

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111618\
 Data File : VN052360.D
 Acq On : 16 Nov 2018 13:13
 Operator : MD\SY
 Sample : VN1116WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS02

Quant Time: Nov 16 22:38:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	245322	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	415857	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	373823	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	164153	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	153269	44.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.48%	
35) Dibromofluoromethane	7.59	113	117253	43.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.42%	
50) Toluene-d8	10.09	98	454317	43.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.12%	
62) 4-Bromofluorobenzene	12.40	95	147660	42.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	52335	20.132	ug/l	99
3) Chloromethane	2.06	50	69603	19.267	ug/l	98
4) Vinyl Chloride	2.19	62	58841	18.842	ug/l	98
5) Bromomethane	2.57	94	22223	11.415	ug/l	96
6) Chloroethane	2.71	64	32598	18.462	ug/l	96
7) Trichlorofluoromethane	3.02	101	85337	19.748	ug/l	98
8) Diethyl Ether	3.41	74	29831	18.113	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.77	101	51686	18.940	ug/l	97
10) Methyl Iodide	3.96	142	35254	9.621	ug/l	98
11) Tert butyl alcohol	4.77	59	15982	87.342	ug/l	96
12) 1,1-Dichloroethene	3.74	96	46343	18.351	ug/l	96
13) Acrolein	3.61	56	16184	75.303	ug/l	95
14) Allyl chloride	4.33	41	97858	18.872	ug/l	97
15) Acrylonitrile	4.99	53	93354	89.346	ug/l	98
16) Acetone	3.82	43	74889	78.501	ug/l	96
17) Carbon Disulfide	4.06	76	130708	18.050	ug/l	97
18) Methyl Acetate	4.33	43	48024	18.241	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	131290	18.091	ug/l	97
20) Methylene Chloride	4.55	84	57715	19.458	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	50157	18.447	ug/l	99
22) Diisopropyl ether	5.96	45	202062	19.098	ug/l	98
23) Vinyl Acetate	5.90	43	655484	91.329	ug/l	100
24) 1,1-Dichloroethane	5.85	63	107248	18.904	ug/l	99
25) 2-Butanone	6.84	43	114610	85.351	ug/l	96
26) 2,2-Dichloropropane	6.83	77	79826	19.135	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	57099	18.040	ug/l	95
28) Bromochloromethane	7.20	49	52120	17.867	ug/l	98
29) Tetrahydrofuran	7.21	42	77753	88.142	ug/l	99
30) Chloroform	7.37	83	103899	19.217	ug/l	94
31) Cyclohexane	7.66	56	102629	18.822	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	87135	18.919	ug/l	98
36) 1,1-Dichloropropene	7.80	75	79834	19.153	ug/l	99
37) Ethyl Acetate	6.93	43	52031	17.200	ug/l	97
38) Carbon Tetrachloride	7.78	117	74896	19.558	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111618\
 Data File : VN052360.D
 Acq On : 16 Nov 2018 13:13
 Operator : MD\SY
 Sample : VN1116WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS02

Quant Time: Nov 16 22:38:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	86422	18.163	ug/l	98
40) Benzene	8.04	78	225504	18.938	ug/l	99
41) Methacrylonitrile	7.18	41	35415	23.217	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	83335	19.626	ug/l	100
43) Isopropyl Acetate	8.17	43	100264	17.177	ug/l	99
44) Trichloroethene	8.84	130	55117	18.791	ug/l	97
45) 1,2-Dichloropropane	9.12	63	61761	18.276	ug/l	98
46) Dibromomethane	9.21	93	35966	18.385	ug/l	96
47) Bromodichloromethane	9.40	83	78775	19.623	ug/l	96
48) Methyl methacrylate	9.20	41	51456	17.373	ug/l	99
49) 1,4-Dioxane	9.20	88	9193	404.316	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	266727	90.776	ug/l	100
52) Toluene	10.16	92	137400	19.289	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	75034	18.533	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	88252	19.121	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	47518	18.402	ug/l	97
56) Ethyl methacrylate	10.43	69	61851	18.213	ug/l	96
57) 1,3-Dichloropropane	10.71	76	86457	18.902	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	192805	99.722	ug/l	99
59) 2-Hexanone	10.75	43	171719	84.966	ug/l	97
60) Dibromochloromethane	10.90	129	51446	18.414	ug/l	98
61) 1,2-Dibromoethane	11.00	107	47602	18.506	ug/l	98
64) Tetrachloroethene	10.63	164	55890	21.030	ug/l	94
65) Chlorobenzene	11.43	112	146745	18.571	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	52331	19.421	ug/l	99
67) Ethyl Benzene	11.51	91	263168	19.189	ug/l	98
68) m/p-Xylenes	11.62	106	194871	38.890	ug/l	100
69) o-Xylene	11.95	106	92207	19.197	ug/l	98
70) Styrene	11.96	104	150939	19.625	ug/l	99
71) Bromoform	12.13	173	28313	17.797	ug/l #	99
73) Isopropylbenzene	12.25	105	251703	19.072	ug/l	99
74) N-amyl acetate	12.07	43	84419	17.959	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	56953	17.851	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	74097	26.602	ug/l #	100
77) Bromobenzene	12.53	156	58133	18.931	ug/l	99
78) n-propylbenzene	12.59	91	298488	19.338	ug/l	99
79) 2-Chlorotoluene	12.67	91	172365	19.116	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	207273	19.749	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	13475	15.691	ug/l	86
82) 4-Chlorotoluene	12.77	91	172842	18.710	ug/l	99
83) tert-Butylbenzene	12.99	119	178568	19.272	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	205751	19.528	ug/l	98
85) sec-Butylbenzene	13.17	105	248881	19.718	ug/l	99
86) p-Isopropyltoluene	13.29	119	209152	19.562	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	102941	18.875	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	100717	18.575	ug/l	97
89) n-Butylbenzene	13.61	91	182250	19.846	ug/l	99
90) Hexachloroethane	13.87	117	36211	19.121	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	100386	18.999	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	8792	18.688	ug/l	92

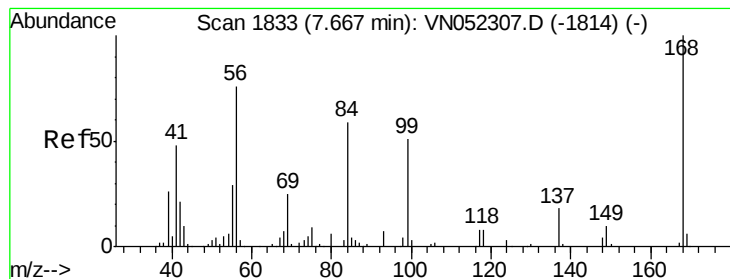
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111618\
Data File : VN052360.D
Acq On : 16 Nov 2018 13:13
Operator : MD\SY
Sample : VN1116WBS02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS02

Quant Time: Nov 16 22:38:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 15 03:02:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	43903	19.308	ug/l	98
94) Hexachlorobutadiene	15.01	225	24624	20.361	ug/l	98
95) Naphthalene	15.13	128	92048	17.620	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	39806	19.826	ug/l	99

(#) = 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: VN052360.D

Acq: 16 Nov 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

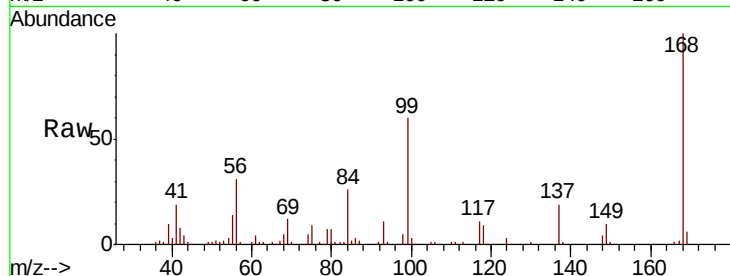
VN1116WBS02

Tot Ion:168 Resp: 245322

Ion Ratio Lower Upper

168 100

99 60.0 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

100000

80000

60000

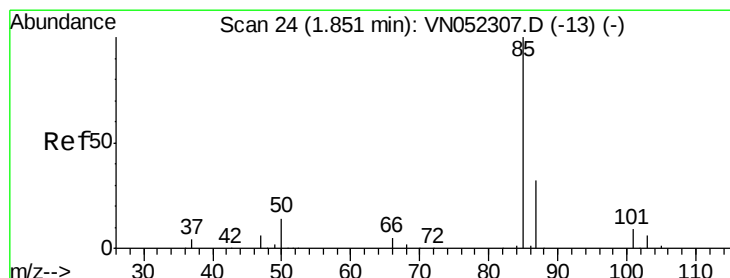
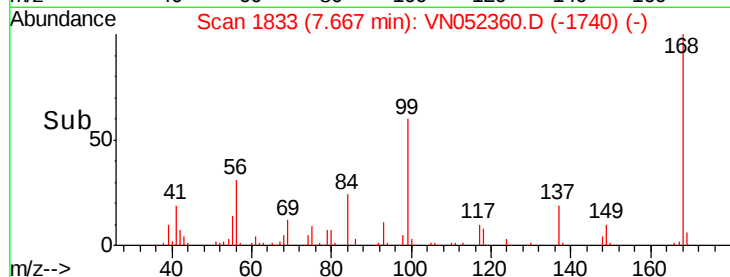
40000

20000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.132 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052360.D

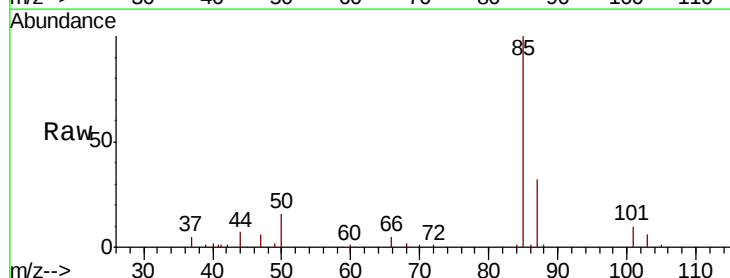
Acq: 16 Nov 2018 13:13

Tgt Ion: 85 Resp: 52335

Ion Ratio Lower Upper

85 100

87 32.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

40000

30000

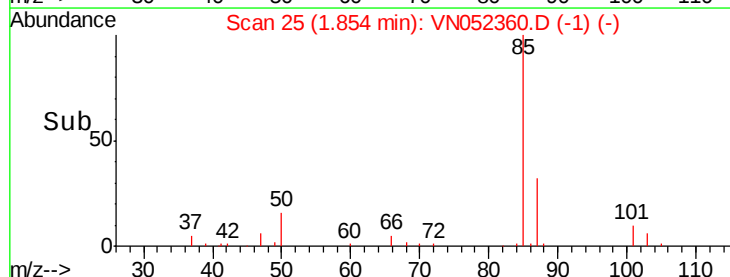
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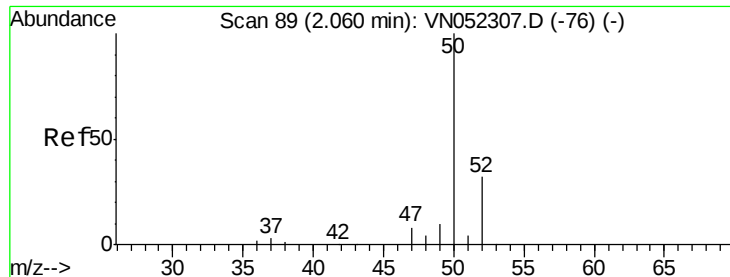
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 19.267 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

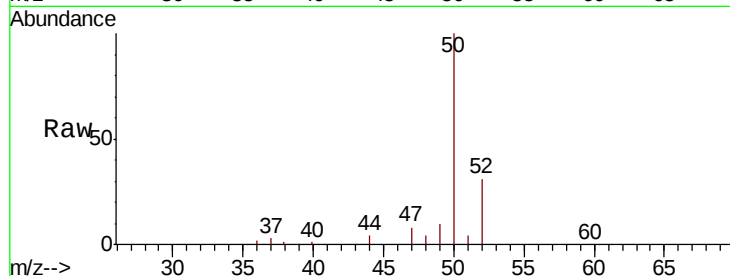
VN1116WBS02

Tot Ion: 50 Resp: 69603

Ion Ratio Lower Upper

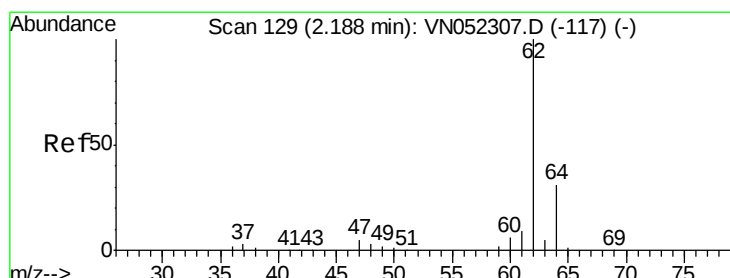
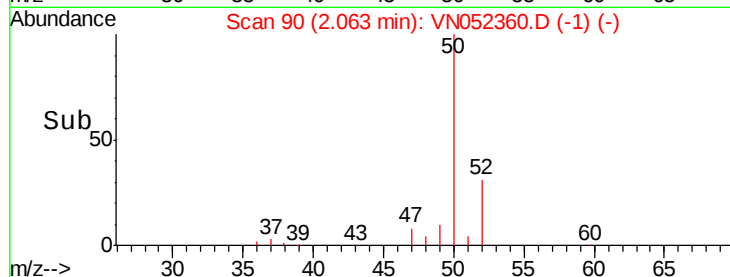
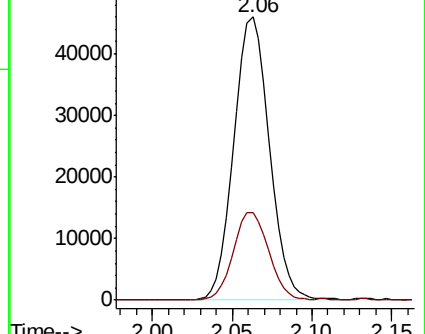
50 100

52 30.7 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 18.842 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052360.D

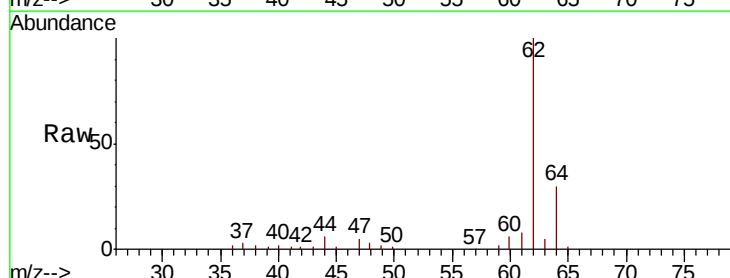
Acq: 16 Nov 2018 13:13

Tgt Ion: 62 Resp: 58841

Ion Ratio Lower Upper

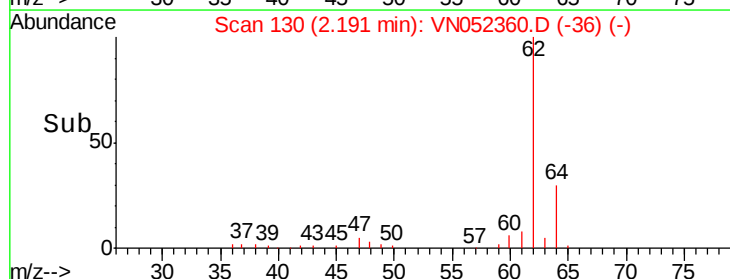
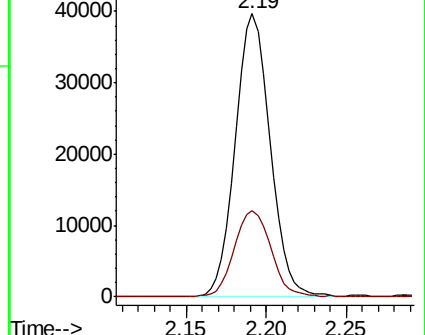
62 100

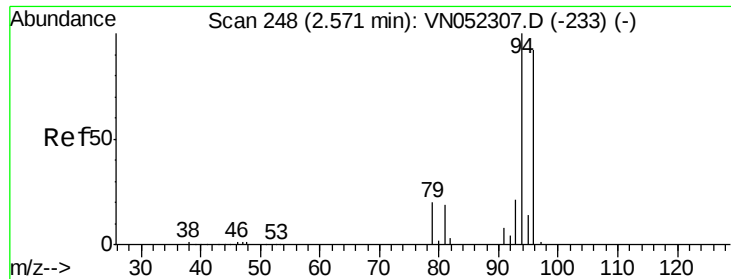
64 30.3 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 11.415 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

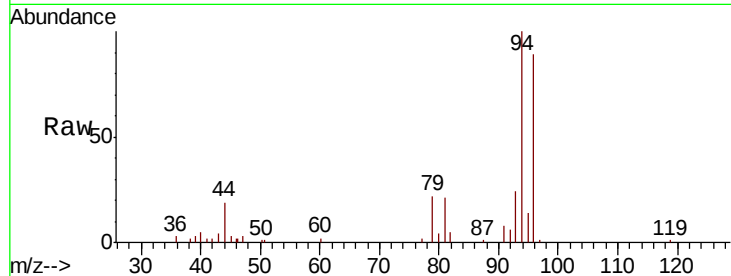
VN1116WBS02

Tot Ion: 94 Resp: 22223

Ion Ratio Lower Upper

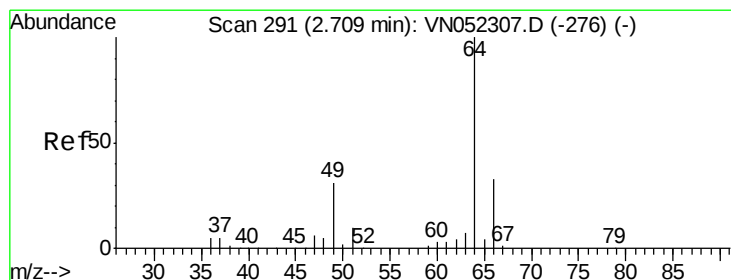
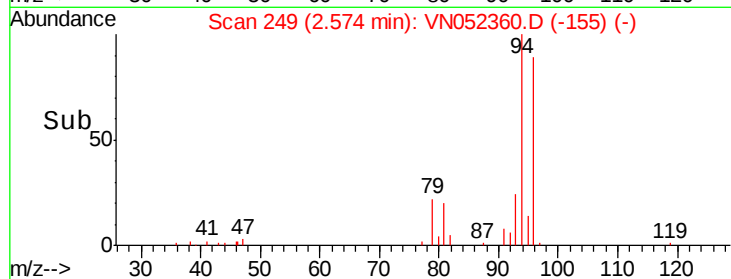
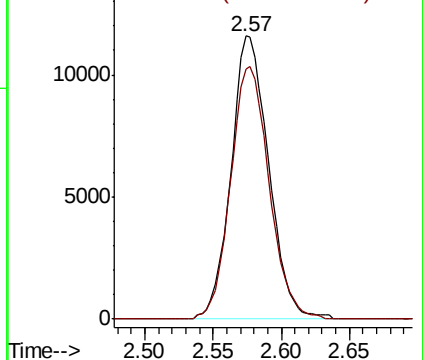
94 100

96 88.6 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.462 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052360.D

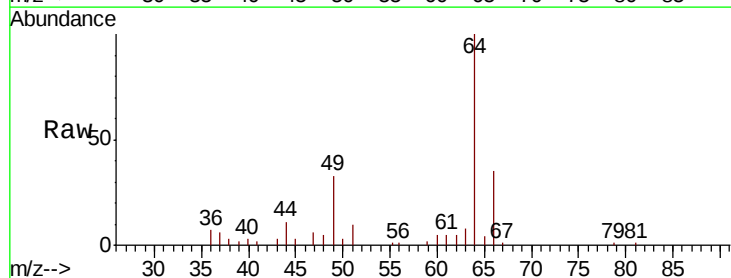
Acq: 16 Nov 2018 13:13

Tgt Ion: 64 Resp: 32598

Ion Ratio Lower Upper

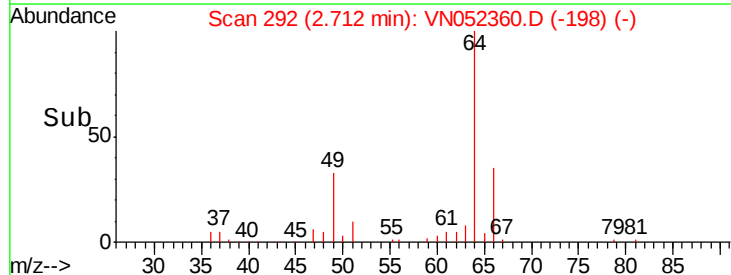
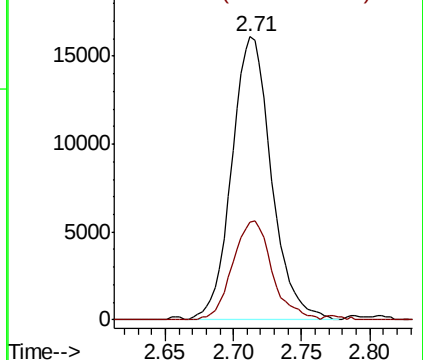
64 100

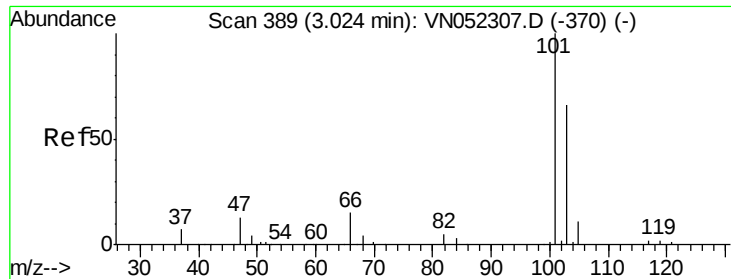
66 34.7 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



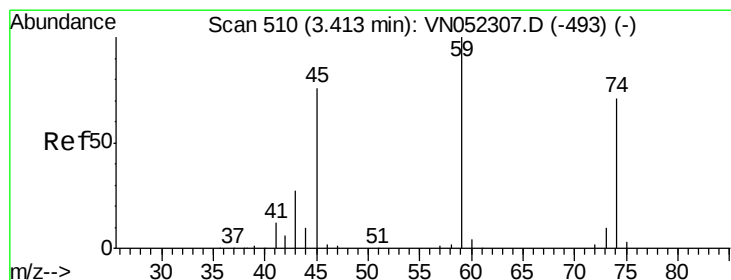
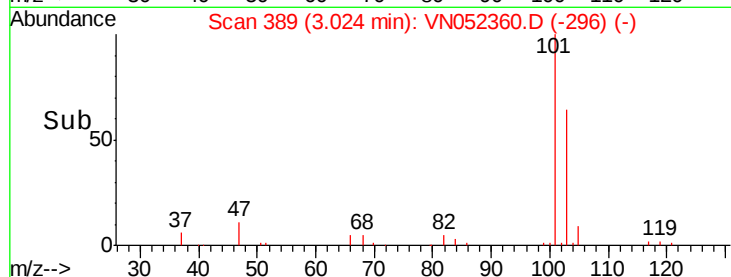
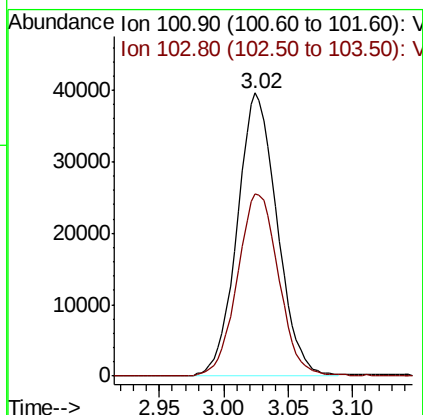
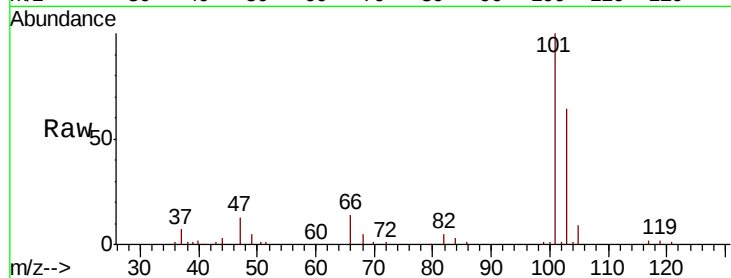


#7

Trichlorofluoromethane
 Concen: 19.748 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN052360.D
 Acq: 16 Nov 2018 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS02

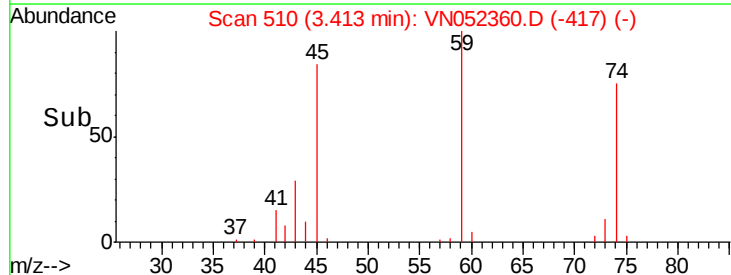
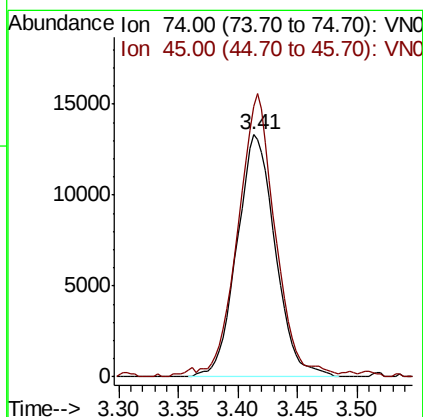
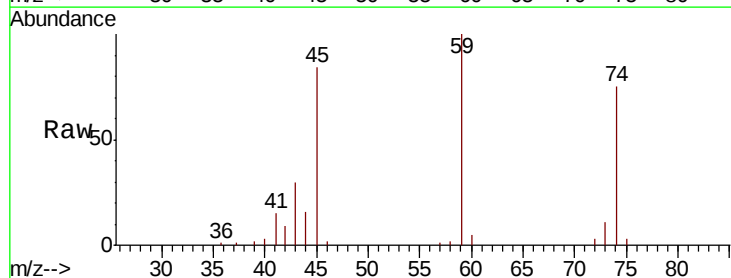
Tot Ion:101 Resp: 85337
 Ion Ratio Lower Upper
 101 100
 103 64.3 52.8 79.2

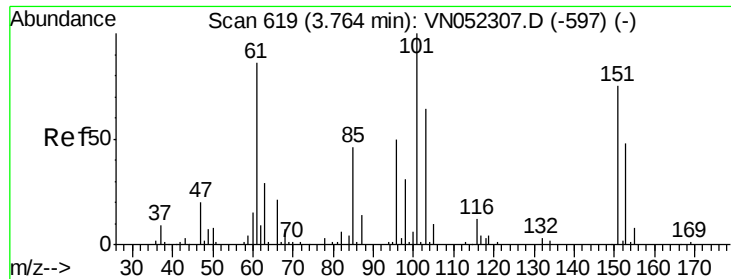


#8

Diethyl Ether
 Concen: 18.113 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052360.D
 Acq: 16 Nov 2018 13:13

Tgt Ion: 74 Resp: 29831
 Ion Ratio Lower Upper
 74 100
 45 108.3 54.3 162.9

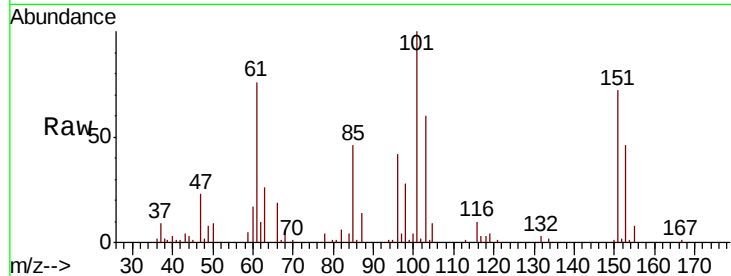




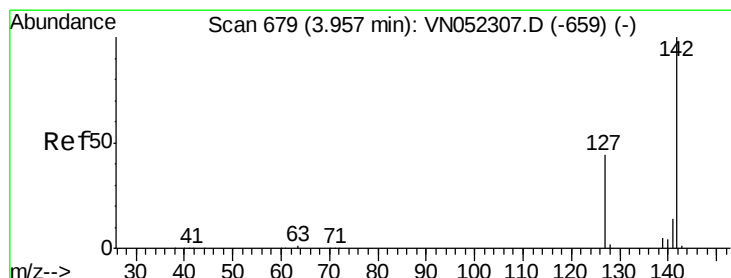
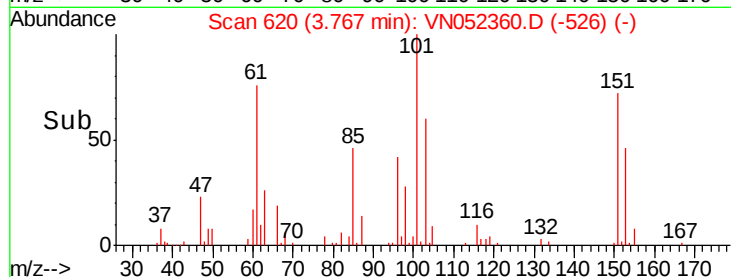
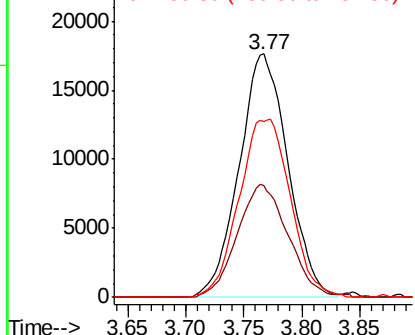
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.940 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN052360.D
 Acq: 16 Nov 2018 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS02

Tot Ion:101 Resp: 51686
 Ion Ratio Lower Upper
 101 100
 85 48.1 37.4 56.0
 151 76.7 58.6 88.0

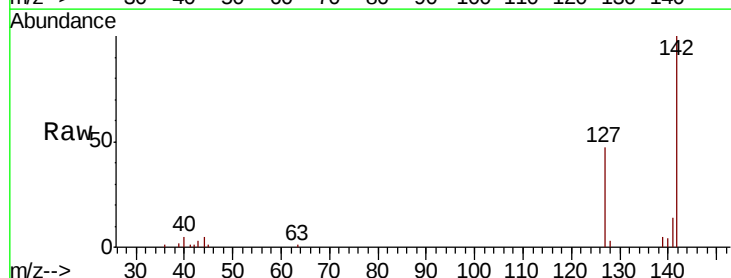


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

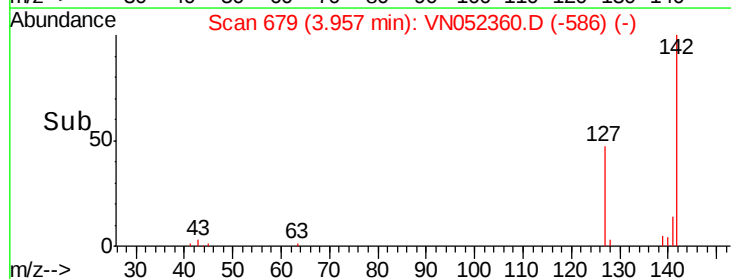
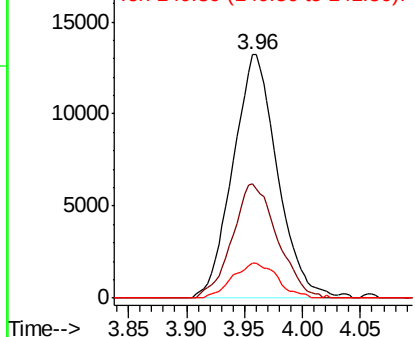


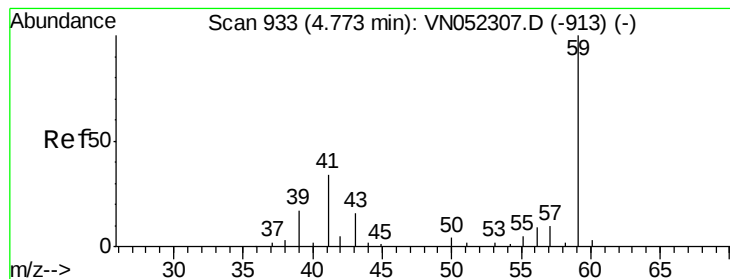
#10
 Methyl Iodide
 Concen: 9.621 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN052360.D
 Acq: 16 Nov 2018 13:13

