D (-690) (-)

250000

200000

150000

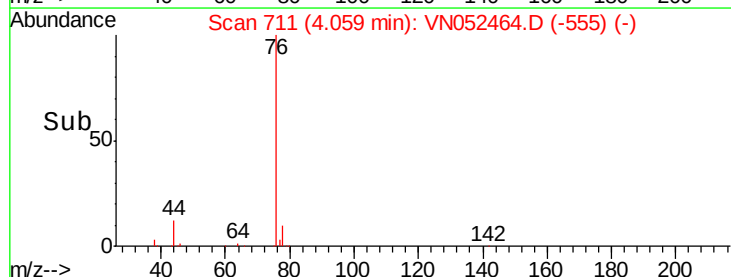
100000

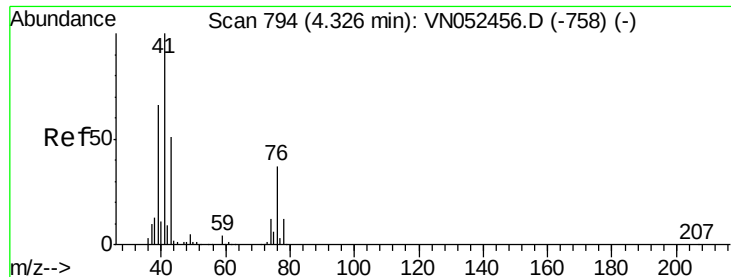
50000

0

4.00 4.10

Time-->

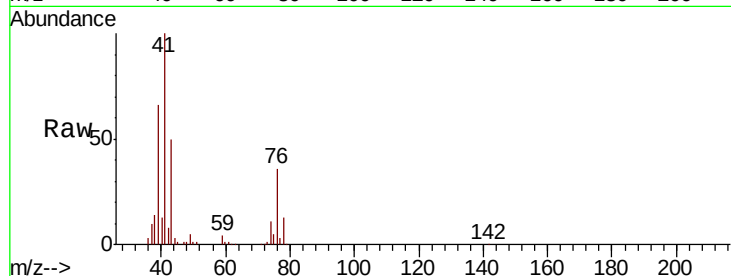




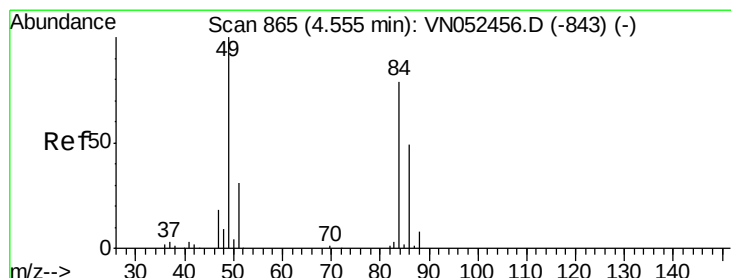
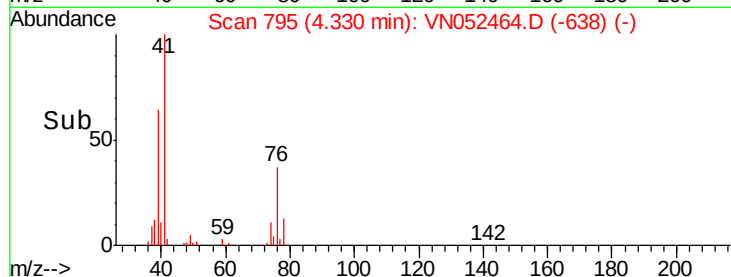
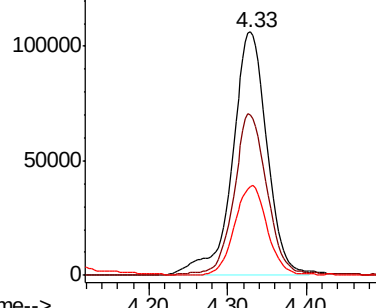
#17
Allvl chloride
Concen: 19.695 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 328094
Ion Ratio Lower Upper
41 100
39 66.0 32.8 98.3
76 36.0 18.6 55.8

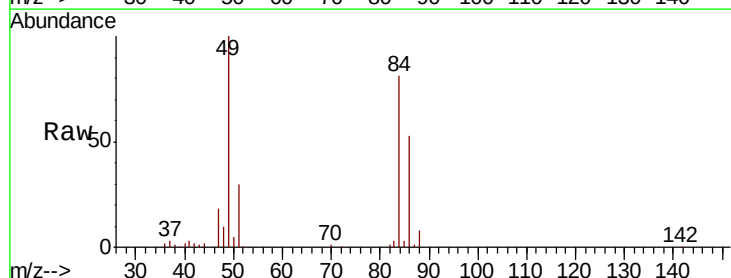


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 76.00 (75.70 to 76.70): VNO

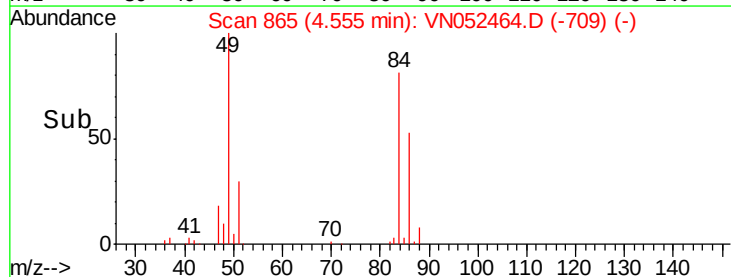
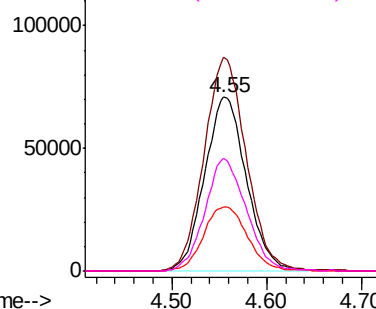


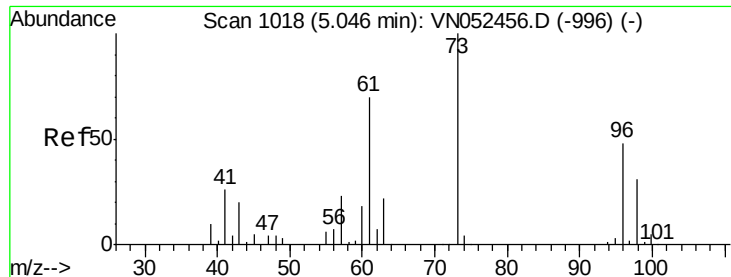
#18
Methylene Chloride
Concen: 19.720 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Tgt Ion: 84 Resp: 218103
Ion Ratio Lower Upper
84 100
49 122.5 101.4 152.0
51 36.6 31.7 47.5
86 64.5 50.1 75.1



Abundance Ion 84.00 (83.70 to 84.70): VNO
Ion 49.00 (48.70 to 49.70): VNO
Ion 51.00 (50.70 to 51.70): VNO
Ion 86.00 (85.70 to 86.70): VNO

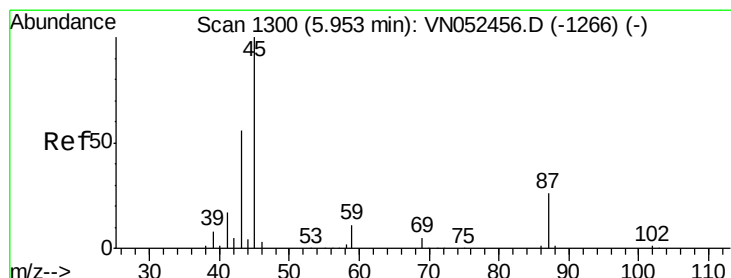
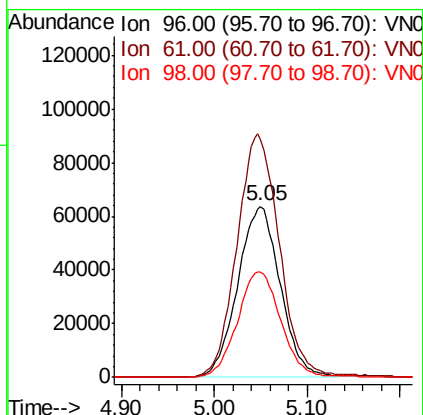
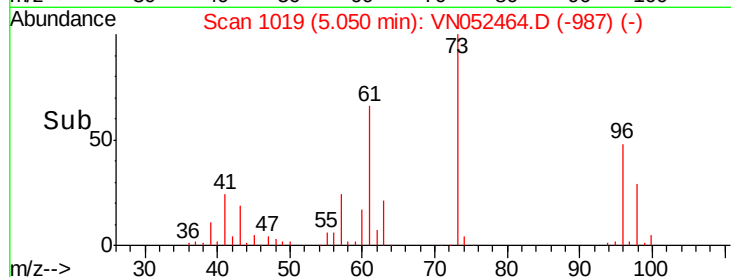
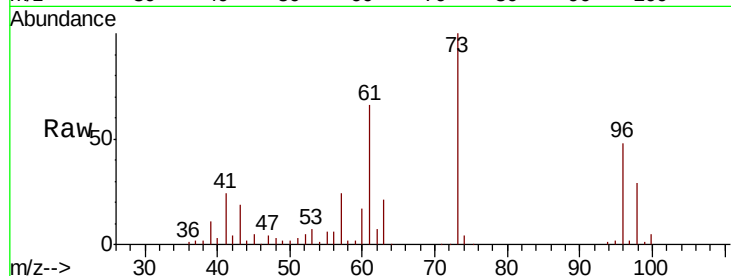




#19
trans-1,2-Dichloroethene
Concen: 19.745 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

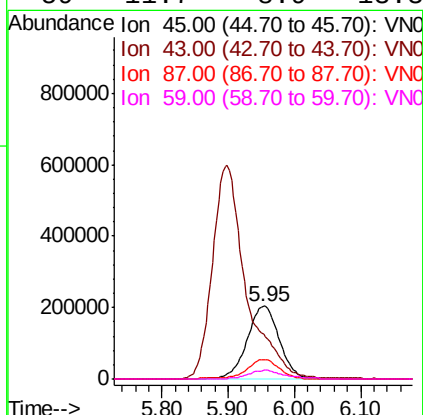
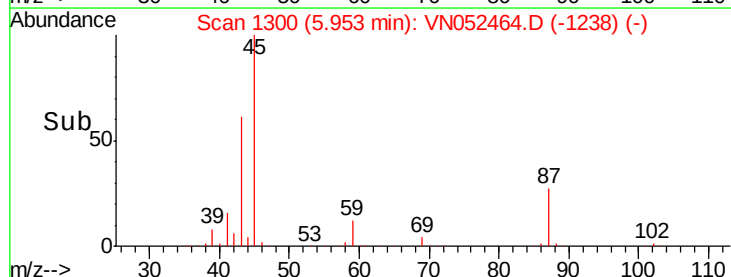
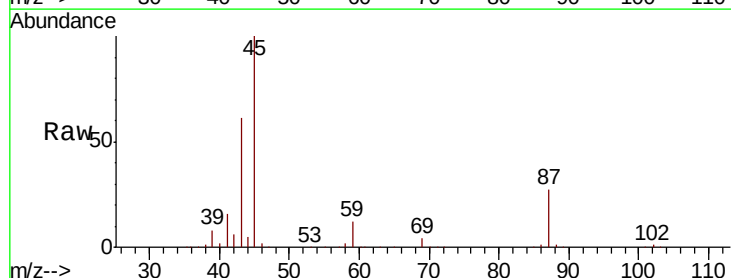
Instrument :
MSVOA_N
ClientSampled :

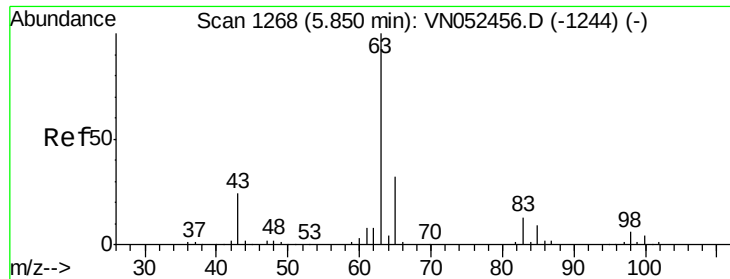
Tot Ion: 96 Resp: 202973
Ion Ratio Lower Upper
96 100
61 139.6 118.2 177.4
98 61.4 51.4 77.2



#20
Diisopropyl ether
Concen: 19.716 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Tgt Ion: 45 Resp: 690240
Ion Ratio Lower Upper
45 100
43 59.8 47.8 71.8
87 26.9 21.3 31.9
59 11.7 8.9 13.3

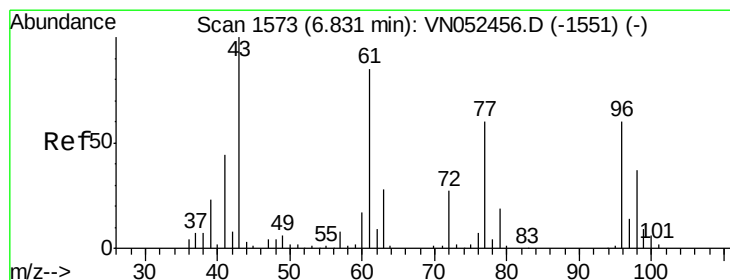
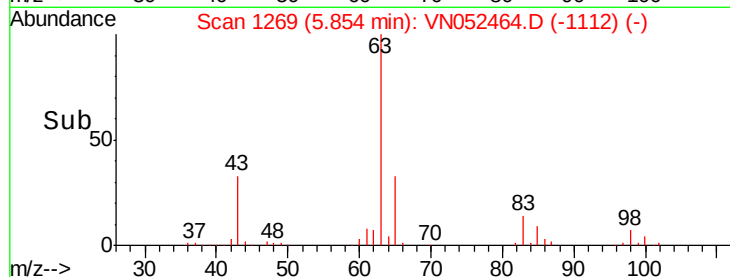
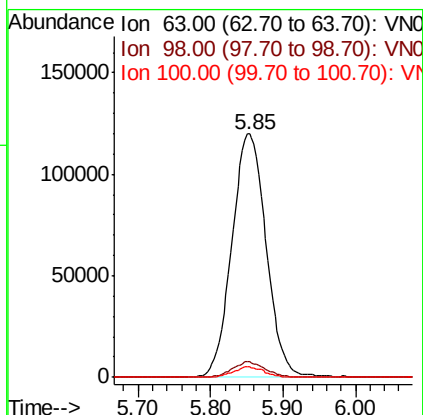
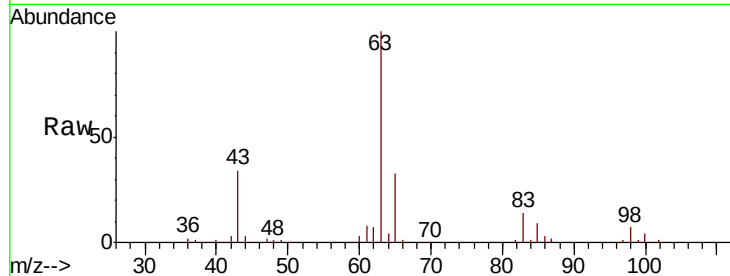




#21
 1,1-Dichloroethane
 Concen: 19.795 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

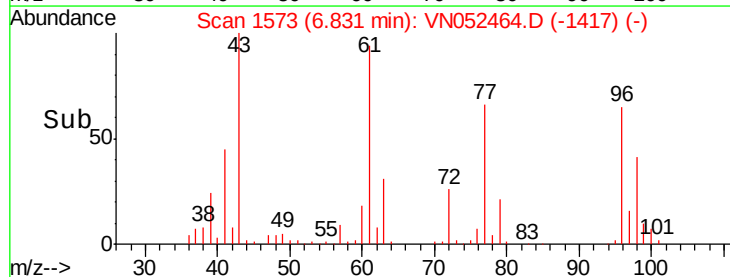
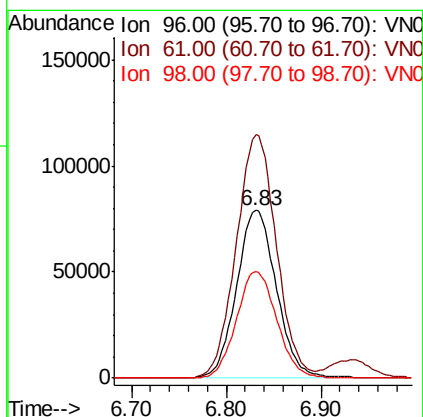
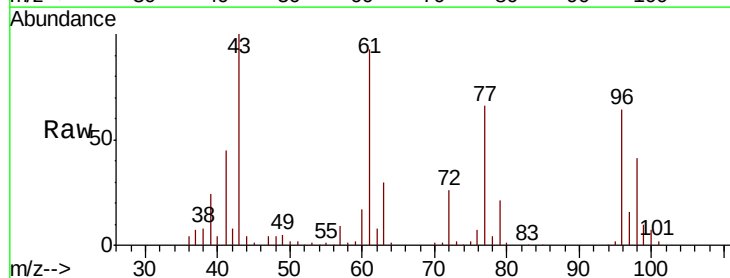
Instrument :
 MSVOA_N
 ClientSampled :

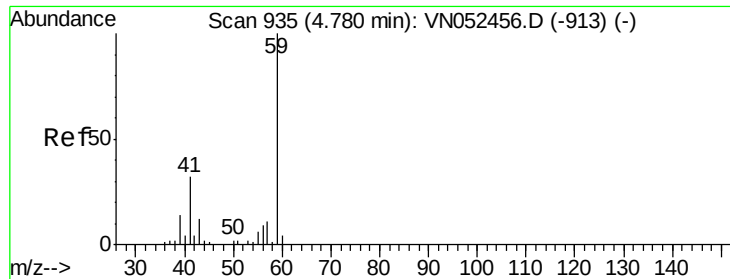
Tot Ion: 63 Resp: 394982
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.0 9.2
 100 4.4 1.8 5.5



#22
 cis-1,2-Dichloroethene
 Concen: 19.617 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

Tgt Ion: 96 Resp: 231118
 Ion Ratio Lower Upper
 96 100
 61 146.2 116.7 175.1
 98 64.6 50.8 76.2

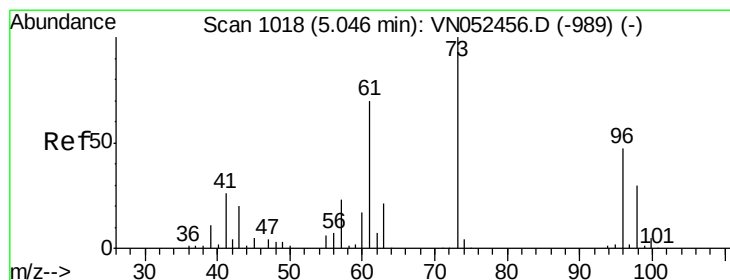
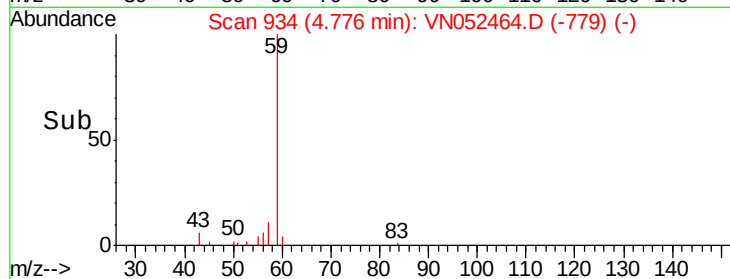
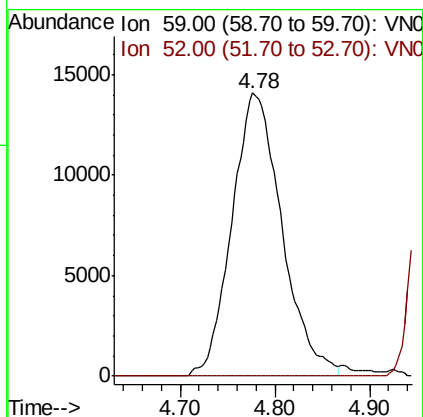
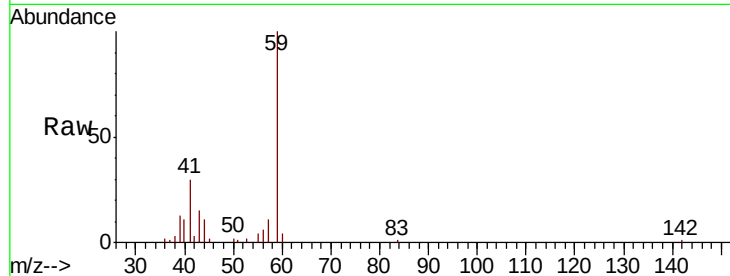




#23
tert-Butyl Alcohol
Concen: 100.532 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

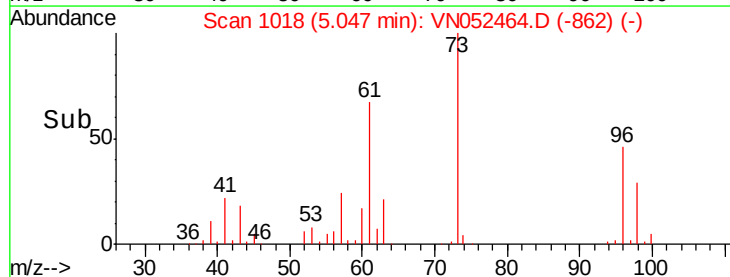
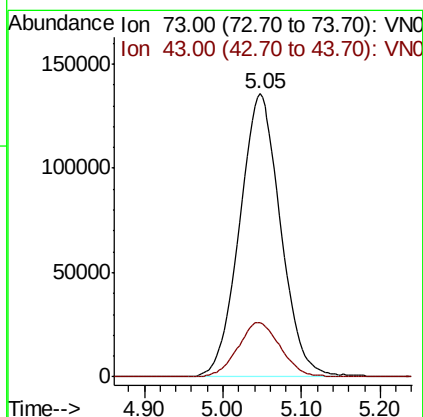
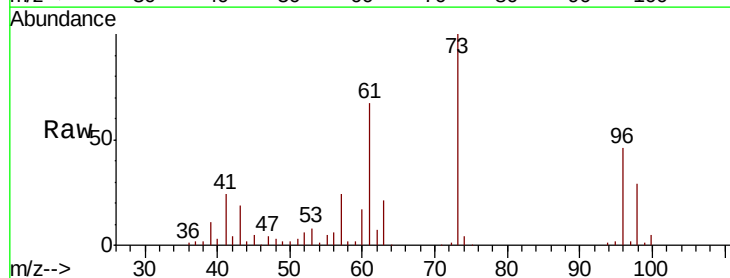
Instrument :
MSVOA_N
ClientSampleId :

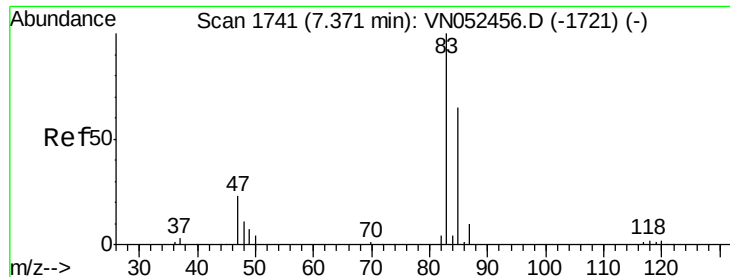
Tot Ion: 59 Resp: 51718
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#24
Methyl tert-Butyl Ether
Concen: 19.806 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Tgt Ion: 73 Resp: 496328
Ion Ratio Lower Upper
73 100
43 19.7 15.8 23.8

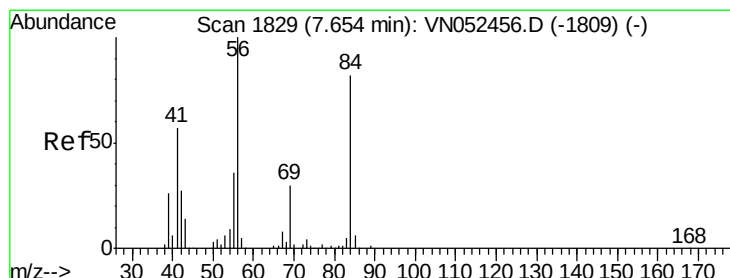
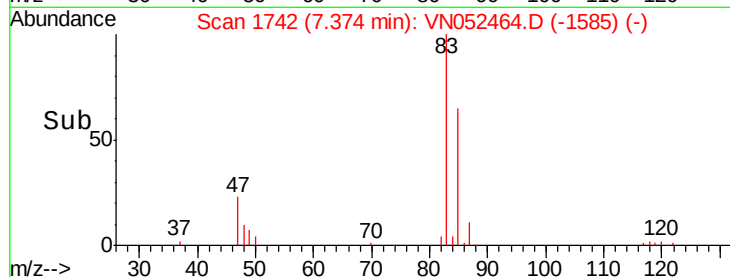
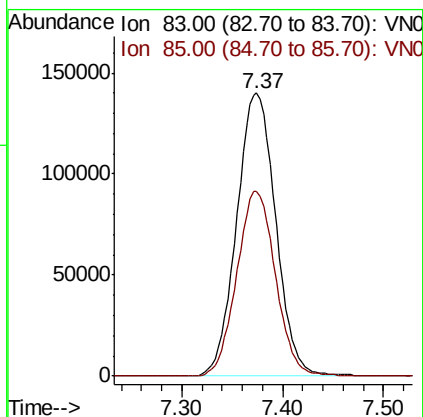
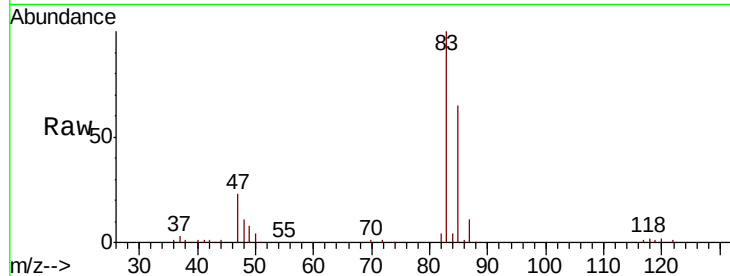




