

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN103018\
 Data File : VN052056.D
 Acq On : 30 Oct 2018 9:52
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 31 02:24:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:21:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	218807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	417357	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	366739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142732	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	20107	5.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.68%	
35) Dibromofluoromethane	7.59	113	14009	5.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.20%	
50) Toluene-d8	10.09	98	55411	5.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.90%	
62) 4-Bromofluorobenzene	12.40	95	19511	5.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	11392	4.513	ug/l	98
3) Chloromethane	2.06	50	17457	5.511	ug/l	96
4) Vinyl Chloride	2.19	62	19276	5.502	ug/l	99
5) Bromomethane	2.57	94	15731	5.566	ug/l	94
6) Chloroethane	2.71	64	13669	6.017	ug/l	96
7) Trichlorofluoromethane	3.02	101	23031	5.828	ug/l	97
8) Diethyl Ether	3.41	74	8433	5.735	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	14146	6.280	ug/l #	82
10) Methyl Iodide	3.96	142	14572	4.510	ug/l #	93
11) Tert butyl alcohol	4.77	59	2323	14.868	ug/l #	75
12) 1,1-Dichloroethene	3.74	96	12344	5.763	ug/l	90
13) Acrolein	3.61	56	3767	22.478	ug/l #	80
14) Allyl chloride	4.33	41	26164	5.989	ug/l #	87
15) Acrylonitrile	5.00	53	27620	29.643	ug/l #	92
16) Acetone	3.82	43	20007	26.056	ug/l	93
17) Carbon Disulfide	4.06	76	36249	5.199	ug/l #	94
18) Methyl Acetate	4.32	43	14473	6.067	ug/l #	67
19) Methyl tert-butyl Ether	5.04	73	40972	5.720	ug/l	98
20) Methylene Chloride	4.55	84	16347	6.189	ug/l	88
21) trans-1,2-Dichloroethene	5.05	96	14578	5.997	ug/l #	87
22) Diisopropyl ether	5.95	45	53314	5.467	ug/l #	91
23) Vinyl Acetate	5.90	43	180781	28.027	ug/l	97
24) 1,1-Dichloroethane	5.85	63	30657	5.710	ug/l	98
25) 2-Butanone	6.83	43	33218	30.634	ug/l	93
26) 2,2-Dichloropropane	6.83	77	22141	5.052	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	16600	5.510	ug/l	94
28) Bromochloromethane	7.20	49	14903	5.069	ug/l	96
29) Tetrahydrofuran	7.21	42	21469	27.751	ug/l	97
30) Chloroform	7.37	83	29089	5.308	ug/l	95
31) Cyclohexane	7.66	56	33836	3.971	ug/l #	88
32) 1,1,1-Trichloroethane	7.57	97	22317	5.358	ug/l #	92
36) 1,1-Dichloropropene	7.79	75	22400	5.405	ug/l #	71
37) Ethyl Acetate	6.93	43	15841	6.411	ug/l #	73
38) Carbon Tetrachloride	7.77	117	17273	5.019	ug/l	99

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 Data File : VN052056.D
 Acq On : 30 Oct 2018 9:52
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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 31 02:24:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:21:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	25367	5.128	ug/l	94
40) Benzene	8.05	78	65630	5.599	ug/l	100
41) Methacrylonitrile	7.16	41	5511	5.812	ug/l #	69
42) 1,2-Dichloroethane	8.12	62	24826	5.336	ug/l	97
43) Isopropyl Acetate	8.16	43	27442	5.737	ug/l #	84
44) Trichloroethene	8.83	130	14155	5.485	ug/l	93
45) 1,2-Dichloropropane	9.12	63	18409	5.190	ug/l	92
46) Dibromomethane	9.21	93	10435	5.765	ug/l	96
47) Bromodichloromethane	9.40	83	21066	5.575	ug/l	98
48) Methyl methacrylate	9.20	41	14477	5.988	ug/l	93
49) 1,4-Dioxane	9.19	88	1352	112.658	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	74330	28.667	ug/l	96
52) Toluene	10.16	92	37974	5.396	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	21201	5.240	ug/l	94
54) cis-1,3-Dichloropropene	9.84	75	23715	5.406	ug/l	91
55) 1,1,2-Trichloroethane	10.56	97	13927	5.531	ug/l	96
56) Ethyl methacrylate	10.43	69	18446	5.007	ug/l	93
57) 1,3-Dichloropropane	10.71	76	26584	5.739	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.70	63	53734	28.471	ug/l	99
59) 2-Hexanone	10.75	43	56661	30.427	ug/l	96
60) Dibromochloromethane	10.90	129	11821	4.938	ug/l	90
61) 1,2-Dibromoethane	11.00	107	12856	5.144	ug/l	99
64) Tetrachloroethene	10.63	164	12841	6.092	ug/l	88
65) Chlorobenzene	11.43	112	40420	5.375	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.51	131	11502	5.014	ug/l	93
67) Ethyl Benzene	11.51	91	72208	5.482	ug/l	99
68) m/p-Xylenes	11.62	106	50471	11.039	ug/l	92
69) o-Xylene	11.95	106	26361	5.911	ug/l	100
70) Styrene	11.96	104	40074	5.450	ug/l	96
71) Bromoform	12.13	173	6113	5.007	ug/l #	84
73) Isopropylbenzene	12.25	105	67139	5.970	ug/l	97
74) N-amyl acetate	12.07	43	22684	5.307	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	16389	5.781	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	20177	8.349	ug/l #	100
77) Bromobenzene	12.53	156	13347	5.474	ug/l	91
78) n-propylbenzene	12.59	91	79442	5.620	ug/l	99
79) 2-Chlorotoluene	12.67	91	49361	6.218	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	53667	5.742	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	3253	4.392	ug/l #	66
82) 4-Chlorotoluene	12.77	91	47696	5.938	ug/l	99
83) tert-Butylbenzene	12.99	119	44571	5.604	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	53583	5.865	ug/l	100
85) sec-Butylbenzene	13.17	105	63369	5.633	ug/l	100
86) p-Isopropyltoluene	13.29	119	50046	5.485	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	25087	5.629	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	25177	5.550	ug/l	95
89) n-Butylbenzene	13.61	91	48739	5.529	ug/l	99
90) Hexachloroethane	13.87	117	8014	5.039	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	24442	5.982	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	1908	7.362	ug/l	86

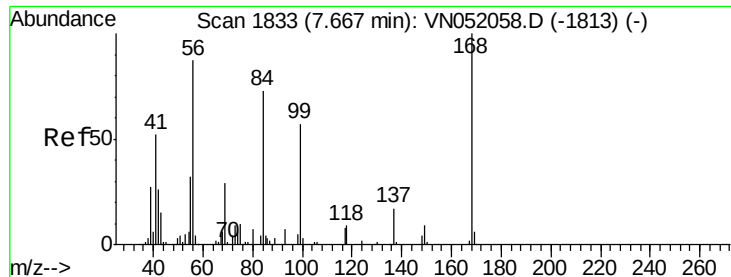
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN103018\
Data File : VN052056.D
Acq On : 30 Oct 2018 9:52
Operator : MD\SY
Sample : VSTDICC005
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Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 31 02:24:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 31 02:21:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	7691	5.214	ug/l	92
94) Hexachlorobutadiene	15.01	225	5591	6.472	ug/l	86
95) Naphthalene	15.14	128	18308	4.682	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	6635	4.954	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

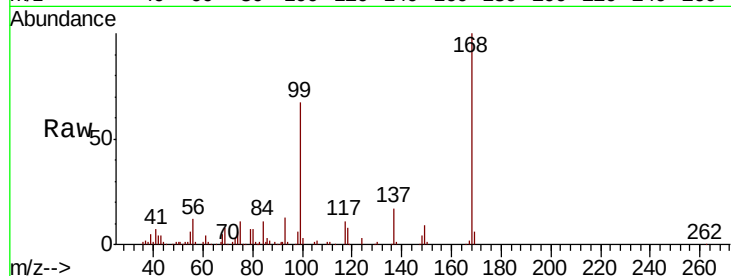
ClientSampled :

Tgt Ion:168 Resp: 218807

Ion Ratio Lower Upper

168 100

99 66.7 56.6 85.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

100000

80000

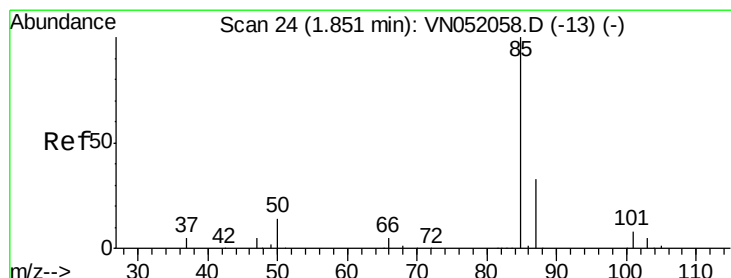
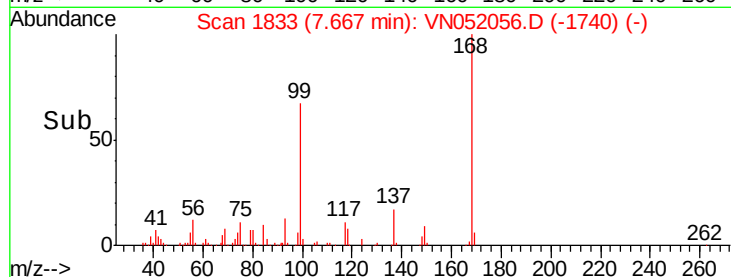
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 4.513 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052056.D

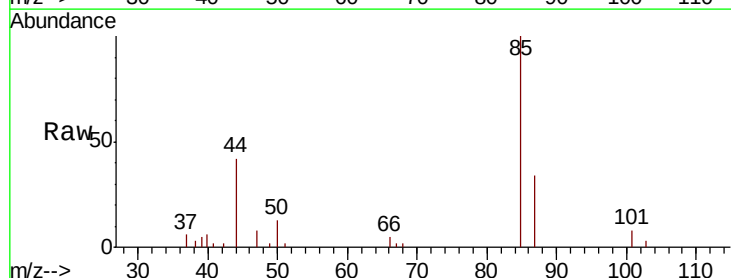
Acq: 30 Oct 2018 9:52

Tgt Ion: 85 Resp: 11392

Ion Ratio Lower Upper

85 100

87 33.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

8000

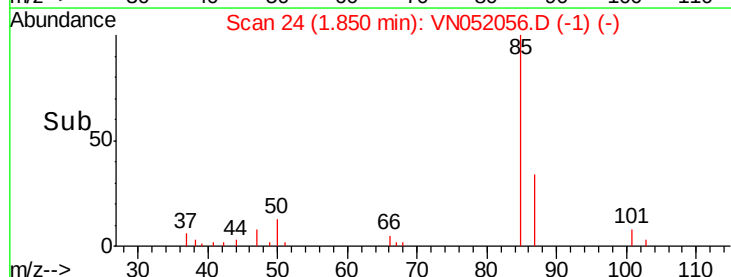
6000

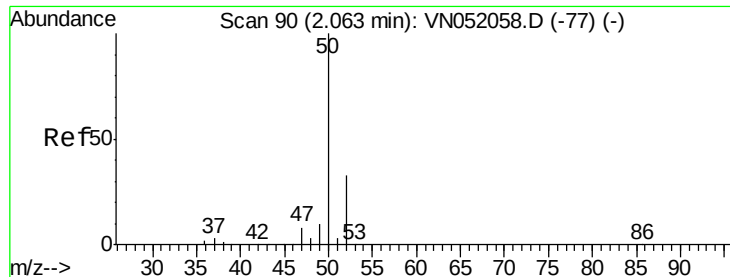
4000

2000

0

Time-->





#3

Chloromethane

Concen: 5.511 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

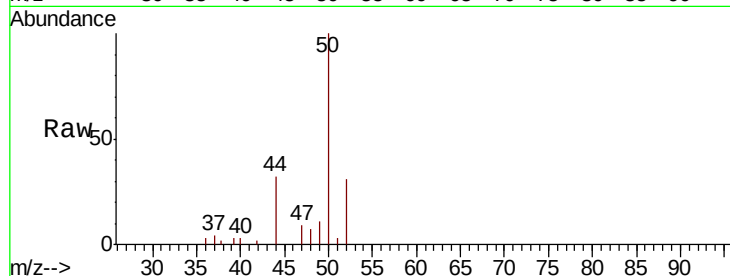
ClientSampled :

Tgt Ion: 50 Resp: 17457

Ion Ratio Lower Upper

50 100

52 31.0 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

10000

8000

6000

4000

2000

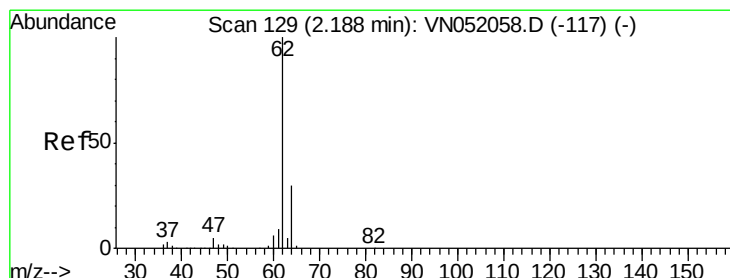
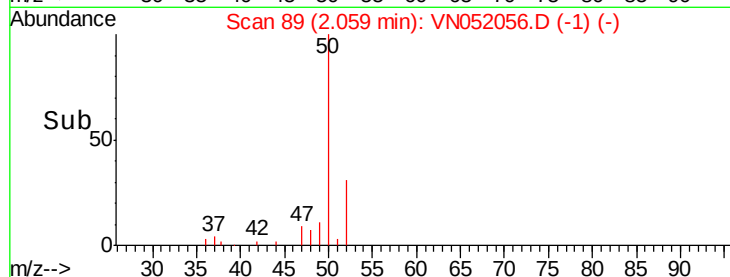
0

Time-->

2.00

2.05

2.10



#4

Vinyl Chloride

Concen: 5.502 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052056.D

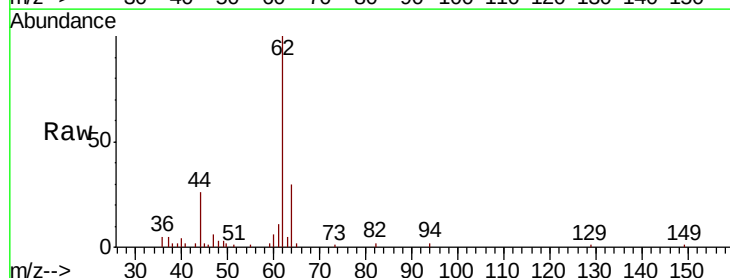
Acq: 30 Oct 2018 9:52

Tgt Ion: 62 Resp: 19276

Ion Ratio Lower Upper

62 100

64 30.3 23.7 35.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

10000

5000

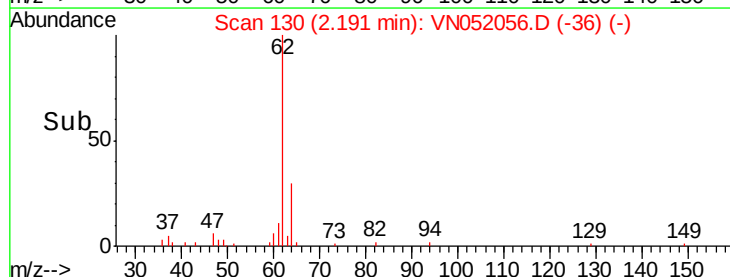
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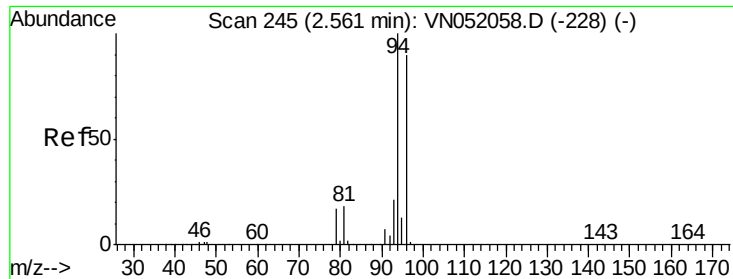
Time-->

2.15

2.20

2.25





#5

Bromomethane

Concen: 5.566 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

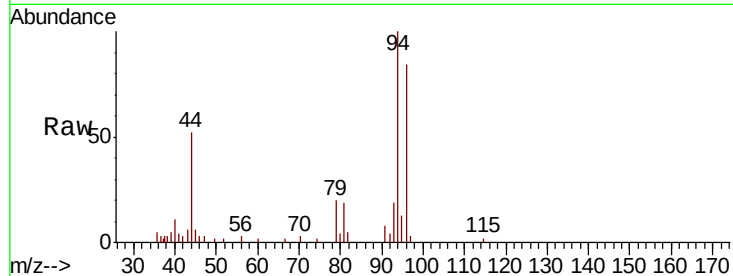
ClientSampled :

Tgt Ion: 94 Resp: 15731

Ion Ratio Lower Upper

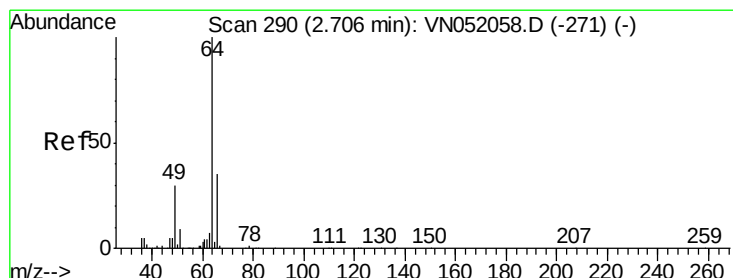
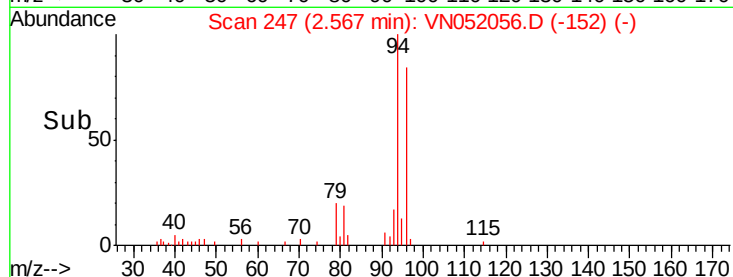
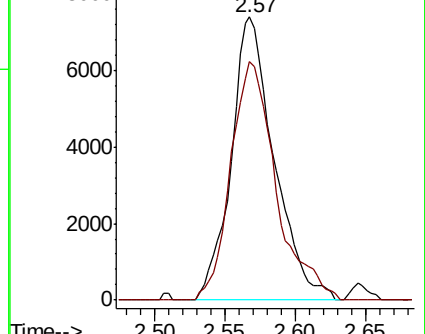
94 100

96 84.2 71.8 107.6



Abundance Ion 93.90 (93.60 to 94.60): VN052058.D (-228) (-)

Ion 95.90 (95.60 to 96.60): VN052058.D (-228) (-)



#6

Chloroethane

Concen: 6.017 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052056.D

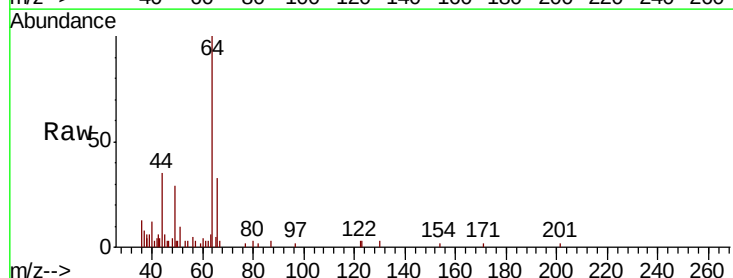
Acq: 30 Oct 2018 9:52

Tgt Ion: 64 Resp: 13669

Ion Ratio Lower Upper

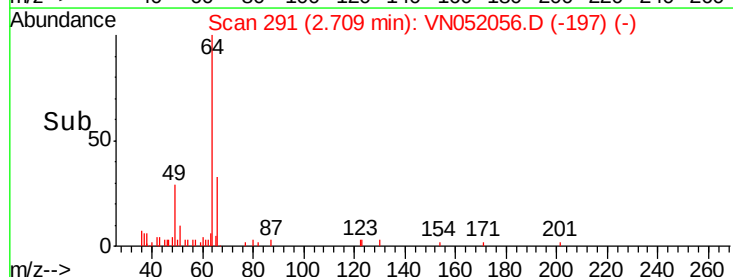
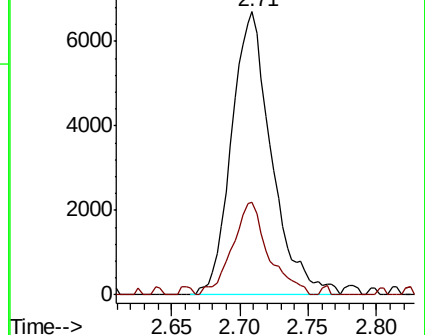
64 100

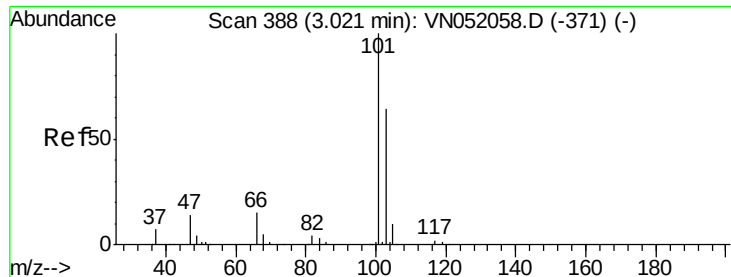
66 32.7 27.9 41.9



Abundance Ion 63.90 (63.60 to 64.60): VN052058.D (-271) (-)

Ion 65.90 (65.60 to 66.60): VN052058.D (-271) (-)



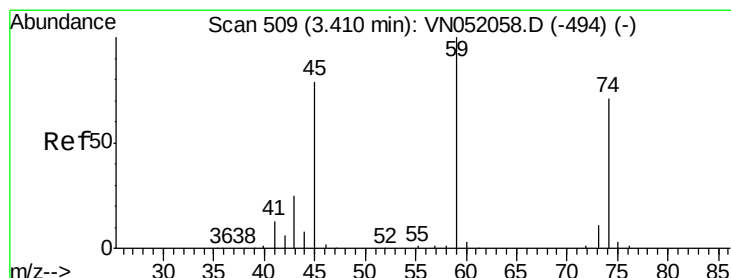
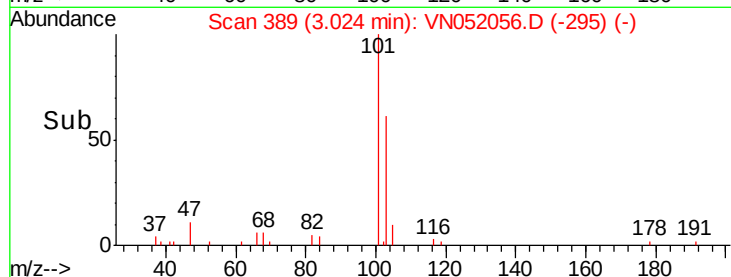
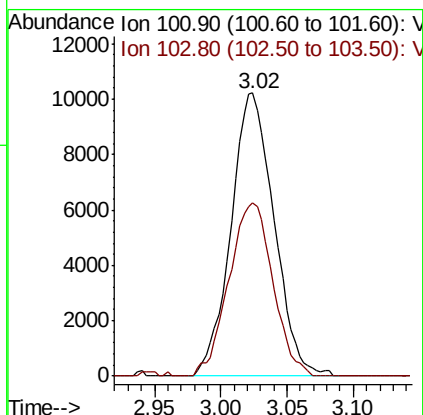
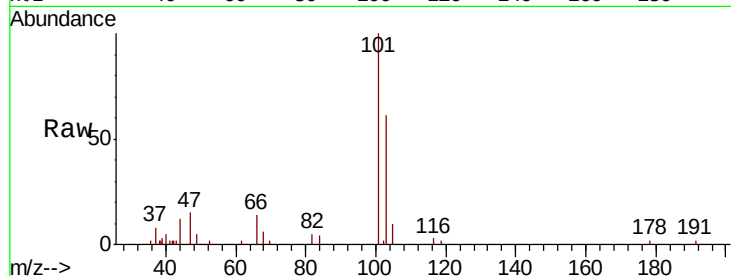


#7

Trichlorofluoromethane
 Concen: 5.828 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052056.D
 Acq: 30 Oct 2018 9:52

Instrument :
 MSVOA_N
 ClientSampleId :

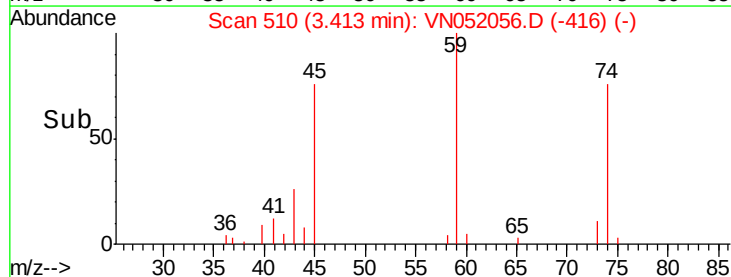
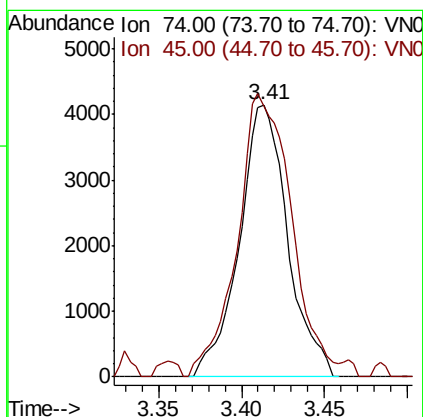
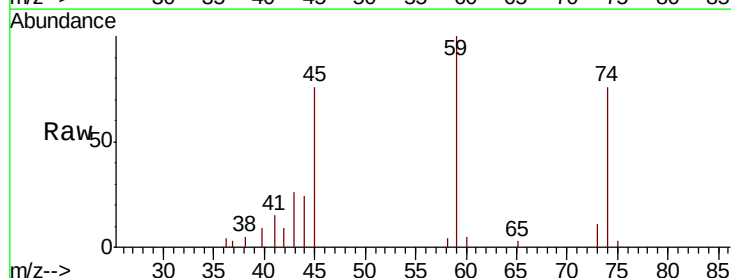
Tgt Ion: 101 Resp: 23031
 Ion Ratio Lower Upper
 101 100
 103 61.0 51.0 76.4

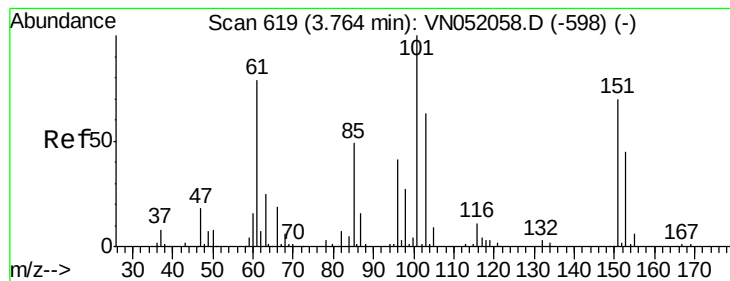


#8

Diethyl Ether
 Concen: 5.735 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052056.D
 Acq: 30 Oct 2018 9:52

Tgt Ion: 74 Resp: 8433
 Ion Ratio Lower Upper
 74 100
 45 115.8 55.6 166.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.280 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampled :

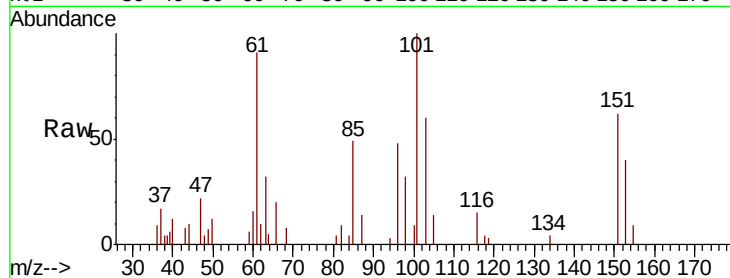
Tgt Ion:101 Resp: 14146

Ion Ratio Lower Upper

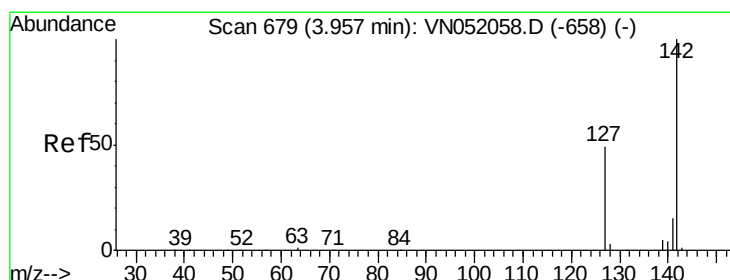
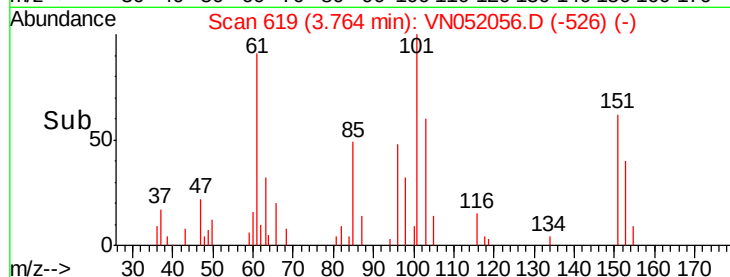
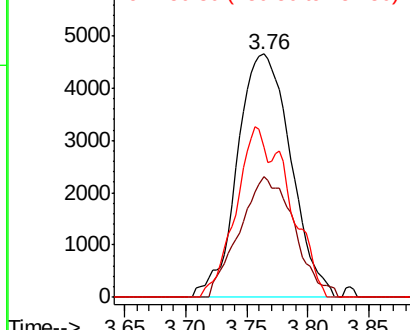
101 100

85 50.7 38.6 58.0

151 43.3 52.6 78.8#



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



#10

Methyl Iodide

Concen: 4.510 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

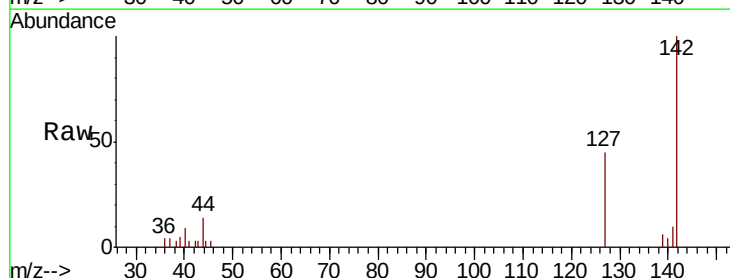
Tgt Ion:142 Resp: 14572

Ion Ratio Lower Upper

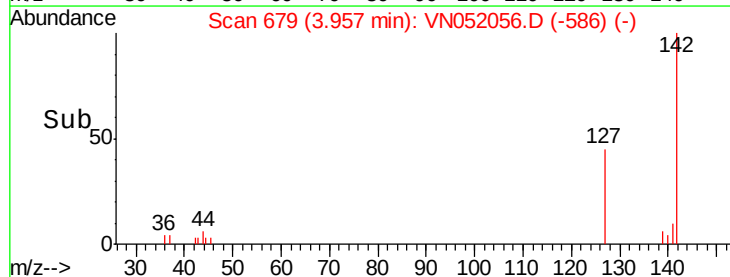
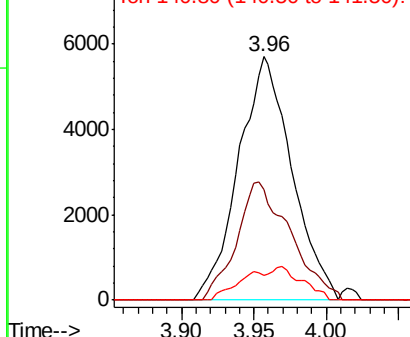
142 100