Tgt Ion:142 Resp: 35254
 Ion Ratio Lower Upper
 142 100
 127 47.4 36.3 54.5
 141 14.4 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: 87.342 ug/l

RT: 4.77 min Scan# 933

Delta R.T. -0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

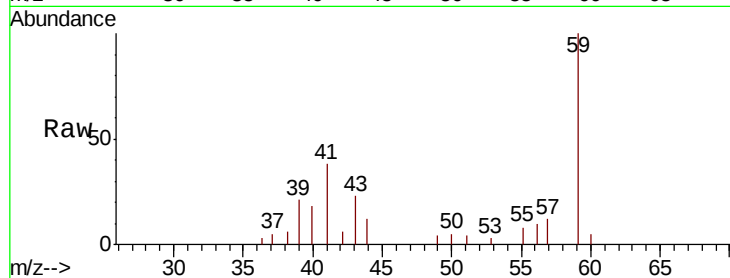
VN1116WBS02

Tot Ion: 59 Resp: 15982

Ion Ratio Lower Upper

59 100

57 9.1 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.77

5000

4000

3000

2000

1000

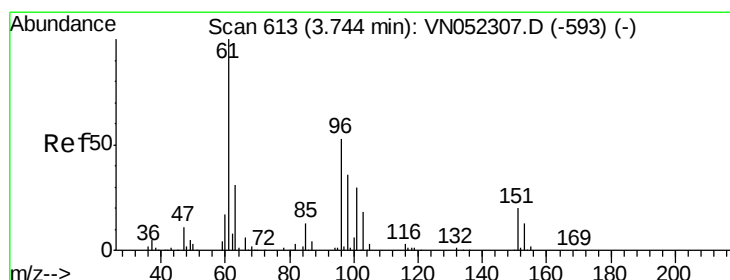
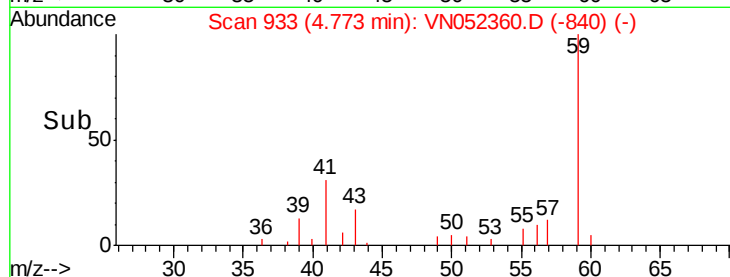
0

Time-->

4.70

4.80

4.90



#12

1,1-Dichloroethene

Concen: 18.351 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

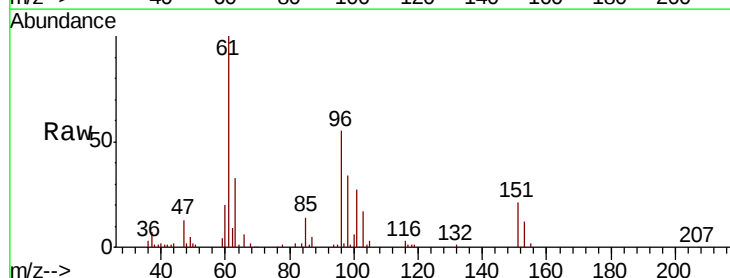
Tgt Ion: 96 Resp: 46343

Ion Ratio Lower Upper

96 100

61 183.3 149.6 224.4

98 61.8 54.2 81.2



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

40000

30000

20000

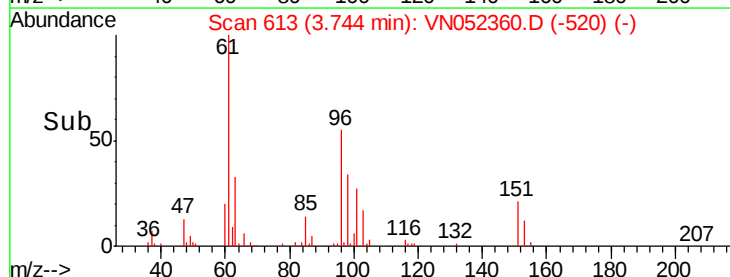
10000

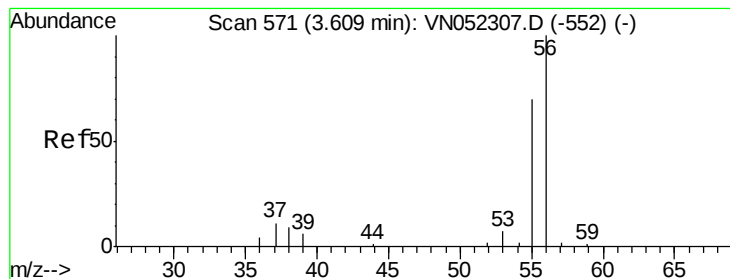
0

Time-->

3.70

3.80





#13

Acrolein

Concen: 75.303 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

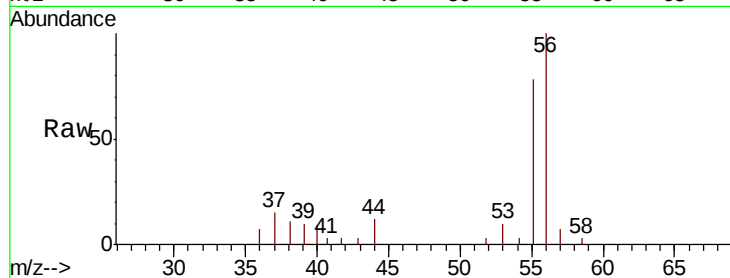
VN1116WBS02

Tot Ion: 56 Resp: 16184

Ion Ratio Lower Upper

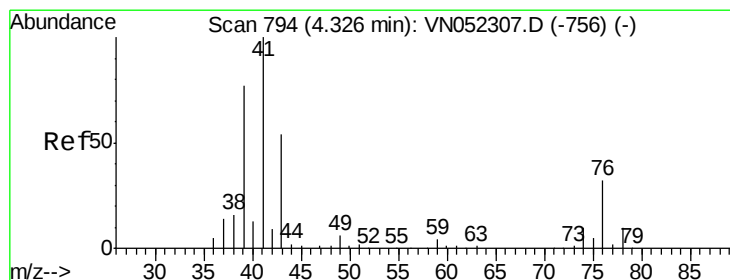
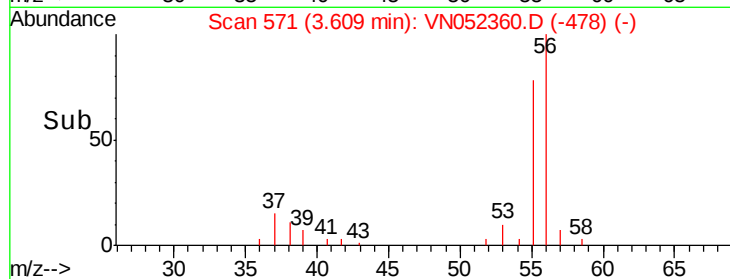
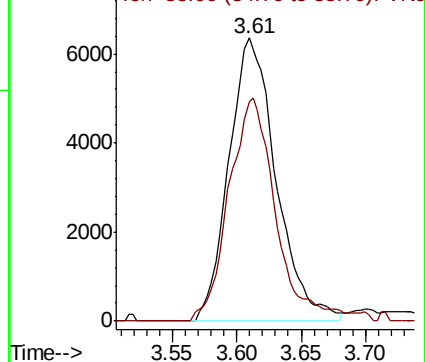
56 100

55 76.3 57.6 86.4



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 18.872 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

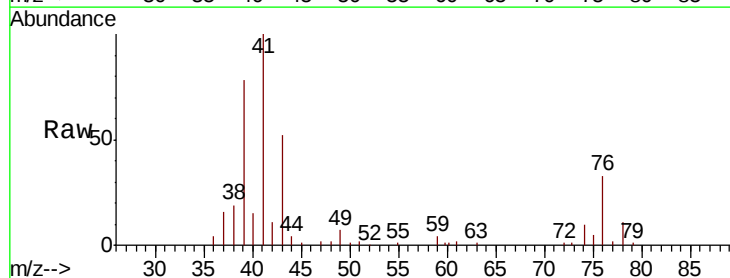
Tgt Ion: 41 Resp: 97858

Ion Ratio Lower Upper

41 100

39 70.6 59.1 88.7

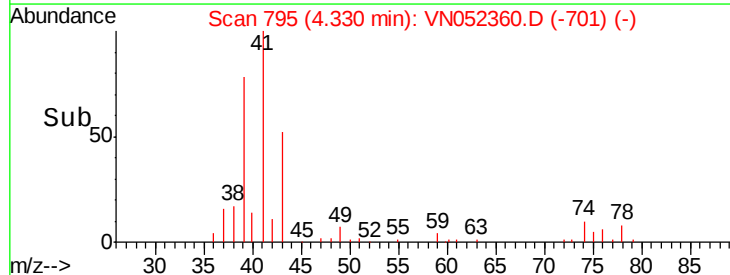
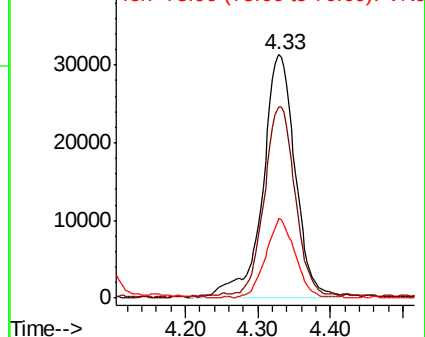
76 29.4 24.1 36.1

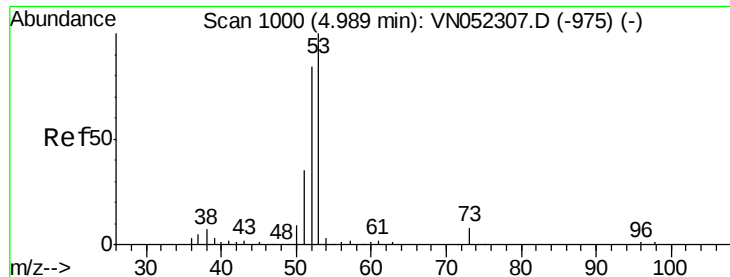


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 89.346 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS02

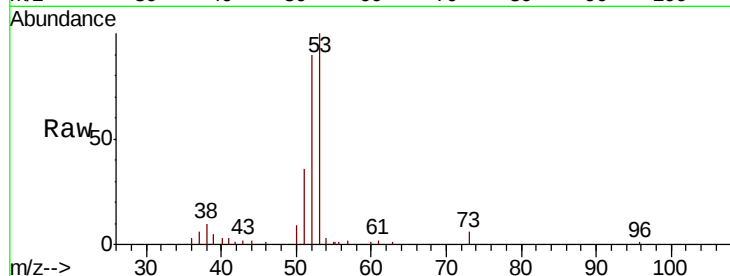
Tot Ion: 53 Resp: 93354

Ion Ratio Lower Upper

53 100

52 83.3 67.5 101.3

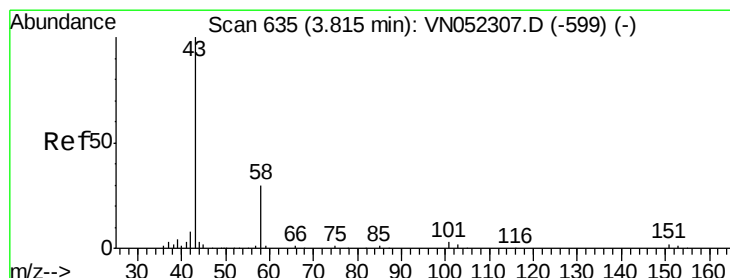
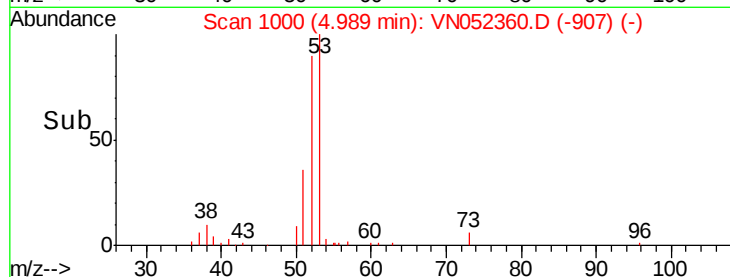
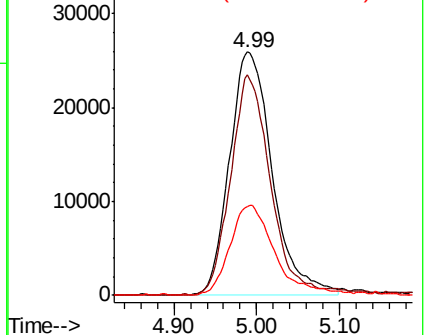
51 38.8 29.9 44.9



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: 78.501 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052360.D

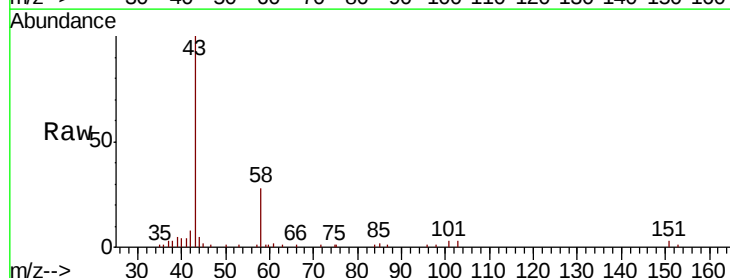
Acq: 16 Nov 2018 13:13

Tgt Ion: 43 Resp: 74889

Ion Ratio Lower Upper

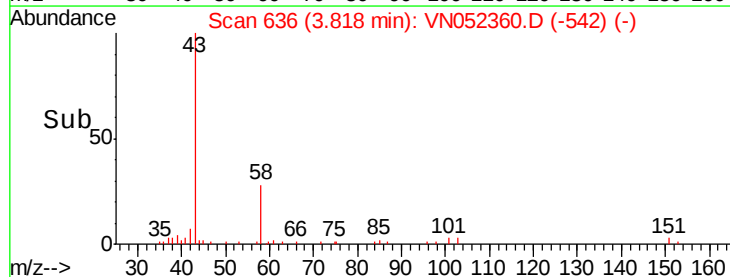
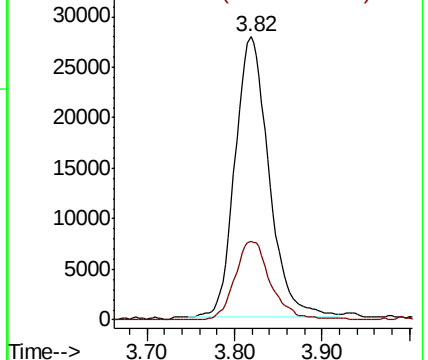
43 100

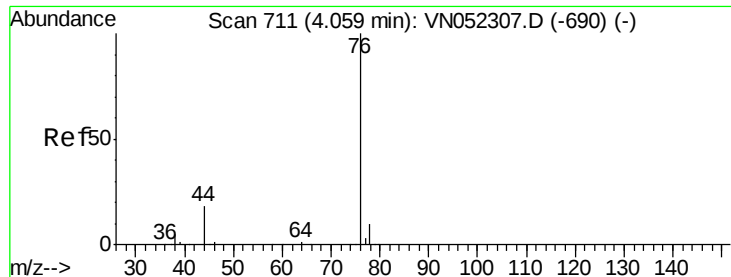
58 27.9 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

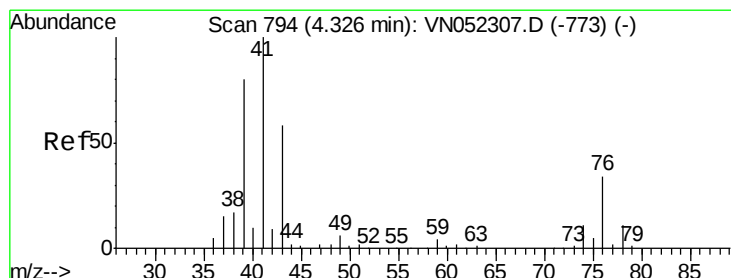
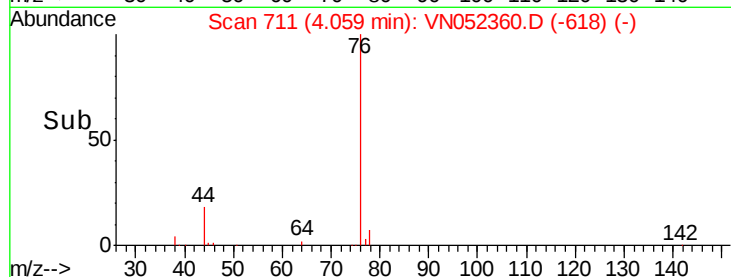
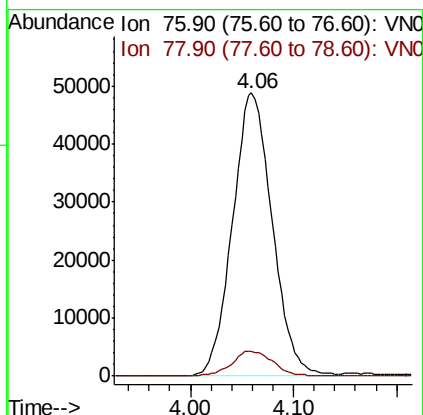
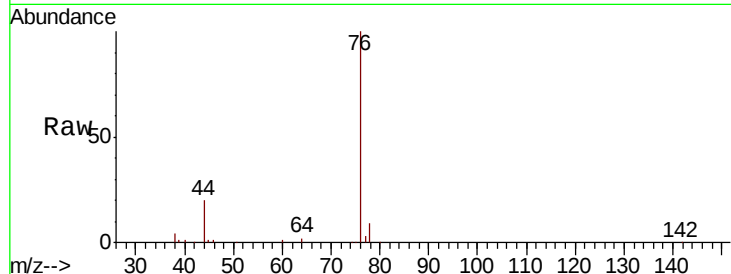




#17
Carbon Disulfide
Concen: 18.050 ug/l
RT: 4.06 min Scan# 711
Delta R.T. -0.00 min
Lab File: VN052360.D
Acq: 16 Nov 2018 13:13

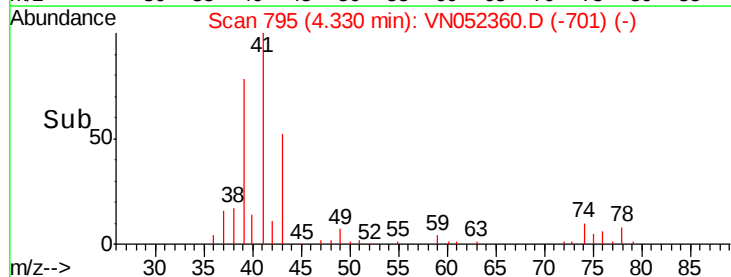
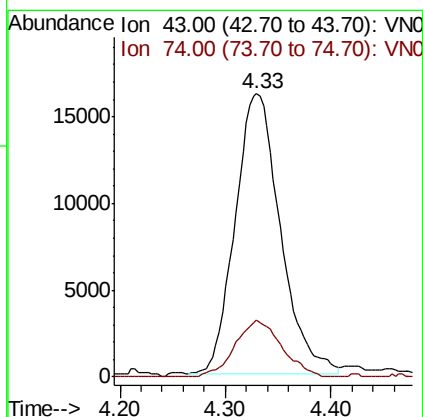
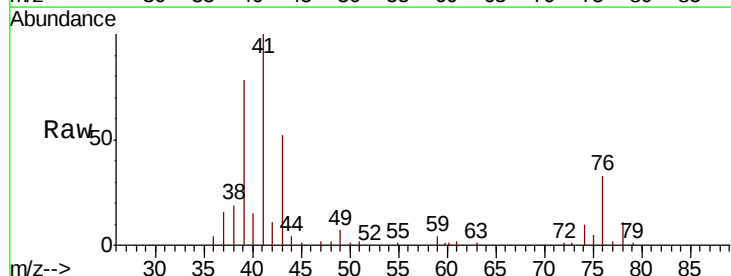
Instrument :
MSVOA_N
ClientSampled :
VN1116WBS02

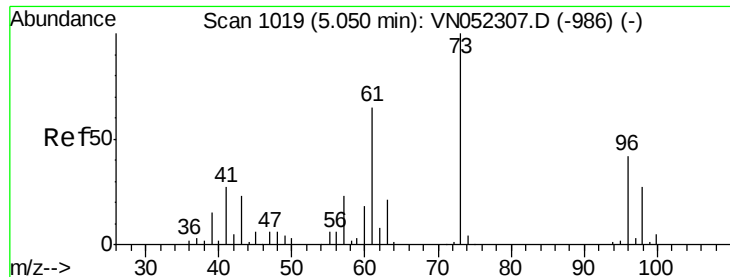
Tot Ion: 76 Resp: 130708
Ion Ratio Lower Upper
76 100
78 8.6 7.7 11.5



#18
Methyl Acetate
Concen: 18.241 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052360.D
Acq: 16 Nov 2018 13:13

Tgt Ion: 43 Resp: 48024
Ion Ratio Lower Upper
43 100
74 20.8 15.9 23.9

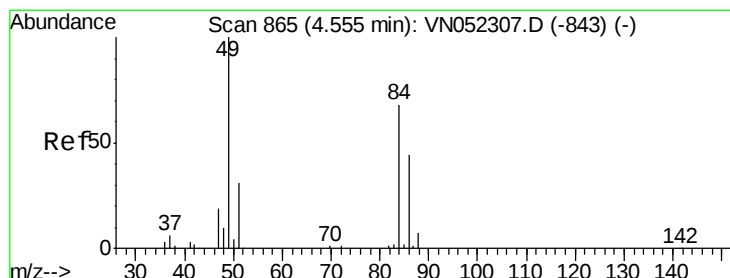
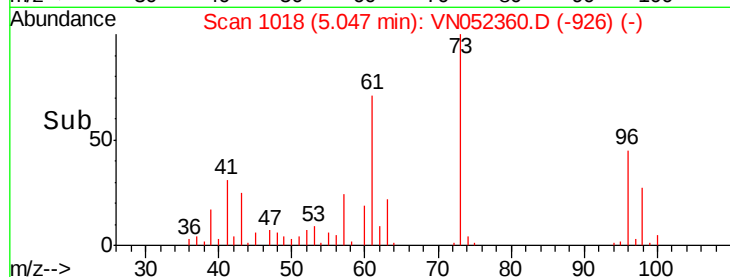
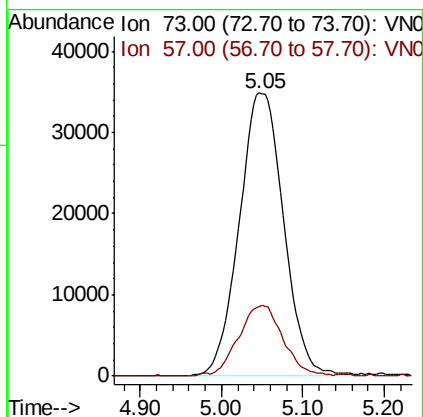
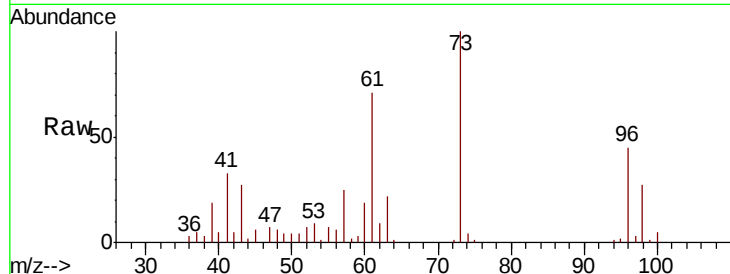




#19
Methyl tert-butyl Ether
Concen: 18.091 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052360.D
Acq: 16 Nov 2018 13:13

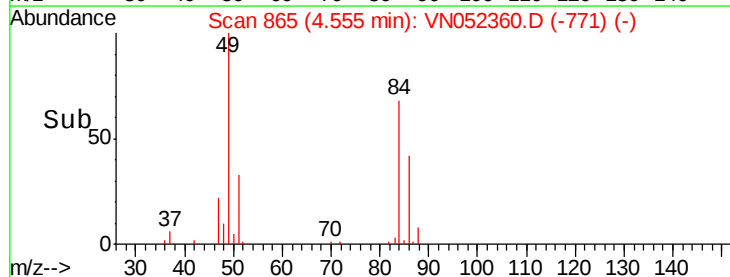
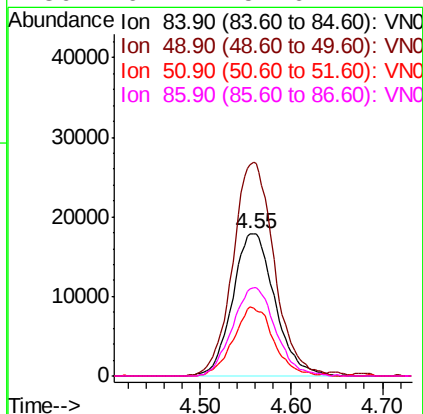
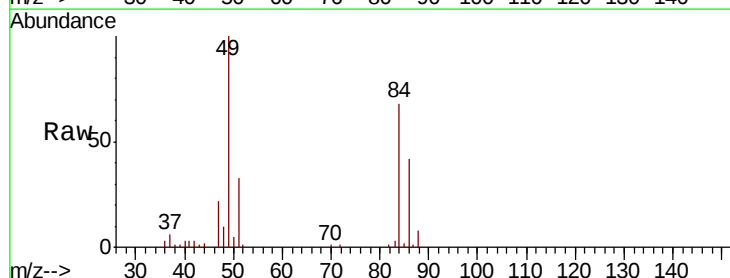
Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS02

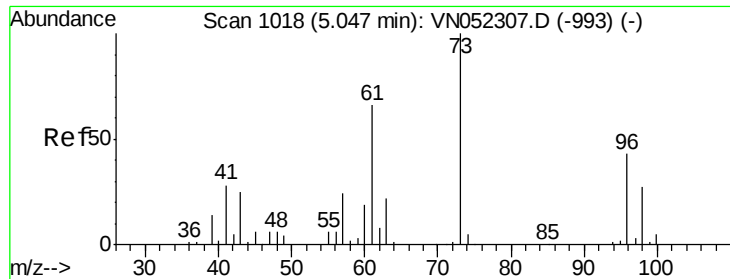
Tot Ion: 73 Resp: 131290
Ion Ratio Lower Upper
73 100
57 24.6 18.7 28.1



#20
Methylene Chloride
Concen: 19.458 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052360.D
Acq: 16 Nov 2018 13:13

Tgt Ion: 84 Resp: 57715
Ion Ratio Lower Upper
84 100
49 146.7 118.2 177.2
51 48.6 36.1 54.1
86 61.4 51.6 77.4

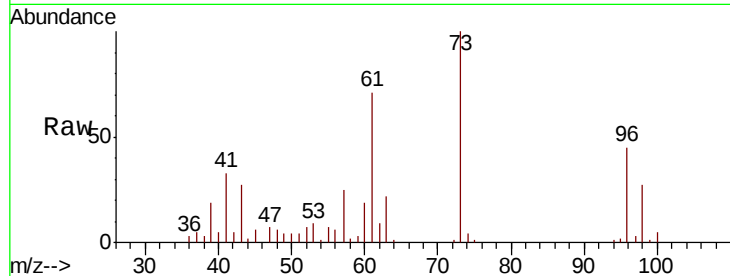




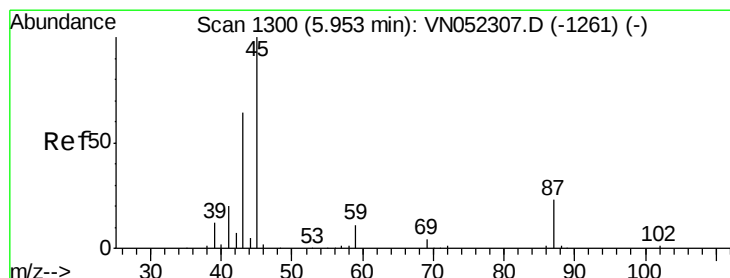
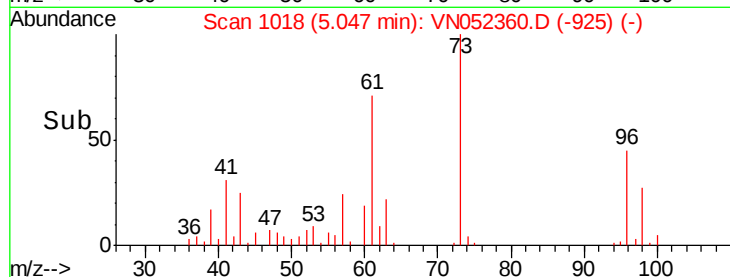
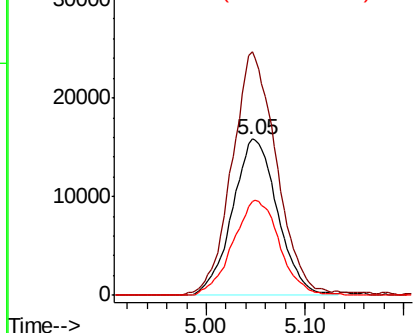
#21
trans-1,2-Dichloroethene
Concen: 18.447 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052360.D
Acq: 16 Nov 2018 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS02

Tot Ion: 96 Resp: 50157
Ion Ratio Lower Upper
96 100
61 154.4 123.6 185.4
98 60.4 50.7 76.1

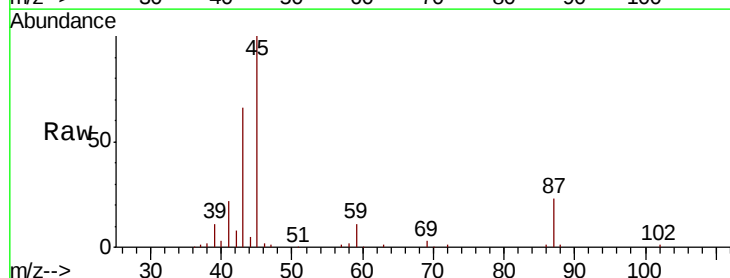


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

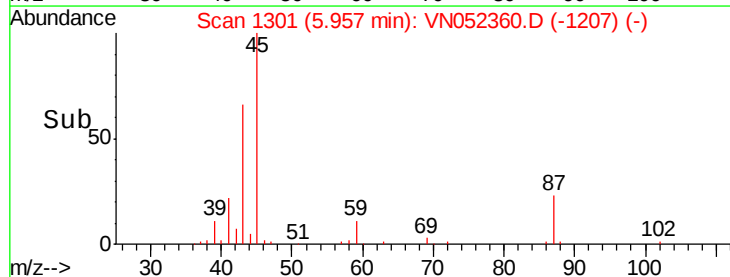
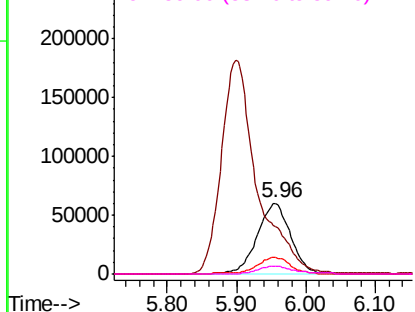


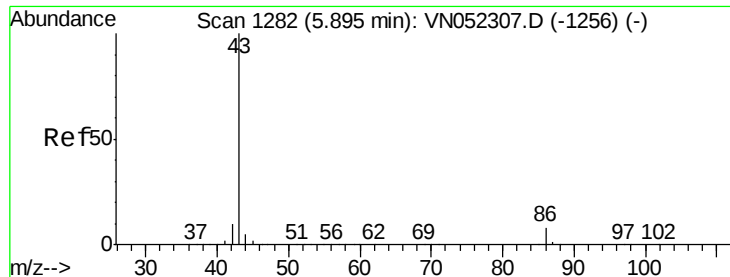
#22
Diisopropyl ether
Concen: 19.098 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN052360.D
Acq: 16 Nov 2018 13:13

Tgt Ion: 45 Resp: 202062
Ion Ratio Lower Upper
45 100
43 66.0 51.4 77.2
87 22.7 18.8 28.2
59 10.7 8.6 12.8



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 91.329 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