#25
Chloroform
Concen: 19.518 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

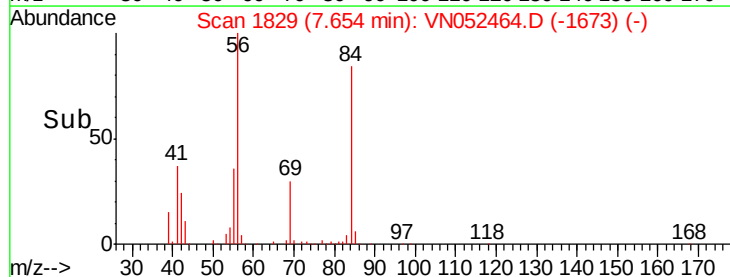
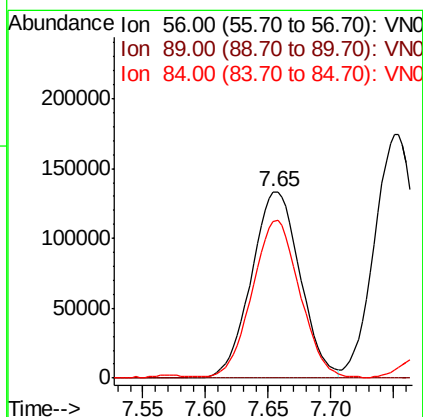
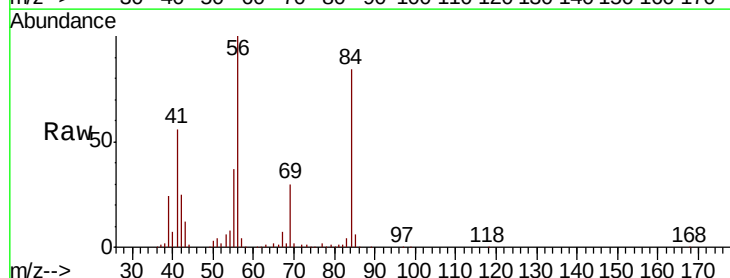
Instrument :
MSVOA_N
ClientSampleId :

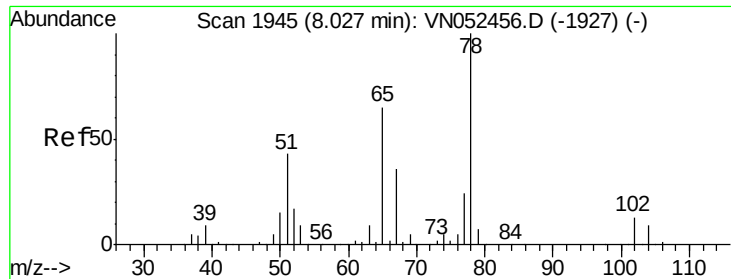
Tot Ion: 83 Resp: 375710
Ion Ratio Lower Upper
83 100
85 65.4 51.7 77.5



#26
Cyclohexane
Concen: 19.183 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Tgt Ion: 56 Resp: 361011
Ion Ratio Lower Upper
56 100
89 0.3 0.5 0.7#
84 83.1 66.2 99.2

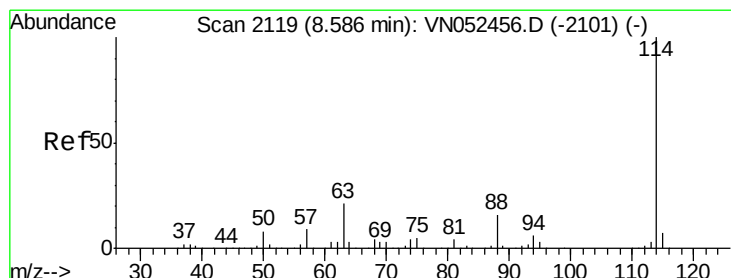
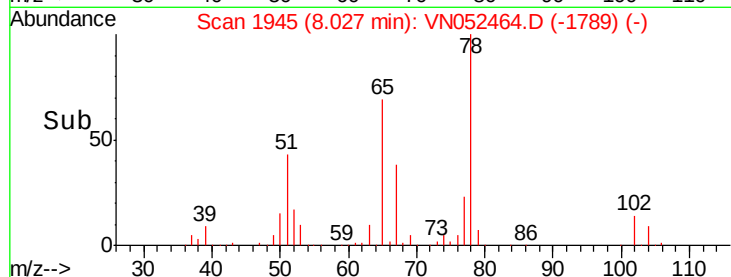
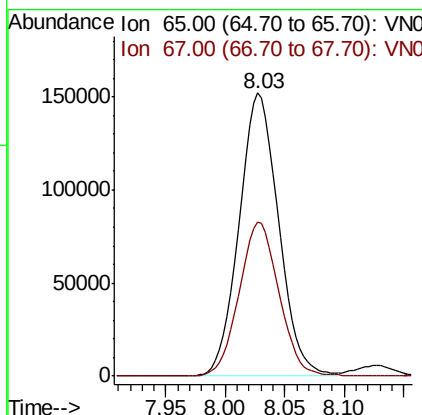
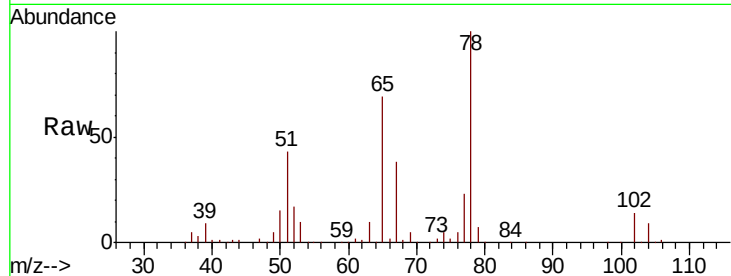




#27
 1,2-Dichloroethane-d4
 Concen: 19.183 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

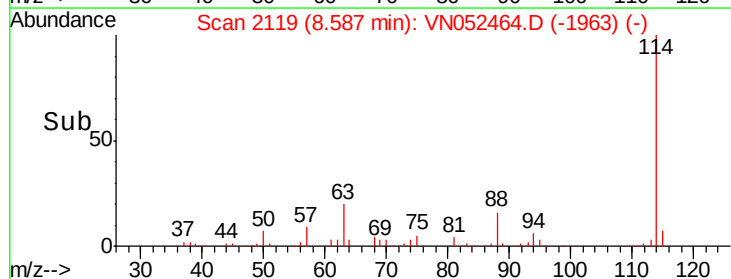
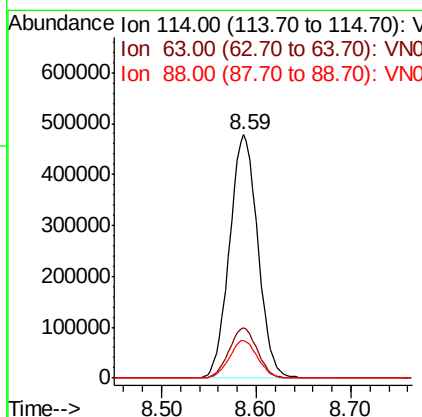
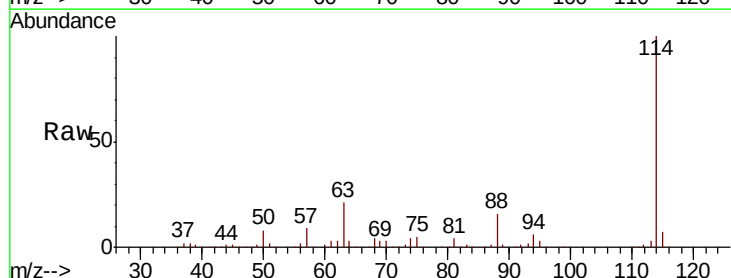
Instrument :
 MSVOA_N
 ClientSampleId :

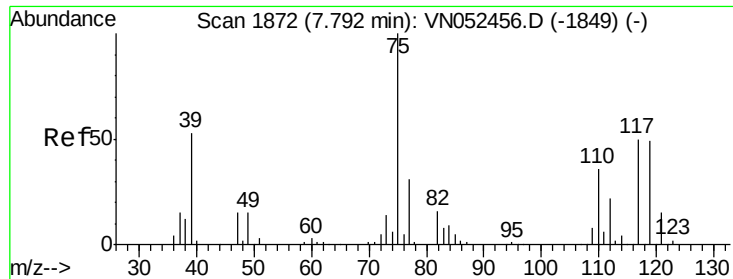
Tot Ion: 65 Resp: 350173
 Ion Ratio Lower Upper
 65 100
 67 54.9 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

Tgt Ion: 114 Resp: 992936
 Ion Ratio Lower Upper
 114 100
 63 20.7 16.9 25.3
 88 15.5 12.8 19.2





#29

1,1-Dichloropropene

Concen: 19.410 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

ClientSampleId :

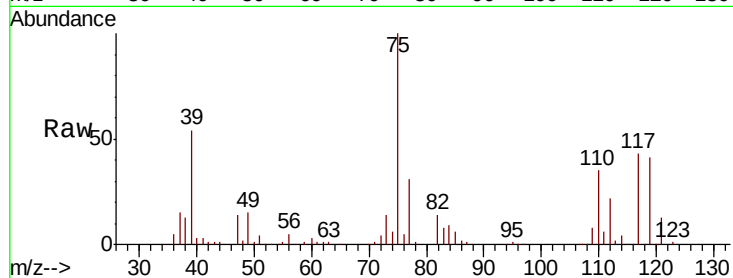
Tot Ion: 75 Resp: 294314

Ion Ratio Lower Upper

75 100

110 34.9 0.0 70.2

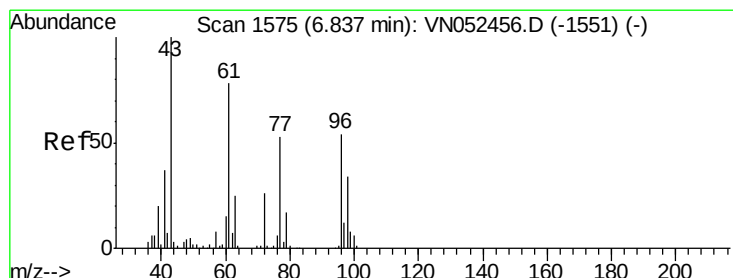
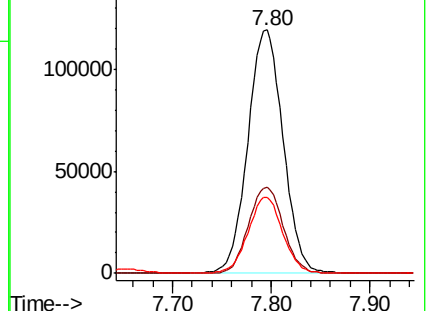
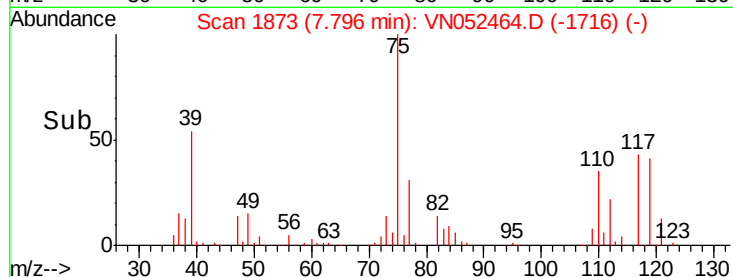
77 30.7 0.0 62.6



Abundance Ion 75.00 (74.70 to 75.70): VN052456.D (-1849) (-)

Ion 110.00 (109.70 to 110.70): VN052456.D (-1849) (-)

Ion 77.00 (76.70 to 77.70): VN052456.D (-1849) (-)



#30

2-Butanone

Concen: 93.906 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

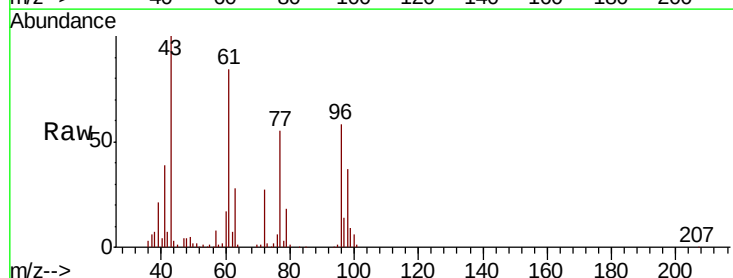
Tgt Ion: 43 Resp: 381015

Ion Ratio Lower Upper

43 100

57 8.2 6.2 9.4

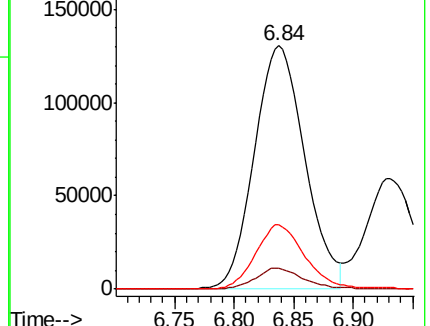
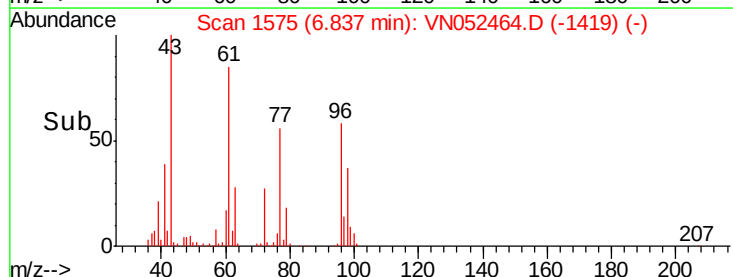
72 26.1 21.0 31.6

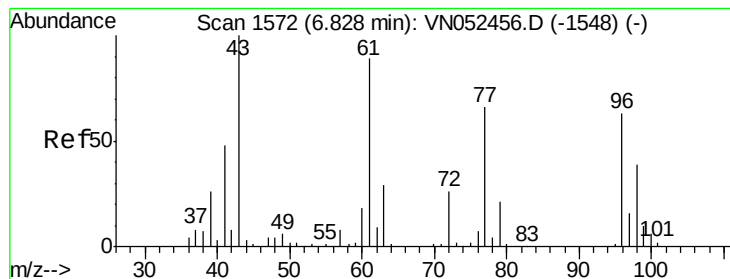


Abundance Ion 43.00 (42.70 to 43.70): VN052456.D (-1551) (-)

Ion 57.00 (56.70 to 57.70): VN052456.D (-1551) (-)

Ion 72.00 (71.70 to 72.70): VN052456.D (-1551) (-)





#31

2,2-Dichloropropane

Concen: 18.708 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

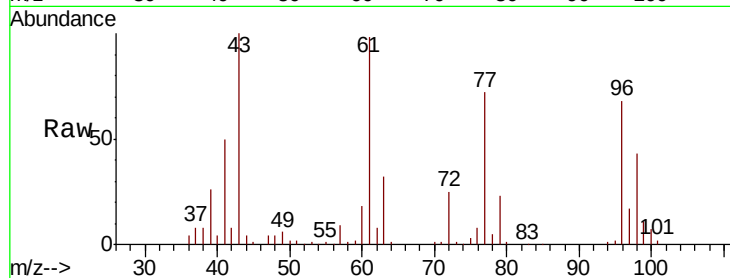
ClientSampled :

Tot Ion: 77 Resp: 261150

Ion Ratio Lower Upper

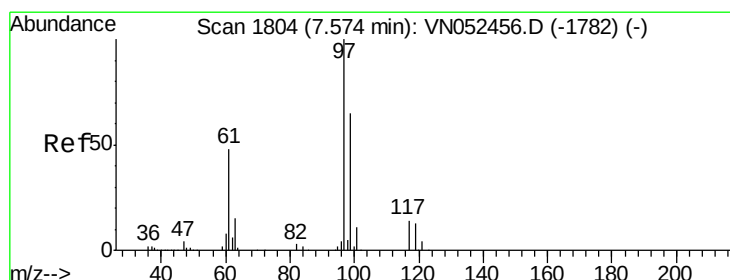
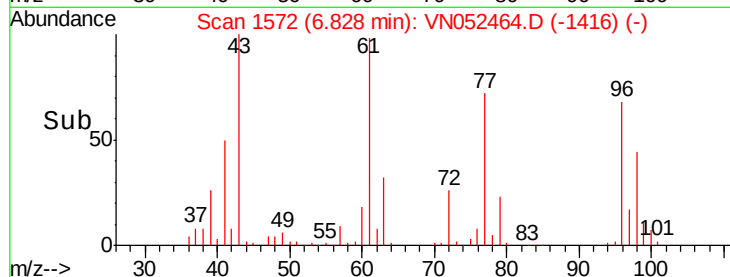
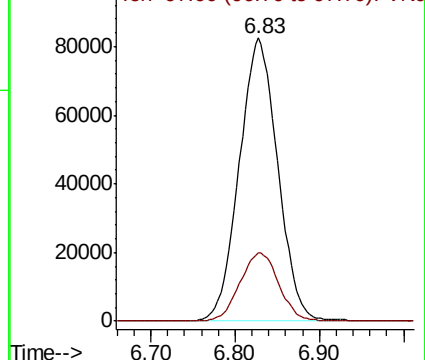
77 100

97 24.3 18.7 28.1



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.528 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

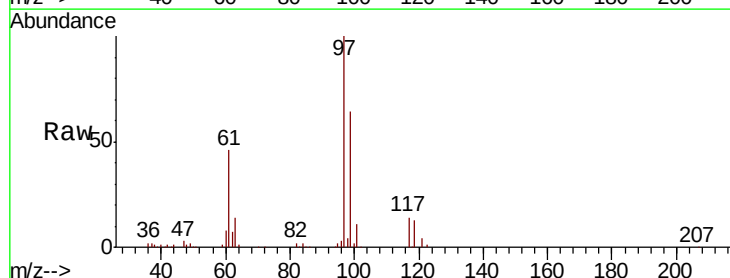
Tgt Ion: 97 Resp: 308107

Ion Ratio Lower Upper

97 100

99 64.1 50.9 76.3

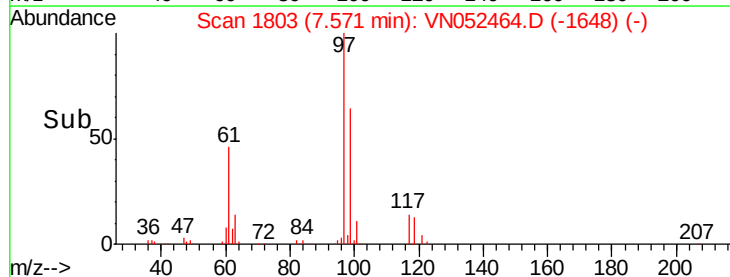
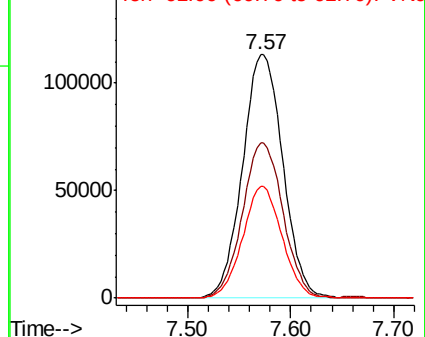
61 44.9 38.1 57.1

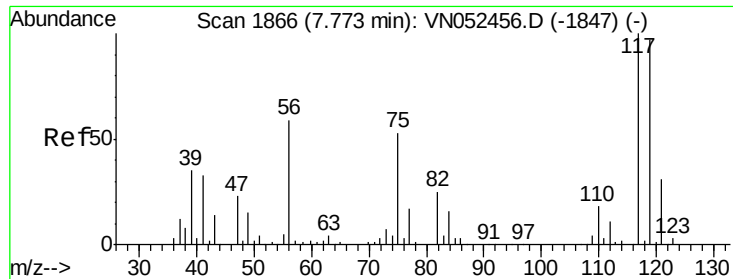


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#33

Carbon Tetrachloride

Concen: 19.109 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

ClientSampled :

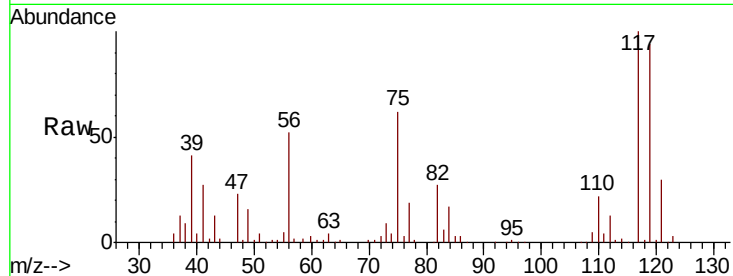
Tot Ion:117 Resp: 263803

Ion Ratio Lower Upper

117 100

119 94.3 77.3 115.9

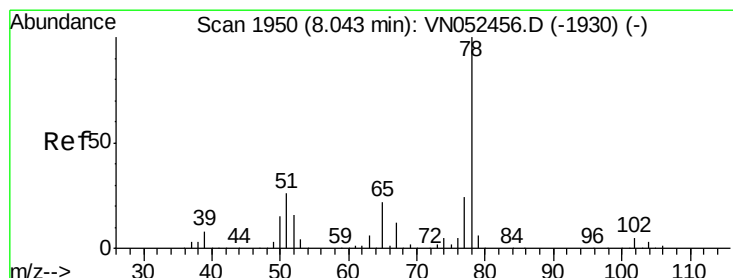
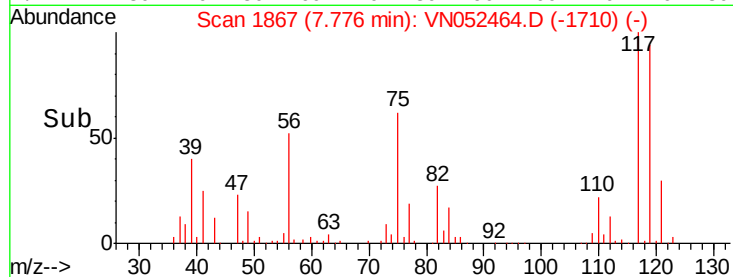
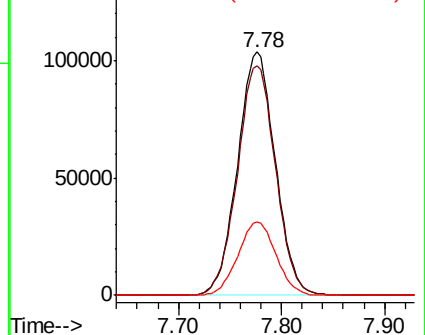
121 30.4 24.9 37.3



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: 19.420 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

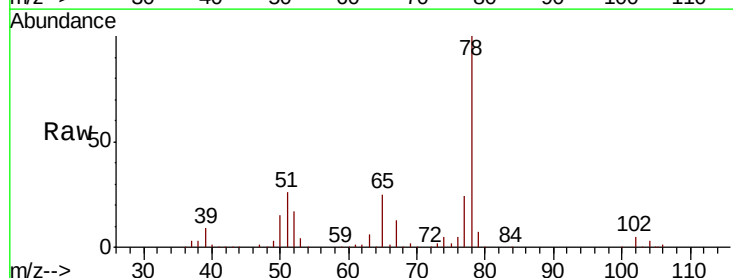
Tgt Ion: 78 Resp: 885347

Ion Ratio Lower Upper

78 100

77 24.1 19.0 28.6

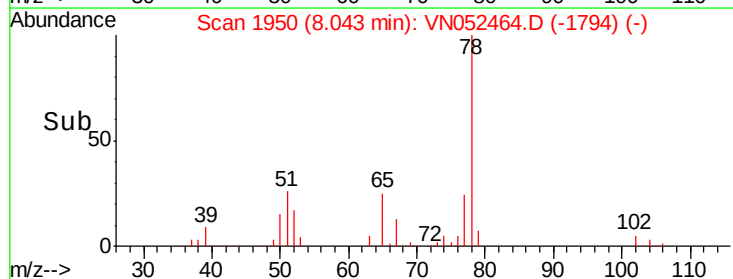
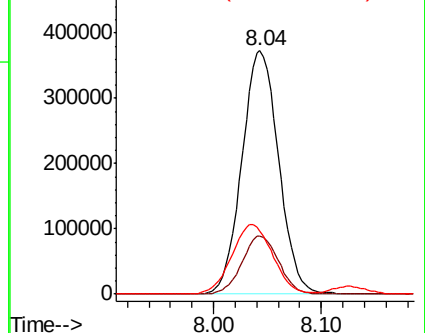
51 25.9 20.5 30.7