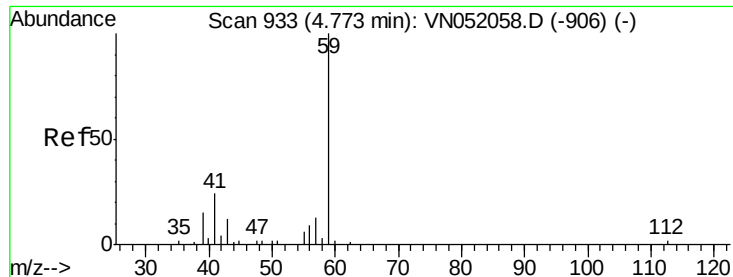
127 48.9 37.3 55.9

141 6.1 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



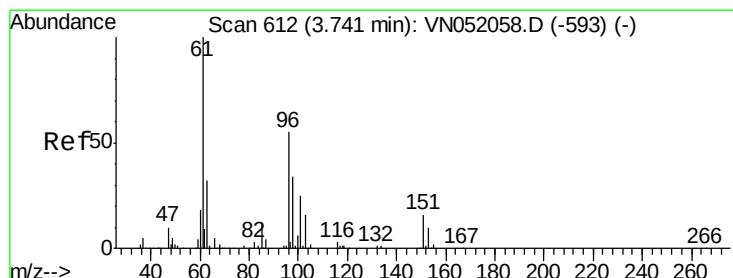
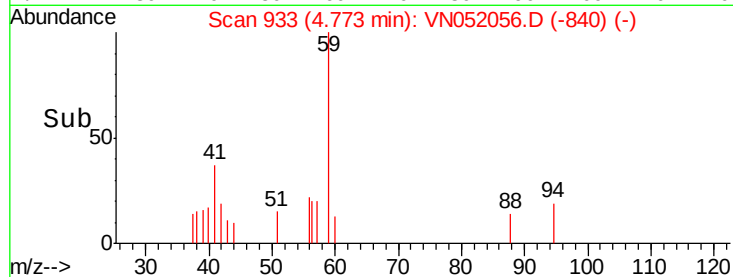
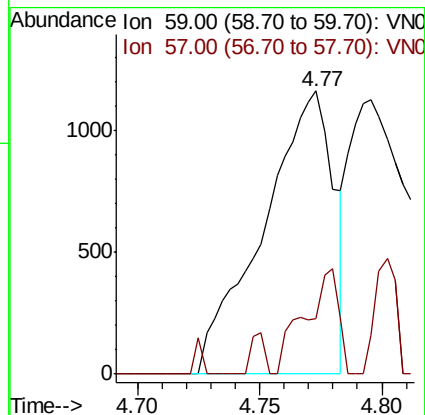
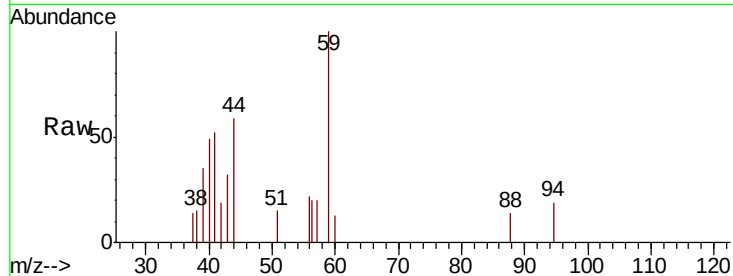


#11

Tert butyl alcohol
 Concen: 14.868 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VN052056.D
 Acq: 30 Oct 2018 9:52

Instrument :
 MSVOA_N
 ClientSampled :

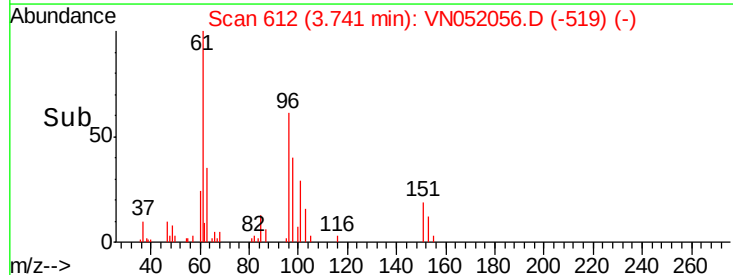
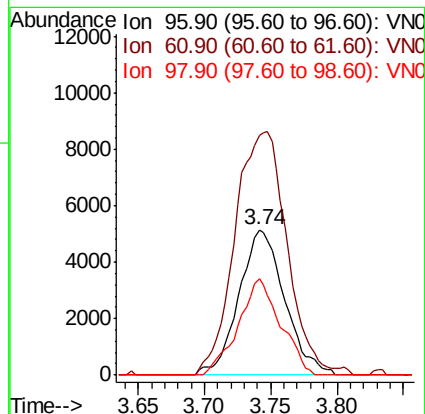
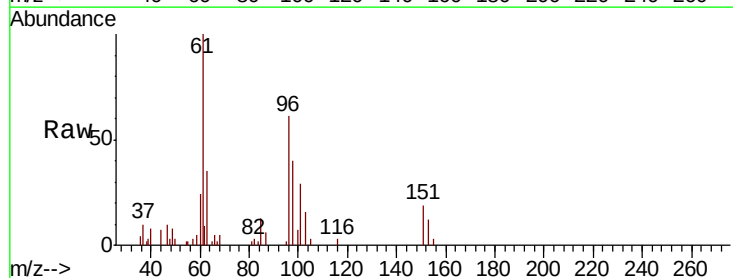
Tgt Ion: 59 Resp: 2323
 Ion Ratio Lower Upper
 59 100
 57 18.0 7.0 10.6#

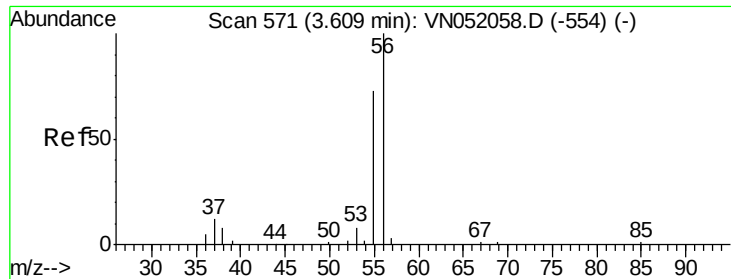


#12

1,1-Dichloroethene
 Concen: 5.763 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN052056.D
 Acq: 30 Oct 2018 9:52

Tgt Ion: 96 Resp: 12344
 Ion Ratio Lower Upper
 96 100
 61 164.8 145.7 218.5
 98 65.9 49.8 74.8





#13

Acrolein

Concen: 22.478 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

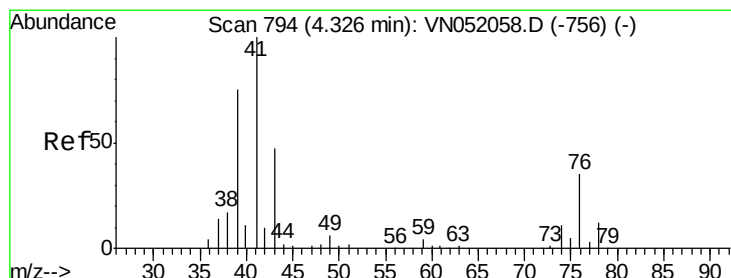
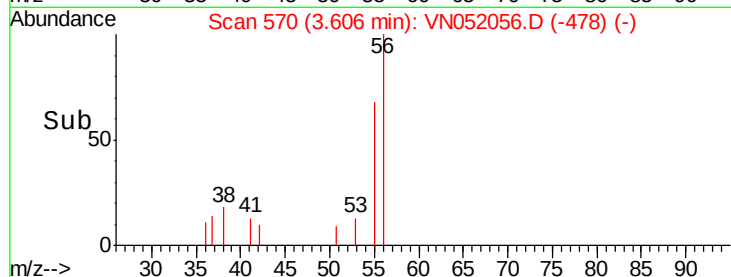
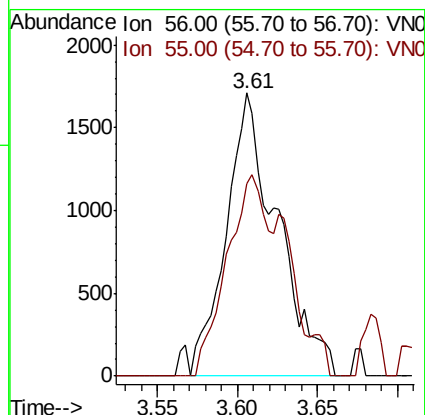
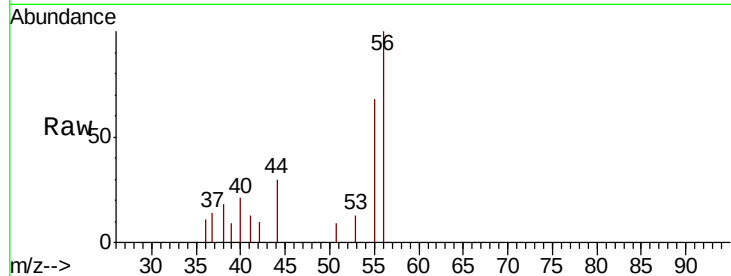
ClientSampleId :

Tgt Ion: 56 Resp: 3767

Ion Ratio Lower Upper

56 100

55 57.6 59.9 89.9#



#14

Allyl chloride

Concen: 5.989 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

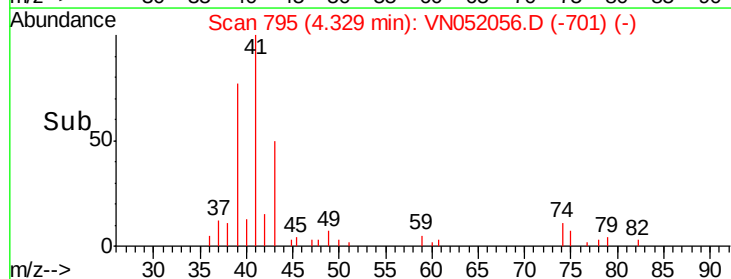
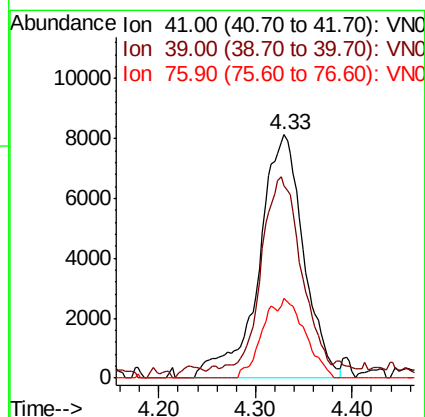
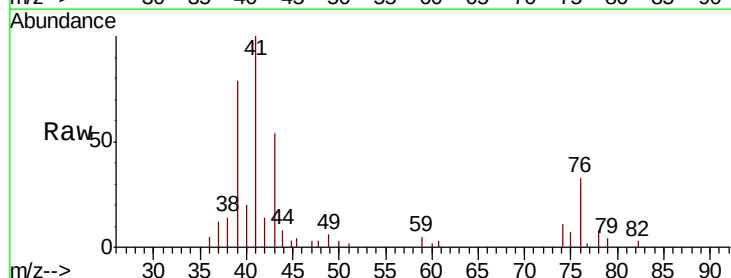
Tgt Ion: 41 Resp: 26164

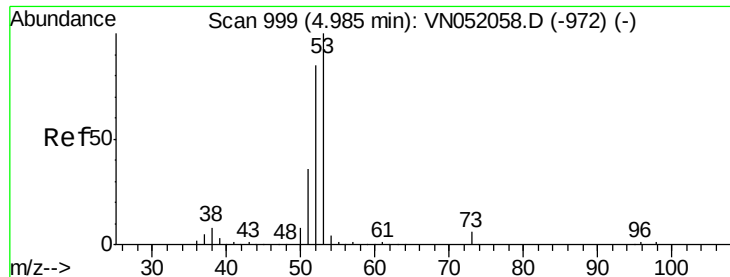
Ion Ratio Lower Upper

41 100

39 70.2 58.1 87.1

76 12.5 26.0 39.0#





#15

Acrylonitrile

Concen: 29.643 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

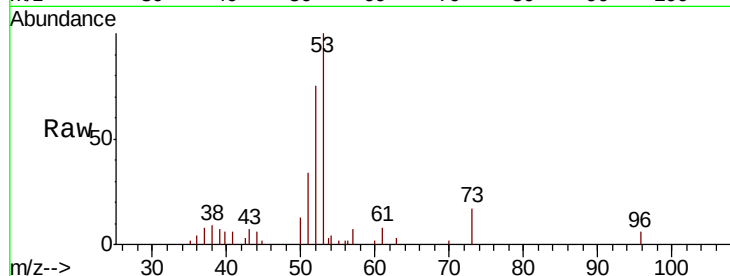
Tgt Ion: 53 Resp: 27620

Ion Ratio Lower Upper

53 100

52 83.3 66.6 100.0

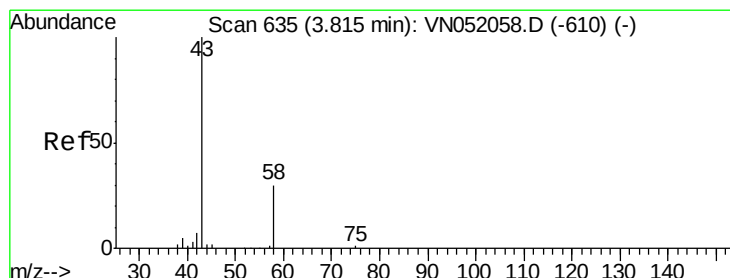
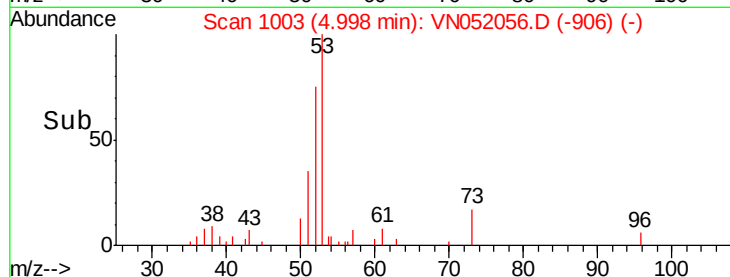
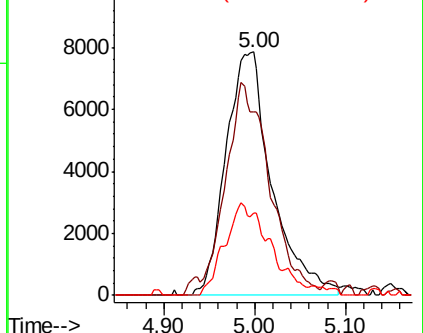
51 20.4 29.0 43.6#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 26.056 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052056.D

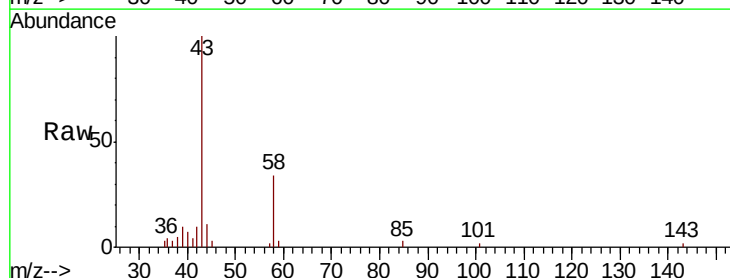
Acq: 30 Oct 2018 9:52

Tgt Ion: 43 Resp: 20007

Ion Ratio Lower Upper

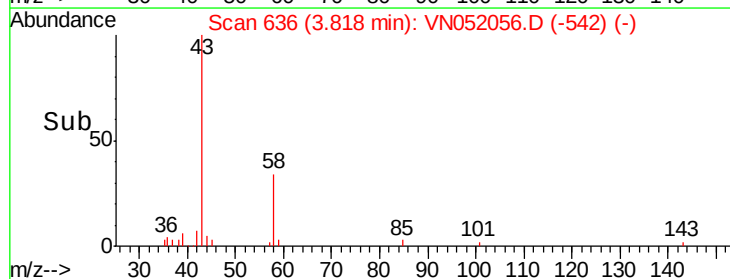
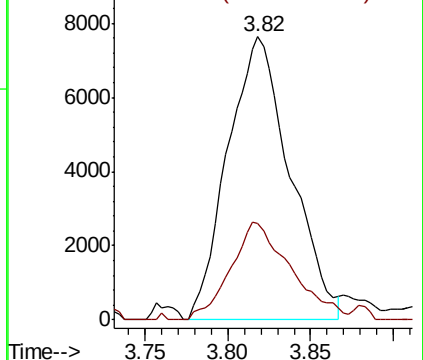
43 100

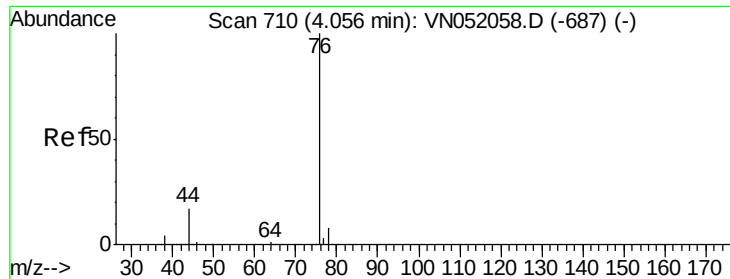
58 34.2 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 5.199 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

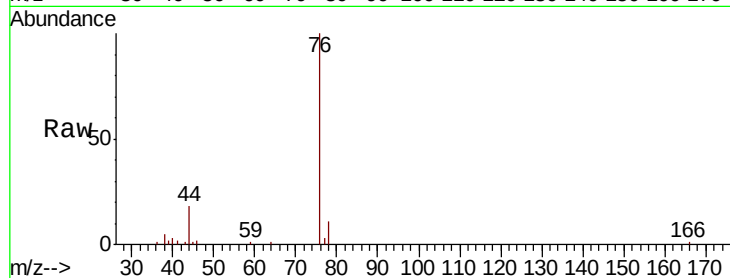
ClientSampleId :

Tgt Ion: 76 Resp: 36249

Ion Ratio Lower Upper

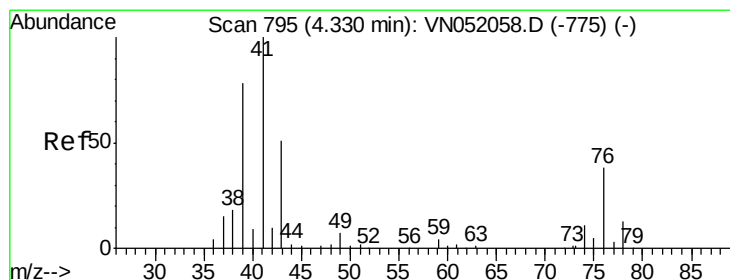
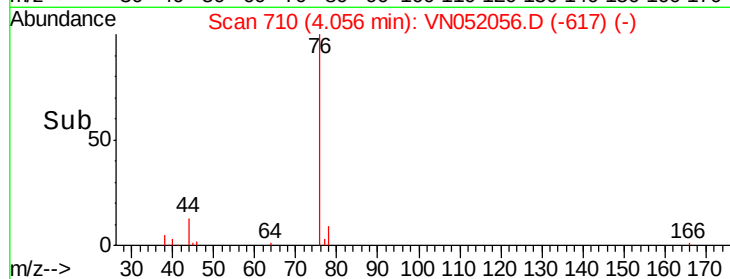
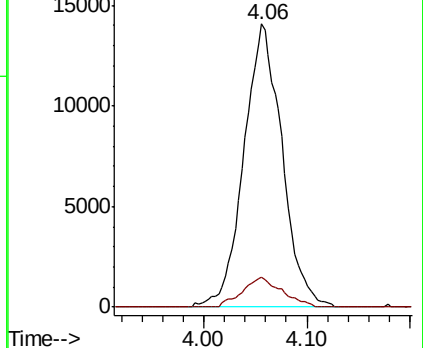
76 100

78 10.5 6.8 10.2#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 6.067 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.01 min

Lab File: VN052056.D

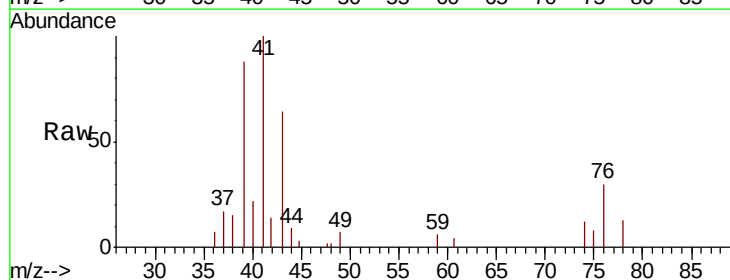
Acq: 30 Oct 2018 9:52

Tgt Ion: 43 Resp: 14473

Ion Ratio Lower Upper

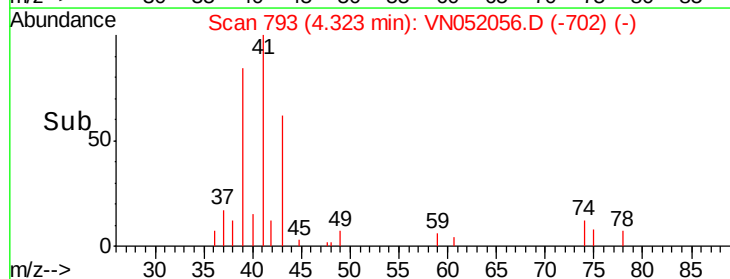
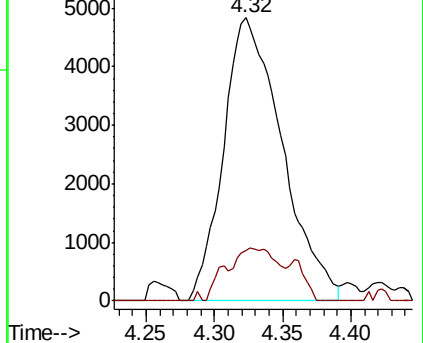
43 100

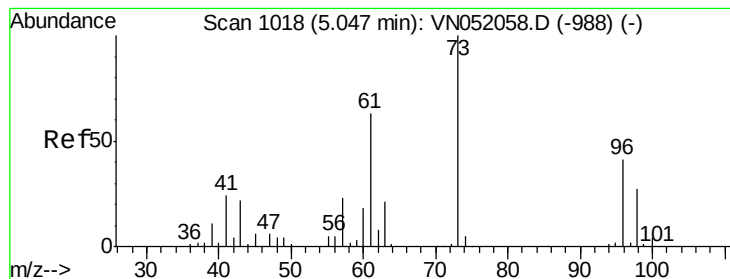
74 6.7 17.9 26.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



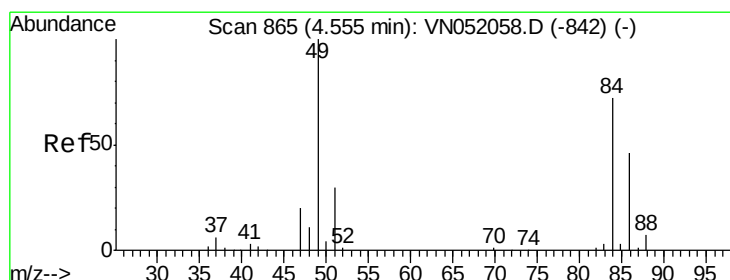
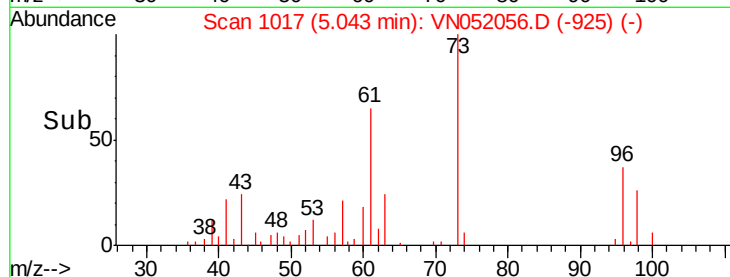
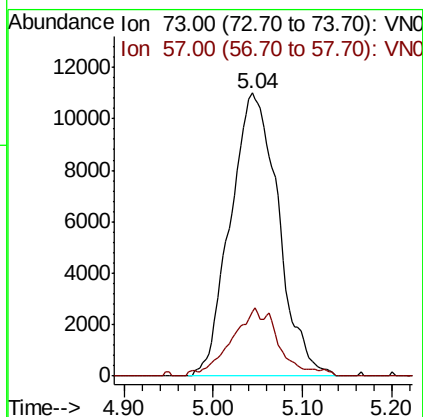
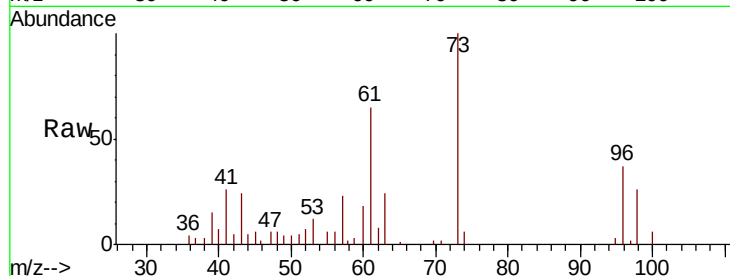


#19

Methyl tert-butyl Ether
 Concen: 5.720 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN052056.D
 Acq: 30 Oct 2018 9:52

Instrument :
 MSVOA_N
 ClientSampled :

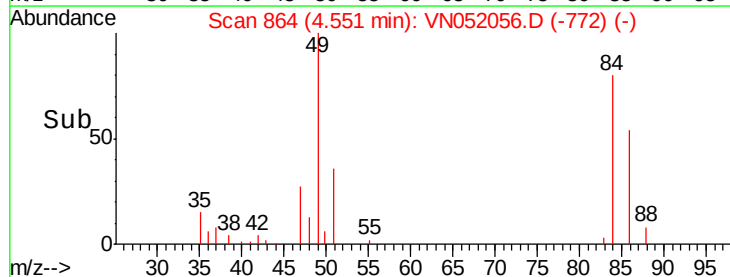
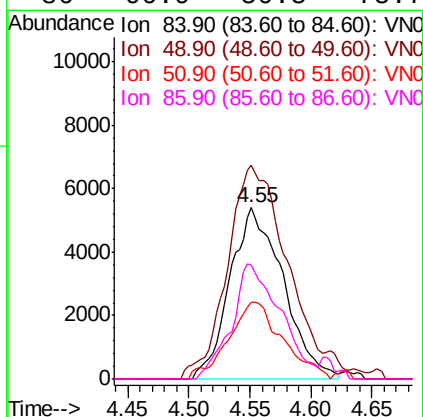
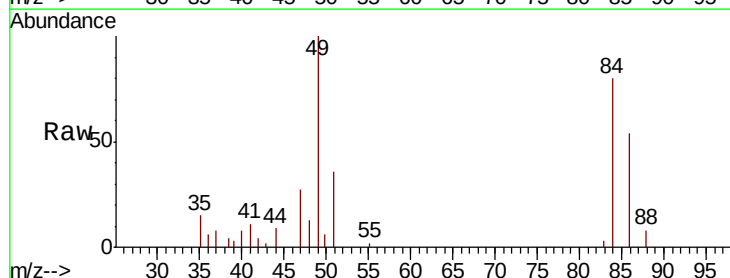
Tgt Ion: 73 Resp: 40972
 Ion Ratio Lower Upper
 73 100
 57 22.6 18.7 28.1

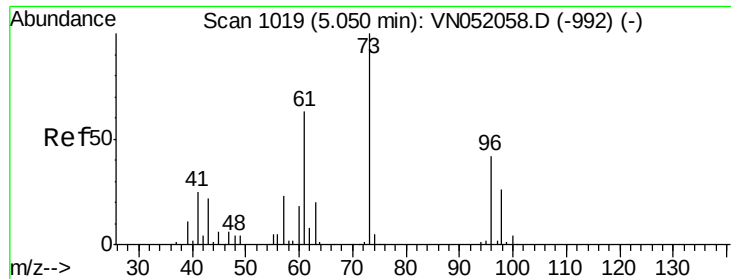


#20

Methylene Chloride
 Concen: 6.189 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VN052056.D
 Acq: 30 Oct 2018 9:52

Tgt Ion: 84 Resp: 16347
 Ion Ratio Lower Upper
 84 100
 49 117.6 110.6 165.8
 51 44.8 33.7 50.5
 86 66.9 50.5 75.7

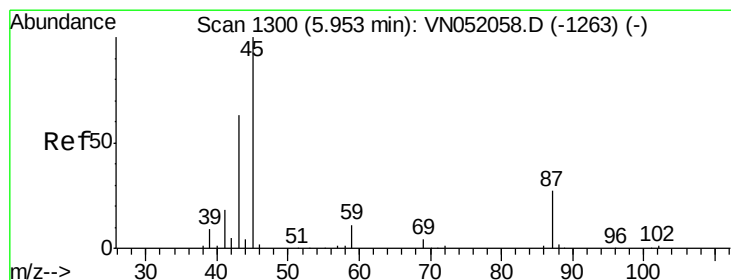
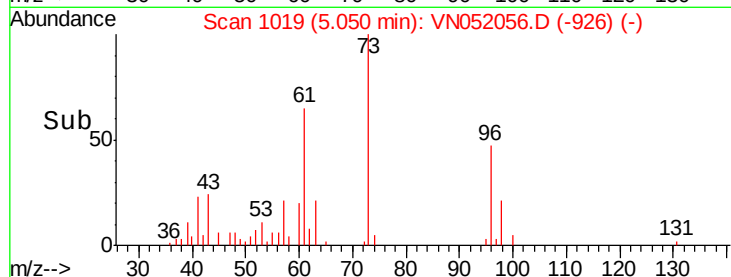
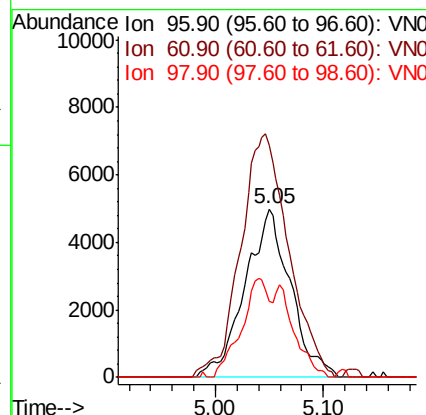
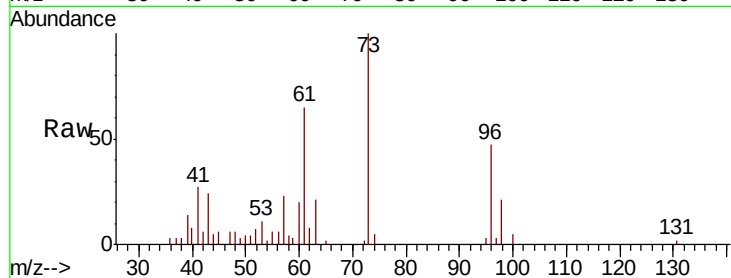




#21
trans-1,2-Dichloroethene
Concen: 5.997 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

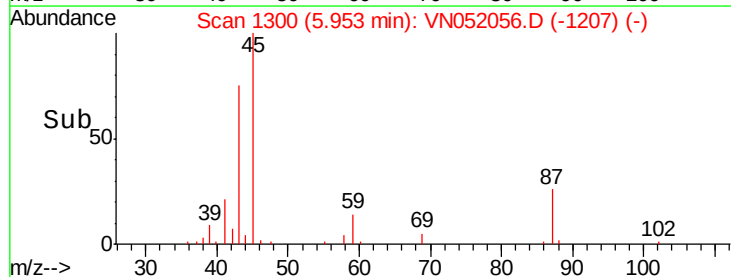
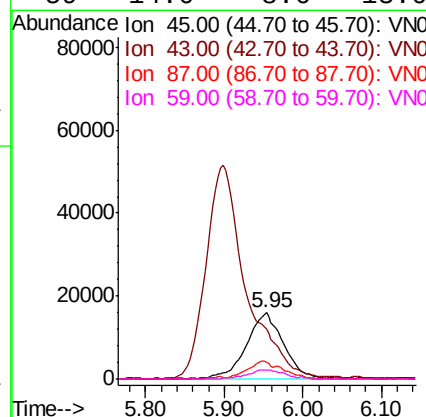
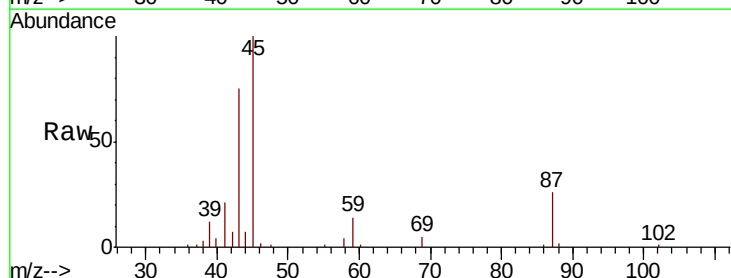
Instrument :
MSVOA_N
ClientSampled :

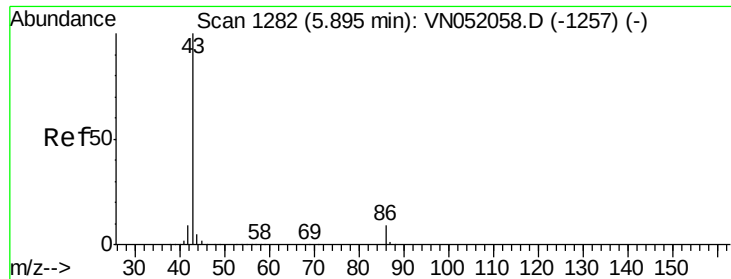
Tgt Ion: 96 Resp: 14578
Ion Ratio Lower Upper
96 100
61 137.5 118.6 178.0
98 45.0 49.7 74.5#



#22
Diisopropyl ether
Concen: 5.467 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Tgt Ion: 45 Resp: 53314
Ion Ratio Lower Upper
45 100
43 71.9 50.5 75.7
87 25.9 21.5 32.3
59 14.0 8.6 13.0#