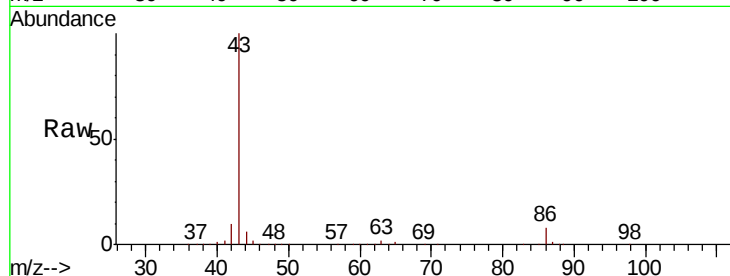
VN1116WBS02

Tot Ion: 43 Resp: 655484

Ion Ratio Lower Upper

43 100

86 8.1 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-1256) (-)

Ion 86.00 (85.70 to 86.70): VN052307.D (-1256) (-)

5.90

200000

150000

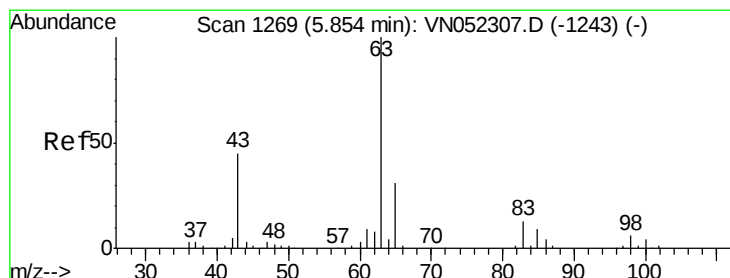
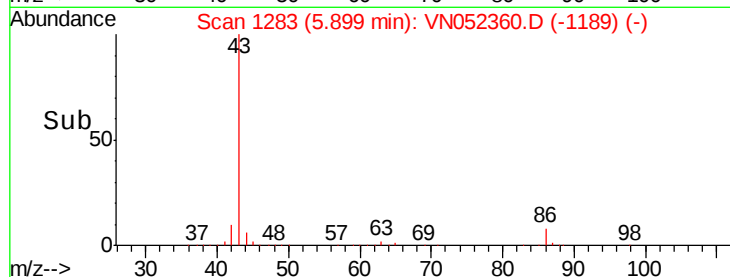
100000

50000

0

5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 18.904 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

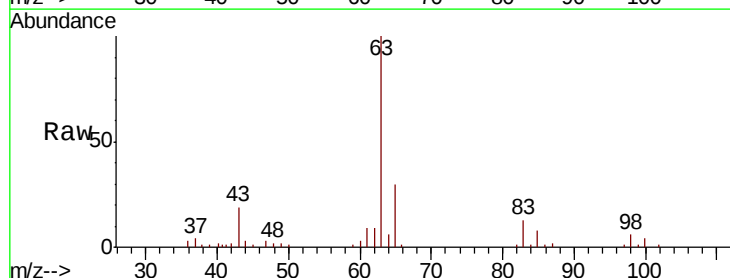
Tgt Ion: 63 Resp: 107248

Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.6

100 4.0 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN052307.D (-1243) (-)

Ion 97.90 (97.60 to 98.60): VN052307.D (-1243) (-)

Ion 99.90 (99.60 to 100.60): VN052307.D (-1243) (-)

5.85

40000

30000

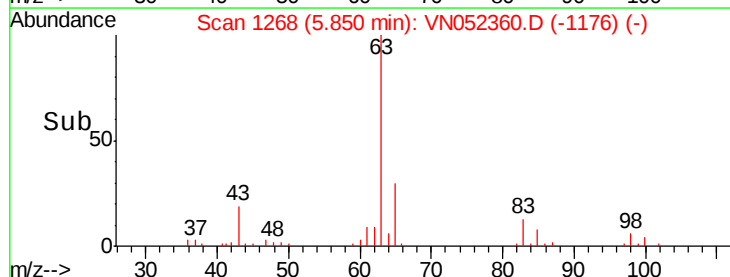
20000

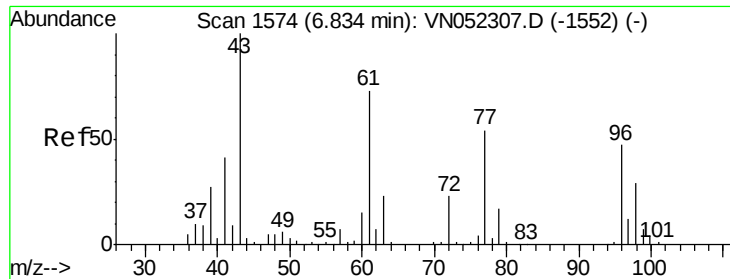
10000

0

5.70 5.80 5.90 6.00

Time-->





#25

2-Butanone

Concen: 85.351 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

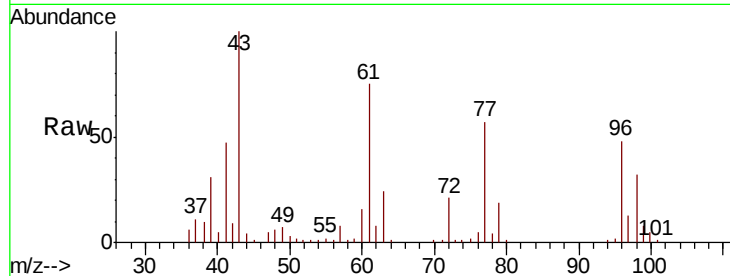
VN1116WBS02

Tot Ion: 43 Resp: 114610

Ion Ratio Lower Upper

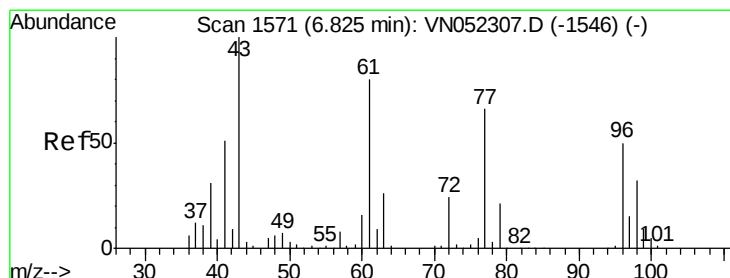
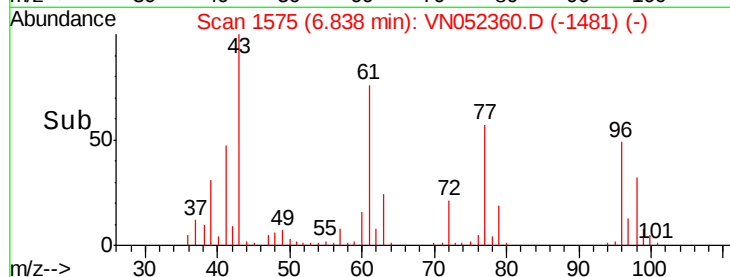
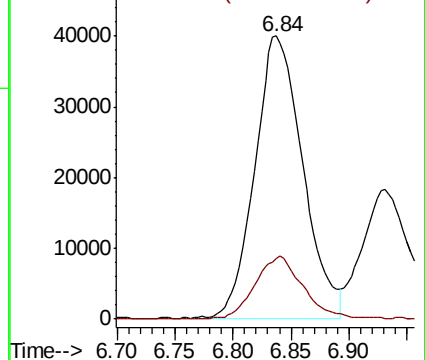
43 100

72 21.3 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 19.135 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052360.D

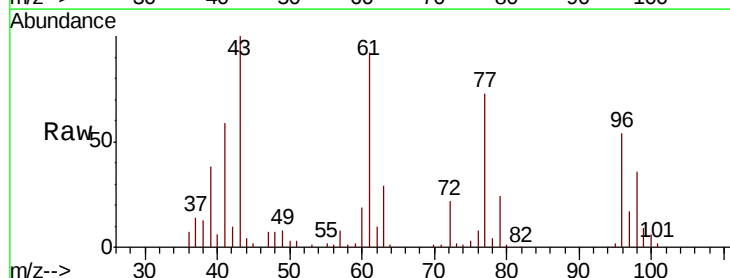
Acq: 16 Nov 2018 13:13

Tgt Ion: 77 Resp: 79826

Ion Ratio Lower Upper

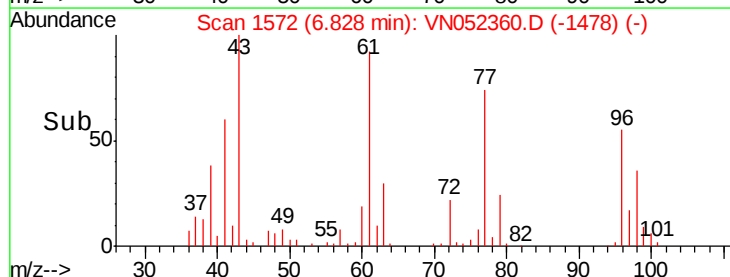
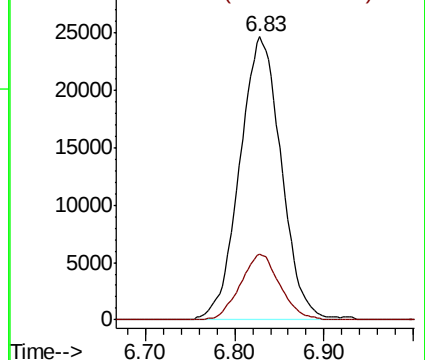
77 100

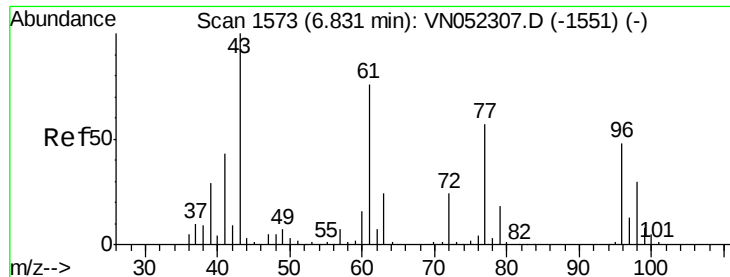
97 22.1 11.1 33.1



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: 18.040 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS02

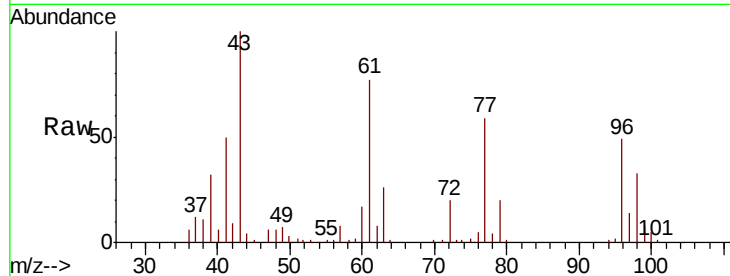
Tot Ion: 96 Resp: 57099

Ion Ratio Lower Upper

96 100

61 165.0 0.0 316.8

98 66.2 0.0 126.6

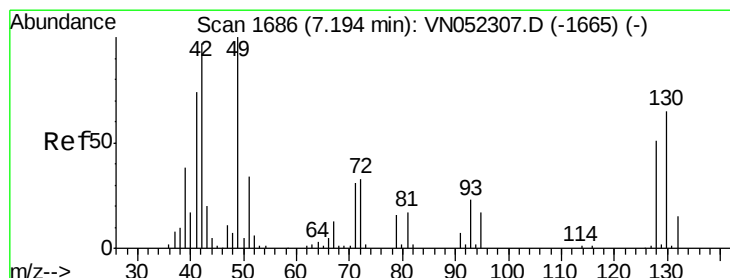
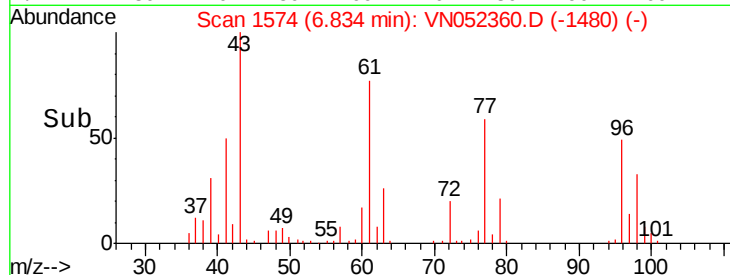
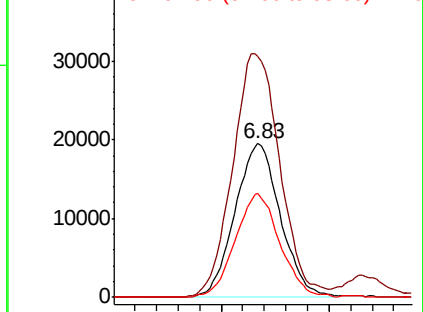


Abundance

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: 17.867 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

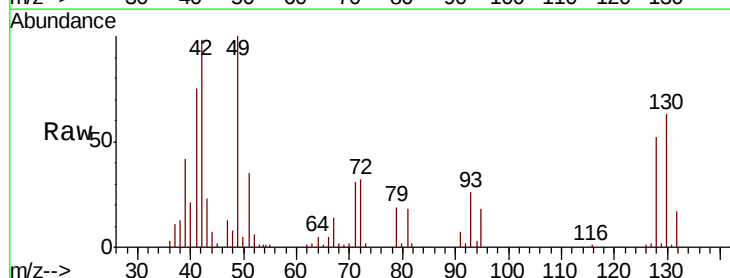
Tgt Ion: 49 Resp: 52120

Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.0

130 61.7 50.4 75.6

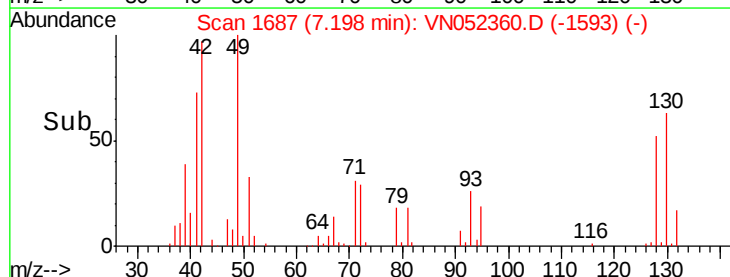
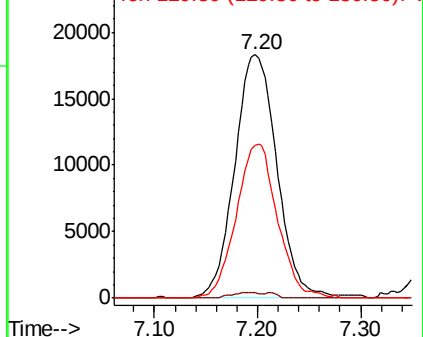


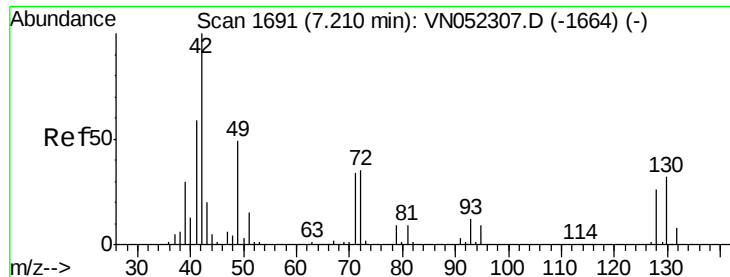
Abundance

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: 88.142 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. -0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS02

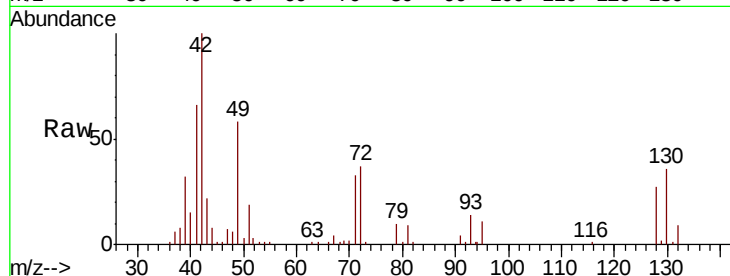
Tot Ion: 42 Resp: 77753

Ion Ratio Lower Upper

42 100

72 35.3 28.6 42.8

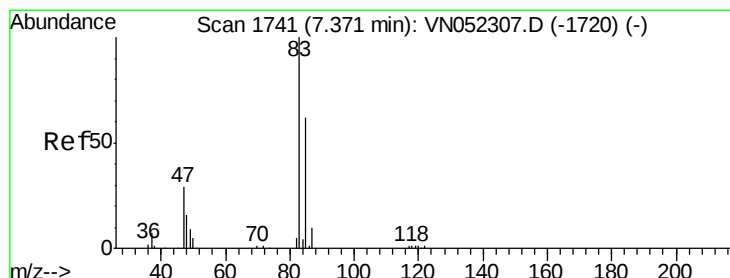
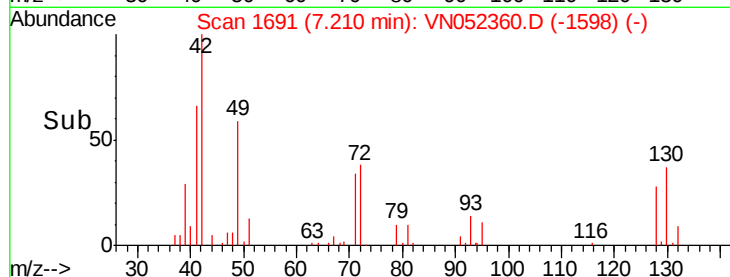
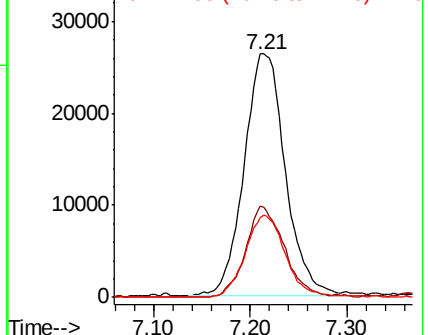
71 33.1 26.7 40.1



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 19.217 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN052360.D

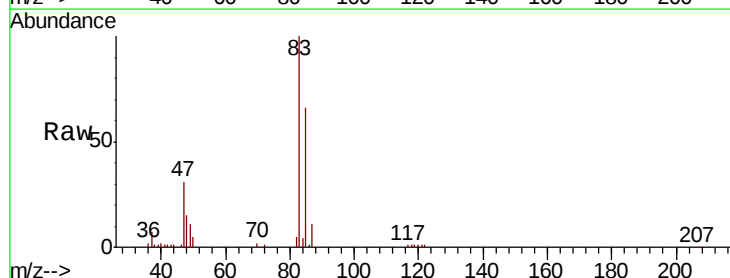
Acq: 16 Nov 2018 13:13

Tgt Ion: 83 Resp: 103899

Ion Ratio Lower Upper

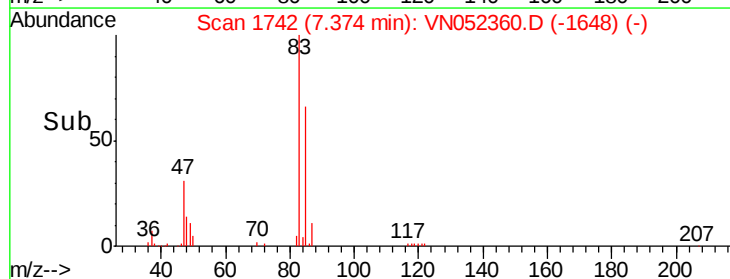
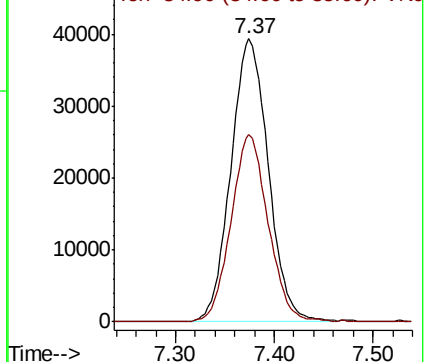
83 100

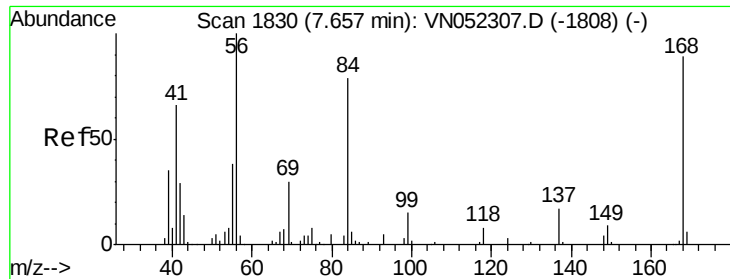
85 66.2 49.4 74.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

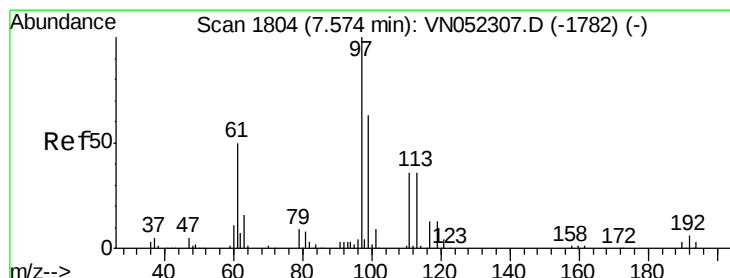
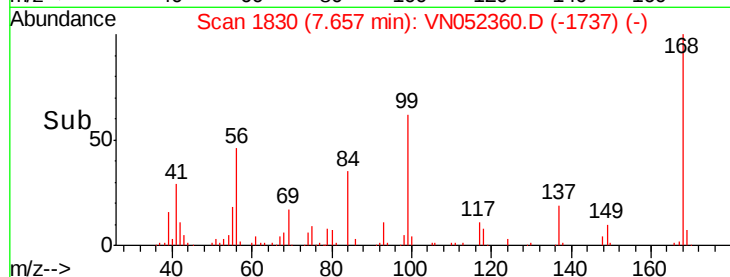
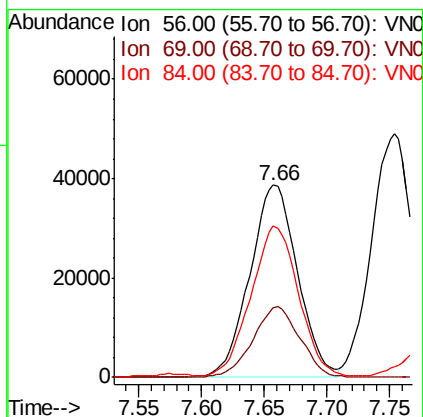
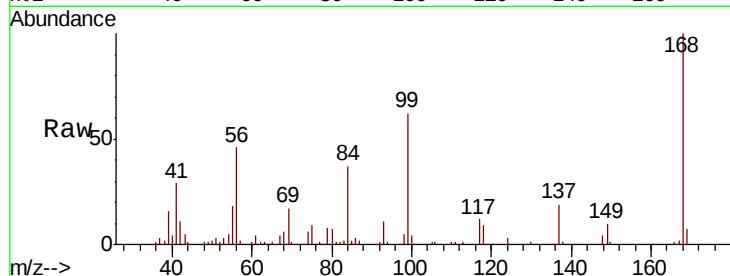




#31
Cyclohexane
Concen: 18.822 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052360.D
Acq: 16 Nov 2018 13:13

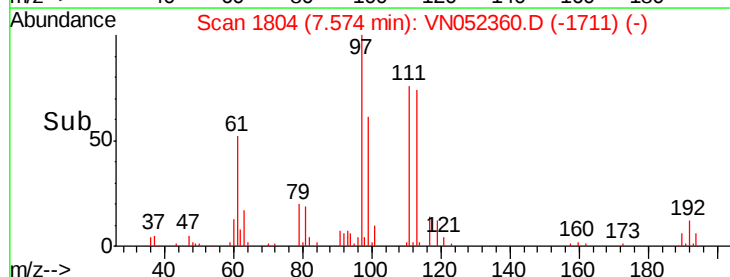
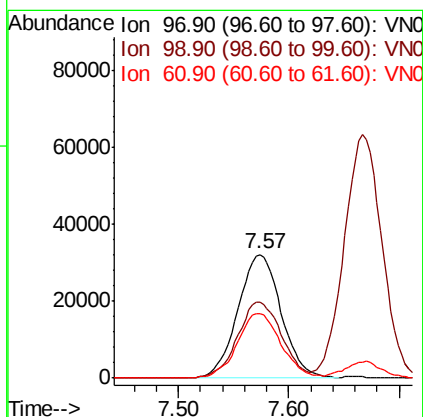
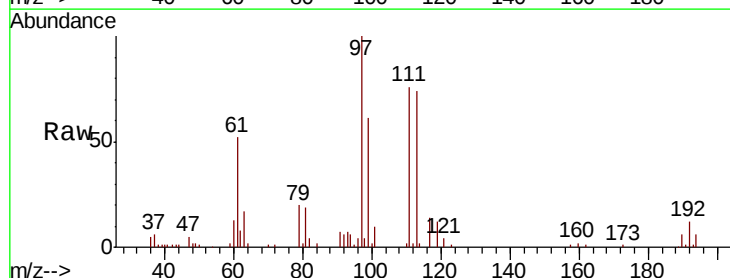
Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS02

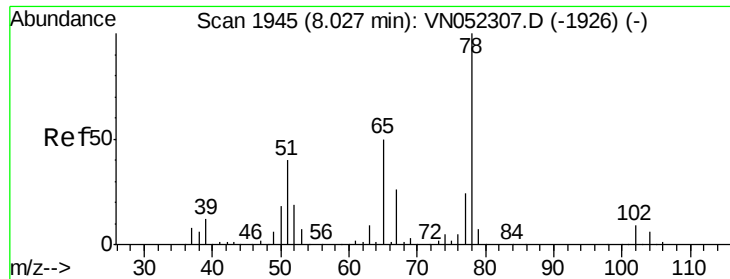
Tot Ion: 56 Resp: 102629
Ion Ratio Lower Upper
56 100
69 36.3 23.8 35.8#
84 77.7 63.0 94.6



#32
1,1,1-Trichloroethane
Concen: 18.919 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN052360.D
Acq: 16 Nov 2018 13:13

Tgt Ion: 97 Resp: 87135
Ion Ratio Lower Upper
97 100
99 62.7 50.2 75.2
61 53.1 40.2 60.4

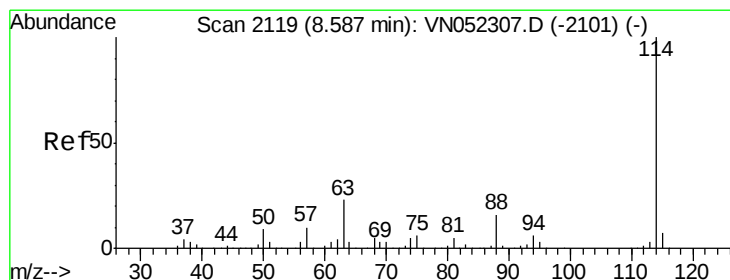
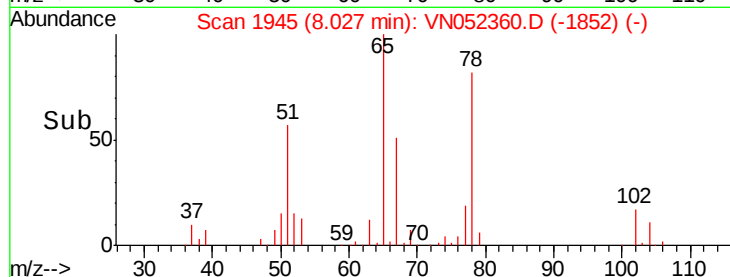
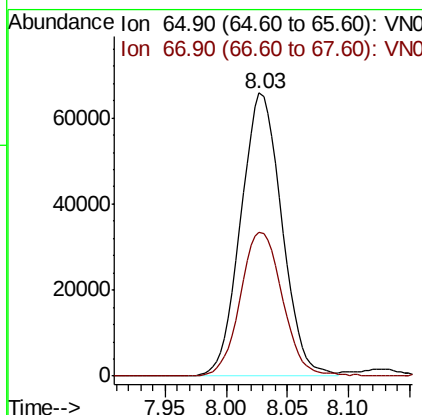
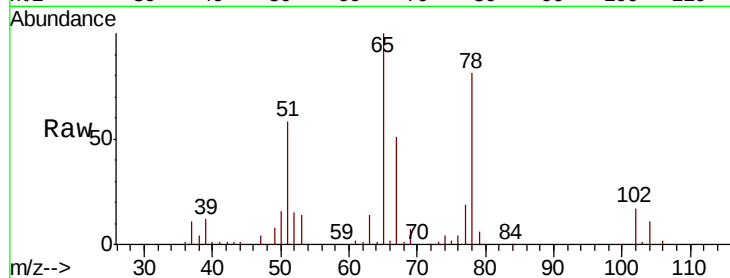




#33
 1,2-Dichloroethane-d4
 Concen: 18.919 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052360.D
 Acq: 16 Nov 2018 13:13

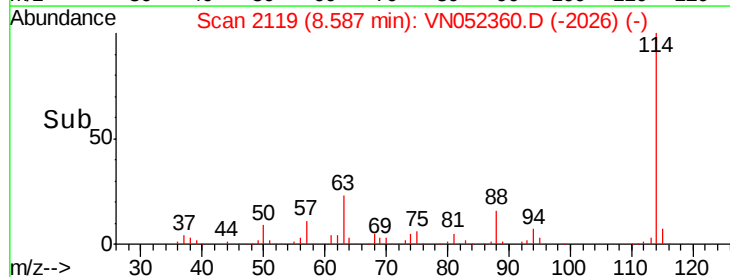
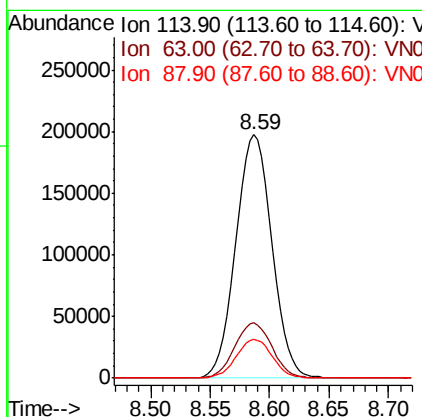
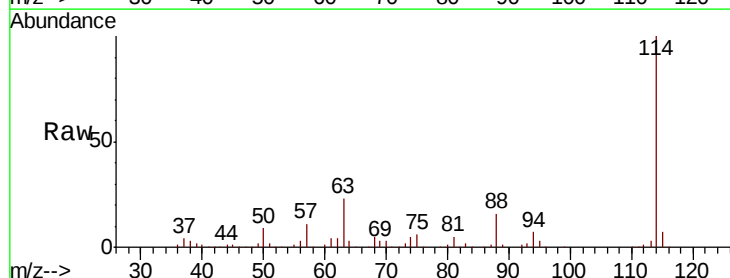
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS02

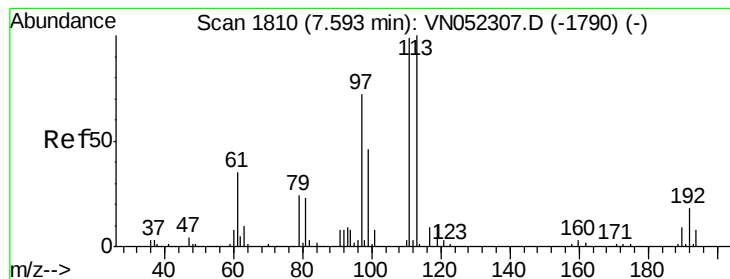
Tot Ion: 65 Resp: 153269
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052360.D
 Acq: 16 Nov 2018 13:13

Tgt Ion: 114 Resp: 415857
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 45.4
 88 15.9 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS02

