

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051543.D
 Acq On : 26 Sep 2018 18:43
 Operator : MD\SY
 Sample : VN0927WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

Quant Time: Sep 27 07:58:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	493096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	742464	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	659597	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	326552	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	347203	56.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.42%	
35) Dibromofluoromethane	7.59	113	309620	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
50) Toluene-d8	10.09	98	1109154	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
62) 4-Bromofluorobenzene	12.40	95	361501	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	74734	16.245	ug/l	98
3) Chloromethane	2.06	50	129255	17.650	ug/l	98
4) Vinyl Chloride	2.18	62	135393	16.751	ug/l	99
5) Bromomethane	2.56	94	76712	15.878	ug/l	98
6) Chloroethane	2.70	64	90208	17.911	ug/l	98
7) Trichlorofluoromethane	3.01	101	181402	17.134	ug/l	98
8) Diethyl Ether	3.41	74	64063	17.498	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	105626	17.678	ug/l	99
10) Methyl Iodide	3.95	142	101110	12.945	ug/l	99
11) Tert butyl alcohol	4.80	59	46218	132.578	ug/l	97
12) 1,1-Dichloroethene	3.74	96	92045	16.777	ug/l	97
13) Acrolein	3.61	56	29640	85.623	ug/l	96
14) Allyl chloride	4.33	41	172829	18.776	ug/l	96
15) Acrylonitrile	4.99	53	220817	116.441	ug/l	100
16) Acetone	3.82	43	158855	101.430	ug/l	96
17) Carbon Disulfide	4.05	76	242458	15.042	ug/l	100
18) Methyl Acetate	4.33	43	121371	25.800	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	297789	21.049	ug/l	100
20) Methylene Chloride	4.55	84	119263	19.512	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	100904	17.979	ug/l	97
22) Diisopropyl ether	5.96	45	391056	21.979	ug/l	99
23) Vinyl Acetate	5.90	43	1257649	107.664	ug/l	99
24) 1,1-Dichloroethane	5.85	63	218896	20.619	ug/l	98
25) 2-Butanone	6.84	43	249692	118.102	ug/l	96
26) 2,2-Dichloropropane	6.83	77	162915	19.659	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	120789	19.615	ug/l	97
28) Bromochloromethane	7.20	49	107799	21.989	ug/l	98
29) Tetrahydrofuran	7.22	42	166779	124.481	ug/l	97
30) Chloroform	7.37	83	215983	20.532	ug/l	97
31) Cyclohexane	7.66	56	170979	17.579	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	180220	20.040	ug/l	100
36) 1,1-Dichloropropene	7.80	75	149333	17.369	ug/l	99
37) Ethyl Acetate	6.94	43	116571	23.581	ug/l	99
38) Carbon Tetrachloride	7.78	117	155597	17.302	ug/l	99

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 Misc : 5.00mL/MSVOA N/WATER
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Instrument :
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Quant Time: Sep 27 07:58:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	157405	15.661	ug/l	96
40) Benzene	8.04	78	475983	18.854	ug/l	99
41) Methacrylonitrile	7.18	41	62790	22.959	ug/l	90
42) 1,2-Dichloroethane	8.13	62	159102	19.682	ug/l	99
43) Isopropyl Acetate	8.17	43	207816	23.248	ug/l	98
44) Trichloroethene	8.84	130	120140	17.917	ug/l	98
45) 1,2-Dichloropropane	9.12	63	135905	19.804	ug/l	96
46) Dibromomethane	9.21	93	76003	19.601	ug/l	99
47) Bromodichloromethane	9.40	83	165688	19.309	ug/l	99
48) Methyl methacrylate	9.20	41	97621	21.904	ug/l	95
49) 1,4-Dioxane	9.20	88	25172	460.859	ug/l #	91
51) 4-Methyl-2-Pentanone	9.99	43	579564	117.889	ug/l	98
52) Toluene	10.16	92	287965	18.355	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	160890	18.572	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	185379	18.453	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	113901	20.542	ug/l	99
56) Ethyl methacrylate	10.43	69	139221	20.537	ug/l	100
57) 1,3-Dichloropropane	10.71	76	191573	20.158	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	361406	110.853	ug/l	98
59) 2-Hexanone	10.75	43	370183	116.155	ug/l	95
60) Dibromochloromethane	10.90	129	126131	19.280	ug/l	99
61) 1,2-Dibromoethane	11.01	107	106321	19.753	ug/l	100
64) Tetrachloroethene	10.63	164	109498	18.292	ug/l	99
65) Chlorobenzene	11.44	112	309405	18.283	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	119758	18.574	ug/l	99
67) Ethyl Benzene	11.51	91	503780	17.664	ug/l	98
68) m/p-Xylenes	11.62	106	394590	35.769	ug/l	99
69) o-Xylene	11.95	106	190610	17.973	ug/l	97
70) Styrene	11.97	104	302013	17.972	ug/l	99
71) Bromoform	12.13	173	86091	19.678	ug/l #	99
73) Isopropylbenzene	12.25	105	507092	18.405	ug/l	100
74) N-amyl acetate	12.07	43	153862	22.257	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	147420	22.945	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	174817	32.248	ug/l #	100
77) Bromobenzene	12.53	156	129442	18.558	ug/l	92
78) n-propylbenzene	12.59	91	575303	18.527	ug/l	99
79) 2-Chlorotoluene	12.68	91	353986	19.044	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	421339	18.754	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	35980	20.409	ug/l	100
82) 4-Chlorotoluene	12.77	91	352820	19.018	ug/l	98
83) tert-Butylbenzene	12.99	119	371546	18.580	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	431148	19.045	ug/l	99
85) sec-Butylbenzene	13.17	105	504524	18.650	ug/l	99
86) p-Isopropyltoluene	13.29	119	421530	18.008	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	222961	18.472	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	217605	18.737	ug/l	99
89) n-Butylbenzene	13.62	91	330812	17.186	ug/l	98
90) Hexachloroethane	13.87	117	86492	18.544	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	226392	19.331	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22111	24.115	ug/l	94

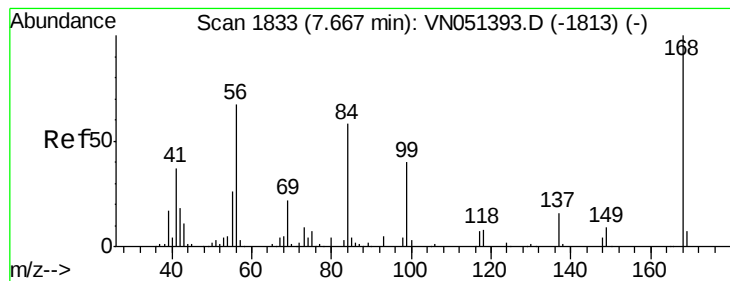
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
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Sample : VN0927WBSD01
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Instrument :
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VN0927WBSD01

Quant Time: Sep 27 07:58:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	91881	18.793	ug/l	100
94) Hexachlorobutadiene	15.01	225	80040	18.064	ug/l	99
95) Naphthalene	15.14	128	177033	20.279	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	99595	17.721	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

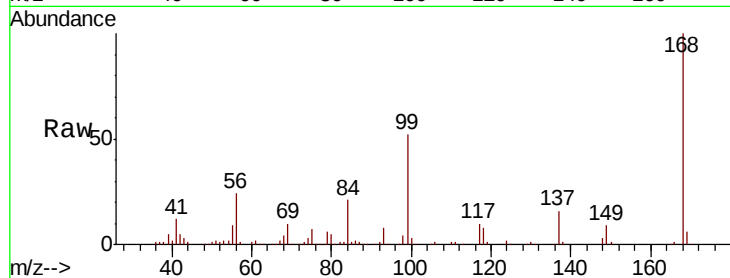
VN0927WBSD01

Tot Ion:168 Resp: 493096

Ion Ratio Lower Upper

168 100

99 51.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

200000

150000

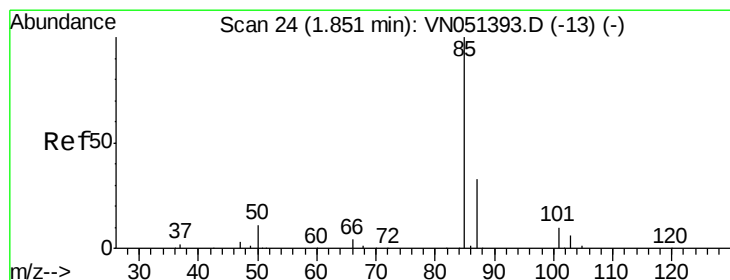
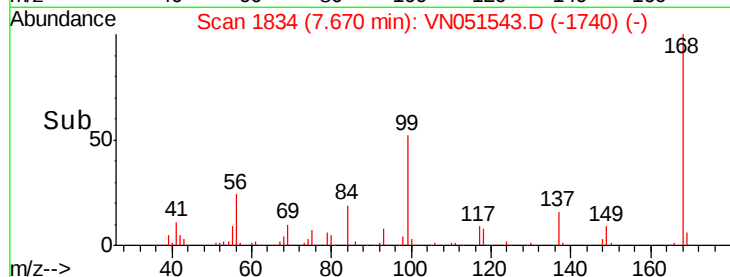
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.245 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN051543.D

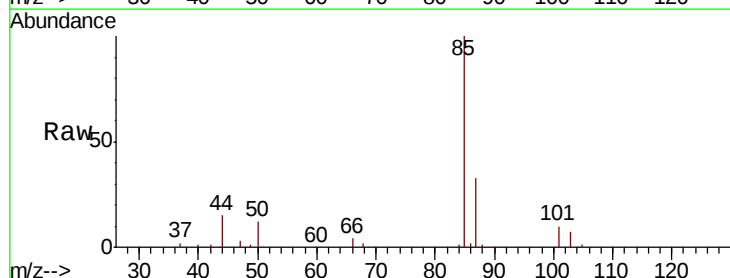
Acq: 26 Sep 2018 18:43

Tgt Ion: 85 Resp: 74734

Ion Ratio Lower Upper

85 100

87 33.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

60000

50000

40000

30000

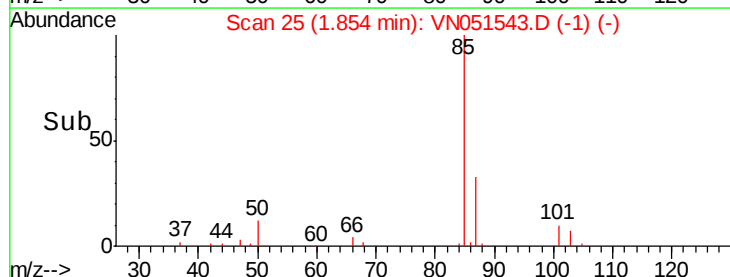
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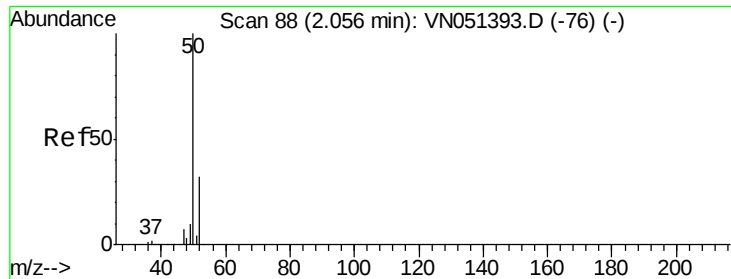
10000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.650 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

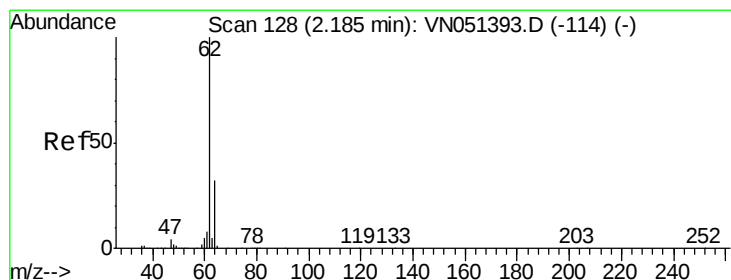
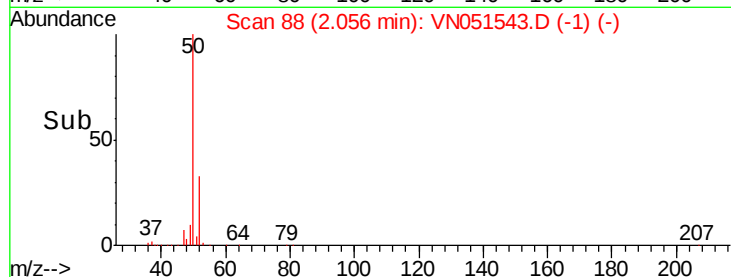
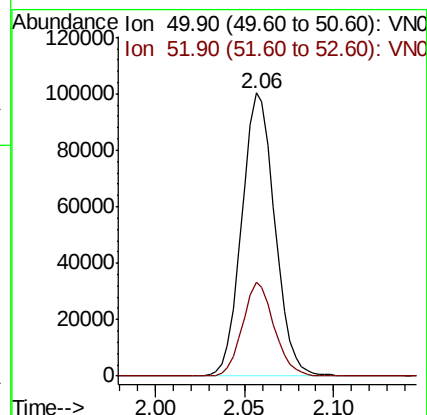
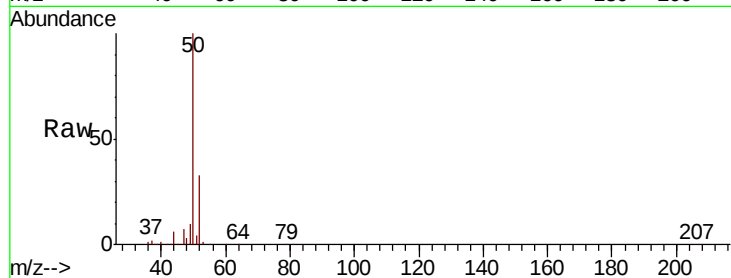
VN0927WBSD01

Tot Ion: 50 Resp: 129255

Ion Ratio Lower Upper

50 100

52 33.1 25.7 38.5



#4

Vinyl Chloride

Concen: 16.751 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051543.D

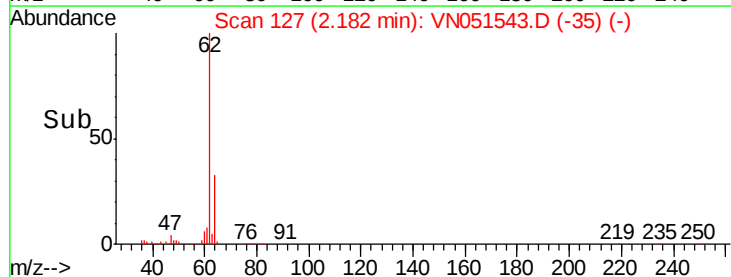
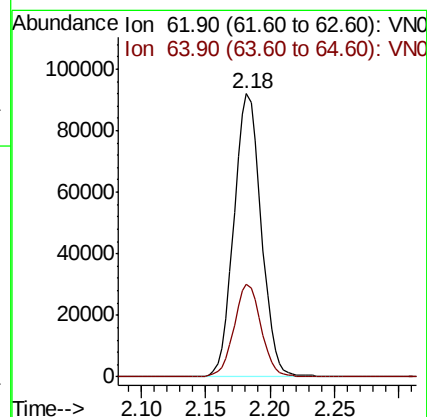
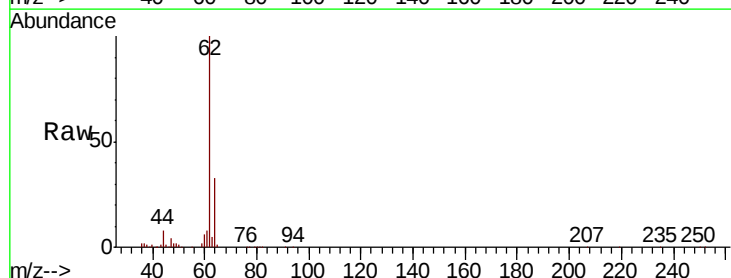
Acq: 26 Sep 2018 18:43

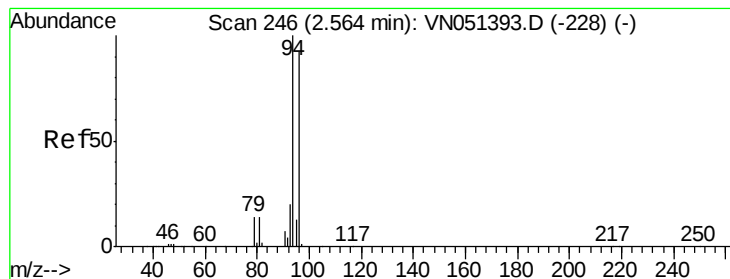
Tgt Ion: 62 Resp: 135393

Ion Ratio Lower Upper

62 100

64 32.9 25.8 38.8





#5

Bromomethane

Concen: 15.878 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

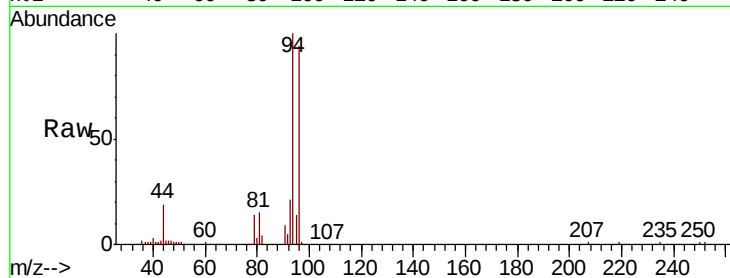
VN0927WBSD01

Tot Ion: 94 Resp: 76712

Ion Ratio Lower Upper

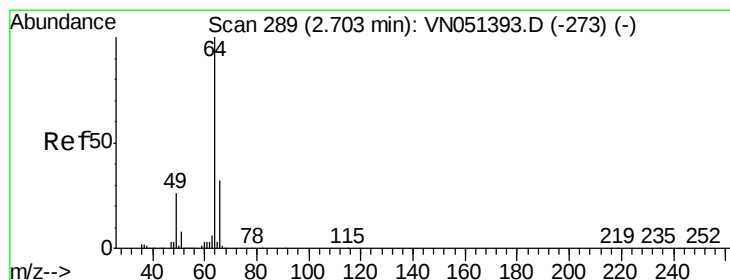
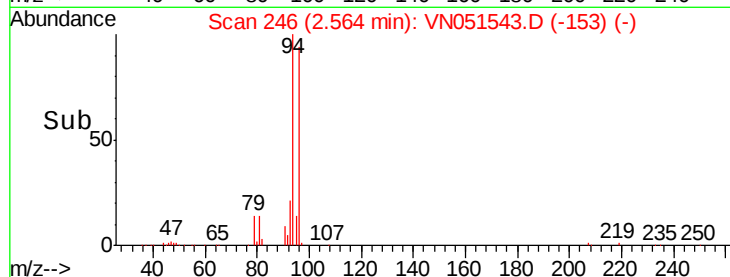
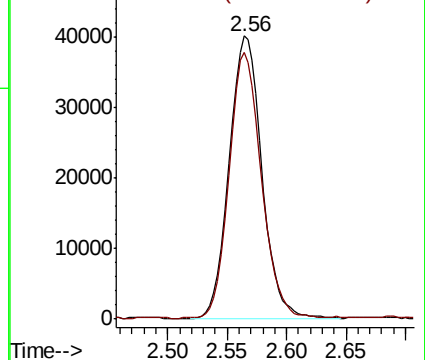
94 100

96 93.8 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: 17.911 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051543.D

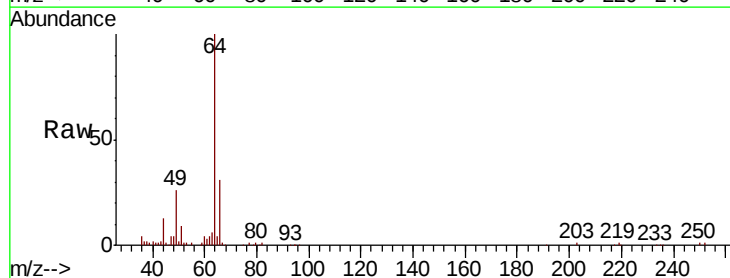
Acq: 26 Sep 2018 18:43

Tgt Ion: 64 Resp: 90208

Ion Ratio Lower Upper

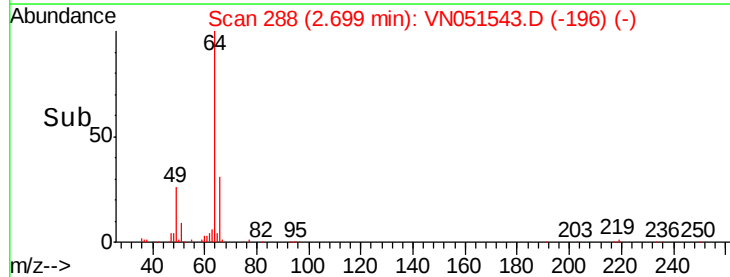
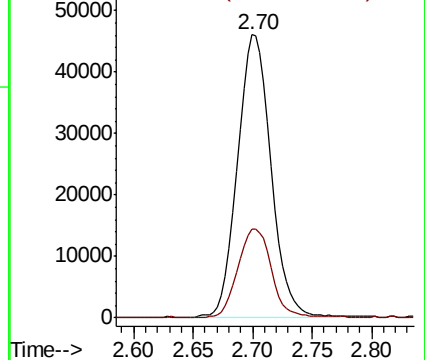
64 100

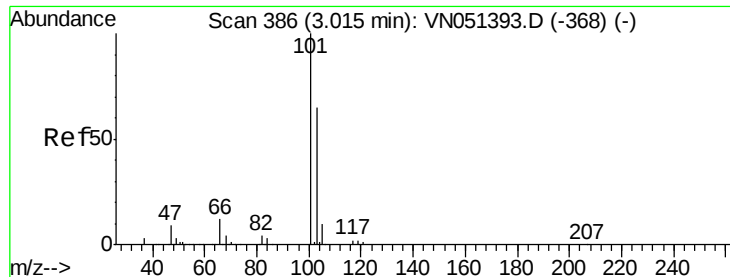
66 31.2 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