#23

Vinyl Acetate

Concen: 28.027 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

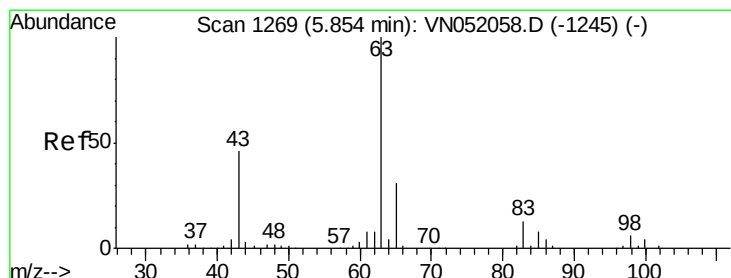
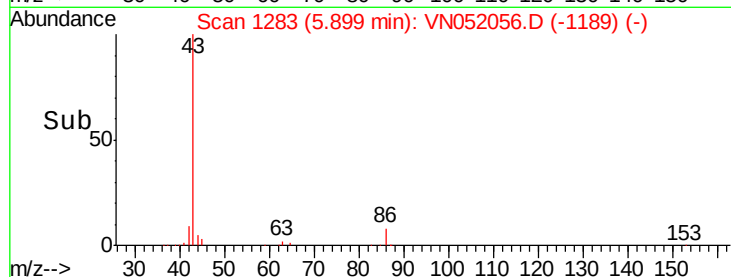
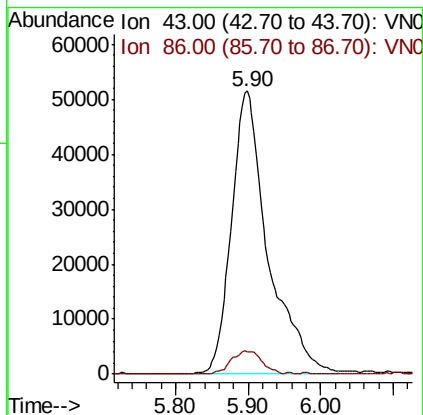
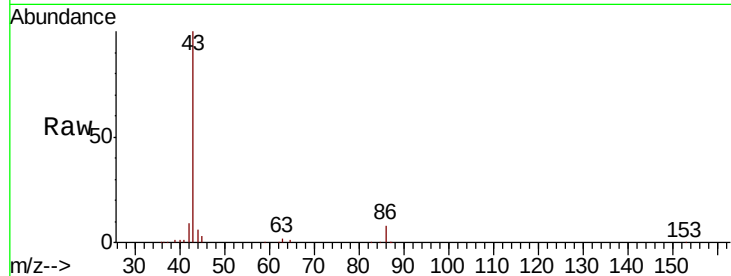
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 43 Resp: 180781

Ion Ratio Lower Upper

43 100

86 8.1 7.3 10.9



#24

1,1-Dichloroethane

Concen: 5.710 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

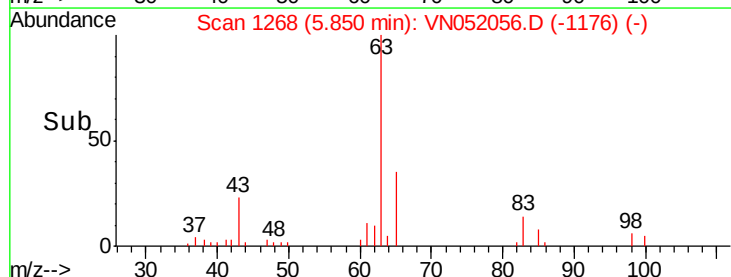
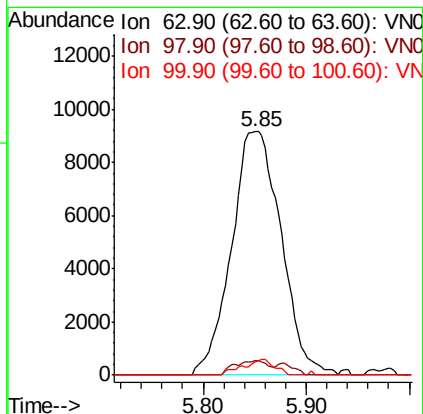
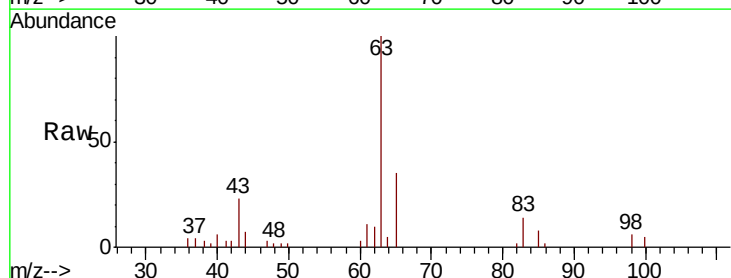
Tgt Ion: 63 Resp: 30657

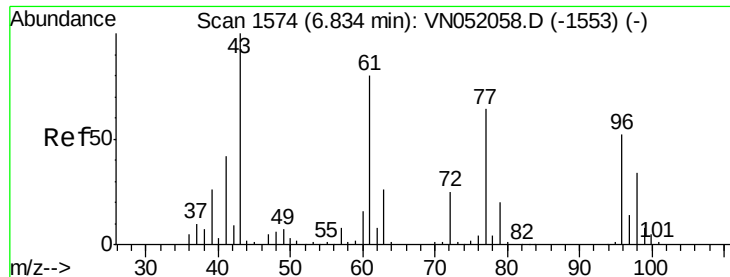
Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

100 5.3 2.0 6.0





#25

2-Butanone

Concen: 30.634 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

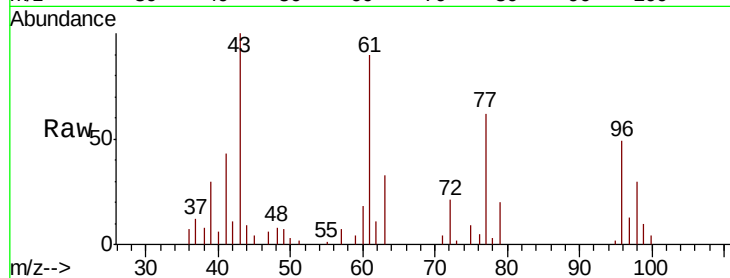
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 43 Resp: 33218

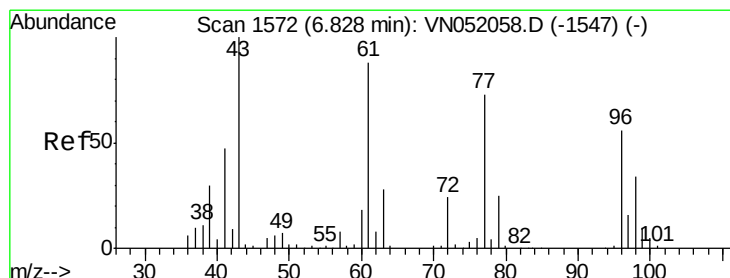
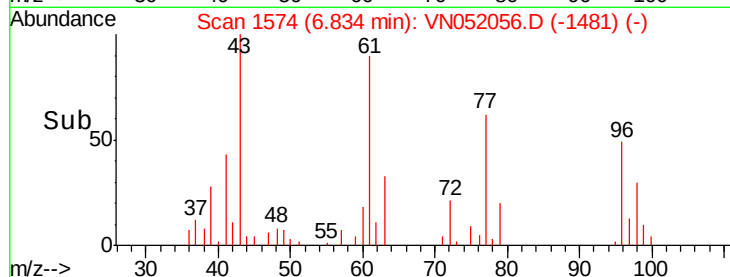
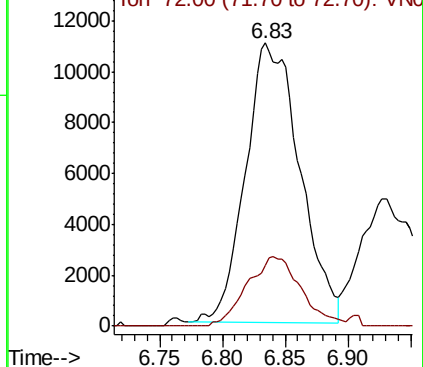
Ion Ratio Lower Upper

43 100

72 21.7 20.2 30.2



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



#26

2,2-Dichloropropane

Concen: 5.052 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052056.D

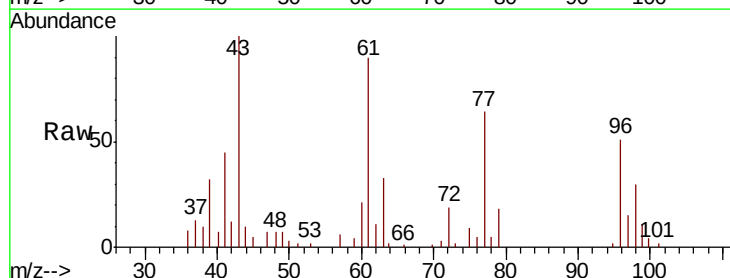
Acq: 30 Oct 2018 9:52

Tgt Ion: 77 Resp: 22141

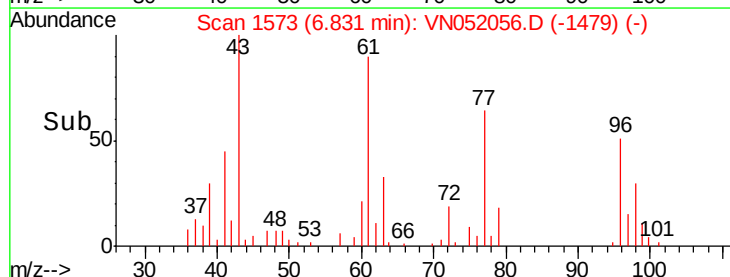
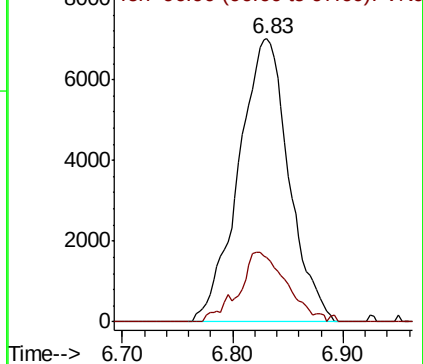
Ion Ratio Lower Upper

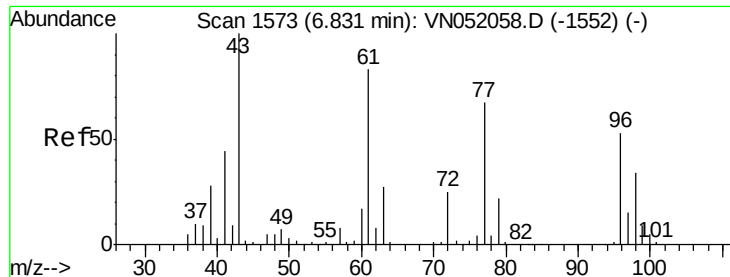
77 100

97 20.3 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VN0
Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 5.510 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :
MSVOA_N
ClientSampled :

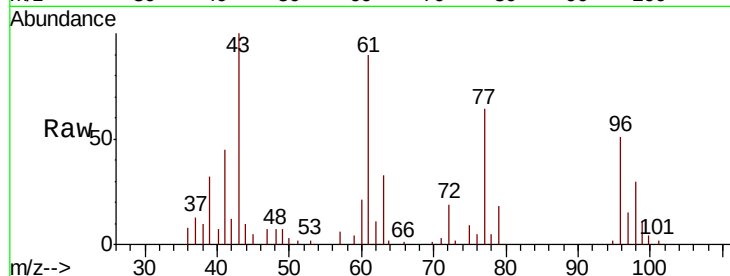
Tgt Ion: 96 Resp: 16600

Ion Ratio Lower Upper

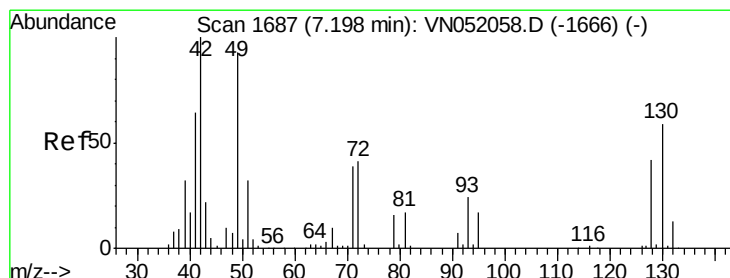
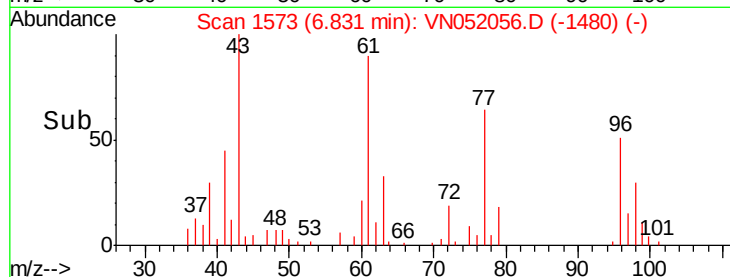
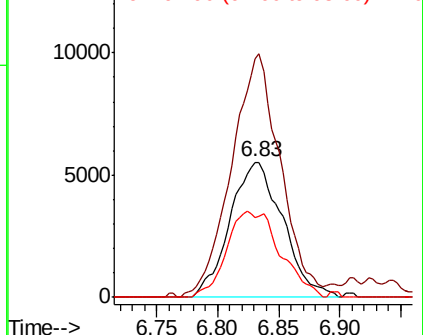
96 100

61 166.7 0.0 312.8

98 64.7 0.0 127.0



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



#28

Bromochloromethane

Concen: 5.069 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

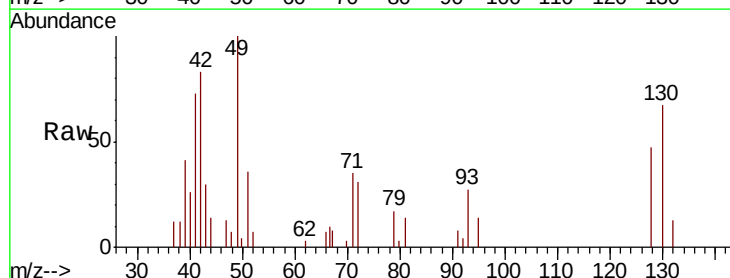
Tgt Ion: 49 Resp: 14903

Ion Ratio Lower Upper

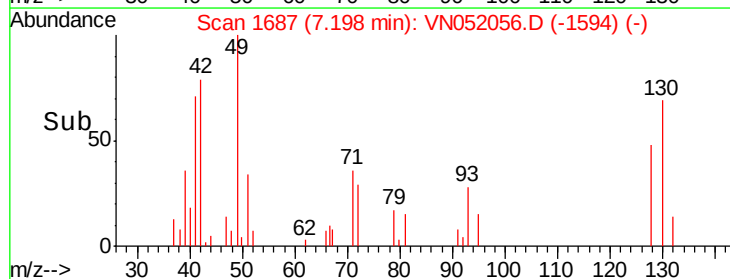
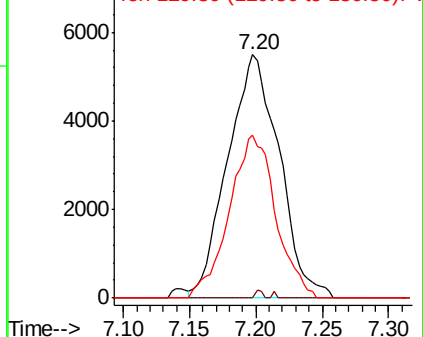
49 100

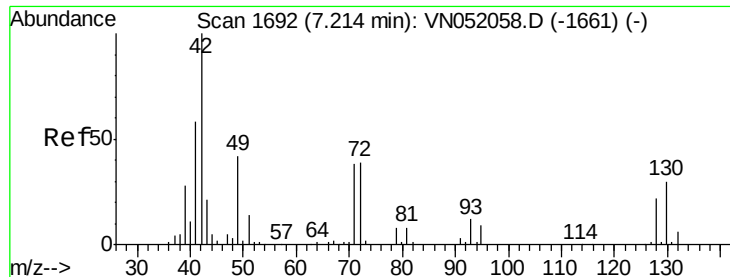
129 0.4 0.0 2.4

130 60.1 50.8 76.2



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

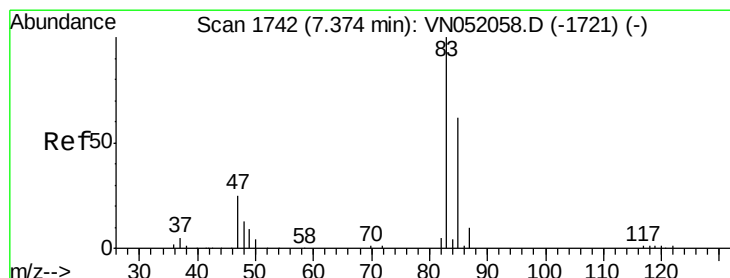
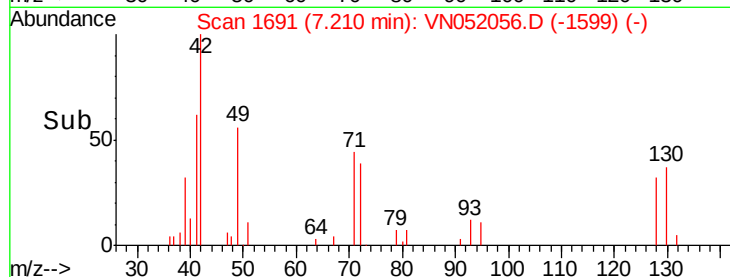
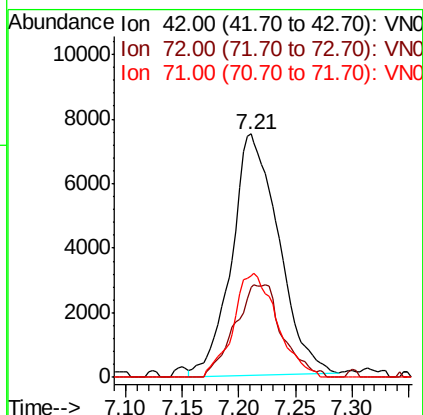
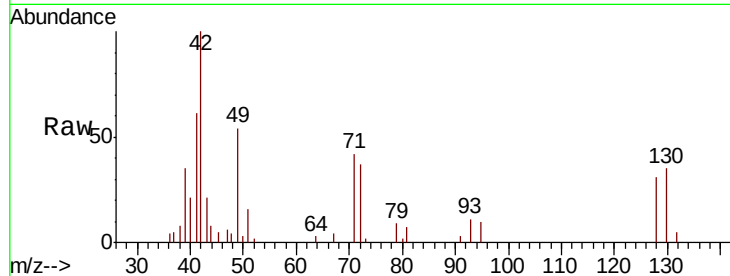




#29
Tetrahydrofuran
Concen: 27.751 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

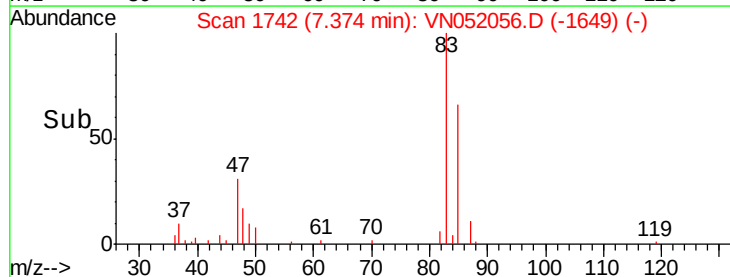
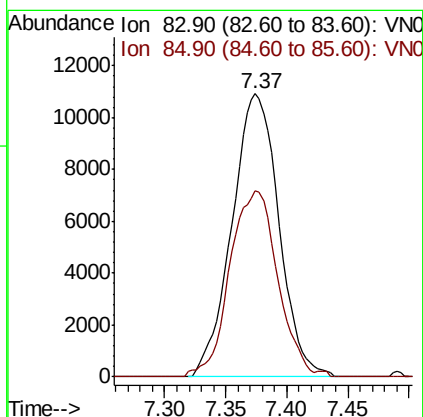
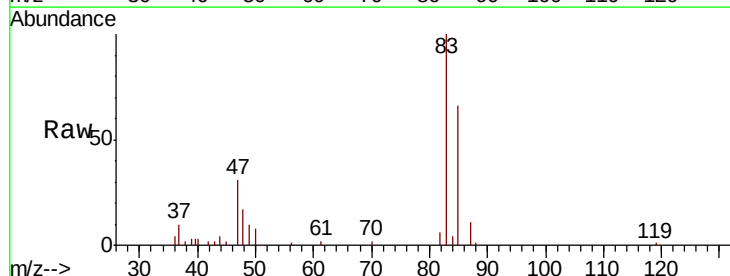
Instrument :
MSVOA_N
ClientSampled :

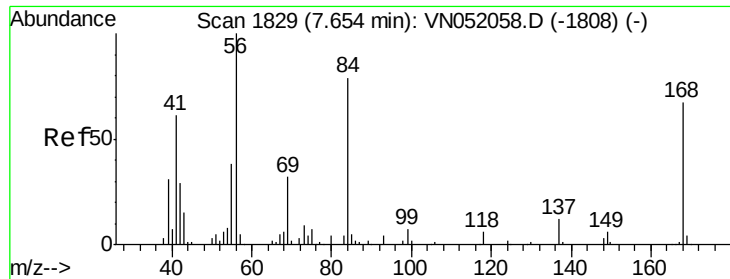
Tgt Ion: 42 Resp: 21469
Ion Ratio Lower Upper
42 100
72 38.8 32.5 48.7
71 40.3 30.6 46.0



#30
Chloroform
Concen: 5.308 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Tgt Ion: 83 Resp: 29089
Ion Ratio Lower Upper
83 100
85 65.9 49.6 74.4

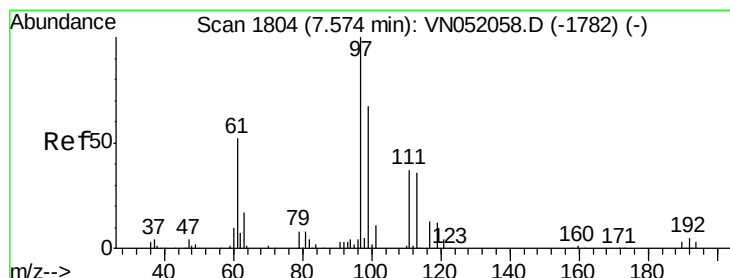
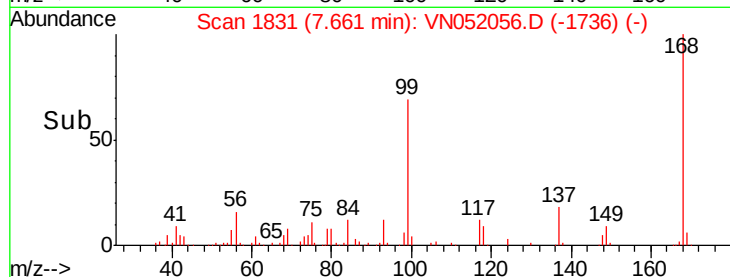
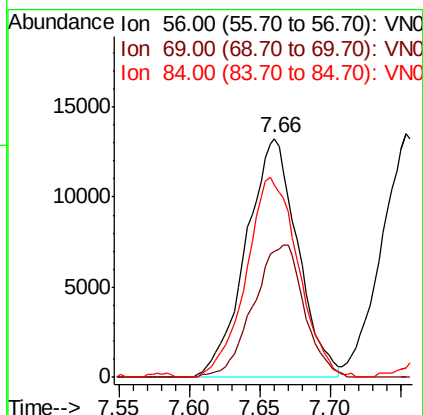
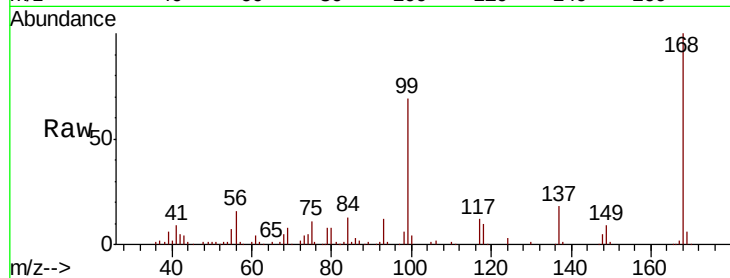




#31
Cyclohexane
Concen: 3.971 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

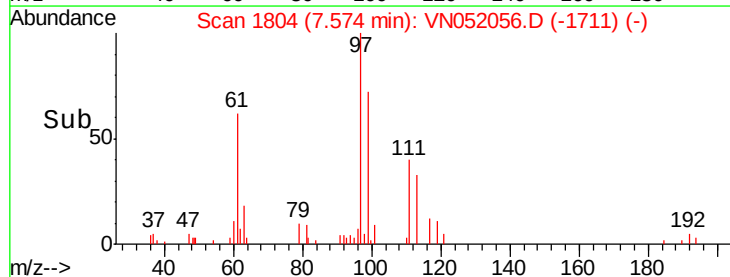
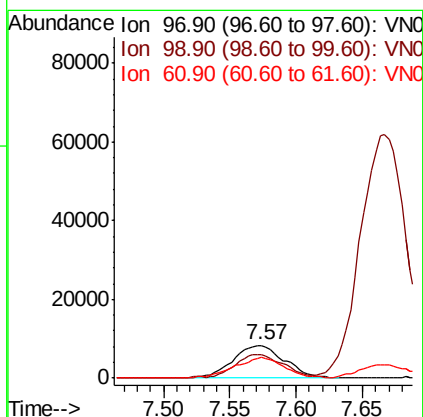
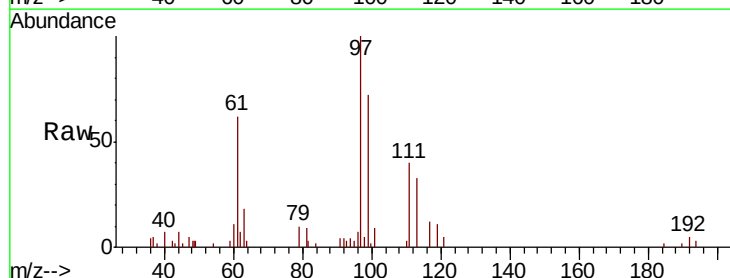
Instrument :
MSVOA_N
ClientSampleId :

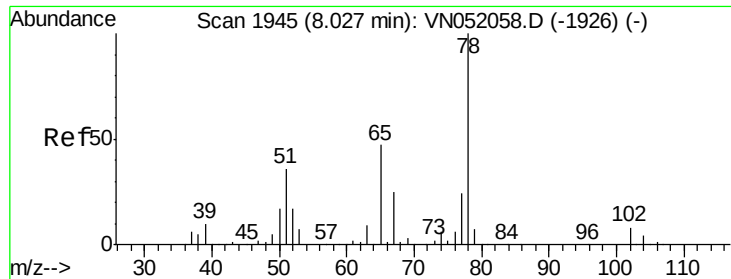
Tgt Ion: 56 Resp: 33836
Ion Ratio Lower Upper
56 100
69 52.9 25.8 38.6#
84 80.7 63.5 95.3



#32
1,1,1-Trichloroethane
Concen: 5.358 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Tgt Ion: 97 Resp: 22317
Ion Ratio Lower Upper
97 100
99 62.6 51.4 77.2
61 61.1 40.3 60.5#

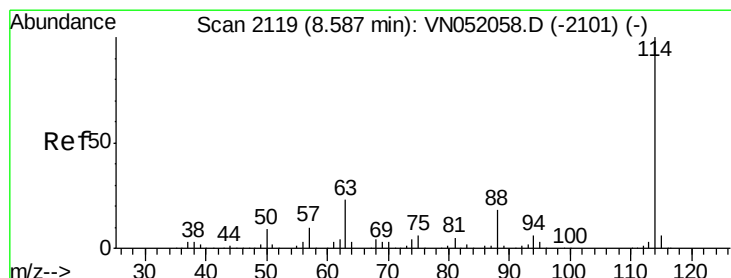
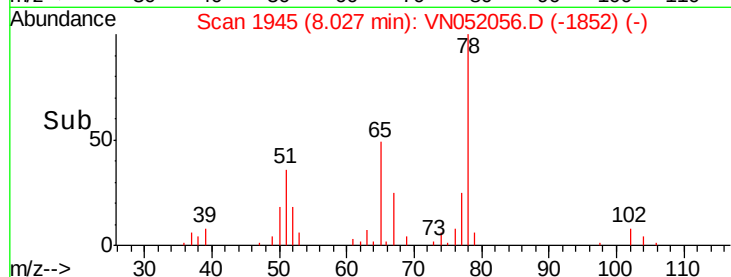
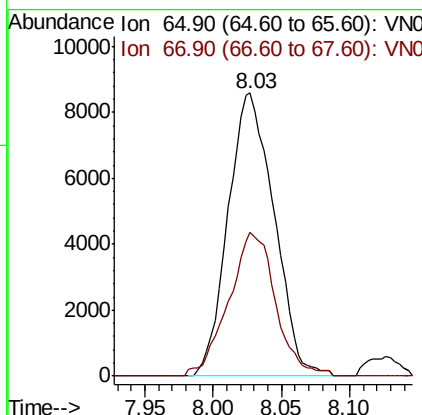
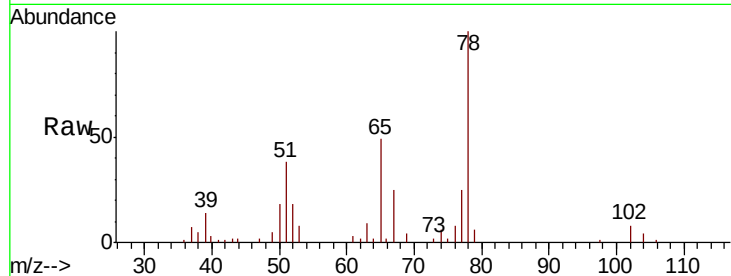




#33
 1,2-Dichloroethane-d4
 Concen: 5.358 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052056.D
 Acq: 30 Oct 2018 9:52

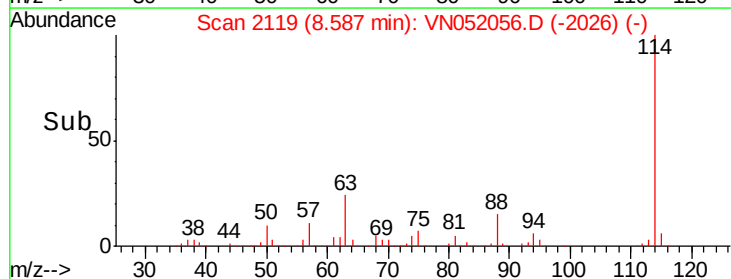
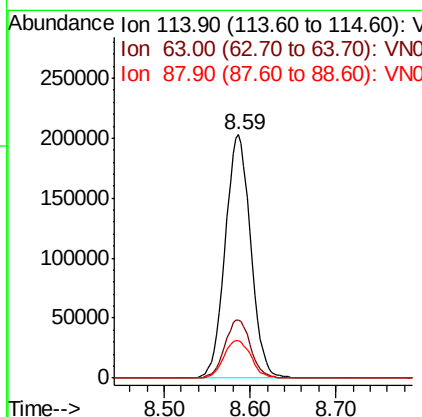
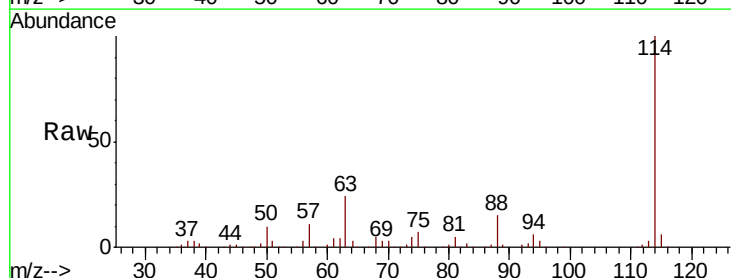
Instrument :
 MSVOA_N
 ClientSampled :

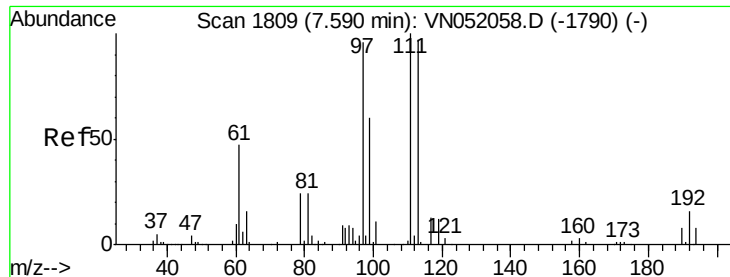
Tgt Ion: 65 Resp: 20107
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052056.D
 Acq: 30 Oct 2018 9:52

Tgt Ion: 114 Resp: 417357
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 46.0
 88 15.4 0.0 35.4