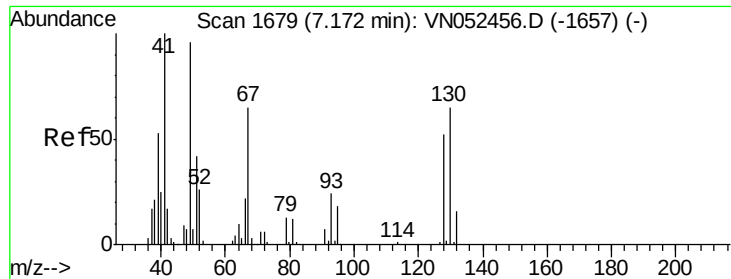


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

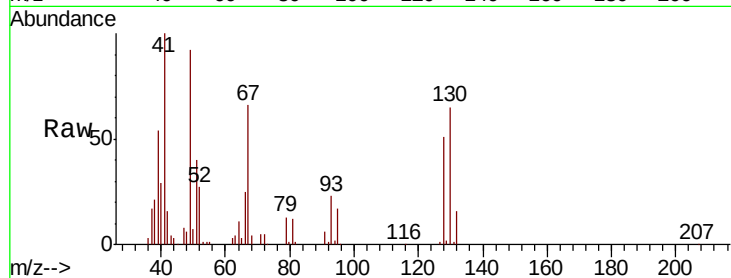




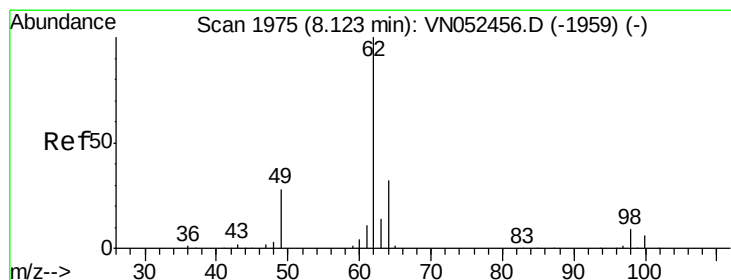
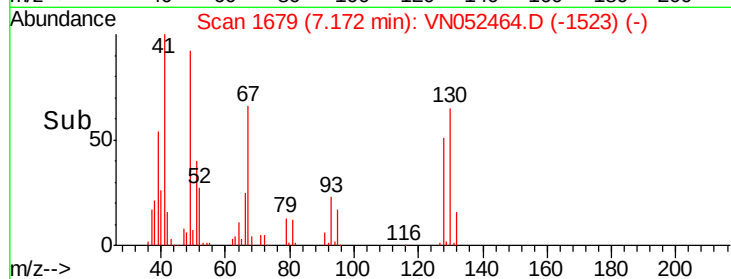
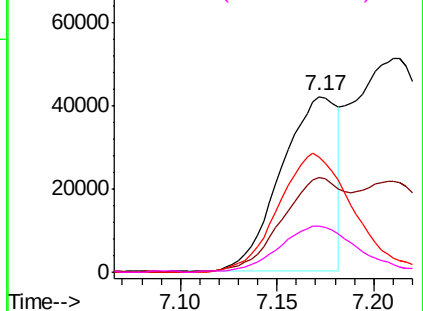
#35
Methacrylonitrile
Concen: 16.830 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 84724
Ion Ratio Lower Upper
41 100
39 54.1 26.6 79.7
67 66.0 32.3 96.9
52 26.6 13.0 38.9

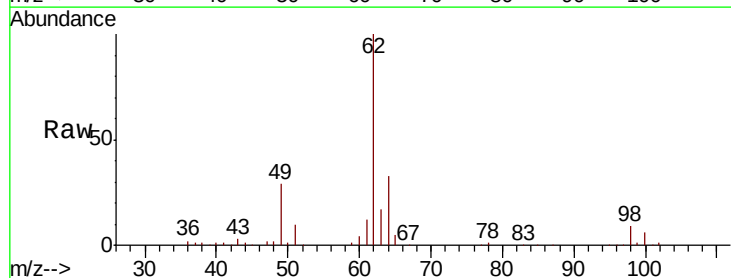


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

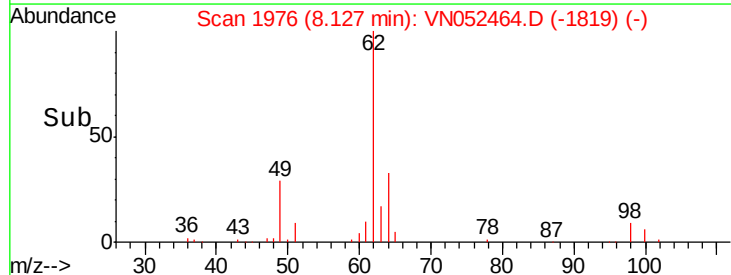
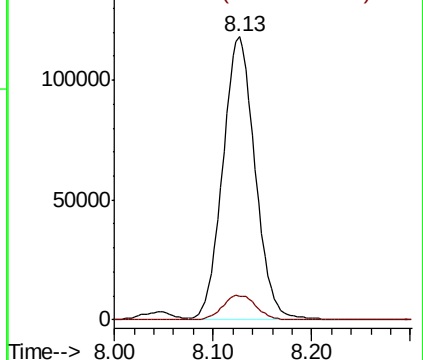


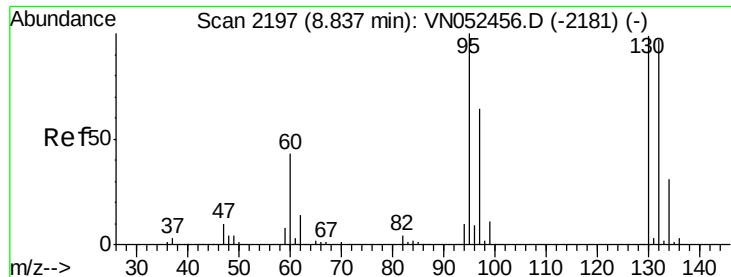
#36
1,2-Dichloroethane
Concen: 19.522 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Tgt Ion: 62 Resp: 269696
Ion Ratio Lower Upper
62 100
98 9.1 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

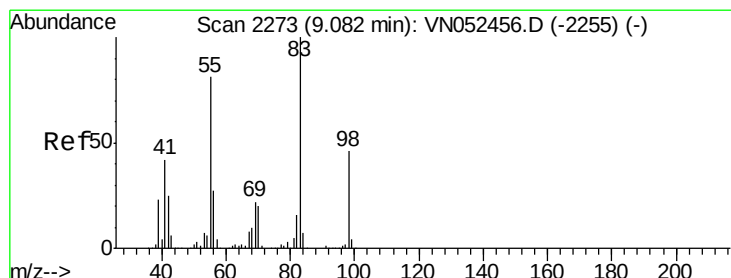
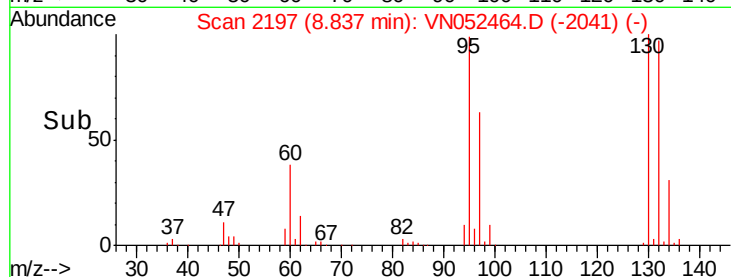
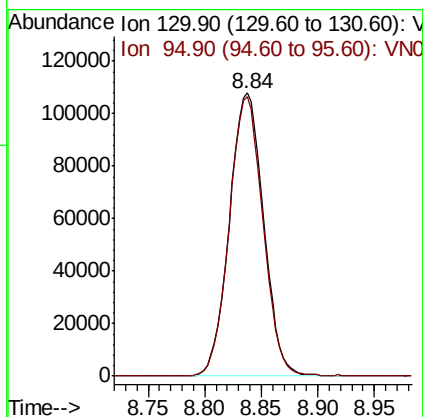
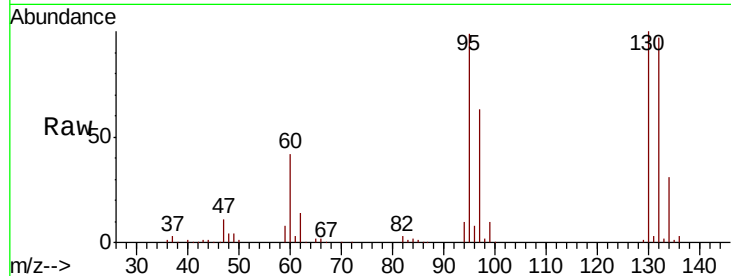




#37
 Trichloroethene
 Concen: 19.652 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

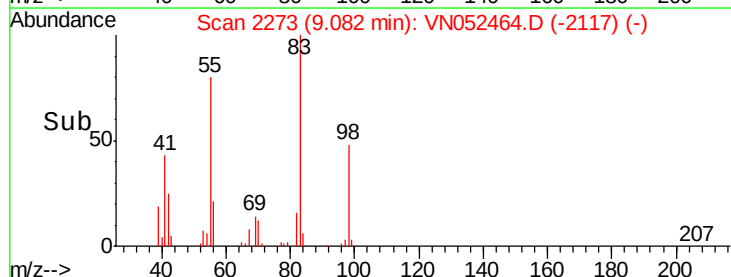
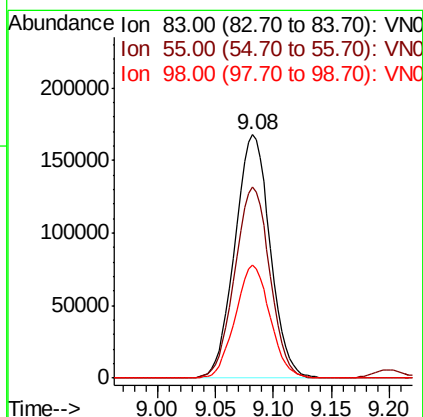
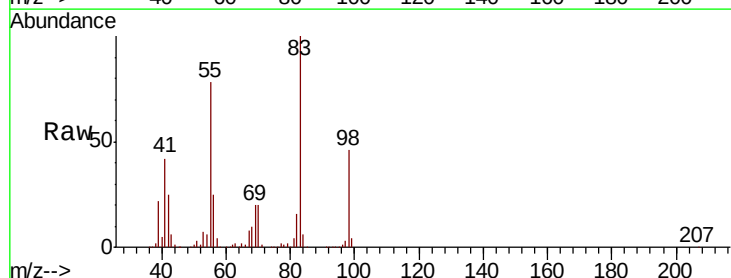
Instrument :
 MSVOA_N
 ClientSampleId :

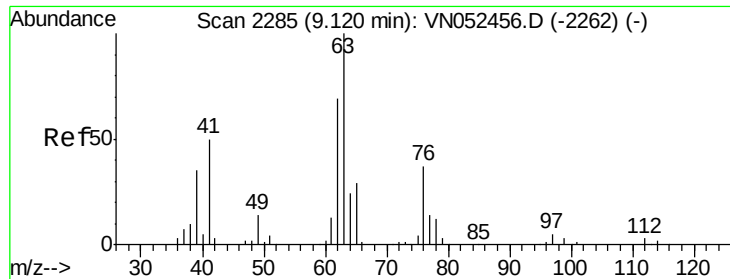
Tot Ion:130 Resp: 227186
 Ion Ratio Lower Upper
 130 100
 95 98.7 81.0 121.4



#38
 Methylcyclohexane
 Concen: 18.864 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

Tgt Ion: 83 Resp: 354094
 Ion Ratio Lower Upper
 83 100
 55 78.2 39.8 119.4
 98 45.7 22.9 68.5

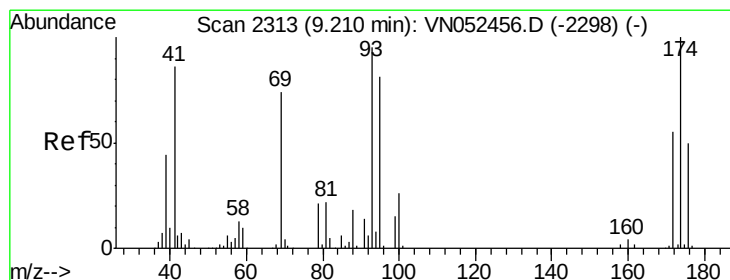
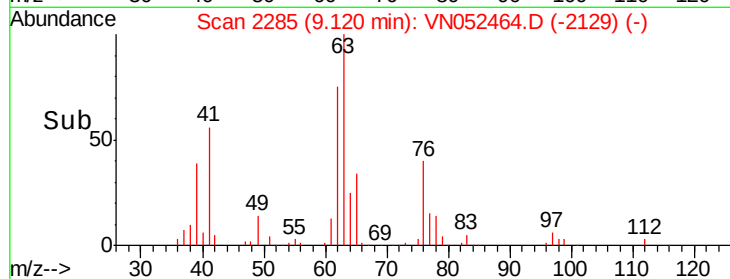
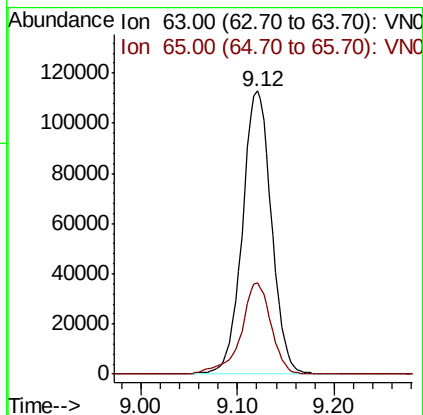
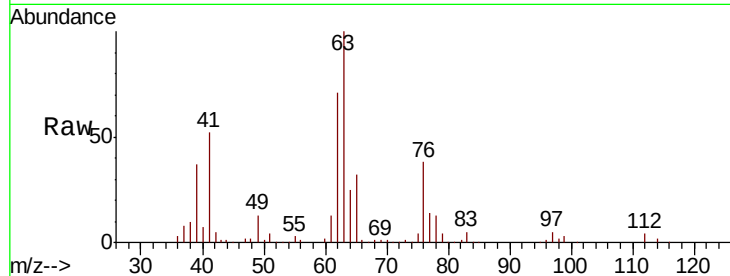




#39
 1,2-Dichloropropane
 Concen: 19.261 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

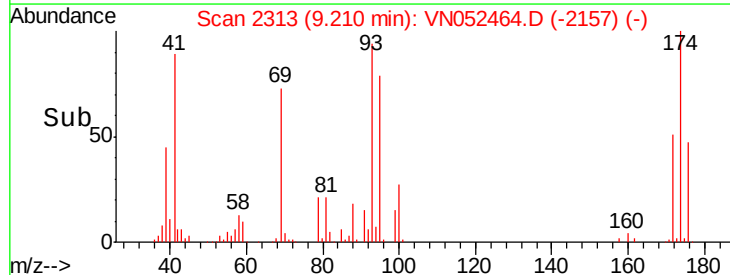
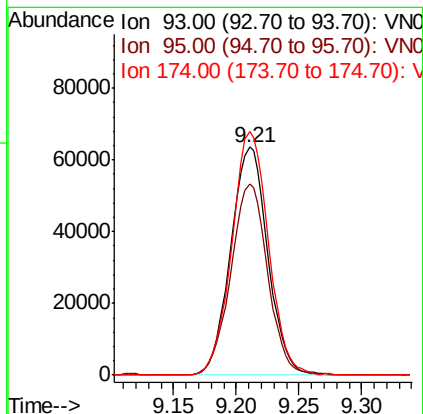
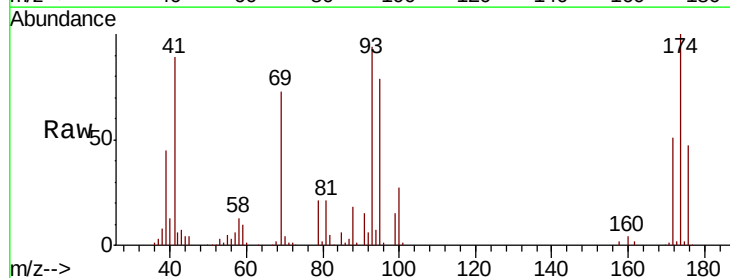
Instrument :
 MSVOA_N
 ClientSampleId :

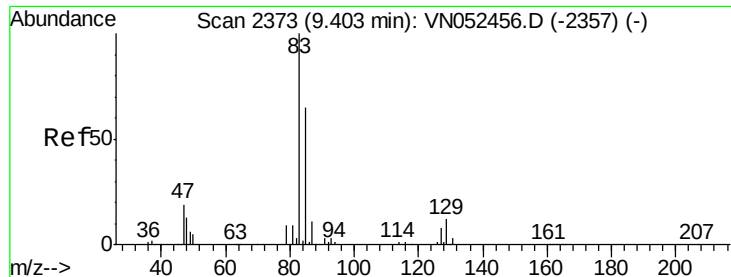
Tot Ion: 63 Resp: 235370
 Ion Ratio Lower Upper
 63 100
 65 32.1 23.6 35.4



#40
 Dibromomethane
 Concen: 19.839 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

Tgt Ion: 93 Resp: 131012
 Ion Ratio Lower Upper
 93 100
 95 83.1 0.0 168.4
 174 105.2 0.0 210.0





#41

Bromodichloromethane

Concen: 19.138 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

ClientSampled :

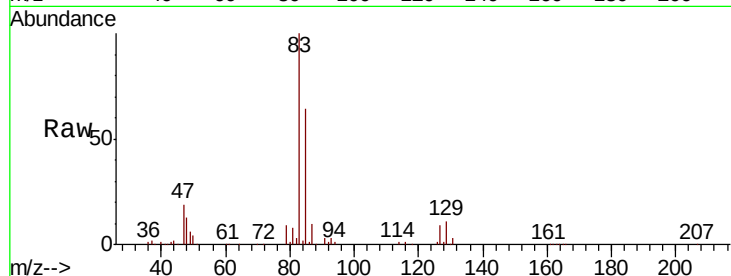
Tot Ion: 83 Resp: 279227

Ion Ratio Lower Upper

83 100

85 63.7 52.4 78.6

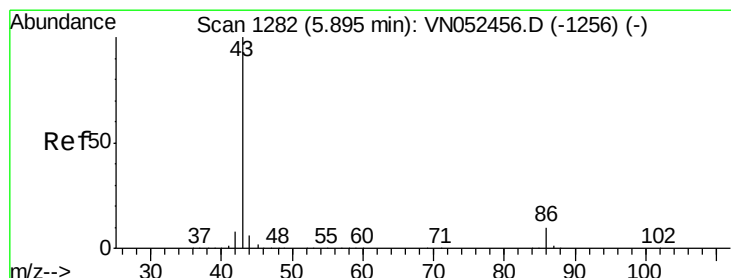
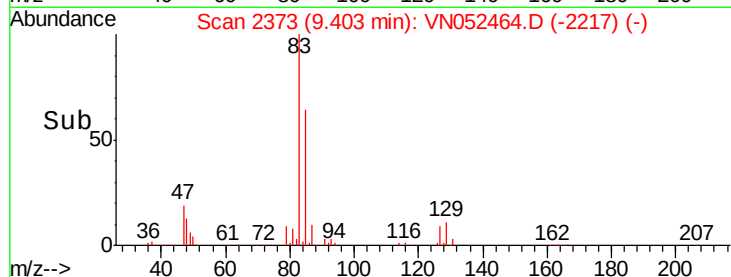
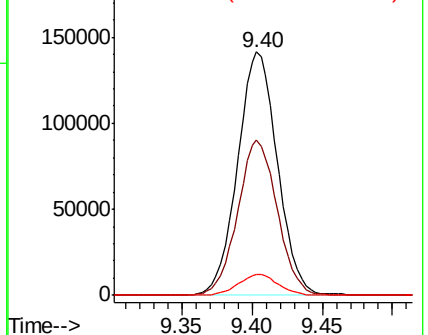
127 8.7 6.6 9.8



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): VN0



#42

Vinyl Acetate

Concen: 96.551 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052464.D

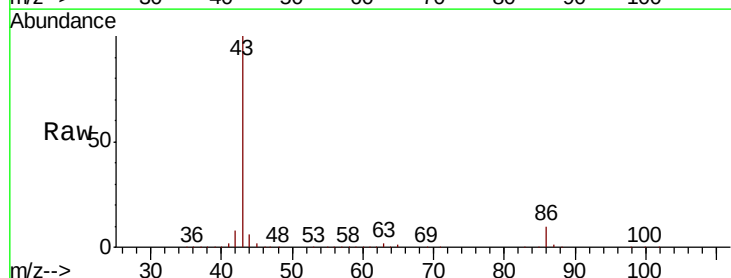
Acq: 26 Nov 2018 17:38

Tgt Ion: 43 Resp: 2119605

Ion Ratio Lower Upper

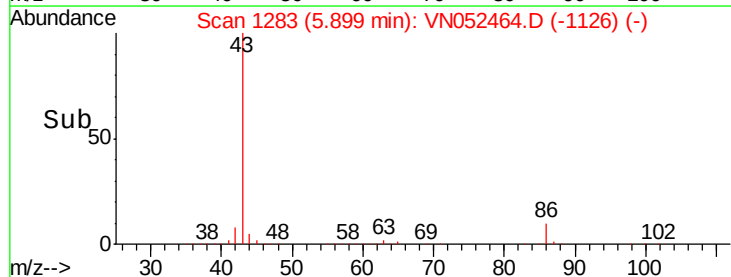
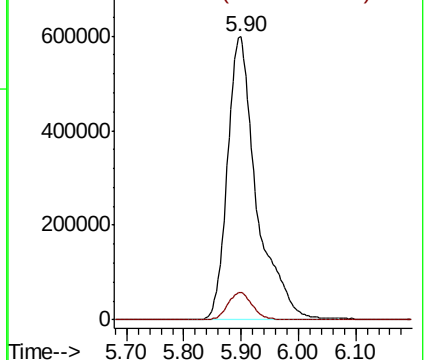
43 100

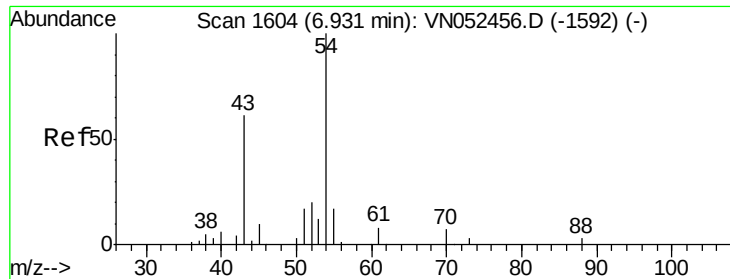
86 8.4 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 19.103 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

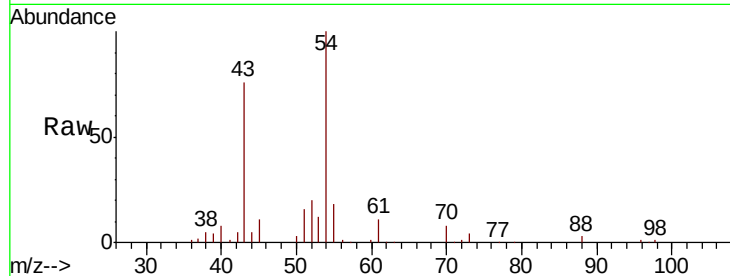
ClientSampled :

Tot Ion: 43 Resp: 164813

Ion Ratio Lower Upper

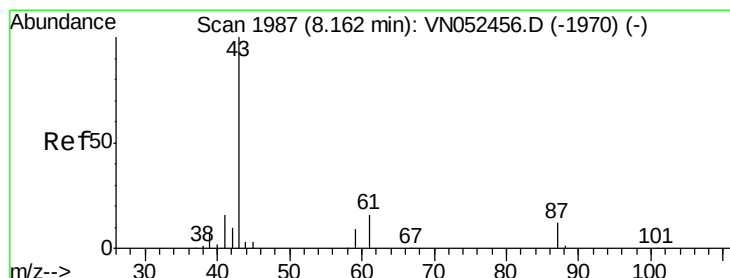
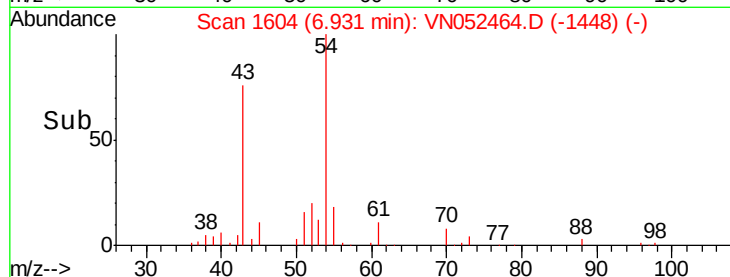
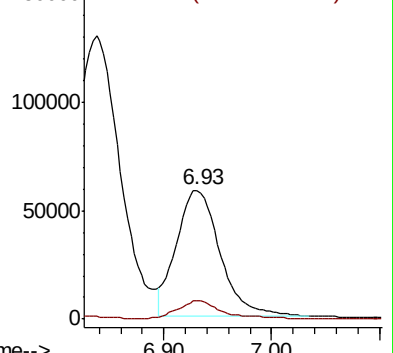
43 100

45 13.2 1.0 1.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 19.774 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052464.D

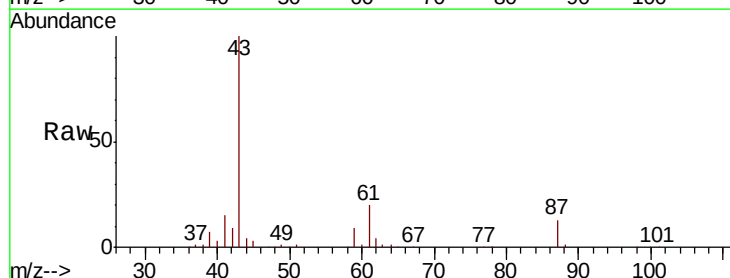
Acq: 26 Nov 2018 17:38

Tgt Ion: 43 Resp: 299203

Ion Ratio Lower Upper

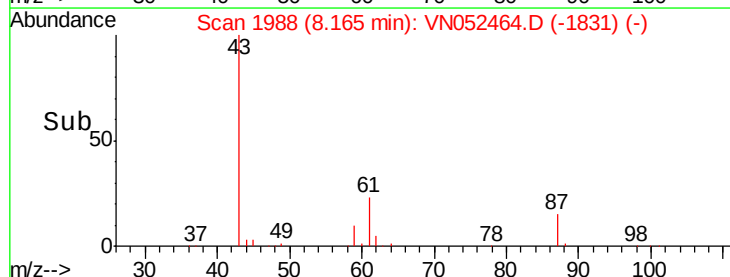
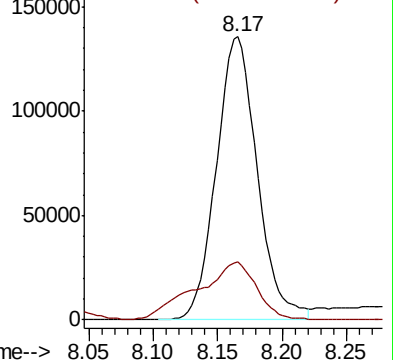
43 100