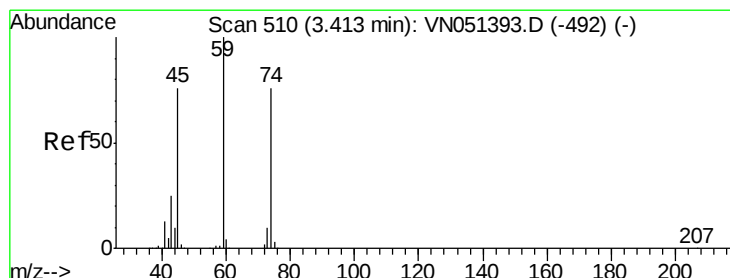
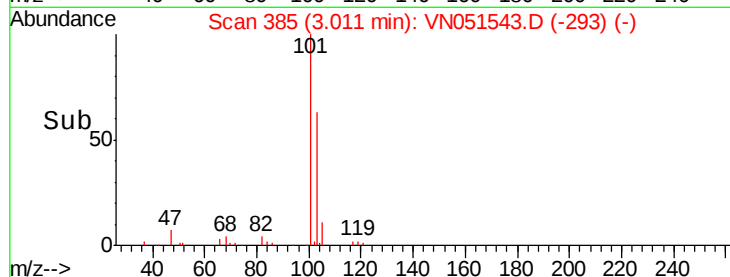
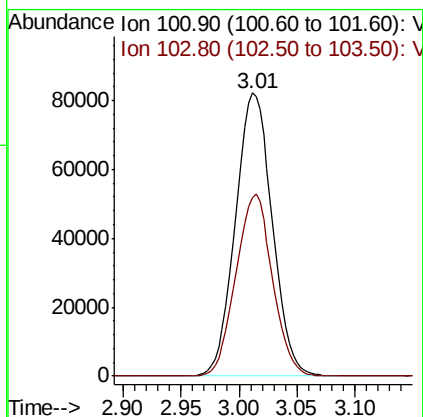
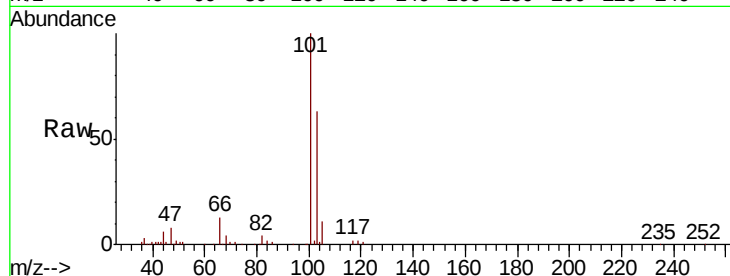


#7

Trichlorofluoromethane
 Concen: 17.134 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN051543.D
 Acq: 26 Sep 2018 18:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

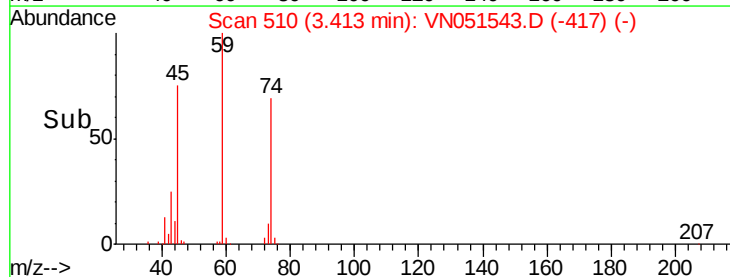
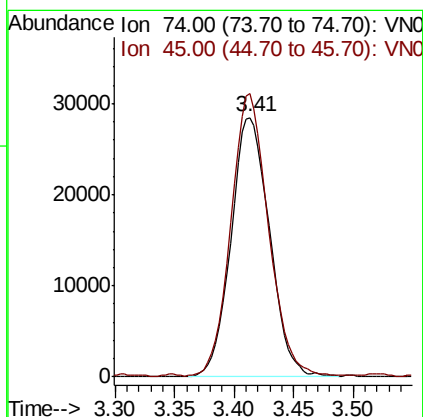
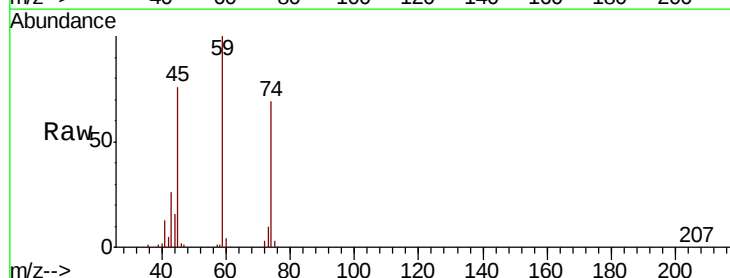
Tot Ion:101 Resp: 181402
 Ion Ratio Lower Upper
 101 100
 103 63.1 51.8 77.8

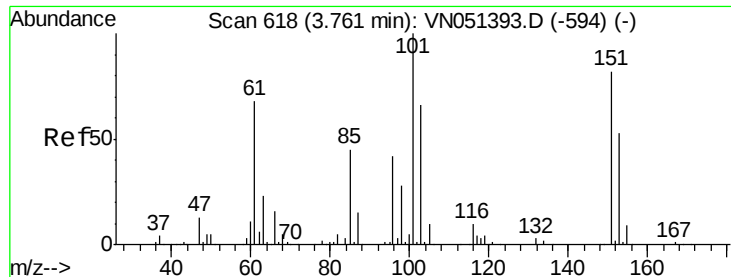


#8

Diethyl Ether
 Concen: 17.498 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051543.D
 Acq: 26 Sep 2018 18:43

Tgt Ion: 74 Resp: 64063
 Ion Ratio Lower Upper
 74 100
 45 106.6 50.2 150.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.678 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

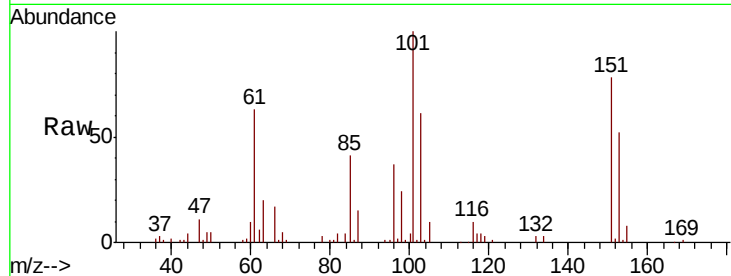
Tot Ion:101 Resp: 105626

Ion Ratio Lower Upper

101 100

85 41.9 33.9 50.9

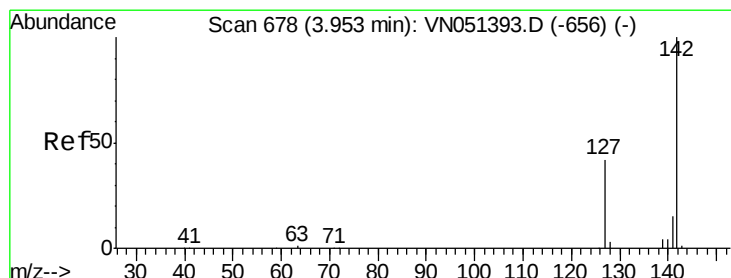
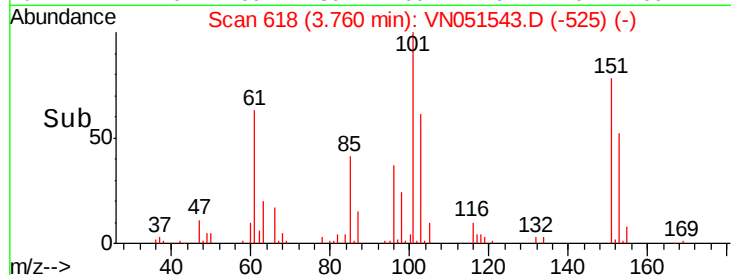
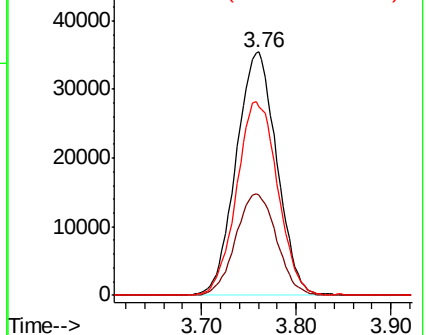
151 80.5 65.2 97.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 12.945 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

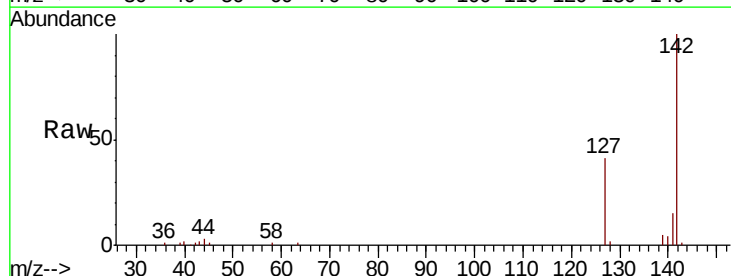
Tgt Ion:142 Resp: 101110

Ion Ratio Lower Upper

142 100

127 40.9 33.2 49.8

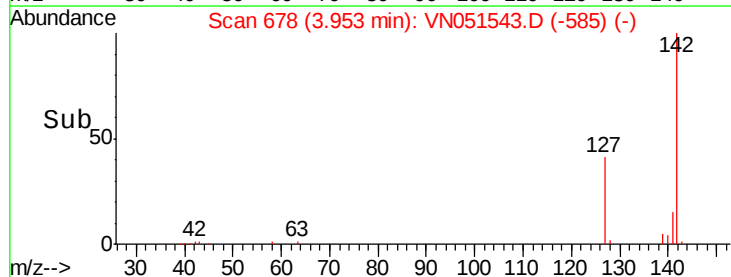
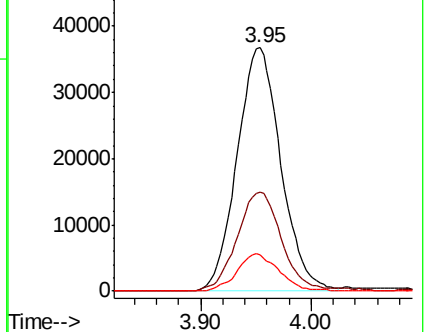
141 14.6 11.5 17.3

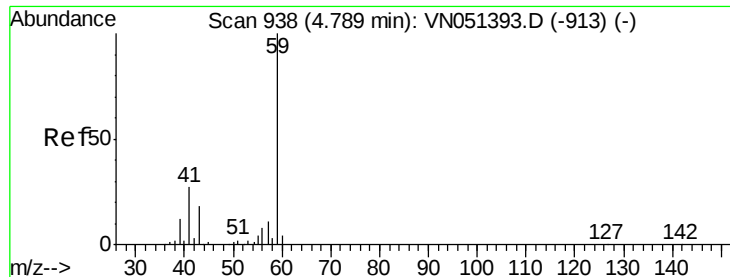


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

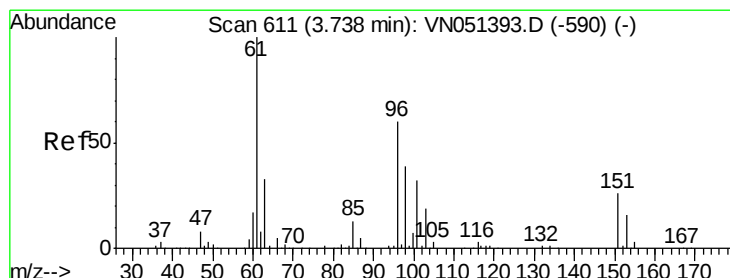
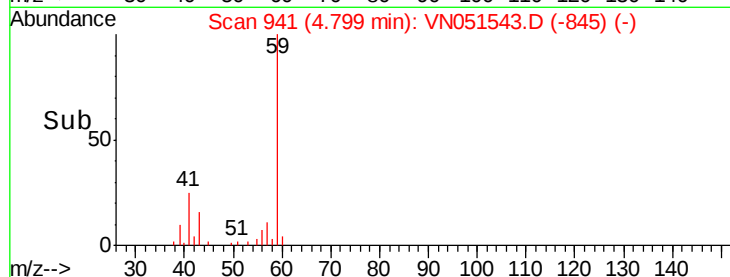
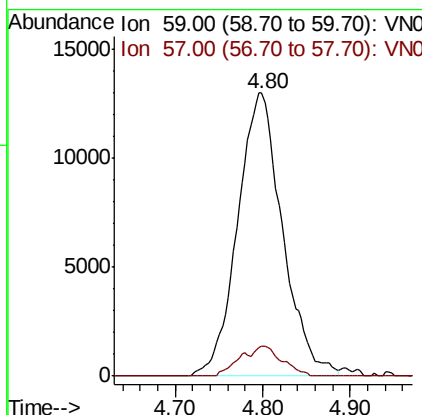
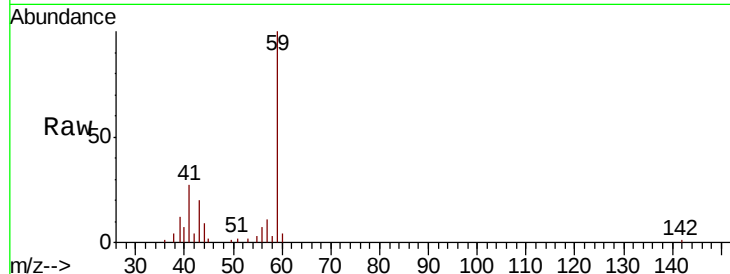




#11
Tert butyl alcohol
Concen: 132.578 ug/l
RT: 4.80 min Scan# 941
Delta R.T. 0.01 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

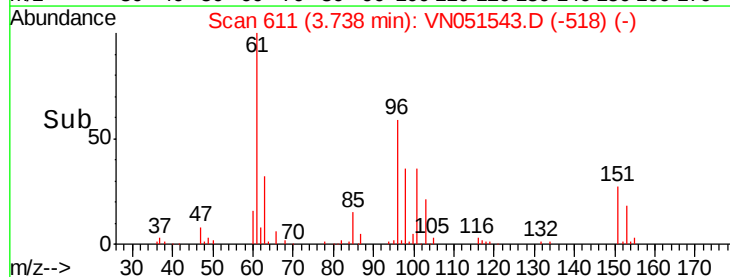
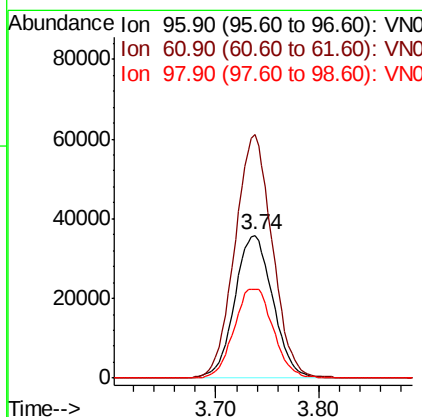
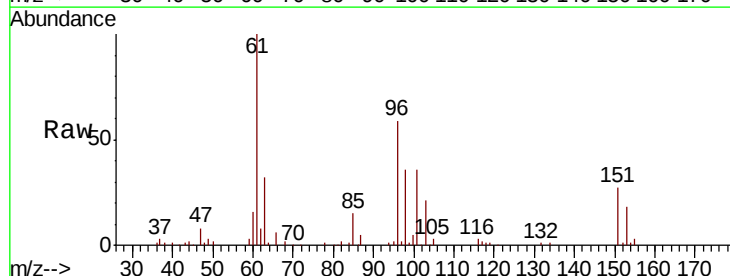
Instrument :
MSVOA_N
ClientSampled :
VN0927WBSD01

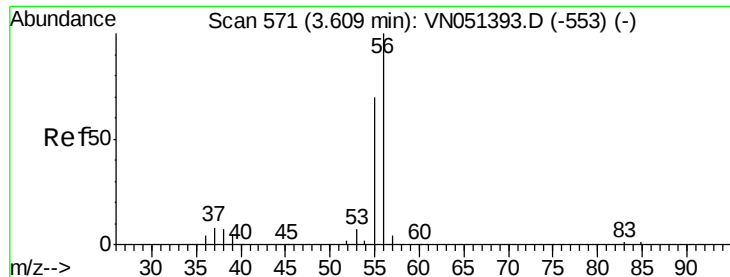
Tot Ion: 59 Resp: 46218
Ion Ratio Lower Upper
59 100
57 6.6 6.2 9.2



#12
1,1-Dichloroethene
Concen: 16.777 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Tgt Ion: 96 Resp: 92045
Ion Ratio Lower Upper
96 100
61 170.8 133.6 200.4
98 61.9 52.2 78.2





#13

Acrolein

Concen: 85.623 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampled :

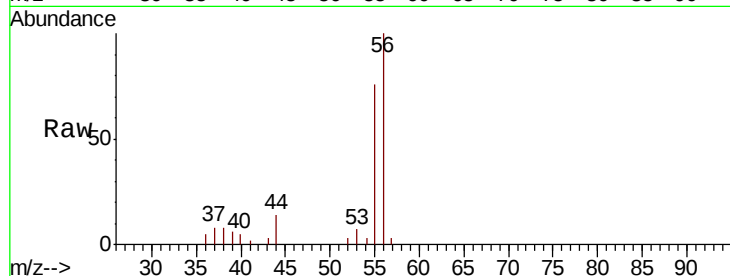
VN0927WBSD01

Tot Ion: 56 Resp: 29640

Ion Ratio Lower Upper

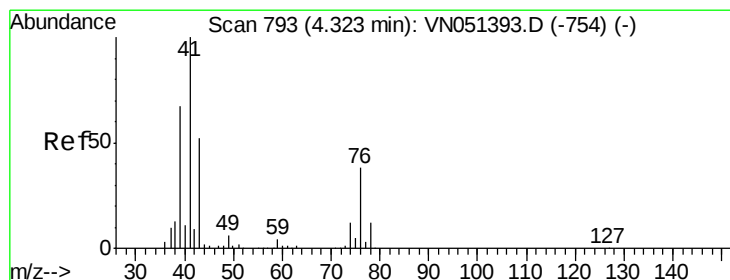
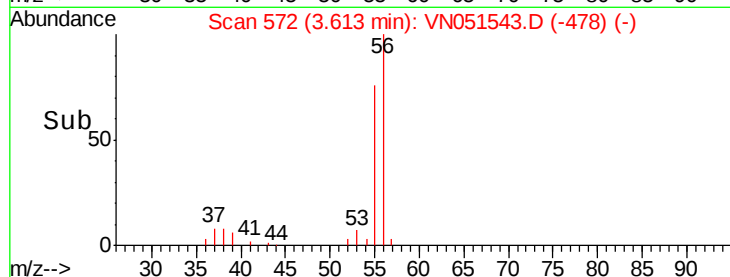
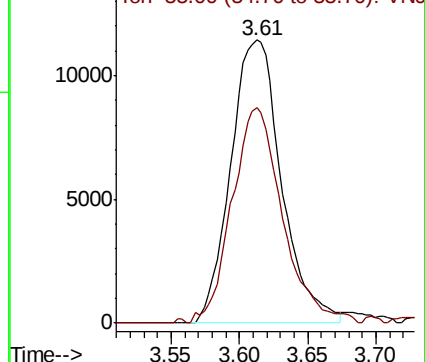
56 100

55 75.5 57.8 86.8



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.776 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

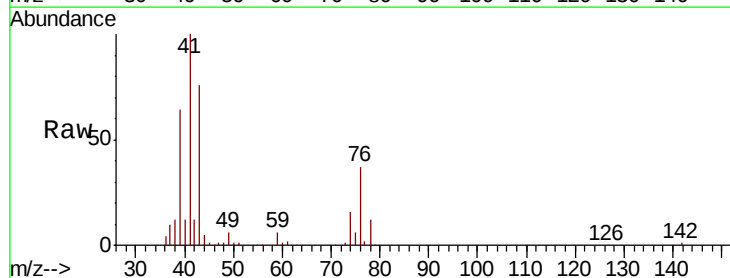
Tgt Ion: 41 Resp: 172829

Ion Ratio Lower Upper

41 100

39 61.3 51.4 77.2

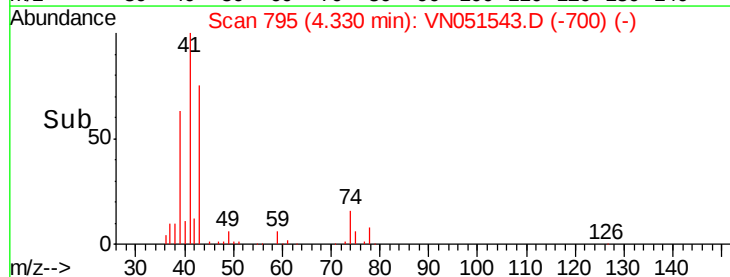
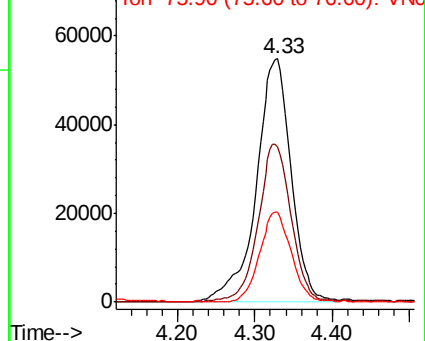
76 33.4 28.1 42.1



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 116.441 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

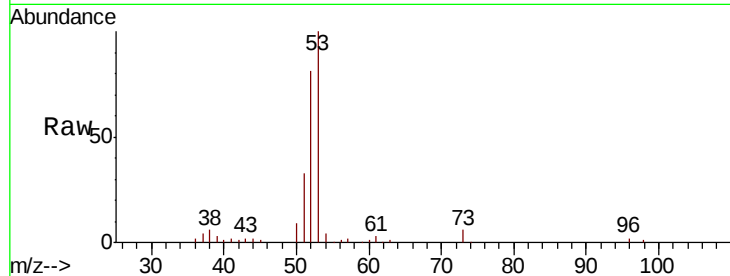
Tot Ion: 53 Resp: 220817

Ion Ratio Lower Upper

53 100

52 82.4 66.2 99.2

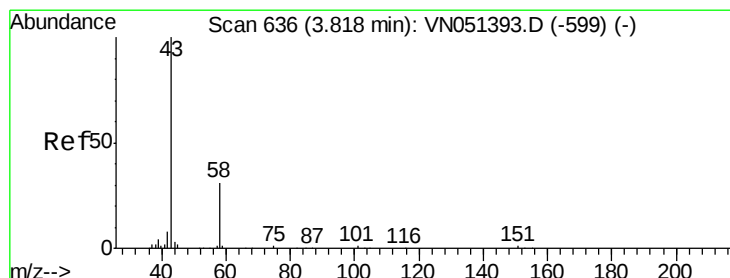
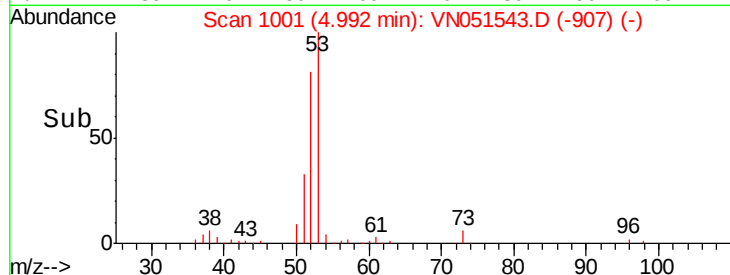
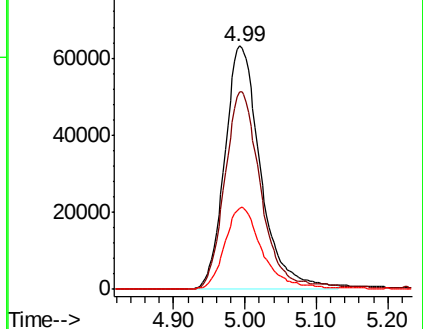
51 35.3 28.6 42.8