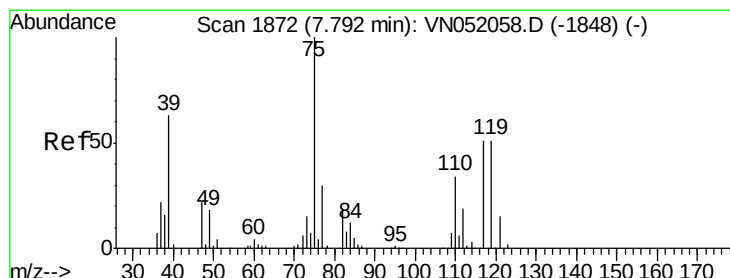
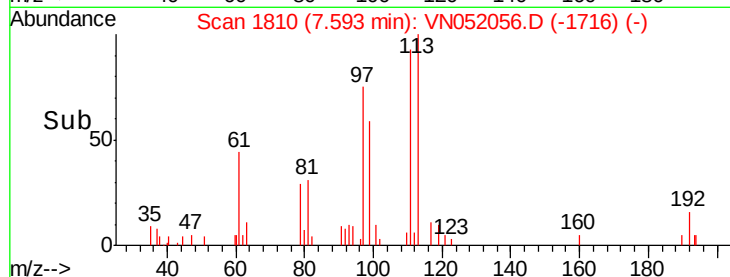
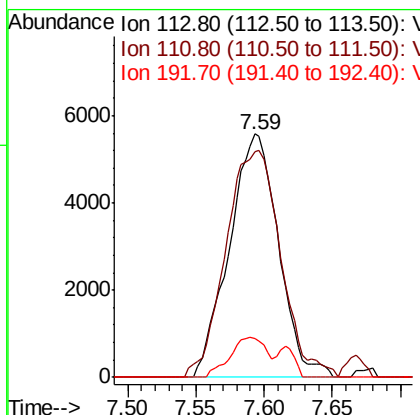
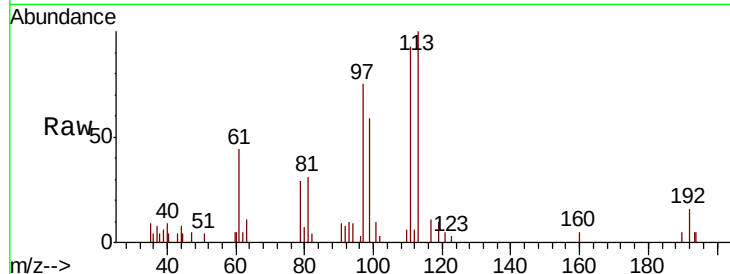




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052056.D
 Acq: 30 Oct 2018 9:52

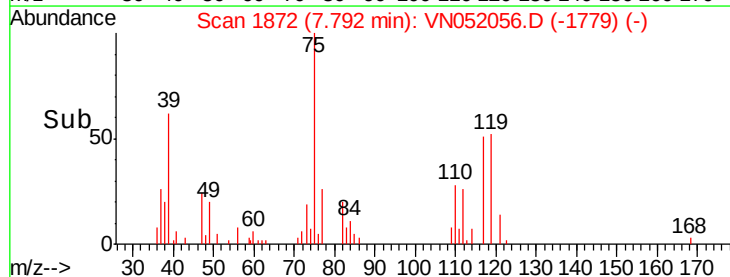
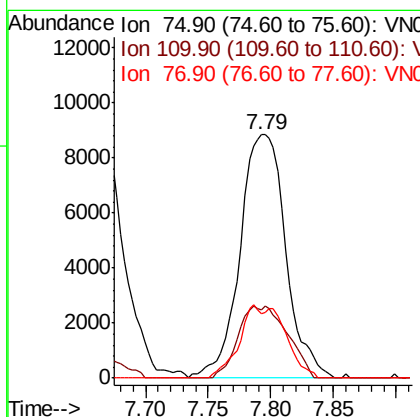
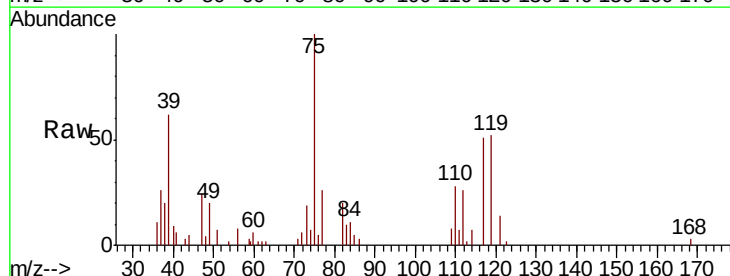
Instrument :
 MSVOA_N
 ClientSampleId :

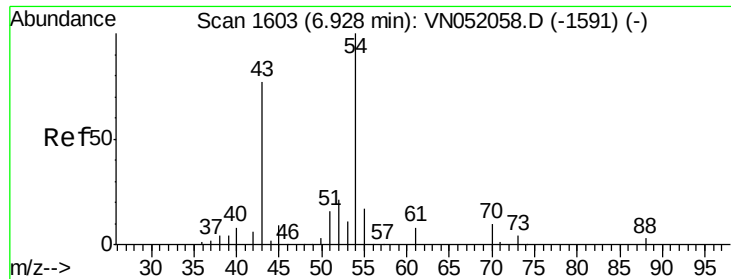
Tgt Ion:113 Resp: 14009
 Ion Ratio Lower Upper
 113 100
 111 103.6 83.1 124.7
 192 12.1 12.7 19.1#



#36
 1,1-Dichloropropene
 Concen: 5.405 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052056.D
 Acq: 30 Oct 2018 9:52

Tgt Ion: 75 Resp: 22400
 Ion Ratio Lower Upper
 75 100
 110 15.7 16.0 48.0#
 77 14.9 24.5 36.7#

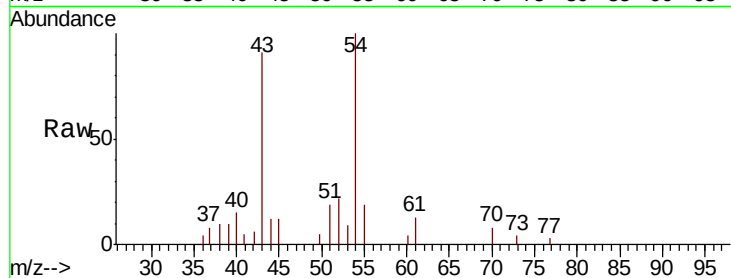




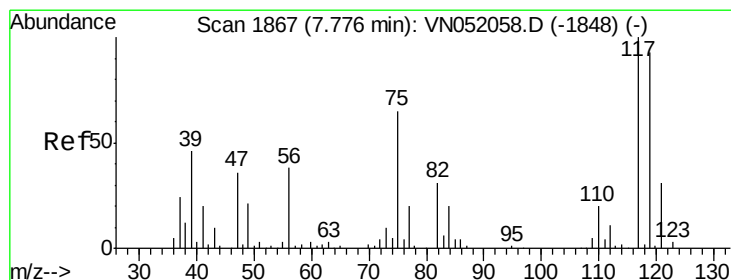
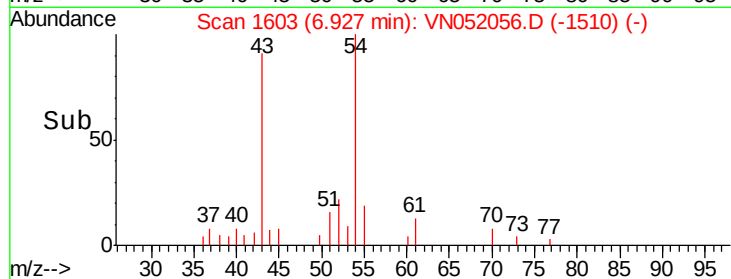
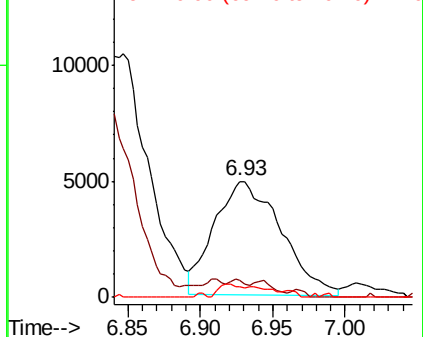
#37
Ethyl Acetate
Concen: 6.411 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 43 Resp: 15841
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 4.0 8.6 12.8#

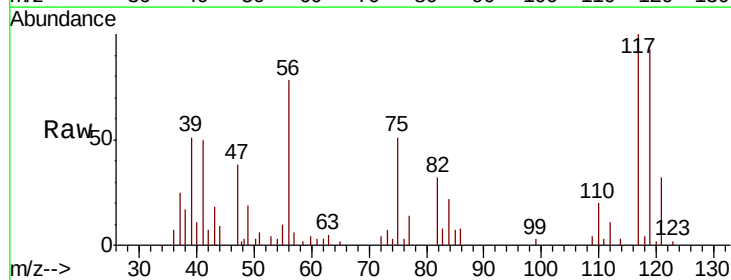


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

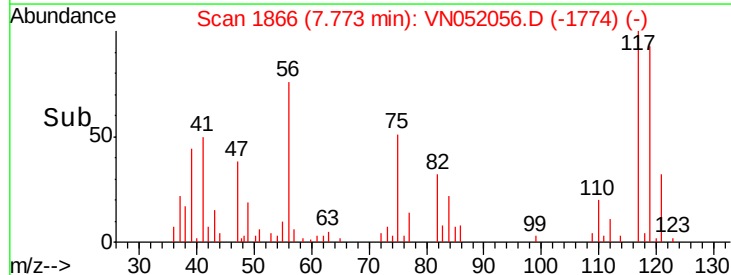
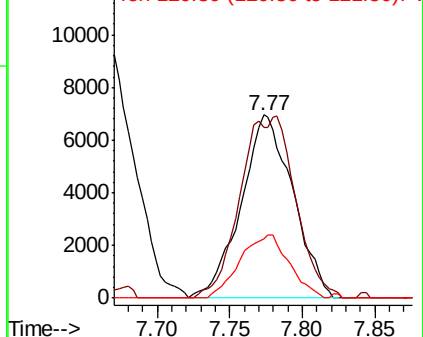


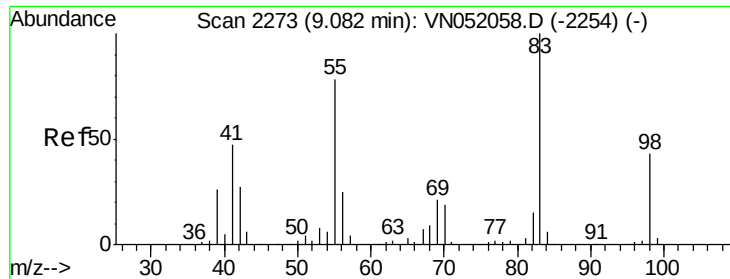
#38
Carbon Tetrachloride
Concen: 5.019 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Tgt Ion: 117 Resp: 17273
Ion Ratio Lower Upper
117 100
119 92.8 74.8 112.2
121 32.2 25.1 37.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

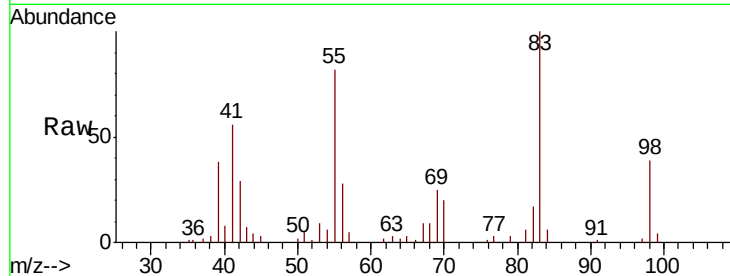




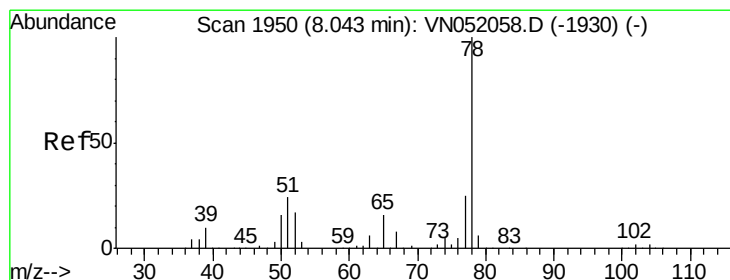
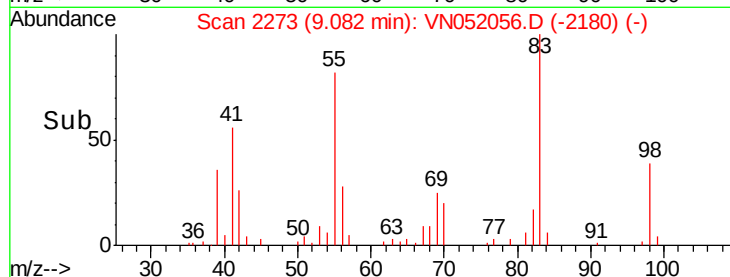
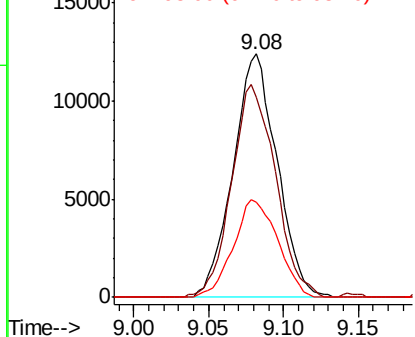
#39
Methylcyclohexane
Concen: 5.128 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 83 Resp: 25367
Ion Ratio Lower Upper
83 100
55 82.1 62.0 93.0
98 39.3 34.7 52.1

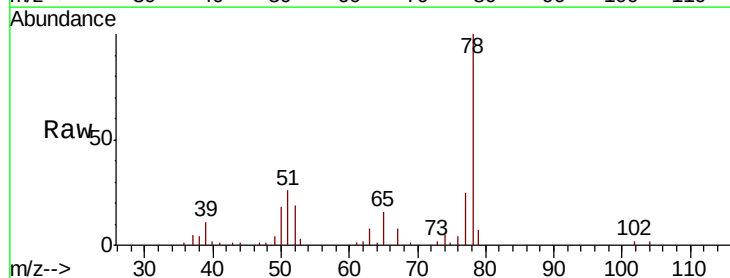


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

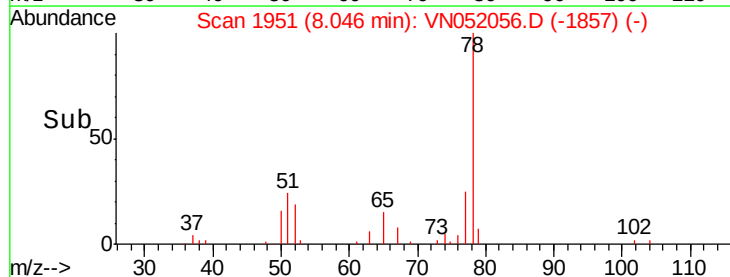
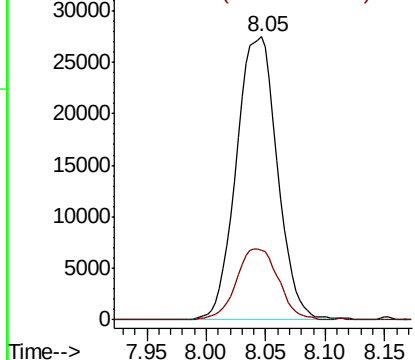


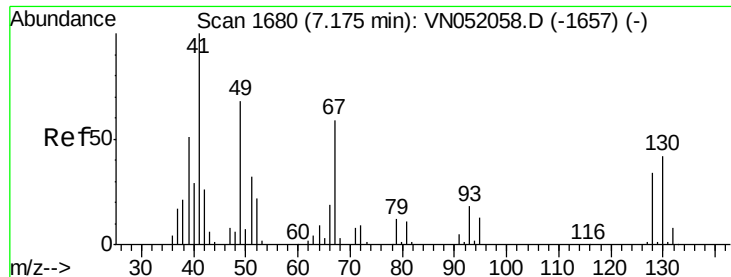
#40
Benzene
Concen: 5.599 ug/l
RT: 8.05 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Tgt Ion: 78 Resp: 65630
Ion Ratio Lower Upper
78 100
77 24.6 19.8 29.6



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

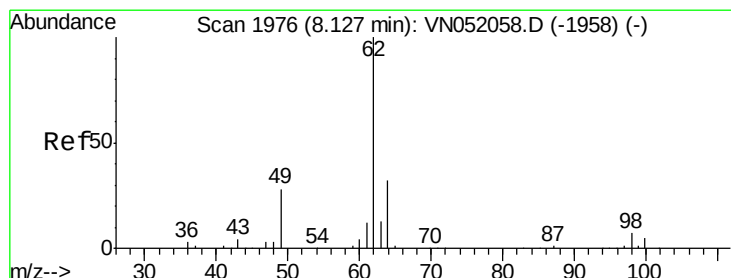
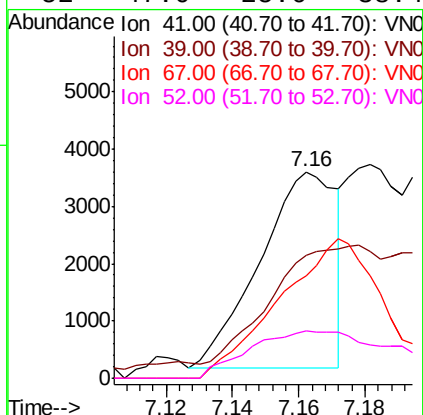
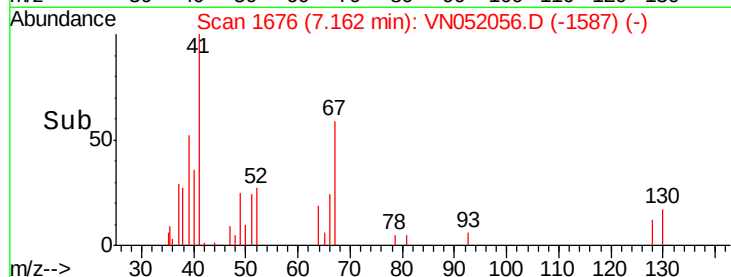
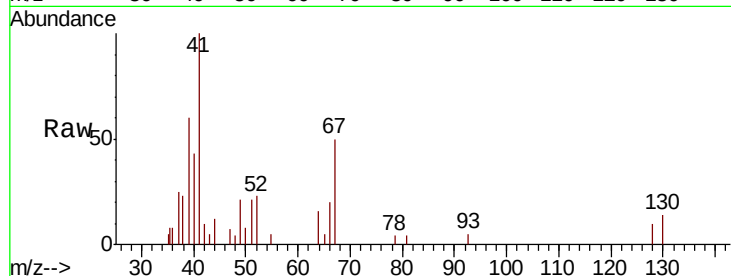




#41
Methacrylonitrile
Concen: 5.812 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.01 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

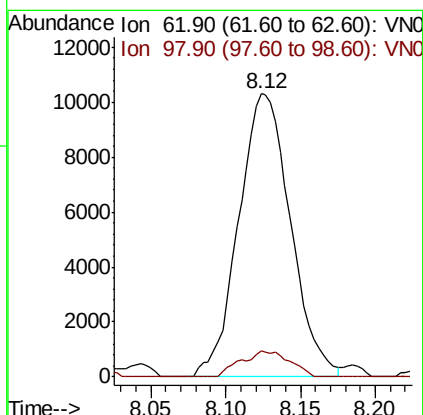
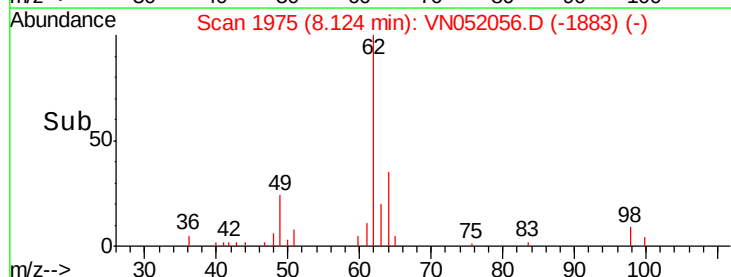
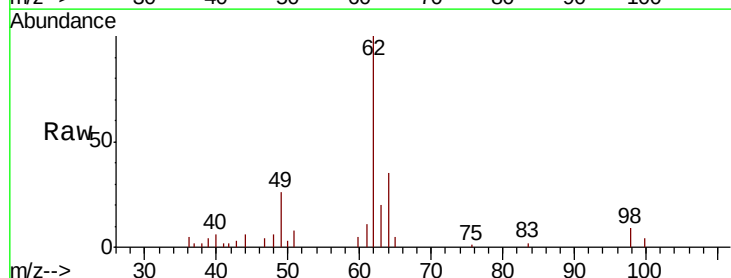
Instrument :
MSVOA_N
ClientSampled :

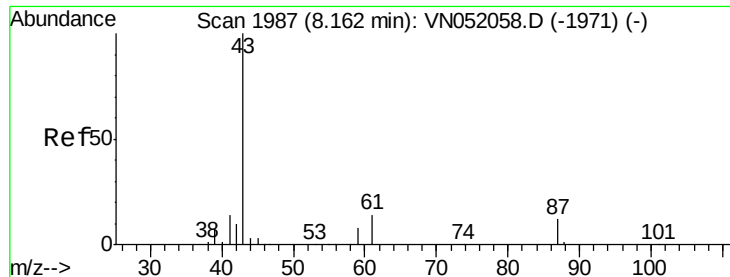
Tgt Ion: 41 Resp: 5511
Ion Ratio Lower Upper
41 100
39 81.5 33.2 49.8#
67 92.5 63.5 95.3
52 47.0 25.6 38.4#



#42
1,2-Dichloroethane
Concen: 5.336 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Tgt Ion: 62 Resp: 24826
Ion Ratio Lower Upper
62 100
98 8.7 0.0 15.2





#43

Isopropyl Acetate

Concen: 5.737 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

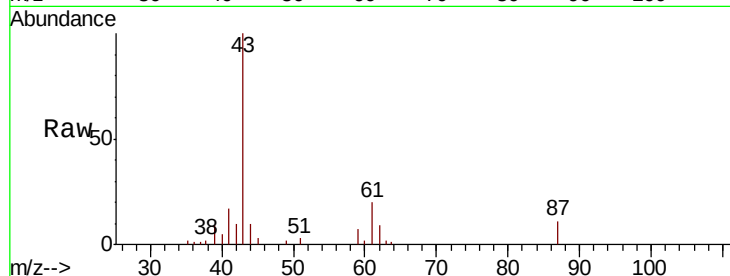
Tgt Ion: 43 Resp: 27442

Ion Ratio Lower Upper

43 100

61 29.5 15.4 23.0#

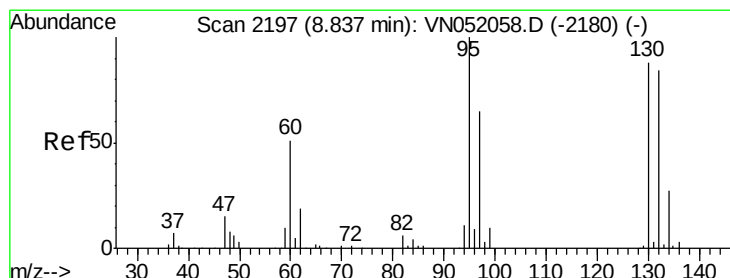
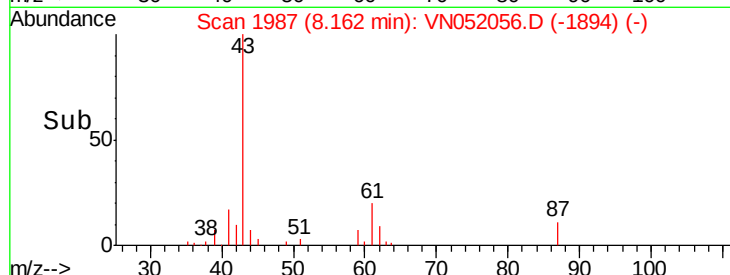
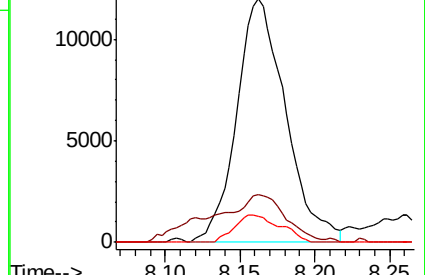
87 10.4 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN052056.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN052056.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN052056.D (-1971) (-)



#44

Trichloroethene

Concen: 5.485 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN052056.D

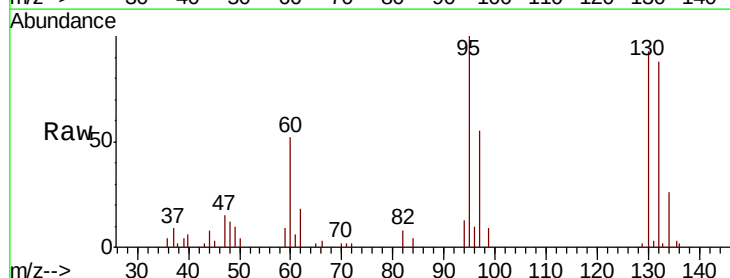
Acq: 30 Oct 2018 9:52

Tgt Ion: 130 Resp: 14155

Ion Ratio Lower Upper

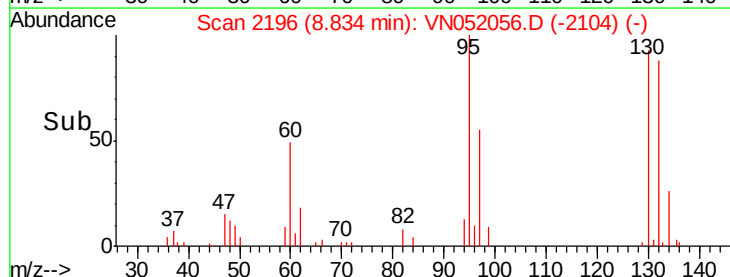
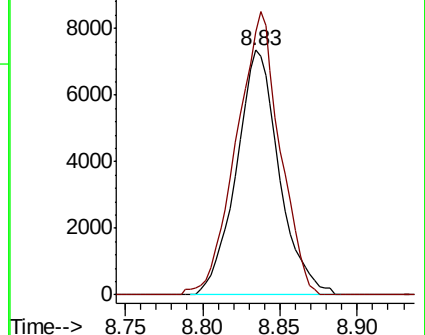
130 100

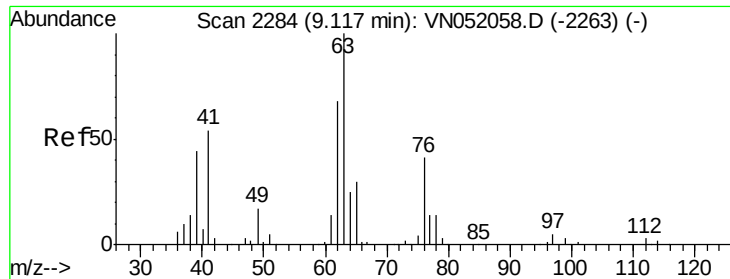
95 107.2 0.0 228.4



Abundance Ion 129.80 (129.50 to 130.50): VN052056.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN052056.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 5.190 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

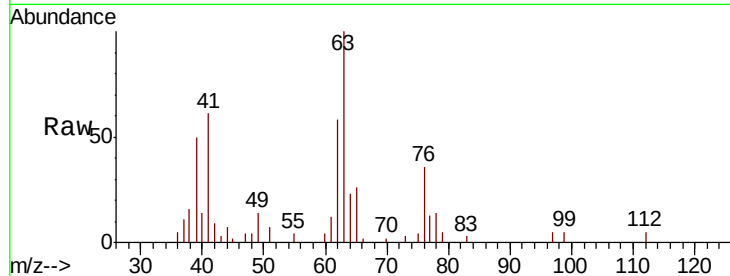
ClientSampled :

Tgt Ion: 63 Resp: 18409

Ion Ratio Lower Upper

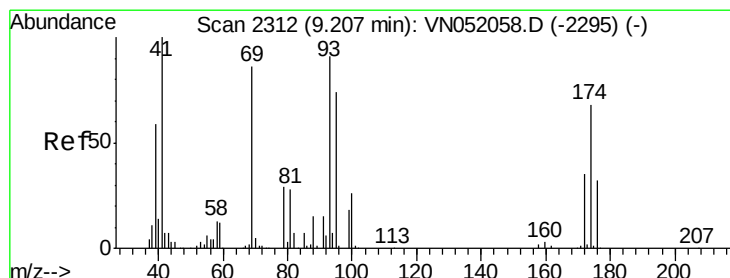
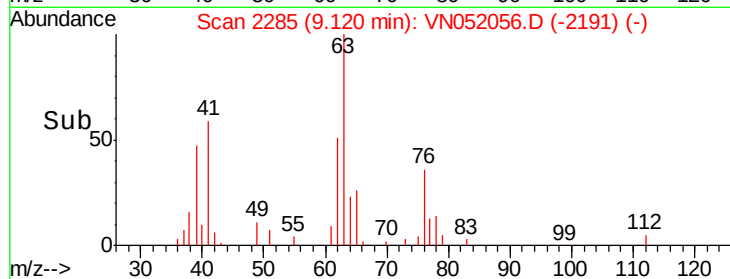
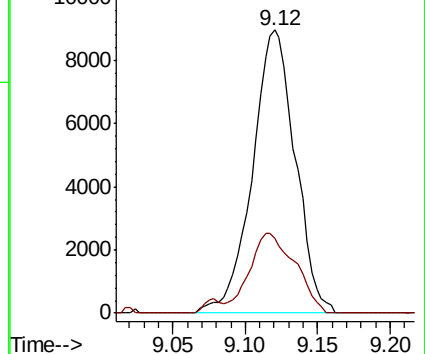
63 100

65 26.4 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 5.765 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

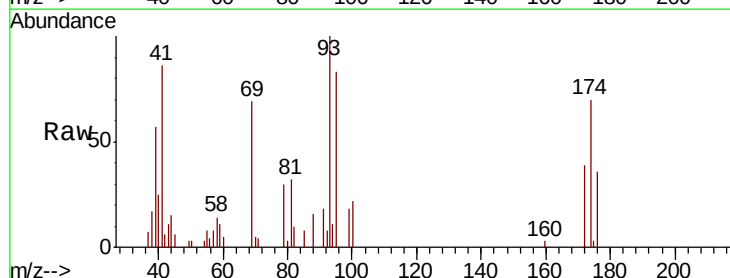
Tgt Ion: 93 Resp: 10435

Ion Ratio Lower Upper

93 100

95 83.0 67.2 100.8

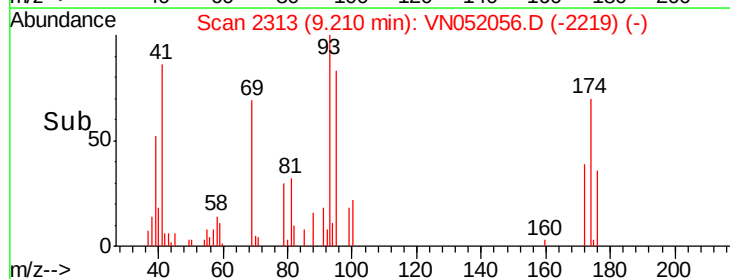
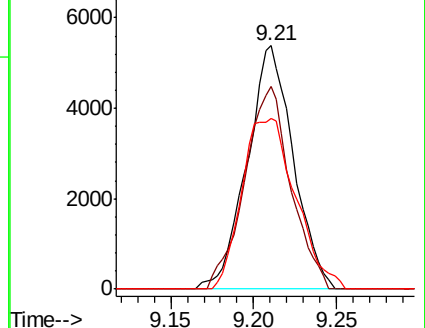
174 81.6 59.7 89.5

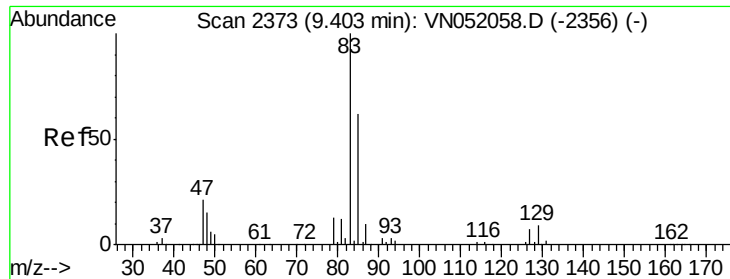


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 5.575 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampled :