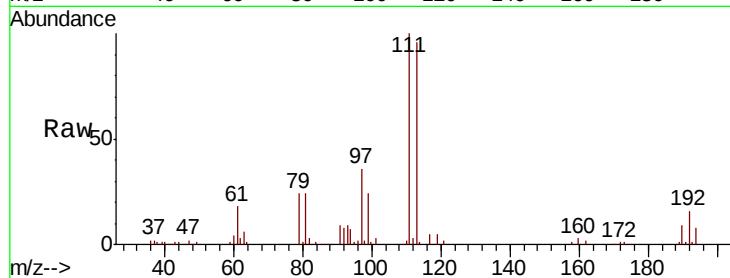
Tot Ion:113 Resp: 117253

Ion Ratio Lower Upper

113 100

111 102.7 81.0 121.6

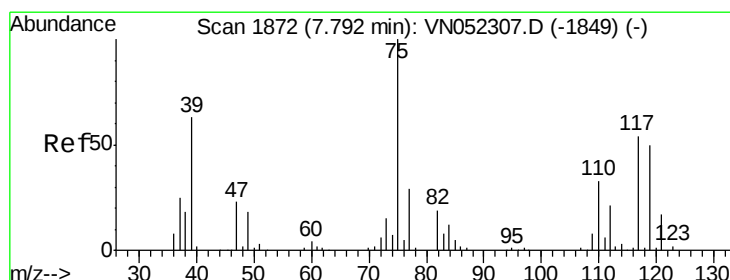
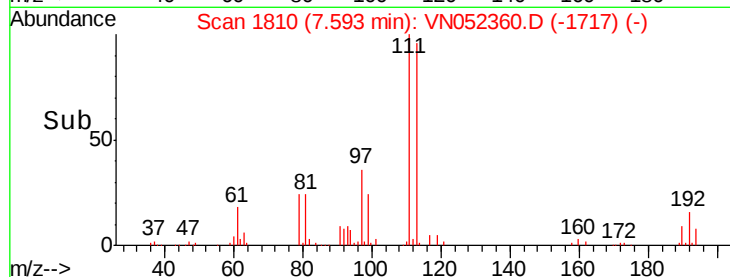
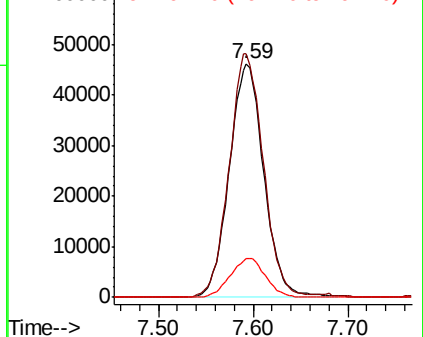
192 17.1 13.8 20.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.153 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

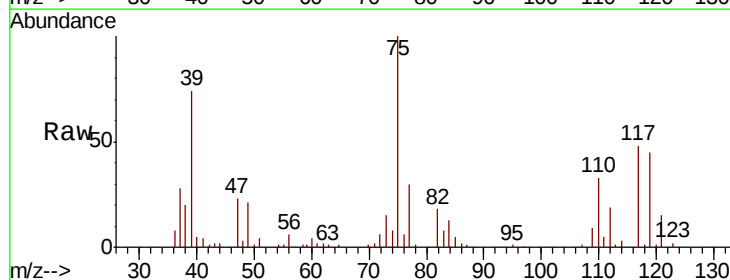
Tgt Ion: 75 Resp: 79834

Ion Ratio Lower Upper

75 100

110 31.9 16.5 49.5

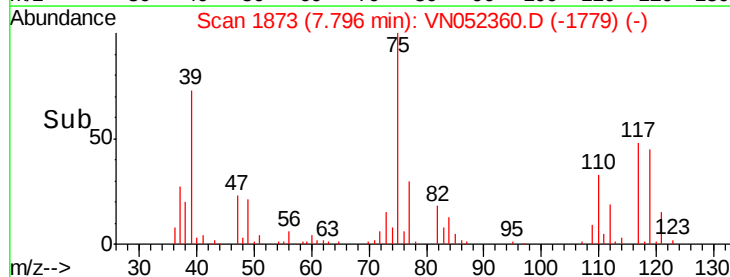
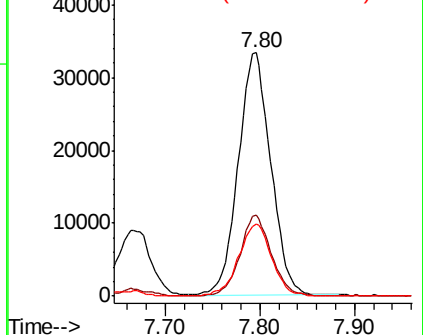
77 30.0 24.2 36.2

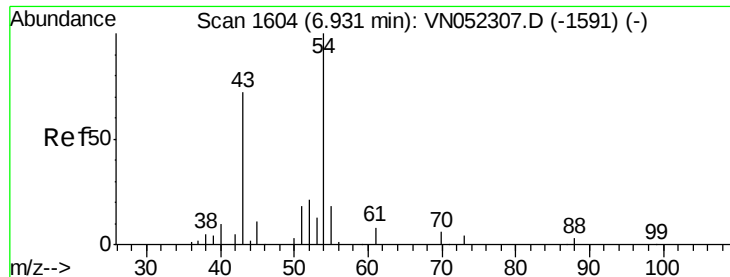


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

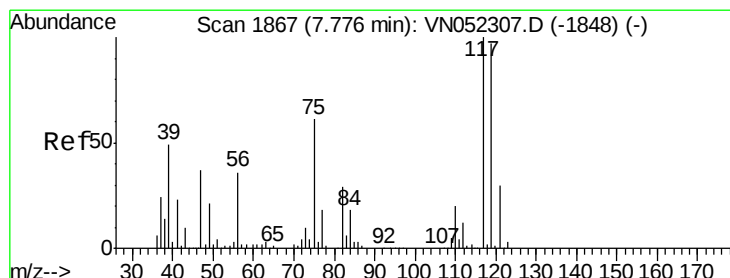
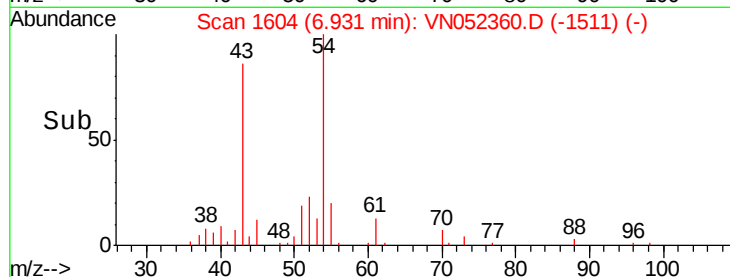
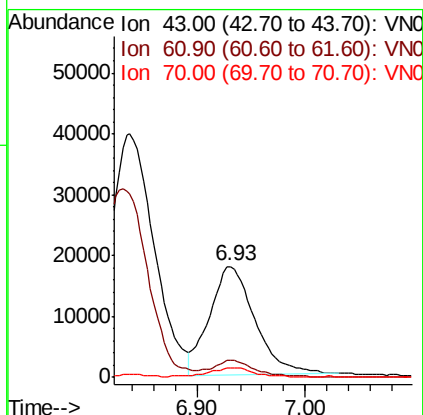
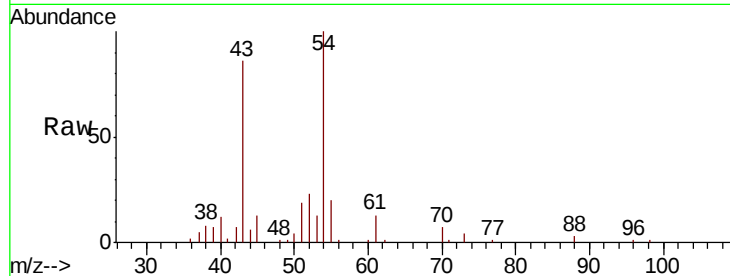




#37
Ethyl Acetate
Concen: 17.200 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN052360.D
Acq: 16 Nov 2018 13:13

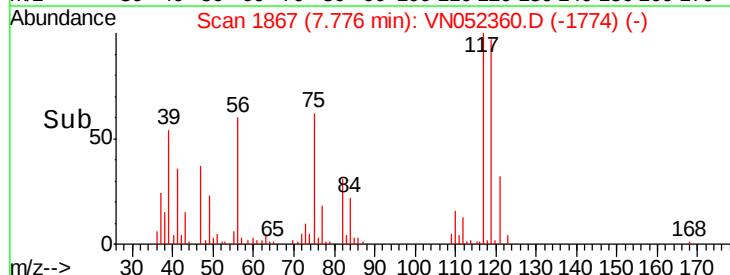
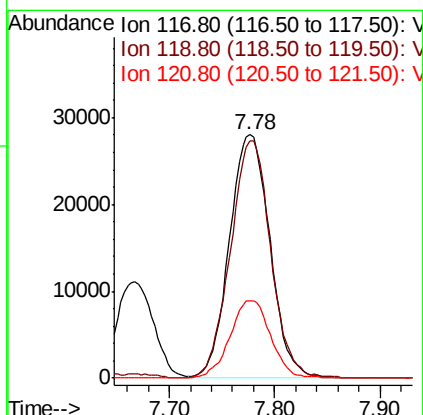
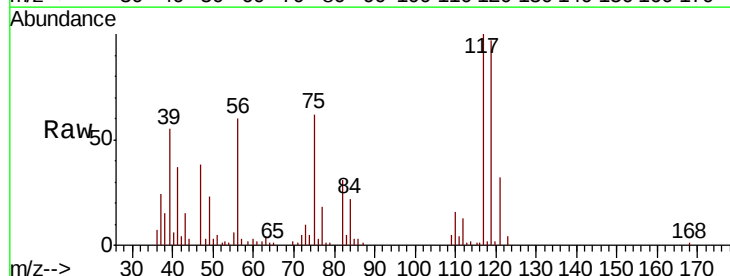
Instrument :
MSVOA_N
ClientSampled :
VN1116WBS02

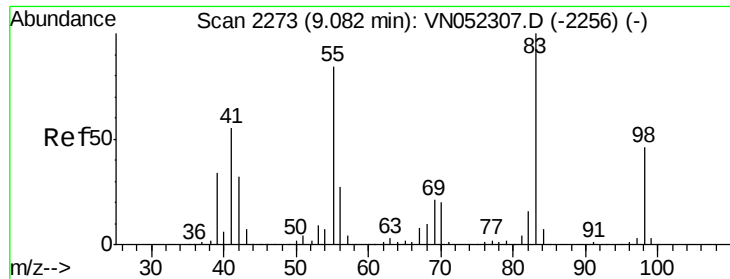
Tot Ion: 43 Resp: 52031
Ion Ratio Lower Upper
43 100
61 14.8 10.3 15.5
70 6.8 5.6 8.4



#38
Carbon Tetrachloride
Concen: 19.558 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052360.D
Acq: 16 Nov 2018 13:13

Tgt Ion: 117 Resp: 74896
Ion Ratio Lower Upper
117 100
119 97.3 77.4 116.0
121 31.8 24.0 36.0

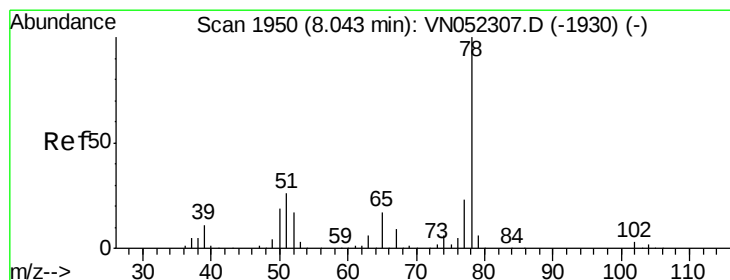
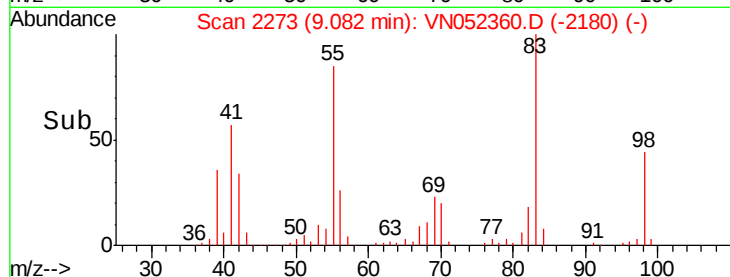
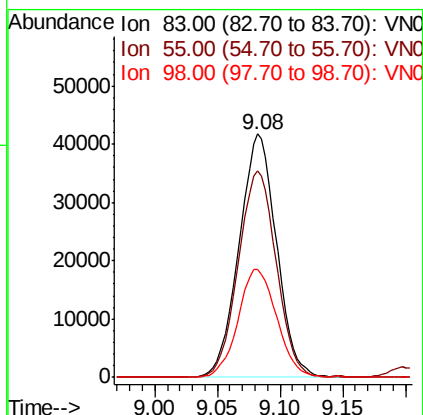
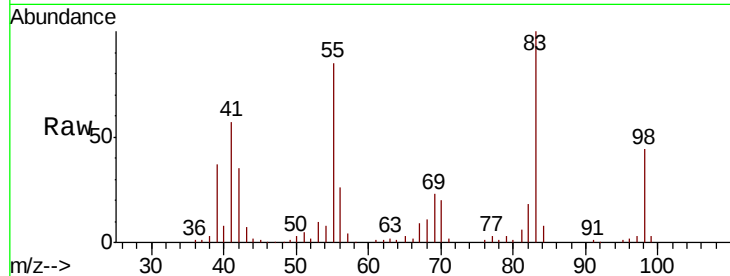




#39
Methvlcvclohexane
Concen: 18.163 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052360.D
Acq: 16 Nov 2018 13:13

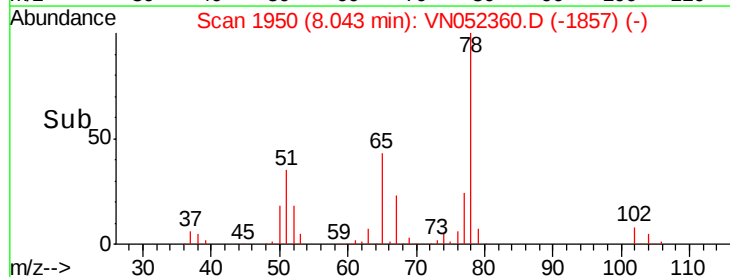
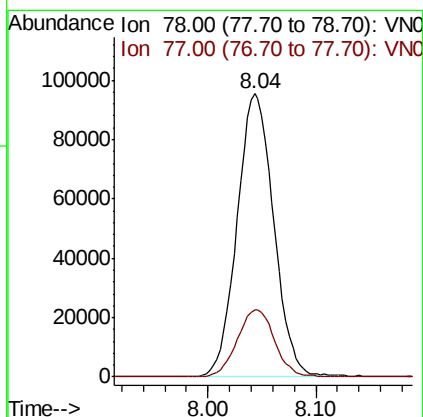
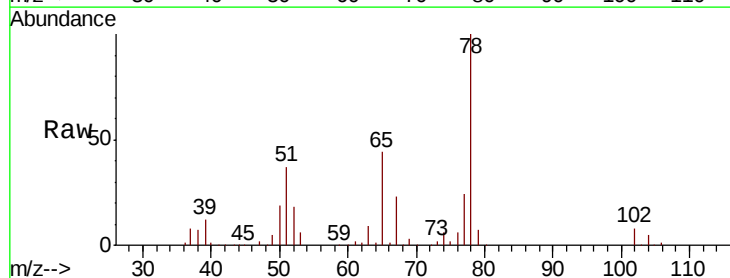
Instrument :
MSVOA_N
ClientSampled :
VN1116WBS02

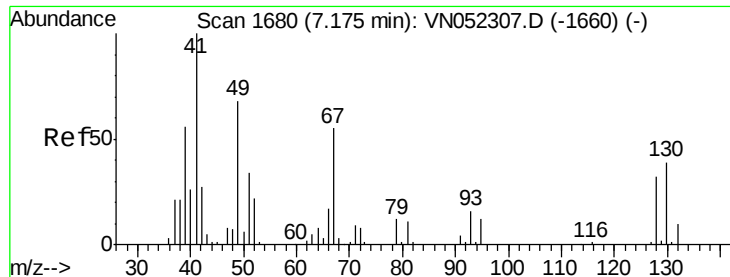
Tot Ion: 83 Resp: 86422
Ion Ratio Lower Upper
83 100
55 85.1 66.8 100.2
98 44.1 36.4 54.6



#40
Benzene
Concen: 18.938 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052360.D
Acq: 16 Nov 2018 13:13

Tgt Ion: 78 Resp: 225504
Ion Ratio Lower Upper
78 100
77 23.8 18.7 28.1





#41

Methacrylonitrile

Concen: 23.217 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.01 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS02

Tot Ion: 41 Resp: 35415

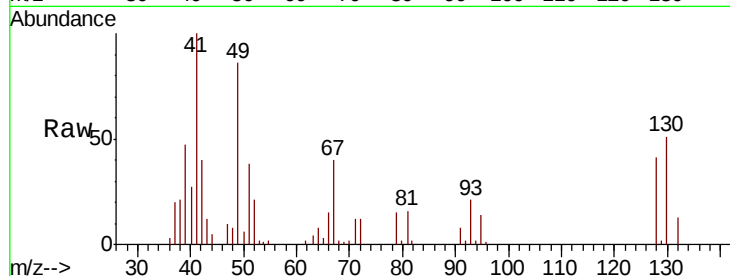
Ion Ratio Lower Upper

41 100

39 50.8 0.0 0.0#

67 56.4 0.0 0.0#

52 27.6 0.0 0.0#

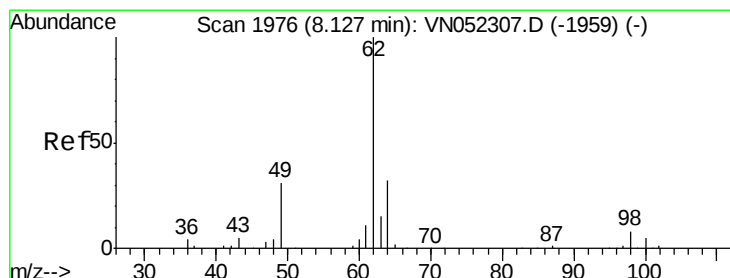
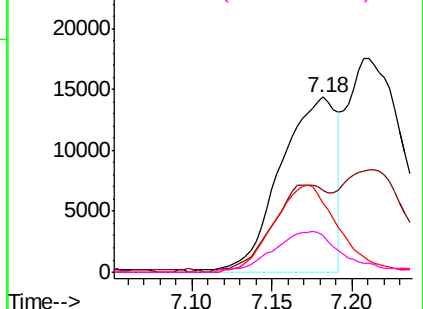
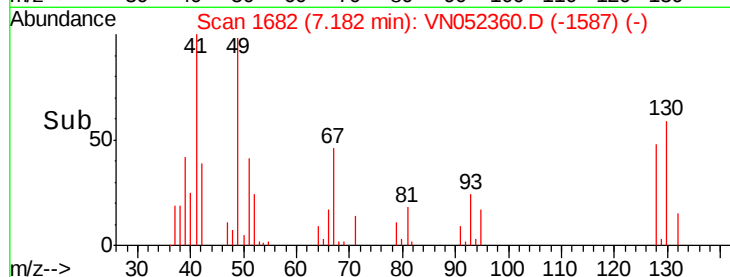


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 19.626 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN052360.D

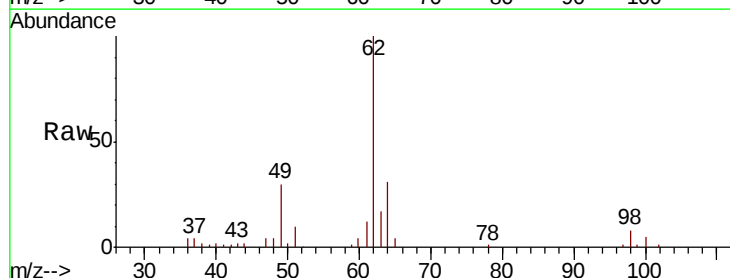
Acq: 16 Nov 2018 13:13

Tgt Ion: 62 Resp: 83335

Ion Ratio Lower Upper

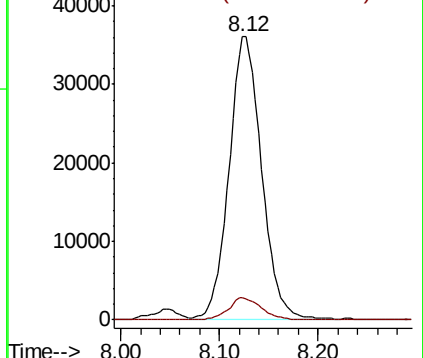
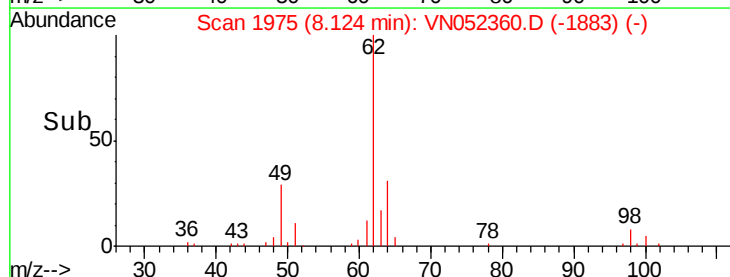
62 100

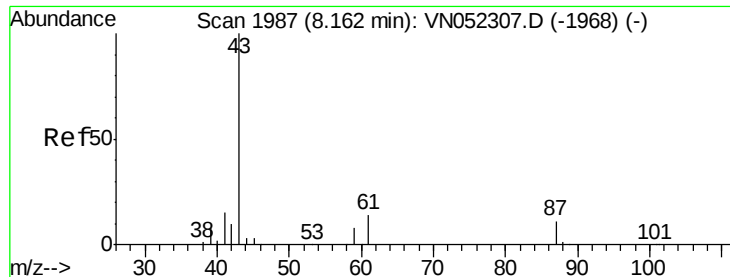
98 7.8 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 17.177 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS02

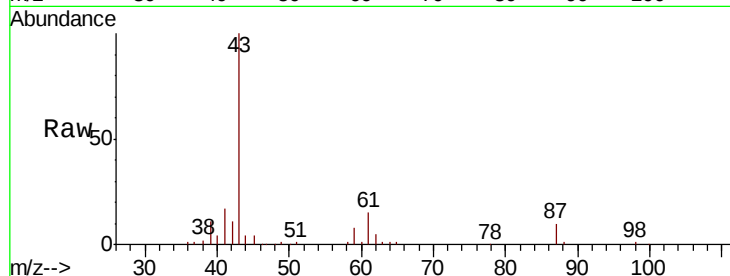
Tot Ion: 43 Resp: 100264

Ion Ratio Lower Upper

43 100

61 15.1 12.0 18.0

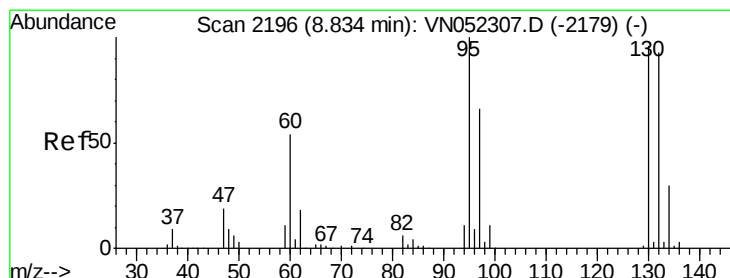
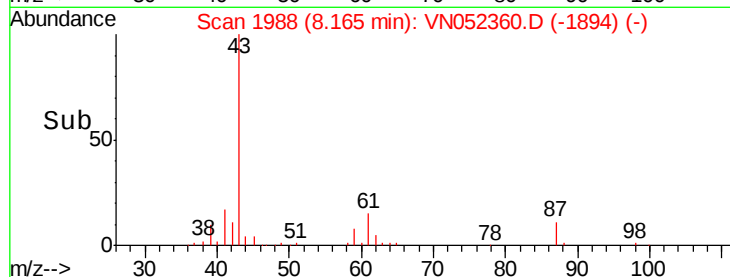
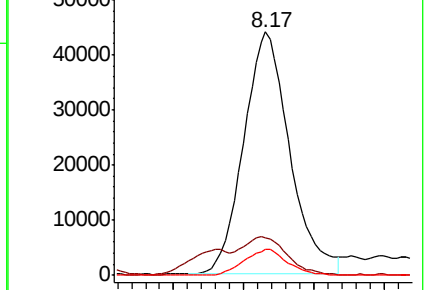
87 10.0 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN052307.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN052307.D (-1968) (-)



#44

Trichloroethene

Concen: 18.791 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052360.D

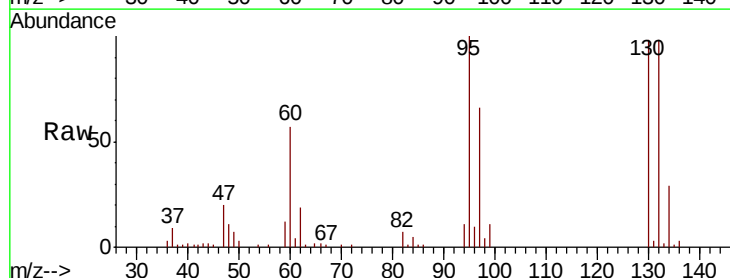
Acq: 16 Nov 2018 13:13

Tgt Ion: 130 Resp: 55117

Ion Ratio Lower Upper

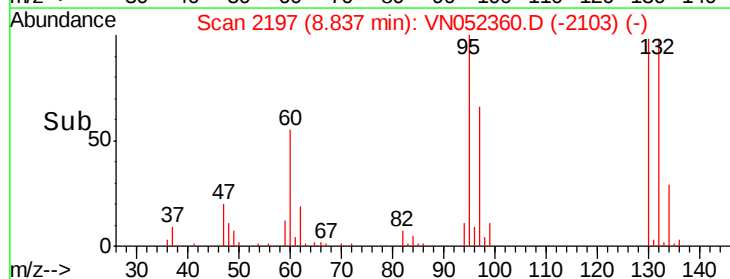
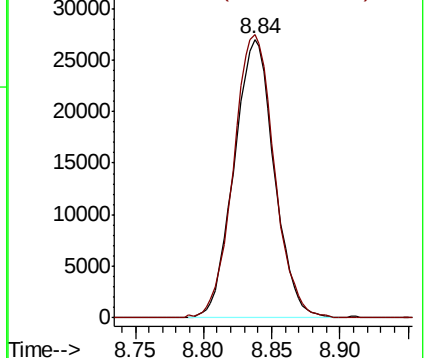
130 100

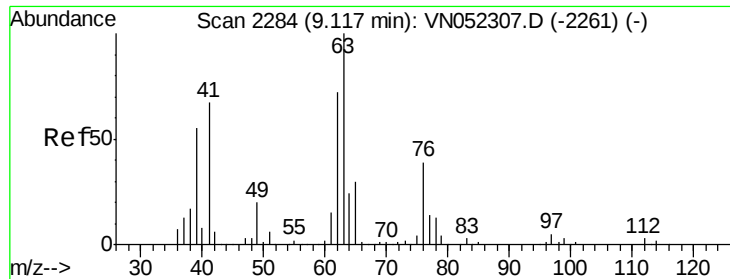
95 101.6 0.0 208.4



Abundance Ion 129.80 (129.50 to 130.50): VN052307.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052307.D (-2179) (-)

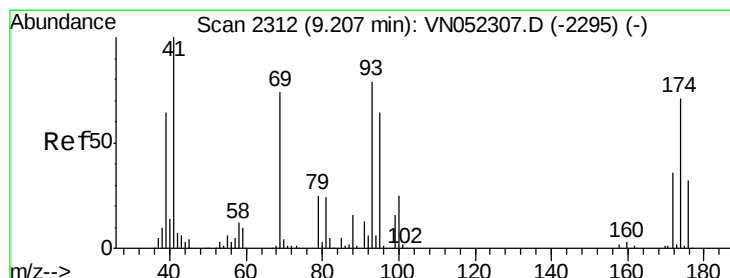
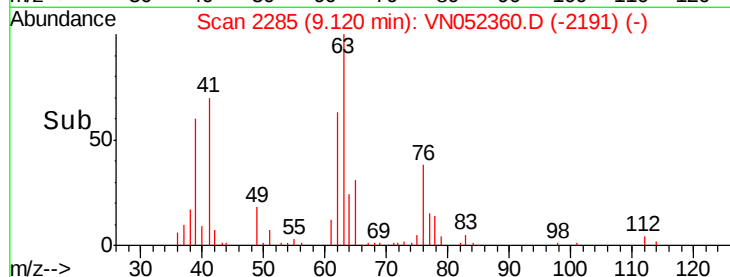
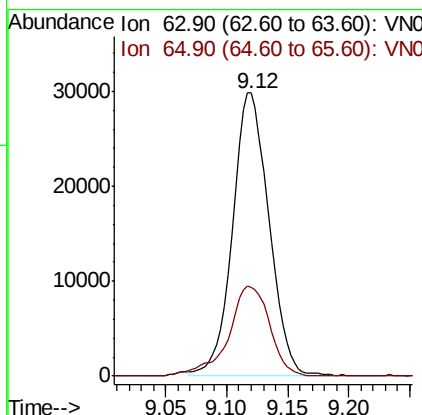
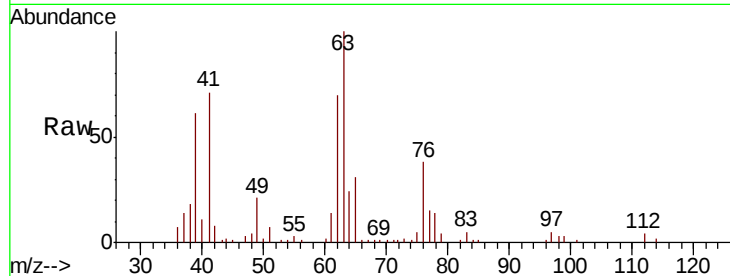




#45
 1,2-Dichloropropane
 Concen: 18.276 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052360.D
 Acq: 16 Nov 2018 13:13

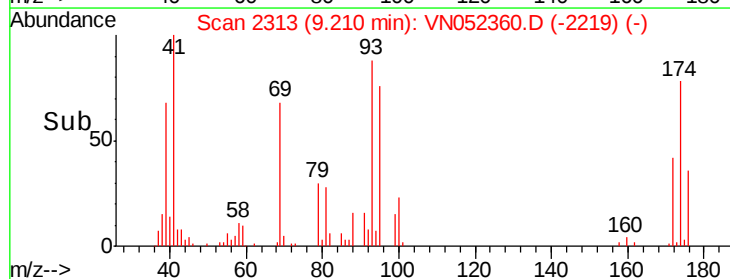
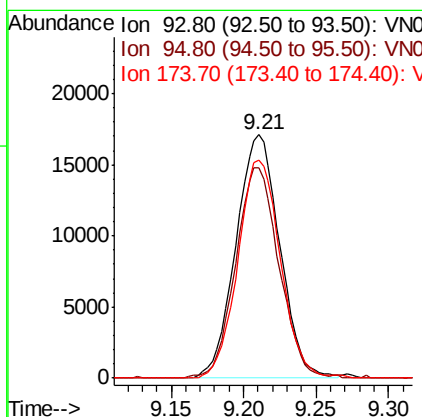
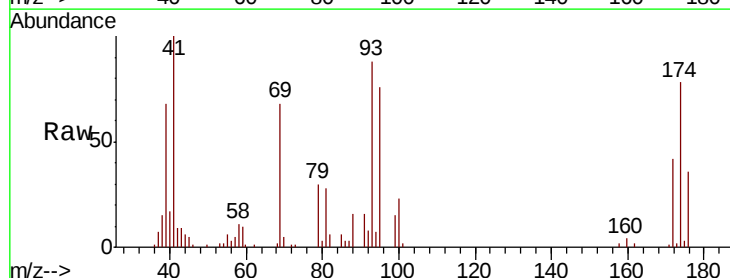
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS02

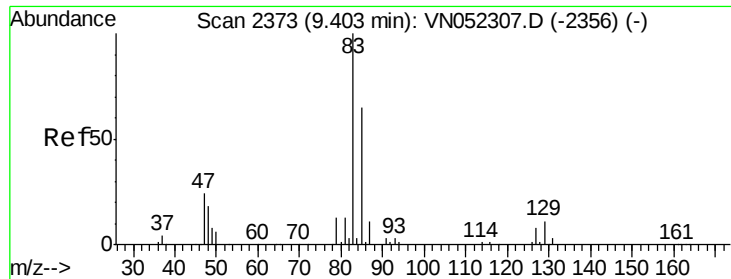
Tot Ion: 63 Resp: 61761
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.2 36.4



#46
 Dibromomethane
 Concen: 18.385 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052360.D
 Acq: 16 Nov 2018 13:13

Tgt Ion: 93 Resp: 35966
 Ion Ratio Lower Upper
 93 100
 95 85.5 64.2 96.2
 174 87.2 70.9 106.3