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: 101.430 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051543.D

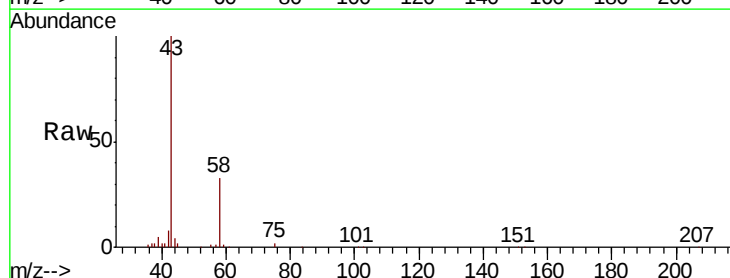
Acq: 26 Sep 2018 18:43

Tgt Ion: 43 Resp: 158855

Ion Ratio Lower Upper

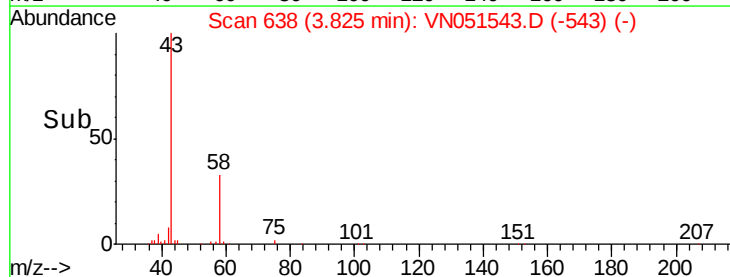
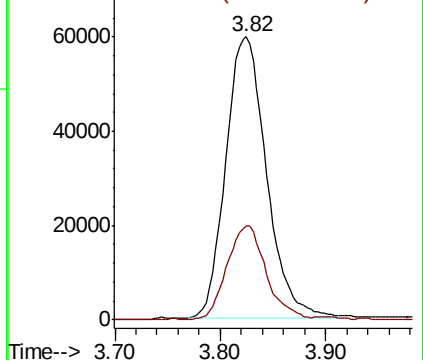
43 100

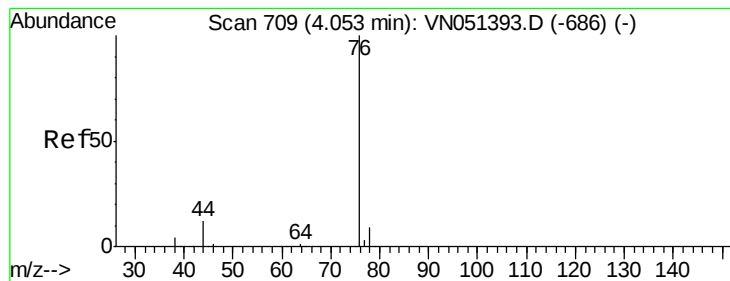
58 33.2 25.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 15.042 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

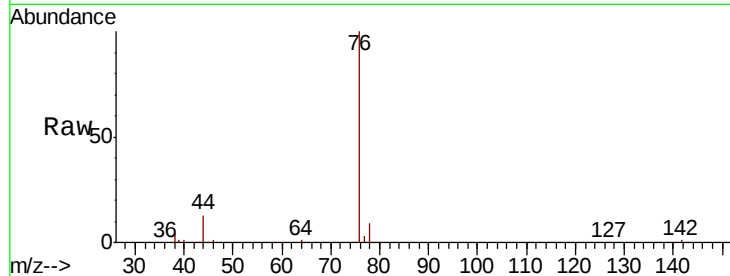
VN0927WBSD01

Tot Ion: 76 Resp: 242458

Ion Ratio Lower Upper

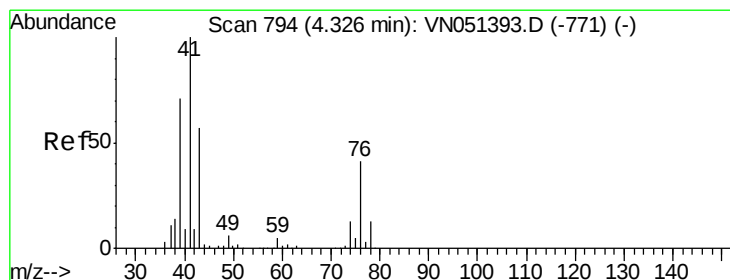
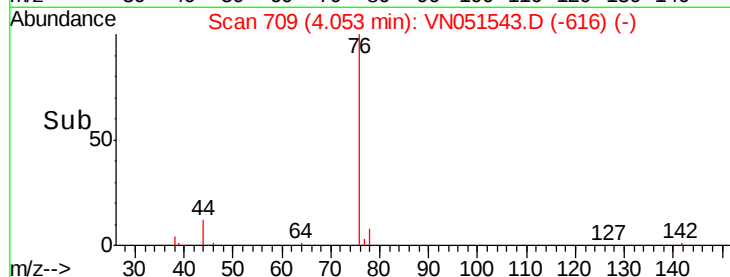
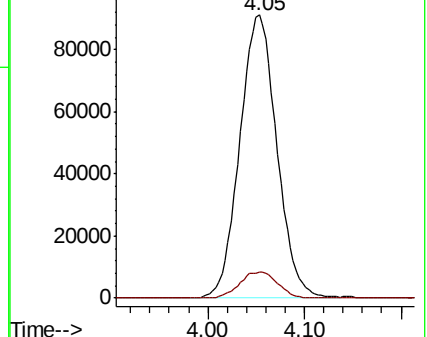
76 100

78 9.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 25.800 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN051543.D

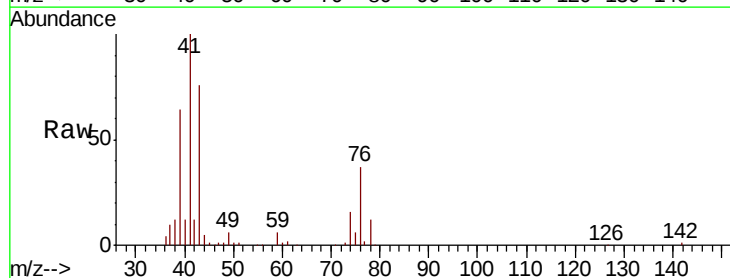
Acq: 26 Sep 2018 18:43

Tgt Ion: 43 Resp: 121371

Ion Ratio Lower Upper

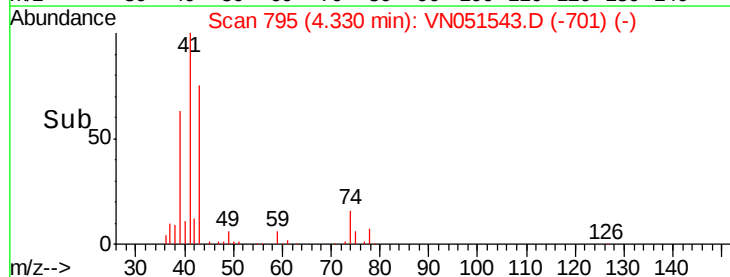
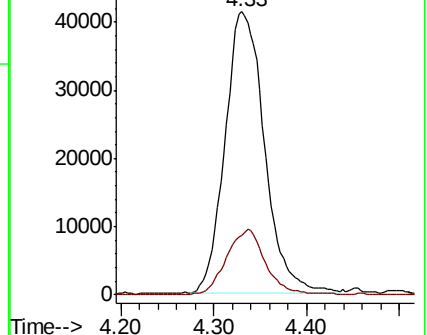
43 100

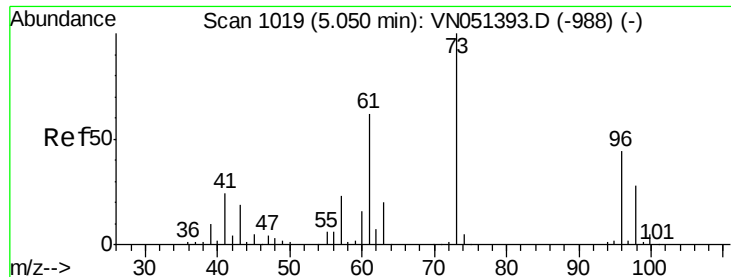
74 23.0 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

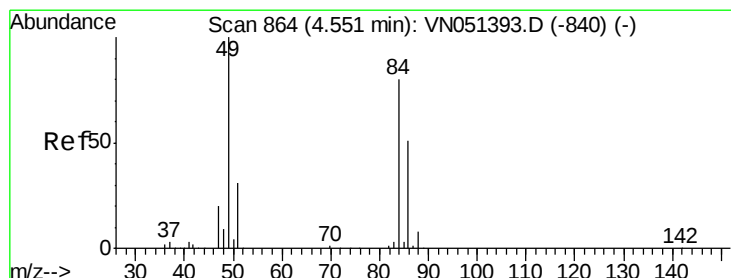
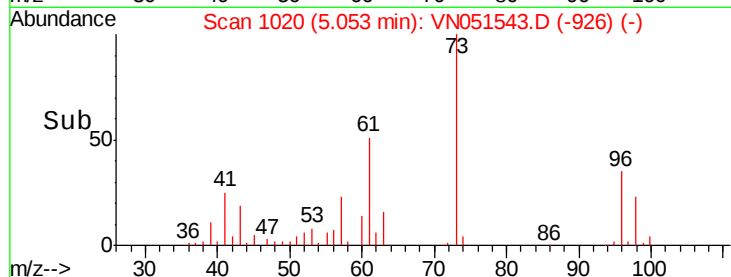
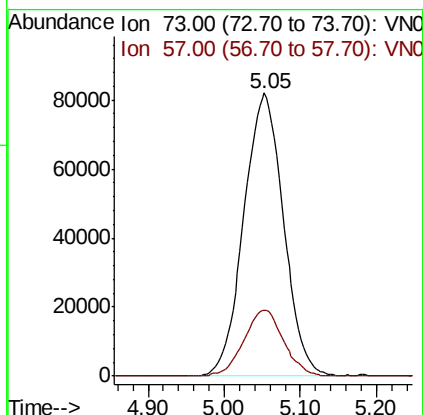
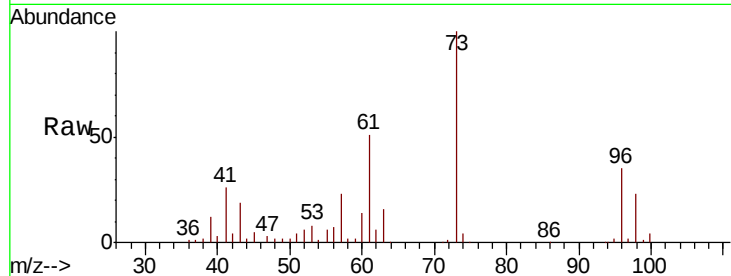




#19
Methvl tert-butvl Ether
Concen: 21.049 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

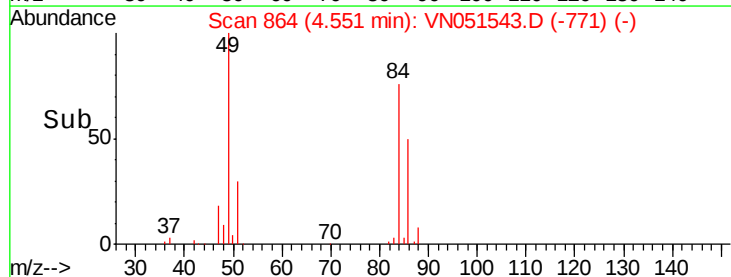
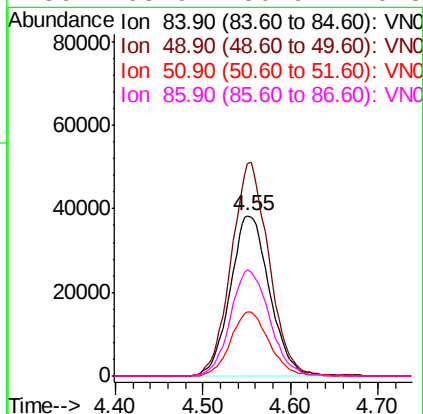
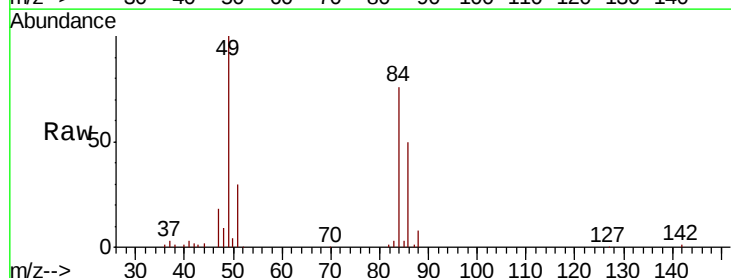
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

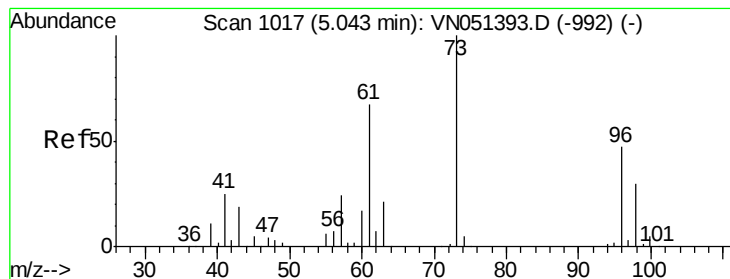
Tot Ion: 73 Resp: 297789
Ion Ratio Lower Upper
73 100
57 23.1 18.3 27.5



#20
Methylene Chloride
Concen: 19.512 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Tgt Ion: 84 Resp: 119263
Ion Ratio Lower Upper
84 100
49 132.4 99.9 149.9
51 40.3 31.4 47.2
86 65.9 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 17.979 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

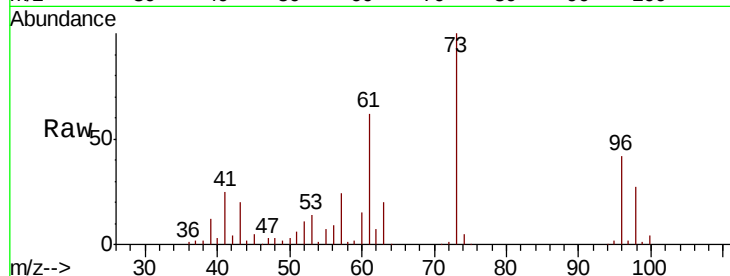
Tot Ion: 96 Resp: 100904

Ion Ratio Lower Upper

96 100

61 147.5 113.4 170.2

98 64.0 51.1 76.7

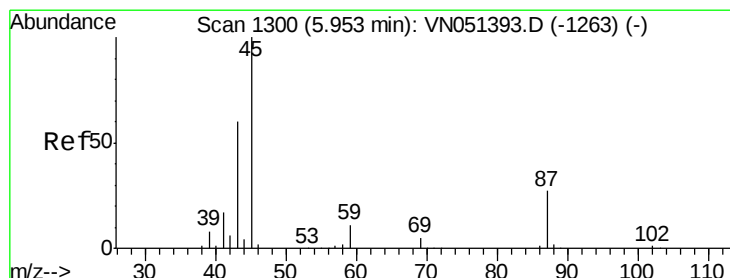
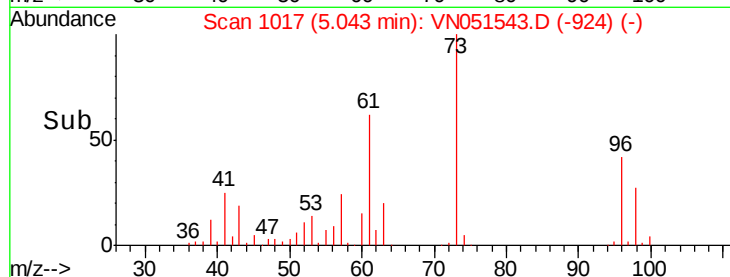
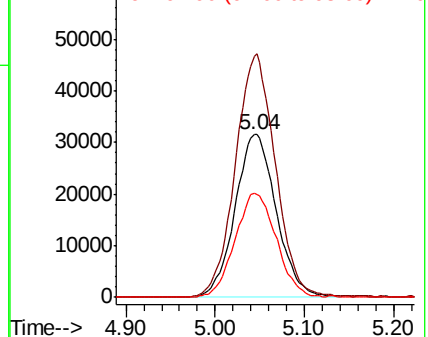


Abundance

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: 21.979 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Tgt Ion: 45 Resp: 391056

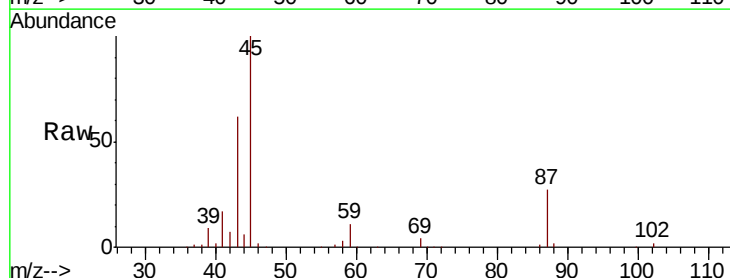
Ion Ratio Lower Upper

45 100

43 60.3 47.7 71.5

87 27.3 22.0 33.0

59 11.2 9.3 13.9



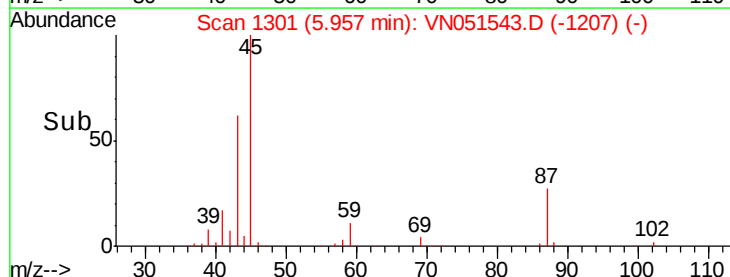
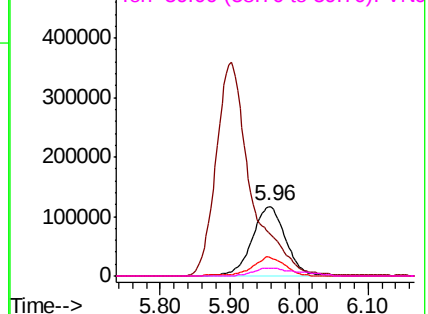
Abundance

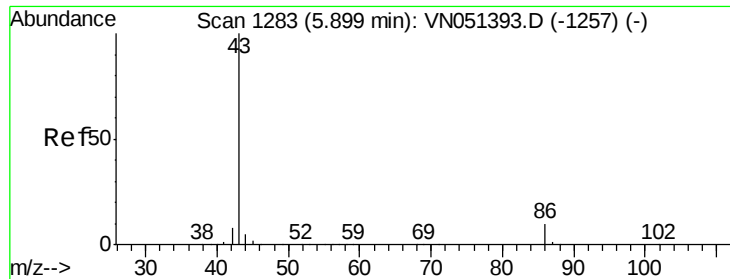
Ion 45.00 (44.70 to 45.70): VN0

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: 107.664 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

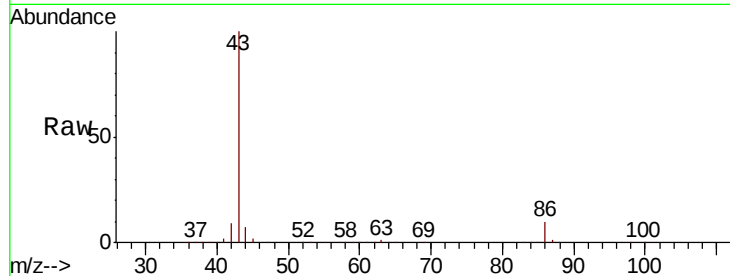
VN0927WBSD01

Tot Ion: 43 Resp: 1257649

Ion Ratio Lower Upper

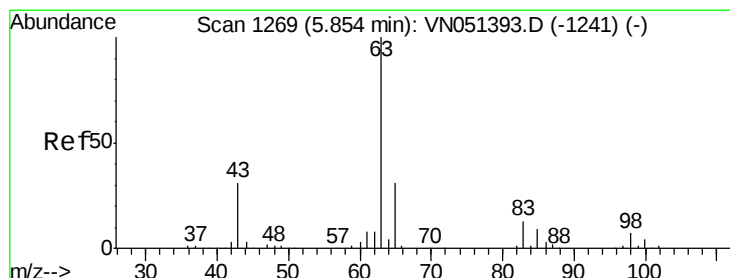
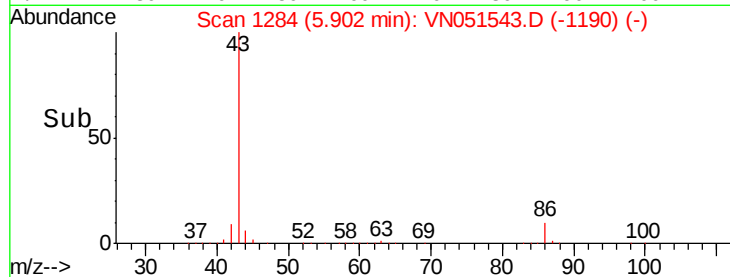
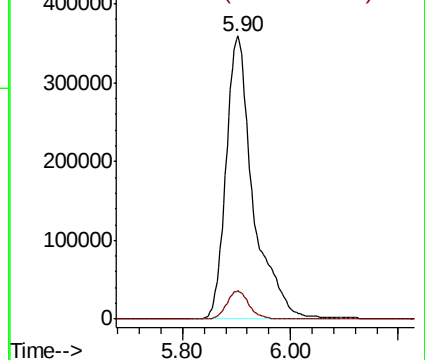
43 100

86 9.9 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.619 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