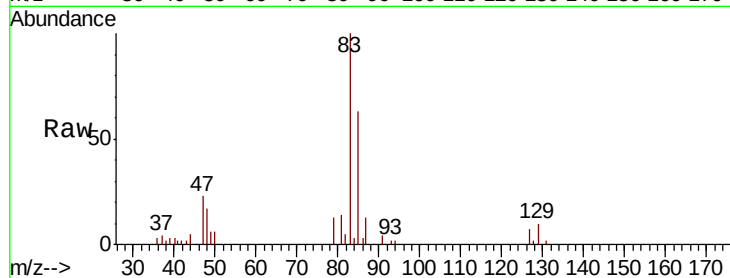
Tgt Ion: 83 Resp: 21066

Ion Ratio Lower Upper

83 100

85 63.1 49.4 74.2

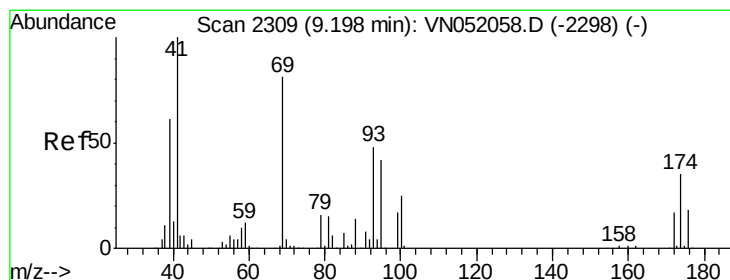
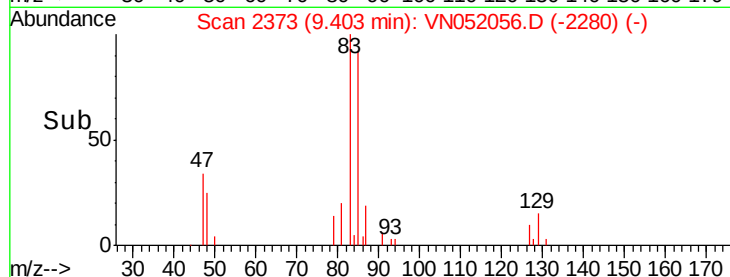
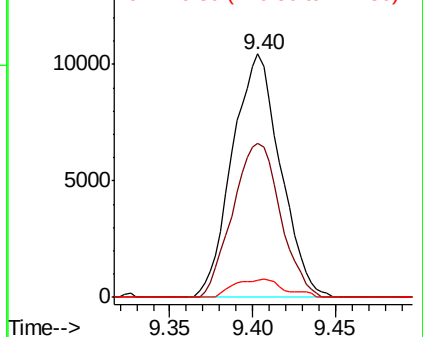
127 7.0 5.8 8.8



Abundance Ion 82.90 (82.60 to 83.60): VN052056.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052056.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052056.D (-2280) (-)



#48

Methyl methacrylate

Concen: 5.988 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

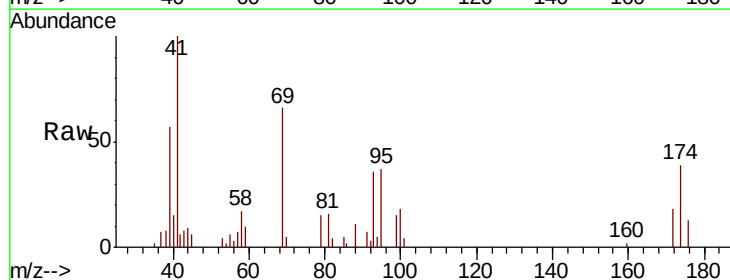
Tgt Ion: 41 Resp: 14477

Ion Ratio Lower Upper

41 100

69 73.7 67.1 100.7

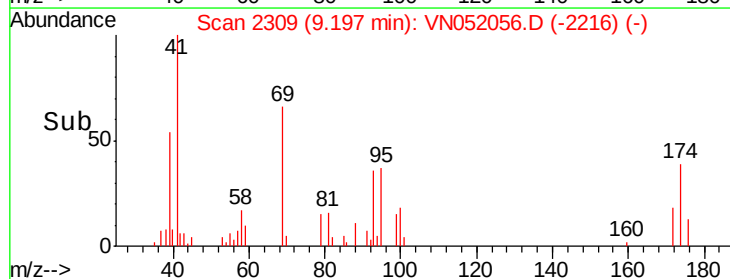
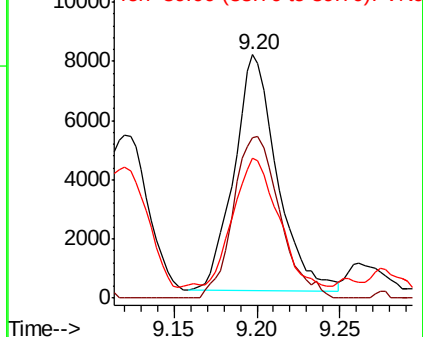
39 62.8 50.5 75.7

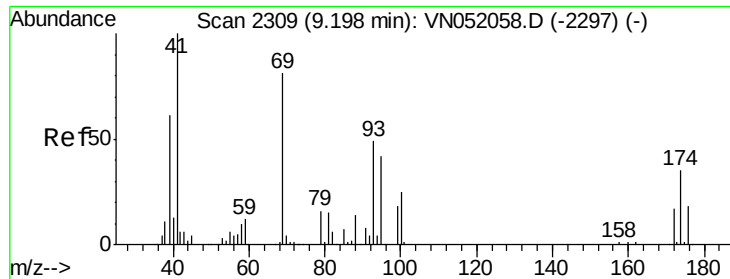


Abundance Ion 41.00 (40.70 to 41.70): VN052056.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052056.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052056.D (-2216) (-)

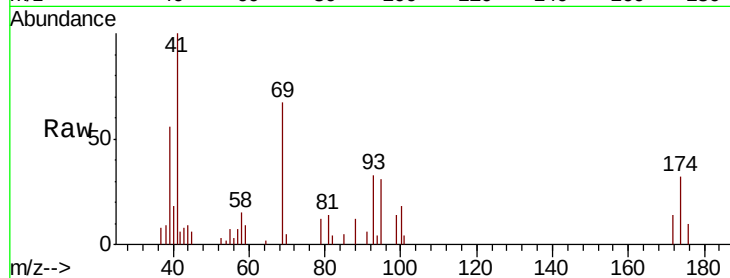




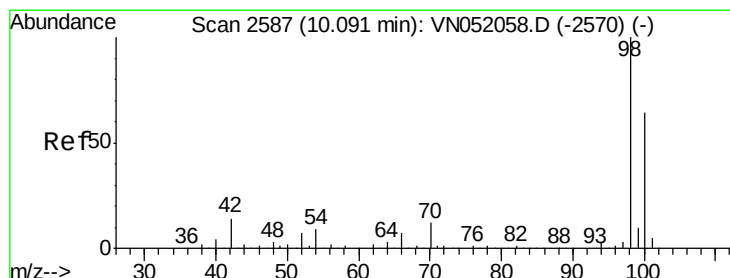
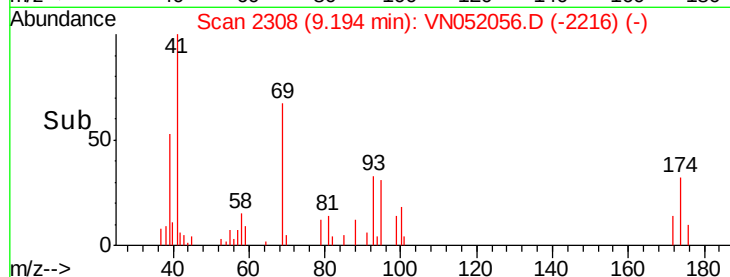
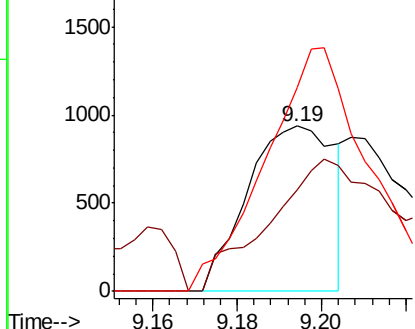
#49
1,4-Dioxane
Concen: 112.658 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 88 Resp: 1352
Ion Ratio Lower Upper
88 100
43 122.8 34.1 51.1#
58 169.3 62.8 94.2#

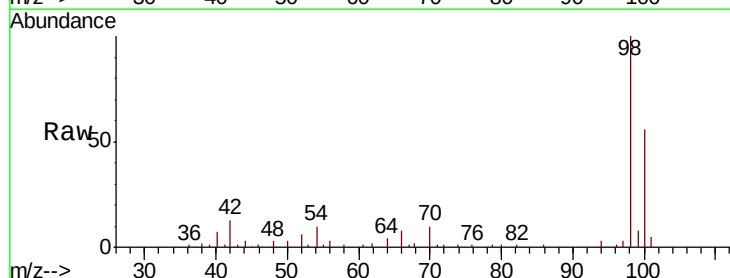


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

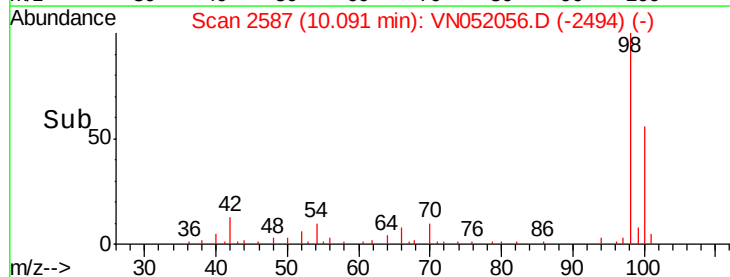
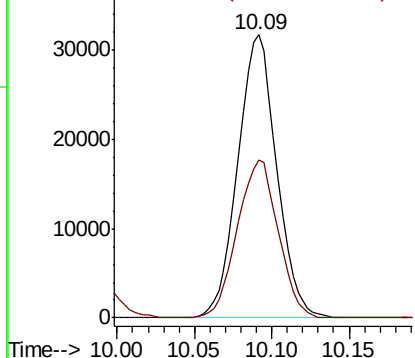


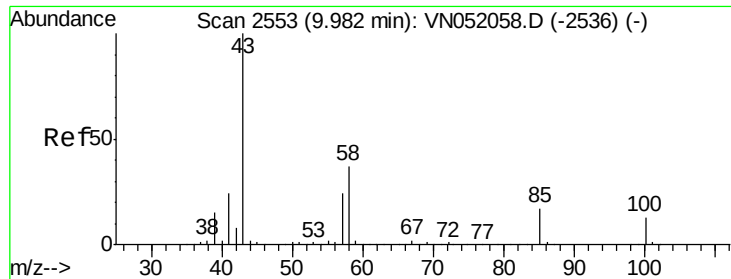
#50
Toluene-d8
Concen: 112.658 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Tgt Ion: 98 Resp: 55411
Ion Ratio Lower Upper
98 100
100 58.6 51.4 77.2



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





#51

4-Methyl-2-Pentanone

Concen: 28.667 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

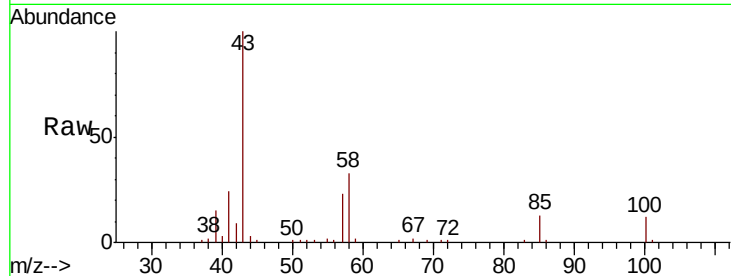
ClientSampleId :

Tgt Ion: 43 Resp: 74330

Ion Ratio Lower Upper

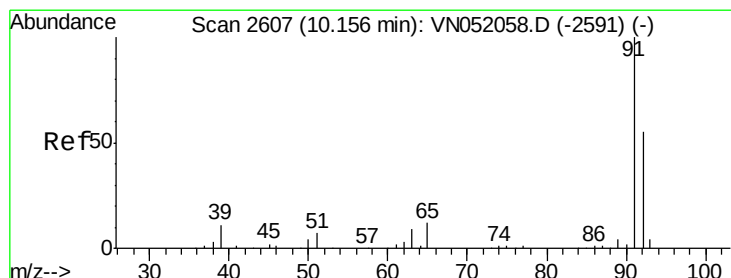
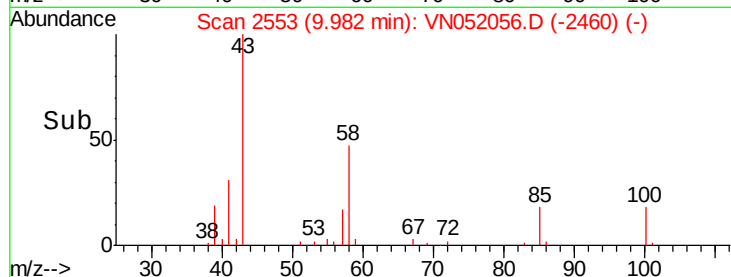
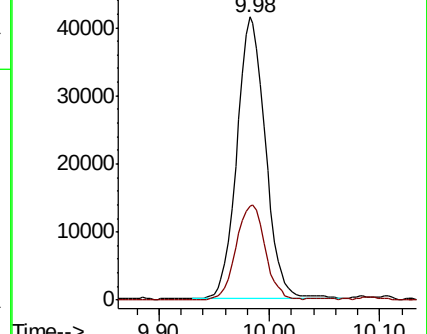
43 100

58 34.5 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 5.396 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052056.D

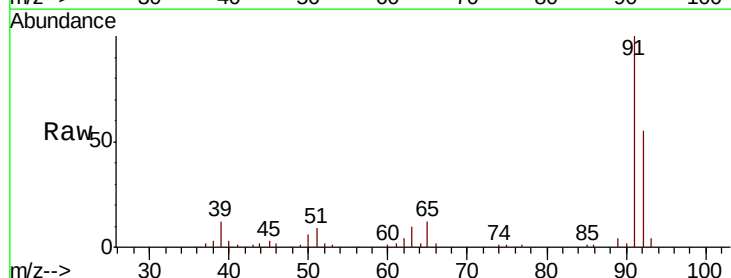
Acq: 30 Oct 2018 9:52

Tgt Ion: 92 Resp: 37974

Ion Ratio Lower Upper

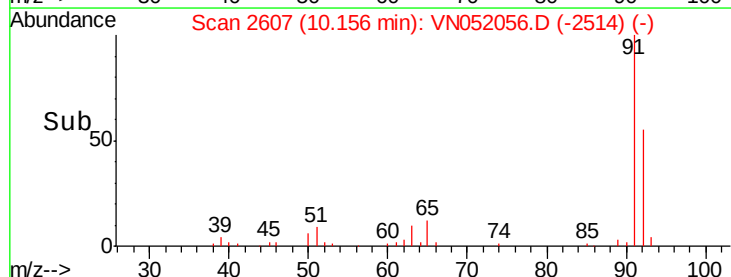
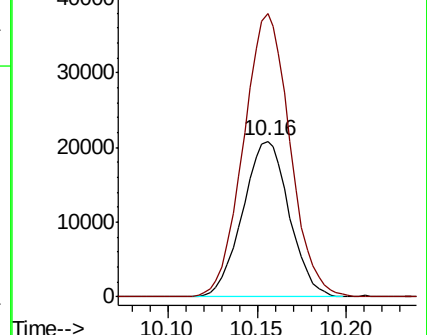
92 100

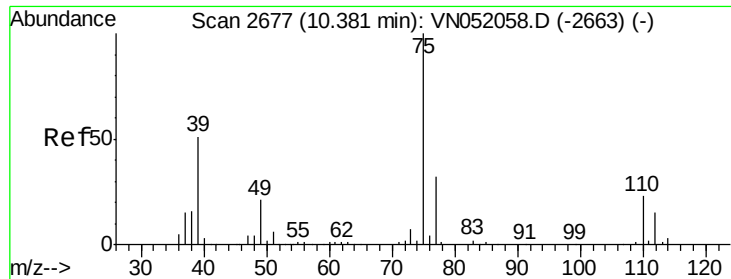
91 181.9 143.9 215.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 5.240 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

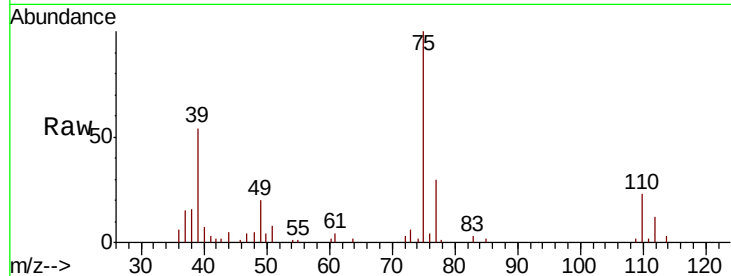
ClientSampled :

Tgt Ion: 75 Resp: 21201

Ion Ratio Lower Upper

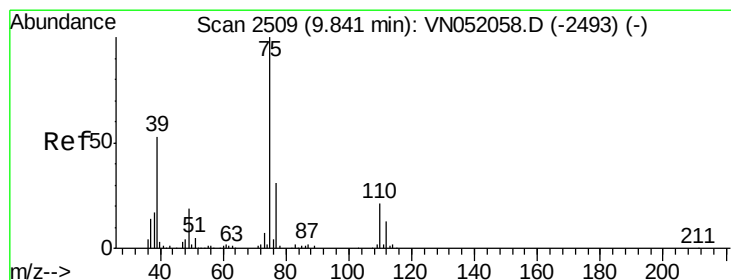
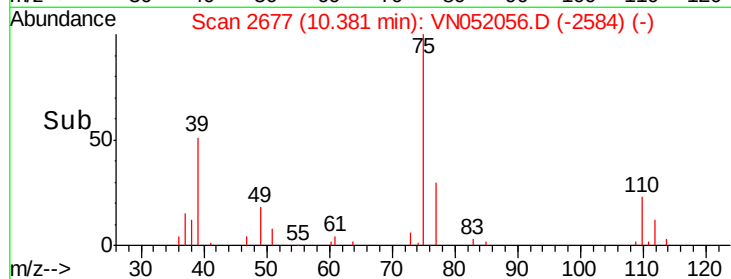
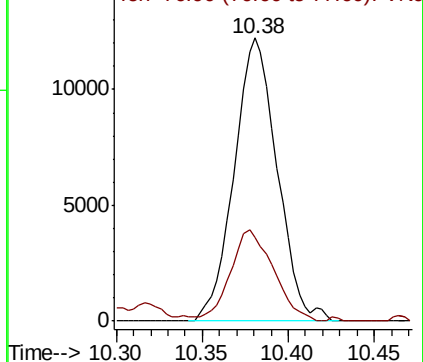
75 100

77 28.5 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 5.406 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

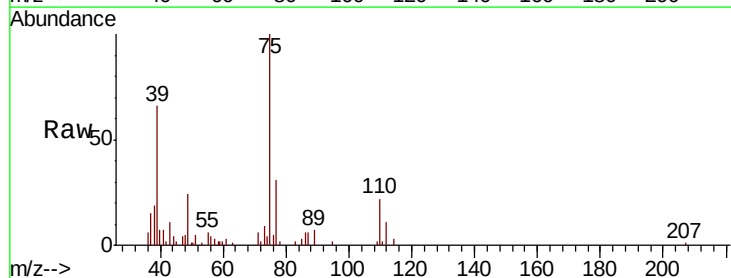
Tgt Ion: 75 Resp: 23715

Ion Ratio Lower Upper

75 100

77 31.0 25.0 37.4

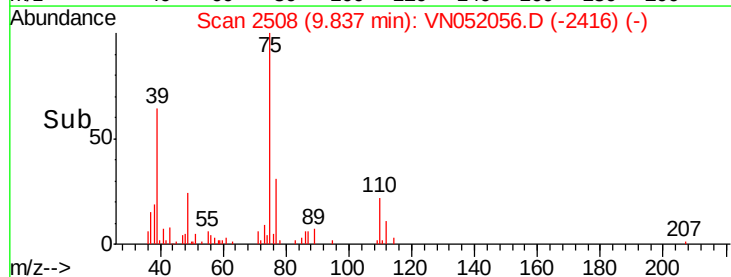
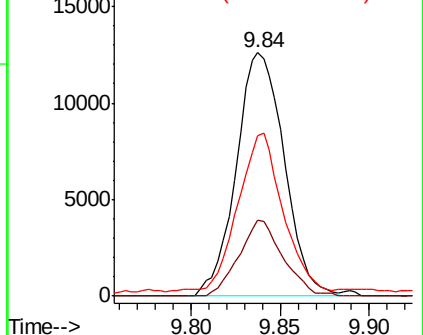
39 63.1 42.3 63.5

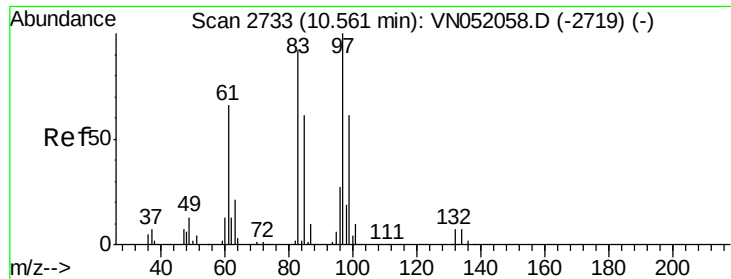


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 5.531 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampled :

Tgt Ion: 97 Resp: 13927

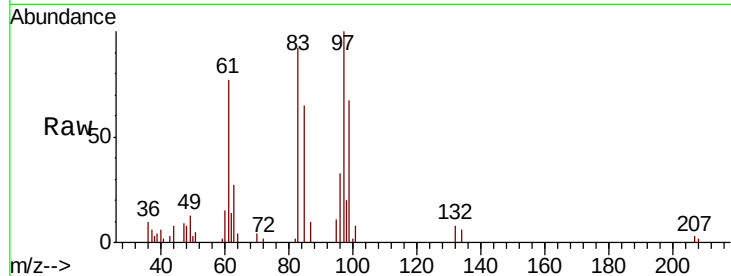
Ion Ratio Lower Upper

97 100

83 91.6 73.8 110.8

85 64.6 48.4 72.6

99 67.0 48.6 72.8

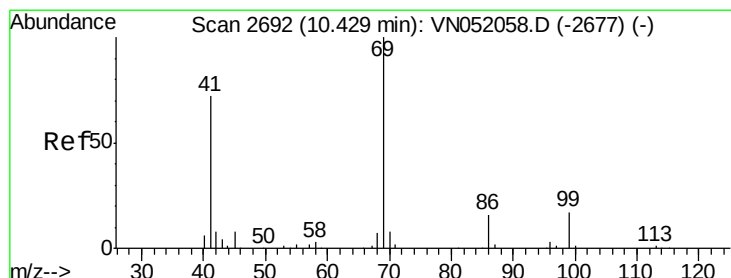
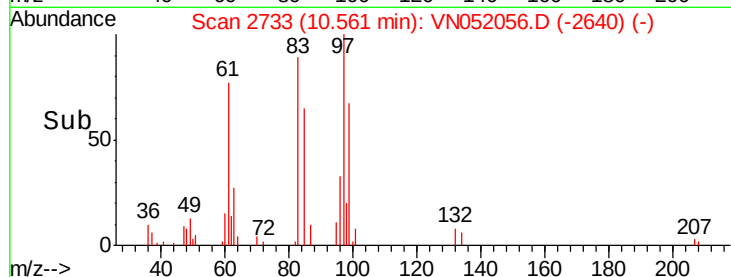
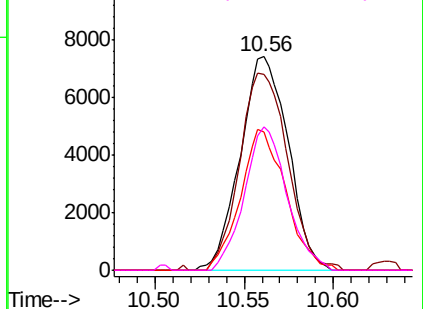


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 5.007 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

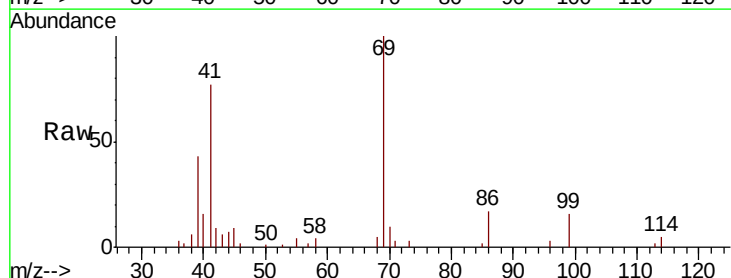
Tgt Ion: 69 Resp: 18446

Ion Ratio Lower Upper

69 100

41 78.3 55.5 83.3

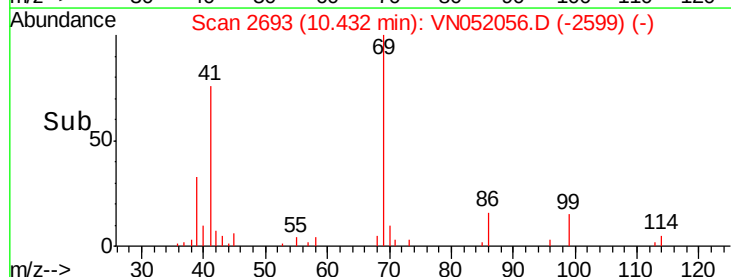
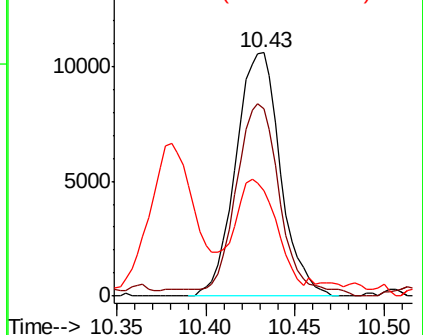
39 41.3 33.0 49.4

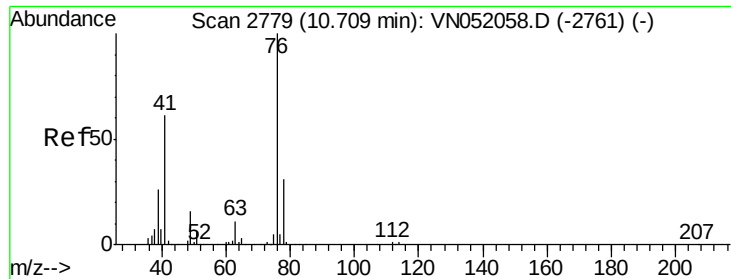


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

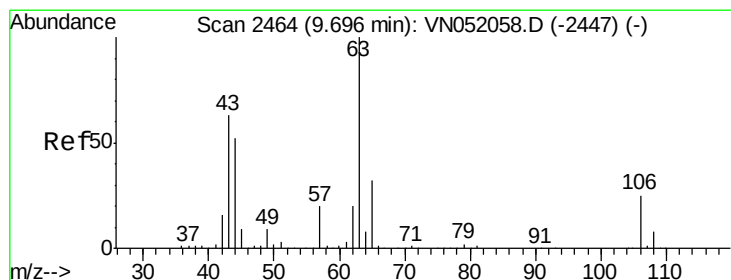
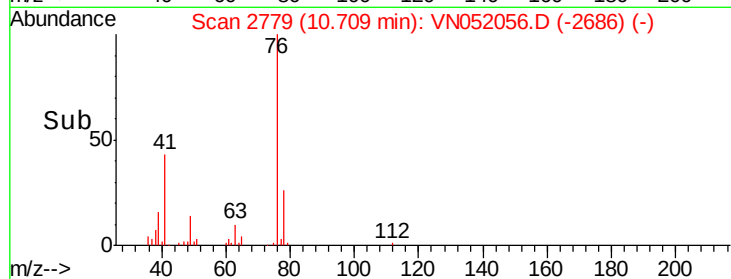
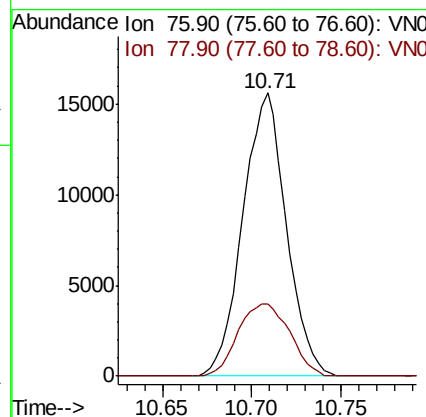
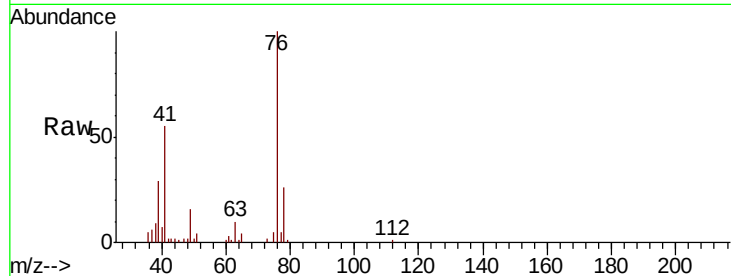




#57
 1,3-Dichloropropane
 Concen: 5.739 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN052056.D
 Acq: 30 Oct 2018 9:52

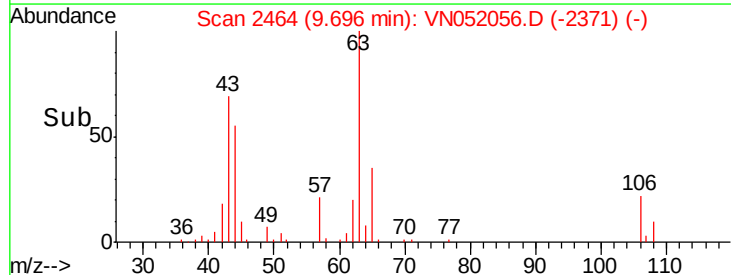
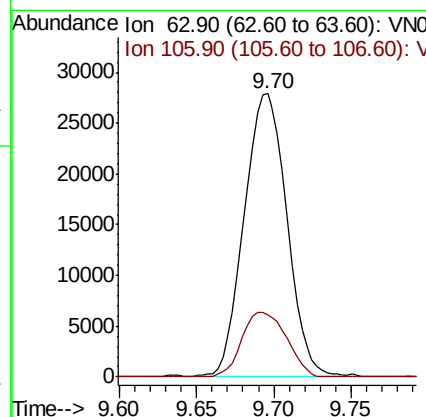
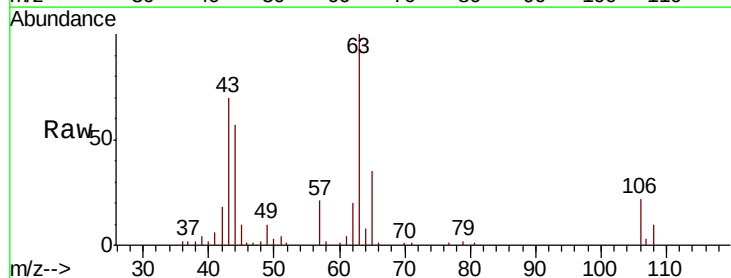
Instrument :
 MSVOA_N
 ClientSampleId :

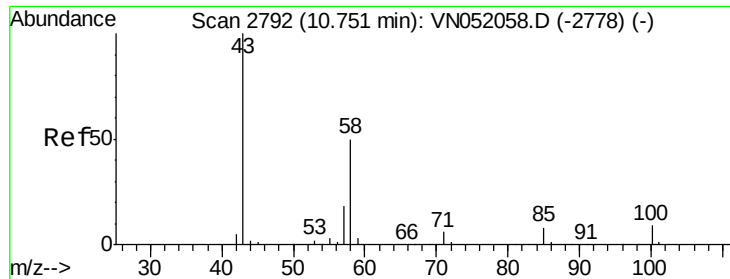
Tgt Ion: 76 Resp: 26584
 Ion Ratio Lower Upper
 76 100
 78 30.3 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 28.471 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN052056.D
 Acq: 30 Oct 2018 9:52

Tgt Ion: 63 Resp: 53734
 Ion Ratio Lower Upper
 63 100
 106 23.7 19.4 29.2

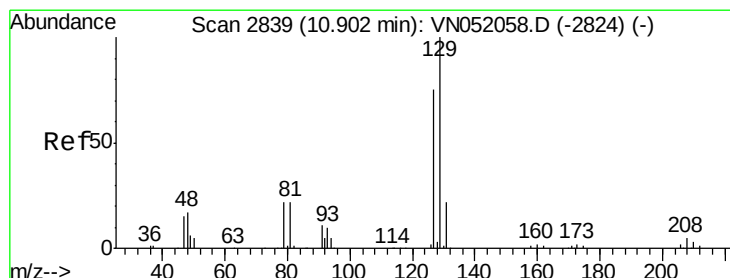
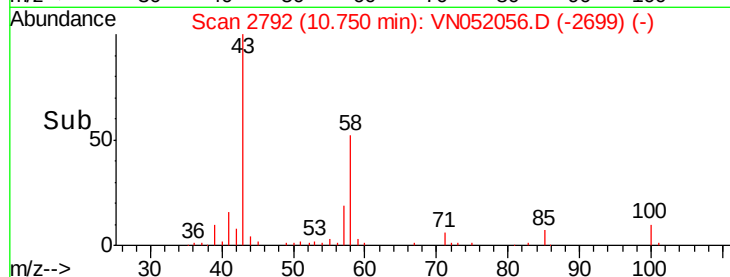
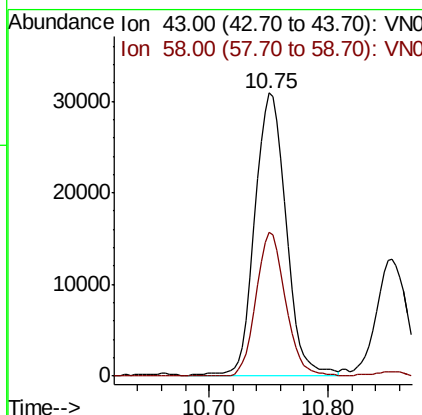
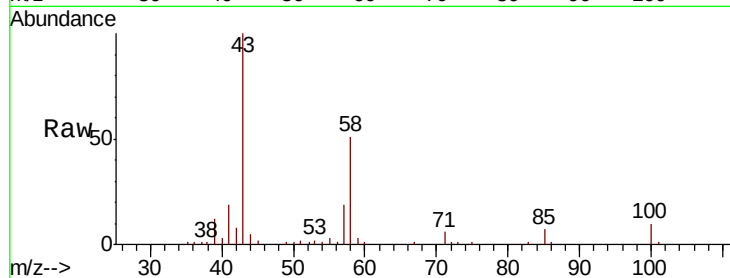