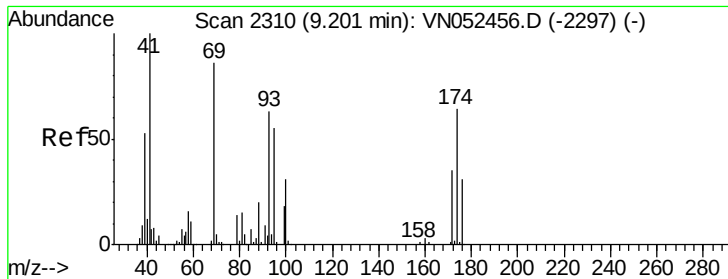
61 29.6 16.0 24.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

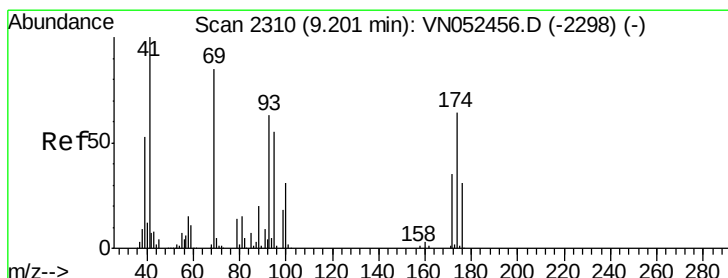
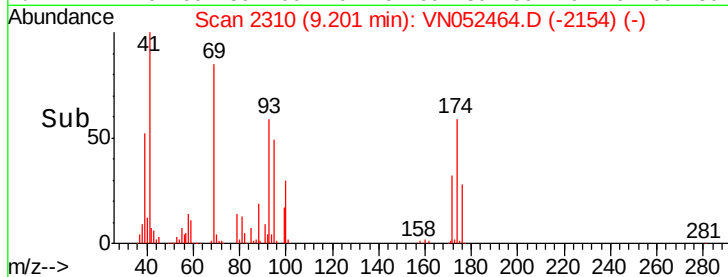
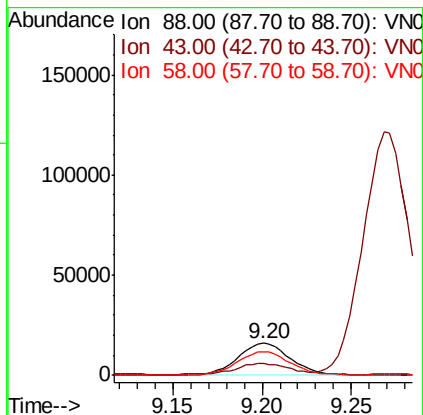
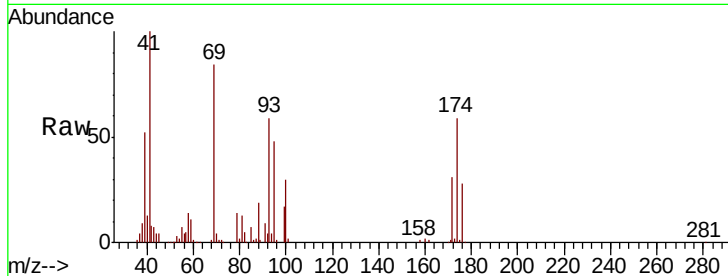




#45
 1,4-Dioxane
 Concen: 392.050 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

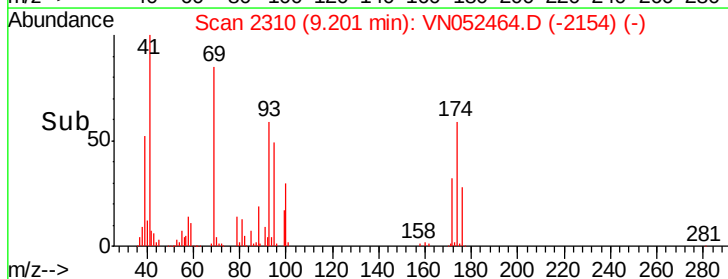
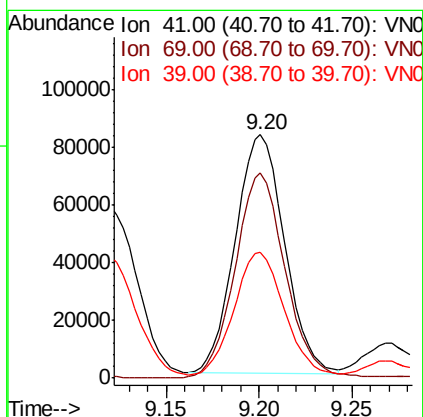
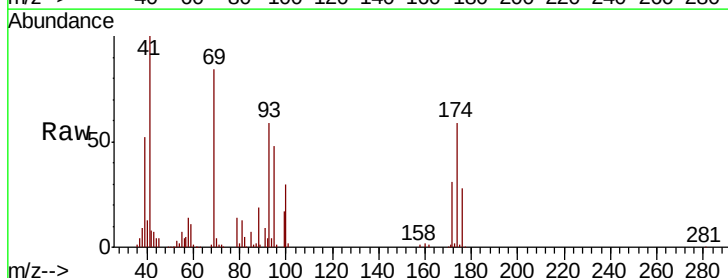
Instrument :
 MSVOA_N
 ClientSampled :

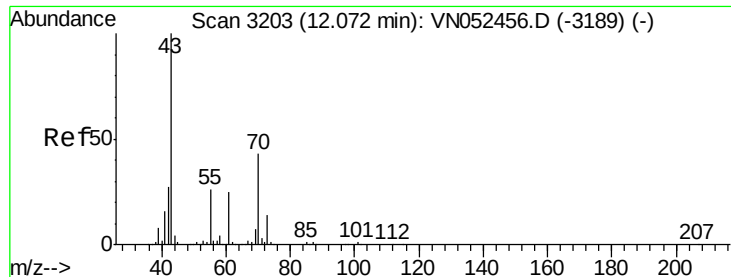
Tot Ion: 88 Resp: 32453
 Ion Ratio Lower Upper
 88 100
 43 34.8 29.5 44.3
 58 77.1 61.5 92.3



#46
 Methyl methacrylate
 Concen: 19.523 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

Tgt Ion: 41 Resp: 153380
 Ion Ratio Lower Upper
 41 100
 69 85.7 42.5 127.6
 39 51.3 26.3 78.9





#47

n-amvl Acetate

Concen: 18.872 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

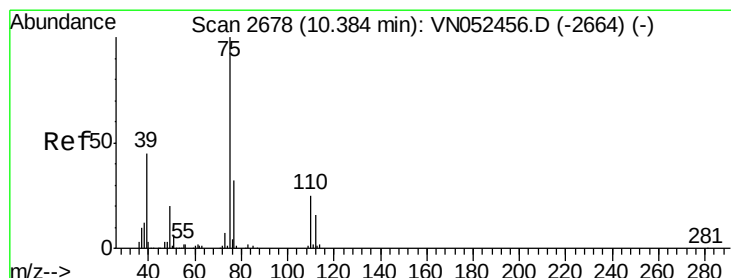
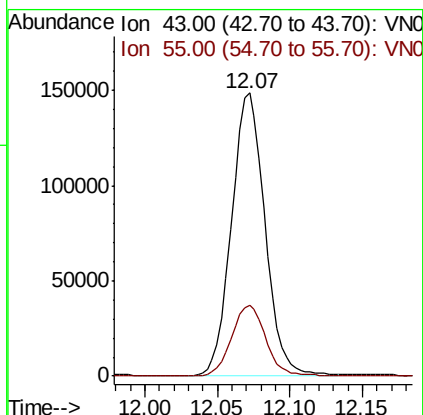
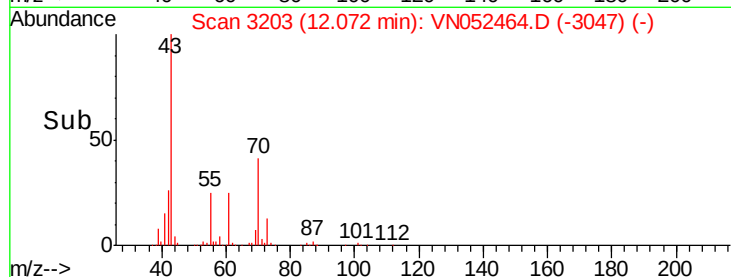
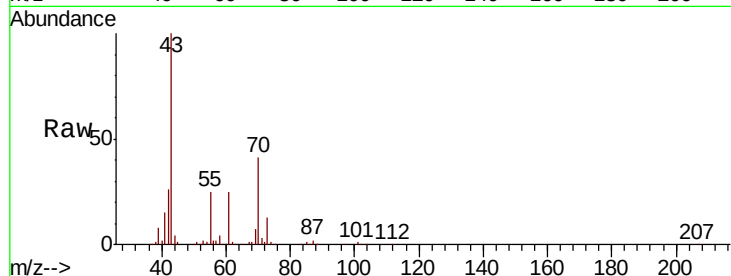
ClientSampleId :

Tot Ion: 43 Resp: 236764

Ion Ratio Lower Upper

43 100

55 25.8 21.1 31.7



#48

t-1,3-Dichloropropene

Concen: 18.845 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052464.D

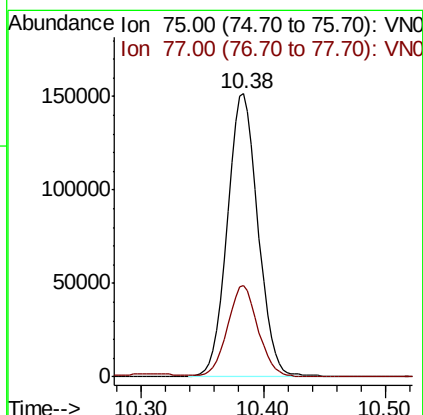
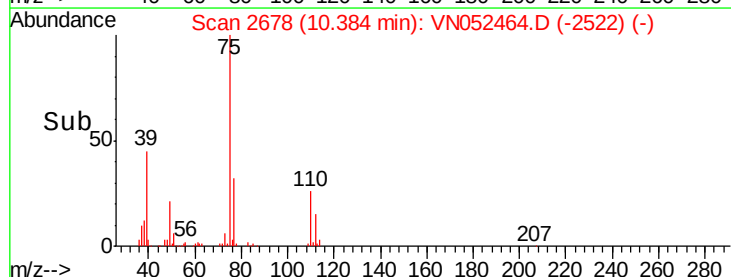
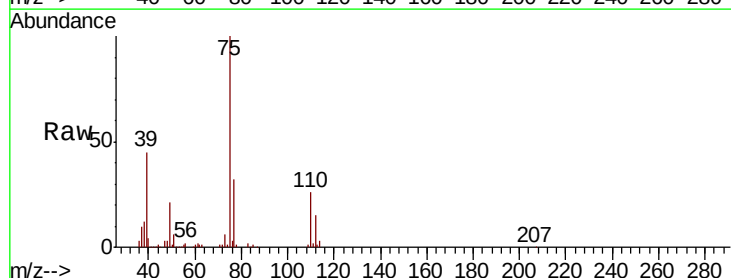
Acq: 26 Nov 2018 17:38

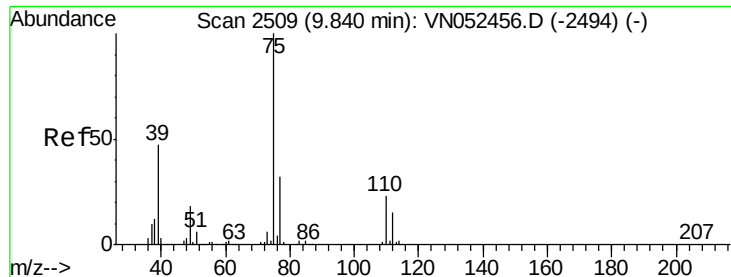
Tgt Ion: 75 Resp: 266592

Ion Ratio Lower Upper

75 100

77 32.2 25.6 38.4



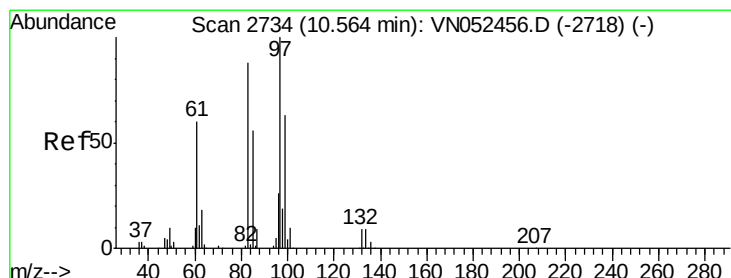
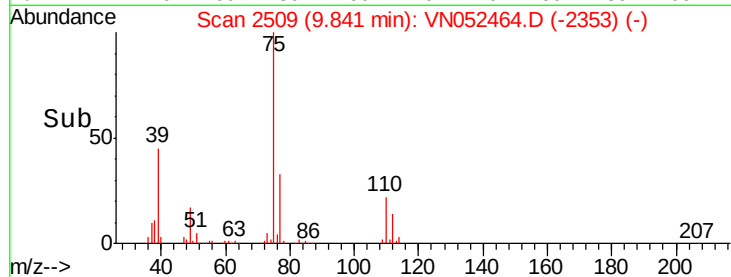
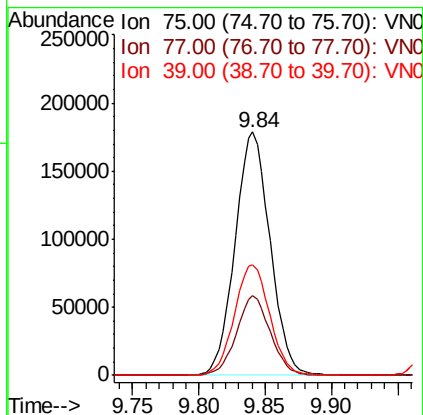
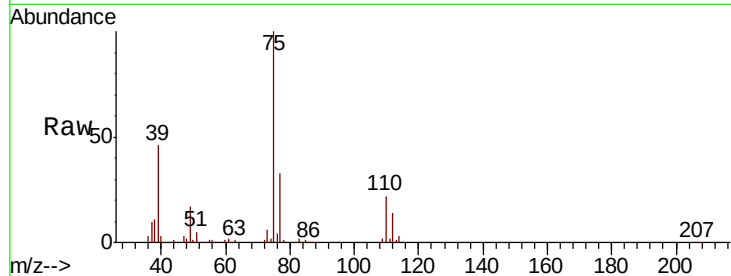


#49

cis-1,3-Dichloropropene
 Concen: 19.040 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

Instrument :
 MSVOA_N
 ClientSampled :

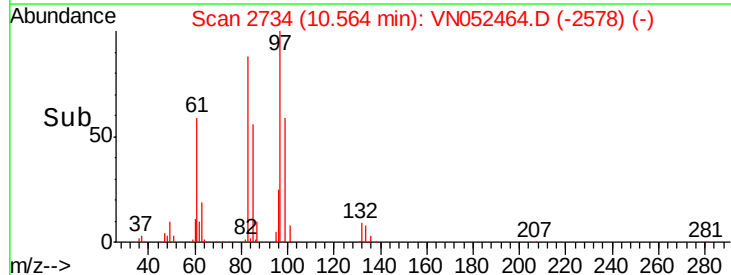
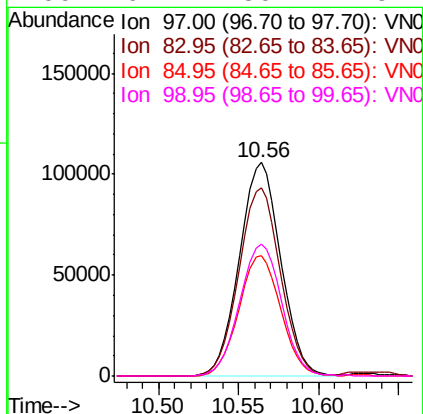
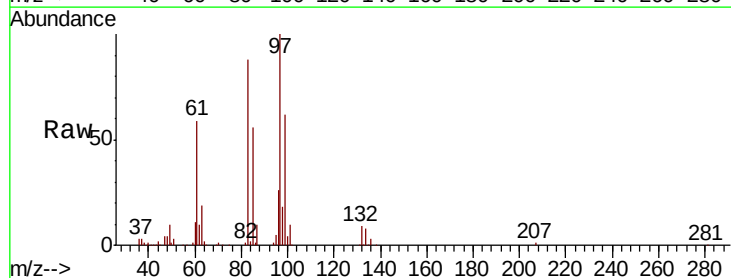
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.4	38.0
39	45.5	37.3	55.9

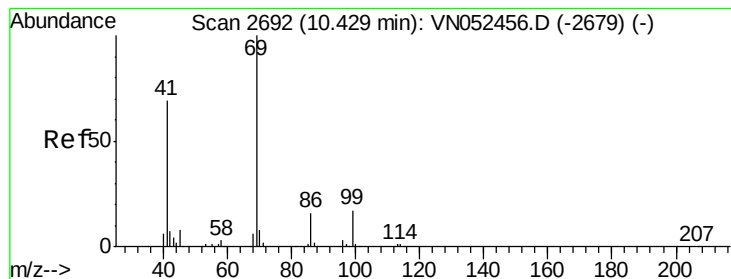


#50

1,1,2-Trichloroethane
 Concen: 19.996 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.0	70.4	105.6
85	56.2	45.0	67.6
99	61.7	50.2	75.2





#51

Ethyl methacrylate

Concen: 19.379 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

ClientSampleId :

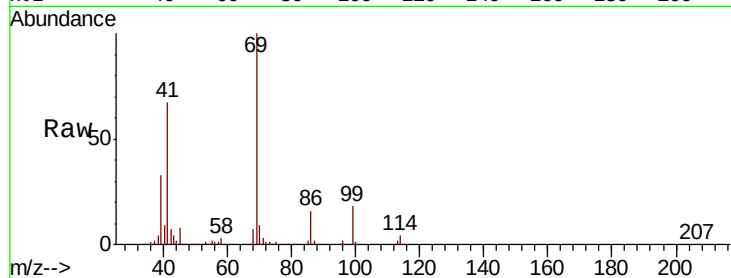
Tot Ion: 69 Resp: 227839

Ion	Ratio	Lower	Upper
69	100		
41	66.8	34.4	103.3
39	32.6	16.4	49.2

69 100

41 66.8 34.4 103.3

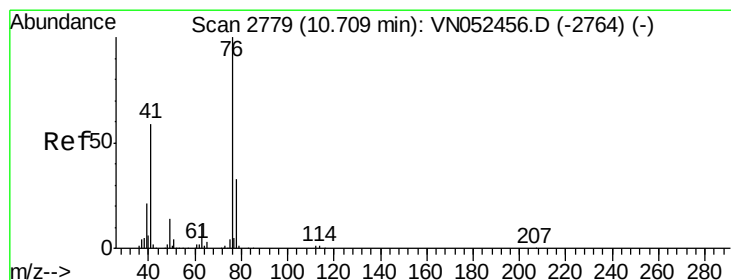
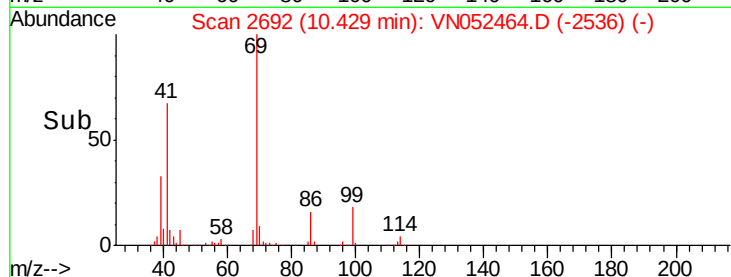
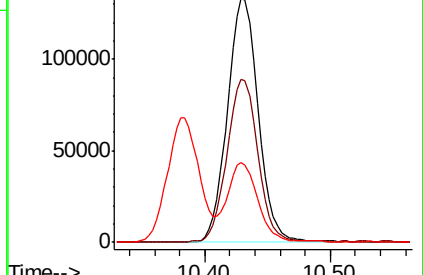
39 32.6 16.4 49.2



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 19.508 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052464.D

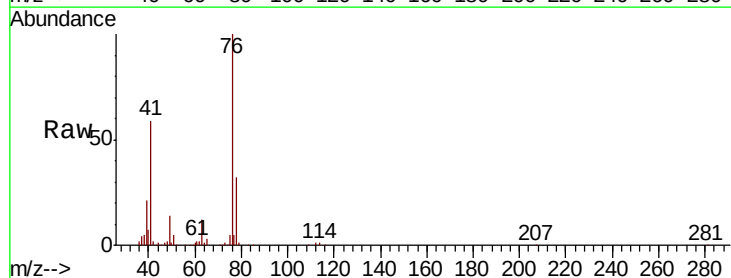
Acq: 26 Nov 2018 17:38

Tgt Ion: 76 Resp: 325041

Ion	Ratio	Lower	Upper
76	100		
78	31.4	0.0	64.8

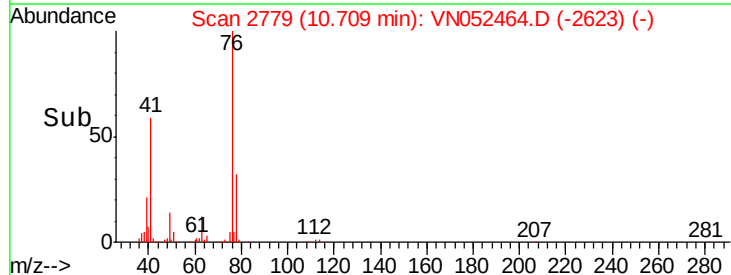
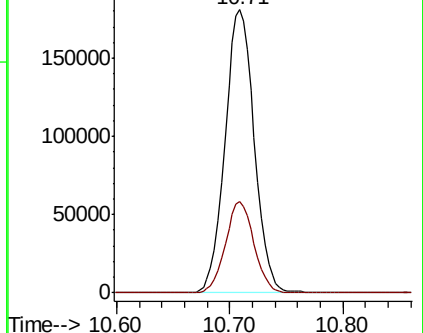
76 100

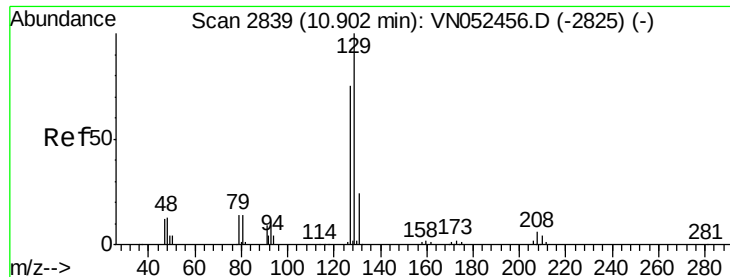
78 31.4 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 19.169 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

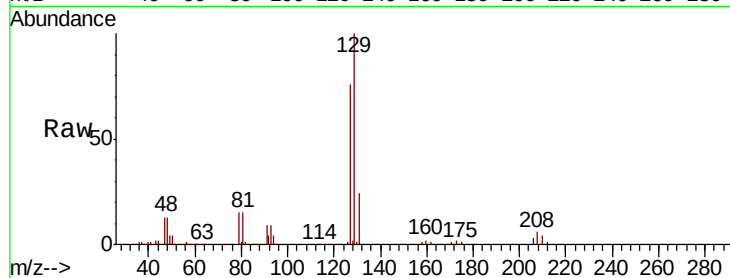
ClientSampleId :

Tot Ion:129 Resp: 197550

Ion Ratio Lower Upper

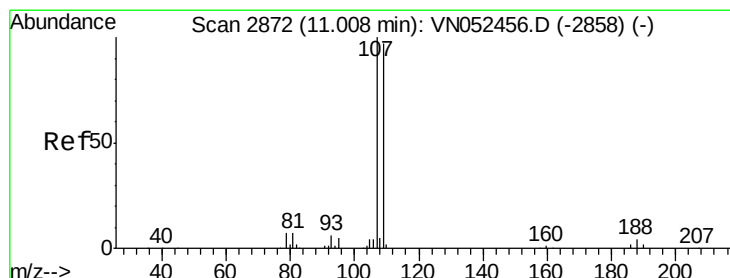
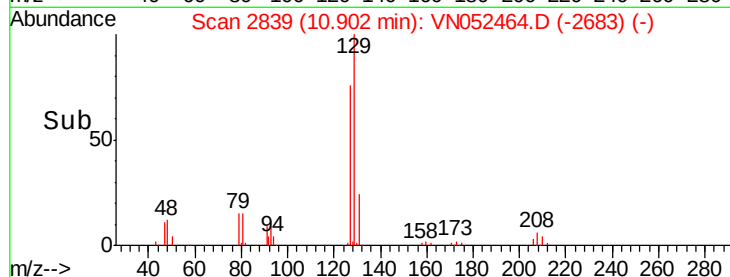
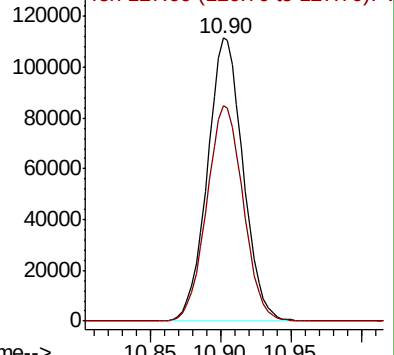
129 100

127 77.8 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.919 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052464.D