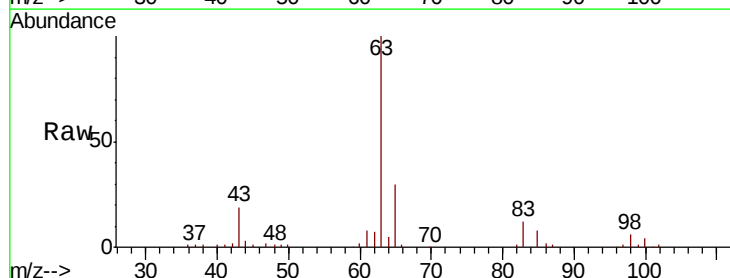
Tgt Ion: 63 Resp: 218896

Ion Ratio Lower Upper

63 100

98 5.9 3.4 10.1

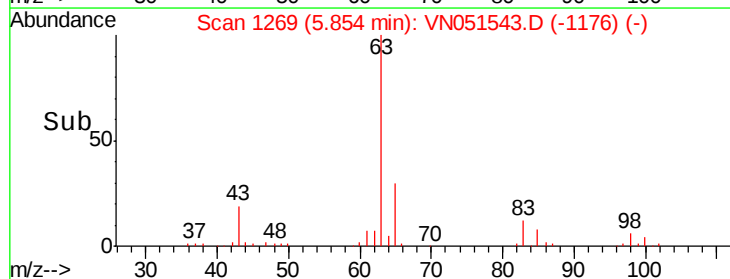
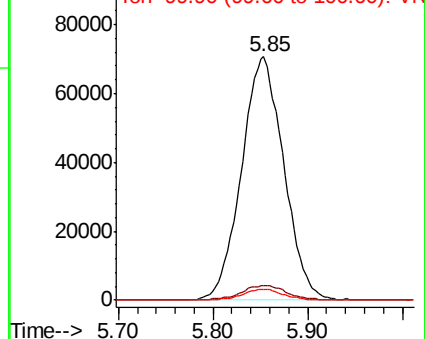
100 4.3 2.2 6.6

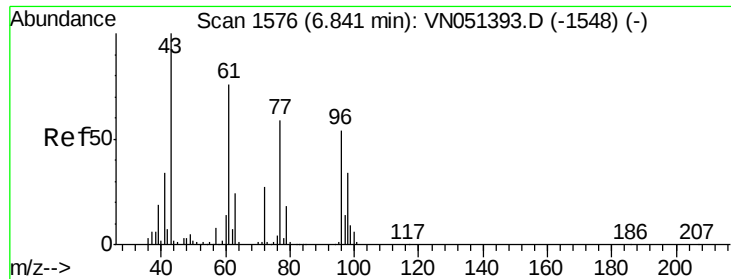


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

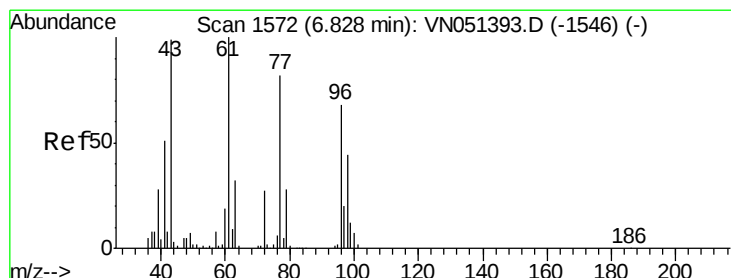
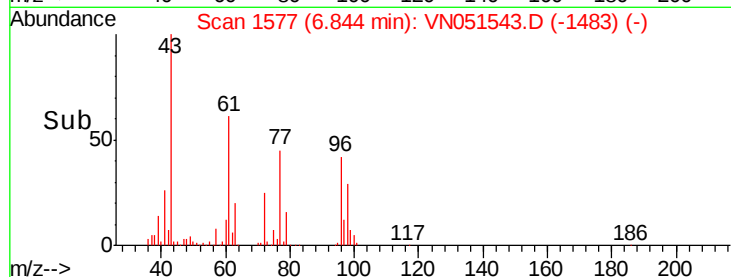
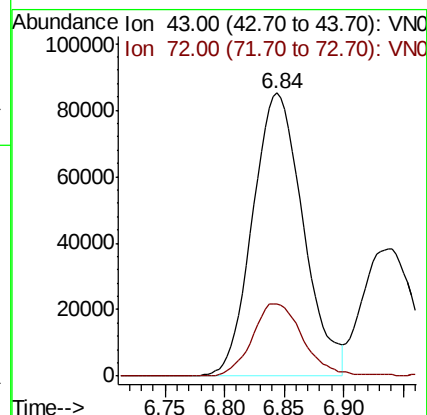
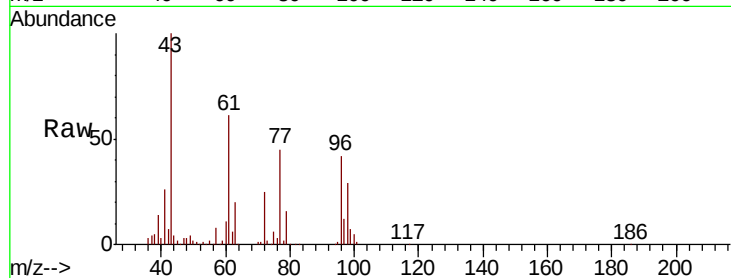




#25
2-Butanone
Concen: 118.102 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

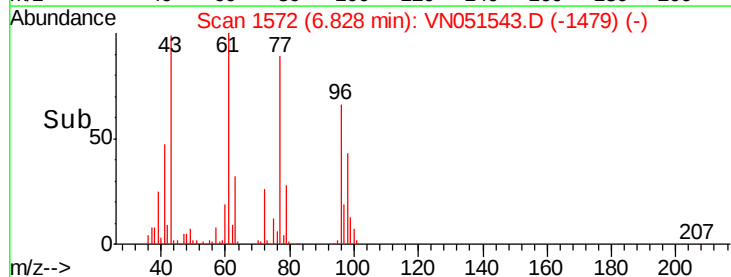
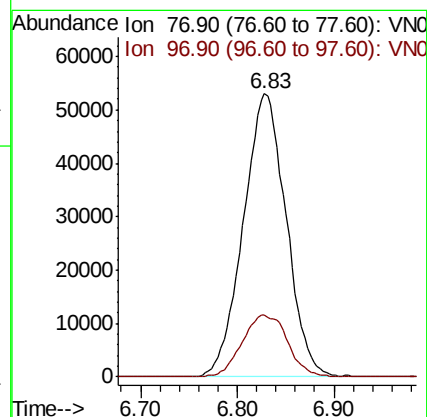
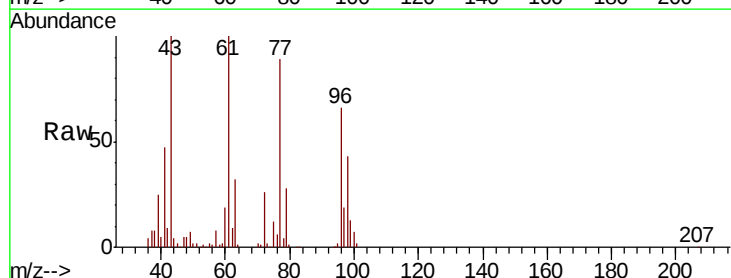
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

Tot Ion: 43 Resp: 249692
Ion Ratio Lower Upper
43 100
72 25.4 21.8 32.6



#26
2,2-Dichloropropane
Concen: 19.659 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Tgt Ion: 77 Resp: 162915
Ion Ratio Lower Upper
77 100
97 23.2 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 19.615 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

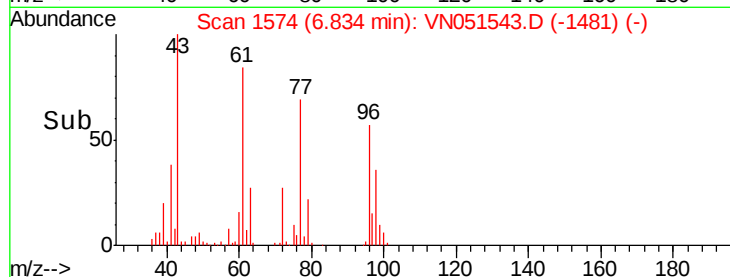
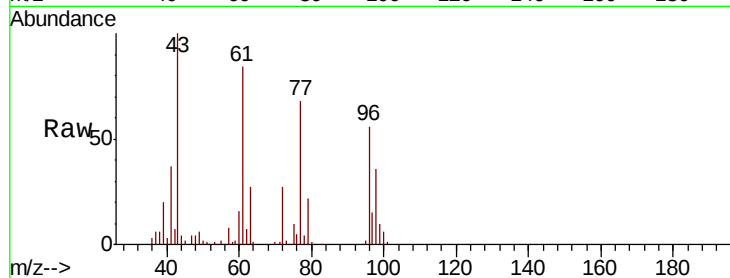
Tot Ion: 96 Resp: 120789

Ion Ratio Lower Upper

96 100

61 149.7 0.0 291.4

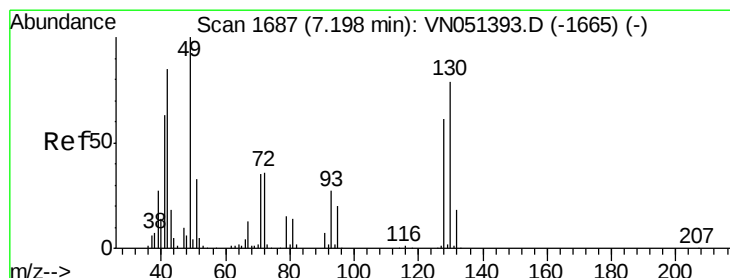
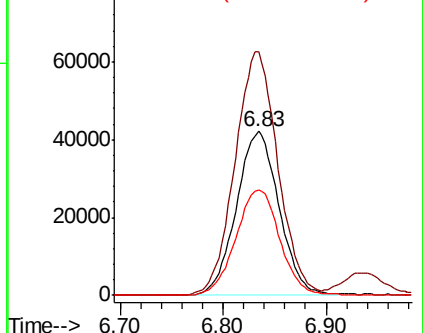
98 66.5 0.0 128.4



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: 21.989 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

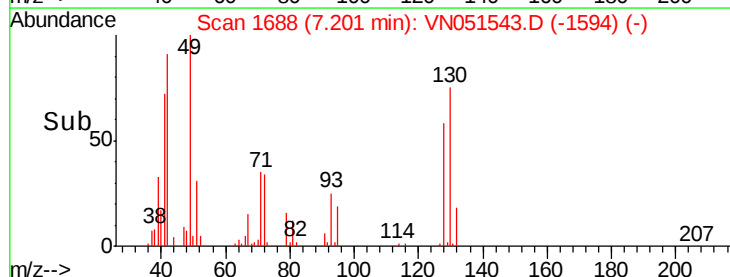
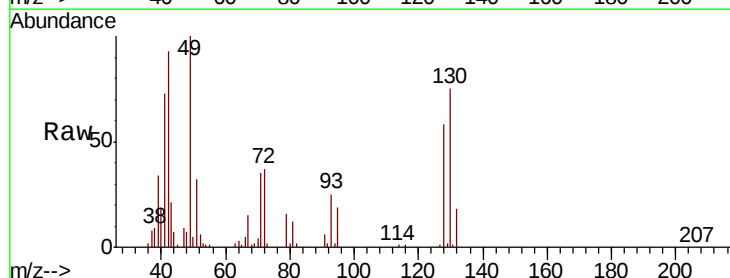
Tgt Ion: 49 Resp: 107799

Ion Ratio Lower Upper

49 100

129 1.2 0.0 3.8

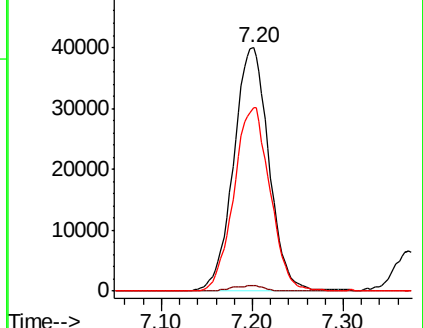
130 77.1 63.0 94.4

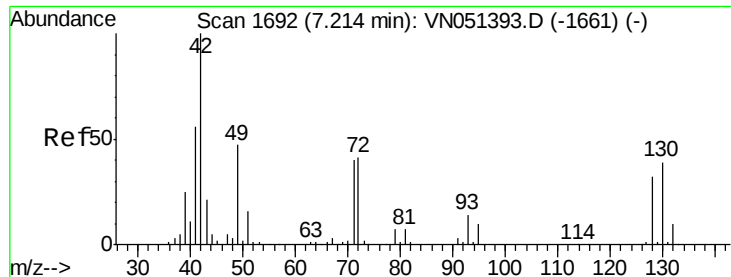


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 124.481 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

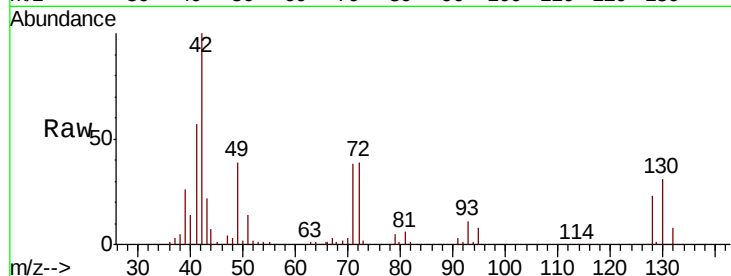
Tot Ion: 42 Resp: 166779

Ion Ratio Lower Upper

42 100

72 40.6 34.3 51.5

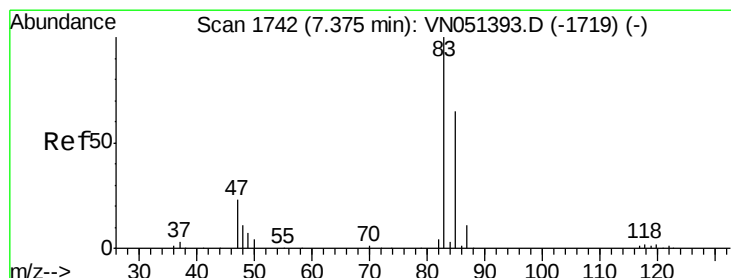
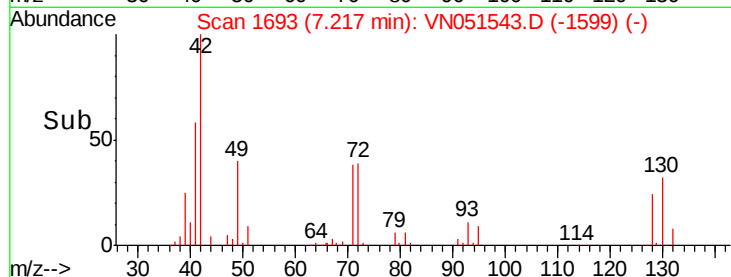
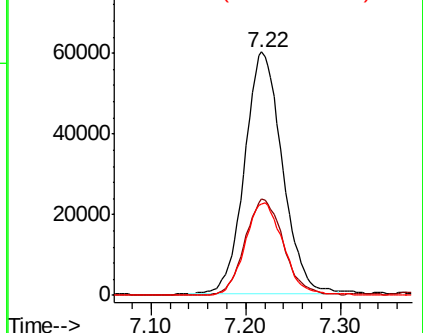
71 39.1 32.2 48.4



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: 20.532 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN051543.D

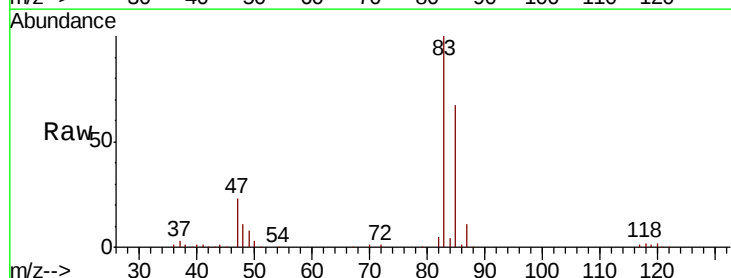
Acq: 26 Sep 2018 18:43

Tgt Ion: 83 Resp: 215983

Ion Ratio Lower Upper

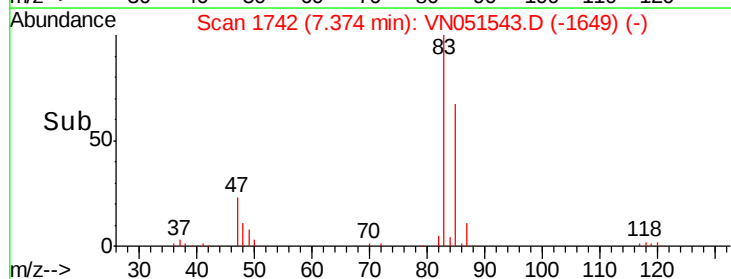
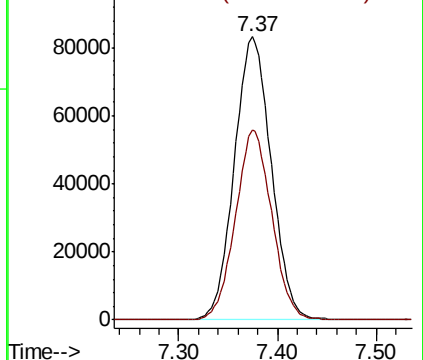
83 100

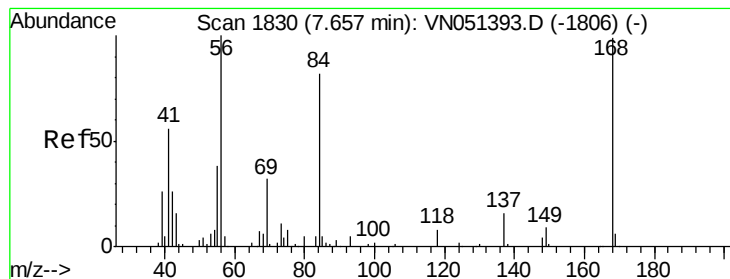
85 67.2 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 17.579 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

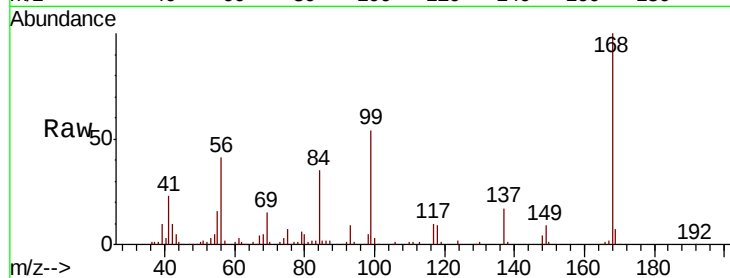
Tot Ion: 56 Resp: 170979

Ion Ratio Lower Upper

56 100

69 36.6 25.8 38.6

84 83.6 66.0 99.0

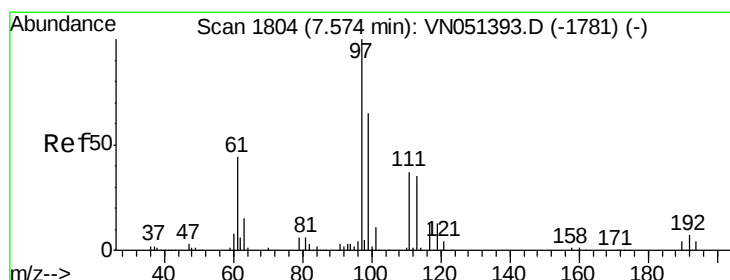
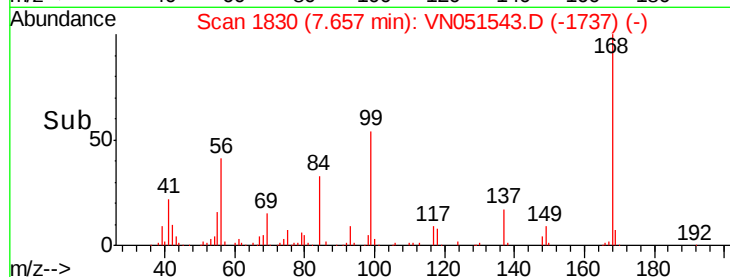
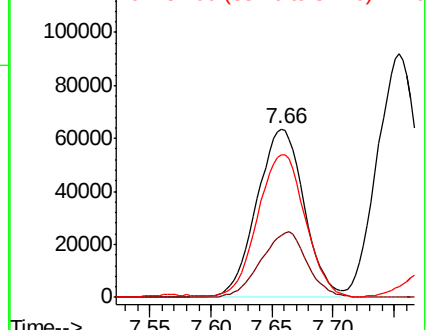


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.040 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

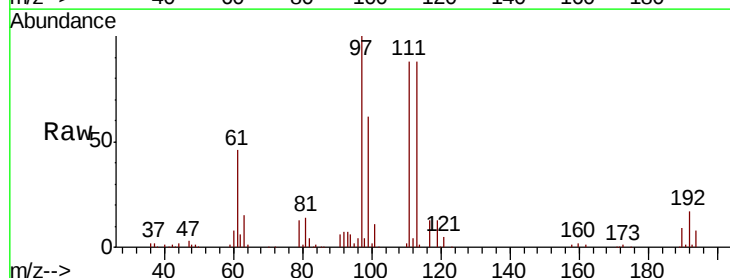
Tgt Ion: 97 Resp: 180220

Ion Ratio Lower Upper

97 100

99 64.1 51.4 77.0

61 44.4 35.8 53.8

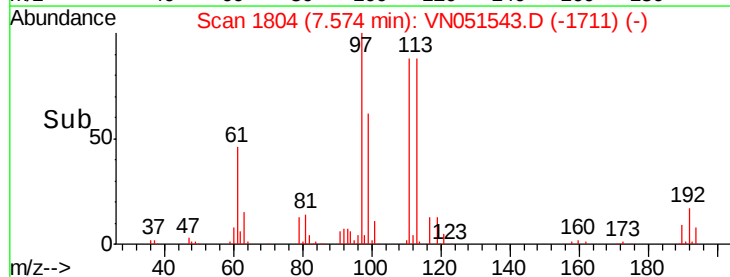
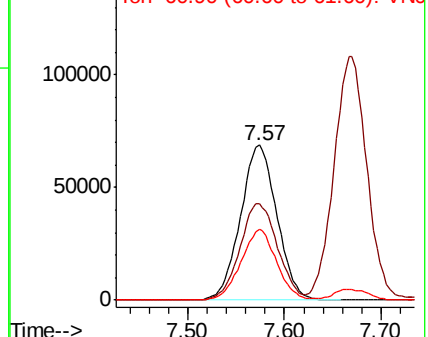


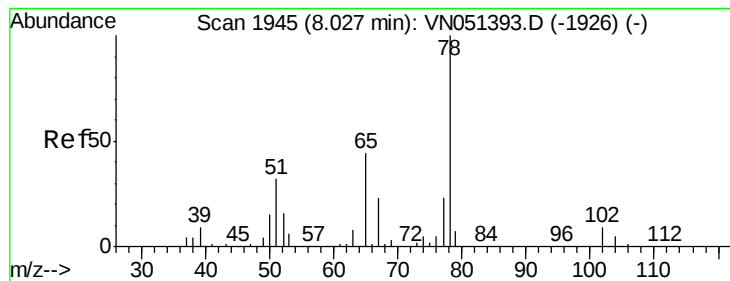
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 56.210 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