#59
2-Hexanone
Concen: 30.427 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

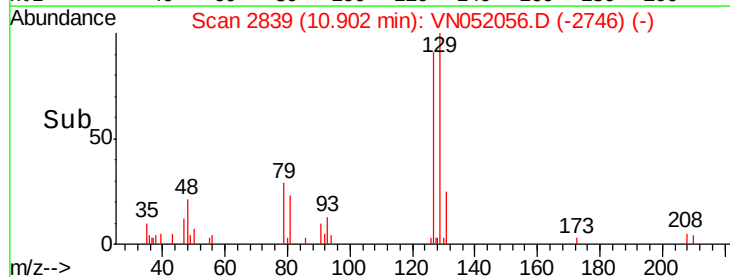
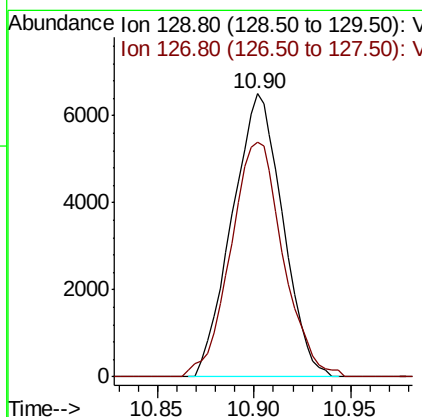
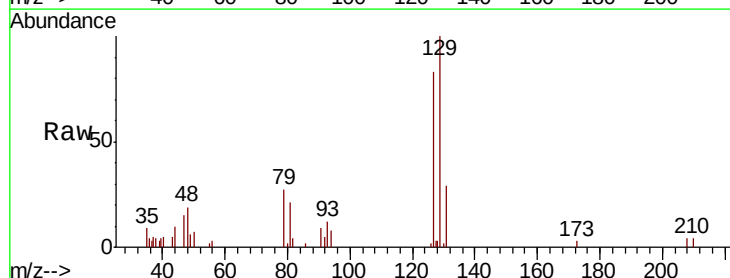
Instrument :
MSVOA_N
ClientSampled :

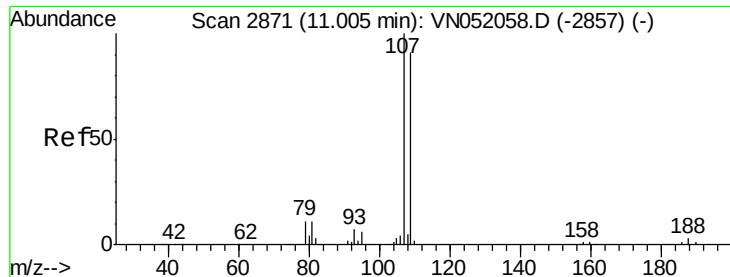
Tgt Ion: 43 Resp: 56661
Ion Ratio Lower Upper
43 100
58 47.4 25.2 75.6



#60
Dibromochloromethane
Concen: 4.938 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Tgt Ion: 129 Resp: 11821
Ion Ratio Lower Upper
129 100
127 85.9 38.5 115.5

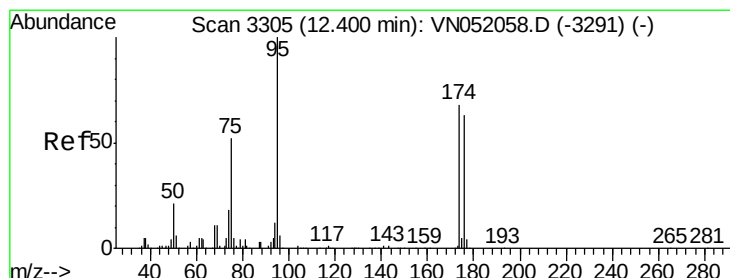
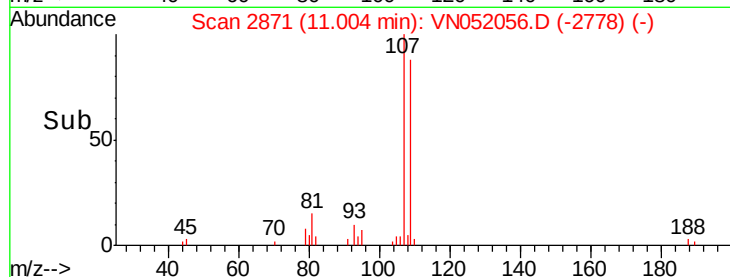
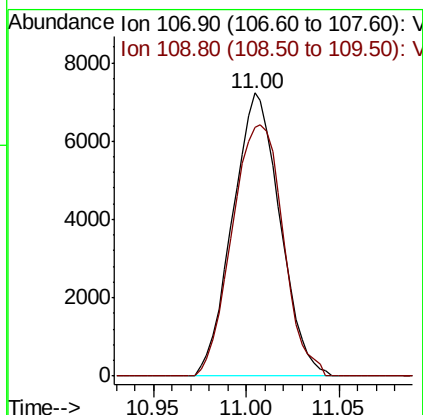
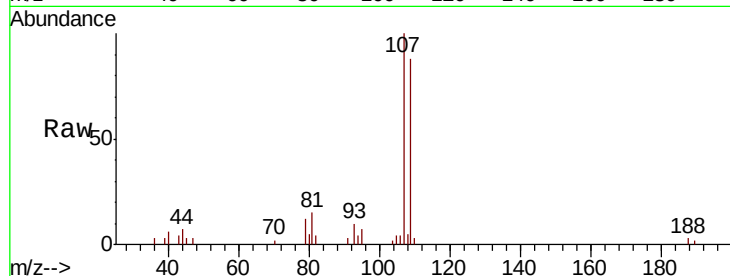




#61
 1,2-Dibromoethane
 Concen: 5.144 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052056.D
 Acq: 30 Oct 2018 9:52

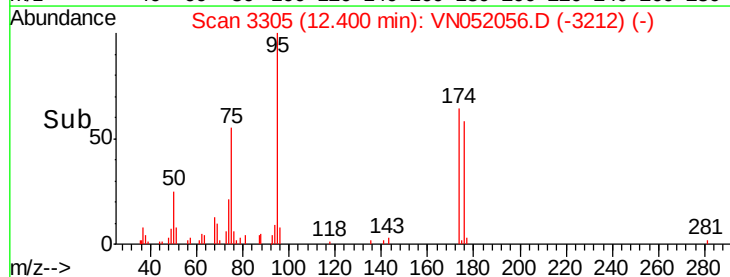
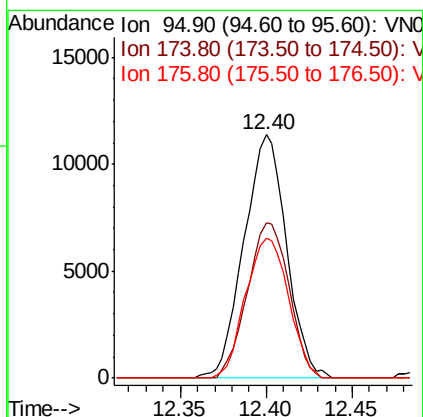
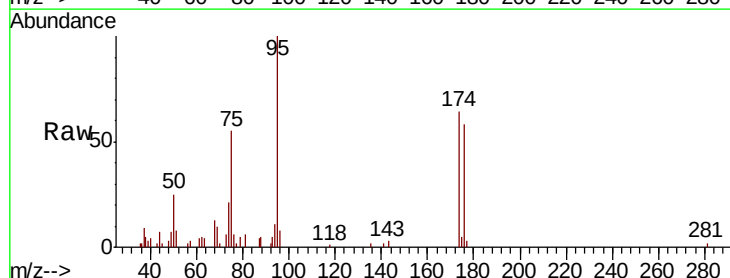
Instrument :
 MSVOA_N
 ClientSampleId :

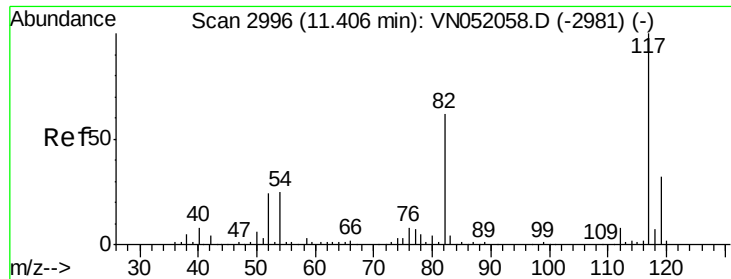
Tgt Ion: 107 Resp: 12856
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 5.144 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052056.D
 Acq: 30 Oct 2018 9:52

Tgt Ion: 95 Resp: 19511
 Ion Ratio Lower Upper
 95 100
 174 62.5 0.0 131.8
 176 58.1 0.0 126.0

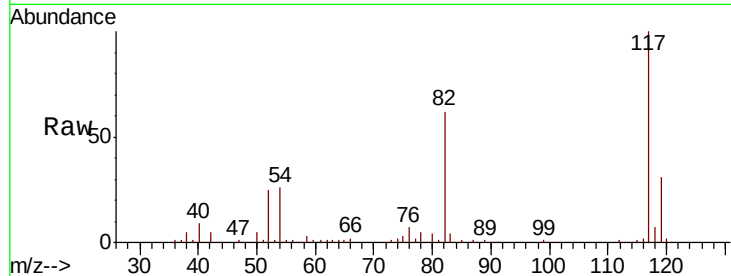




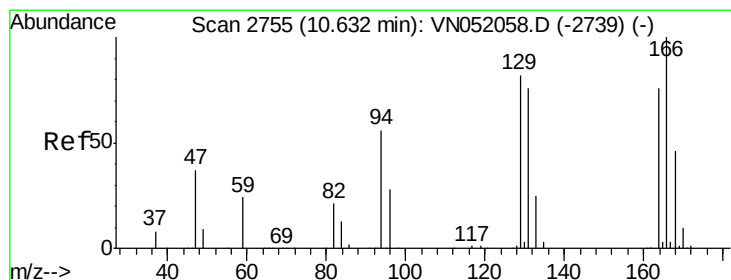
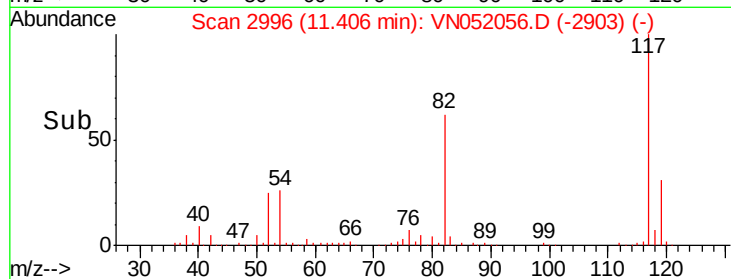
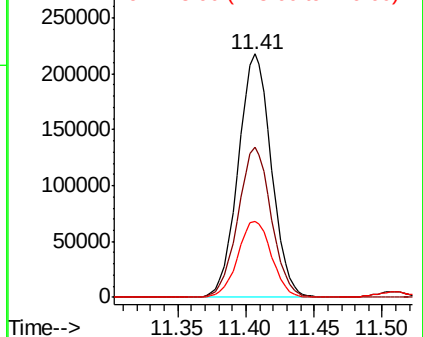
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:117 Resp: 366739
Ion Ratio Lower Upper
117 100
82 61.8 49.9 74.9
119 31.4 25.7 38.5

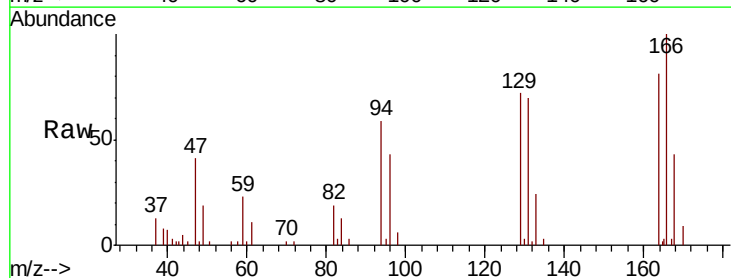


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

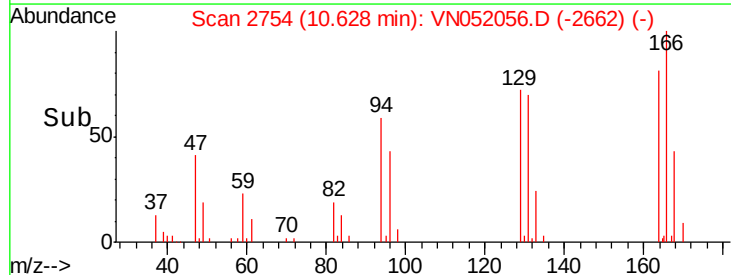
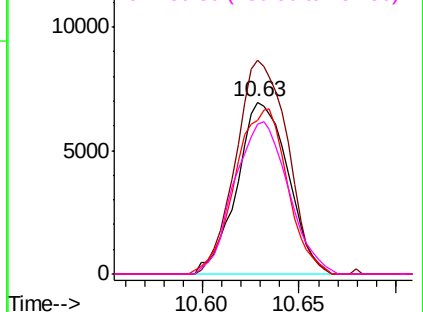


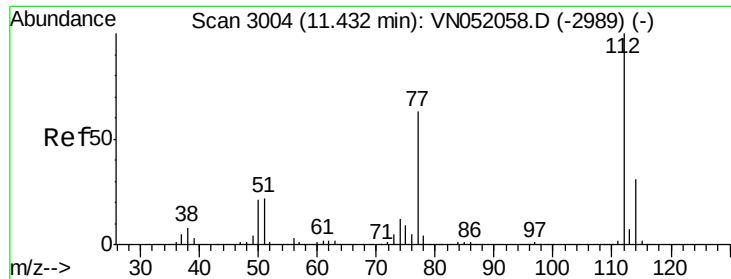
#64
Tetrachloroethene
Concen: 6.092 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Tgt Ion:164 Resp: 12841
Ion Ratio Lower Upper
164 100
166 124.1 105.4 158.0
129 89.6 86.1 129.1
131 86.7 80.3 120.5



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

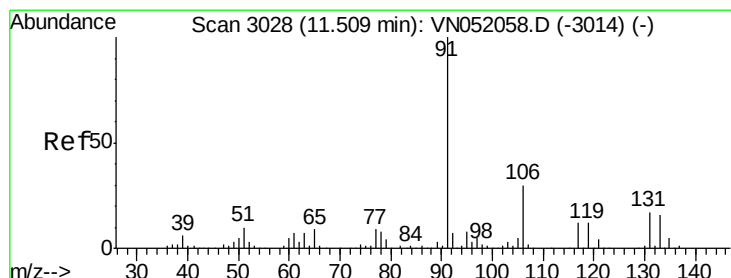
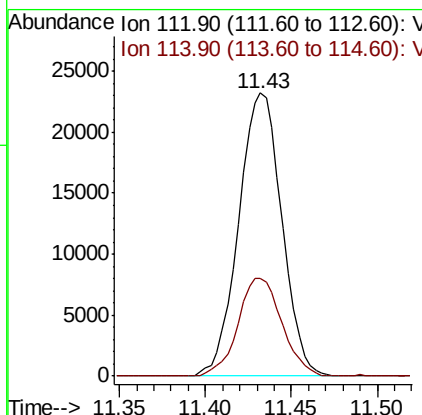
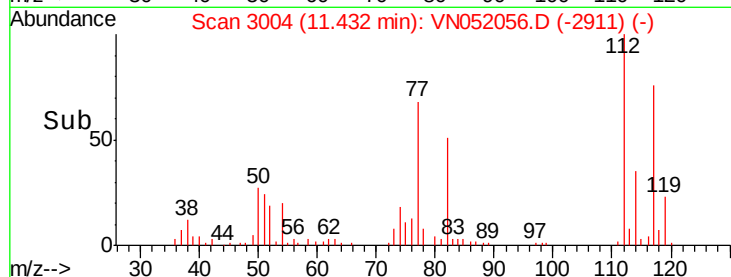
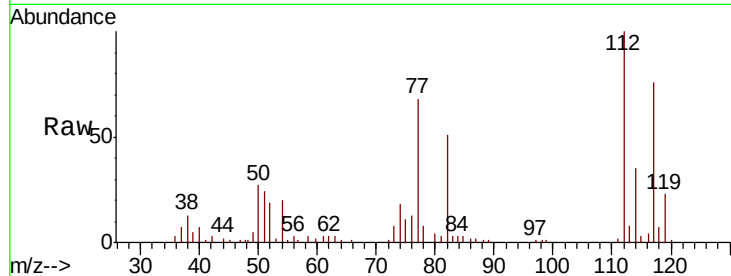




#65
Chlorobenzene
Concen: 5.375 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

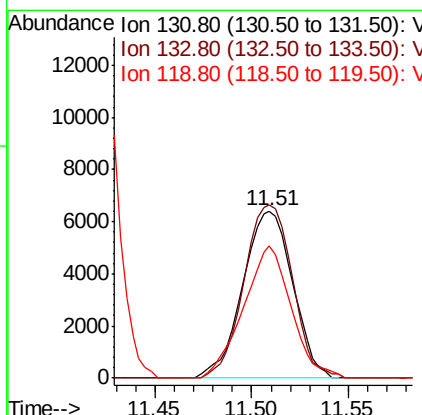
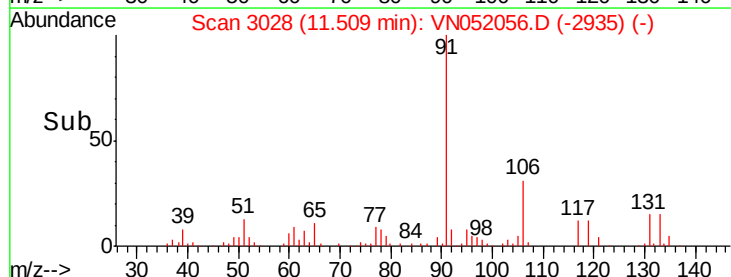
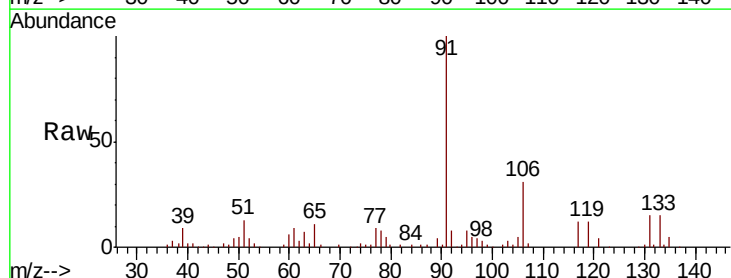
Instrument :
MSVOA_N
ClientSampled :

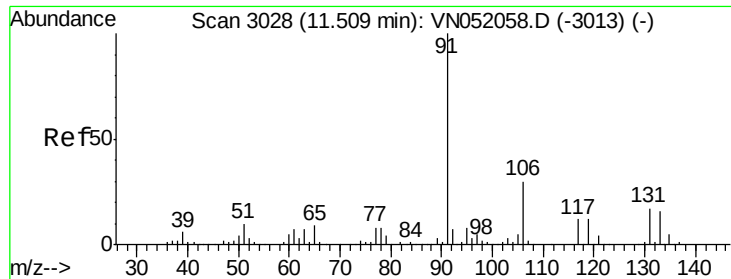
Tgt Ion:112 Resp: 40420
Ion Ratio Lower Upper
112 100
114 34.5 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 5.014 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Tgt Ion:131 Resp: 11502
Ion Ratio Lower Upper
131 100
133 100.8 47.6 142.9
119 75.6 34.4 103.2

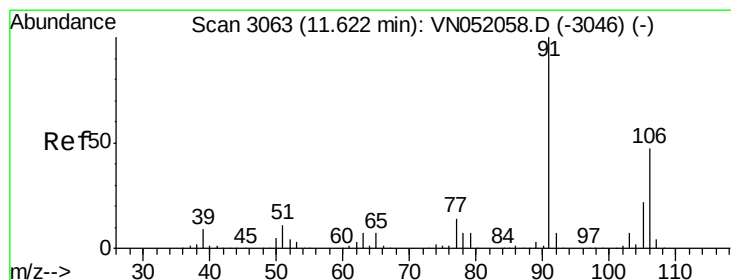
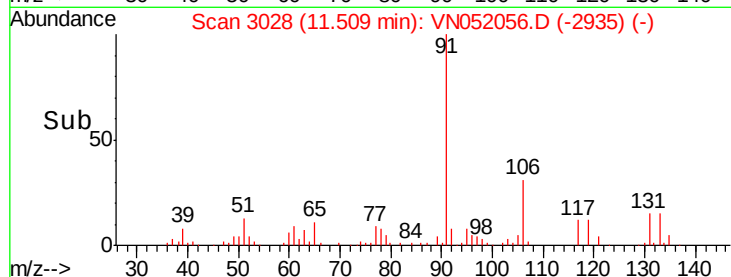
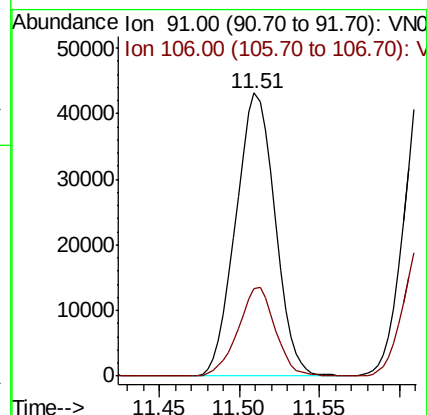
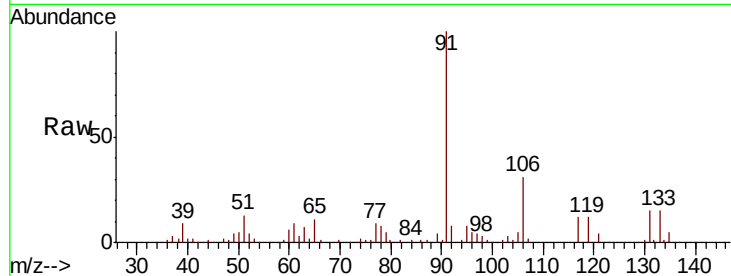




#67
Ethyl Benzene
Concen: 5.482 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

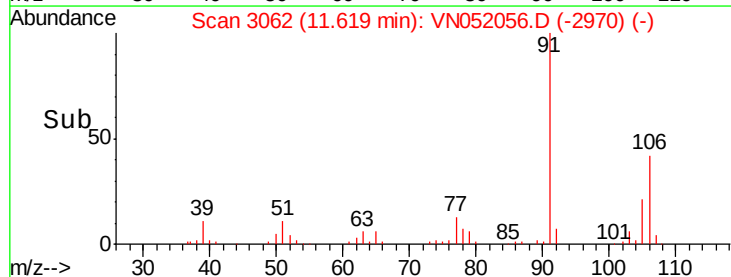
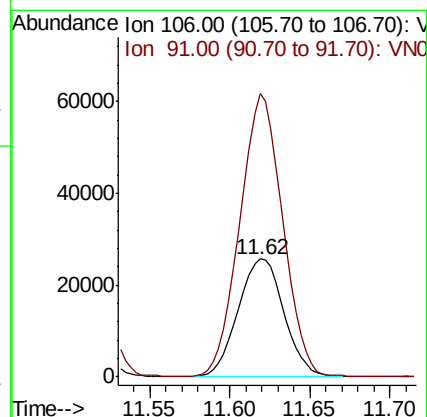
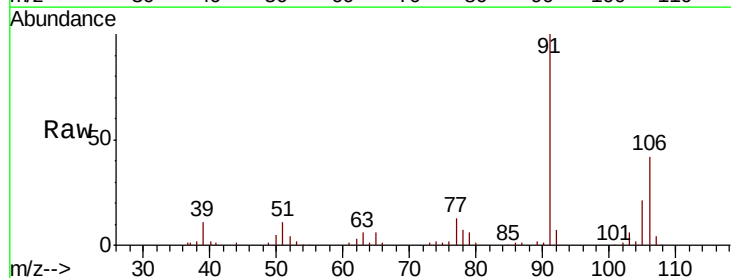
Instrument :
MSVOA_N
ClientSampled :

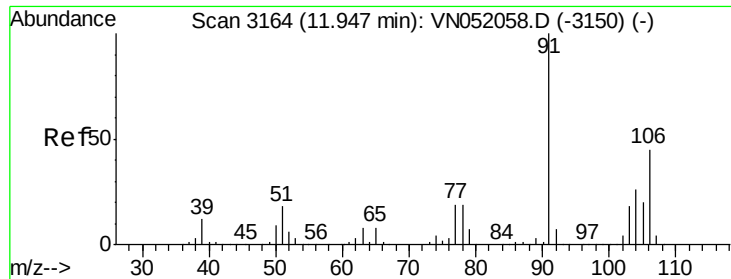
Tgt Ion: 91 Resp: 72208
Ion Ratio Lower Upper
91 100
106 30.9 24.1 36.1



#68
m/p-Xylenes
Concen: 11.039 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Tgt Ion: 106 Resp: 50471
Ion Ratio Lower Upper
106 100
91 224.0 168.7 253.1

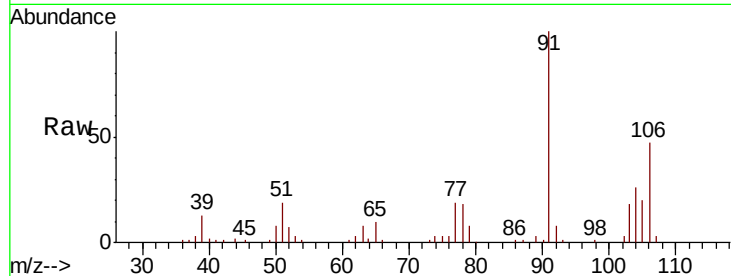




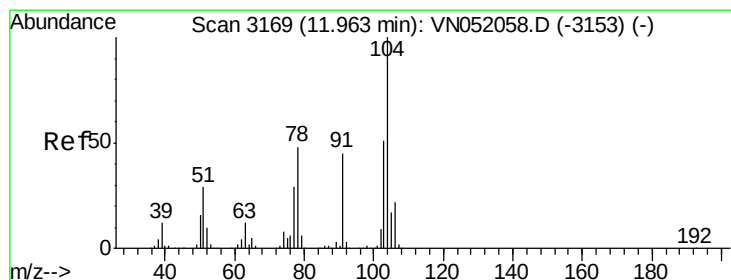
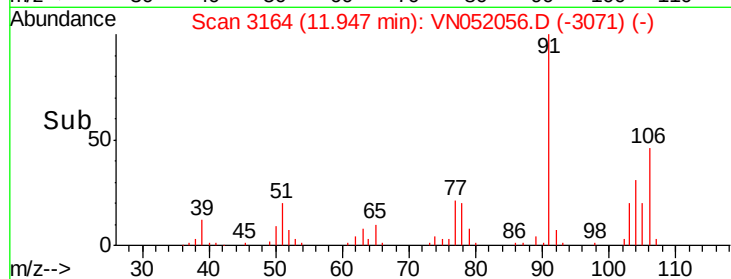
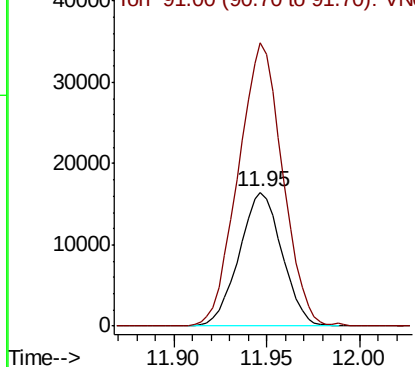
#69
o-Xylene
Concen: 5.911 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:106 Resp: 26361
Ion Ratio Lower Upper
106 100
91 219.1 109.6 328.6

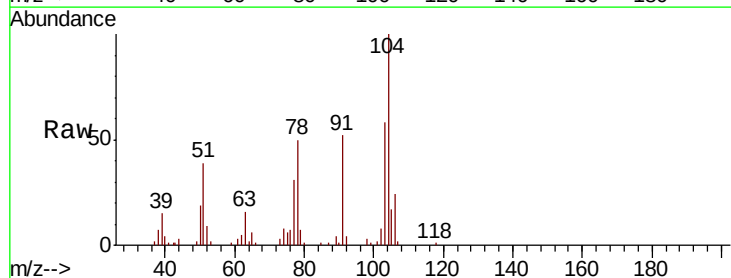


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

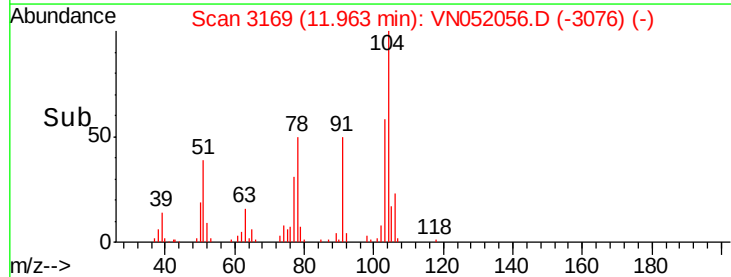
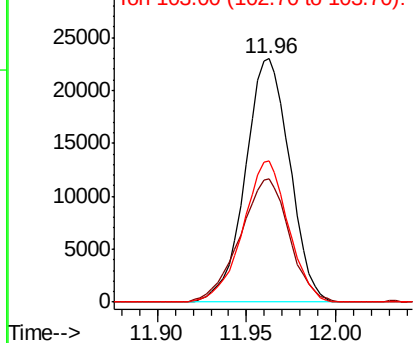


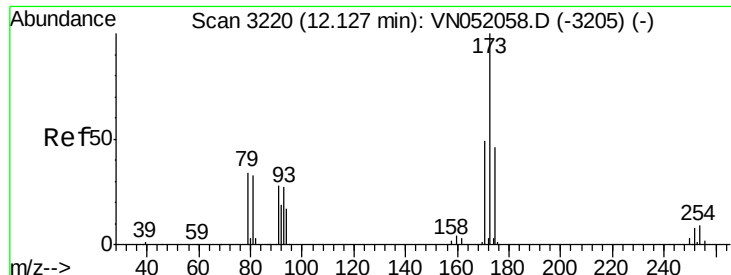
#70
Styrene
Concen: 5.450 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Tgt Ion:104 Resp: 40074
Ion Ratio Lower Upper
104 100
78 56.2 43.0 64.6
103 59.1 45.1 67.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

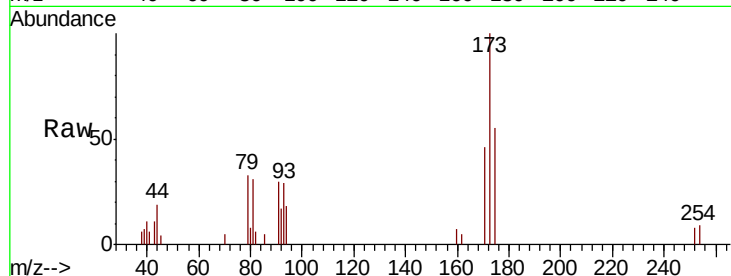




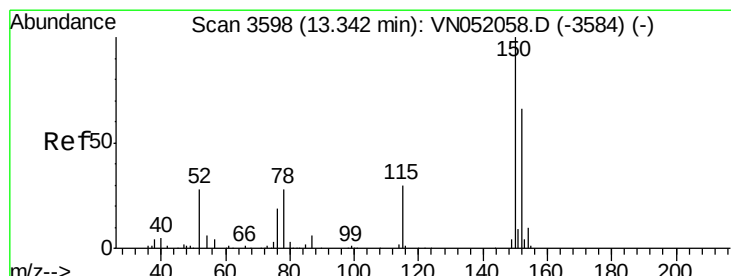
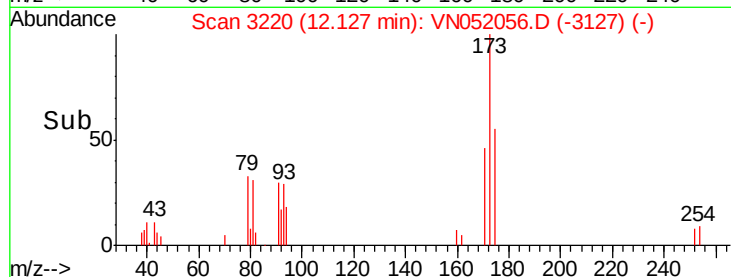
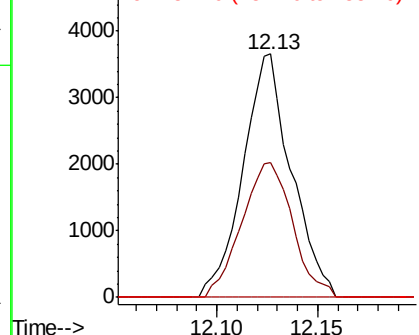
#71
Bromoform
Concen: 5.007 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:173 Resp: 6113
Ion Ratio Lower Upper
173 100
175 58.4 23.9 71.7
254 0.0 0.0 0.0