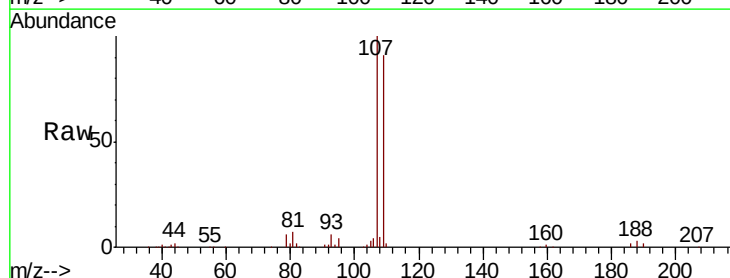
Acq: 26 Nov 2018 17:38

Tgt Ion:107 Resp: 182201

Ion Ratio Lower Upper

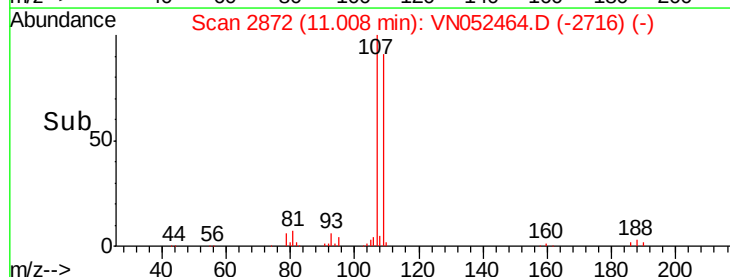
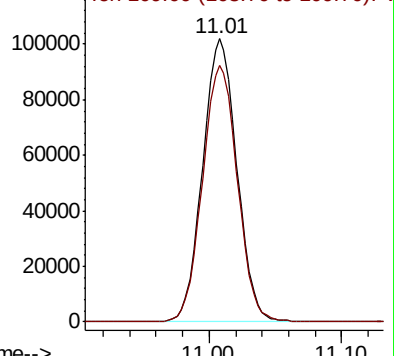
107 100

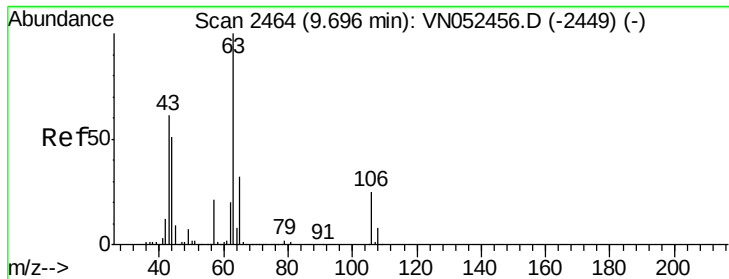
109 92.6 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



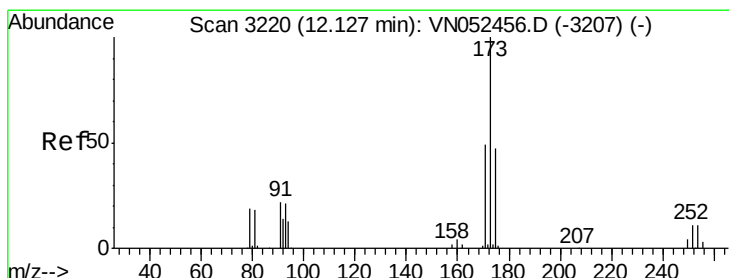
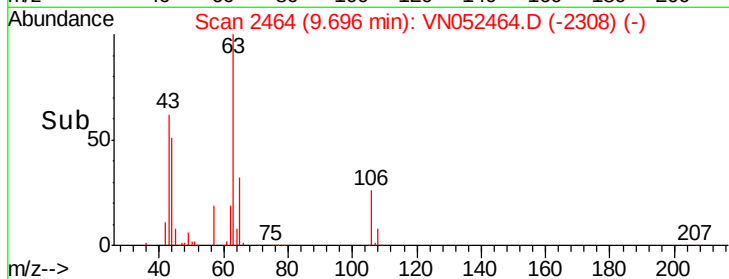
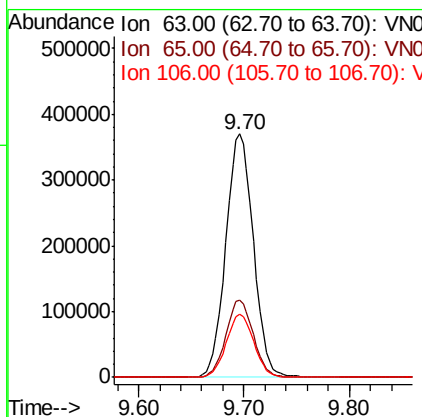
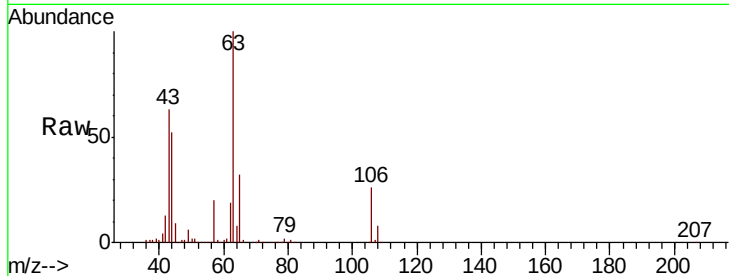


#55
 2-Chloroethyl vinyl ether
 Concen: 97.179 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 63 Resp: 668769

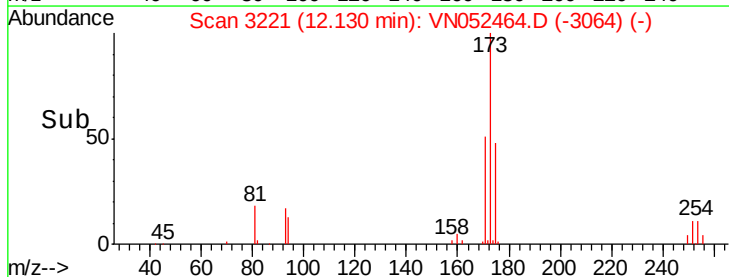
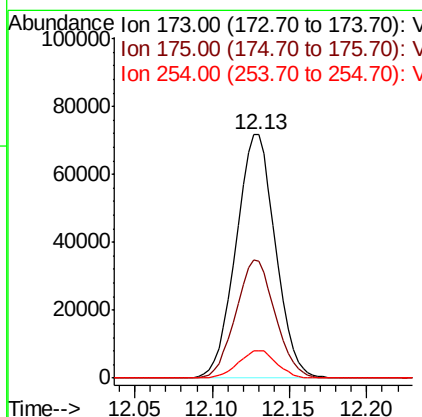
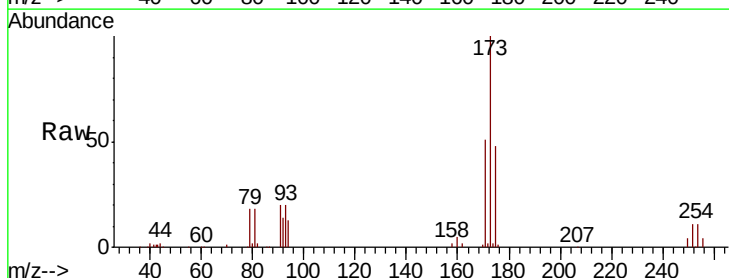
Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.4	38.2
106	25.9	20.4	30.6

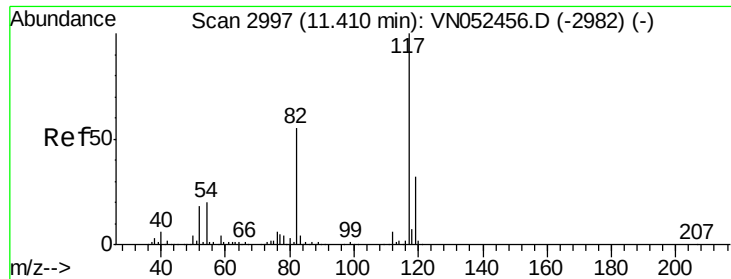


#56
 Bromoform
 Concen: 18.876 ug/l
 RT: 12.13 min Scan# 3221
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

Tgt Ion: 173 Resp: 127157

Ion	Ratio	Lower	Upper
173	100		
175	48.5	38.7	58.1
254	10.9	8.4	12.6

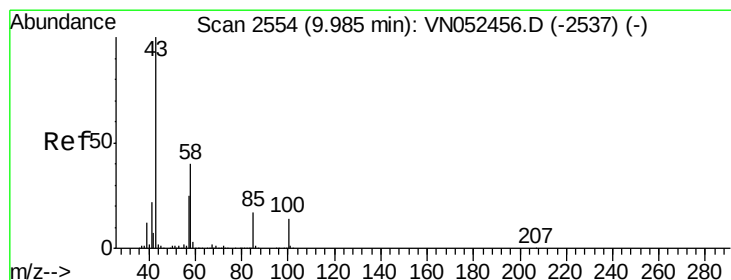
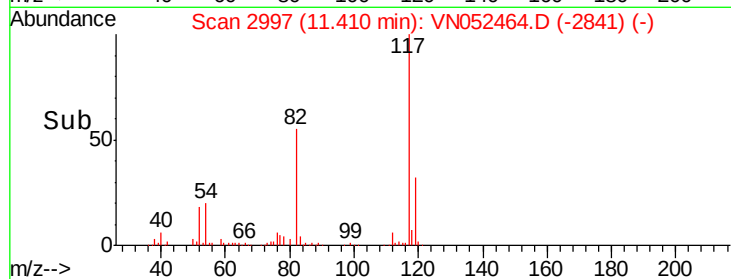
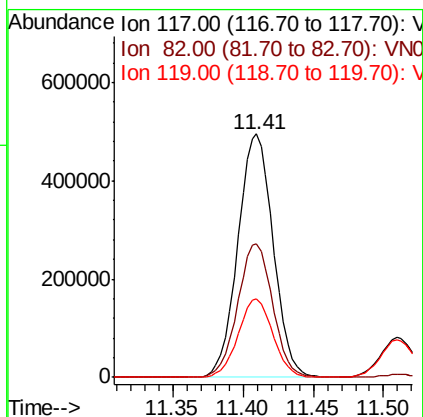
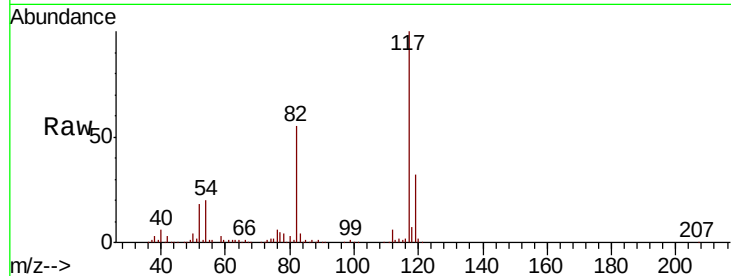




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

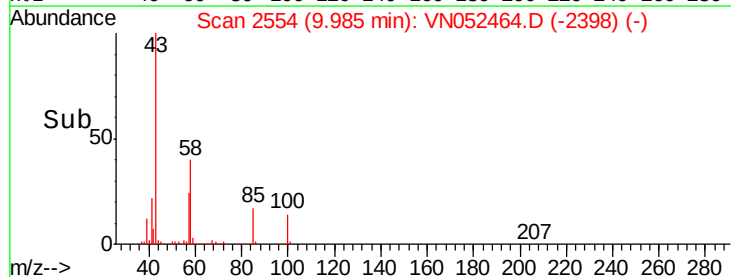
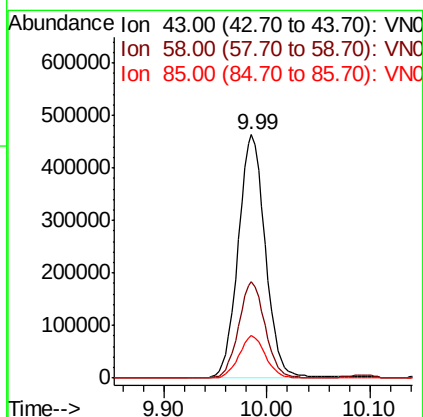
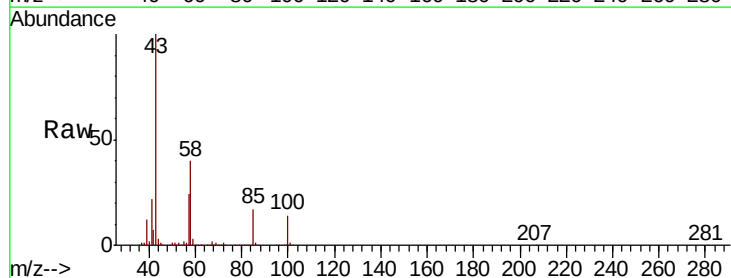
Instrument :
MSVOA_N
ClientSampleId :

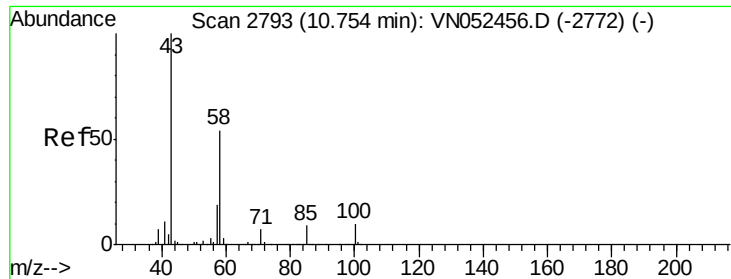
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	44.2	66.2
119	31.7	25.4	38.2



#58
4-Methyl-2-Pentanone
Concen: 100.302 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.6	47.4
85	17.0	13.3	19.9

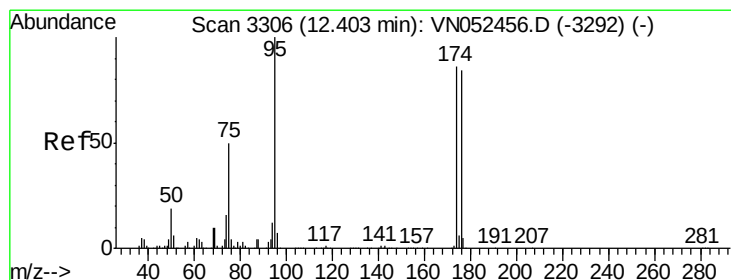
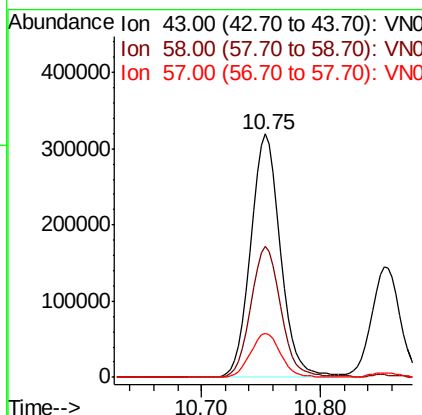
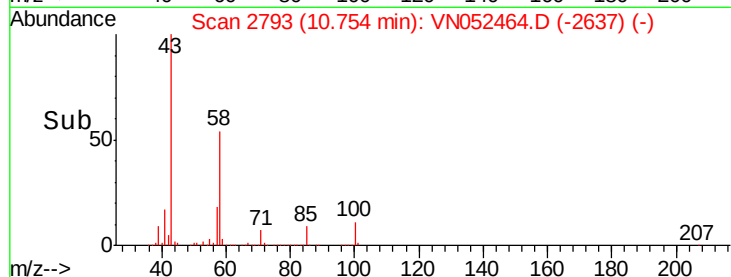
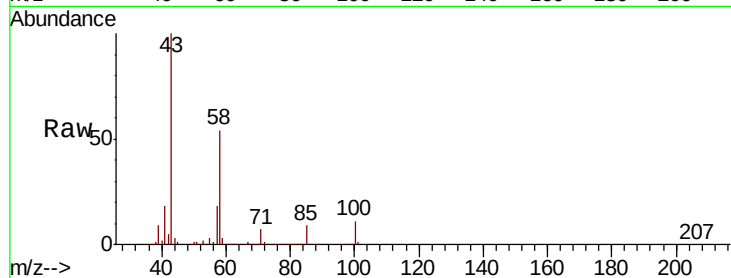




#59
2-Hexanone
Concen: 95.847 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

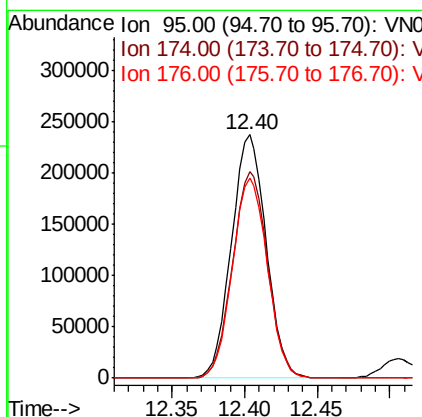
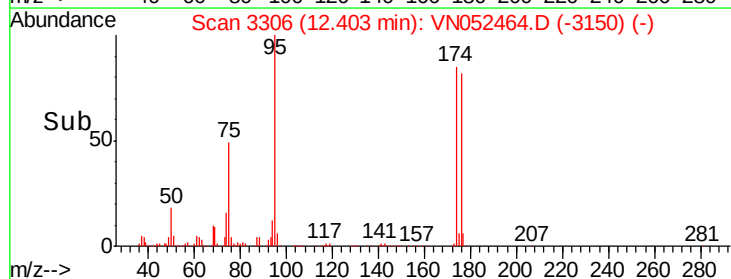
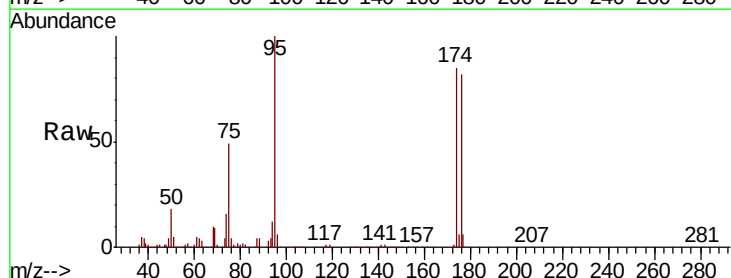
Instrument :
MSVOA_N
ClientSampleId :

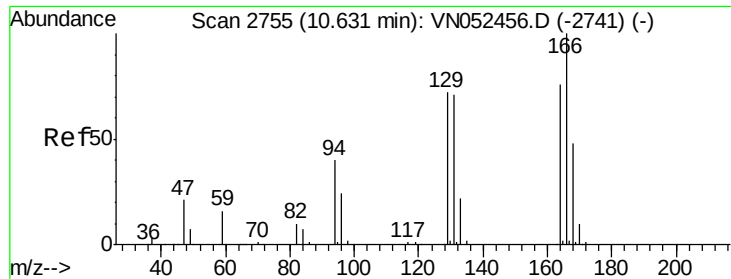
Tot Ion: 43 Resp: 551762
Ion Ratio Lower Upper
43 100
58 54.8 43.2 64.8
57 18.6 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 95.847 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Tgt Ion: 95 Resp: 395330
Ion Ratio Lower Upper
95 100
174 85.5 67.9 101.9
176 82.7 66.4 99.6





#61

Tetrachloroethene

Concen: 19.899 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 213033

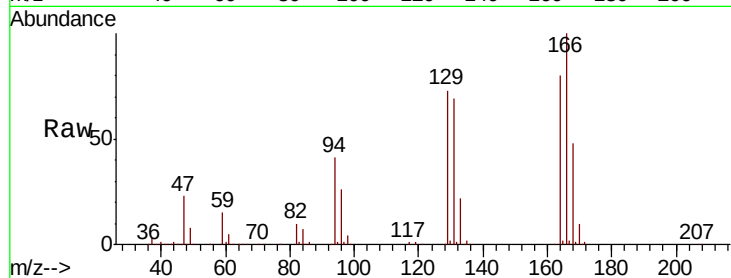
Ion Ratio Lower Upper

164 100

166 125.7 104.6 157.0

129 91.4 75.3 112.9

131 87.0 74.3 111.5

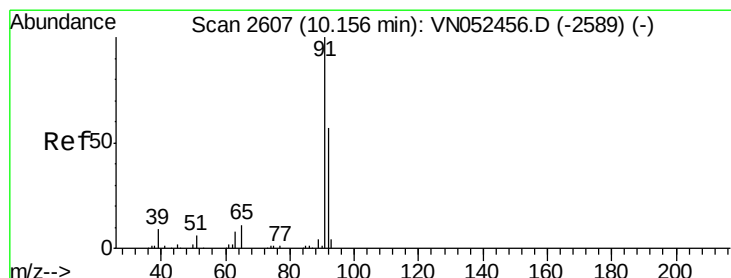
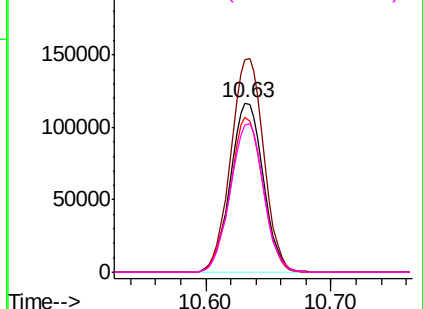
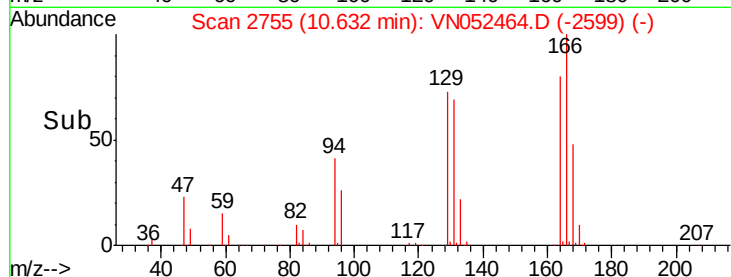


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.624 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052464.D

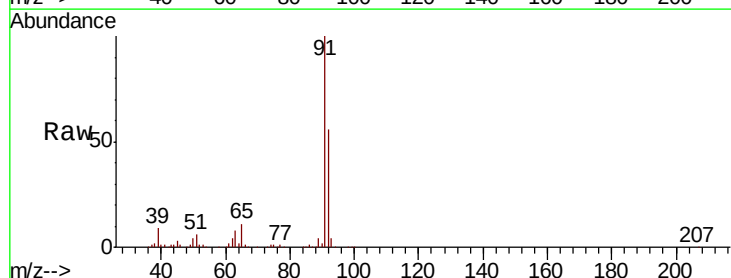
Acq: 26 Nov 2018 17:38

Tgt Ion: 91 Resp: 940369

Ion Ratio Lower Upper

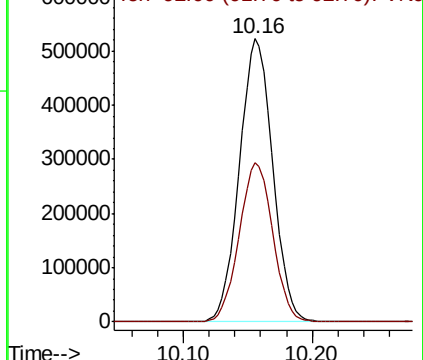
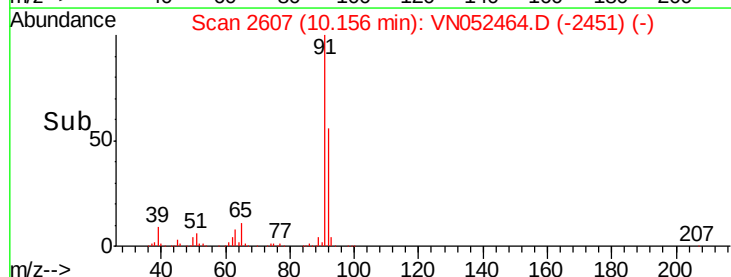
91 100

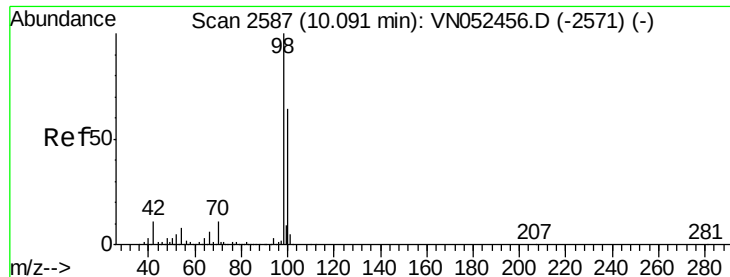
92 56.7 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 19.624 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

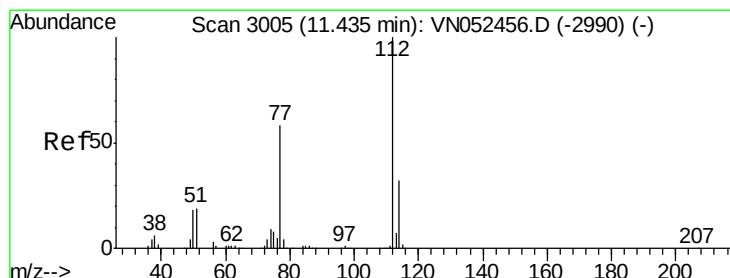
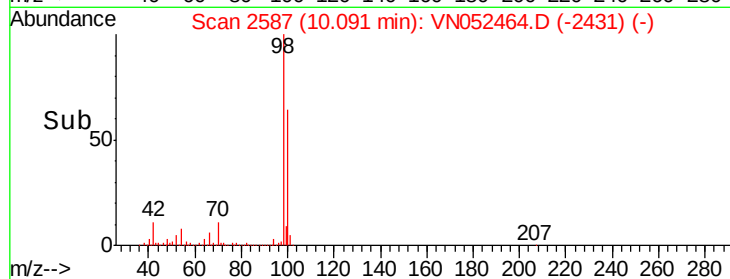
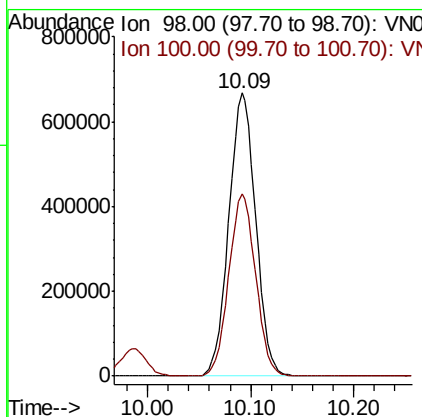
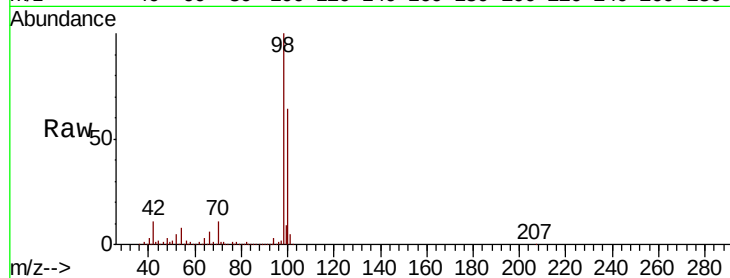
ClientSampleId :