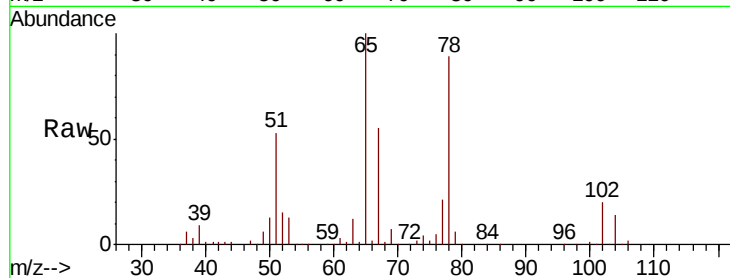
VN0927WBSD01

Tot Ion: 65 Resp: 347203

Ion Ratio Lower Upper

65 100

67 54.3 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

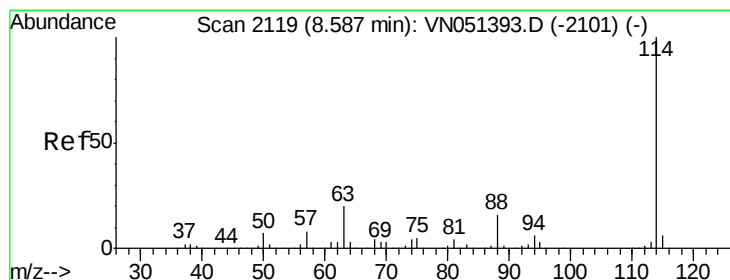
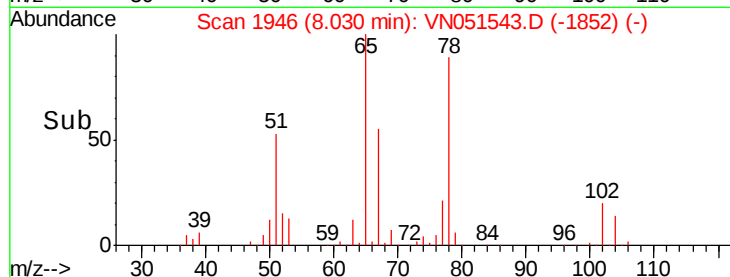
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

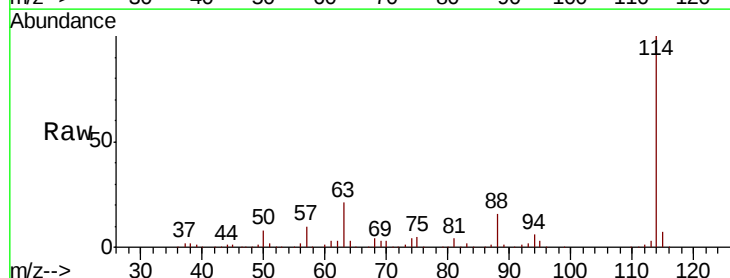
Tgt Ion: 114 Resp: 742464

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.2

88 15.6 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.59

400000

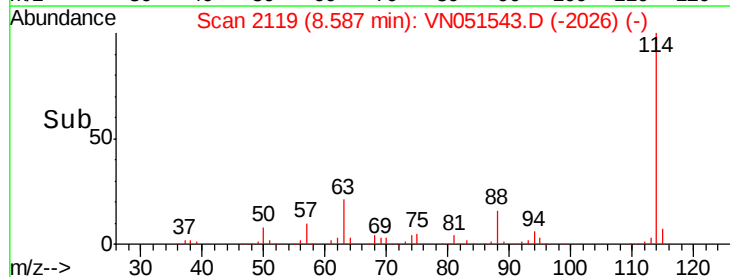
300000

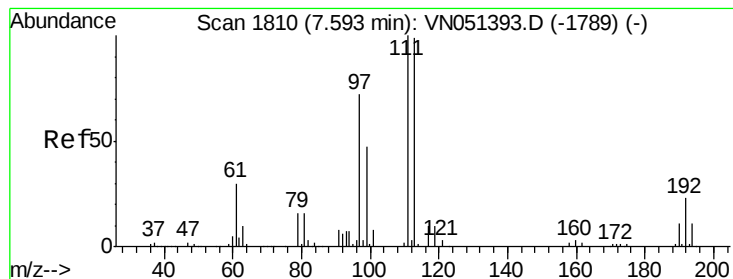
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 52.150 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

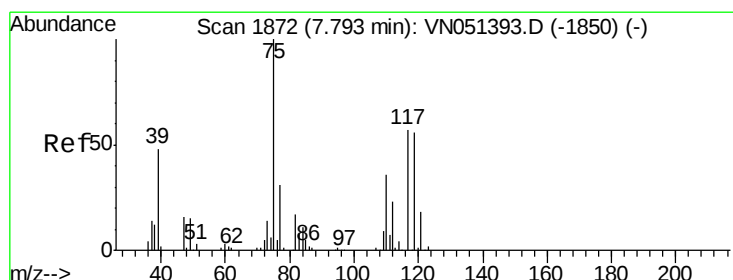
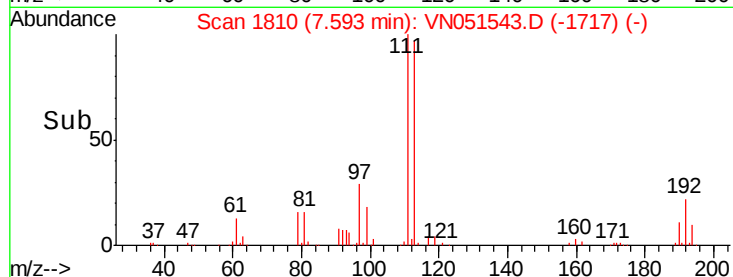
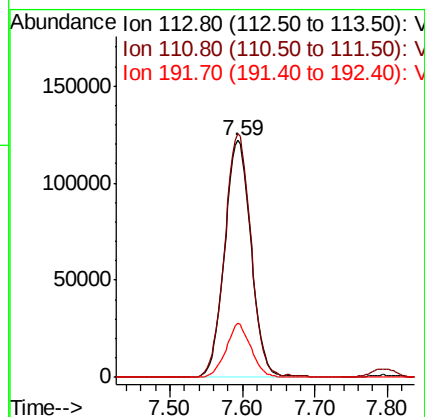
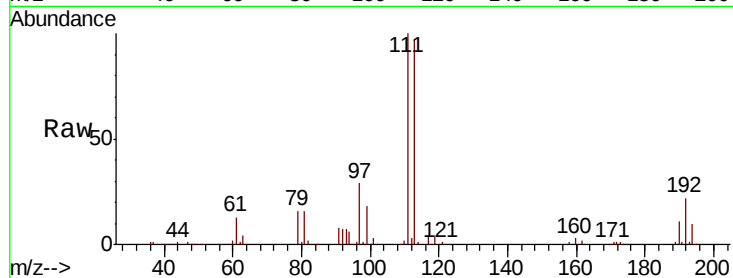
Tot Ion:113 Resp: 309620

Ion Ratio Lower Upper

113 100

111 101.4 82.6 123.8

192 21.4 18.0 27.0



#36

1,1-Dichloropropene

Concen: 17.369 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

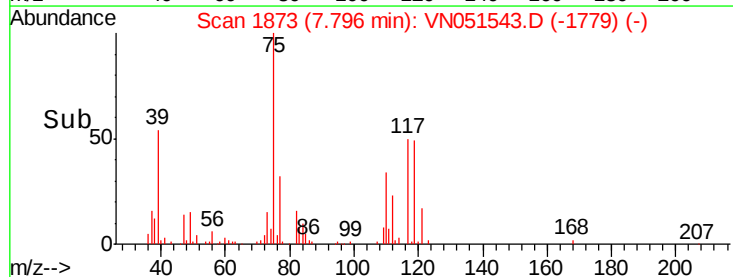
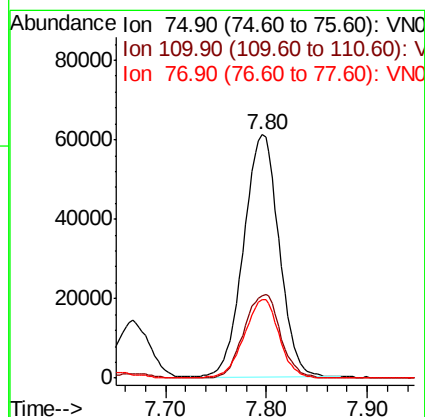
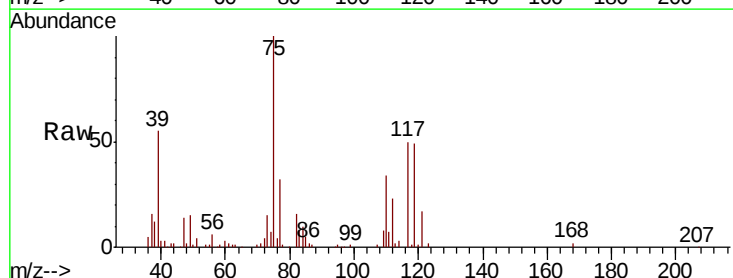
Tgt Ion: 75 Resp: 149333

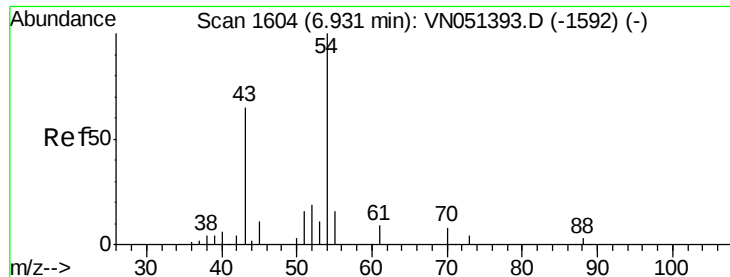
Ion Ratio Lower Upper

75 100

110 35.1 18.1 54.3

77 31.9 25.6 38.4

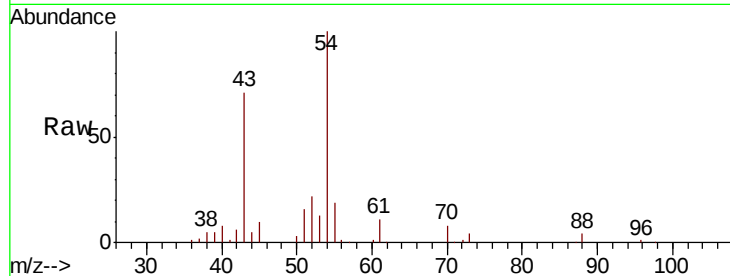




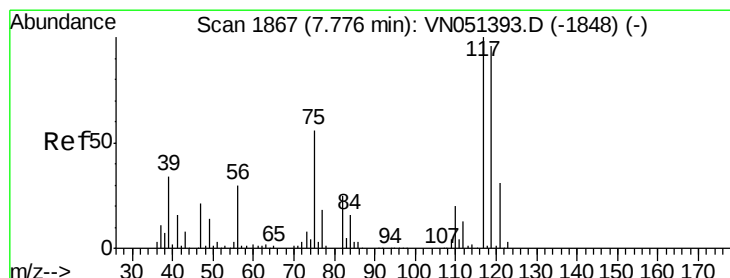
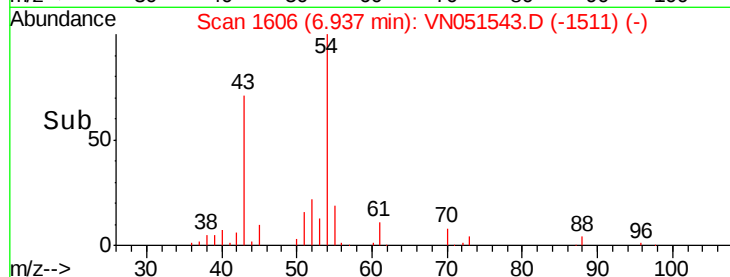
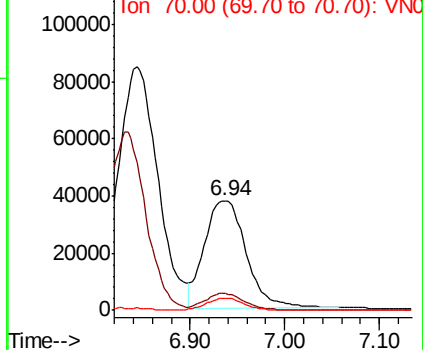
#37
Ethyl Acetate
Concen: 23.581 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

Tot Ion: 43 Resp: 116571
Ion Ratio Lower Upper
43 100
61 15.0 11.5 17.3
70 10.1 7.9 11.9

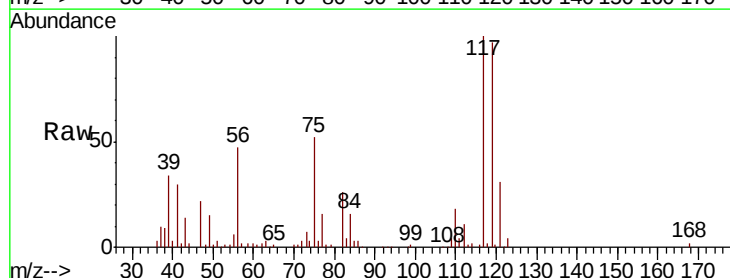


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

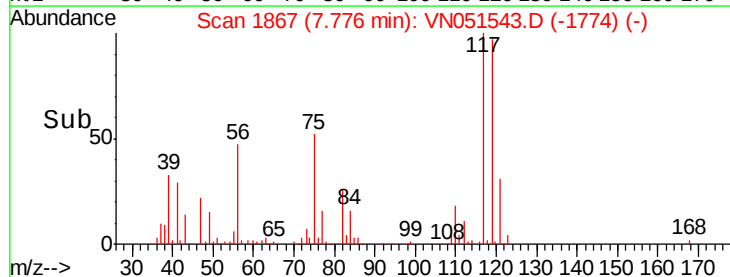
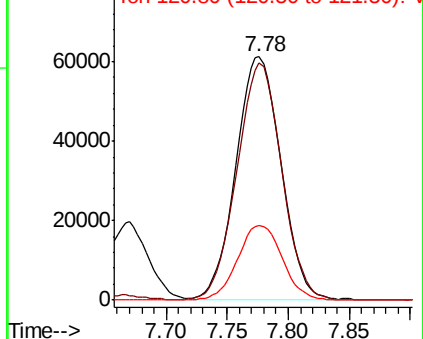


#38
Carbon Tetrachloride
Concen: 17.302 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Tgt Ion: 117 Resp: 155597
Ion Ratio Lower Upper
117 100
119 97.8 76.9 115.3
121 30.7 24.6 37.0



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

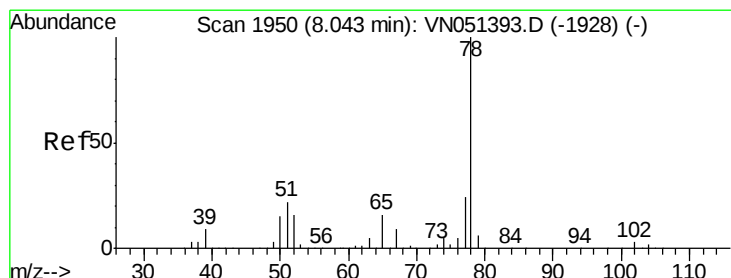
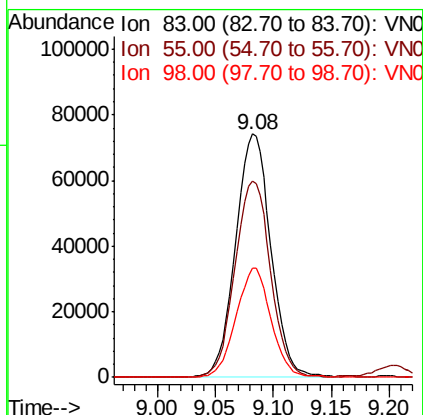
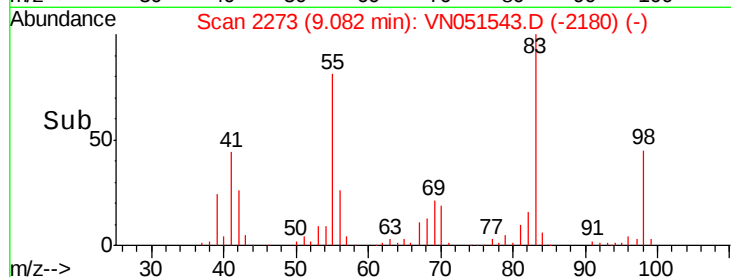
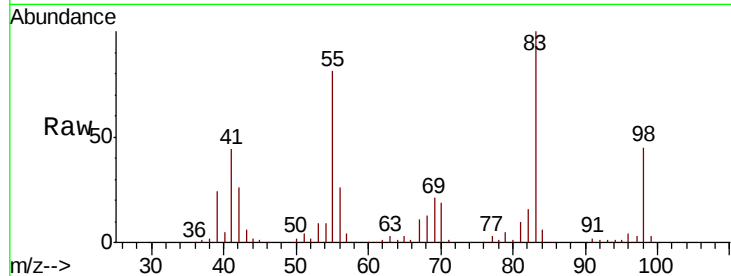




#39
Methvlcvclohexane
Concen: 15.661 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

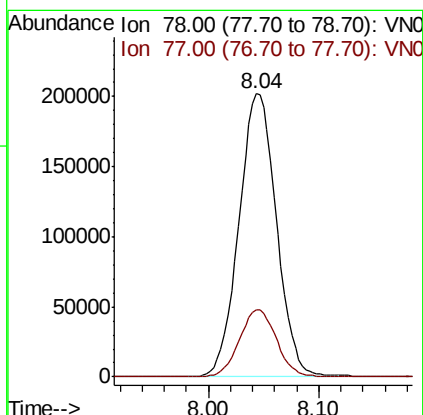
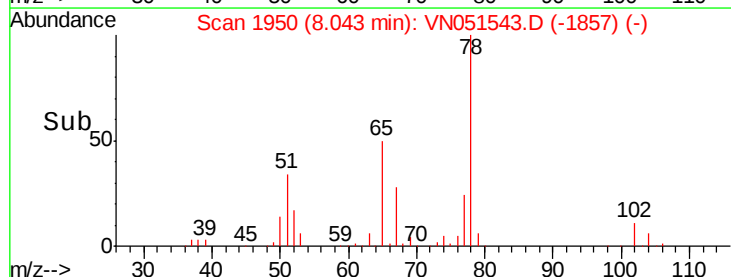
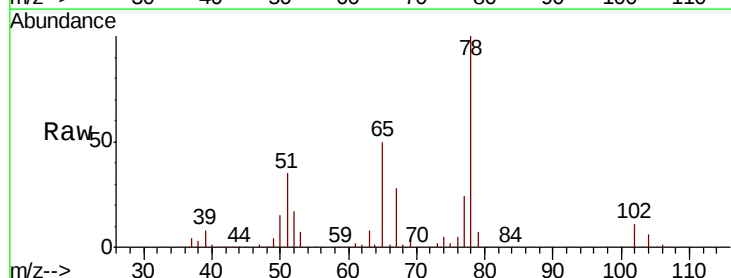
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

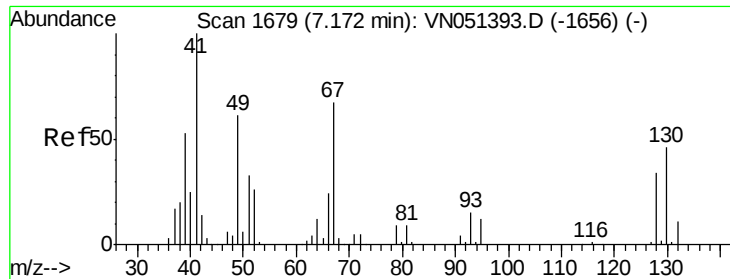
Tot Ion: 83 Resp: 157405
Ion Ratio Lower Upper
83 100
55 80.8 61.0 91.4
98 44.8 35.6 53.4



#40
Benzene
Concen: 18.854 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Tgt Ion: 78 Resp: 475983
Ion Ratio Lower Upper
78 100
77 23.7 19.2 28.8

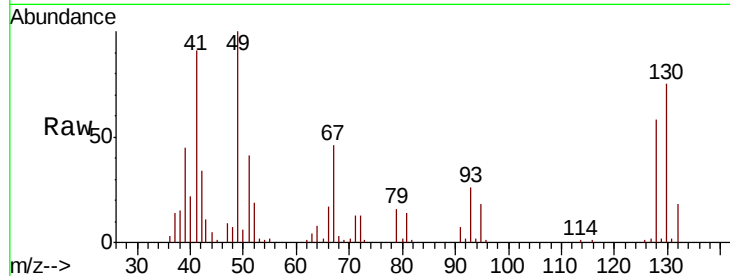




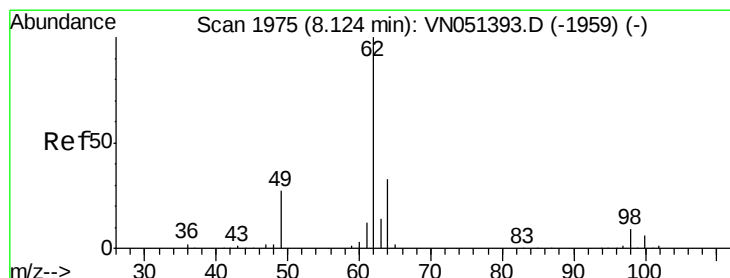
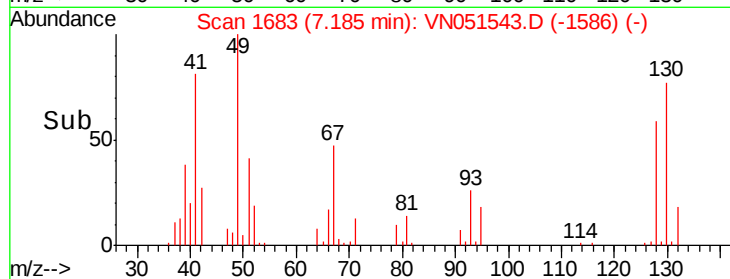
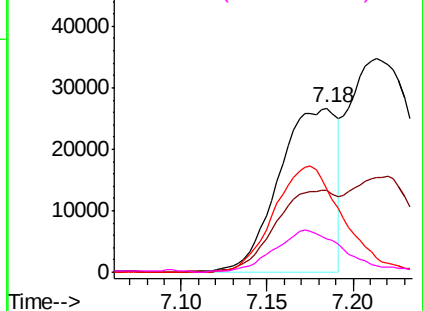
#41
Methacrylonitrile
Concen: 22.959 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

Tot Ion: 41 Resp: 62790
Ion Ratio Lower Upper
41 100
39 52.1 51.4 77.2
67 77.0 66.8 100.2
52 31.3 27.7 41.5