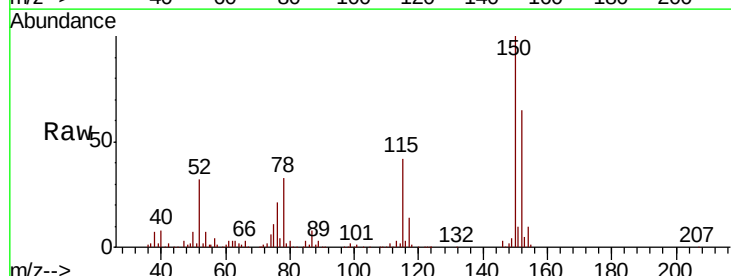


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

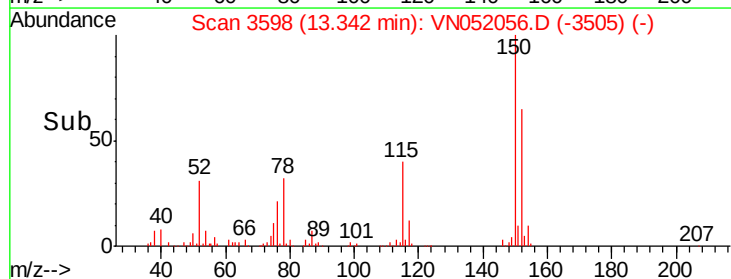
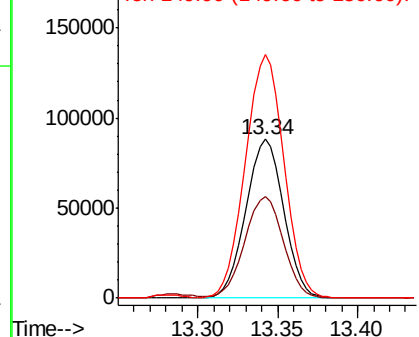


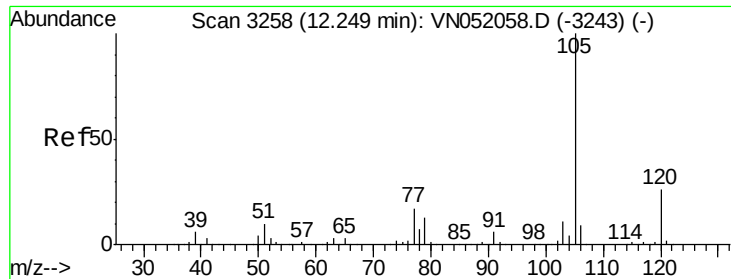
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Tgt Ion:152 Resp: 142732
Ion Ratio Lower Upper
152 100
115 64.8 31.6 95.0
150 155.9 0.0 345.0



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





#73

Isopropylbenzene

Concen: 5.970 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

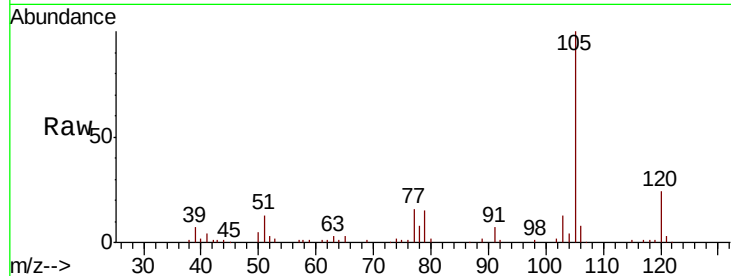
ClientSampleId :

Tgt Ion: 105 Resp: 67139

Ion Ratio Lower Upper

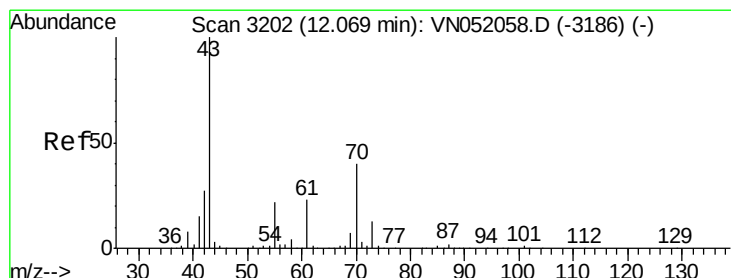
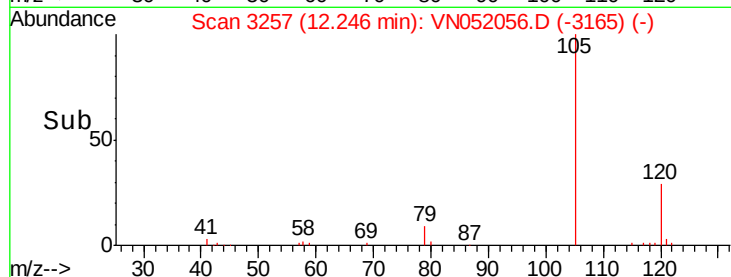
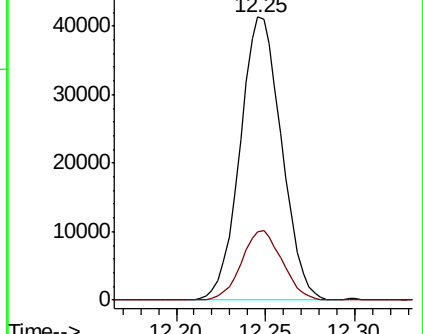
105 100

120 24.0 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-amyl acetate

Concen: 5.307 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Tgt Ion: 43 Resp: 22684

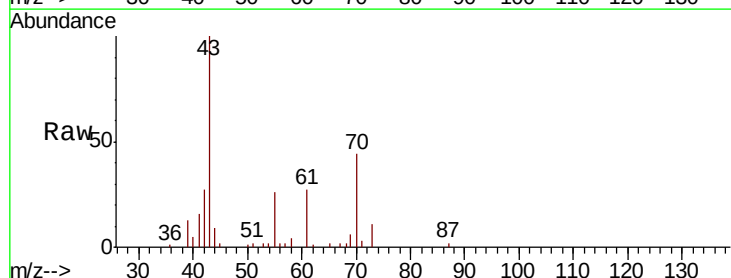
Ion Ratio Lower Upper

43 100

70 41.2 31.9 47.9

55 25.3 18.4 27.6

61 23.5 18.2 27.4

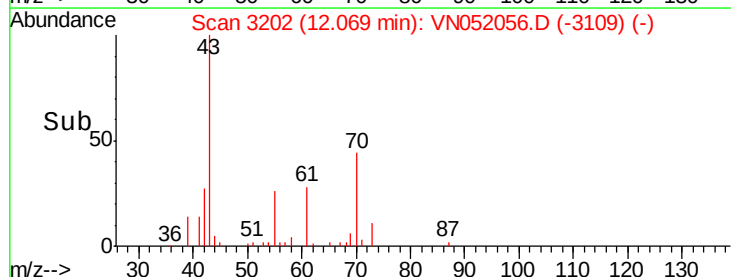
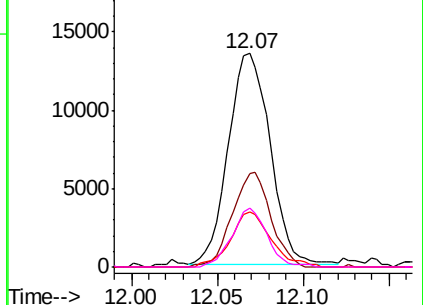


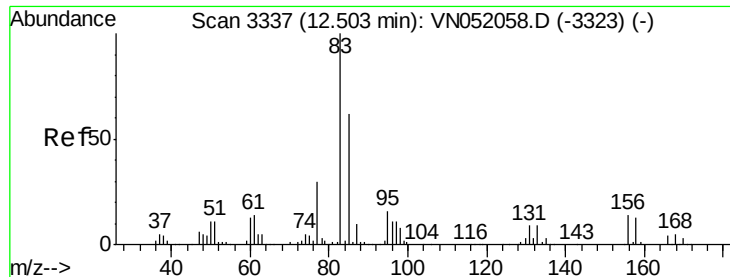
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 5.781 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampled :

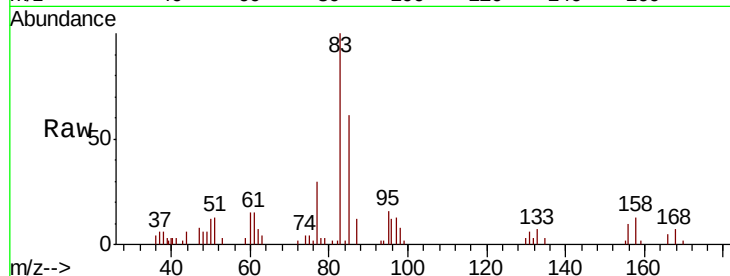
Tgt Ion: 83 Resp: 16389

Ion Ratio Lower Upper

83 100

131 5.6 4.5 13.4

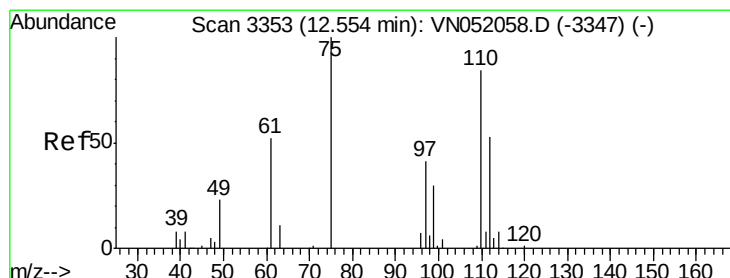
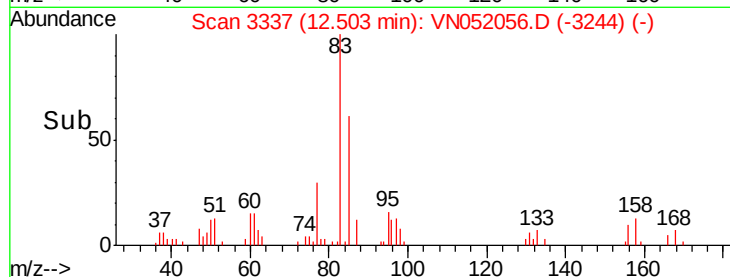
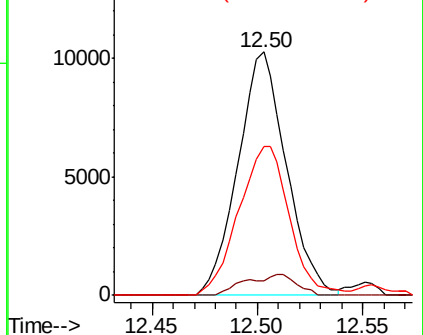
85 64.0 31.3 93.9



Abundance Ion 82.90 (82.60 to 83.60): VN052058.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN052058.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN052058.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 8.349 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052056.D

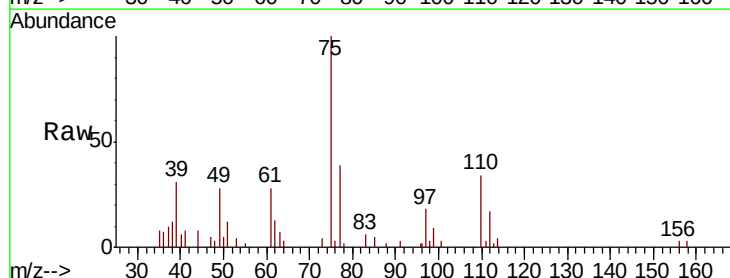
Acq: 30 Oct 2018 9:52

Tgt Ion: 75 Resp: 20177

Ion Ratio Lower Upper

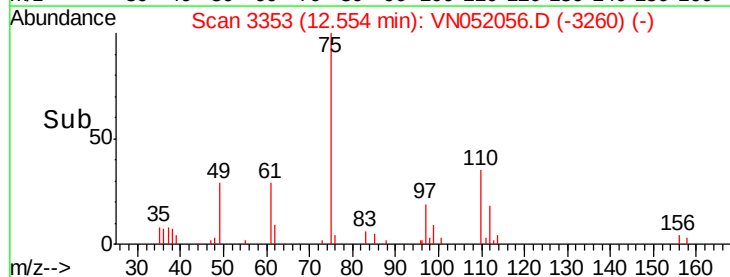
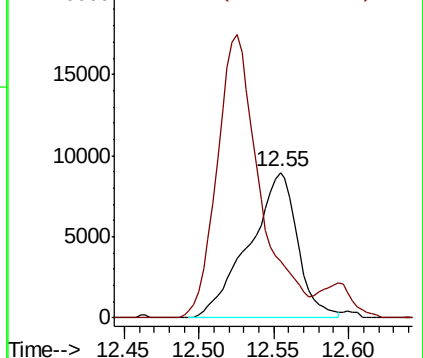
75 100

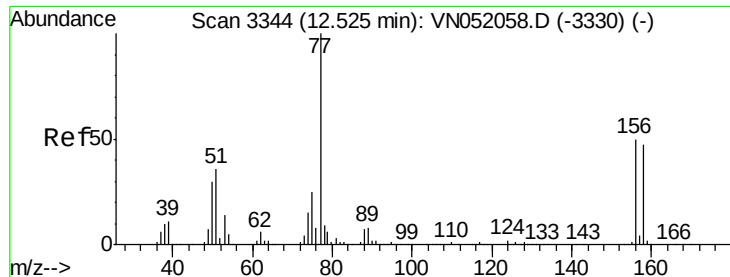
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052058.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN052058.D (-3347) (-)





#77

Bromobenzene

Concen: 5.474 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

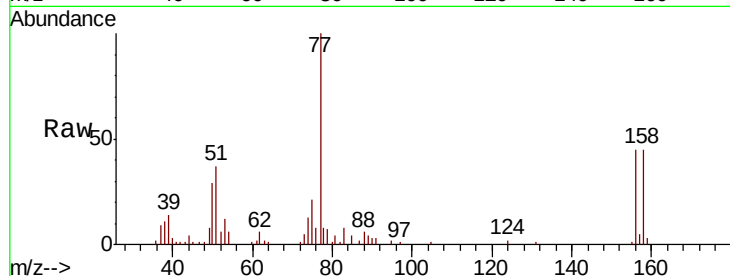
Tgt Ion:156 Resp: 13347

Ion Ratio Lower Upper

156 100

77 259.7 119.6 358.6

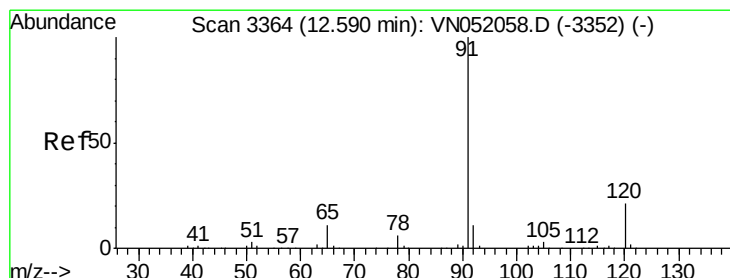
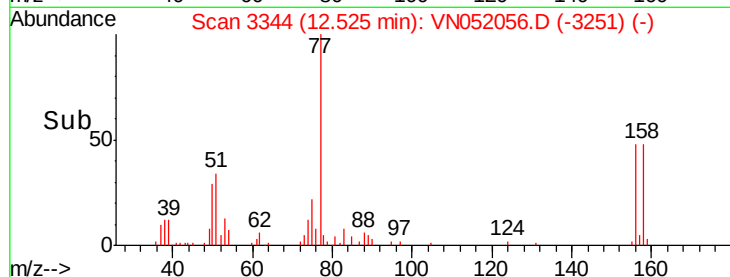
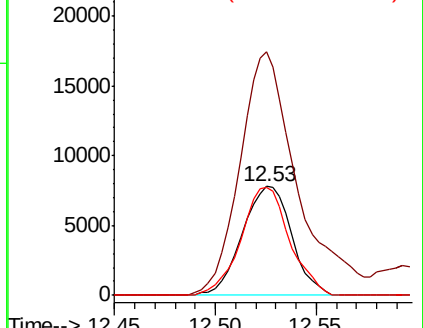
158 97.8 47.8 143.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.620 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN052056.D

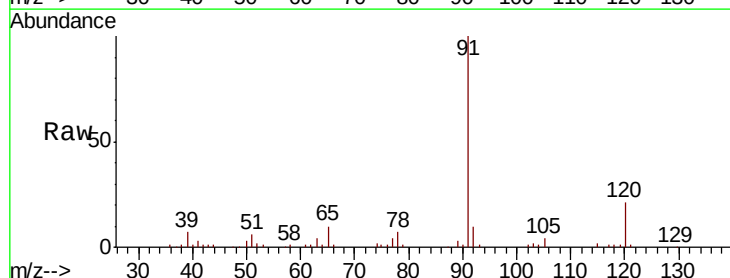
Acq: 30 Oct 2018 9:52

Tgt Ion: 91 Resp: 79442

Ion Ratio Lower Upper

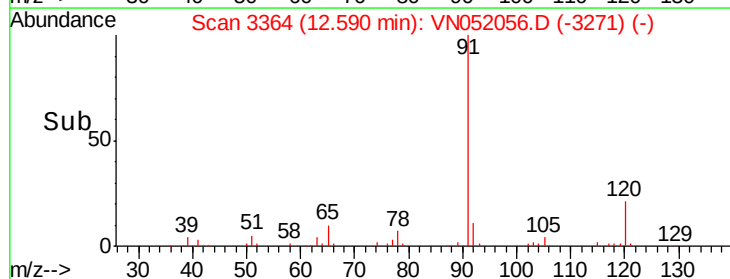
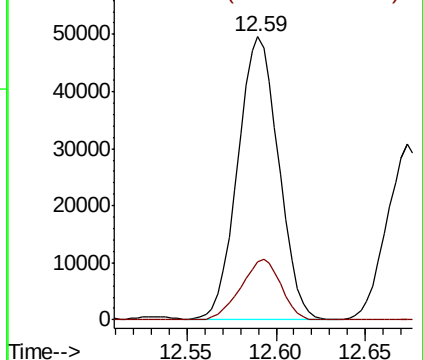
91 100

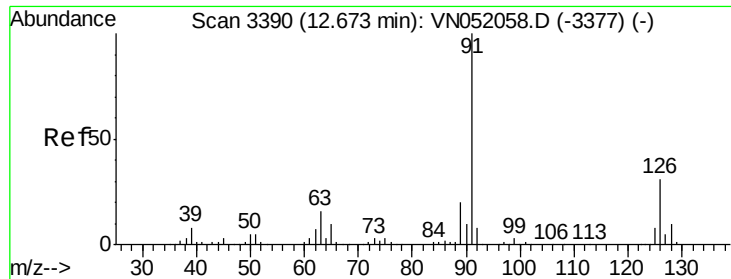
120 21.0 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 6.218 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

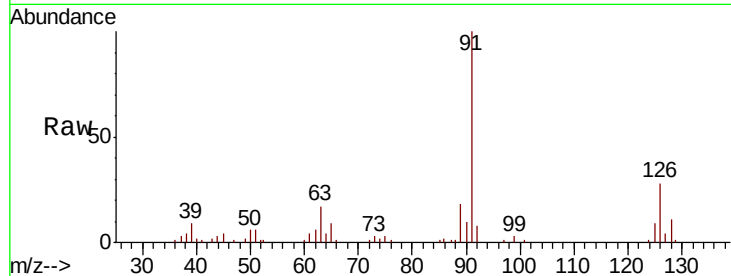
ClientSampleId :

Tgt Ion: 91 Resp: 49361

Ion Ratio Lower Upper

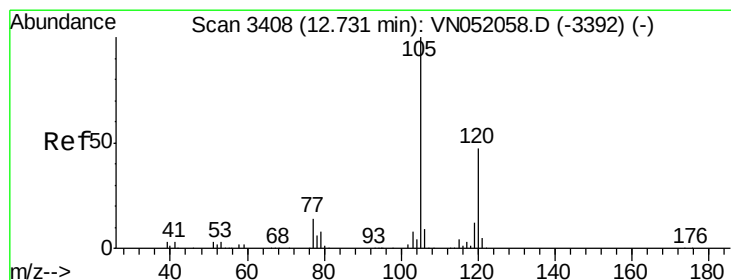
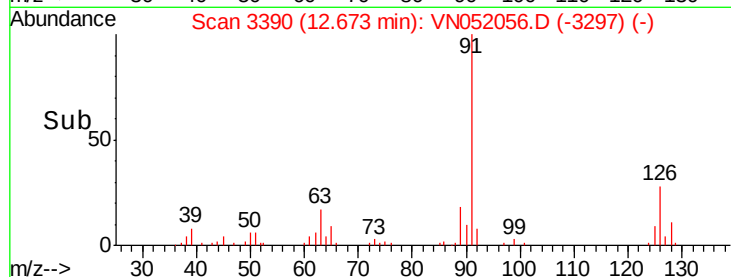
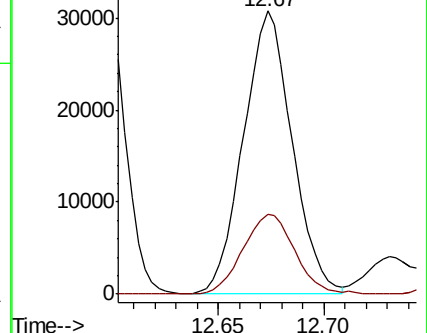
91 100

126 30.0 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VN052058.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN052058.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.742 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052056.D

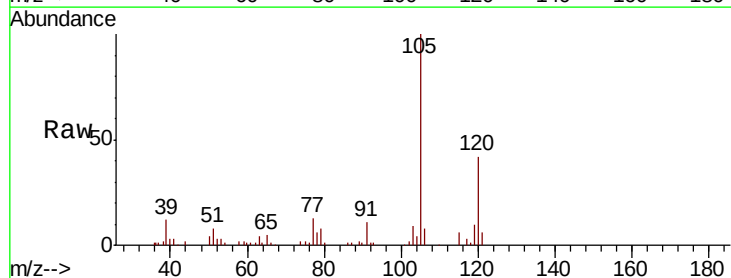
Acq: 30 Oct 2018 9:52

Tgt Ion: 105 Resp: 53667

Ion Ratio Lower Upper

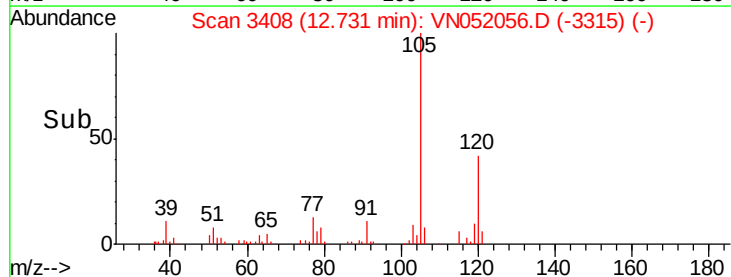
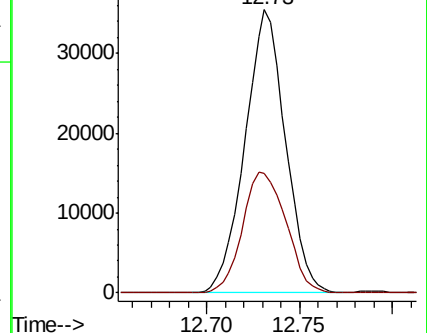
105 100

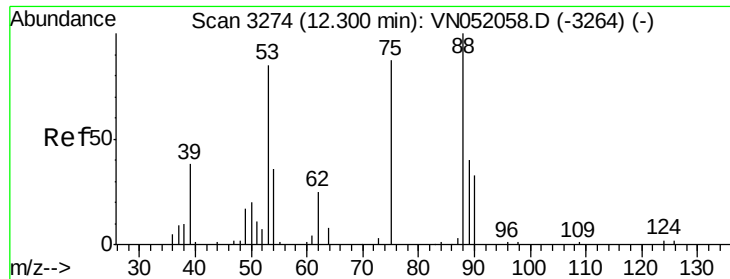
120 45.7 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN052058.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN052058.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 4.392 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampled :

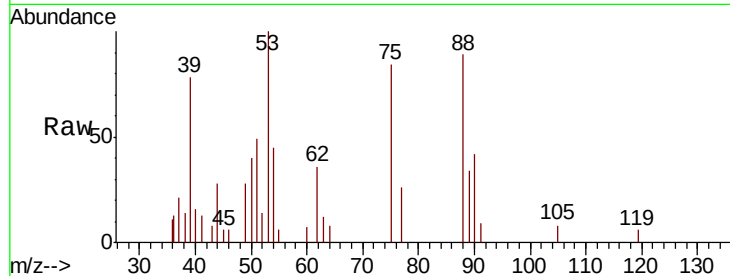
Tgt Ion: 75 Resp: 3253

Ion Ratio Lower Upper

75 100

53 147.3 81.8 122.6#

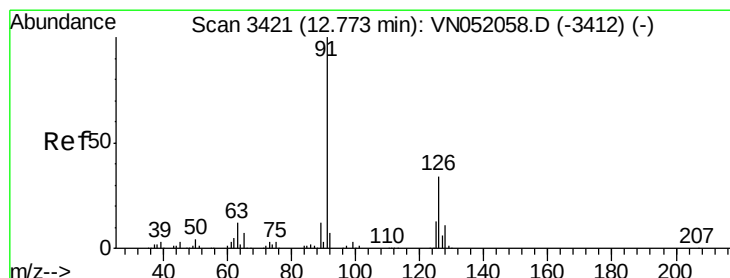
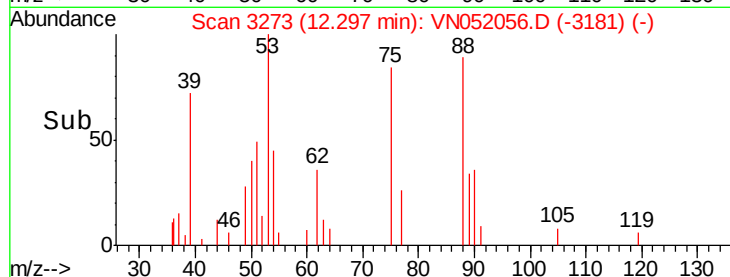
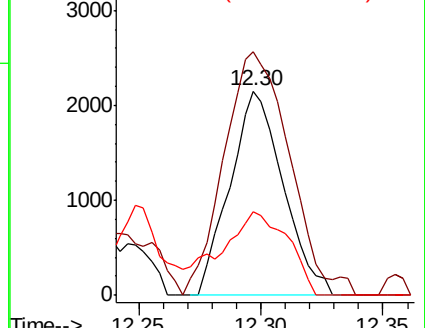
89 52.3 36.6 54.8



Abundance Ion 74.90 (74.60 to 75.60): VN052058.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN052058.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN052058.D (-3264) (-)



#82

4-Chlorotoluene

Concen: 5.938 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN052056.D

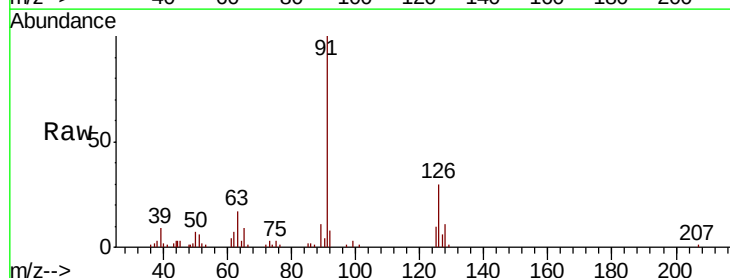
Acq: 30 Oct 2018 9:52

Tgt Ion: 91 Resp: 47696

Ion Ratio Lower Upper

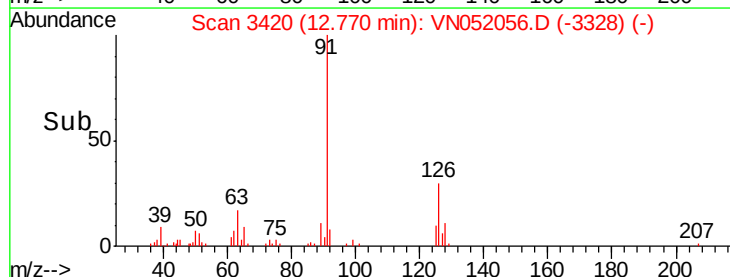
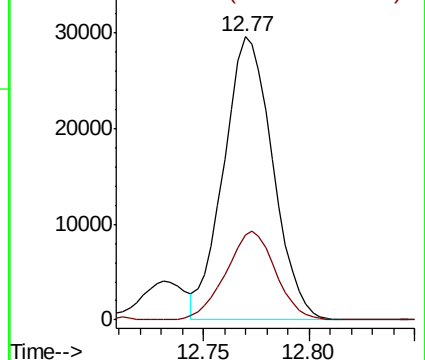
91 100

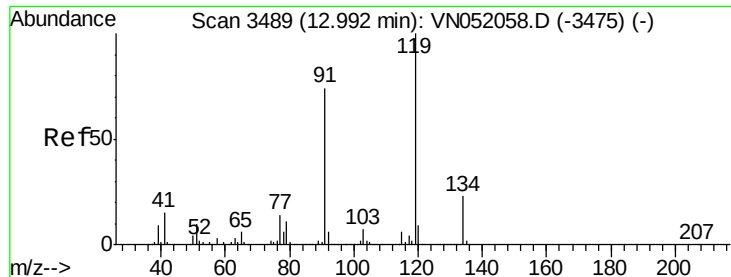
126 31.9 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VN052058.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN052058.D (-3412) (-)

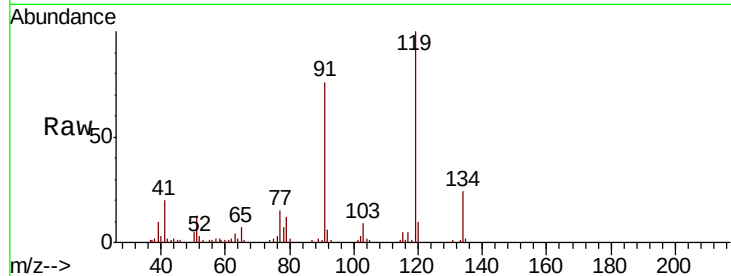




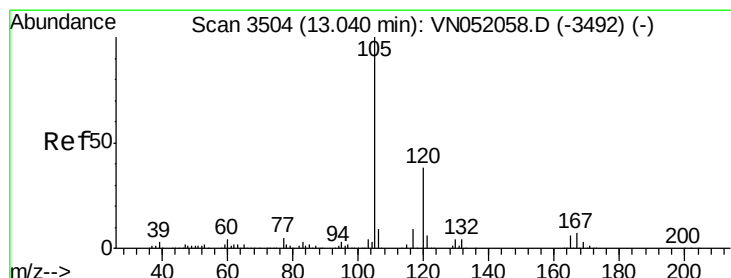
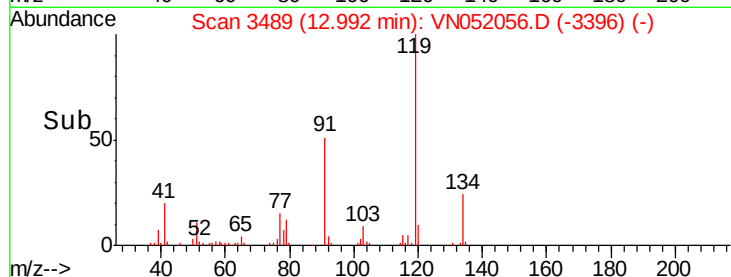
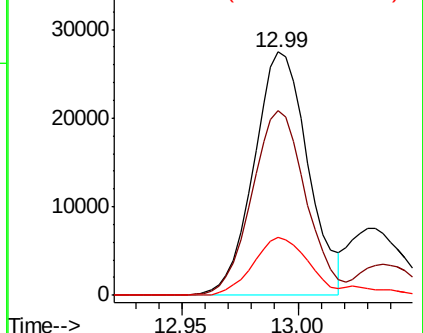
#83
 tert-Butylbenzene
 Concen: 5.604 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN052056.D
 Acq: 30 Oct 2018 9:52

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion:119 Resp: 44571
 Ion Ratio Lower Upper
 119 100
 91 75.8 36.6 109.9
 134 24.1 12.5 37.5

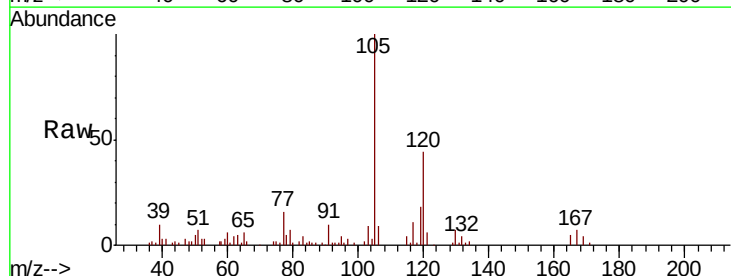


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

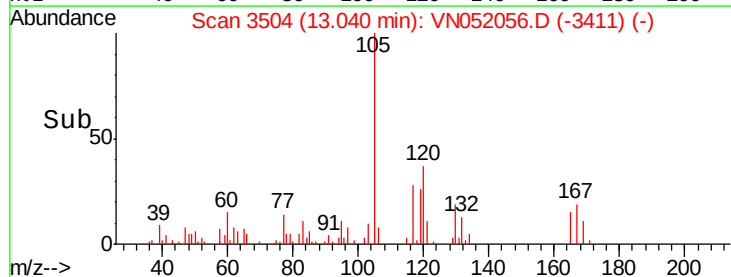
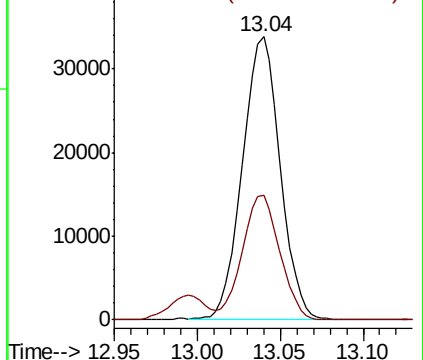