Tot Ion: 98 Resp: 1214191

Ion Ratio Lower Upper

98 100

100 64.4 51.1 76.7



#64

Chlorobenzene

Concen: 19.670 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052464.D

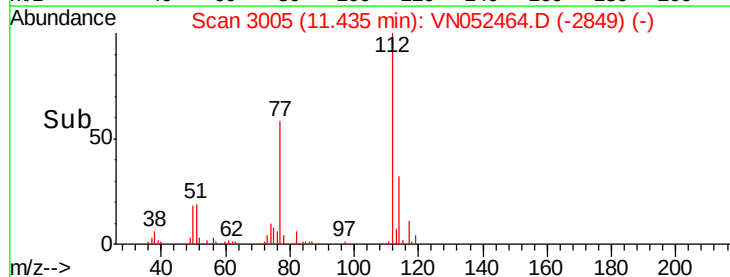
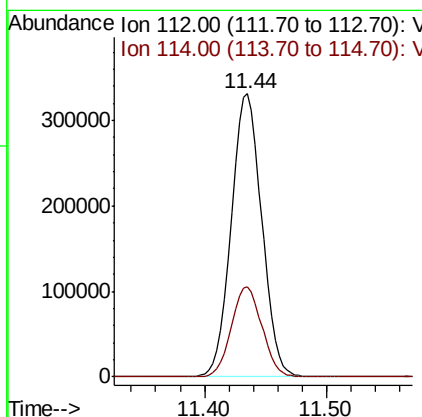
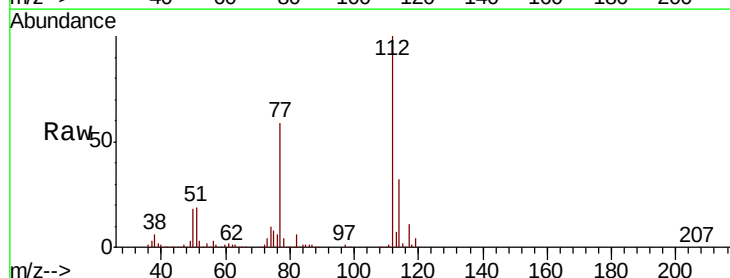
Acq: 26 Nov 2018 17:38

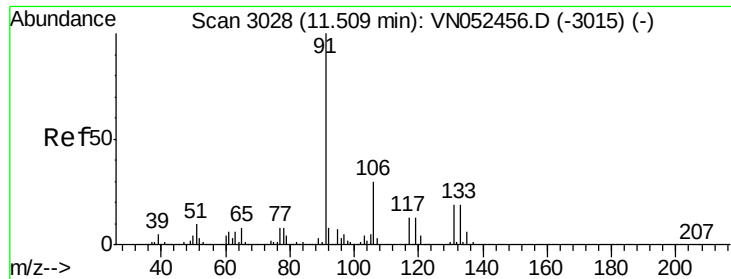
Tgt Ion: 112 Resp: 575321

Ion Ratio Lower Upper

112 100

114 32.0 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 19.386 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

ClientSampleId :

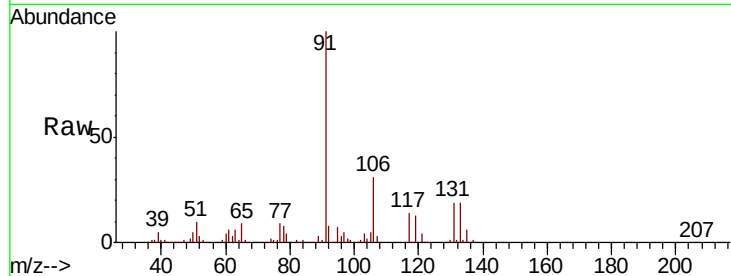
Tot Ion:131 Resp: 196813

Ion Ratio Lower Upper

131 100

133 95.8 0.0 193.4

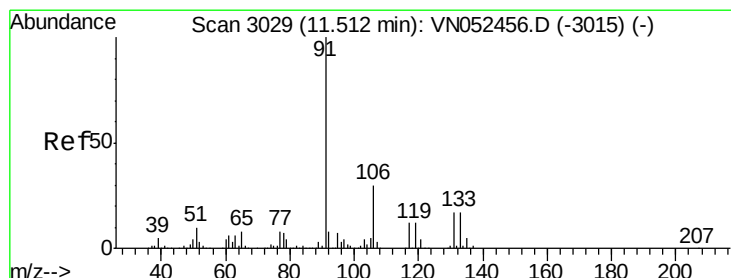
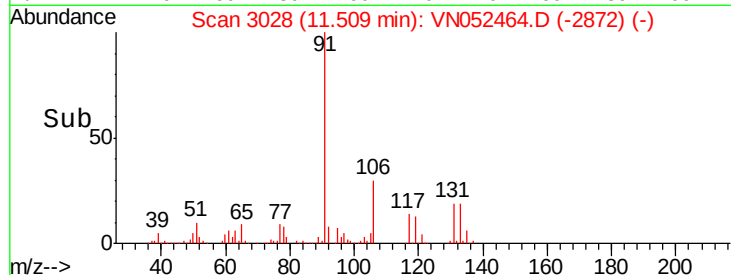
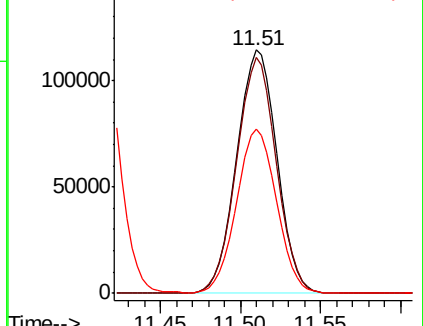
119 67.0 0.0 133.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.414 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052464.D

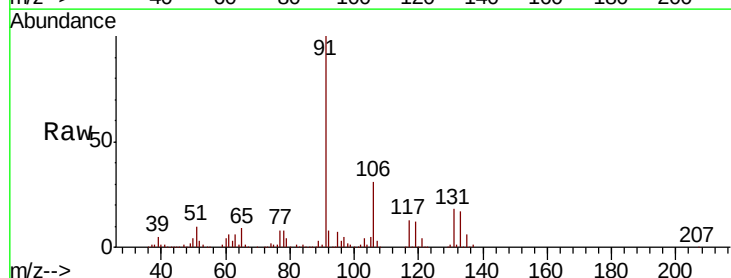
Acq: 26 Nov 2018 17:38

Tgt Ion: 91 Resp: 1002630

Ion Ratio Lower Upper

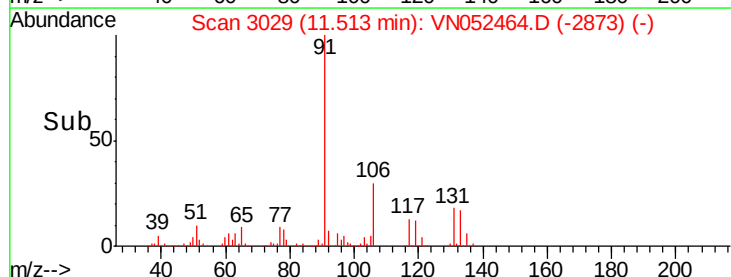
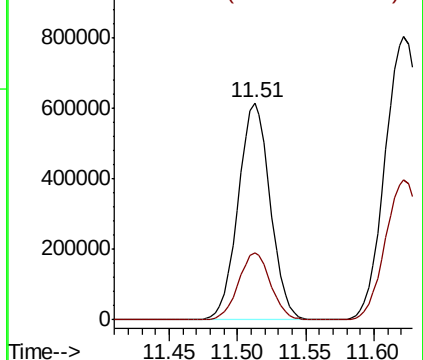
91 100

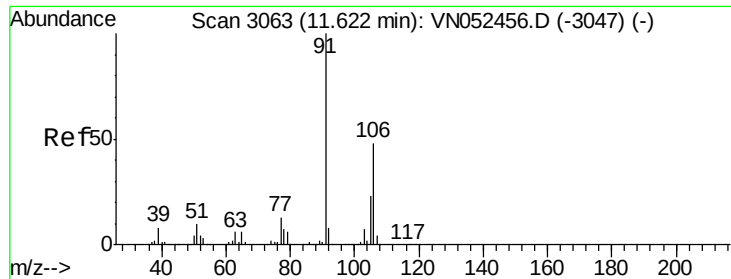
106 30.8 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

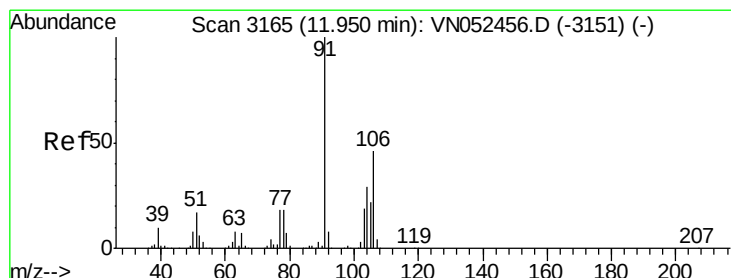
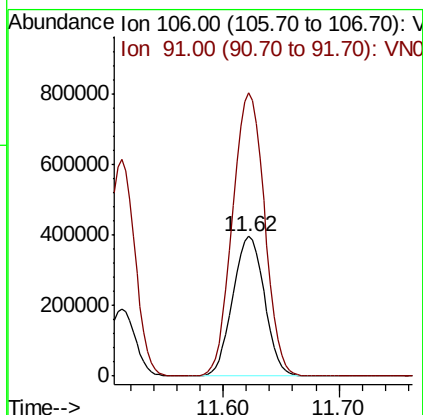
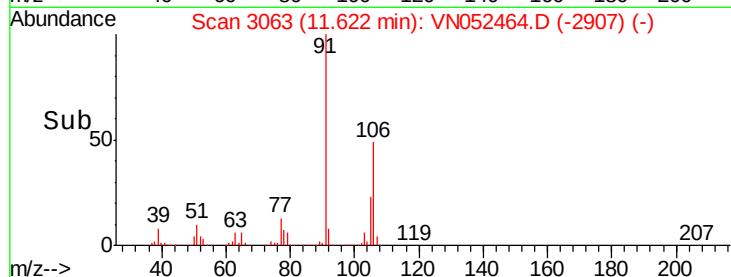
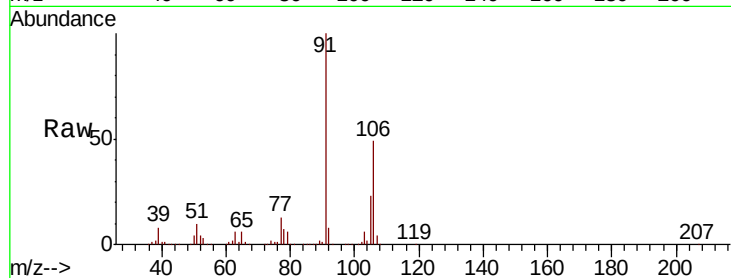




#67
m/p-Xylenes
Concen: 39.028 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

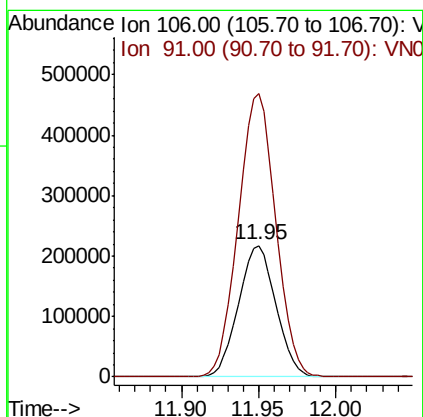
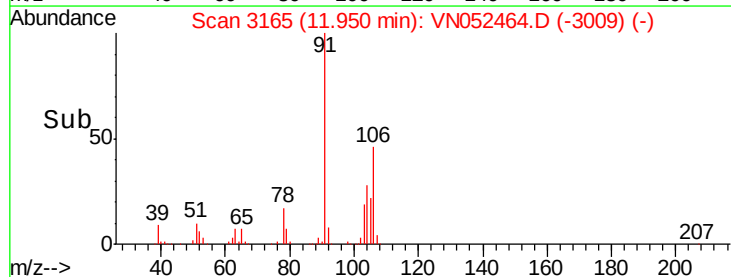
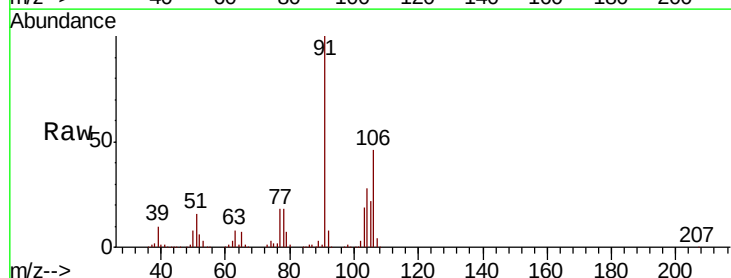
Instrument :
MSVOA_N
ClientSampled :

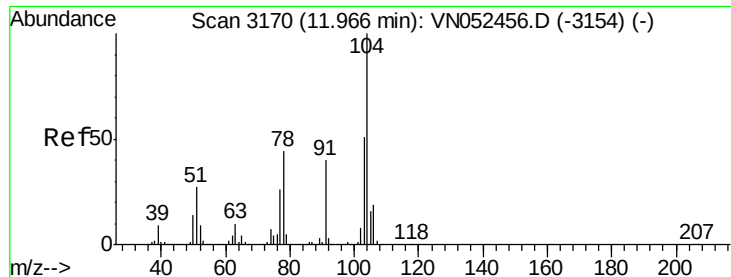
Tot Ion:106 Resp: 750928
Ion Ratio Lower Upper
106 100
91 204.6 163.9 245.9



#68
o-Xylene
Concen: 19.558 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Tgt Ion:106 Resp: 365256
Ion Ratio Lower Upper
106 100
91 216.3 107.8 323.4

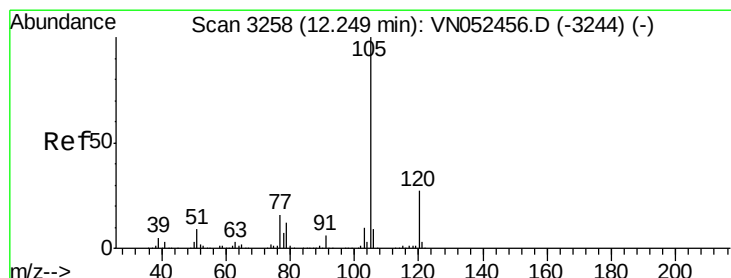
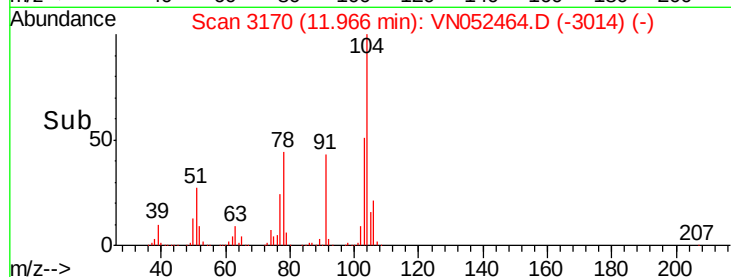
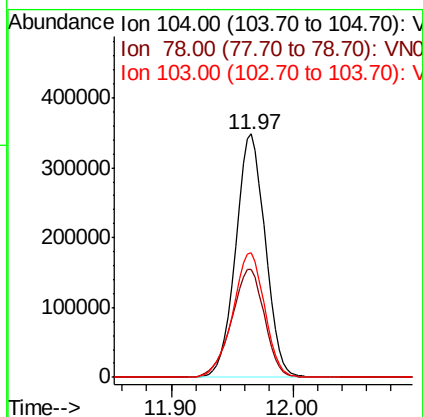
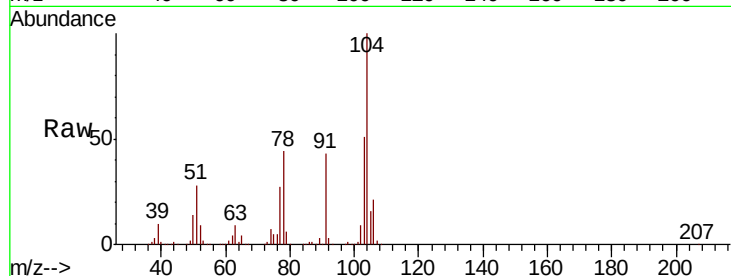




#69
Stvrene
Concen: 19.367 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

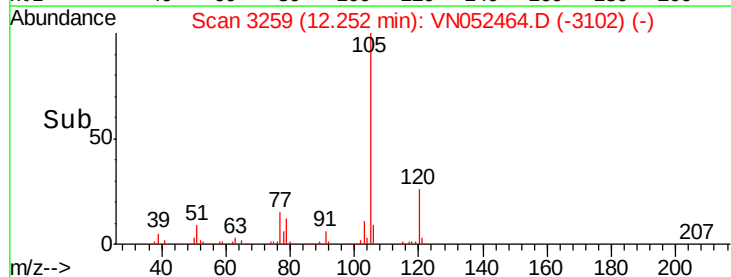
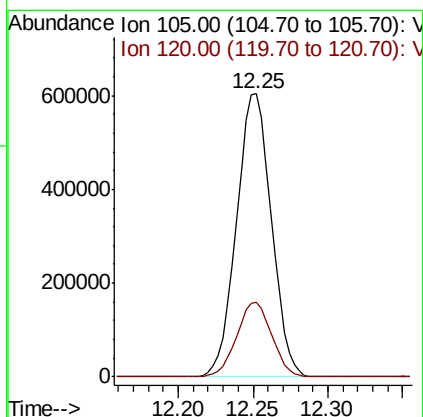
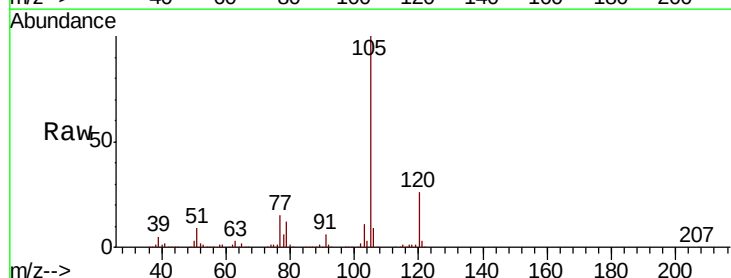
Instrument :
MSVOA_N
ClientSampleId :

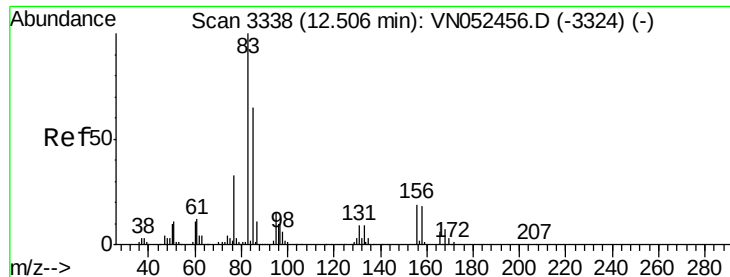
Tot Ion	Ratio	Lower	Upper
104	100		
78	49.5	39.3	58.9
103	55.3	44.6	66.8



#70
Isopropylbenzene
Concen: 19.769 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.4	18.6	34.6

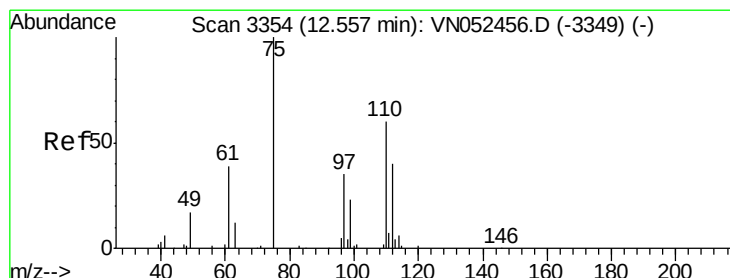
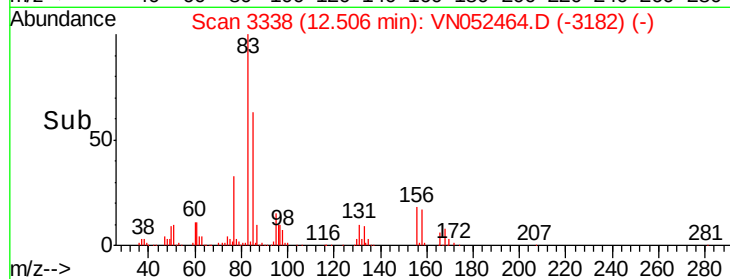
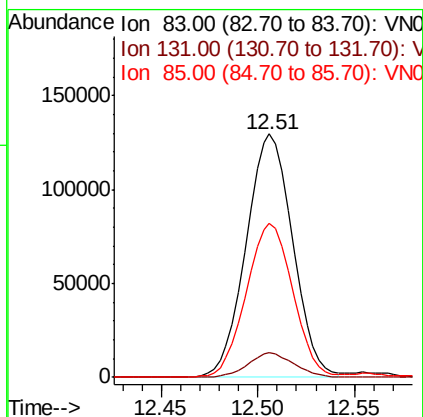
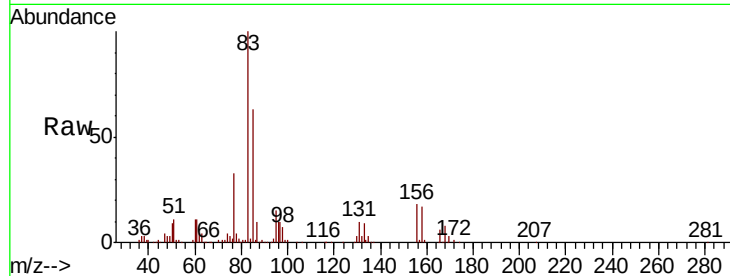




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.085 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

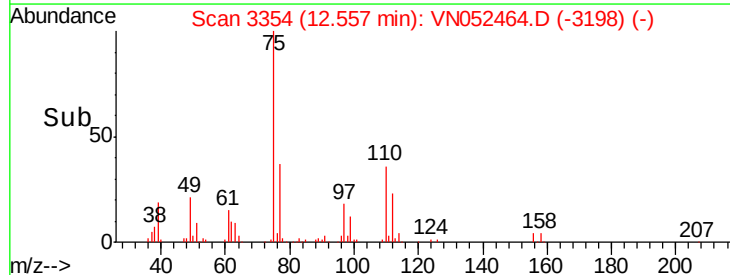
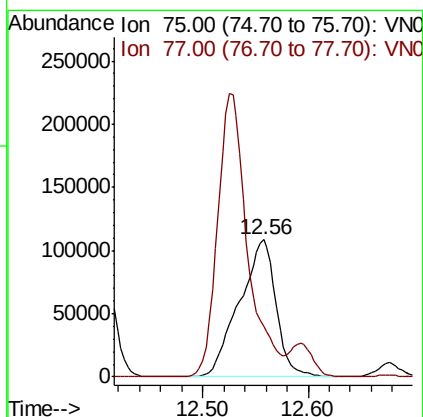
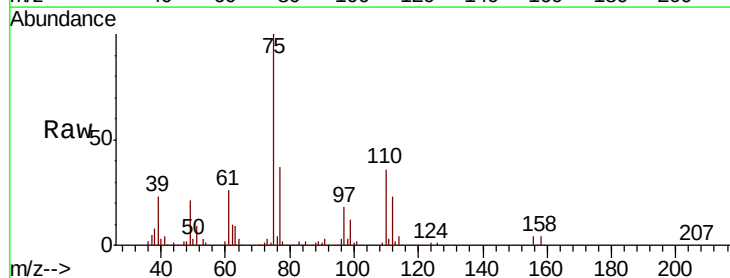
Instrument :
 MSVOA_N
 ClientSampled :

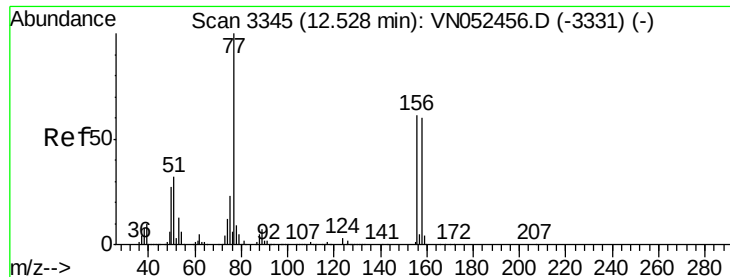
Tot Ion	83	Resp	217095
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.6
85	63.4	32.2	96.6



#72
 1,2,3-Trichloropropane
 Concen: 28.358 ug/l
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

Tgt Ion	75	Resp	263124
Ion Ratio	Lower	Upper	
75	100		
77	167.9	0.0	514.8





#73

Bromobenzene

Concen: 19.490 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

ClientSampled :