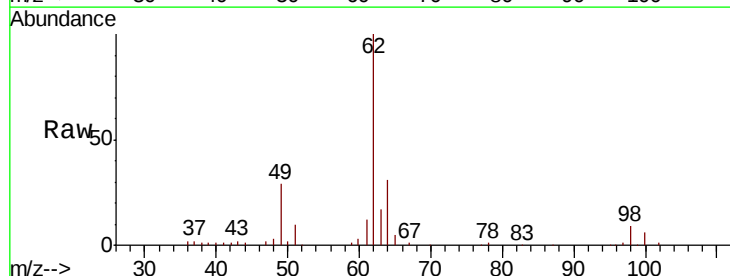


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

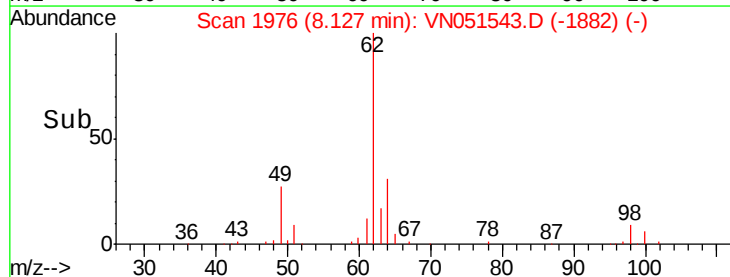
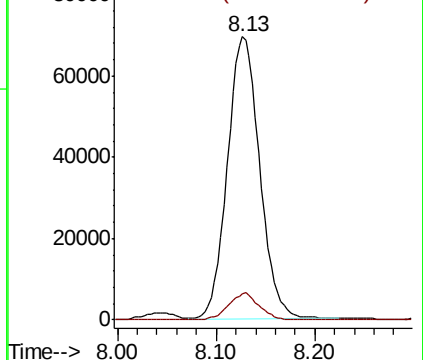


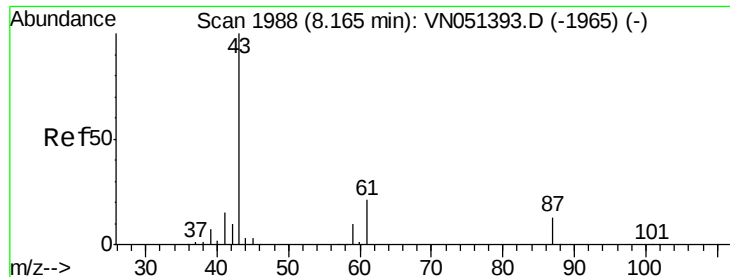
#42
1,2-Dichloroethane
Concen: 19.682 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Tgt Ion: 62 Resp: 159102
Ion Ratio Lower Upper
62 100
98 9.1 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 23.248 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

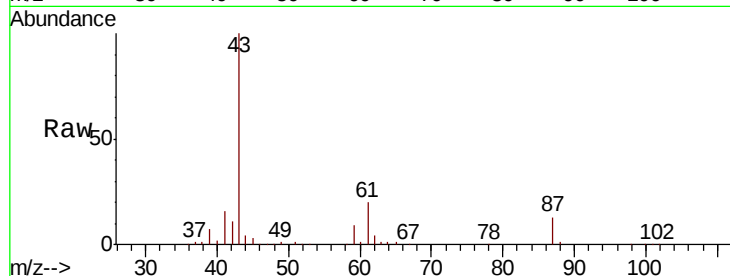
Tot Ion: 43 Resp: 207816

Ion Ratio Lower Upper

43 100

61 20.3 16.8 25.2

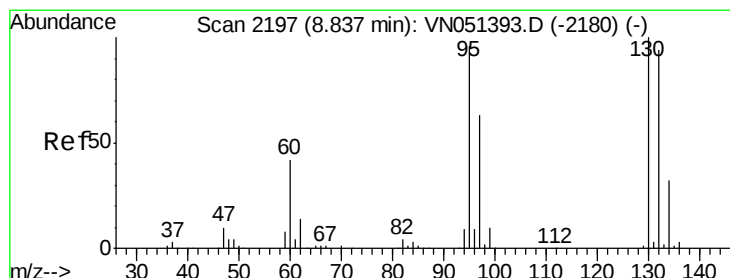
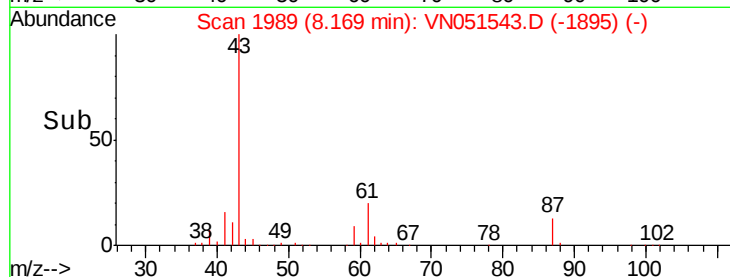
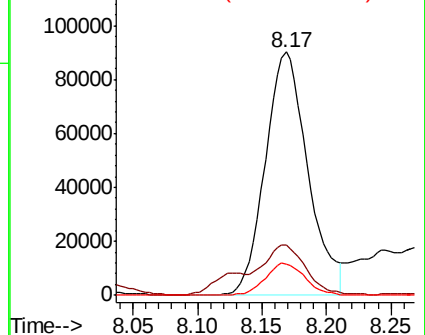
87 12.3 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-1965) (-)

Ion 61.00 (60.70 to 61.70): VN051393.D (-1965) (-)

Ion 87.00 (86.70 to 87.70): VN051393.D (-1965) (-)



#44

Trichloroethene

Concen: 17.917 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN051543.D

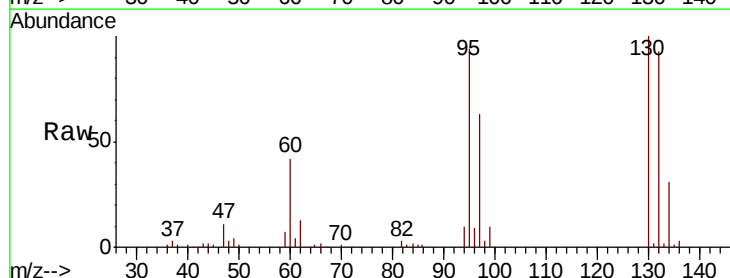
Acq: 26 Sep 2018 18:43

Tgt Ion: 130 Resp: 120140

Ion Ratio Lower Upper

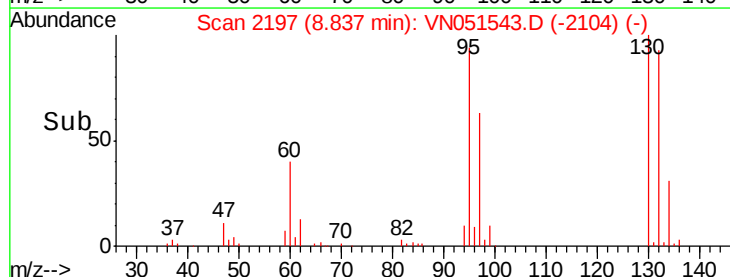
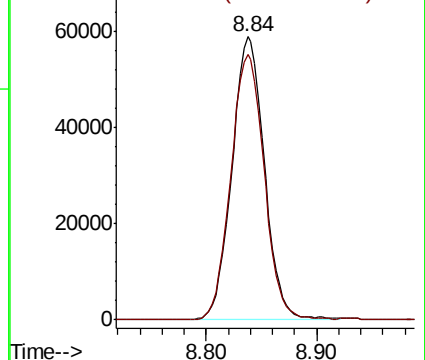
130 100

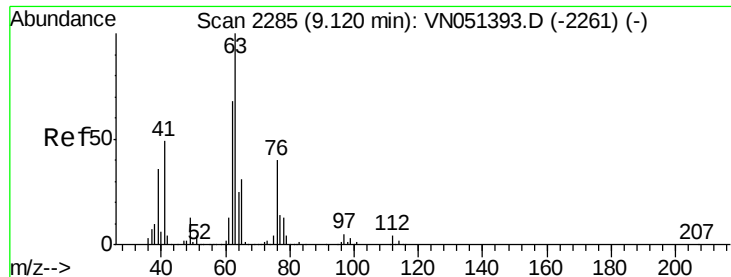
95 93.9 0.0 192.2



Abundance Ion 129.80 (129.50 to 130.50): VN051393.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN051393.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 19.804 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

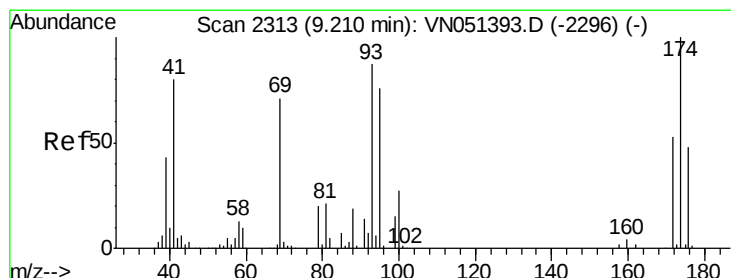
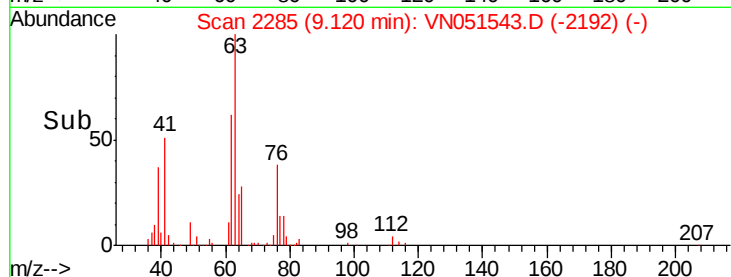
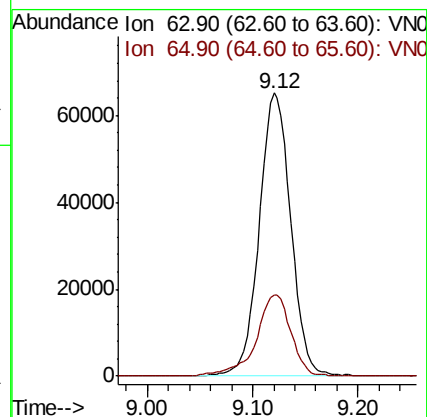
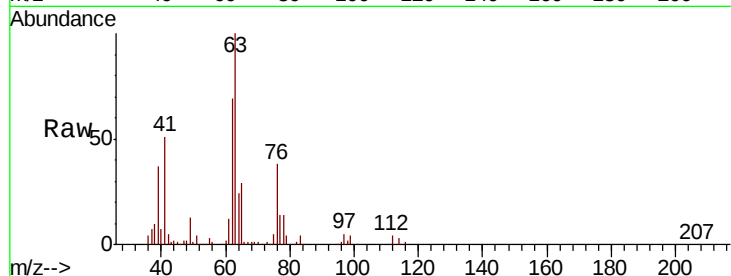
VN0927WBSD01

Tot Ion: 63 Resp: 135905

Ion Ratio Lower Upper

63 100

65 28.6 24.9 37.3



#46

Dibromomethane

Concen: 19.601 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

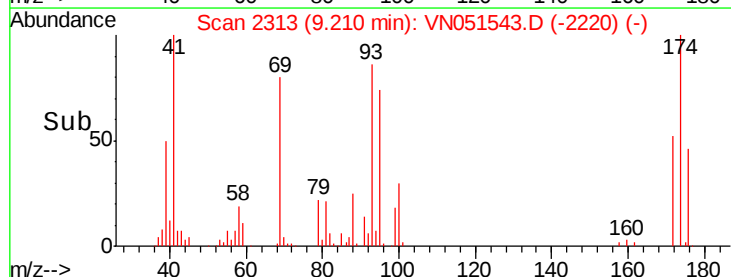
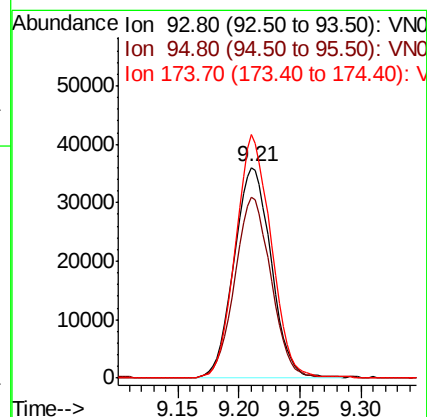
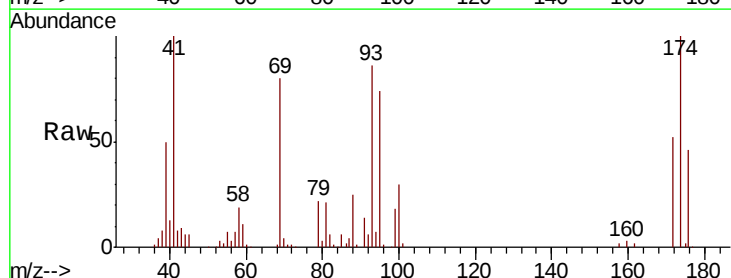
Tgt Ion: 93 Resp: 76003

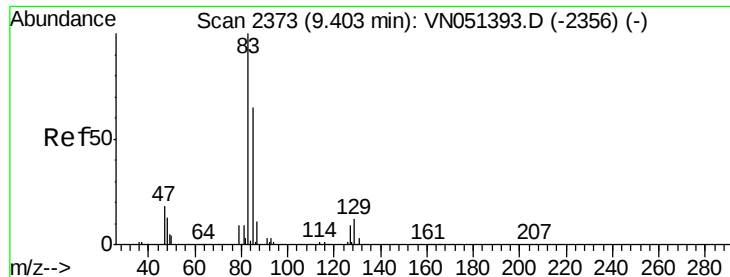
Ion Ratio Lower Upper

93 100

95 84.3 67.6 101.4

174 110.8 89.6 134.4





#47

Bromodichloromethane

Concen: 19.309 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

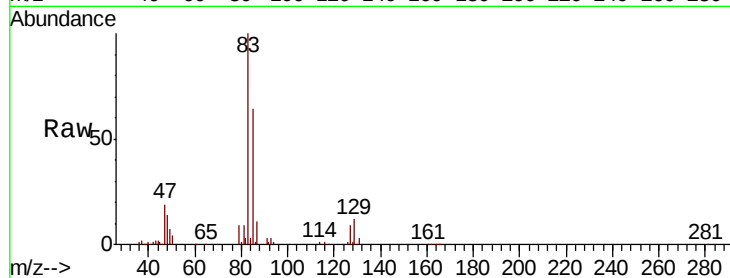
Tot Ion: 83 Resp: 165688

Ion Ratio Lower Upper

83 100

85 64.3 51.8 77.6

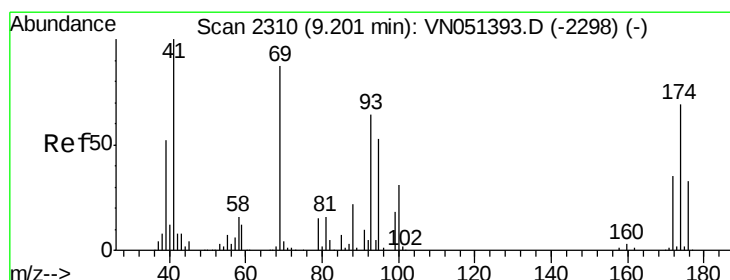
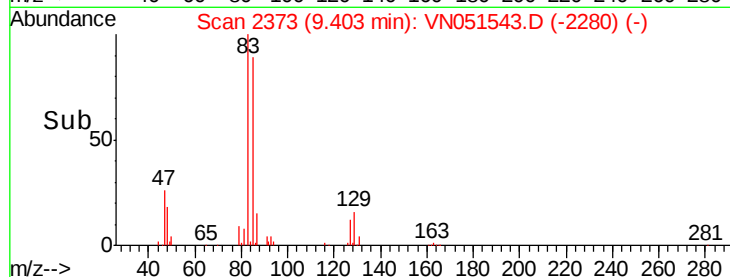
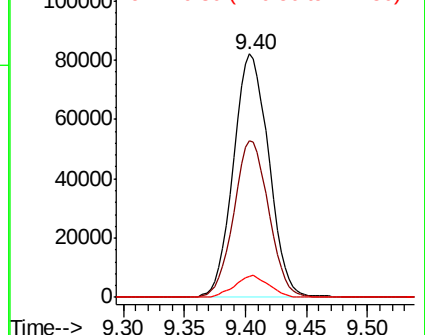
127 8.8 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 21.904 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

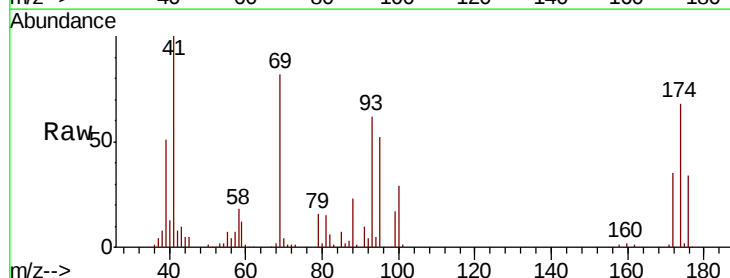
Tgt Ion: 41 Resp: 97621

Ion Ratio Lower Upper

41 100

69 83.4 70.4 105.6

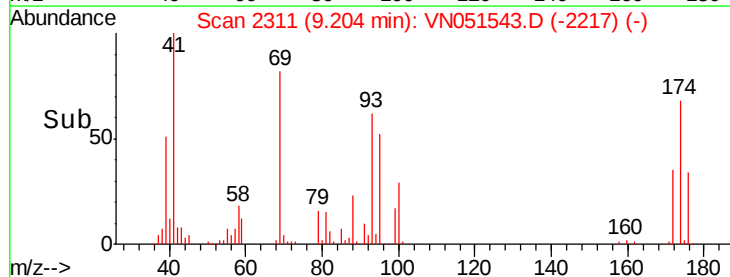
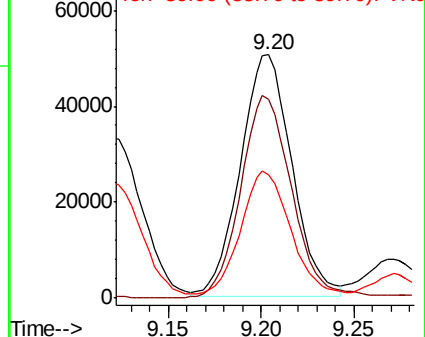
39 51.5 43.8 65.8

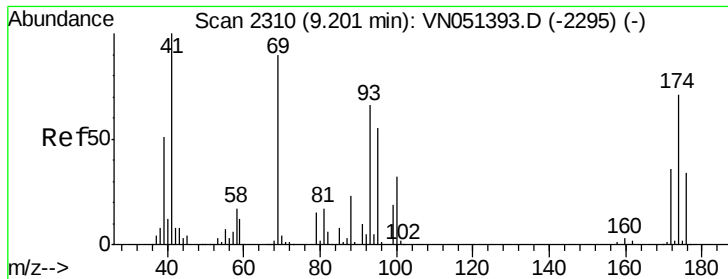


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 460.859 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampled :

VN0927WBSD01

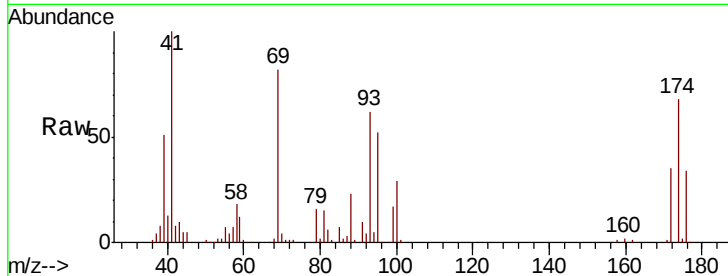
Tot Ion: 88 Resp: 25172

Ion Ratio Lower Upper

88 100

43 39.2 25.9 38.9#

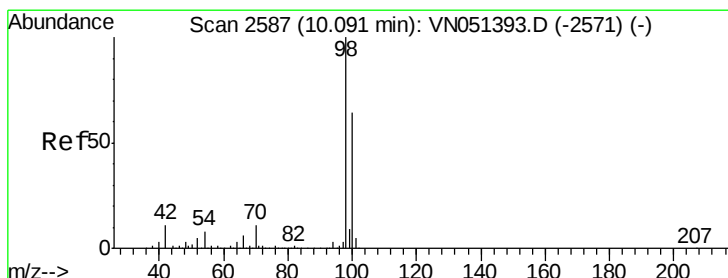
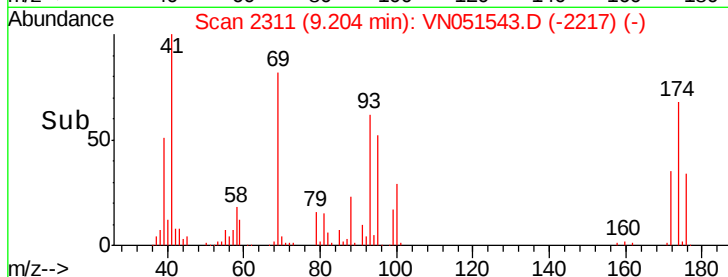
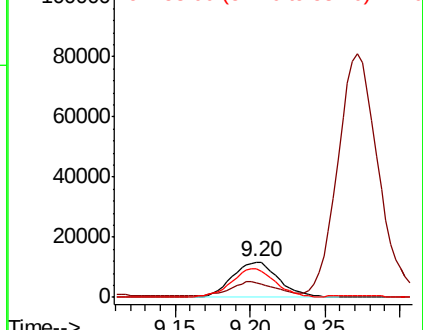
58 77.5 57.0 85.4



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: 49.611 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051543.D

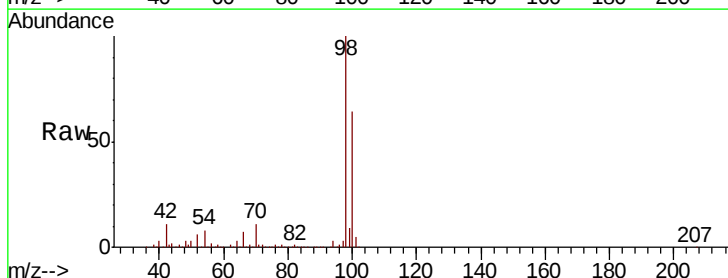
Acq: 26 Sep 2018 18:43

Tgt Ion: 98 Resp: 1109154

Ion Ratio Lower Upper

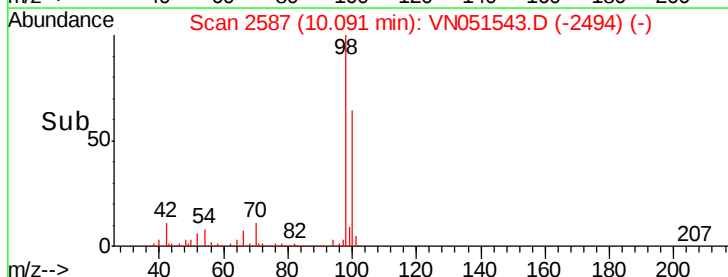
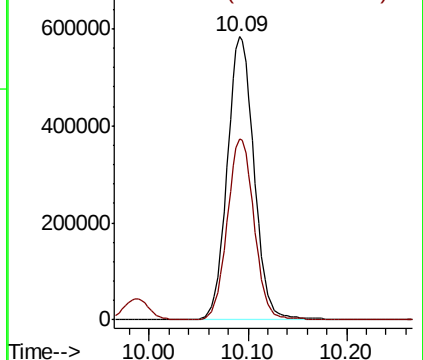
98 100