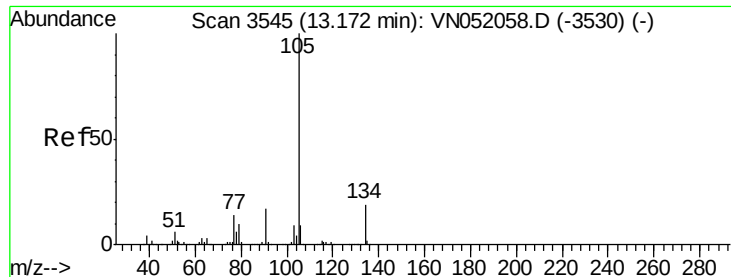
#84
 1,2,4-Trimethylbenzene
 Concen: 5.865 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052056.D
 Acq: 30 Oct 2018 9:52

Tgt Ion:105 Resp: 53583
 Ion Ratio Lower Upper
 105 100
 120 43.8 21.9 65.5



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 5.633 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

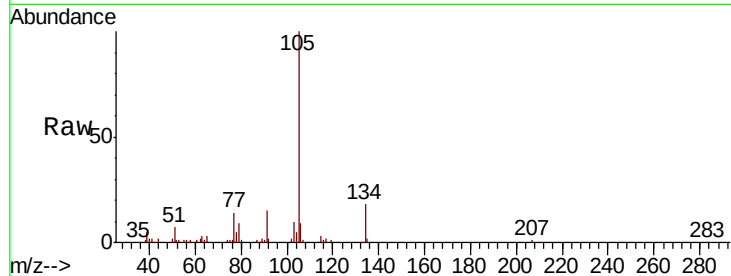
ClientSampleId :

Tgt Ion:105 Resp: 63369

Ion Ratio Lower Upper

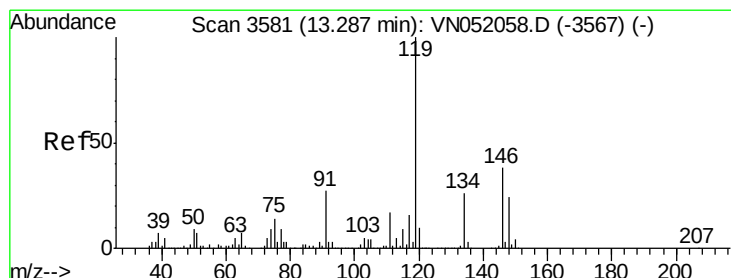
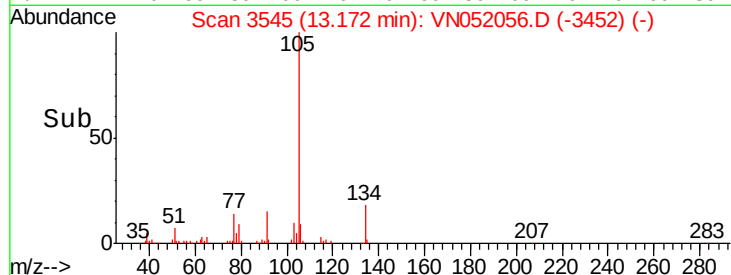
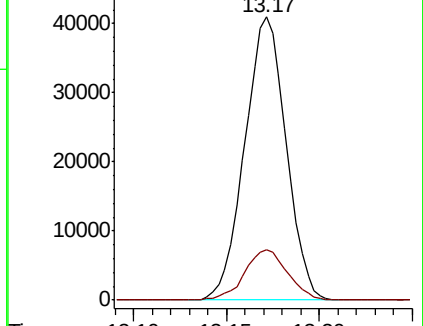
105 100

134 18.4 9.1 27.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.485 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

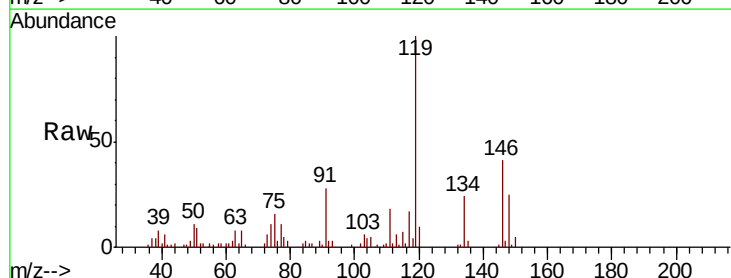
Tgt Ion:119 Resp: 50046

Ion Ratio Lower Upper

119 100

134 24.7 12.8 38.3

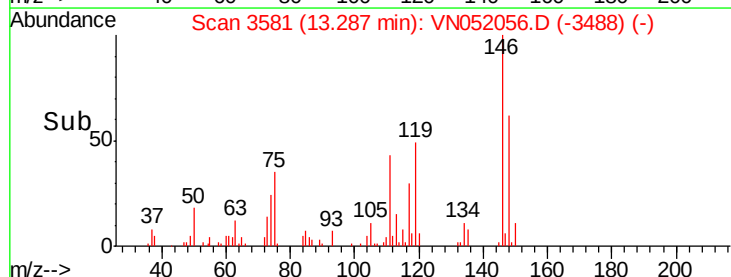
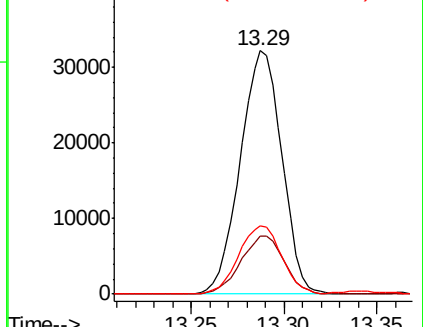
91 28.9 13.4 40.2

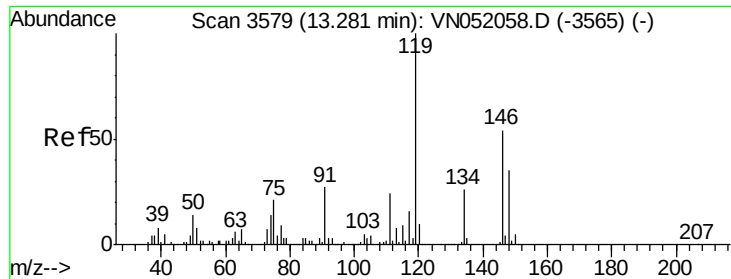


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

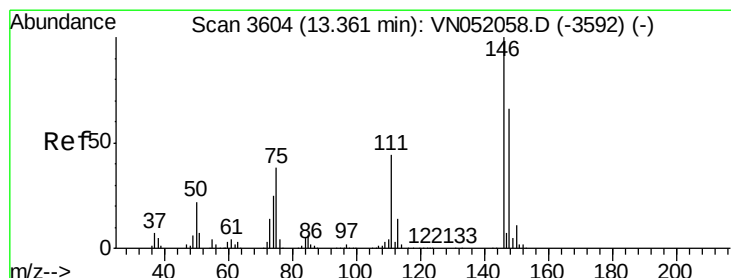
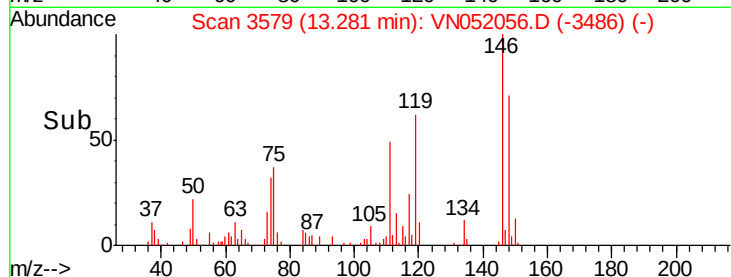
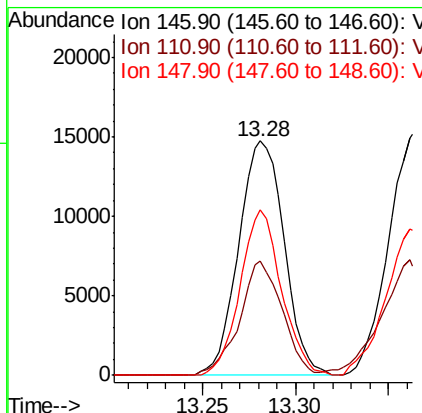
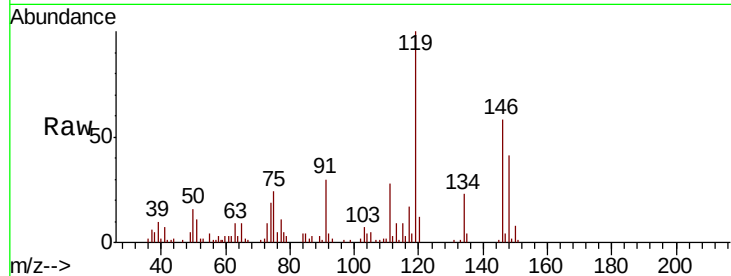




#87
 1,3-Dichlorobenzene
 Concen: 5.629 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052056.D
 Acq: 30 Oct 2018 9:52

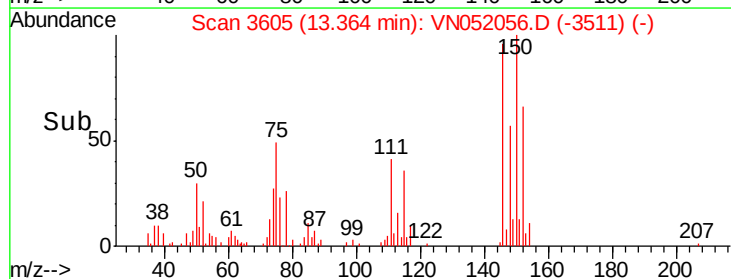
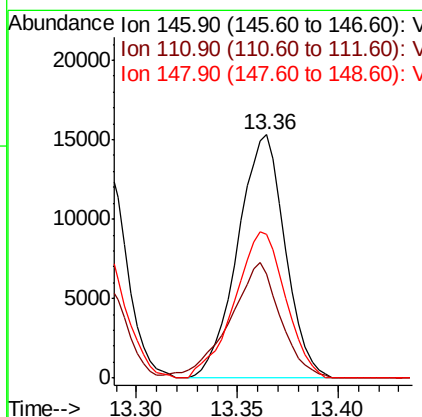
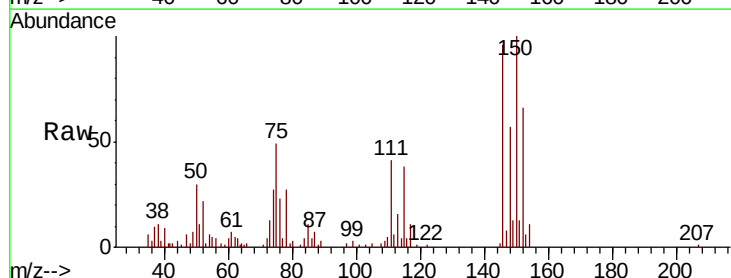
Instrument :
 MSVOA_N
 ClientSampleId :

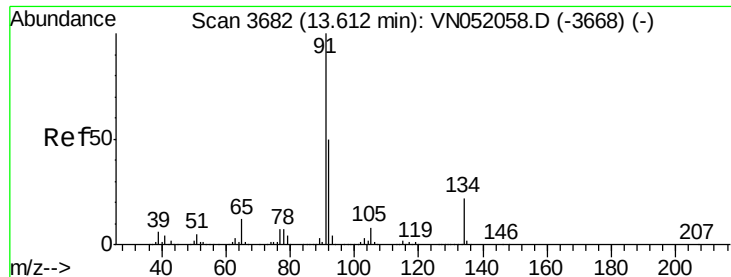
Tgt Ion:146 Resp: 25087
 Ion Ratio Lower Upper
 146 100
 111 45.7 22.9 68.8
 148 64.1 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 5.550 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052056.D
 Acq: 30 Oct 2018 9:52

Tgt Ion:146 Resp: 25177
 Ion Ratio Lower Upper
 146 100
 111 50.8 21.9 65.8
 148 64.6 32.6 98.0





#89

n-Butylbenzene

Concen: 5.529 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN052056.D

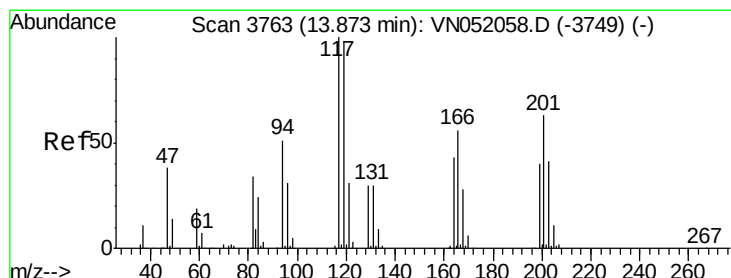
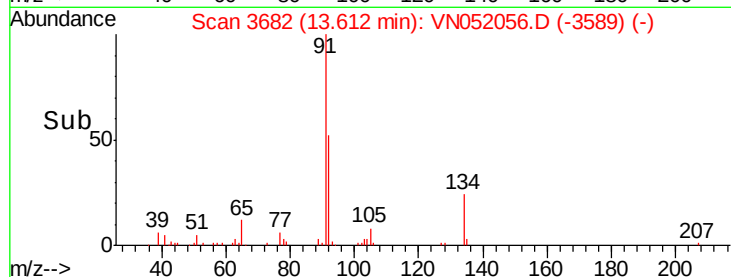
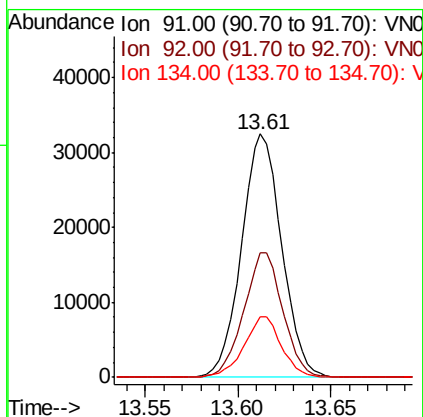
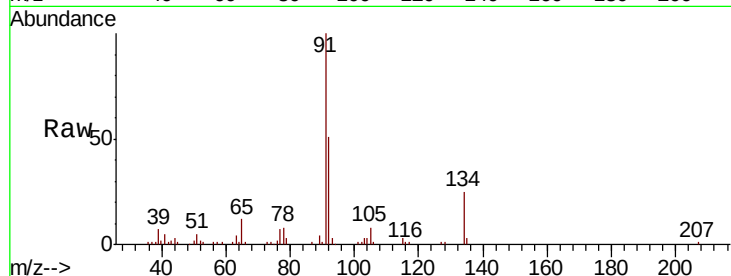
Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	91	Resp:	48739
Ion	Ratio	Lower	Upper
91	100		
92	49.9	25.3	75.8
134	23.1	11.2	33.5



#90

Hexachloroethane

Concen: 5.039 ug/l

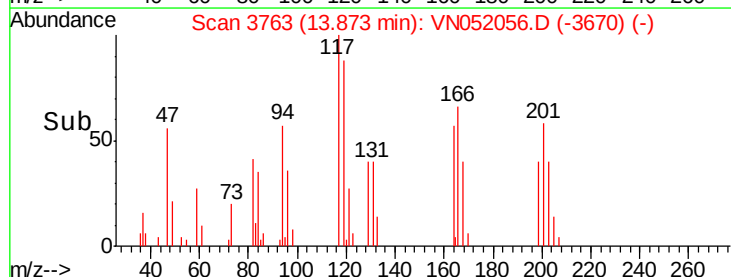
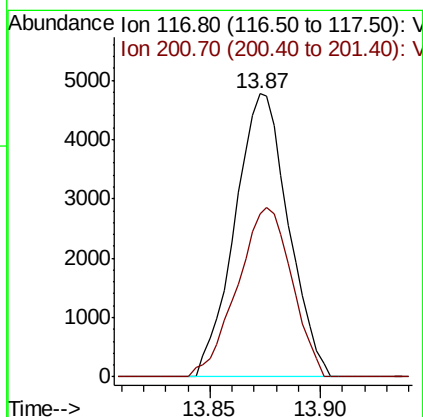
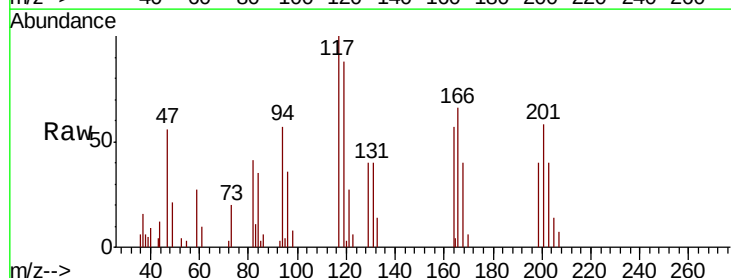
RT: 13.87 min Scan# 3763

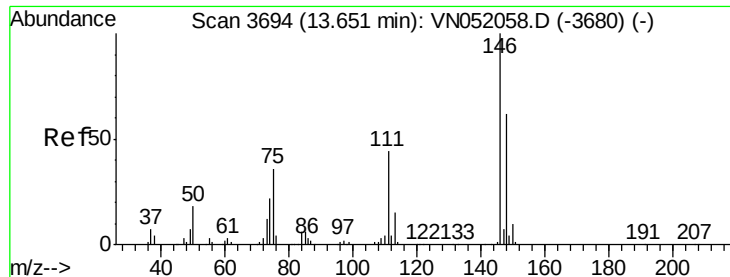
Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Tgt Ion:	117	Resp:	8014
Ion	Ratio	Lower	Upper
117	100		
201	60.8	31.1	93.5

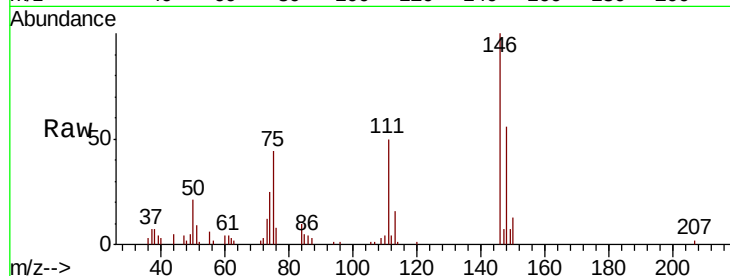




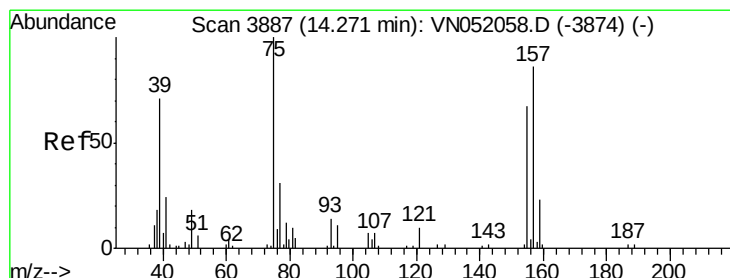
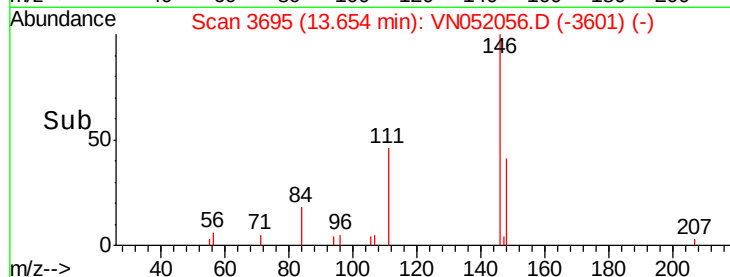
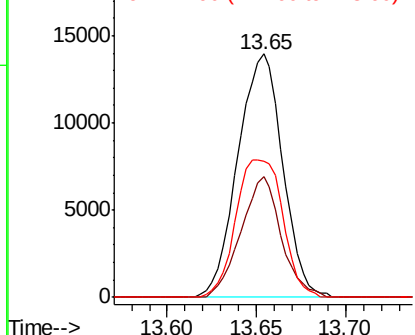
#91
 1,2-Dichlorobenzene
 Concen: 5.982 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052056.D
 Acq: 30 Oct 2018 9:52

Instrument :
 MSVOA_N
 ClientSampled :

Tgt Ion: 146 Resp: 24442
 Ion Ratio Lower Upper
 146 100
 111 44.5 22.5 67.5
 148 59.2 30.9 92.8

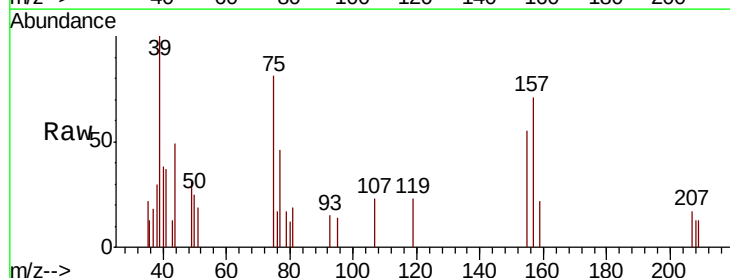


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

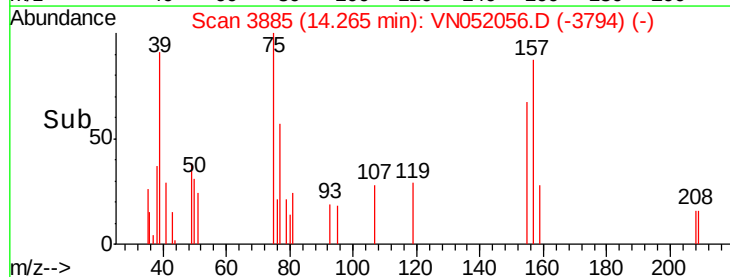
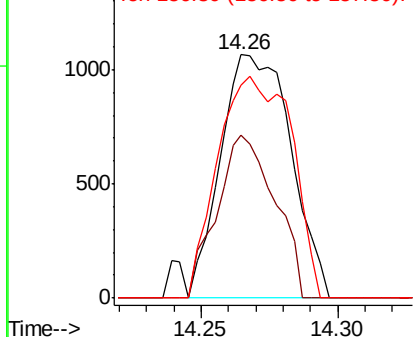


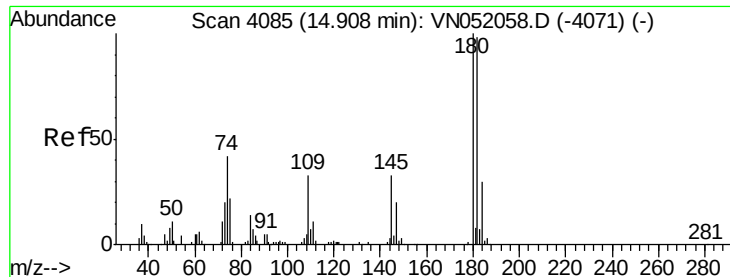
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 7.362 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.01 min
 Lab File: VN052056.D
 Acq: 30 Oct 2018 9:52

Tgt Ion: 75 Resp: 1908
 Ion Ratio Lower Upper
 75 100
 155 55.1 34.0 102.0
 157 95.9 42.1 126.4



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

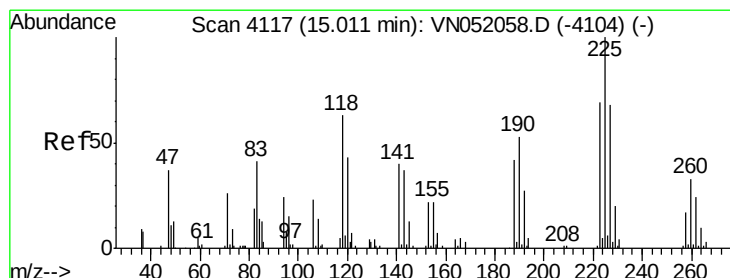
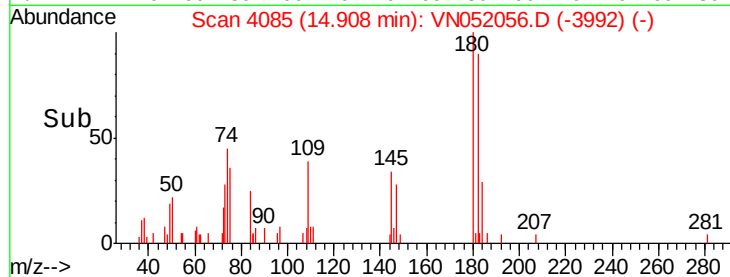
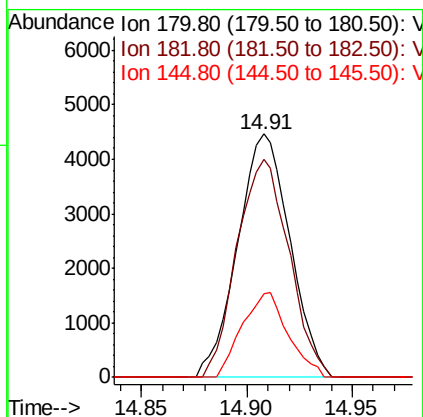
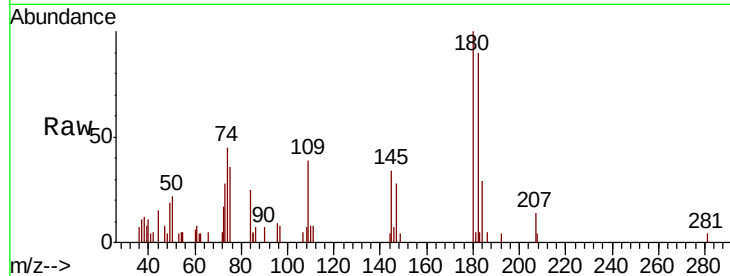




#93
 1,2,4-Trichlorobenzene
 Concen: 5.214 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052056.D
 Acq: 30 Oct 2018 9:52

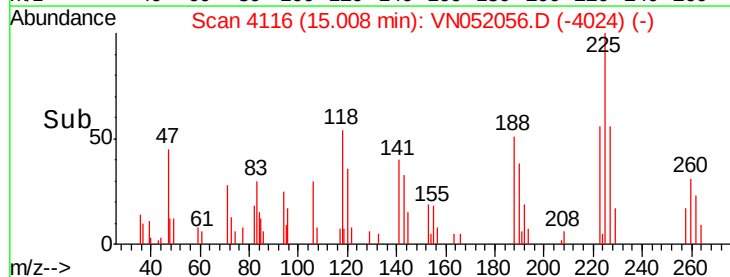
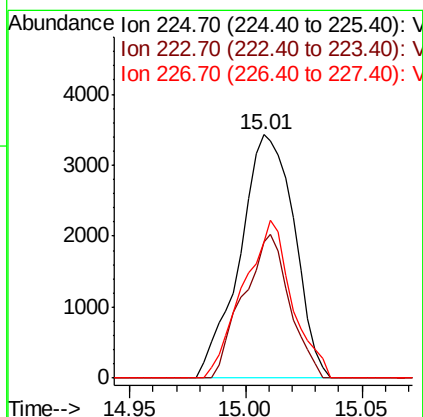
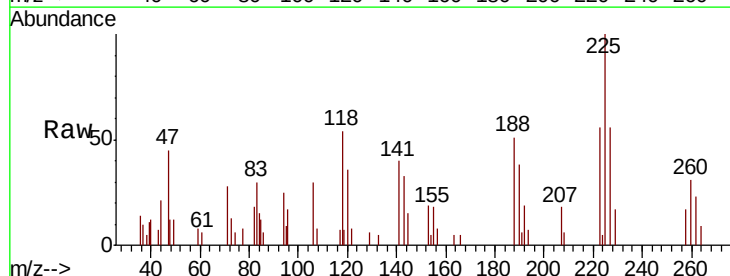
Instrument :
 MSVOA_N
 ClientSampleId :

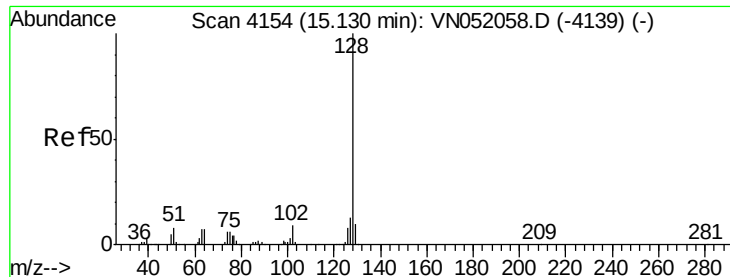
Tgt Ion:180 Resp: 7691
 Ion Ratio Lower Upper
 180 100
 182 88.9 49.1 147.4
 145 30.7 16.4 49.2



#94
 Hexachlorobutadiene
 Concen: 6.472 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN052056.D
 Acq: 30 Oct 2018 9:52

Tgt Ion:225 Resp: 5591
 Ion Ratio Lower Upper
 225 100
 223 50.3 33.1 99.3
 227 58.3 32.6 97.8





#95

Naphthalene

Concen: 4.682 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampled :

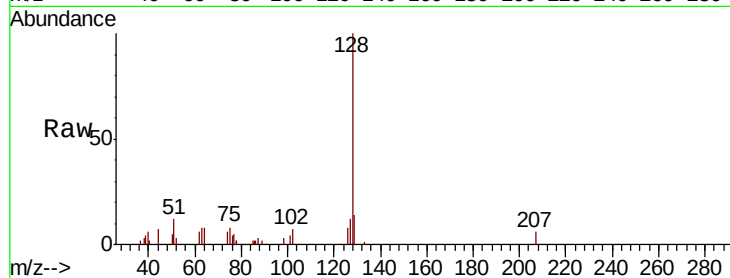
Tgt Ion:128 Resp: 18308

Ion Ratio Lower Upper

128 100

127 14.0 10.5 15.7

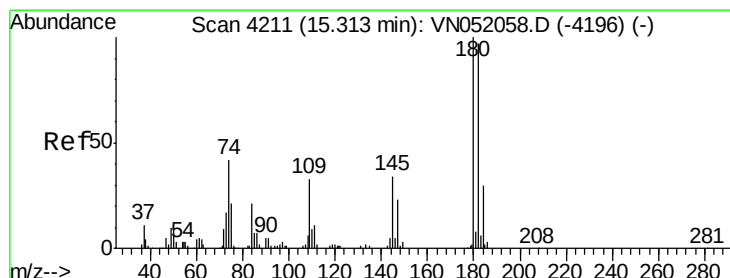
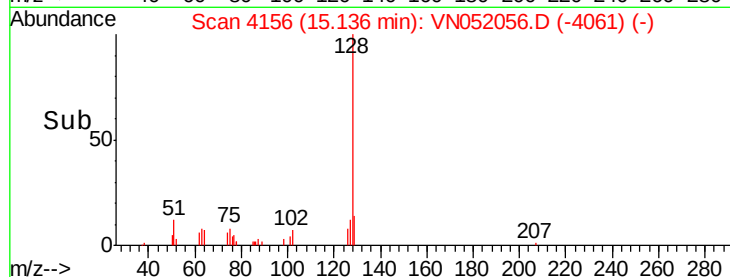
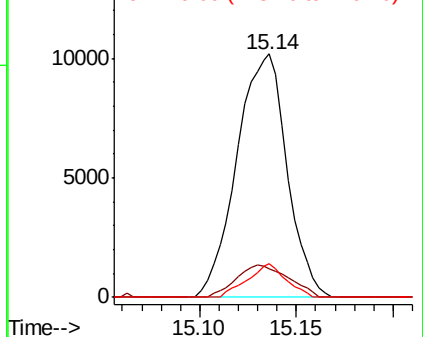
129 10.7 8.6 12.8



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



#96

1,2,3-Trichlorobenzene

Concen: 4.954 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

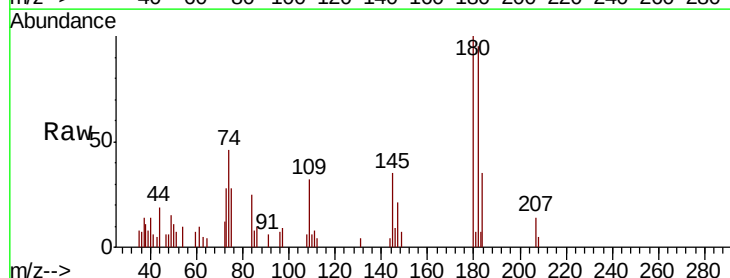
Tgt Ion:180 Resp: 6635

Ion Ratio Lower Upper

180 100

182 95.3 47.2 141.6

145 35.4 16.6 49.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