#47

Bromodichloromethane

Concen: 19.623 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS02

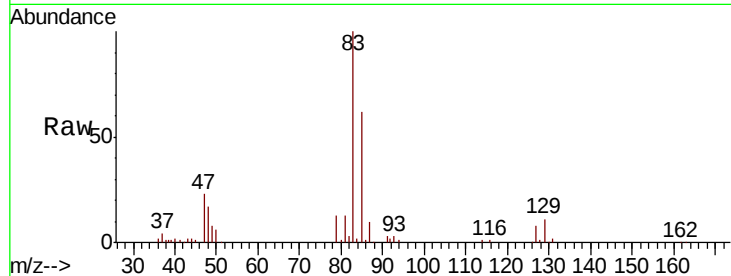
Tot Ion: 83 Resp: 78775

Ion Ratio Lower Upper

83 100

85 61.7 52.2 78.4

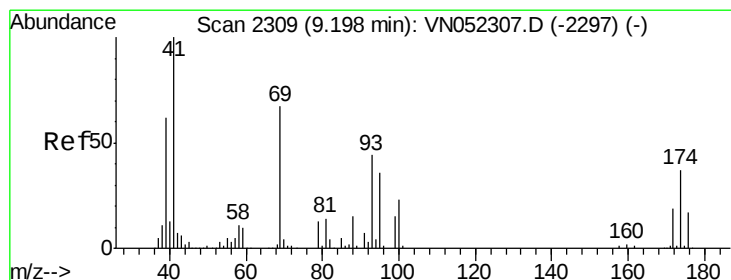
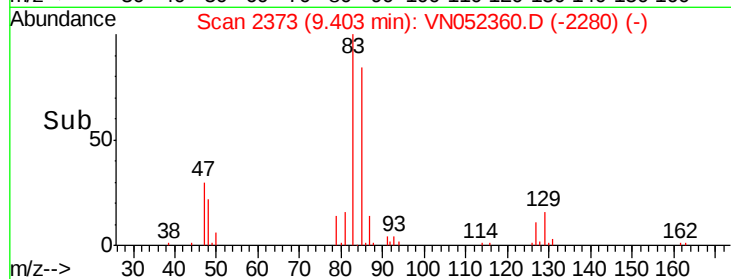
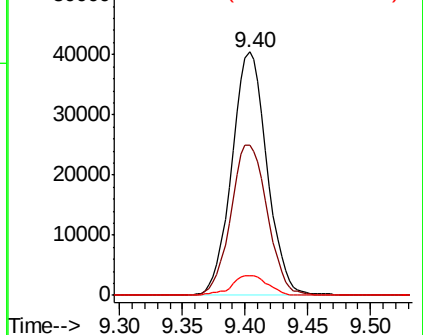
127 8.2 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN052360.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052360.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052360.D (-2280) (-)



#48

Methyl methacrylate

Concen: 17.373 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

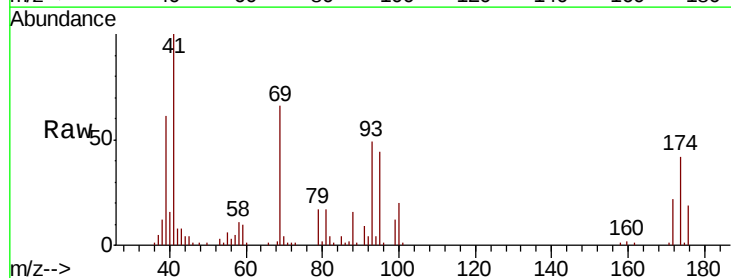
Tgt Ion: 41 Resp: 51456

Ion Ratio Lower Upper

41 100

69 72.2 57.1 85.7

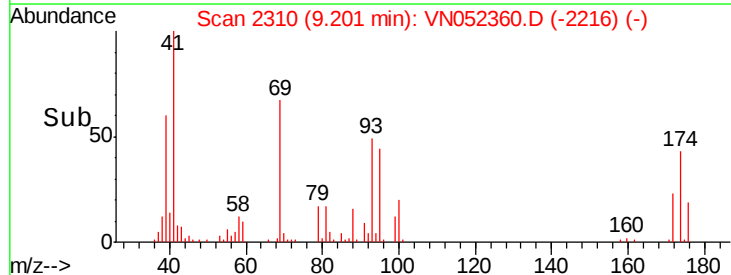
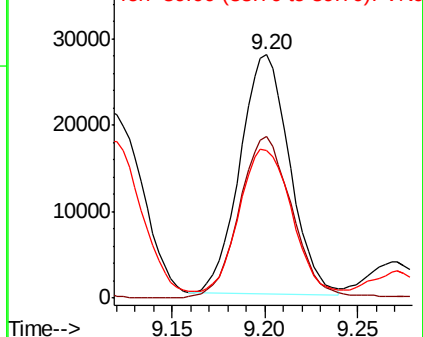
39 66.7 52.5 78.7

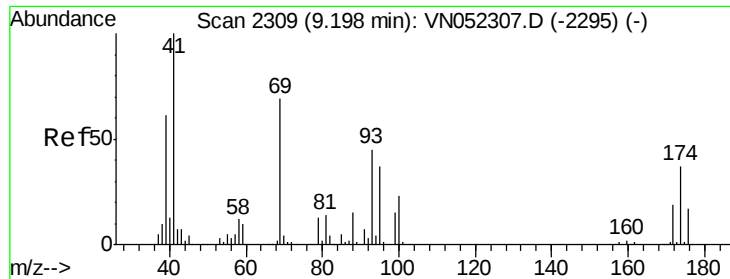


Abundance Ion 41.00 (40.70 to 41.70): VN052360.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052360.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052360.D (-2216) (-)





#49

1,4-Dioxane

Concen: 404.316 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS02

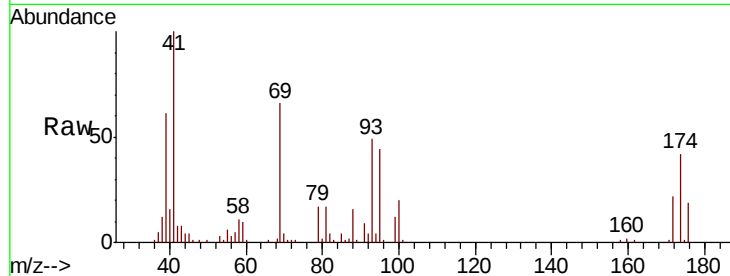
Tot Ion: 88 Resp: 9193

Ion Ratio Lower Upper

88 100

43 49.4 33.3 49.9

58 73.1 59.2 88.8

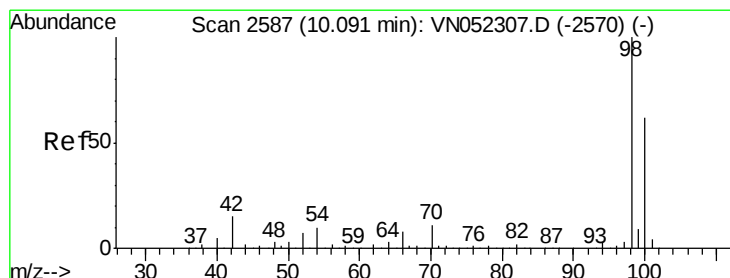
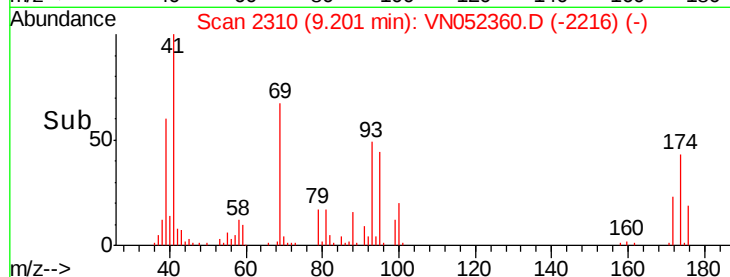
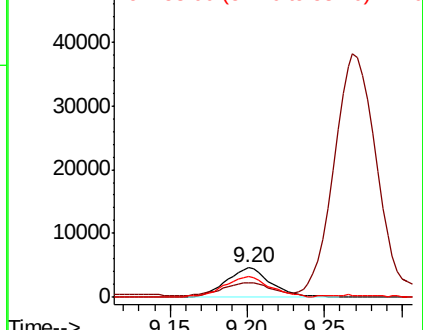


Abundance

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: 404.316 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052360.D

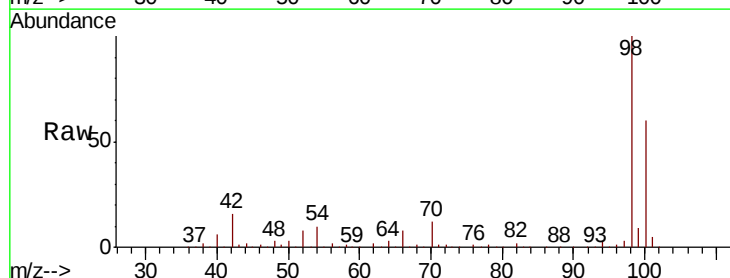
Acq: 16 Nov 2018 13:13

Tgt Ion: 98 Resp: 454317

Ion Ratio Lower Upper

98 100

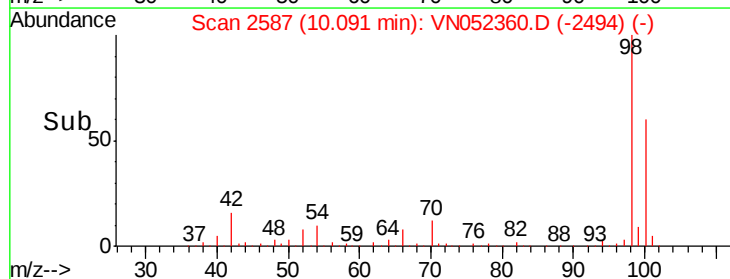
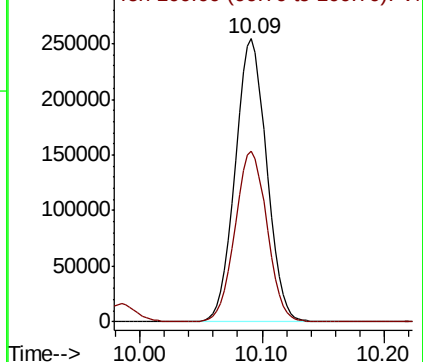
100 61.2 49.5 74.3



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: 90.776 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

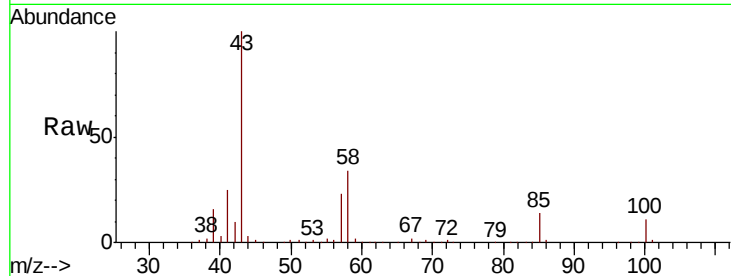
VN1116WBS02

Tot Ion: 43 Resp: 266727

Ion Ratio Lower Upper

43 100

58 33.6 27.0 40.6



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN052307.D (-2535) (-)

9.99

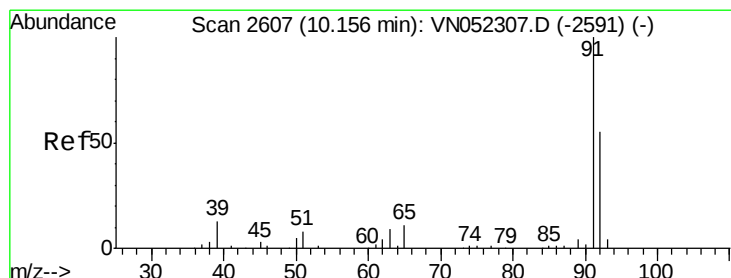
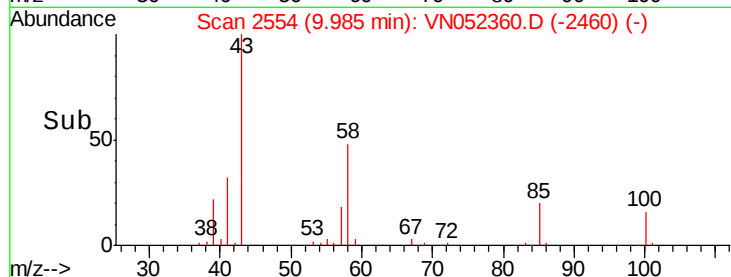
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.289 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052360.D

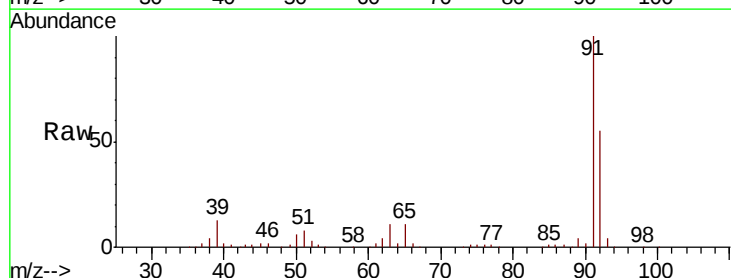
Acq: 16 Nov 2018 13:13

Tgt Ion: 92 Resp: 137400

Ion Ratio Lower Upper

92 100

91 179.8 143.6 215.4



Abundance Ion 92.00 (91.70 to 92.70): VN052307.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN052307.D (-2591) (-)

10.16

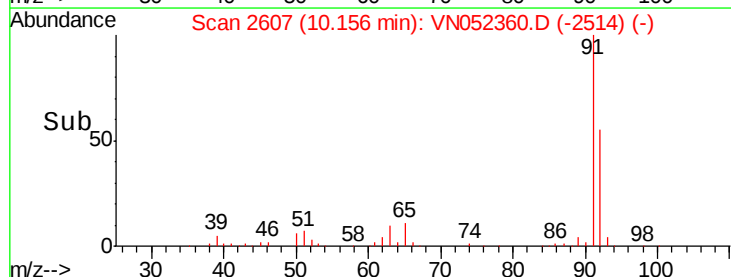
150000

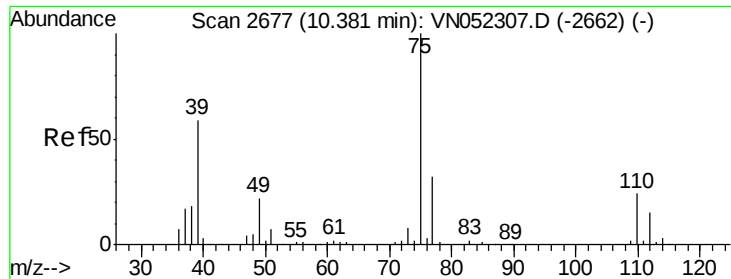
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.533 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

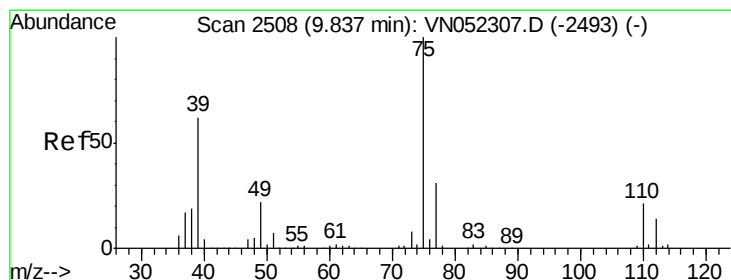
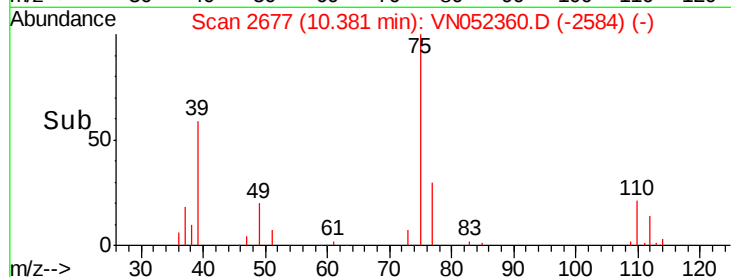
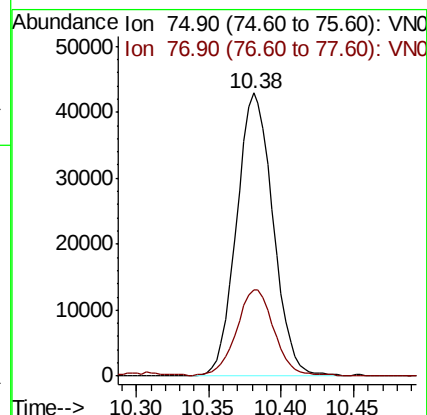
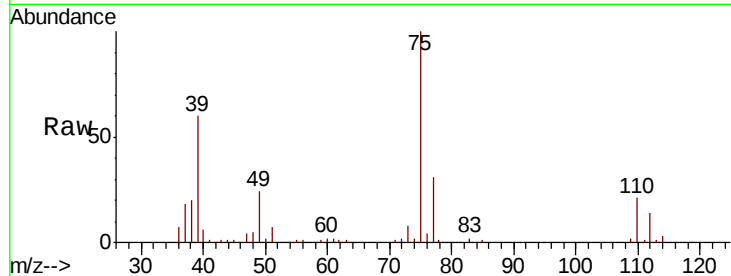
VN1116WBS02

Tot Ion: 75 Resp: 75034

Ion Ratio Lower Upper

75 100

77 30.6 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 19.121 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

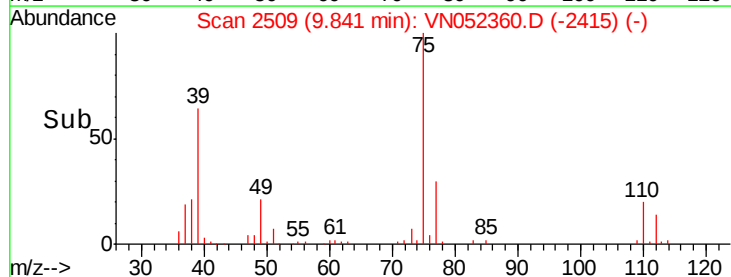
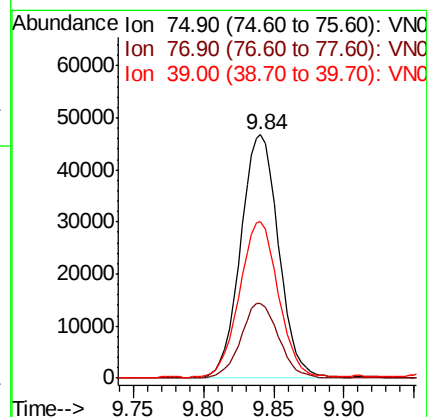
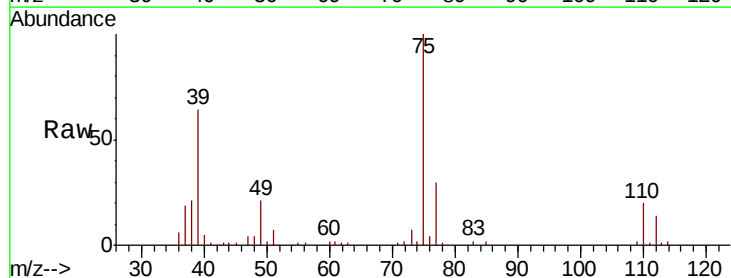
Tgt Ion: 75 Resp: 88252

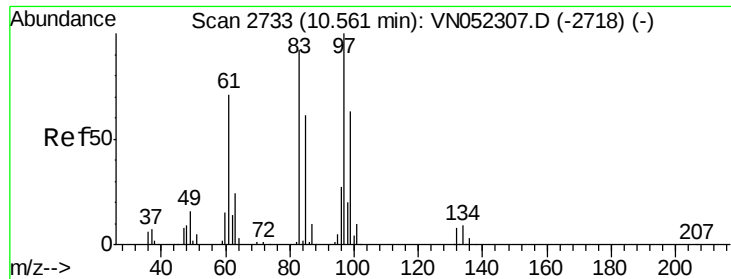
Ion Ratio Lower Upper

75 100

77 30.5 24.6 36.8

39 64.0 49.9 74.9





#55

1,1,2-Trichloroethane

Concen: 18.402 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS02

Tot Ion: 97 Resp: 47518

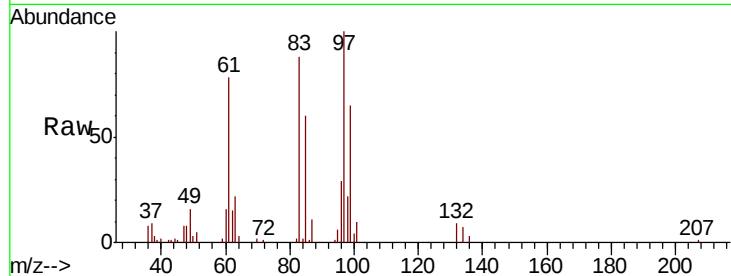
Ion Ratio Lower Upper

97 100

83 88.2 73.8 110.6

85 59.6 49.0 73.4

99 64.8 50.5 75.7



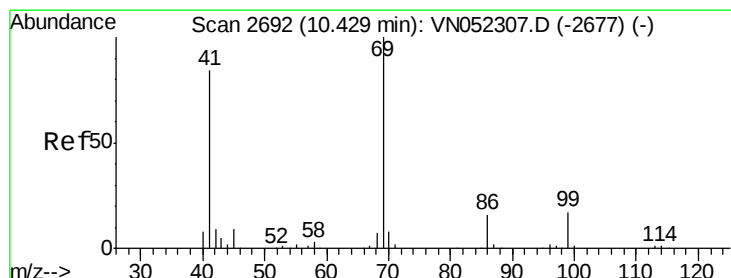
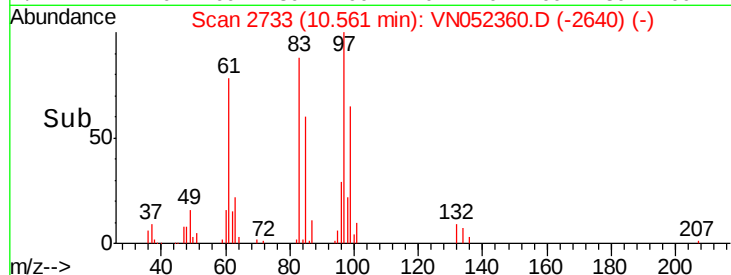
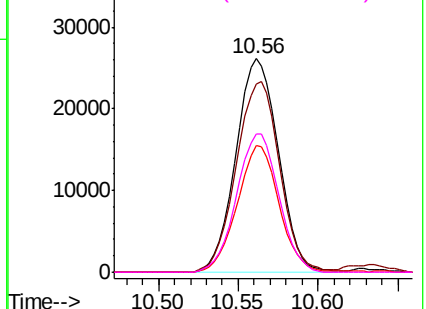
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 18.213 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

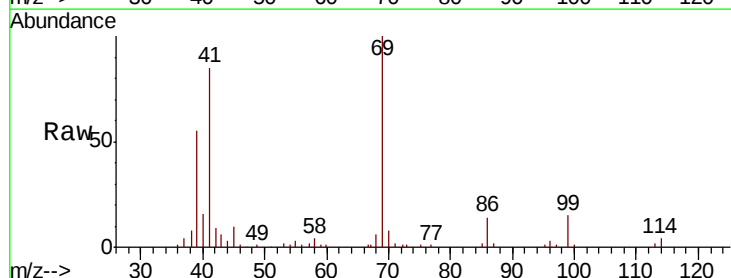
Tgt Ion: 69 Resp: 61851

Ion Ratio Lower Upper

69 100

41 84.0 64.8 97.2

39 54.8 41.0 61.6

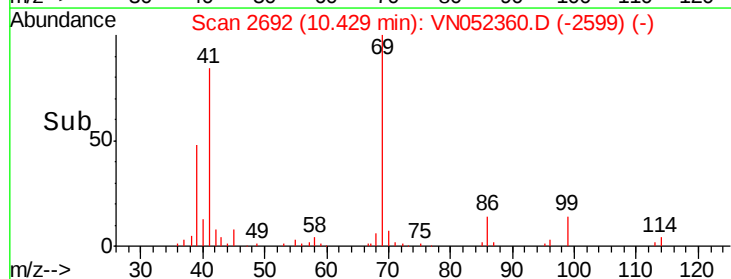
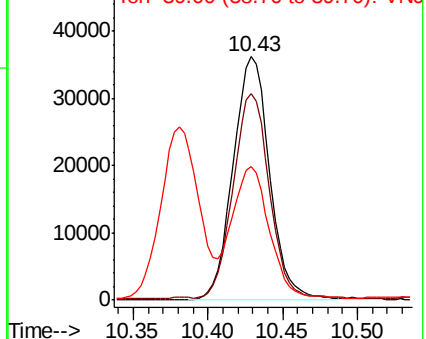


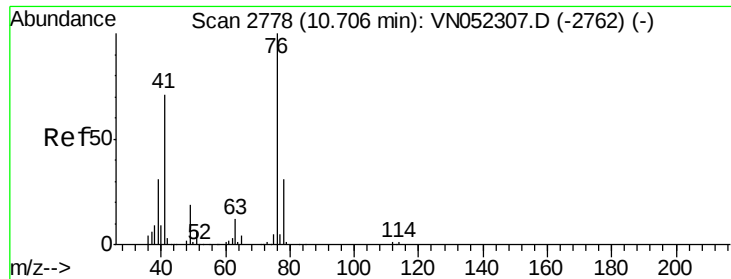
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 18.902 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

Instrument :

MSVOA_N

ClientSampled :

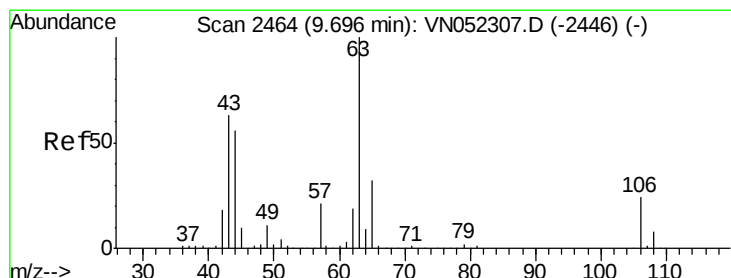
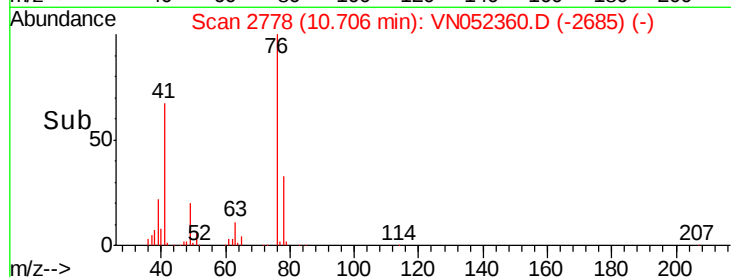
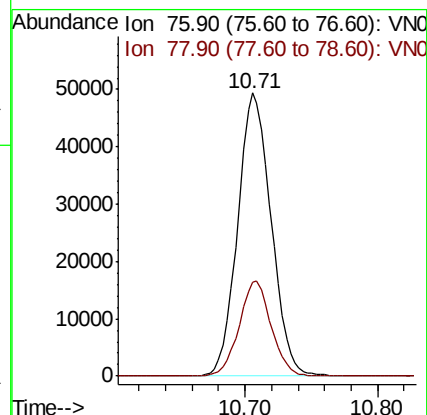
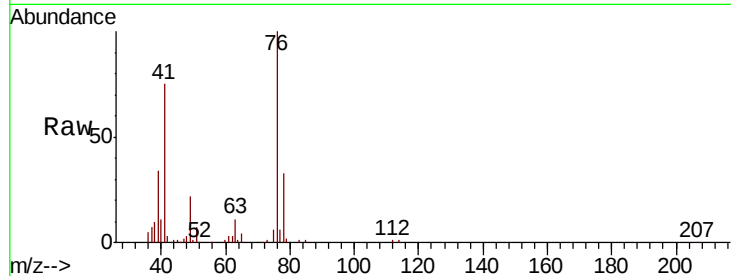
VN1116WBS02

Tot Ion: 76 Resp: 86457

Ion Ratio Lower Upper

76 100

78 32.1 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 99.722 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052360.D

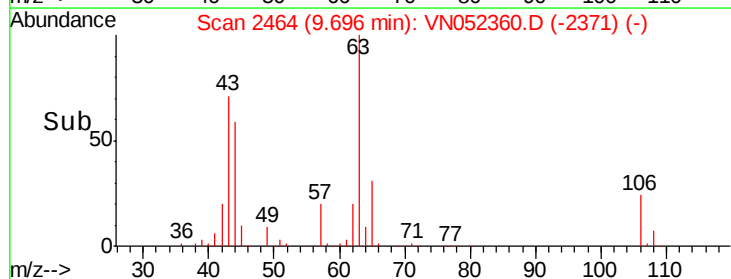
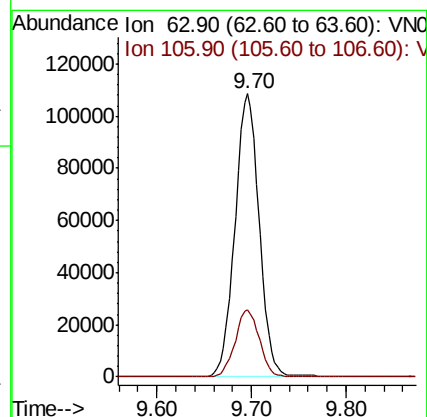
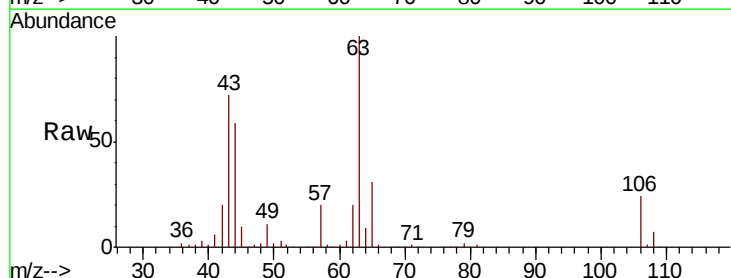
Acq: 16 Nov 2018 13:13

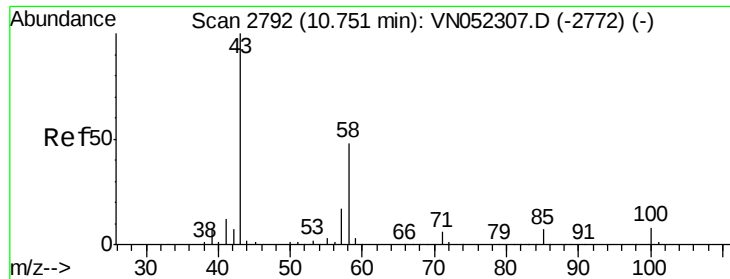
Tgt Ion: 63 Resp: 192805

Ion Ratio Lower Upper

63 100

106 23.8 19.3 28.9





#59

2-Hexanone

Concen: 84.966 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

Instrument :

MSVOA_N

ClientSampled :

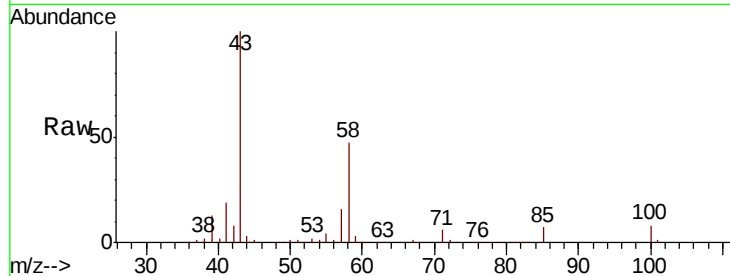
VN1116WBS02

Tot Ion: 43 Resp: 171719

Ion Ratio Lower Upper

43 100

58 45.3 23.5 70.6



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-2772) (-)

Ion 58.00 (57.70 to 58.70): VN052307.D (-2772) (-)

10.75

80000

60000

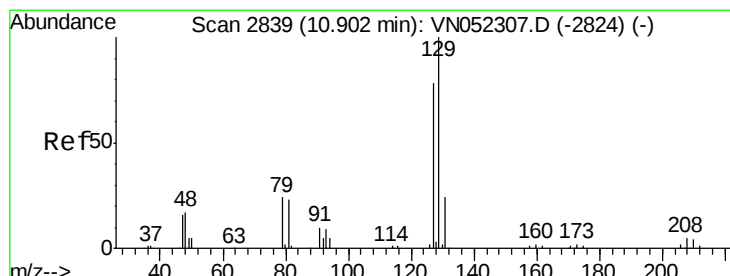
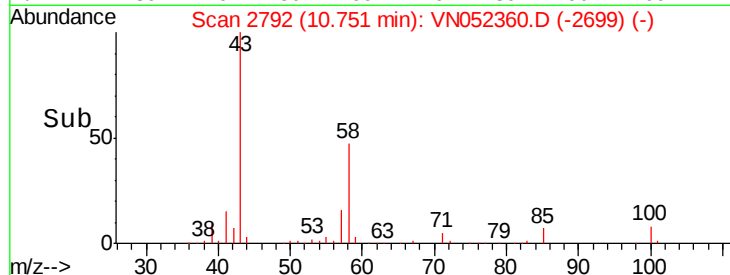
40000