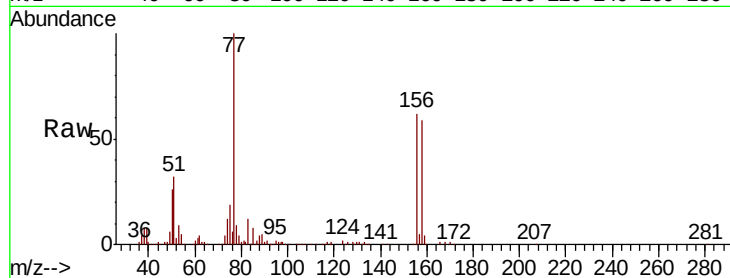
Tot Ion:156 Resp: 234228

Ion Ratio Lower Upper

156 100

77 188.6 0.0 382.6

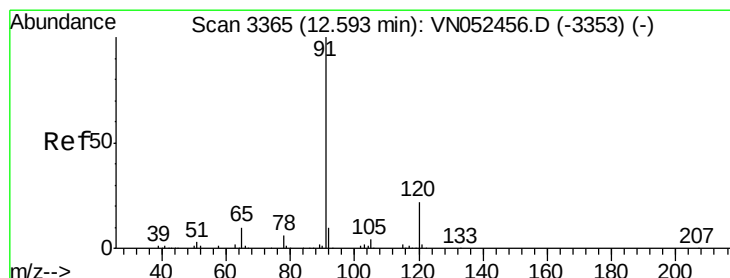
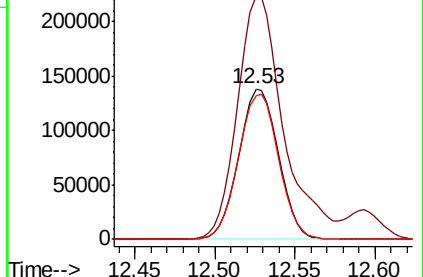
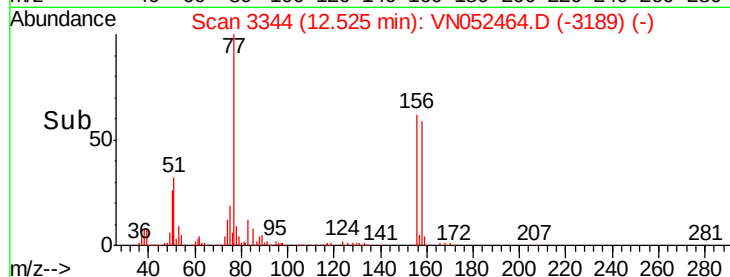
158 97.9 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.252 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052464.D

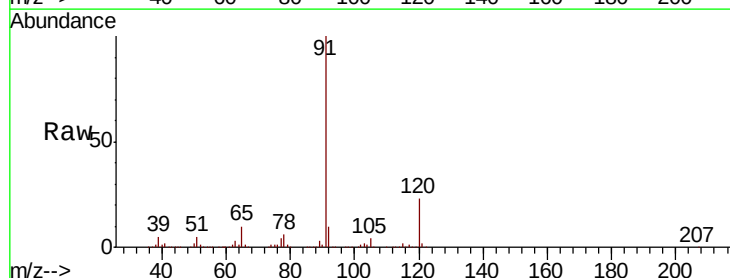
Acq: 26 Nov 2018 17:38

Tgt Ion: 91 Resp: 1114591

Ion Ratio Lower Upper

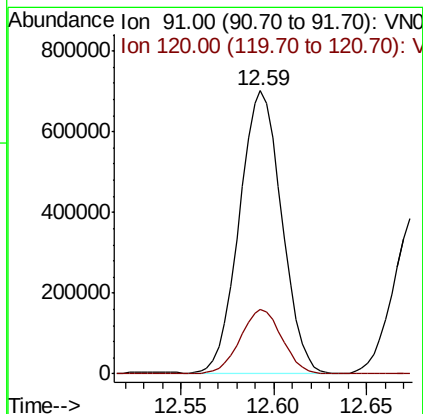
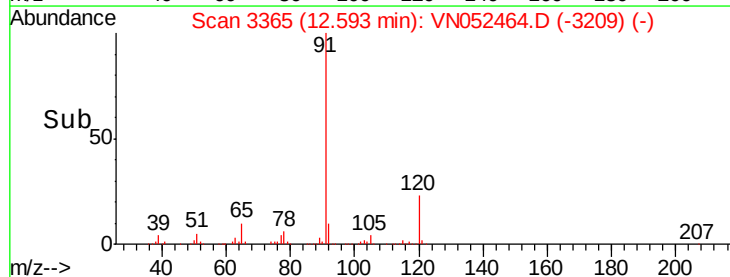
91 100

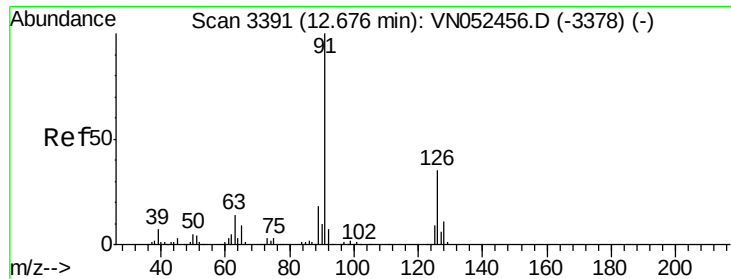
120 22.4 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.701 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

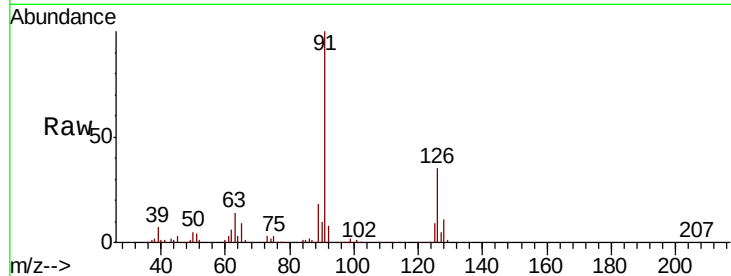
ClientSampled :

Tot Ion: 91 Resp: 662034

Ion Ratio Lower Upper

91 100

126 33.9 0.0 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN052464.D (-3393) (-)

Ion 126.00 (125.70 to 126.70): VN052464.D (-3393) (-)

800000

600000

400000

200000

0

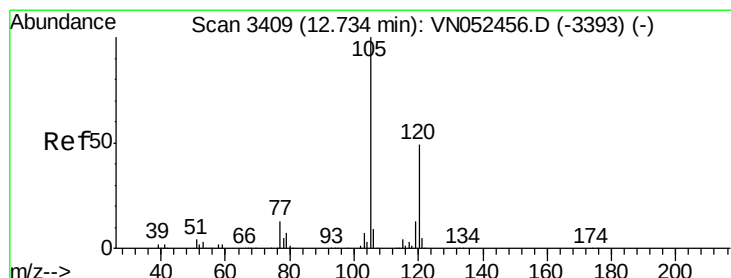
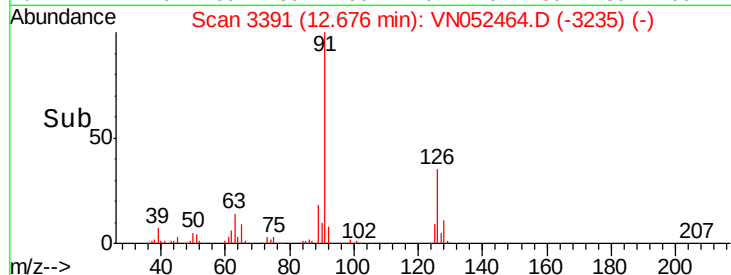
12.68

12.60

12.65

12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.749 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052464.D

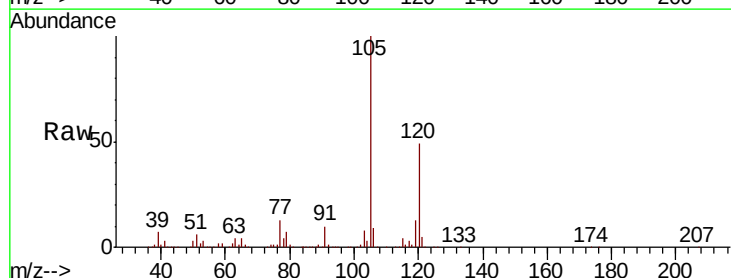
Acq: 26 Nov 2018 17:38

Tgt Ion: 105 Resp: 792591

Ion Ratio Lower Upper

105 100

120 48.6 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VN052464.D (-3409) (-)

Ion 120.00 (119.70 to 120.70): VN052464.D (-3409) (-)

500000

400000

300000

200000

100000

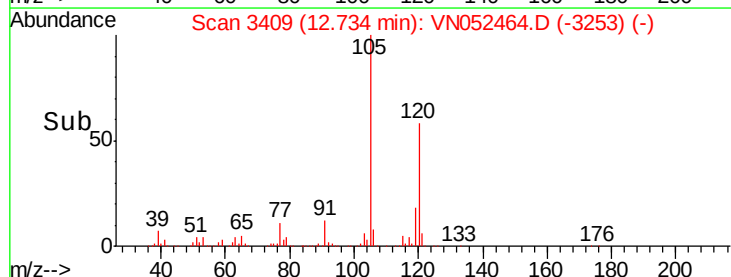
0

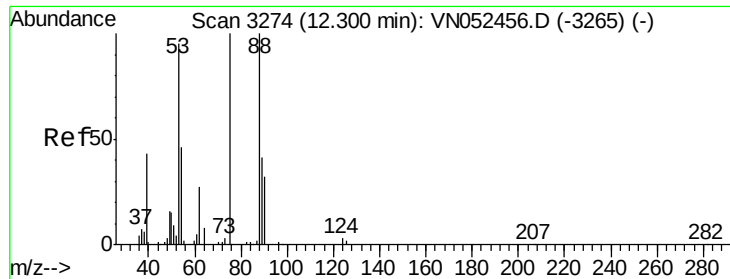
12.73

12.70

12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 17.974 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

ClientSampleId :

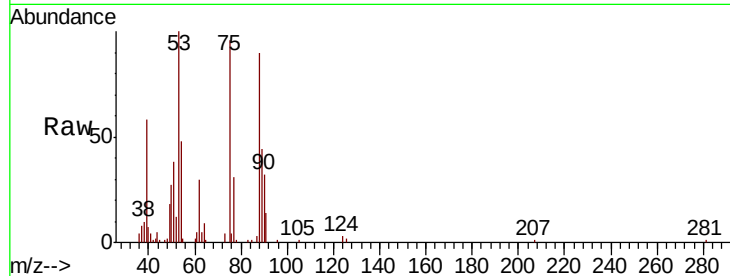
Tot Ion: 75 Resp: 52682

Ion	Ratio	Lower	Upper
75	100		
53	103.3	48.5	145.6
89	45.4	21.7	65.1

75 100

53 103.3 48.5 145.6

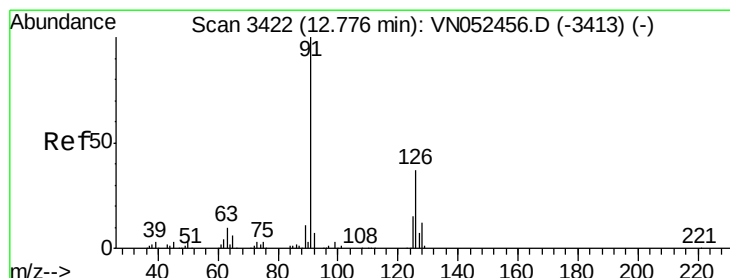
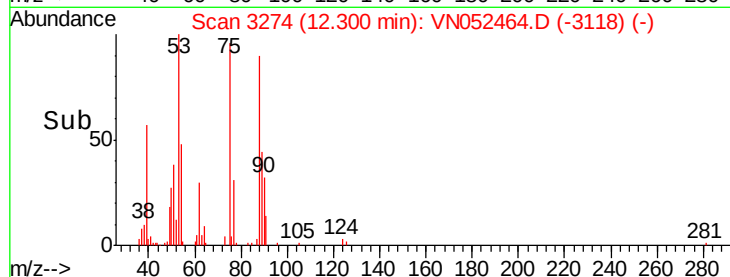
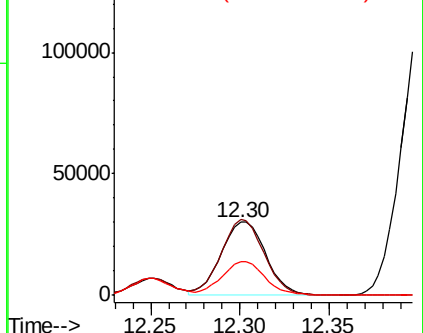
89 45.4 21.7 65.1



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.152 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN052464.D

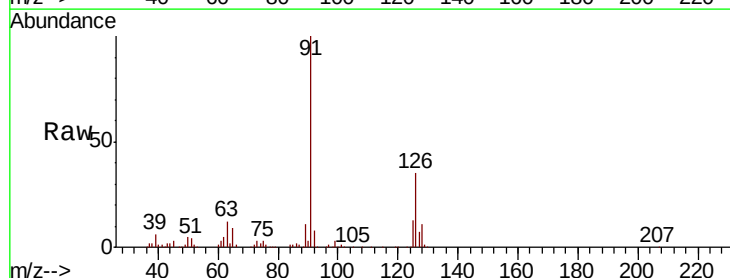
Acq: 26 Nov 2018 17:38

Tgt Ion: 91 Resp: 642723

Ion	Ratio	Lower	Upper
91	100		
126	34.4	0.0	68.2

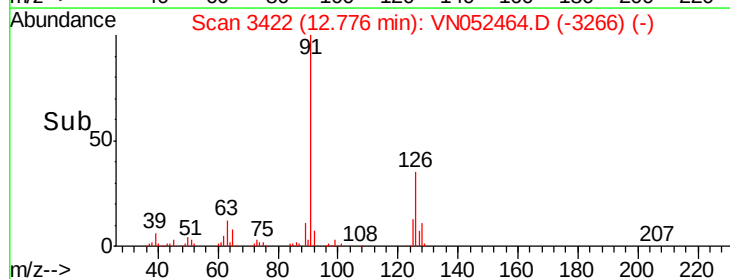
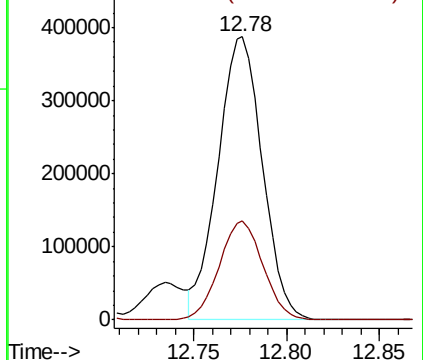
91 100

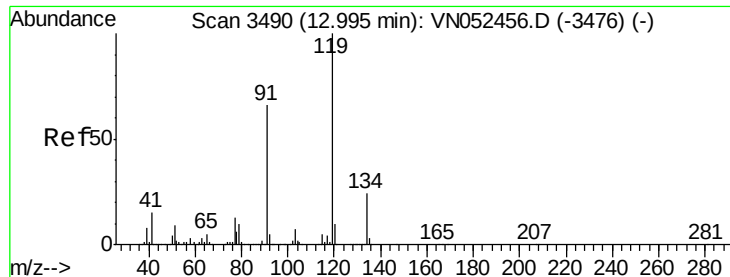
126 34.4 0.0 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

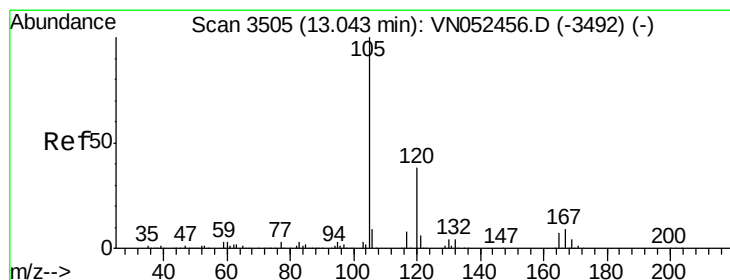
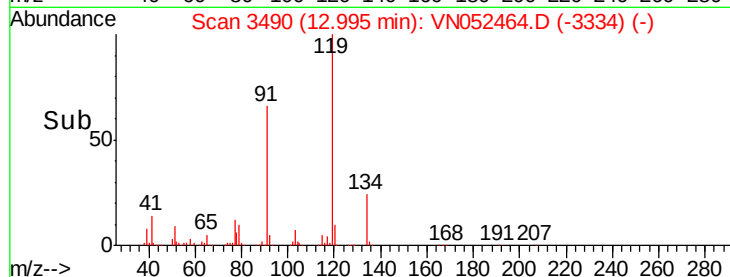
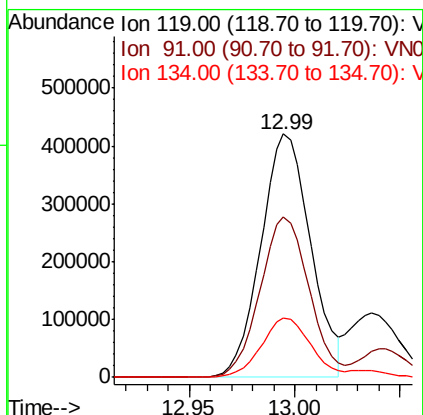
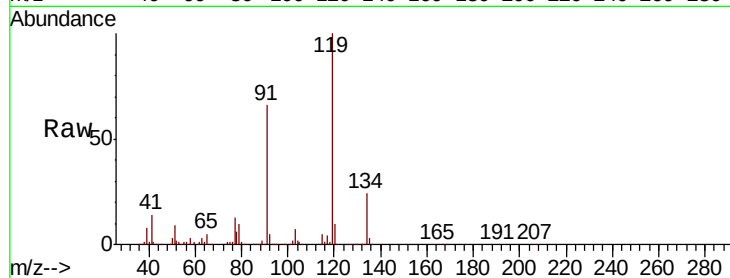




#79
tert-butylbenzene
Concen: 19.818 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

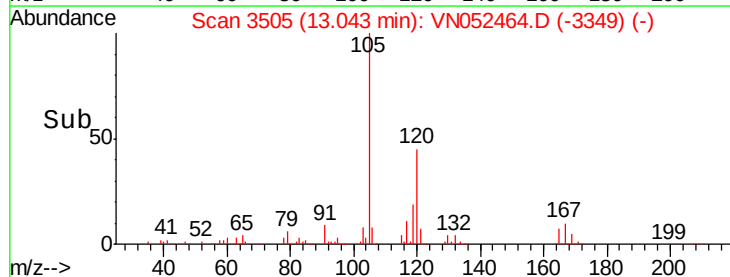
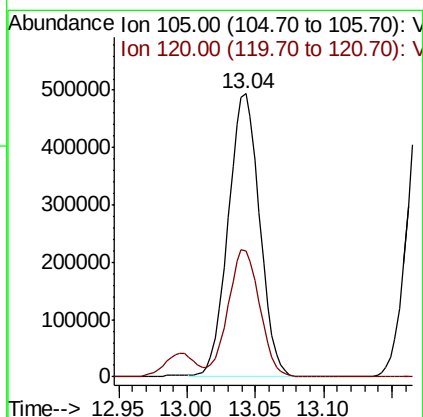
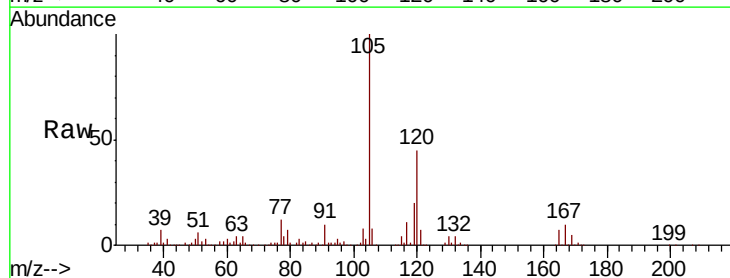
Instrument :
MSVOA_N
ClientSampleId :

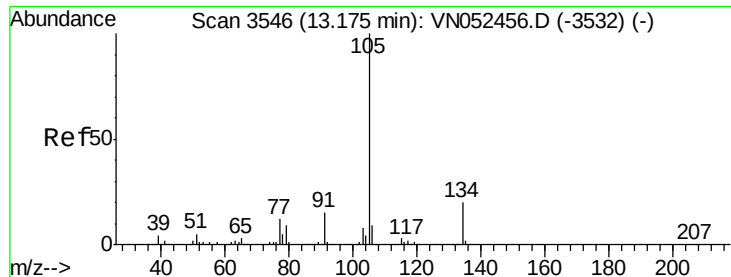
Tot Ion:119 Resp: 692667
Ion Ratio Lower Upper
119 100
91 64.8 0.0 129.8
134 24.0 0.0 52.2



#80
1,2,4-Trimethylbenzene
Concen: 19.733 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Tgt Ion:105 Resp: 792457
Ion Ratio Lower Upper
105 100
120 44.9 0.0 91.0





#81

sec-Butylbenzene

Concen: 19.407 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

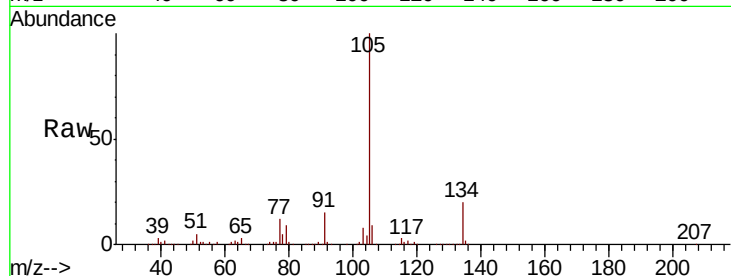
ClientSampleId :

Tot Ion:105 Resp: 944797

Ion Ratio Lower Upper

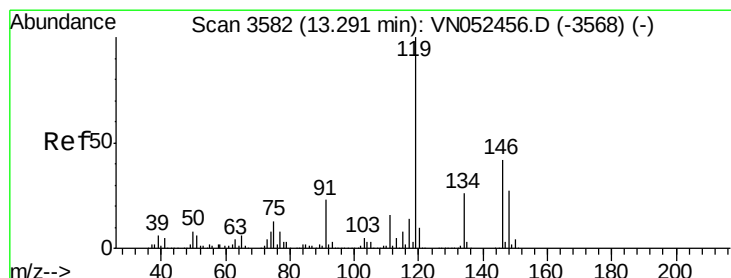
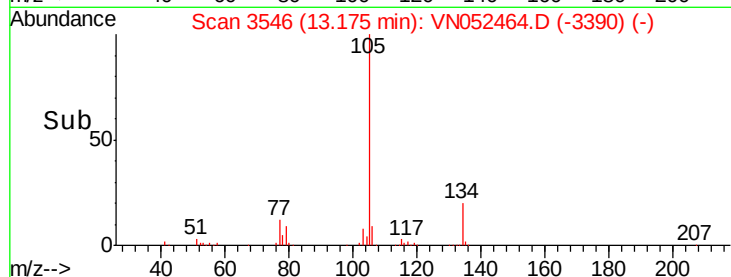
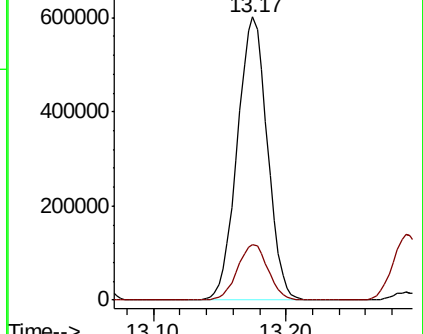
105 100

134 20.0 0.0 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 19.225 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

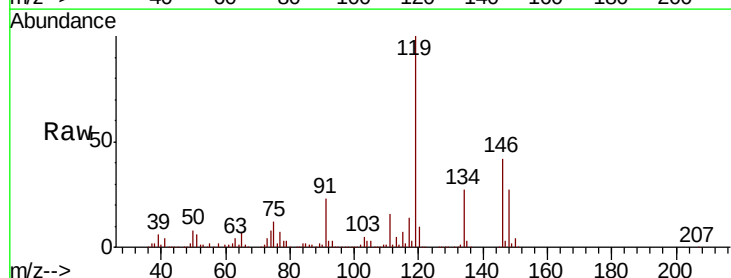
Tgt Ion:119 Resp: 796962

Ion Ratio Lower Upper

119 100

134 27.0 0.0 52.6

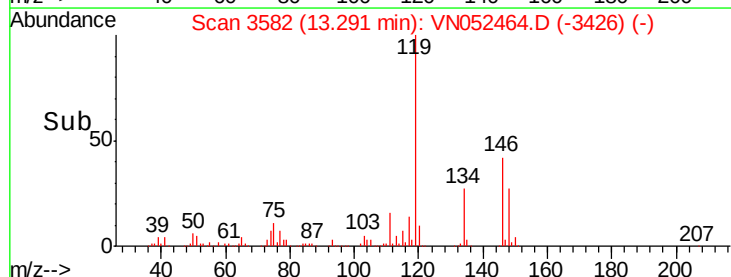
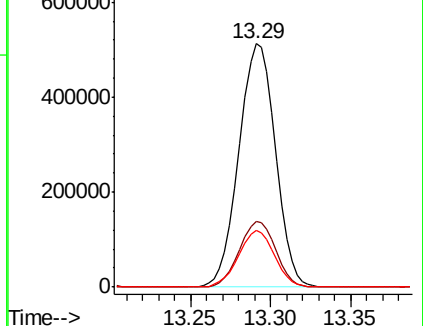
91 23.0 0.0 46.2

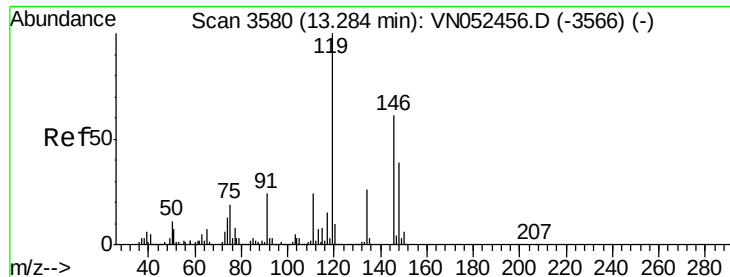


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#83

1,3-Dichlorobenzene

Concen: 19.127 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

ClientSampled :