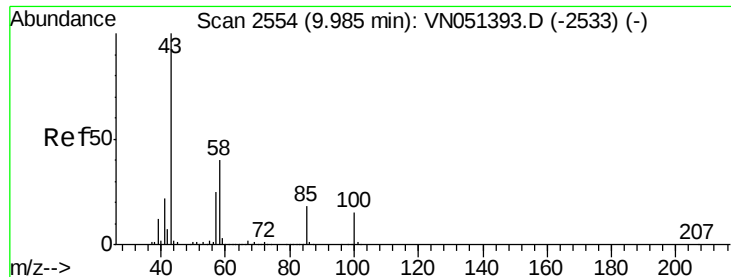
100 63.8 50.6 75.8



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: 117.889 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

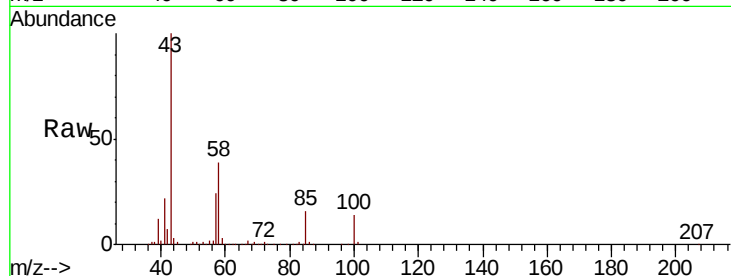
VN0927WBSD01

Tot Ion: 43 Resp: 579564

Ion Ratio Lower Upper

43 100

58 38.2 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN051393.D (-2533) (-)

9.99

300000

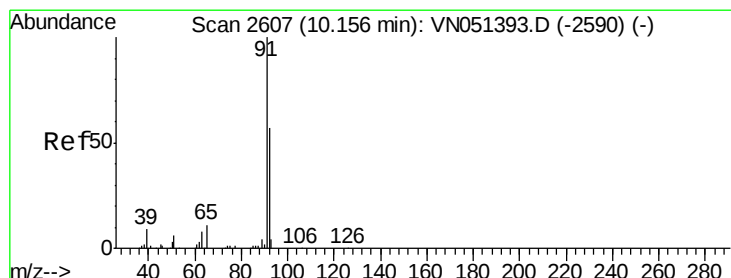
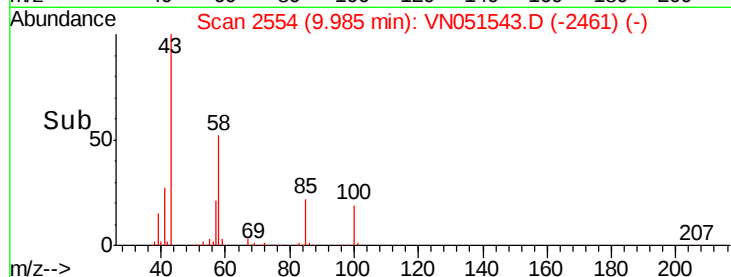
200000

100000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 18.355 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051543.D

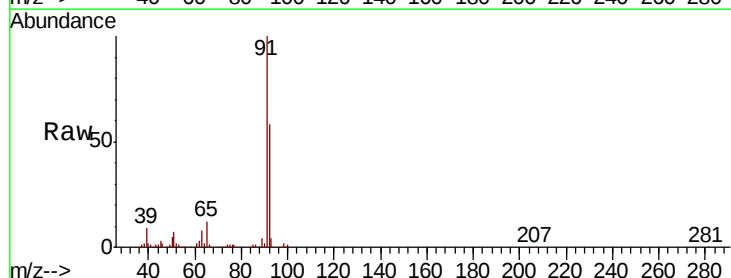
Acq: 26 Sep 2018 18:43

Tgt Ion: 92 Resp: 287965

Ion Ratio Lower Upper

92 100

91 174.6 142.2 213.4



Abundance Ion 92.00 (91.70 to 92.70): VN051393.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN051393.D (-2590) (-)

10.16

300000

250000

200000

150000

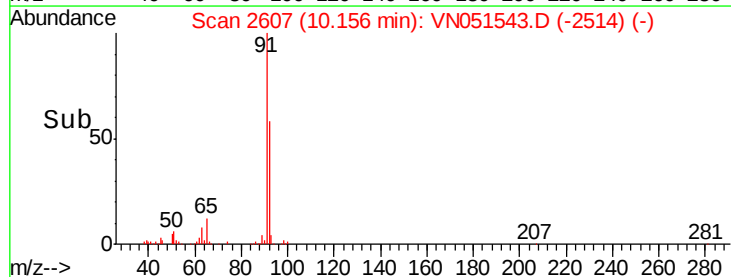
100000

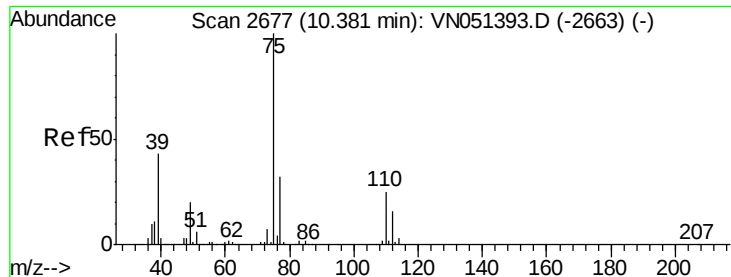
50000

0

10.10 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.572 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

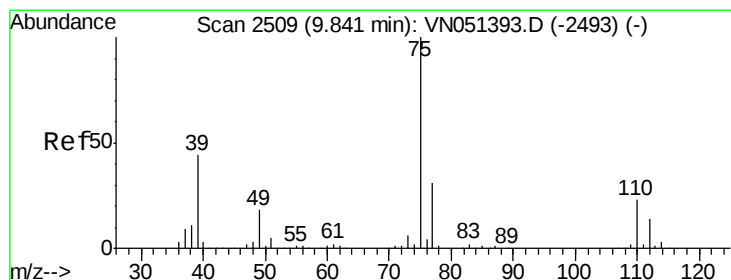
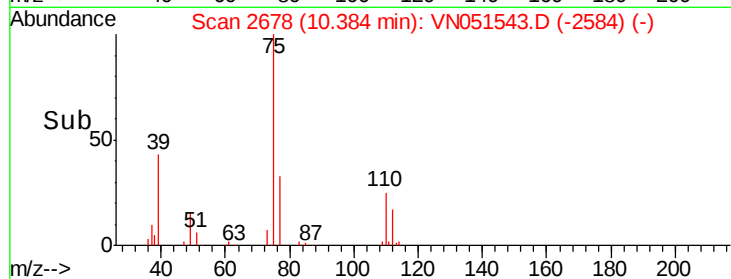
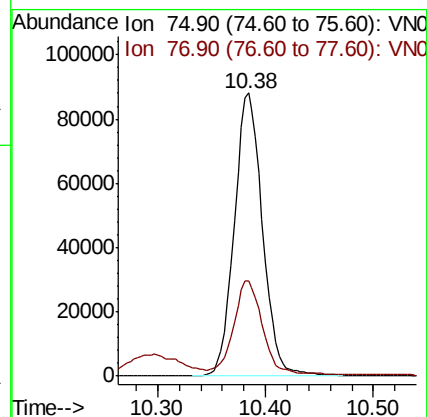
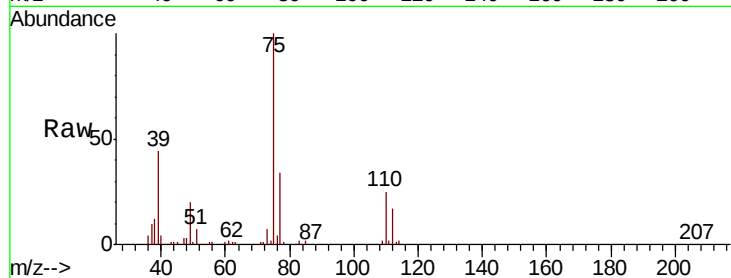
VN0927WBSD01

Tot Ion: 75 Resp: 160890

Ion Ratio Lower Upper

75 100

77 33.0 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 18.453 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

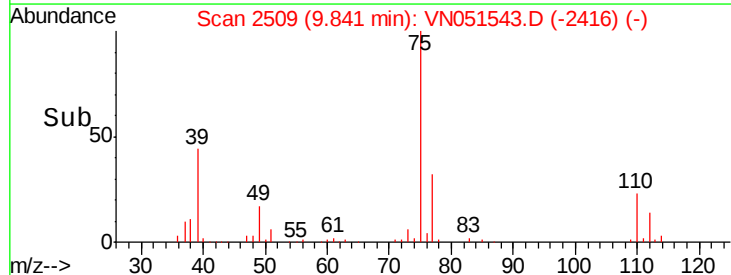
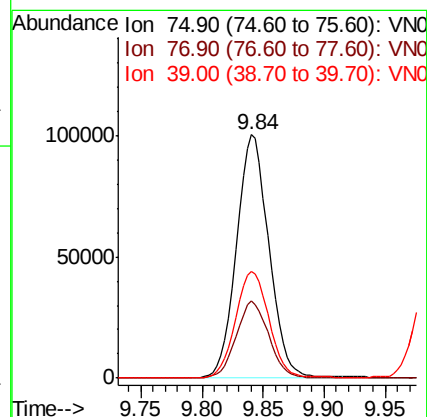
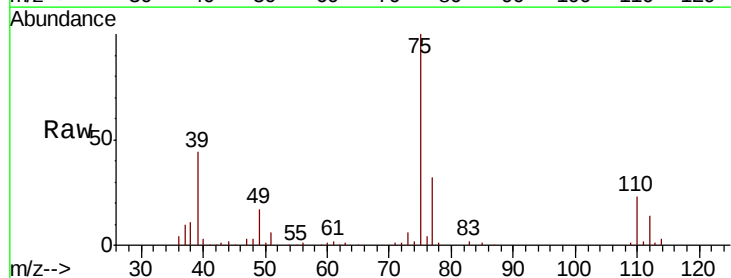
Tgt Ion: 75 Resp: 185379

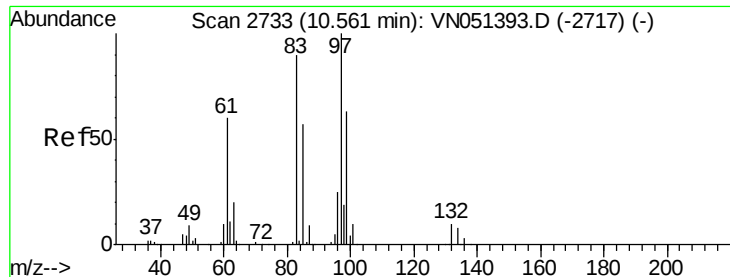
Ion Ratio Lower Upper

75 100

77 31.6 25.2 37.8

39 43.6 35.4 53.2

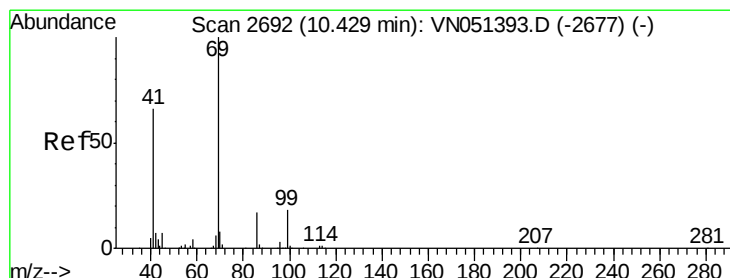
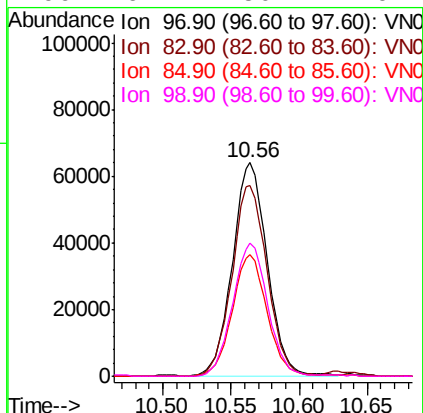
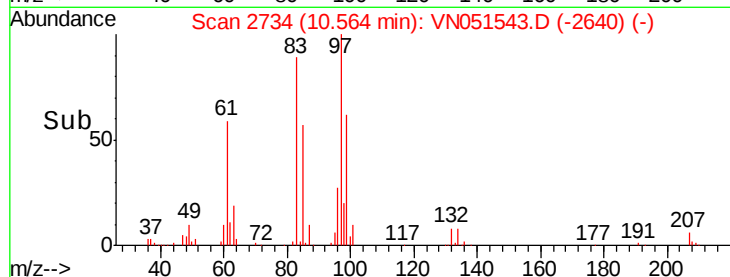
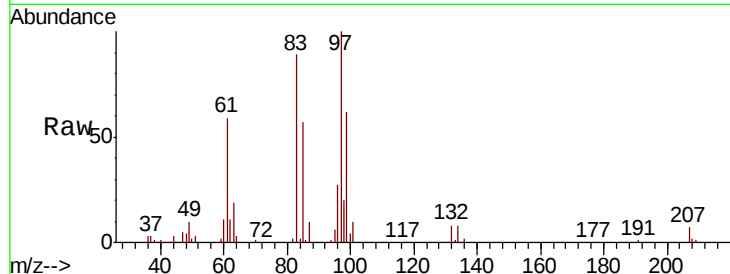




#55
 1,1,2-Trichloroethane
 Concen: 20.542 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051543.D
 Acq: 26 Sep 2018 18:43

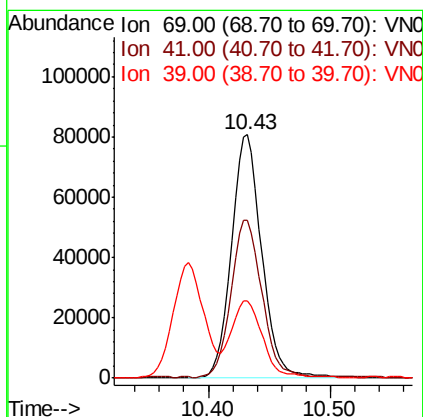
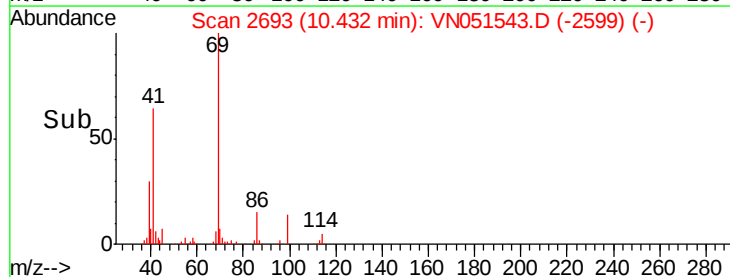
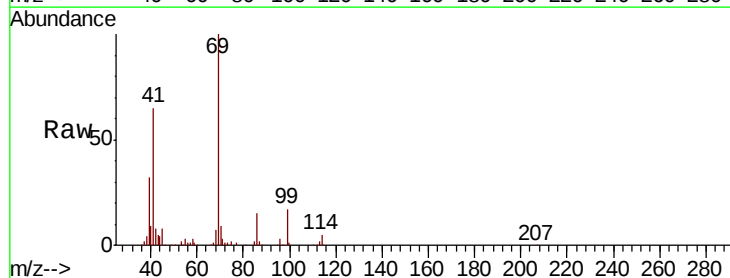
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

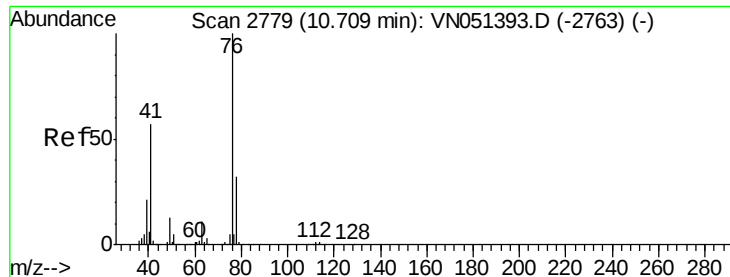
Tot Ion: 97 Resp: 113901
 Ion Ratio Lower Upper
 97 100
 83 89.2 72.0 108.0
 85 56.9 45.2 67.8
 99 62.1 50.7 76.1



#56
 Ethyl methacrylate
 Concen: 20.537 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN051543.D
 Acq: 26 Sep 2018 18:43

Tgt Ion: 69 Resp: 139221
 Ion Ratio Lower Upper
 69 100
 41 65.8 52.4 78.6
 39 32.8 26.3 39.5





#57

1,3-Dichloropropane

Concen: 20.158 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

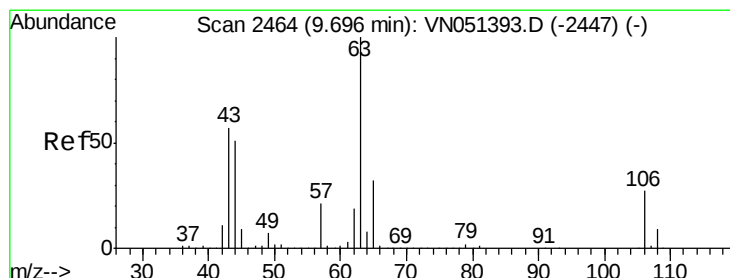
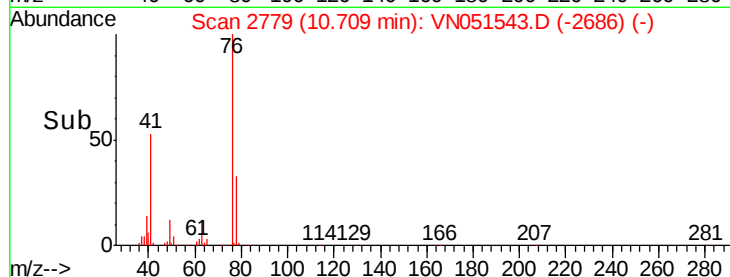
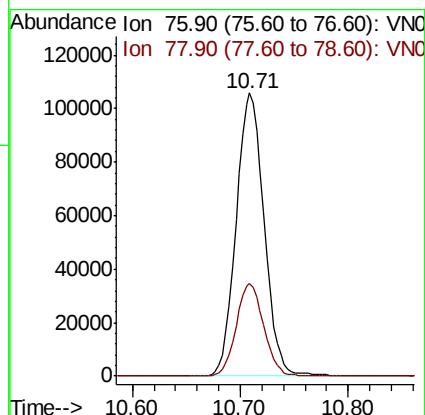
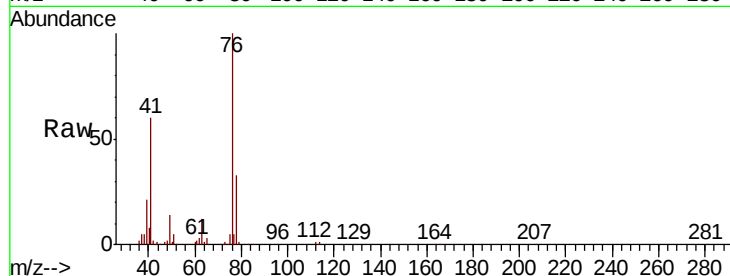
VN0927WBSD01

Tot Ion: 76 Resp: 191573

Ion Ratio Lower Upper

76 100

78 32.4 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 110.853 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051543.D

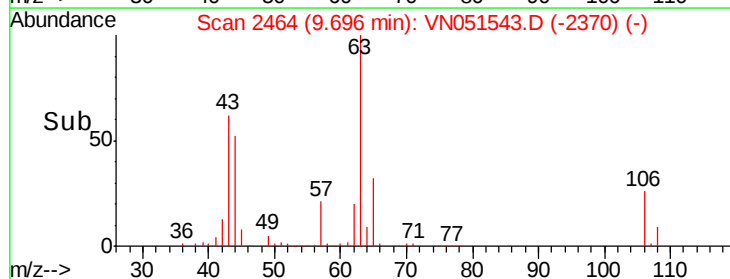
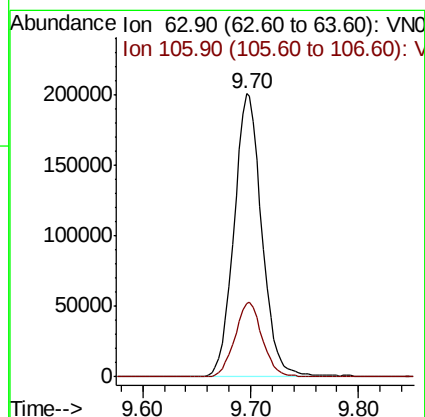
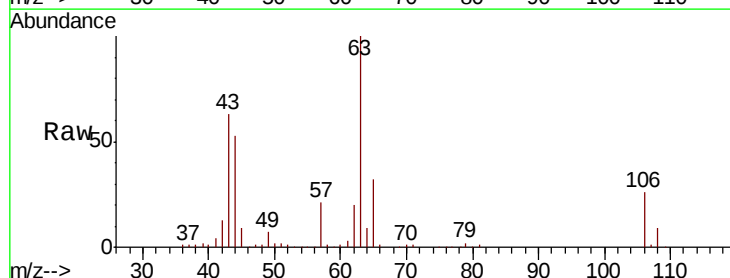
Acq: 26 Sep 2018 18:43