20000

0

10.70 10.75 10.80 10.85

Time-->



#60

Dibromochloromethane

Concen: 18.414 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN052360.D

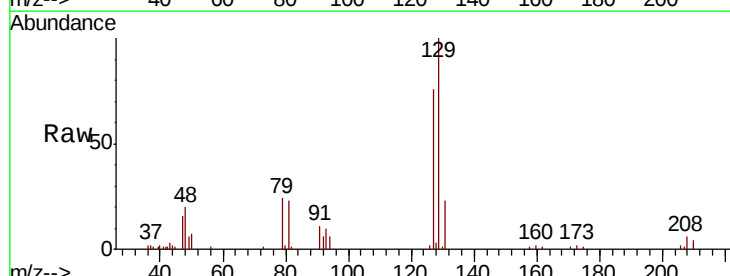
Acq: 16 Nov 2018 13:13

Tgt Ion: 129 Resp: 51446

Ion Ratio Lower Upper

129 100

127 78.8 38.5 115.5



Abundance Ion 128.80 (128.50 to 129.50): VN052307.D (-2824) (-)

Ion 126.80 (126.50 to 127.50): VN052307.D (-2824) (-)

10.90

30000

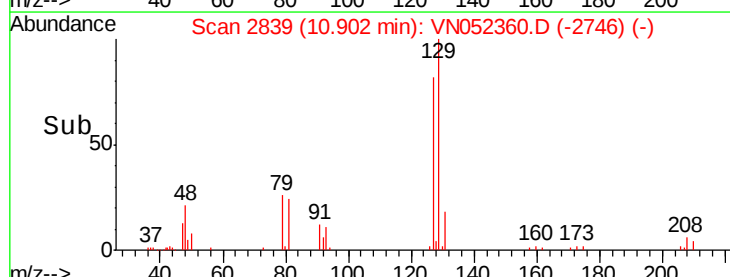
20000

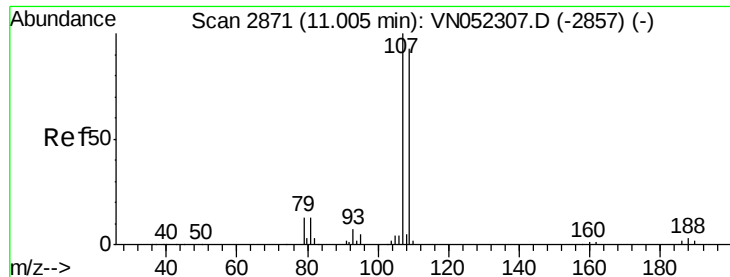
10000

0

10.85 10.90 10.95

Time-->

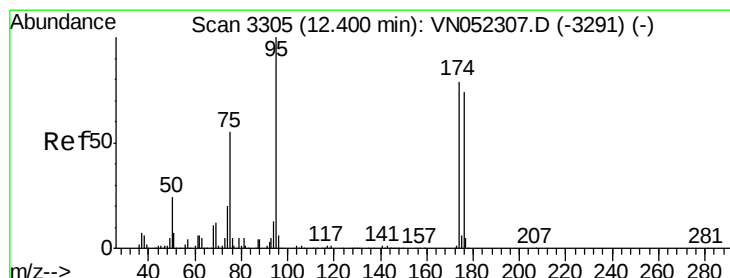
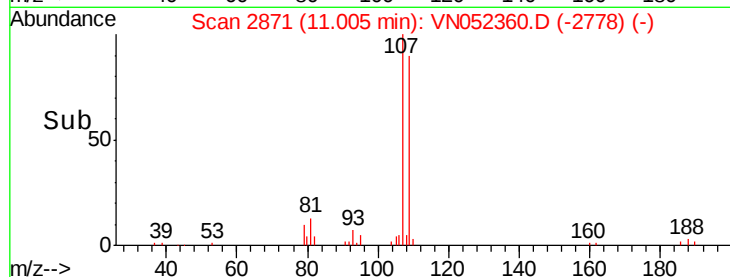
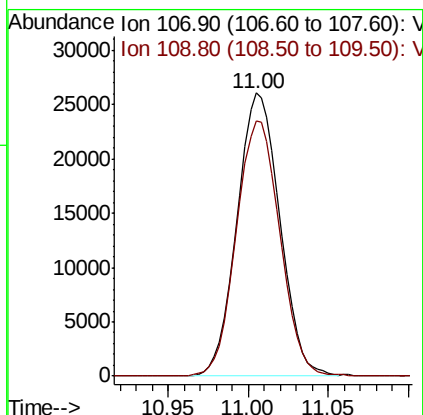
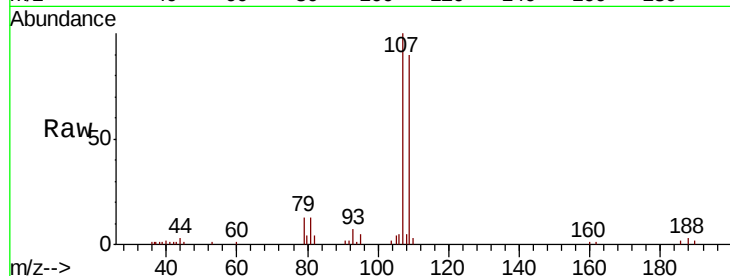




#61
 1,2-Dibromoethane
 Concen: 18.506 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052360.D
 Acq: 16 Nov 2018 13:13

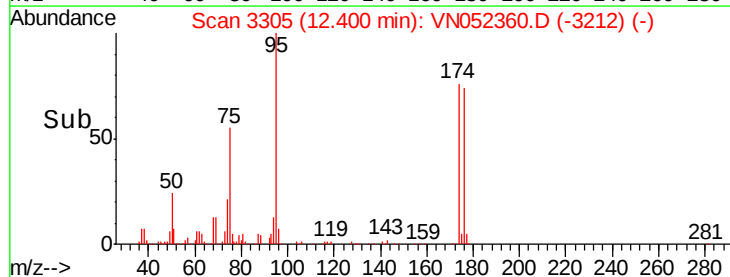
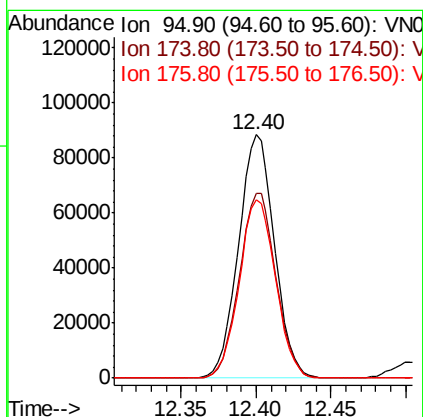
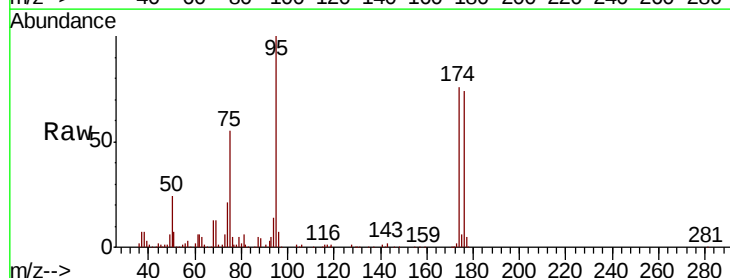
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS02

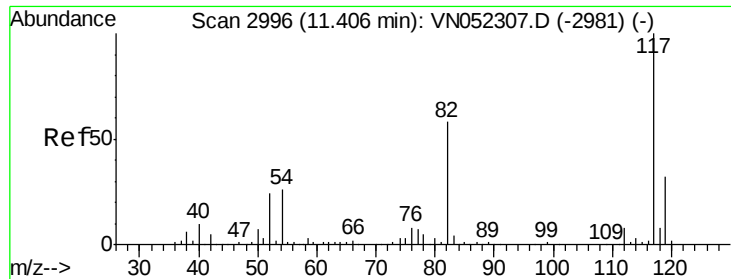
Tot Ion: 107 Resp: 47602
 Ion Ratio Lower Upper
 107 100
 109 91.9 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 18.506 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052360.D
 Acq: 16 Nov 2018 13:13

Tgt Ion: 95 Resp: 147660
 Ion Ratio Lower Upper
 95 100
 174 77.3 0.0 156.0
 176 74.2 0.0 148.4

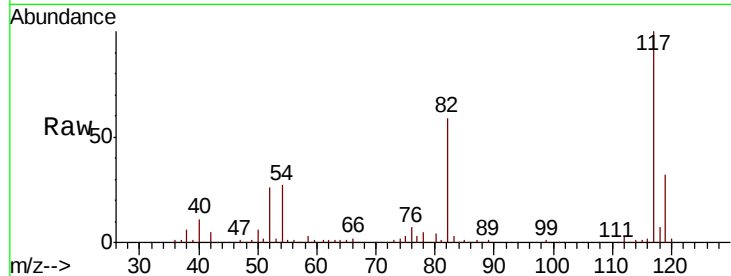




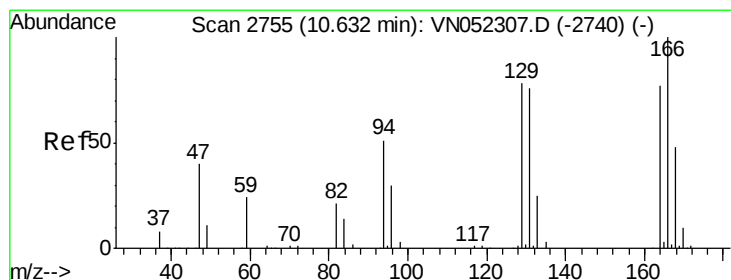
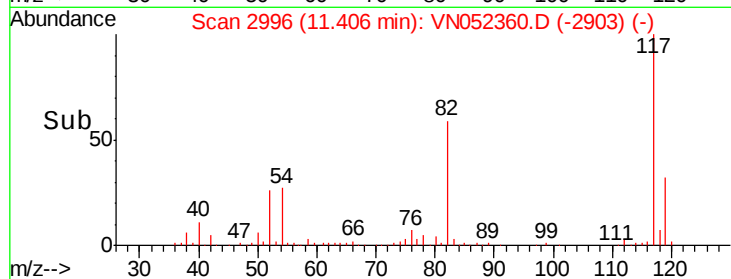
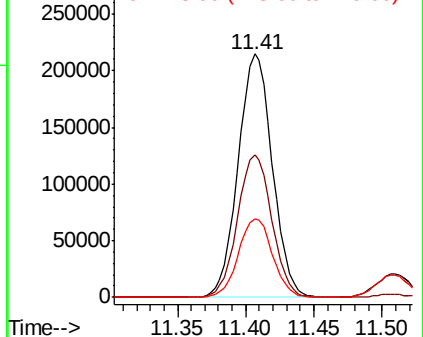
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052360.D
Acq: 16 Nov 2018 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS02

Tot Ion:117 Resp: 373823
Ion Ratio Lower Upper
117 100
82 58.7 46.5 69.7
119 32.2 25.7 38.5

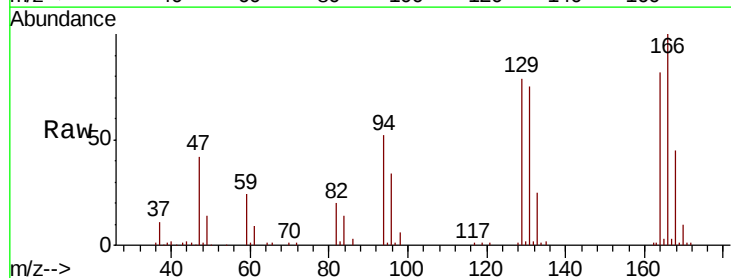


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

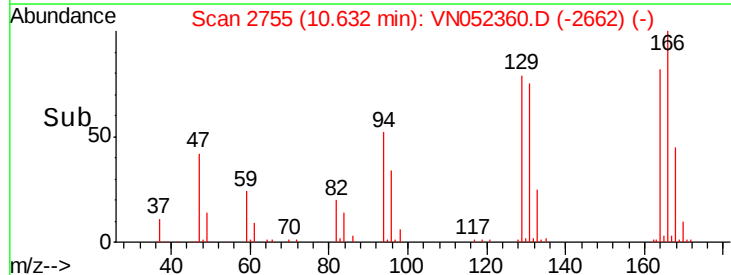
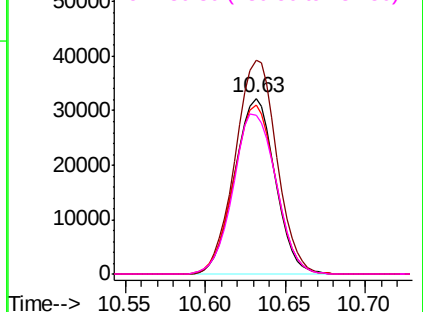


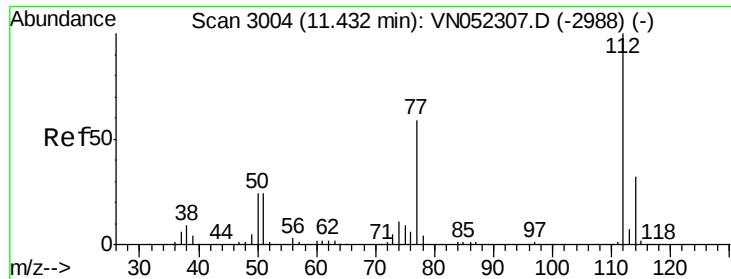
#64
Tetrachloroethene
Concen: 21.030 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052360.D
Acq: 16 Nov 2018 13:13

Tgt Ion:164 Resp: 55890
Ion Ratio Lower Upper
164 100
166 121.7 103.8 155.6
129 96.1 80.7 121.1
131 90.8 78.5 117.7



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

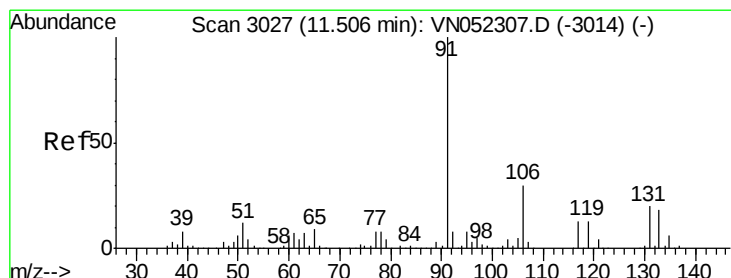
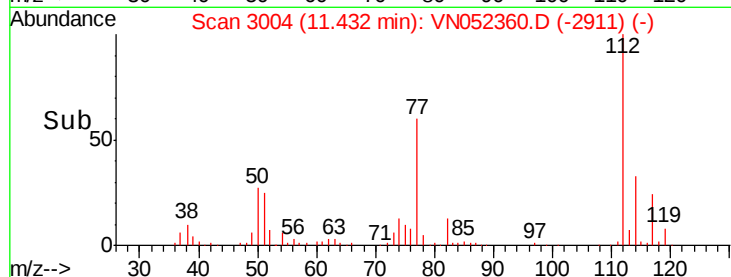
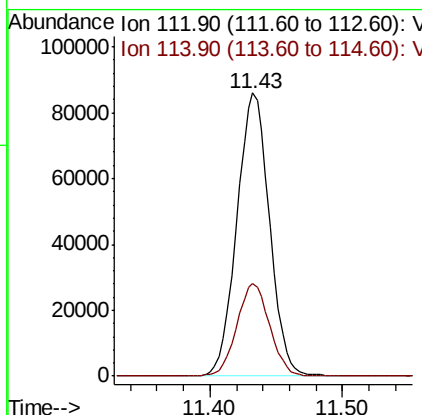
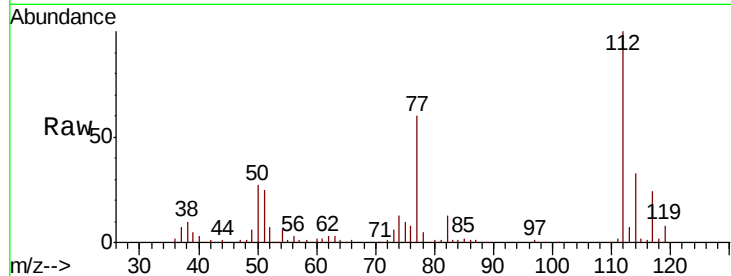




#65
Chlorobenzene
Concen: 18.571 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052360.D
Acq: 16 Nov 2018 13:13

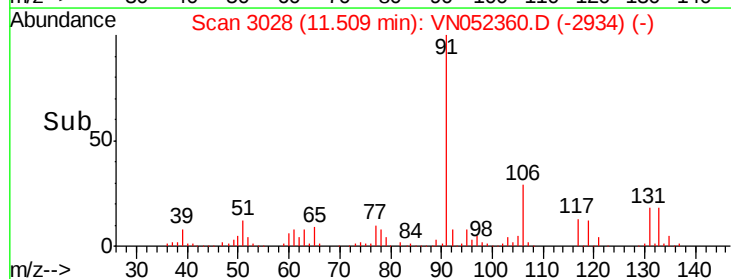
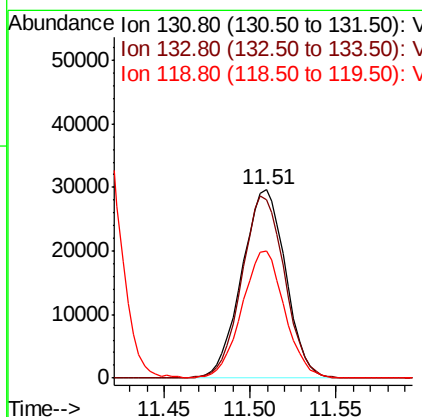
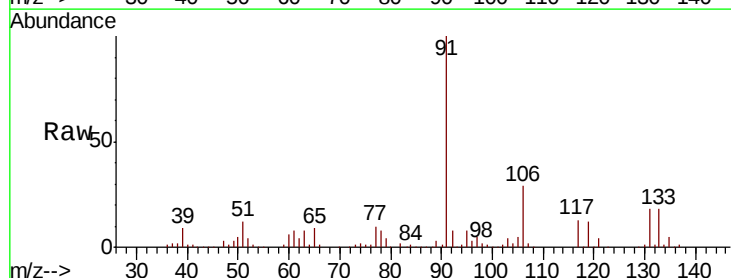
Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS02

Tot Ion:112 Resp: 146745
Ion Ratio Lower Upper
112 100
114 32.7 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.421 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052360.D
Acq: 16 Nov 2018 13:13

Tgt Ion:131 Resp: 52331
Ion Ratio Lower Upper
131 100
133 94.6 47.4 142.3
119 65.7 33.3 99.9

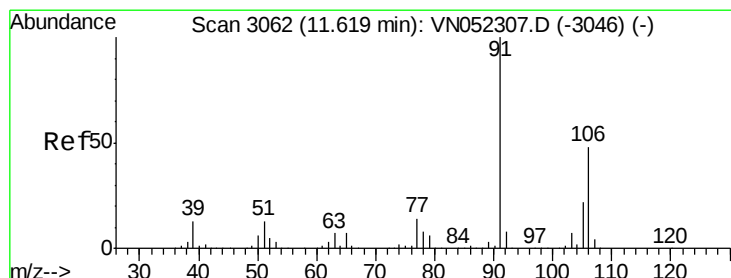
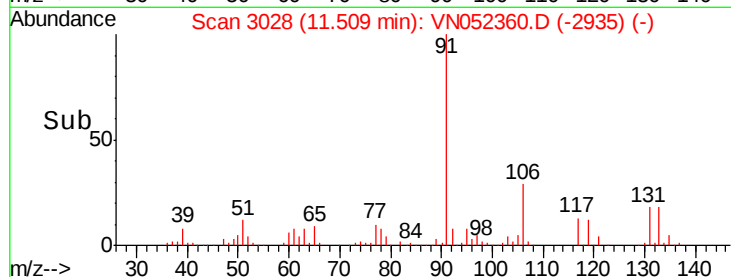
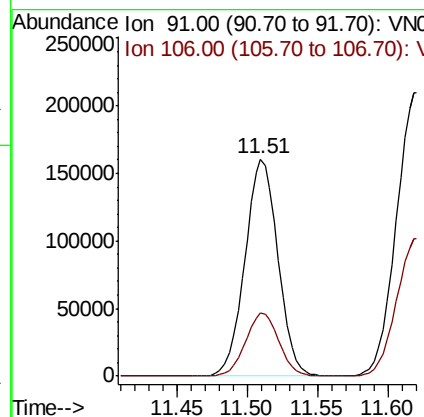
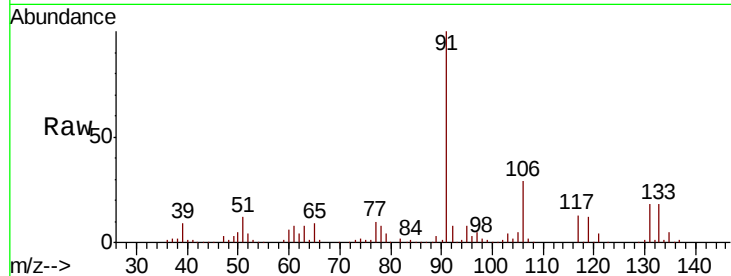




#67
Ethyl Benzene
Concen: 19.189 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052360.D
Acq: 16 Nov 2018 13:13

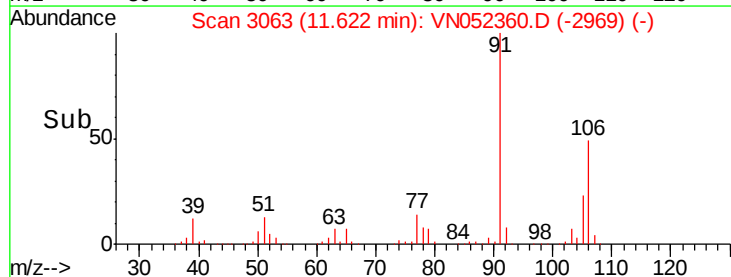
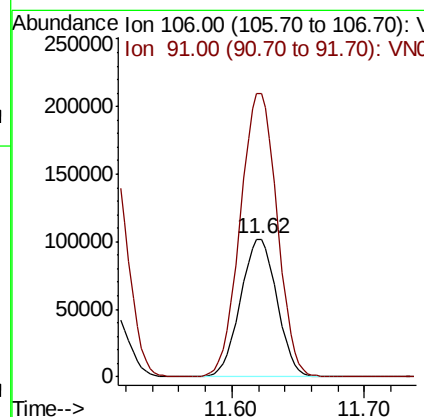
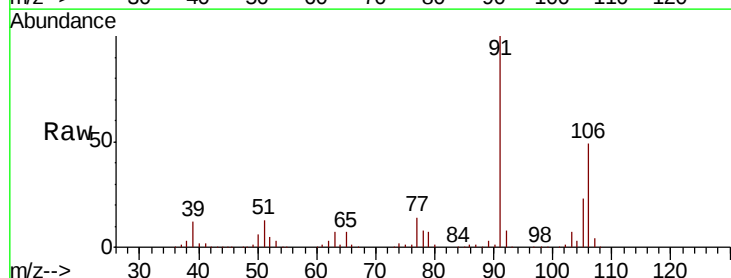
Instrument :
MSVOA_N
ClientSampled :
VN1116WBS02

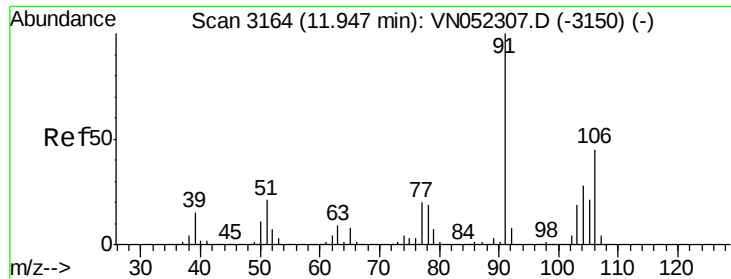
Tot Ion: 91 Resp: 263168
Ion Ratio Lower Upper
91 100
106 29.0 24.2 36.2



#68
m/p-Xylenes
Concen: 38.890 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052360.D
Acq: 16 Nov 2018 13:13

Tgt Ion: 106 Resp: 194871
Ion Ratio Lower Upper
106 100
91 207.4 165.5 248.3

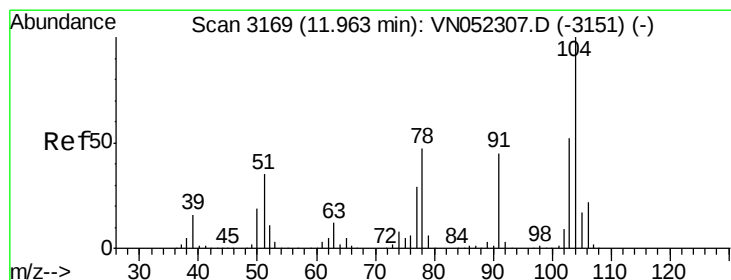
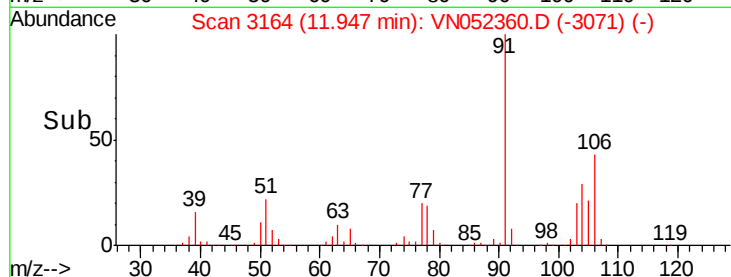
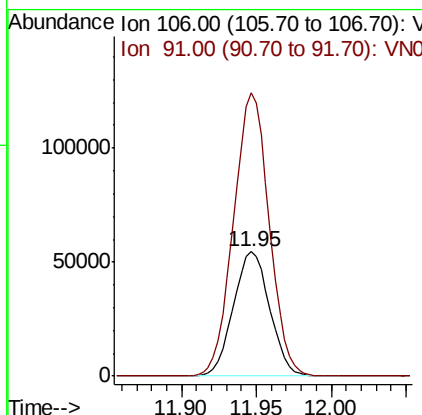
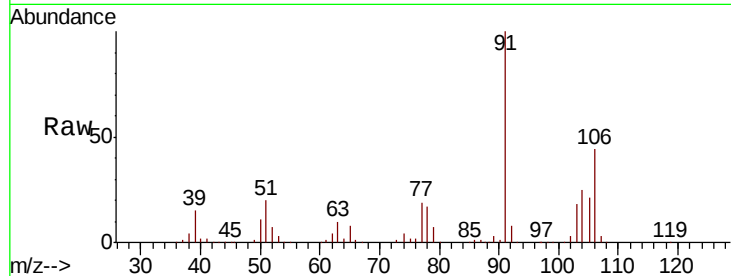




#69
o-Xylene
Concen: 19.197 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052360.D
Acq: 16 Nov 2018 13:13

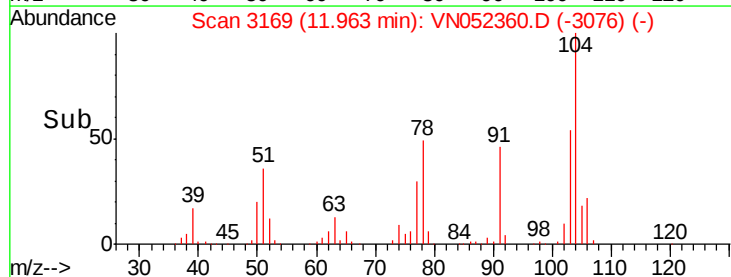
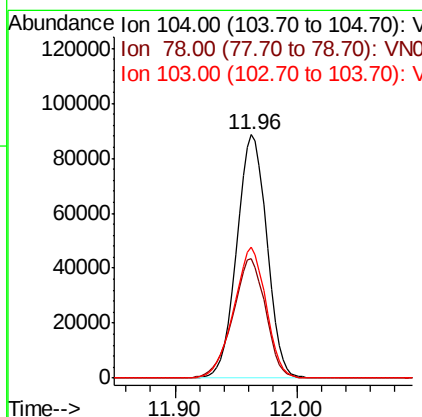
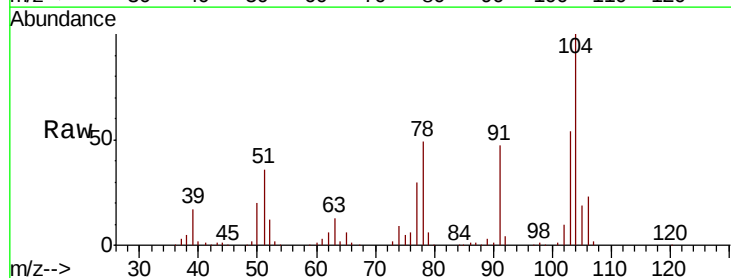
Instrument :
MSVOA_N
ClientSampled :
VN1116WBS02

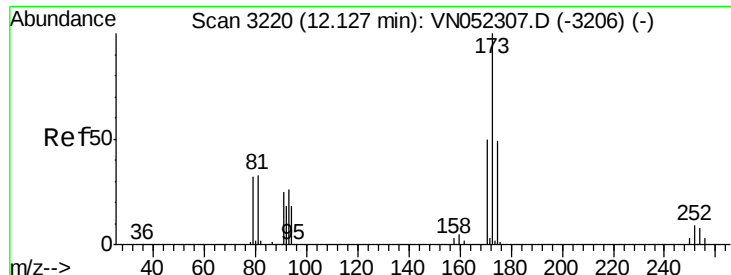
Tot Ion:106 Resp: 92207
Ion Ratio Lower Upper
106 100
91 223.5 110.0 330.0



#70
Styrene
Concen: 19.625 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052360.D
Acq: 16 Nov 2018 13:13

Tgt Ion:104 Resp: 150939
Ion Ratio Lower Upper
104 100
78 53.7 42.7 64.1
103 57.6 45.4 68.0

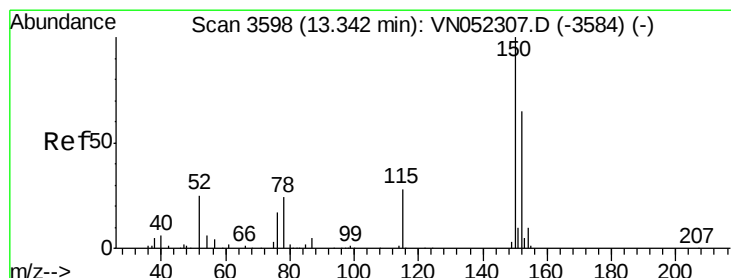
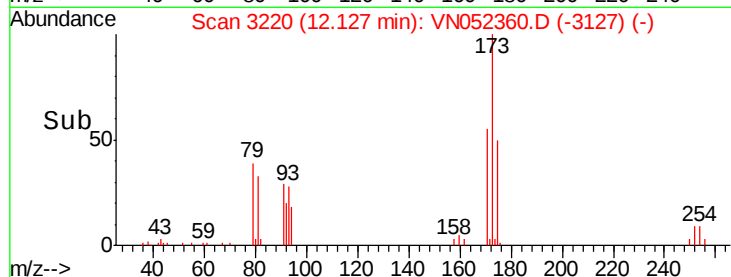
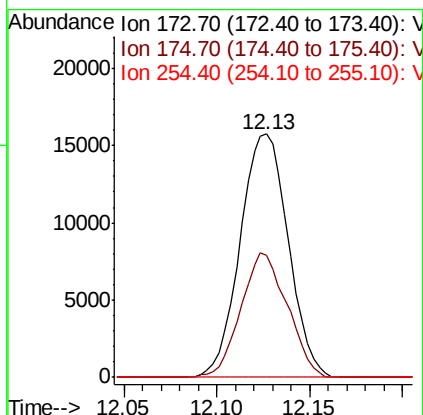
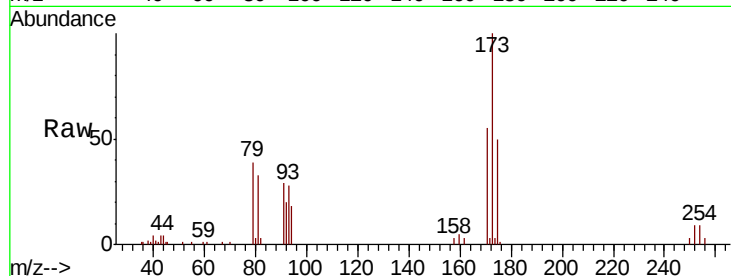