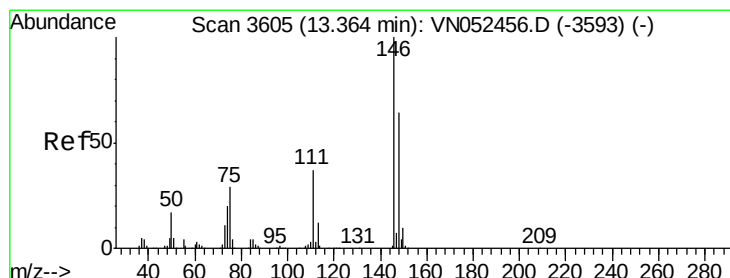
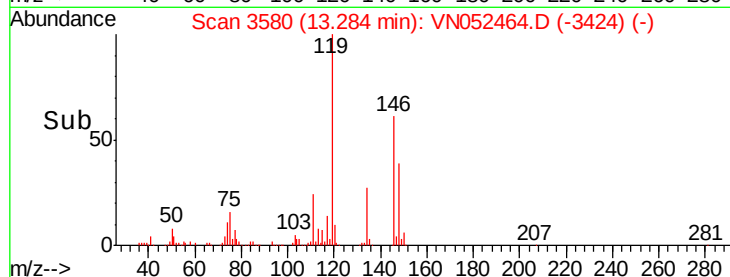
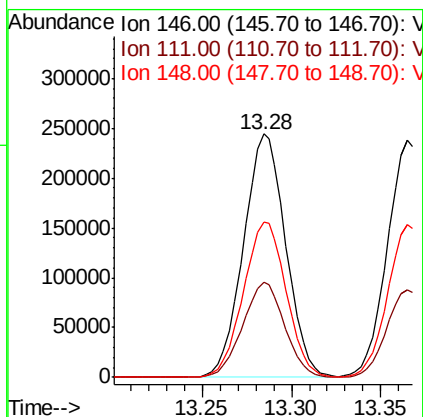
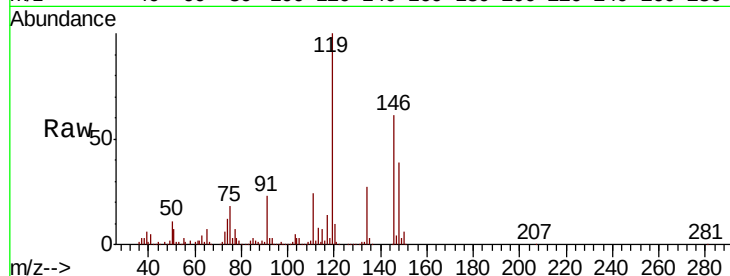
Tot Ion:146 Resp: 404265

Ion Ratio Lower Upper

146 100

111 38.8 19.7 59.0

148 64.6 32.3 96.8



#84

1,4-Dichlorobenzene

Concen: 19.151 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

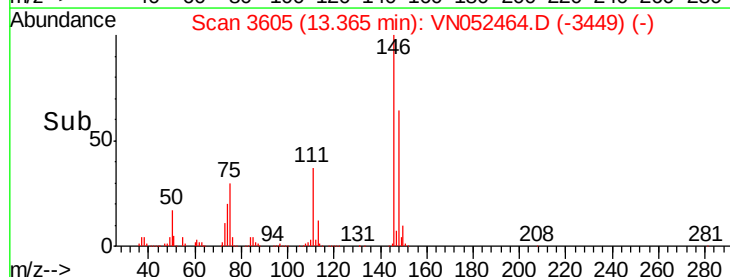
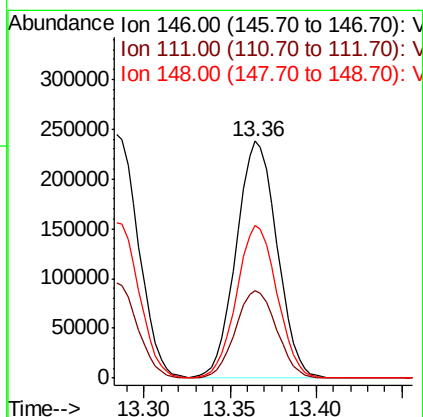
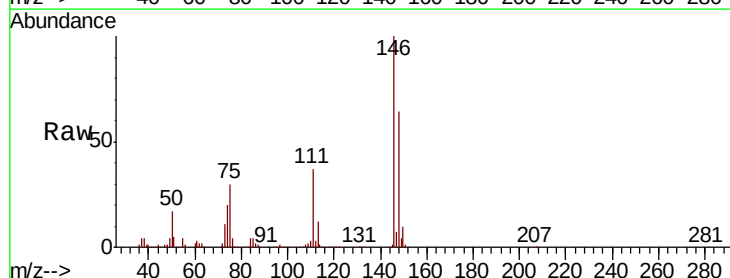
Tgt Ion:146 Resp: 391081

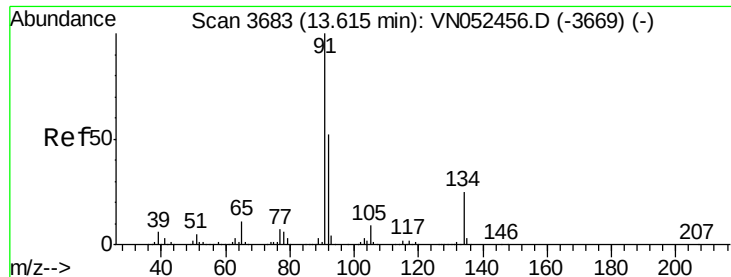
Ion Ratio Lower Upper

146 100

111 37.3 18.8 56.3

148 64.2 32.5 97.4





#85

n-Butylbenzene

Concen: 18.458 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

ClientSampled :

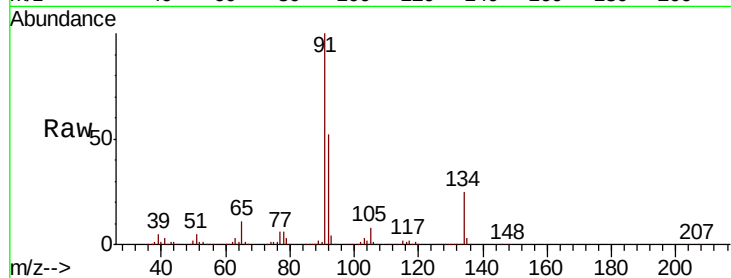
Tot Ion: 91 Resp: 657257

Ion Ratio Lower Upper

91 100

92 51.7 0.0 104.2

134 25.5 0.0 50.6

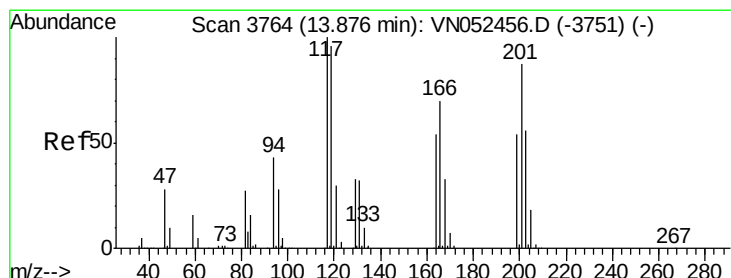
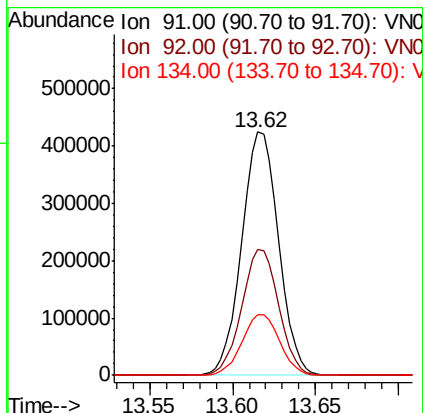
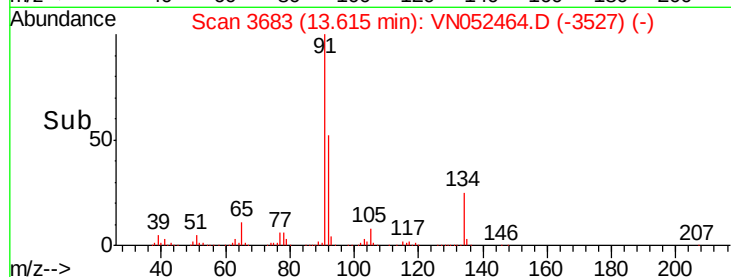


Abundance Ion 91.00 (90.70 to 91.70): VN052456.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN052456.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN052456.D (-3669) (-)

Time-->



#86

Hexachloroethane

Concen: 18.934 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052464.D

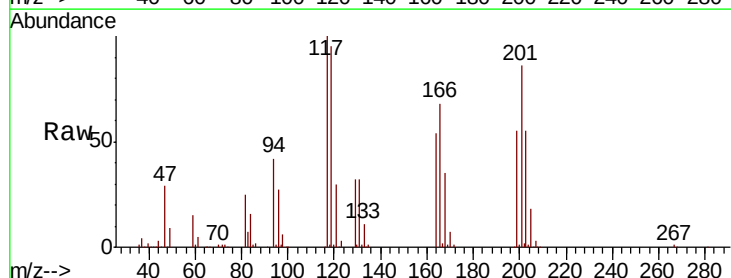
Acq: 26 Nov 2018 17:38

Tgt Ion: 117 Resp: 132992

Ion Ratio Lower Upper

117 100

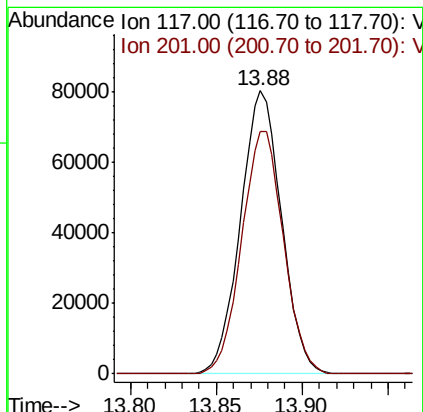
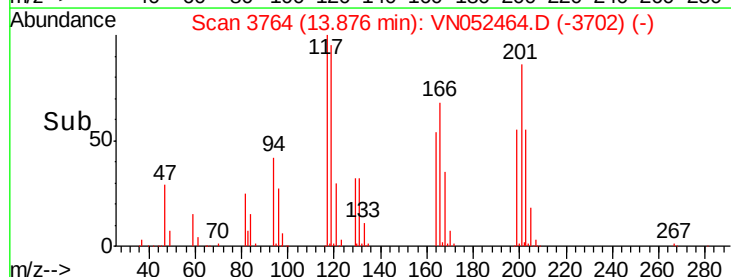
201 87.1 43.8 131.3

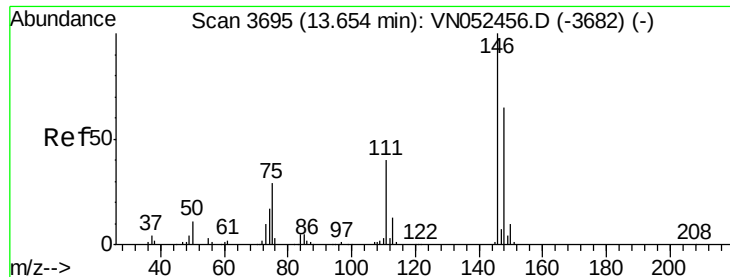


Abundance Ion 117.00 (116.70 to 117.70): VN052456.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN052456.D (-3751) (-)

Time-->

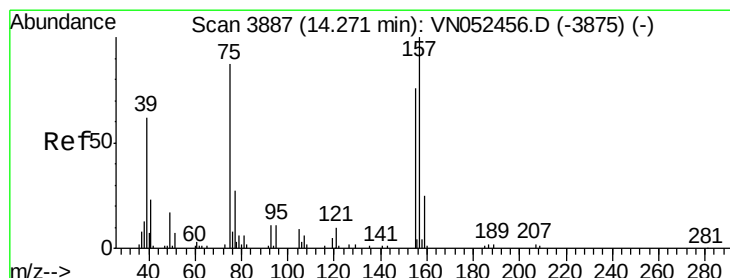
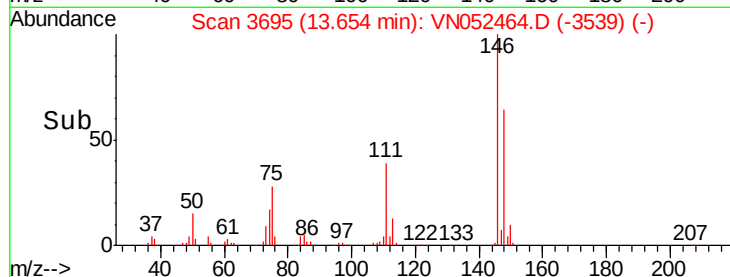
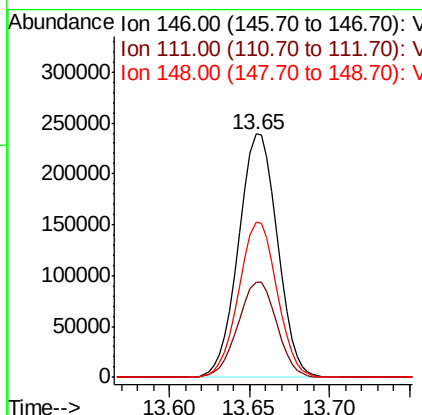
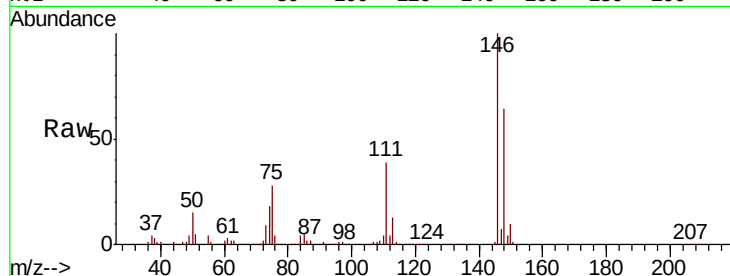




#87
 1,2-Dichlorobenzene
 Concen: 19.705 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

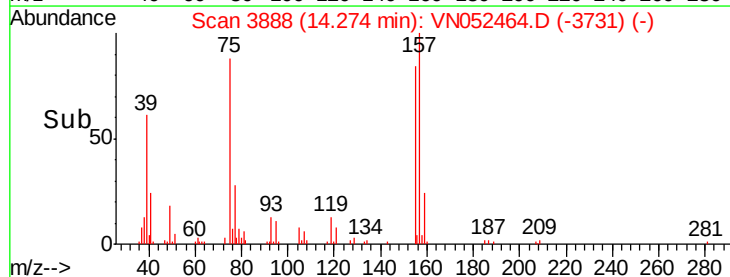
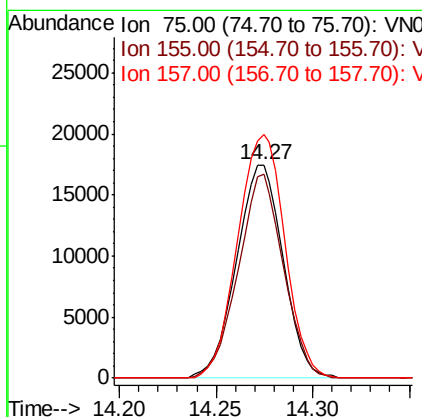
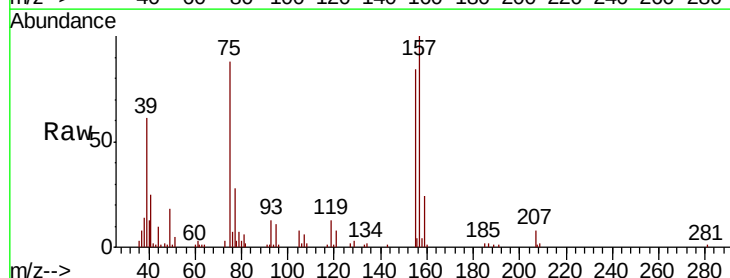
Instrument :
 MSVOA_N
 ClientSampled :

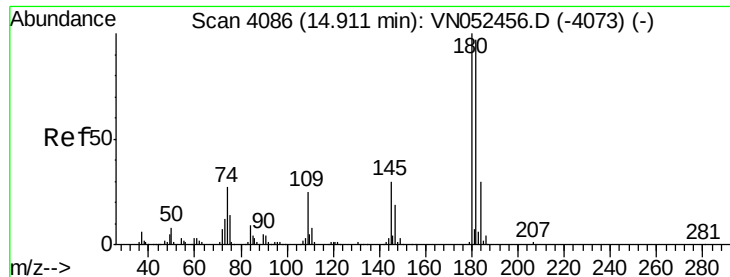
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.3	60.8
148	63.1	32.1	96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.355 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.1	72.2	108.2
157	115.4	94.2	141.2

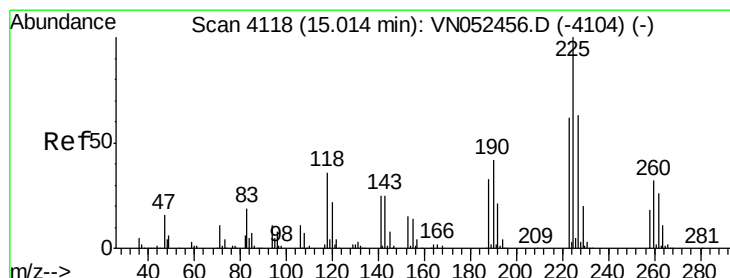
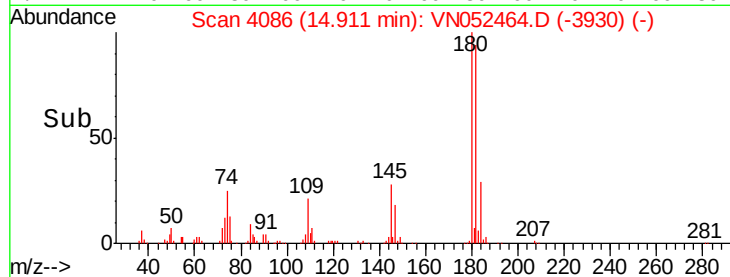
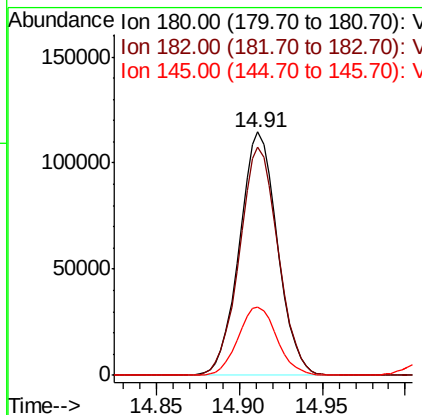
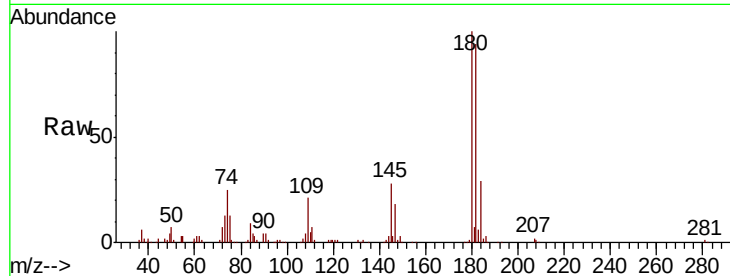




#89
 1,2,4-Trichlorobenzene
 Concen: 18.390 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

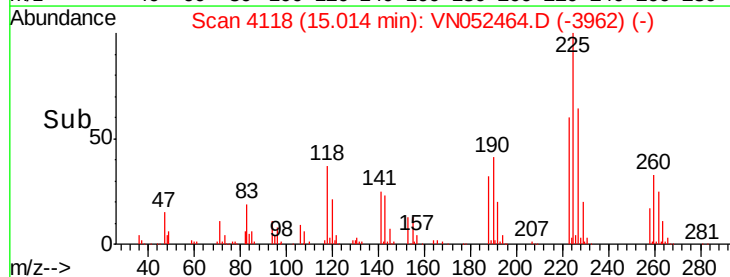
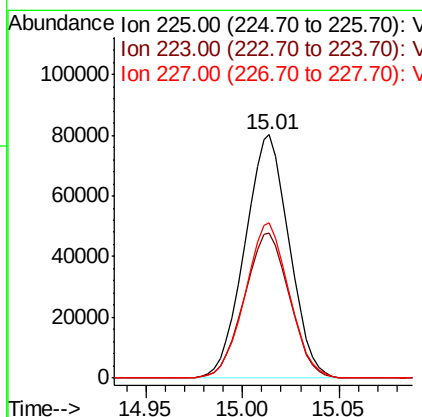
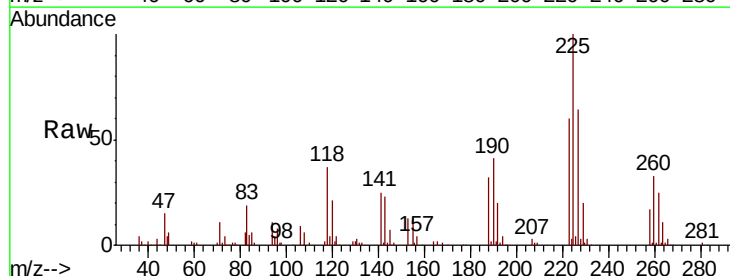
Instrument :
 MSVOA_N
 ClientSampled :

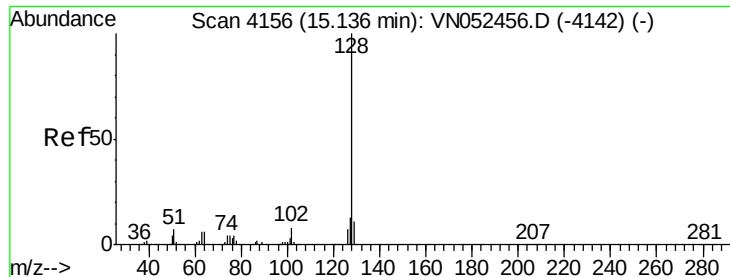
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.6	114.8
145	28.9	23.6	35.4



#90
 Hexachlorobutadiene
 Concen: 19.727 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.9	0.0	125.6
227	63.4	0.0	127.8





#91

Naphthalene

Concen: 18.219 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

ClientSampled :

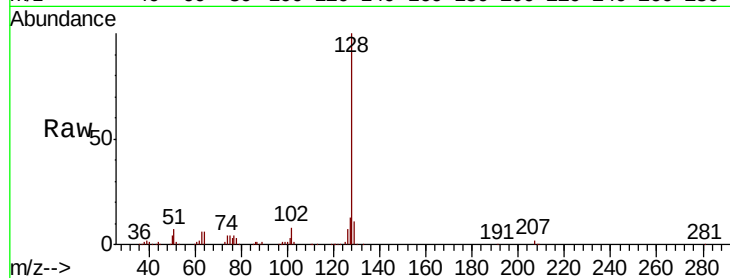
Tot Ion:128 Resp: 364591

Ion Ratio Lower Upper

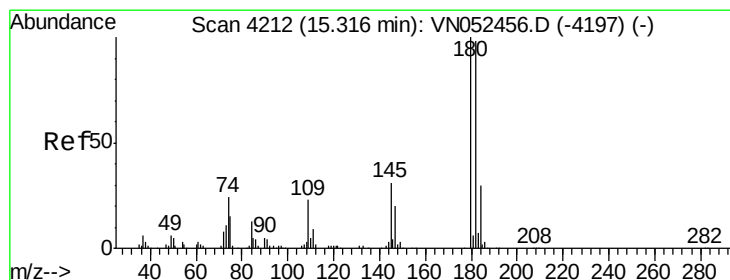
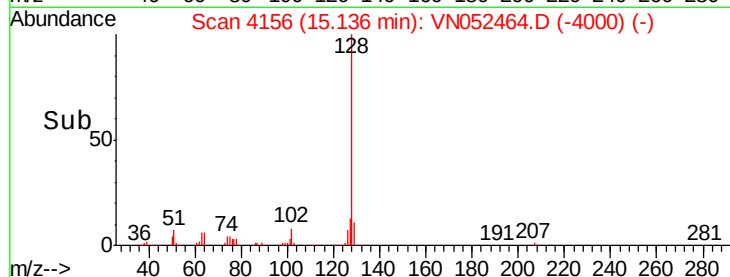
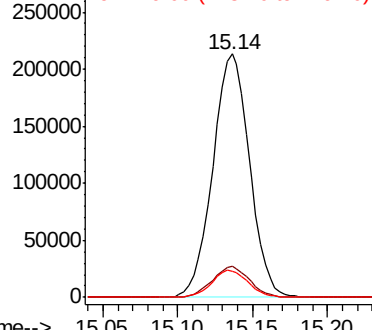
128 100

127 12.7 9.9 14.9

129 11.0 8.5 12.7



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: 18.608 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

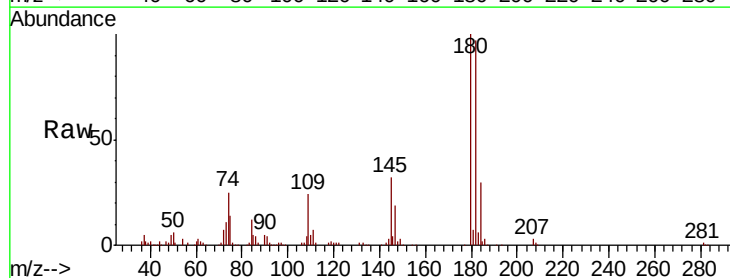
Tgt Ion:180 Resp: 169931

Ion Ratio Lower Upper

180 100

182 96.0 0.0 196.2

145 31.8 0.0 62.2



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