#71
Bromoform
Concen: 17.797 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052360.D
Acq: 16 Nov 2018 13:13

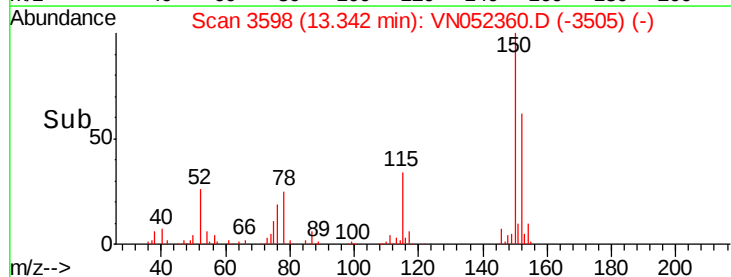
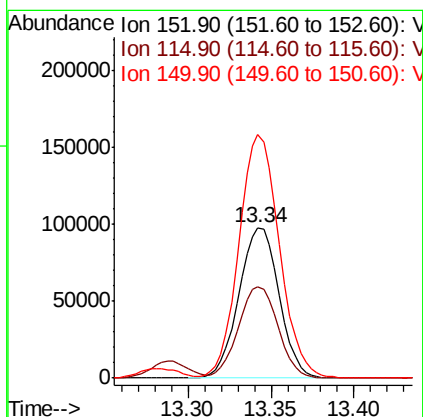
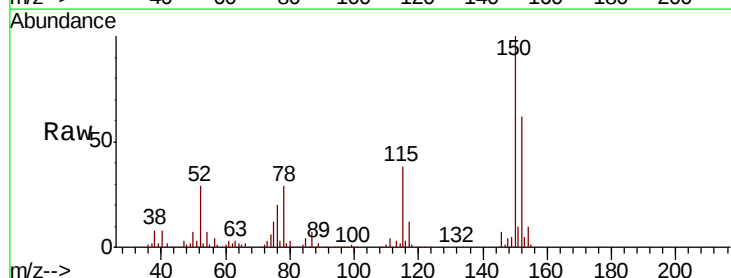
Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS02

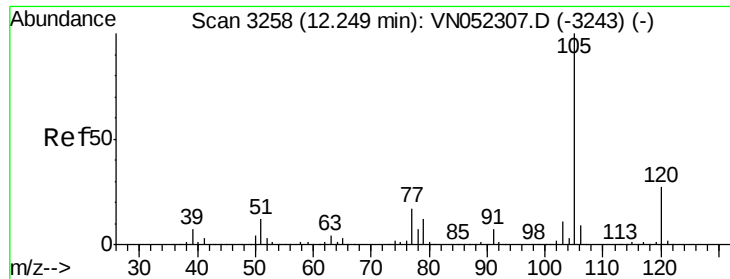
Tot Ion:173 Resp: 28313
Ion Ratio Lower Upper
173 100
175 49.5 25.0 75.0
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052360.D
Acq: 16 Nov 2018 13:13

Tgt Ion:152 Resp: 164153
Ion Ratio Lower Upper
152 100
115 60.2 30.3 91.0
150 163.5 0.0 348.2





#73

Isopropylbenzene

Concen: 19.072 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

Instrument :

MSVOA_N

ClientSampled :

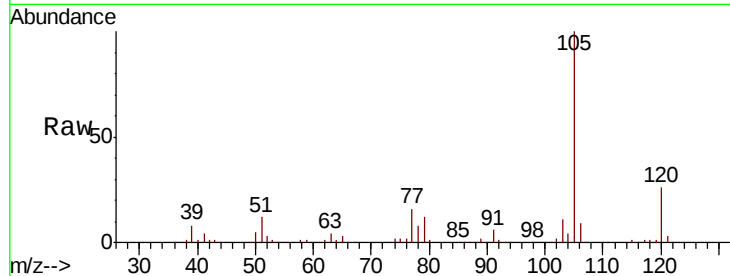
VN1116WBS02

Tot Ion:105 Resp: 251703

Ion Ratio Lower Upper

105 100

120 26.1 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

150000

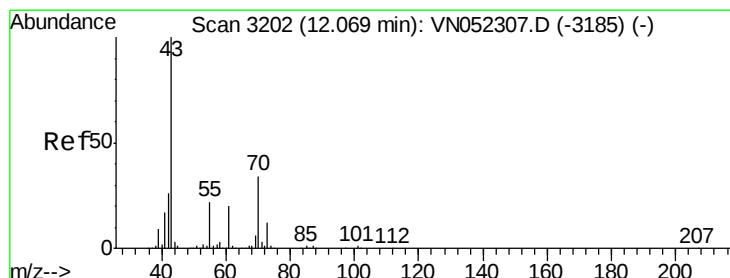
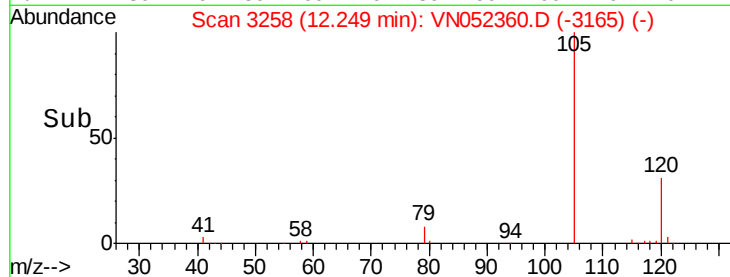
100000

50000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 17.959 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

Tgt Ion: 43 Resp: 84419

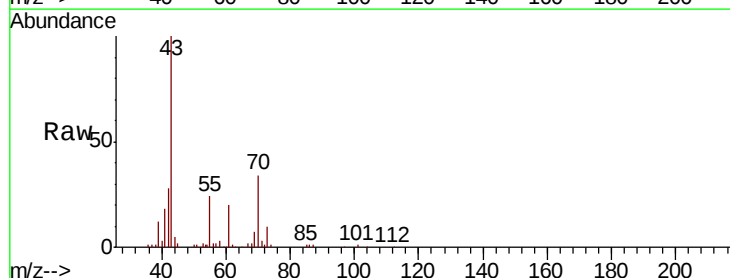
Ion Ratio Lower Upper

43 100

70 34.6 27.1 40.7

55 23.2 17.4 26.0

61 20.3 16.1 24.1



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

12.07

80000

60000

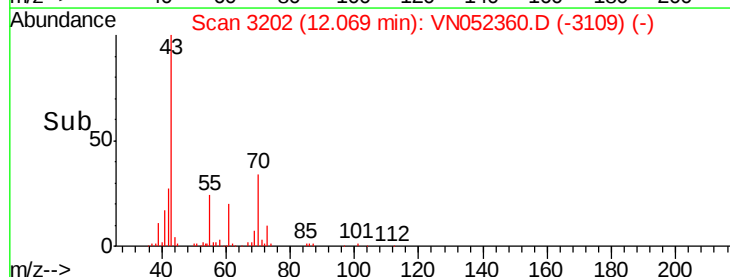
40000

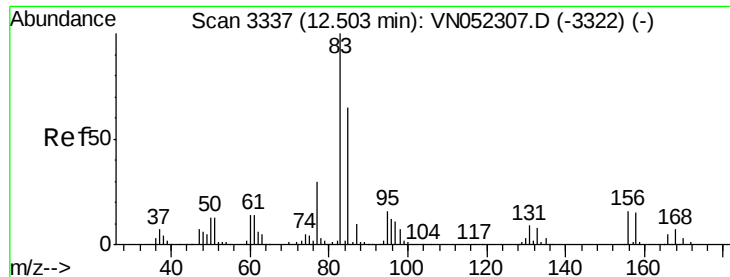
20000

0

Time-->

12.00 12.05 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 17.851 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS02

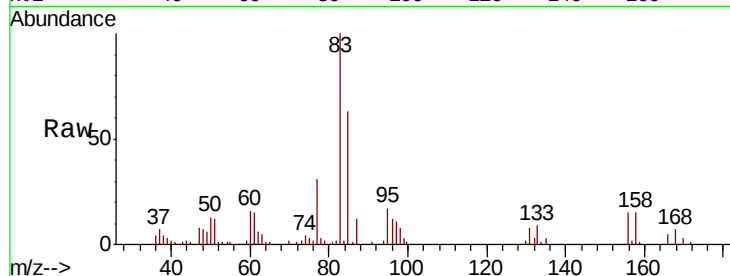
Tot Ion: 83 Resp: 56953

Ion Ratio Lower Upper

83 100

131 9.7 4.7 14.1

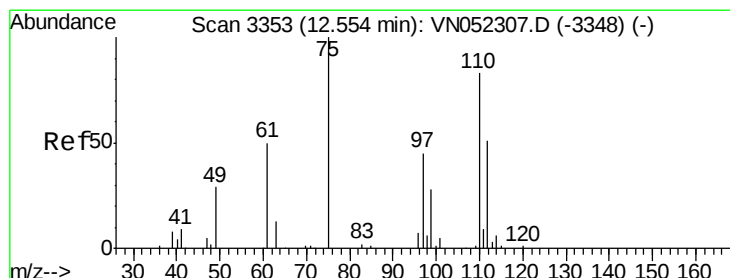
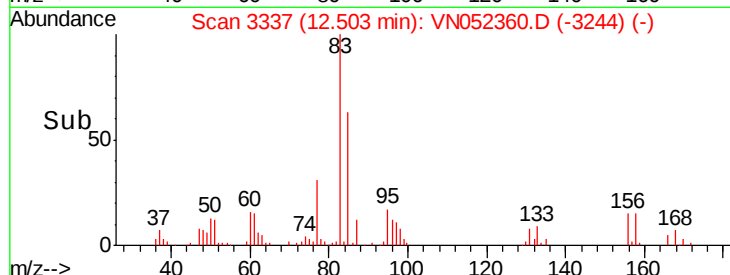
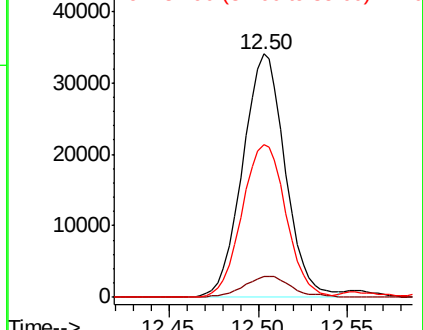
85 64.9 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 26.602 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052360.D

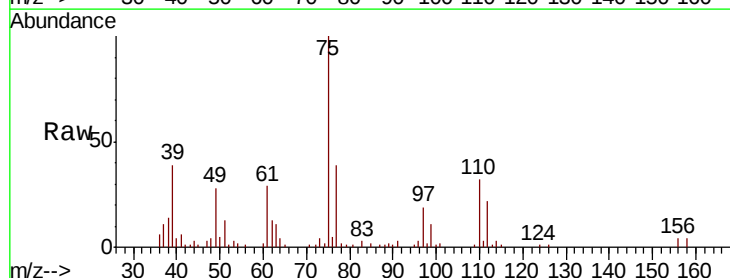
Acq: 16 Nov 2018 13:13

Tgt Ion: 75 Resp: 74097

Ion Ratio Lower Upper

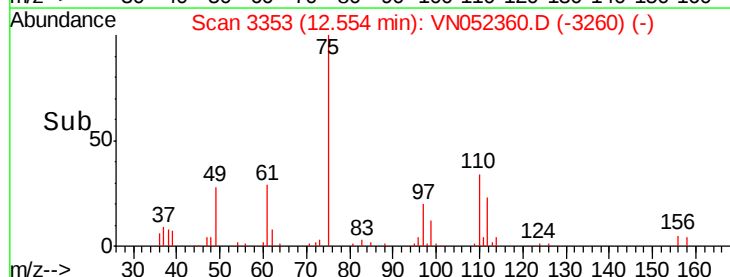
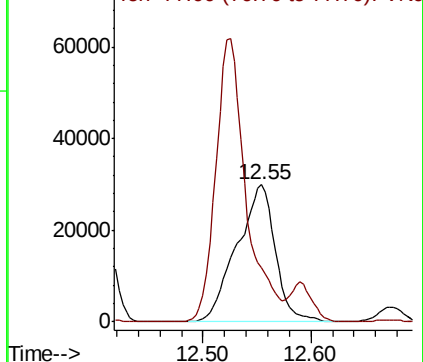
75 100

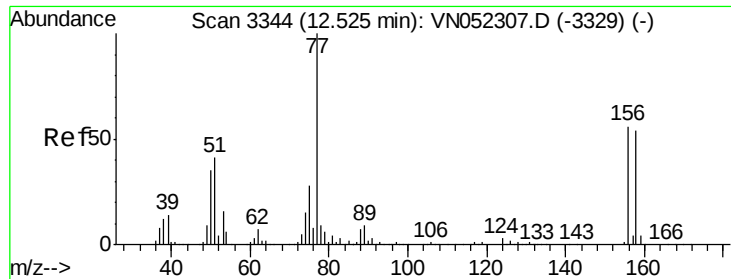
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 18.931 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS02

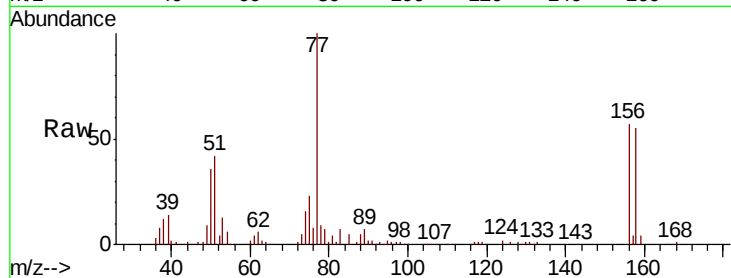
Tot Ion:156 Resp: 58133

Ion Ratio Lower Upper

156 100

77 206.5 103.6 310.9

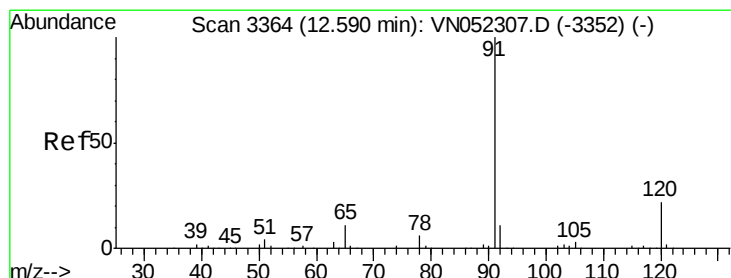
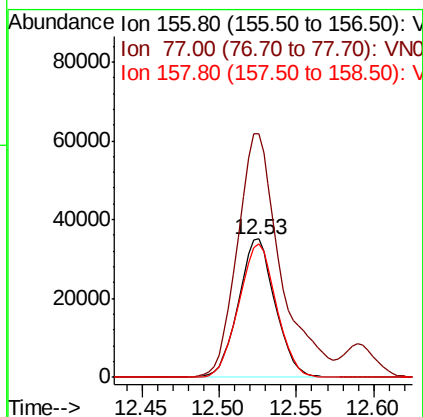
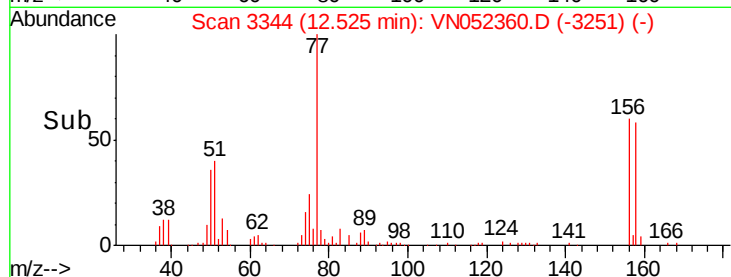
158 98.4 48.1 144.4



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: 19.338 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN052360.D

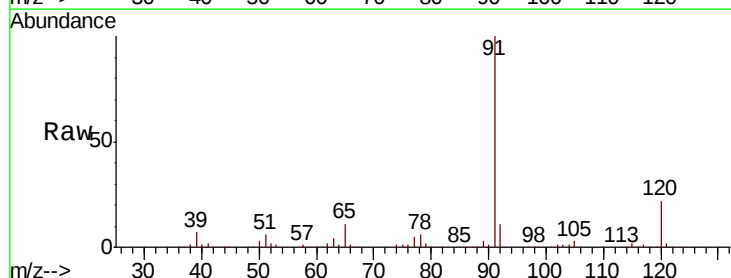
Acq: 16 Nov 2018 13:13

Tgt Ion: 91 Resp: 298488

Ion Ratio Lower Upper

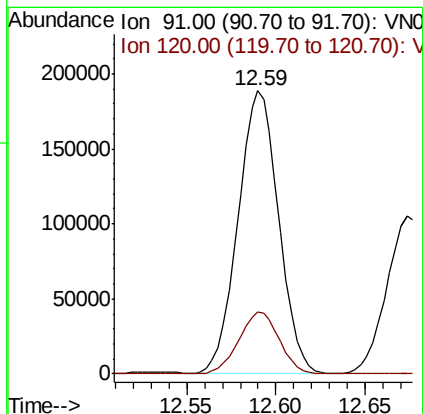
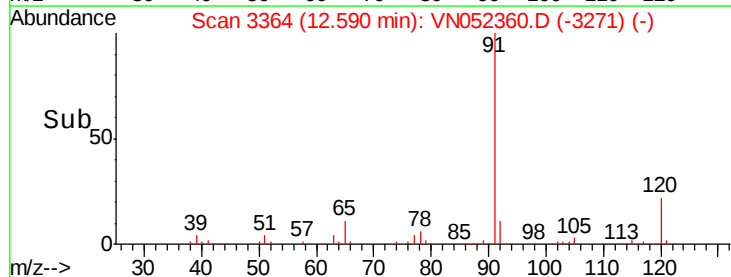
91 100

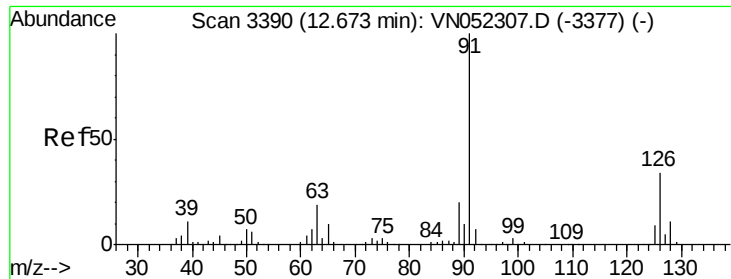
120 21.8 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

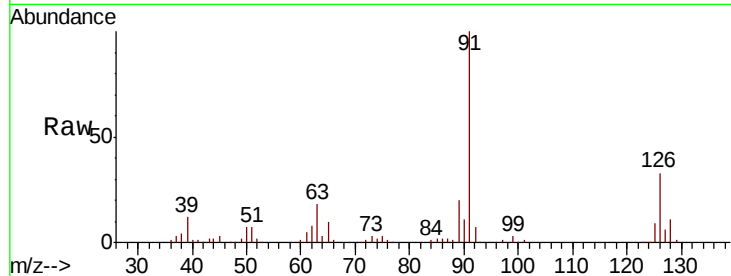




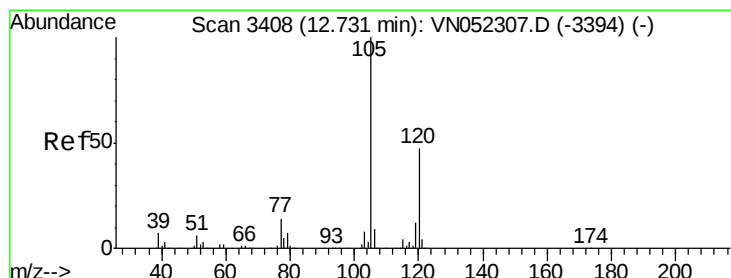
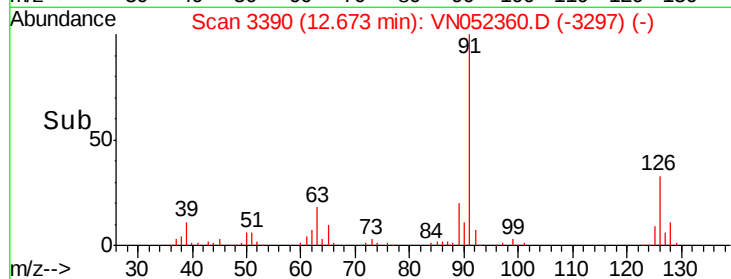
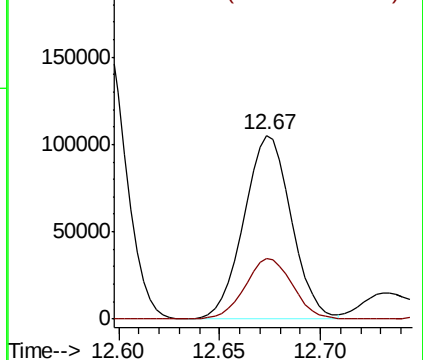
#79
 2-Chlorotoluene
 Concen: 19.116 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN052360.D
 Acq: 16 Nov 2018 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS02

Tot Ion: 91 Resp: 172365
 Ion Ratio Lower Upper
 91 100
 126 32.9 17.0 51.0

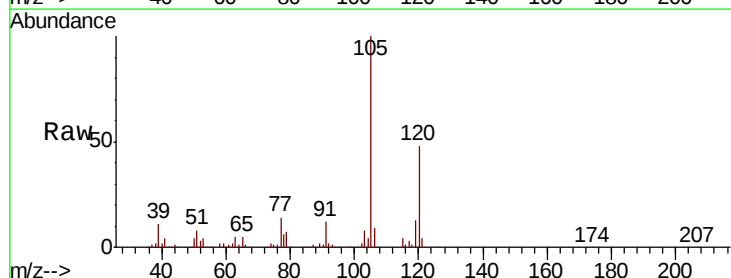


Abundance Ion 91.00 (90.70 to 91.70): VN052360.D (-3297) (-)
 Ion 125.90 (125.60 to 126.60): VN052360.D (-3297) (-)

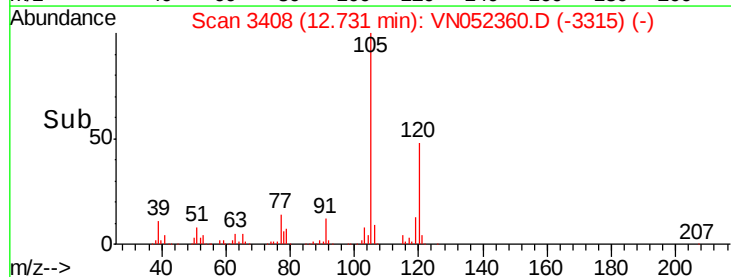
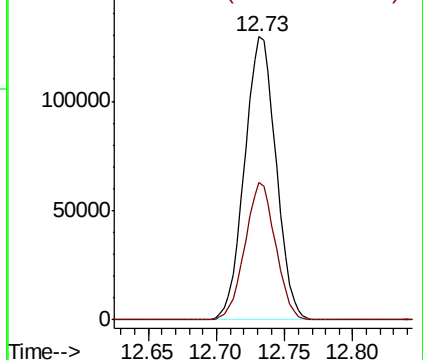


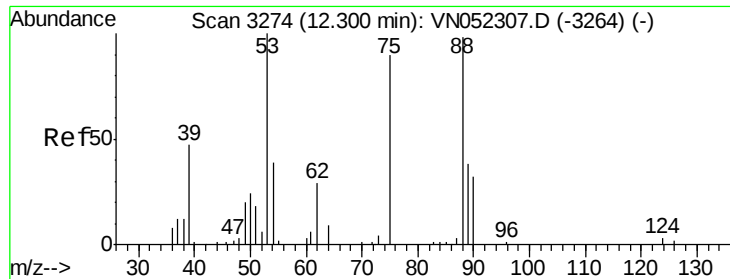
#80
 1,3,5-Trimethylbenzene
 Concen: 19.749 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN052360.D
 Acq: 16 Nov 2018 13:13

Tgt Ion: 105 Resp: 207273
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN052360.D (-3315) (-)
 Ion 120.00 (119.70 to 120.70): VN052360.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 15.691 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS02

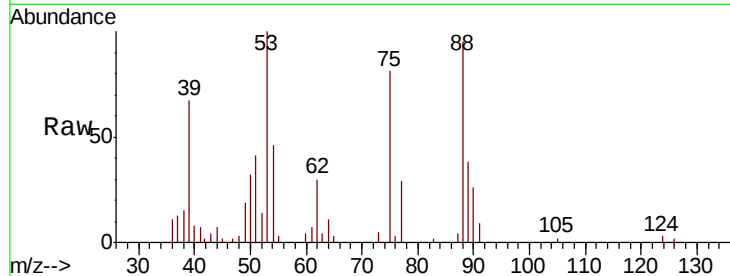
Tot Ion: 75 Resp: 13475

Ion Ratio Lower Upper

75 100

53 130.7 90.2 135.2

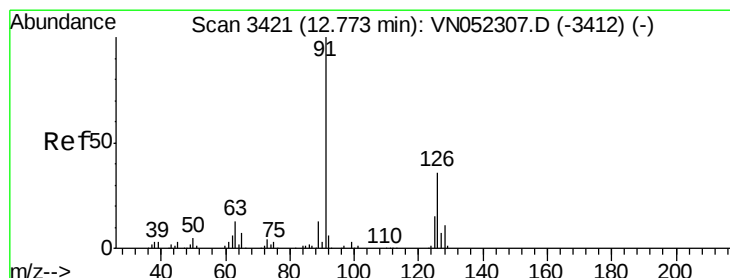
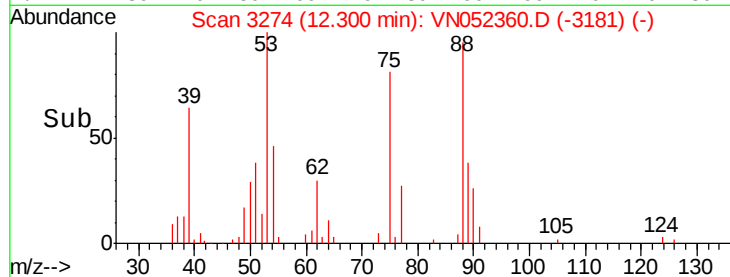
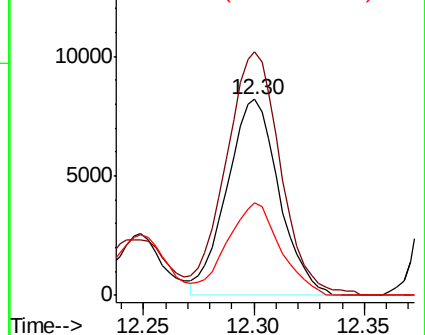
89 48.3 35.4 53.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 18.710 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052360.D

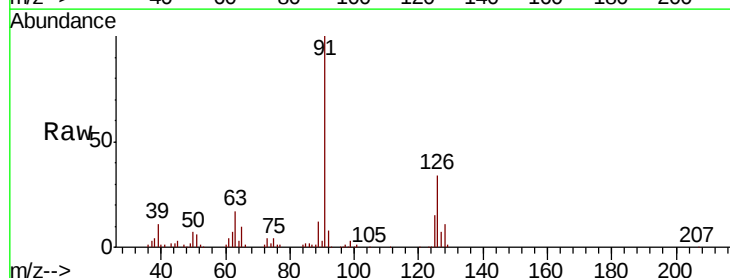
Acq: 16 Nov 2018 13:13

Tgt Ion: 91 Resp: 172842

Ion Ratio Lower Upper

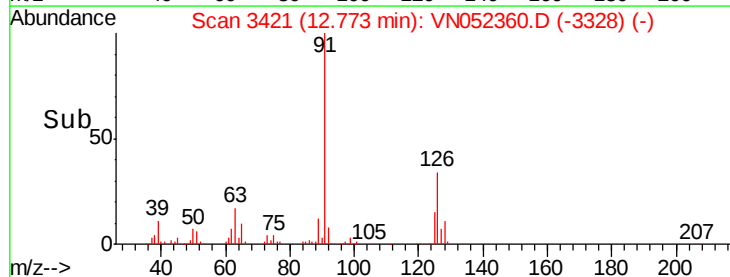
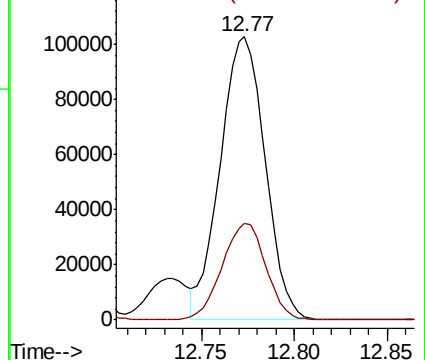
91 100

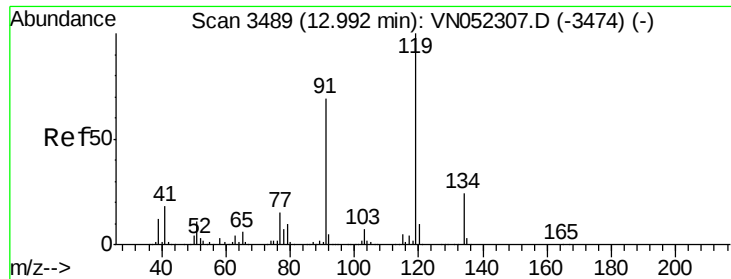
126 33.3 17.0 50.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

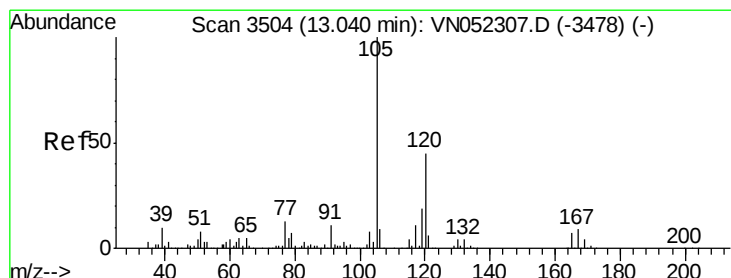
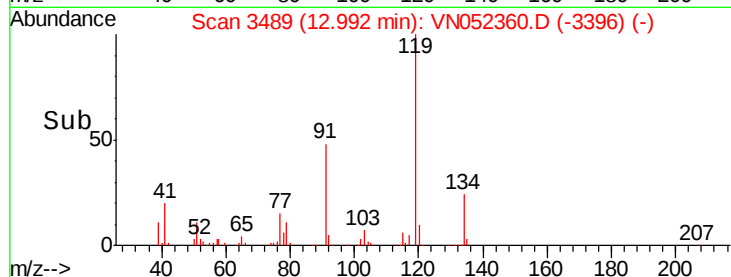
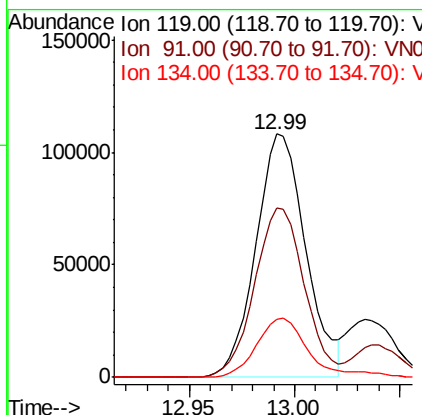
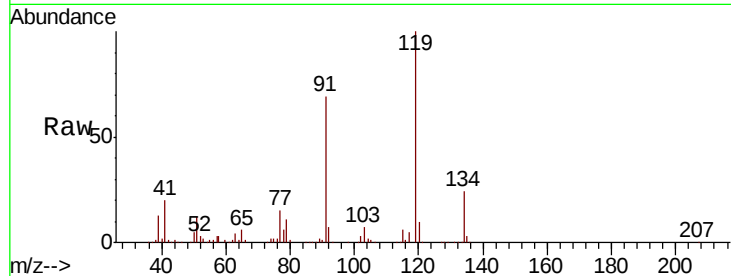




#83
 tert-Butylbenzene
 Concen: 19.272 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN052360.D
 Acq: 16 Nov 2018 13:13

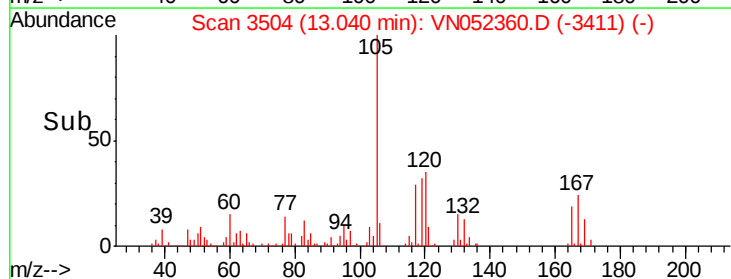
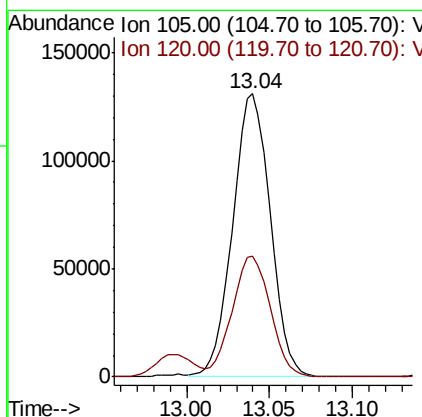
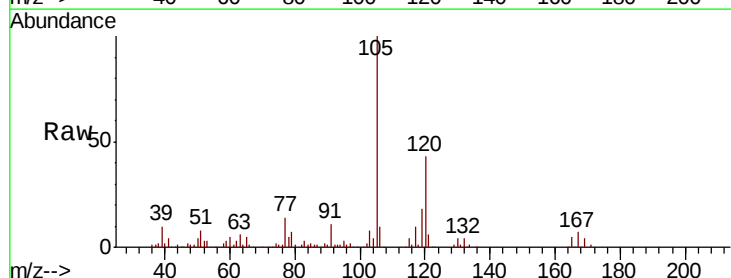
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS02

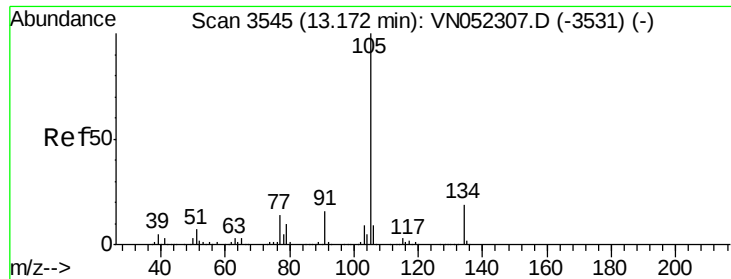
Tot Ion:	119	Resp:	178568
Ion	Ratio	Lower	Upper
119	100		
91	69.3	33.8	101.3
134	25.5	11.9	35.9



#84
 1,2,4-Trimethylbenzene
 Concen: 19.528 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052360.D
 Acq: 16 Nov 2018 13:13

Tgt Ion:	105	Resp:	205751
Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.5	67.5





#85

sec-Butylbenzene

Concen: 19.718 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

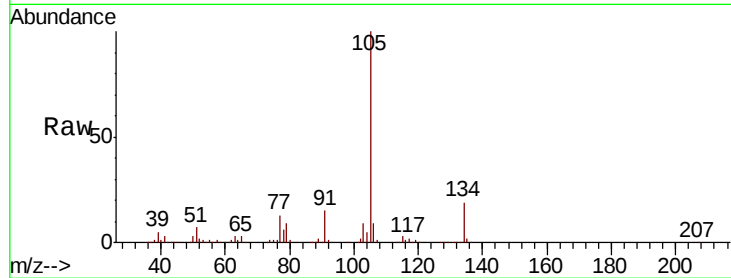
VN1116WBS02

Tot Ion:105 Resp: 248881

Ion Ratio Lower Upper

105 100

134 18.8 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

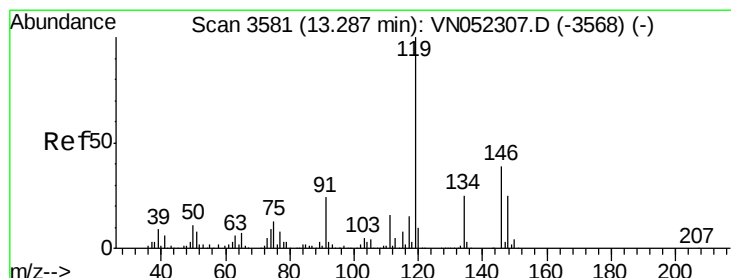
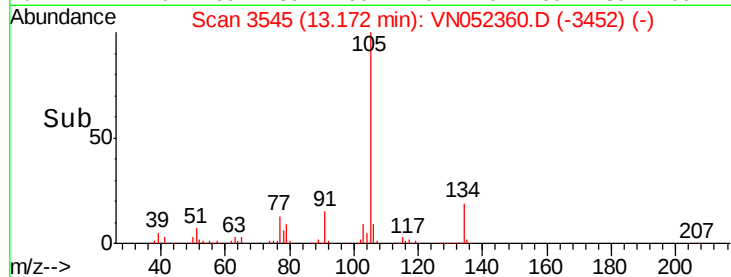
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.562 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

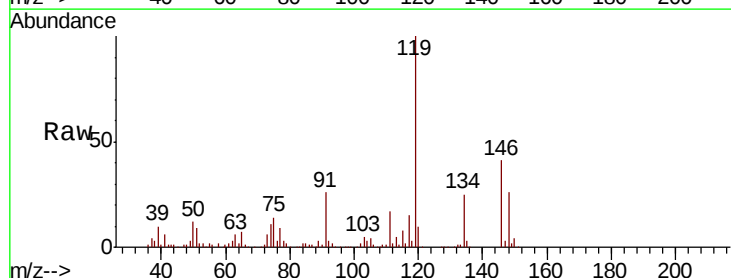
Tgt Ion:119 Resp: 209152

Ion Ratio Lower Upper

119 100

134 25.4 13.0 38.9

91 25.9 12.4 37.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

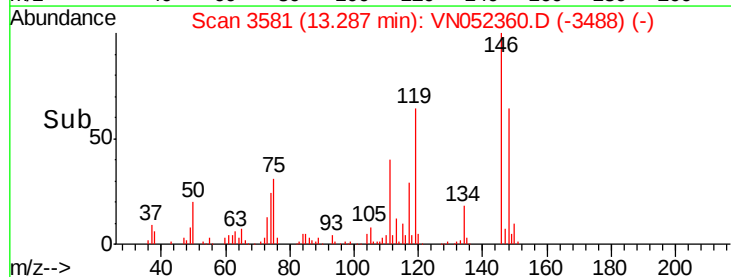
150000

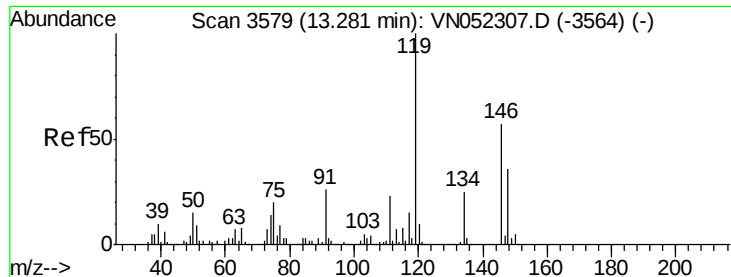
100000

50000

0

Time-->

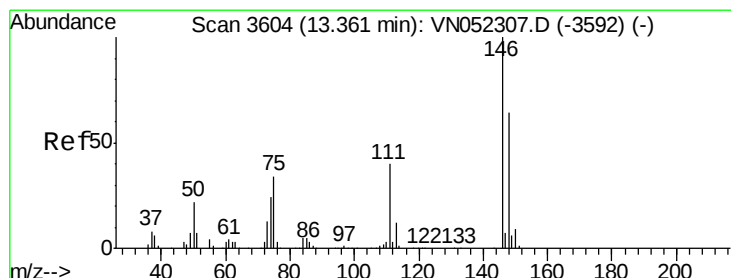
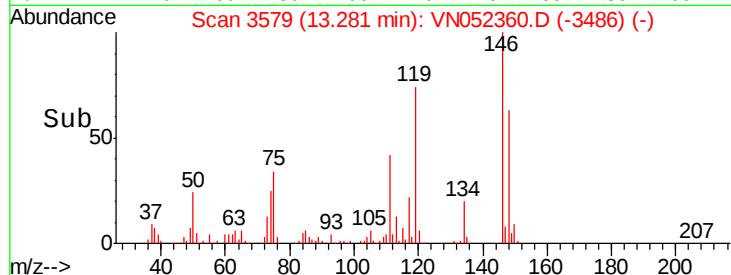
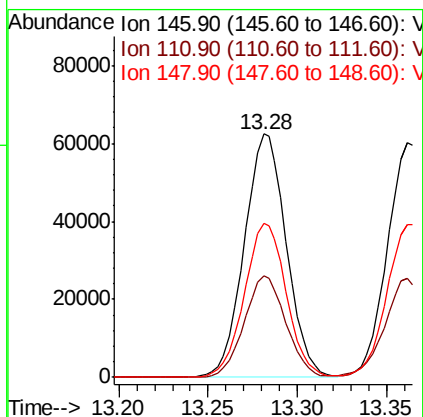
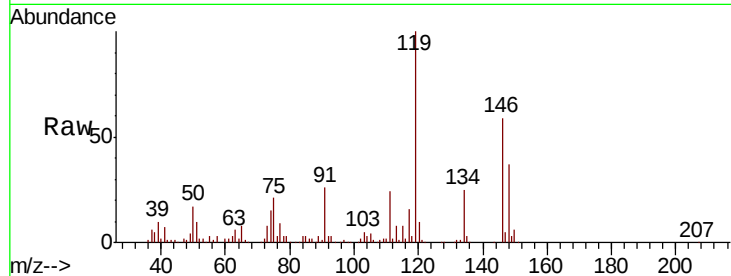




#87
 1,3-Dichlorobenzene
 Concen: 18.875 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052360.D
 Acq: 16 Nov 2018 13:13

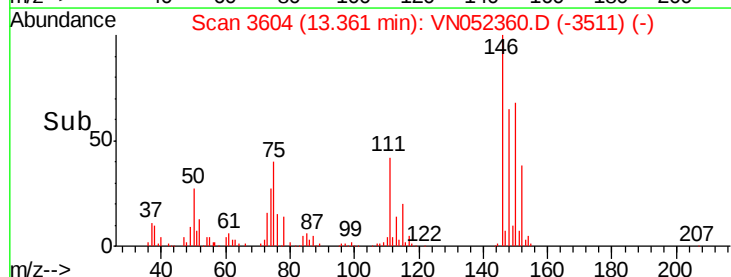
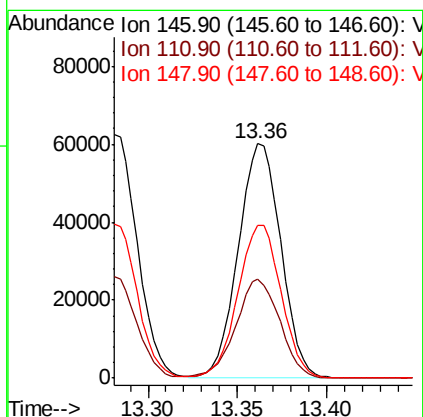
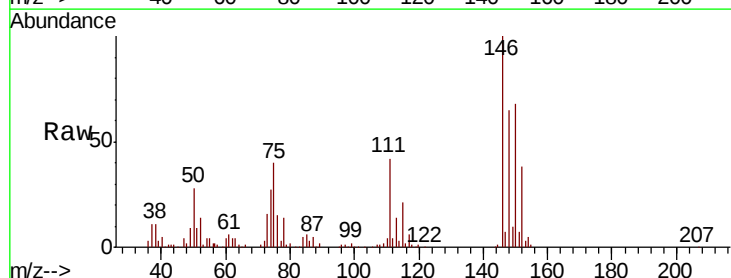
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS02

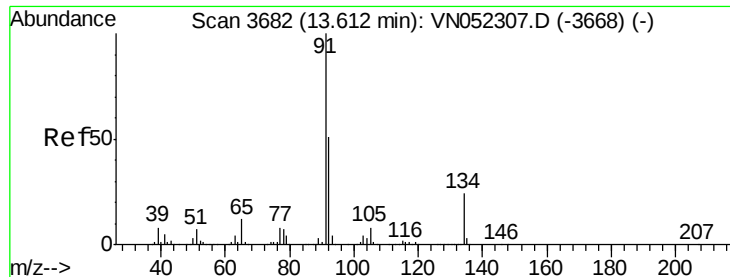
Tot Ion:146 Resp: 102941
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.3 61.0
 148 63.0 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 18.575 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN052360.D
 Acq: 16 Nov 2018 13:13

Tgt Ion:146 Resp: 100717
 Ion Ratio Lower Upper
 146 100
 111 43.8 20.6 61.8
 148 66.3 32.4 97.2





#89

n-Butylbenzene

Concen: 19.846 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS02

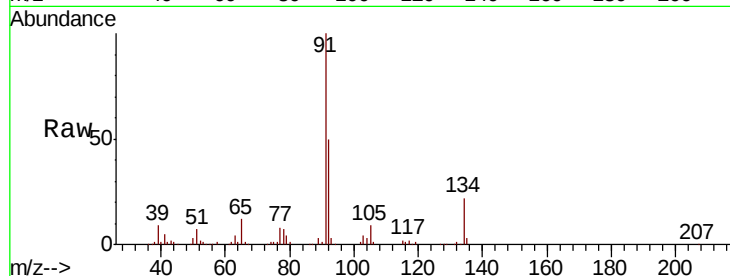
Tot Ion: 91 Resp: 182250

Ion Ratio Lower Upper

91 100

92 50.5 25.4 76.2

134 23.2 12.2 36.4

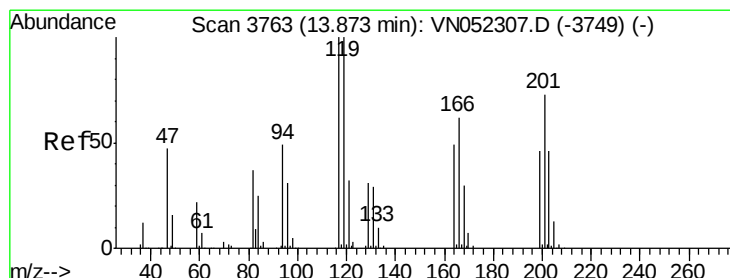
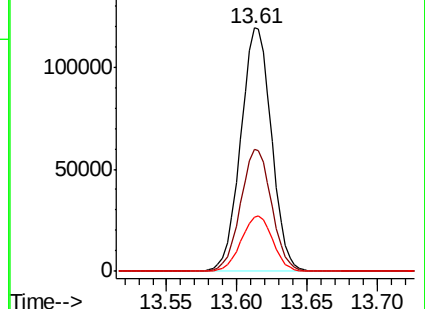
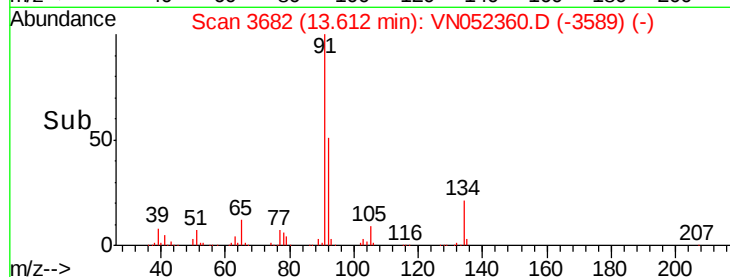


Abundance Ion 91.00 (90.70 to 91.70): VN052307.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN052307.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN052307.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 19.121 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN052360.D

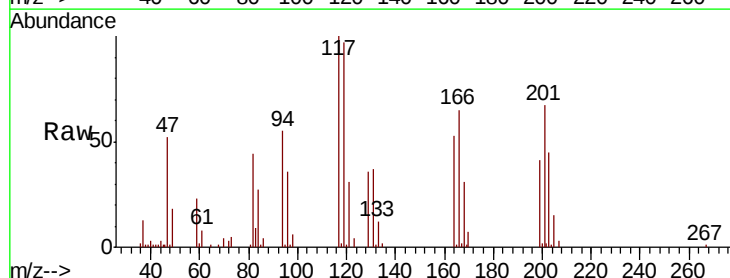
Acq: 16 Nov 2018 13:13

Tgt Ion: 117 Resp: 36211

Ion Ratio Lower Upper

117 100

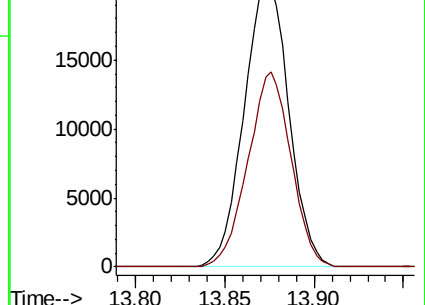
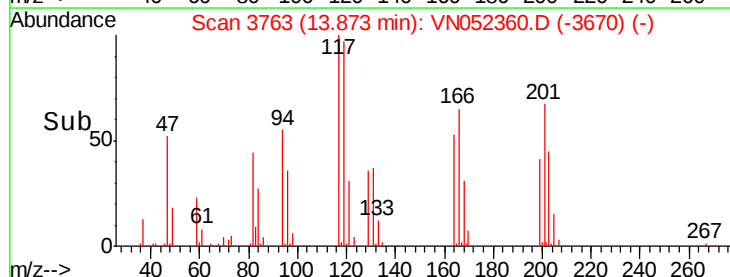
201 66.1 35.3 105.9

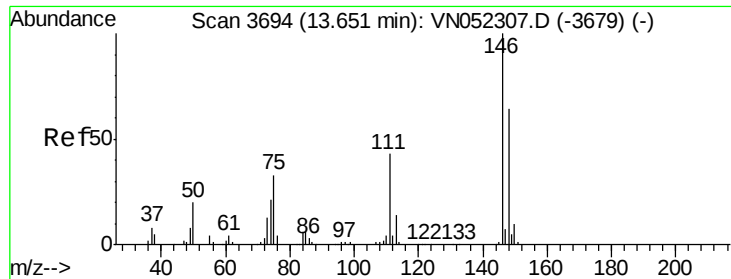


Abundance Ion 116.80 (116.50 to 117.50): VN052307.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN052307.D (-3749) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 18.999 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS02

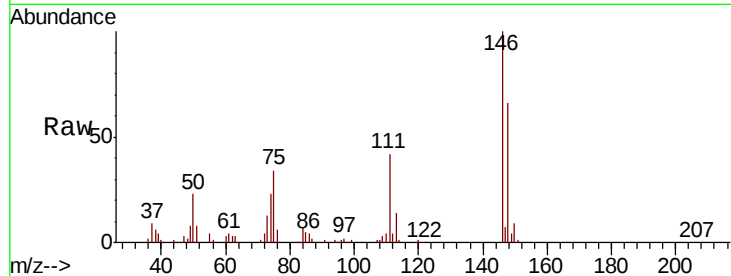
Tot Ion:146 Resp: 100386

Ion Ratio Lower Upper

146 100

111 42.2 21.3 63.9

148 63.8 31.6 94.8

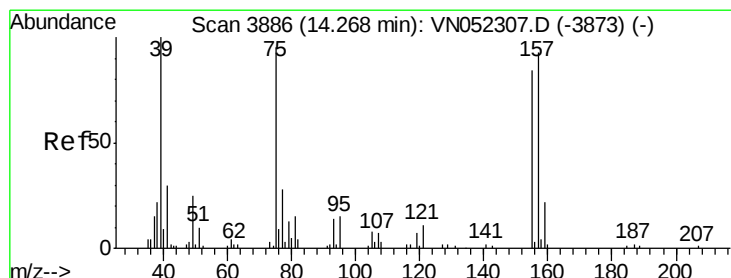
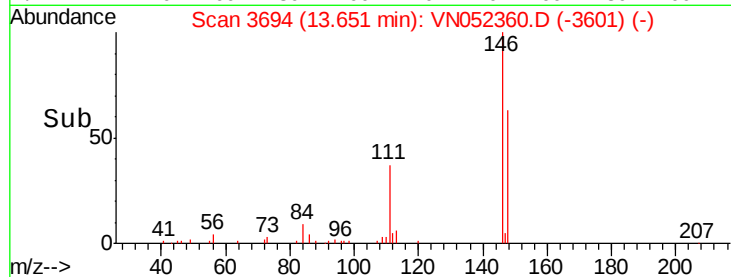
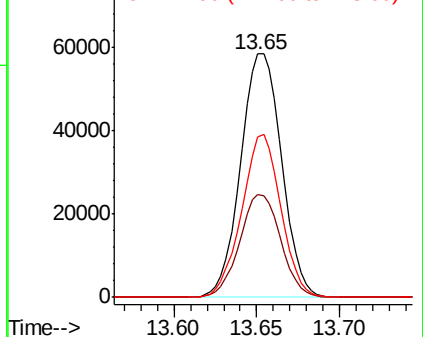


Abundance

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: 18.688 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

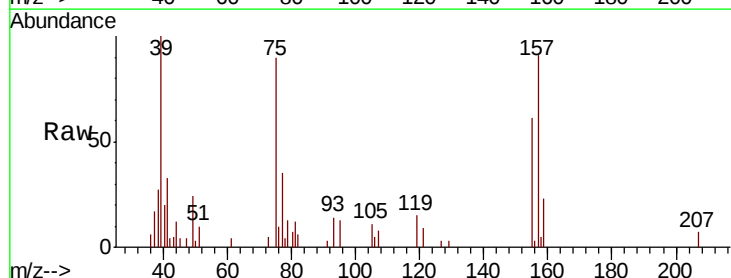
Tgt Ion: 75 Resp: 8792

Ion Ratio Lower Upper

75 100

155 71.1 42.4 127.3

157 96.5 49.6 149.0

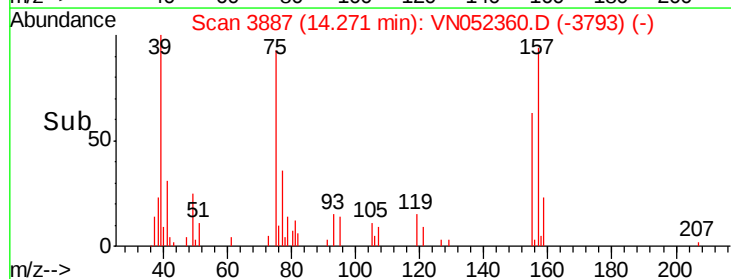
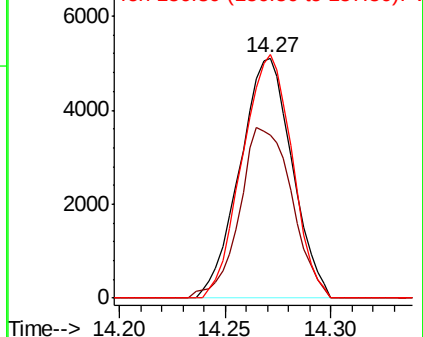


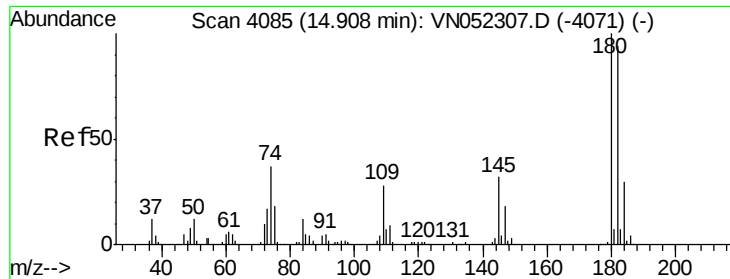
Abundance

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

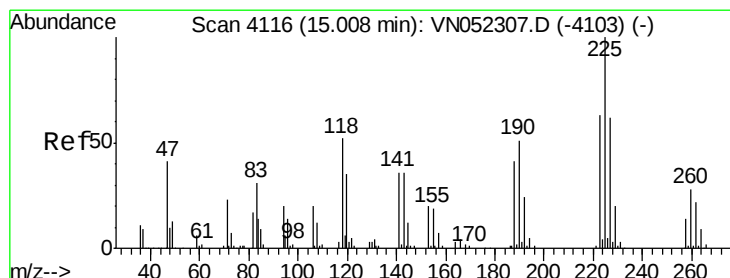
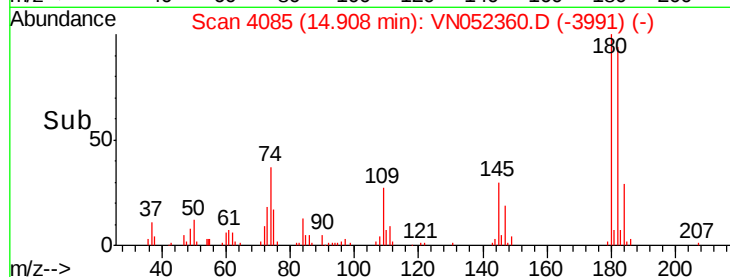
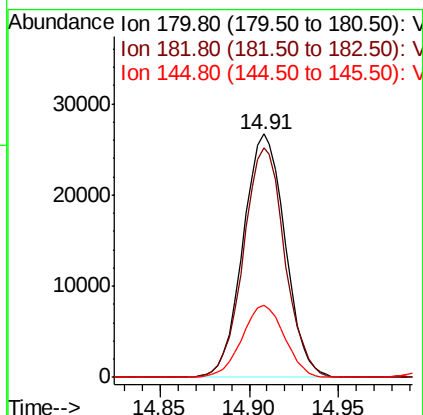
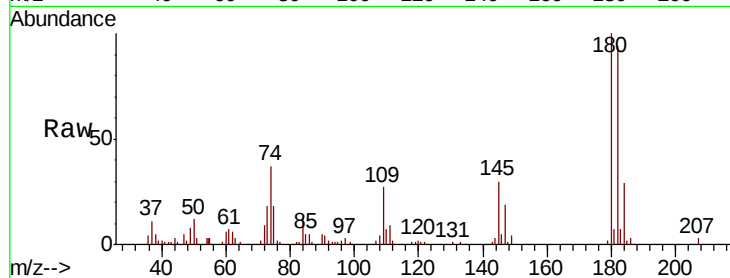




#93
 1,2,4-Trichlorobenzene
 Concen: 19.308 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052360.D
 Acq: 16 Nov 2018 13:13

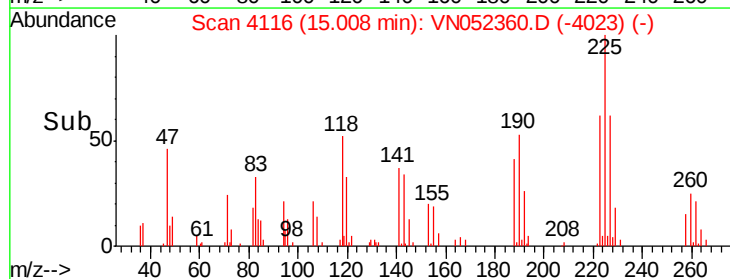
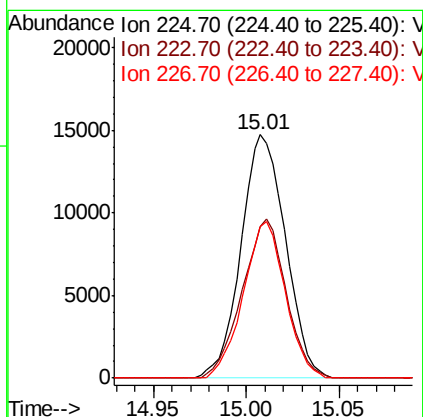
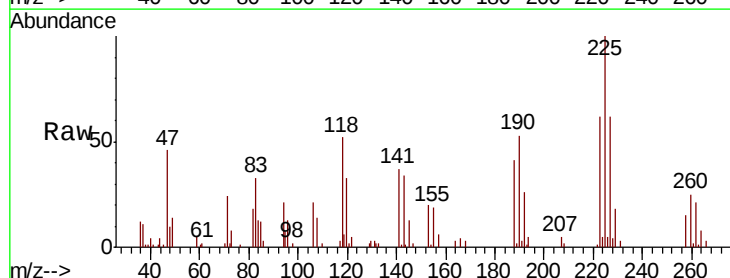
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS02

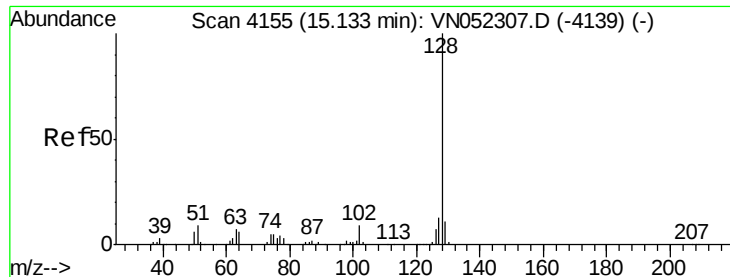
Tot Ion:180 Resp: 43903
 Ion Ratio Lower Upper
 180 100
 182 92.8 47.6 142.9
 145 29.9 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 20.361 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN052360.D
 Acq: 16 Nov 2018 13:13

Tgt Ion:225 Resp: 24624
 Ion Ratio Lower Upper
 225 100
 223 64.6 31.9 95.5
 227 60.7 31.6 95.0





#95

Naphthalene

Concen: 17.620 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS02

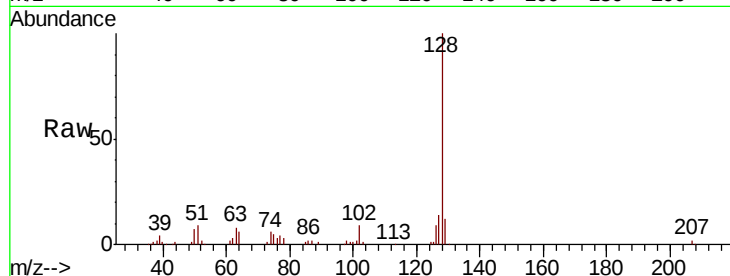
Tot Ion:128 Resp: 92048

Ion Ratio Lower Upper

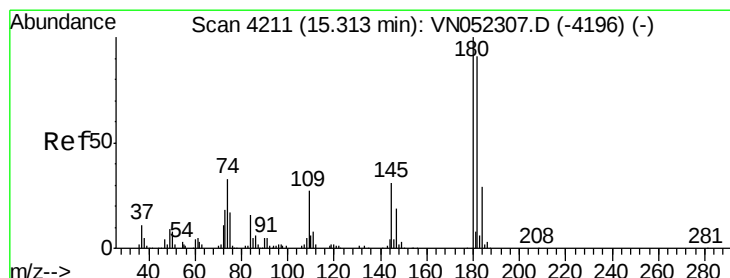
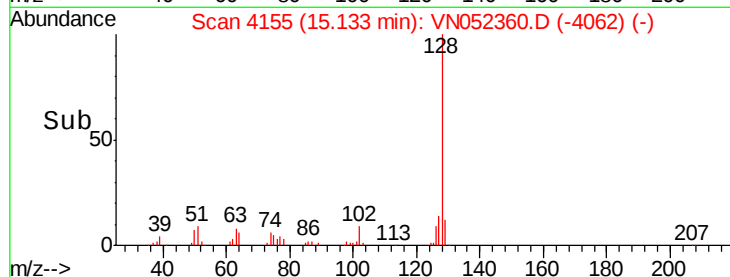
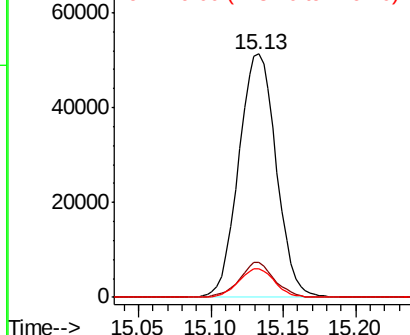
128 100

127 13.3 10.4 15.6

129 11.3 8.6 13.0



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



#96

1,2,3-Trichlorobenzene

Concen: 19.826 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052360.D

Acq: 16 Nov 2018 13:13

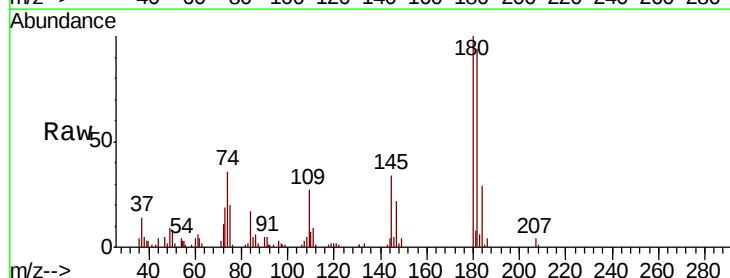
Tgt Ion:180 Resp: 39806

Ion Ratio Lower Upper

180 100

182 94.2 46.5 139.3

145 33.4 16.4 49.2



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