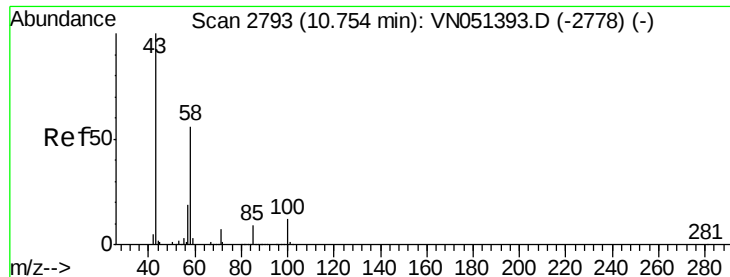
Tgt Ion: 63 Resp: 361406

Ion Ratio Lower Upper

63 100

106 25.9 21.4 32.2

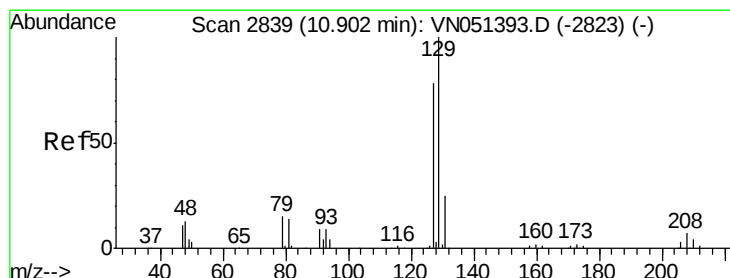
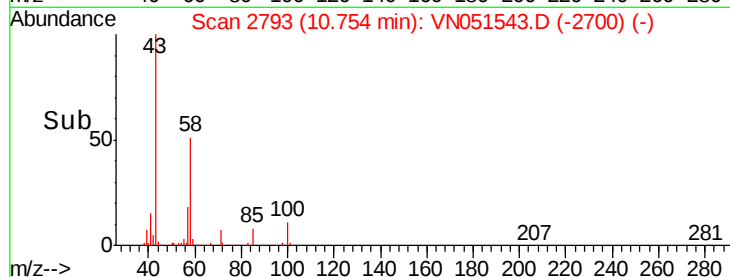
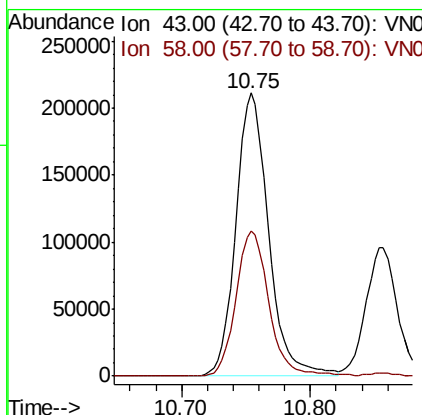
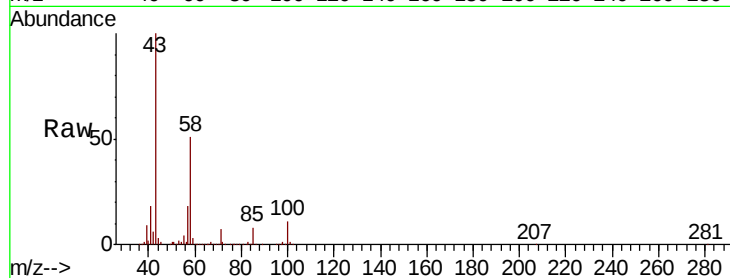




#59
2-Hexanone
Concen: 116.155 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

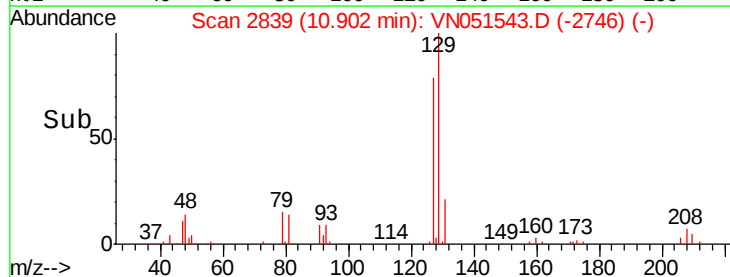
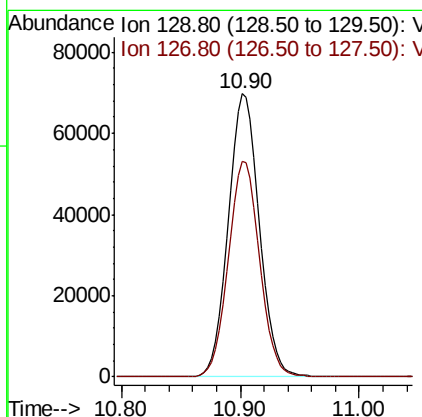
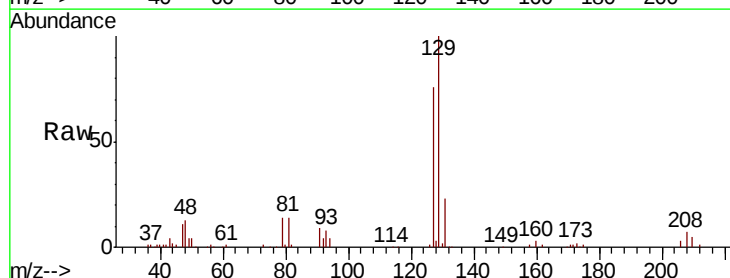
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

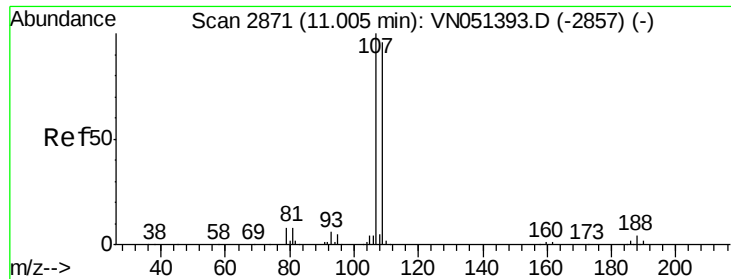
Tot Ion: 43 Resp: 370183
Ion Ratio Lower Upper
43 100
58 51.9 27.7 83.0



#60
Dibromochloromethane
Concen: 19.280 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Tgt Ion: 129 Resp: 126131
Ion Ratio Lower Upper
129 100
127 76.6 38.6 116.0

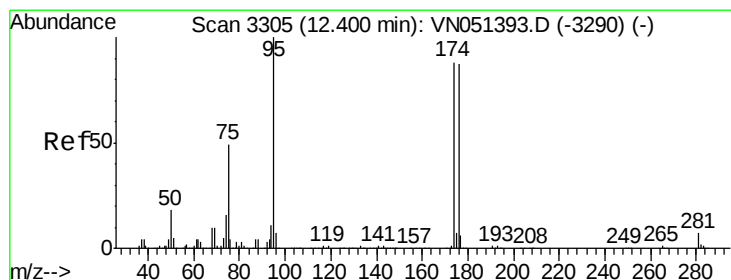
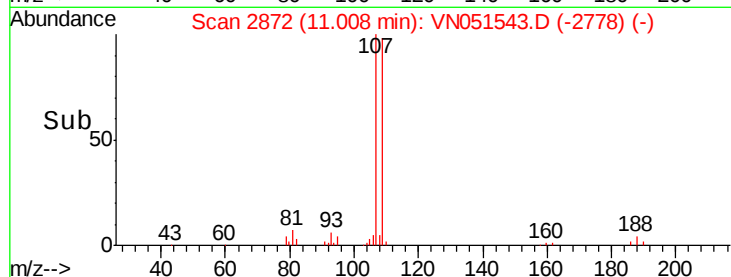
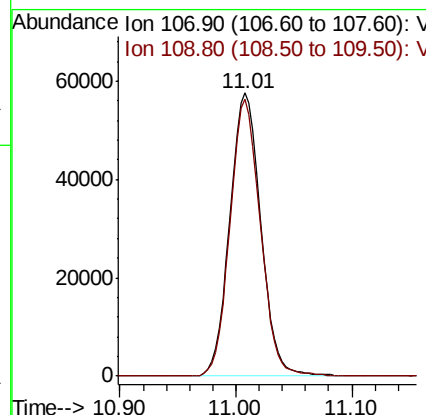
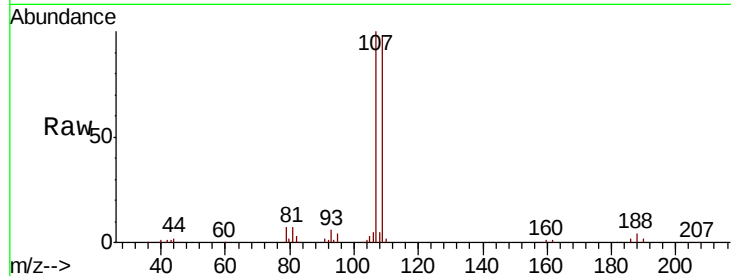




#61
 1,2-Dibromoethane
 Concen: 19.753 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051543.D
 Acq: 26 Sep 2018 18:43

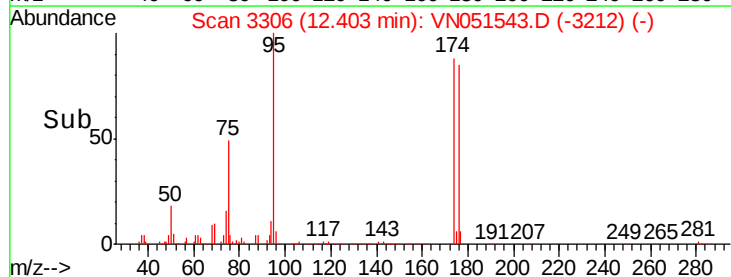
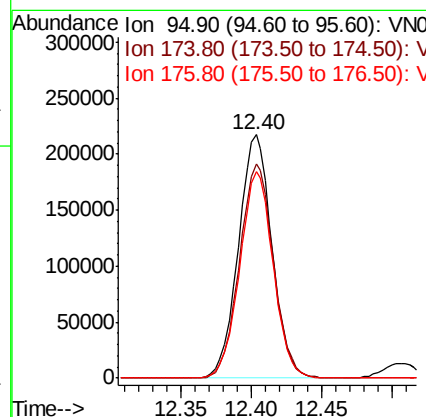
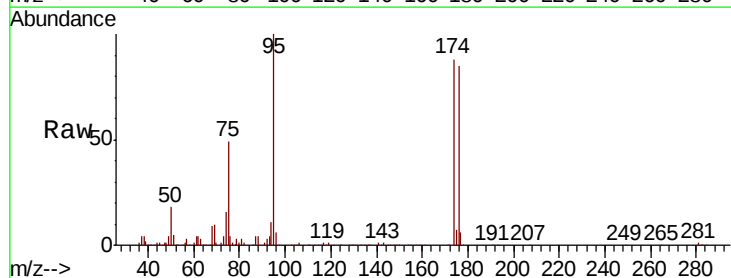
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

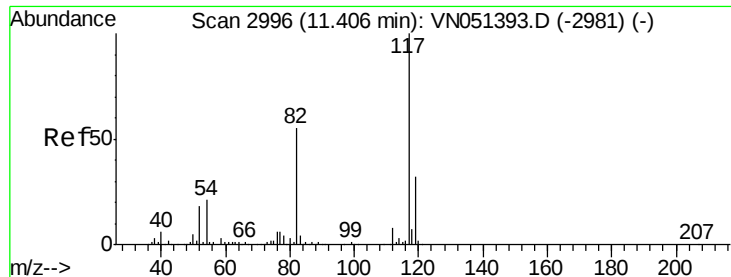
Tot Ion: 107 Resp: 106321
 Ion Ratio Lower Upper
 107 100
 109 95.7 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 49.983 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051543.D
 Acq: 26 Sep 2018 18:43

Tgt Ion: 95 Resp: 361501
 Ion Ratio Lower Upper
 95 100
 174 89.2 0.0 181.6
 176 84.5 0.0 176.4

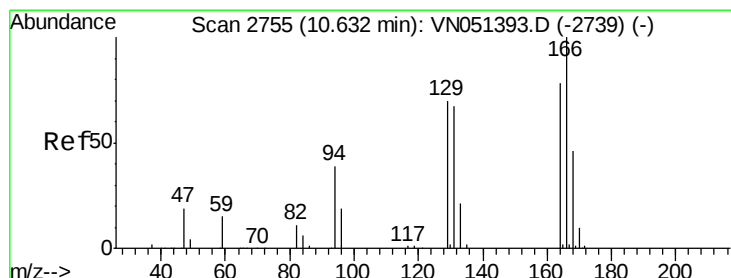
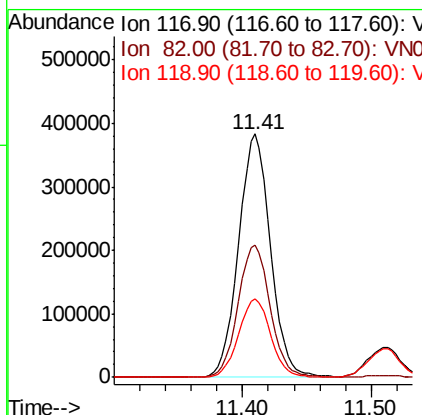
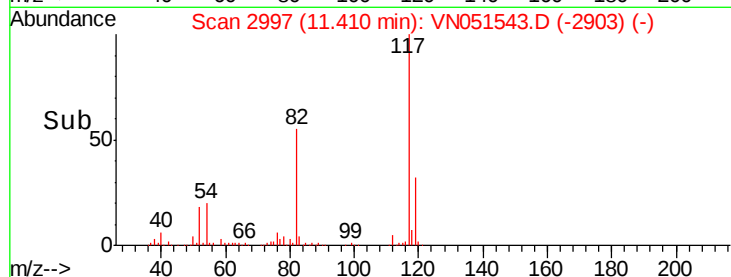
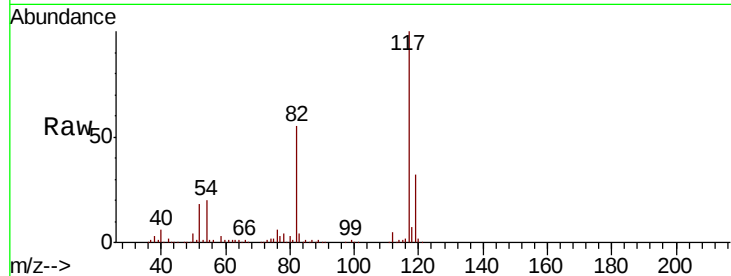




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

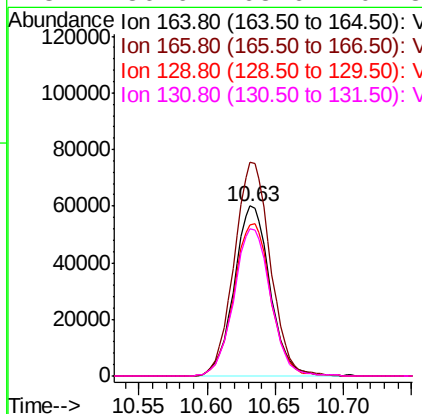
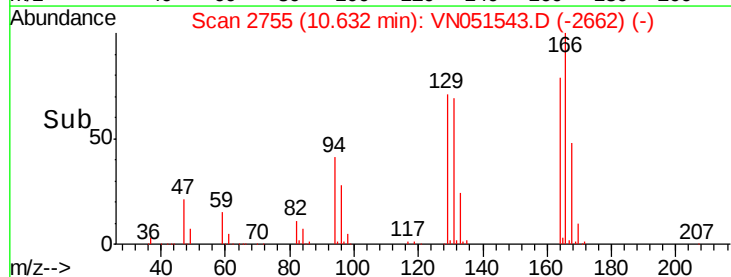
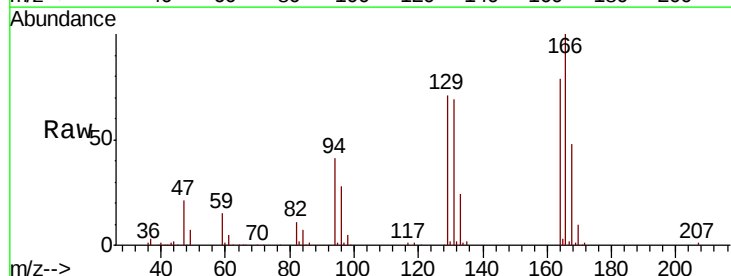
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

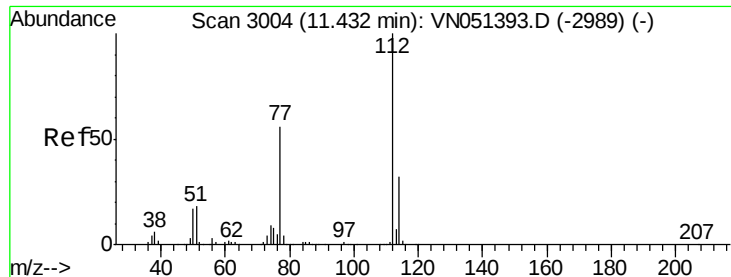
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	44.2	66.2
119	32.0	25.9	38.9



#64
Tetrachloroethene
Concen: 18.292 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	102.3	153.5
129	89.2	71.8	107.8
131	86.6	68.6	102.8





#65

Chlorobenzene

Concen: 18.283 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

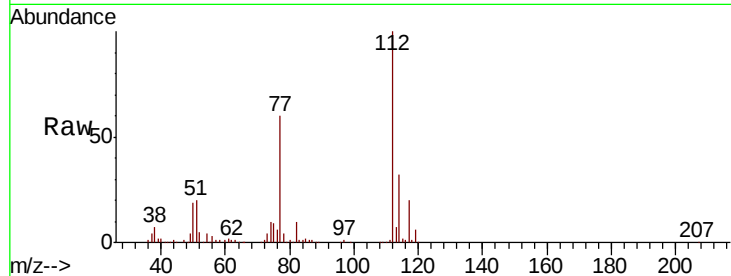
VN0927WBSD01

Tot Ion:112 Resp: 309405

Ion Ratio Lower Upper

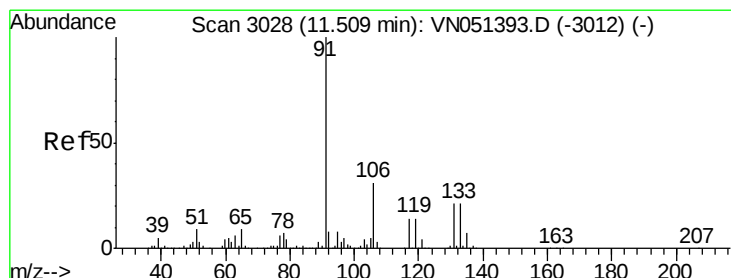
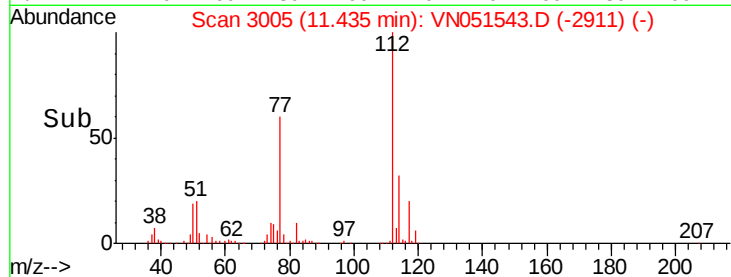
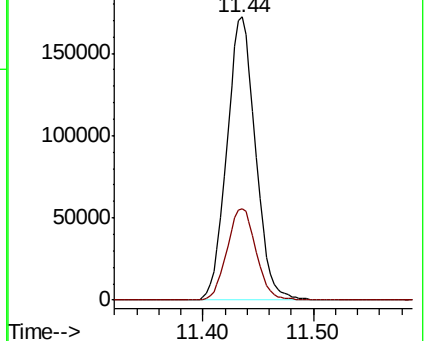
112 100

114 32.5 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.574 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

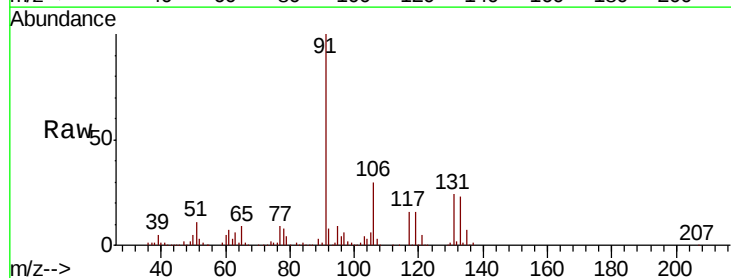
Tgt Ion:131 Resp: 119758

Ion Ratio Lower Upper

131 100

133 97.4 48.3 144.8

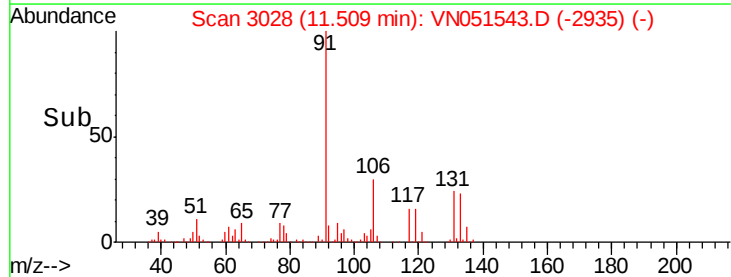
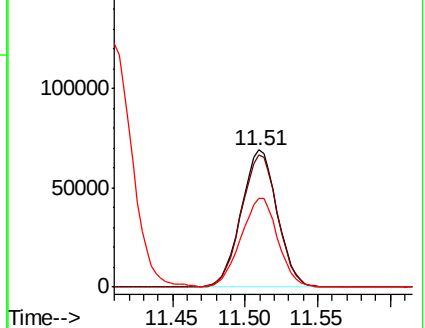
119 66.4 32.8 98.4

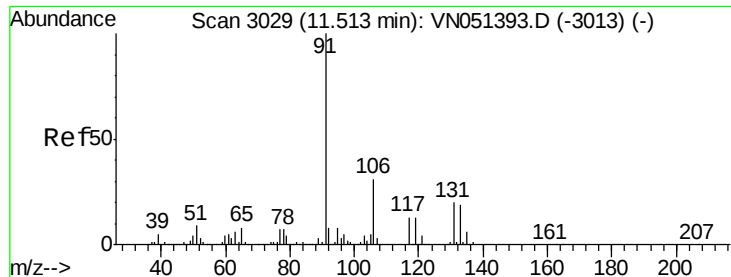


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

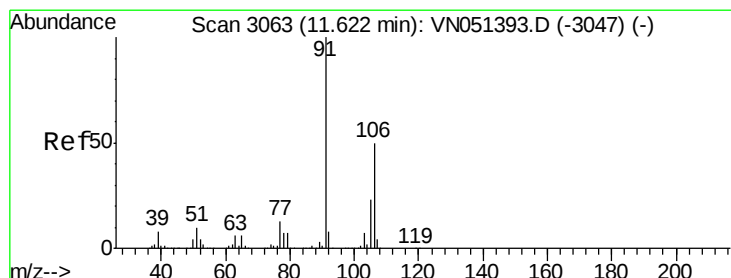
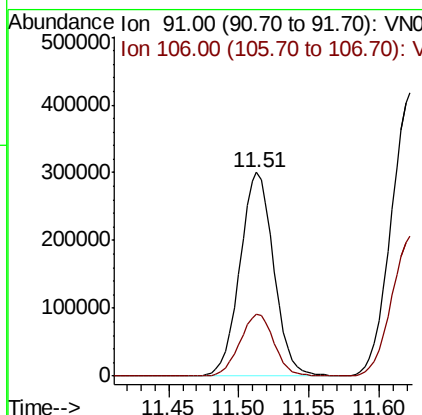
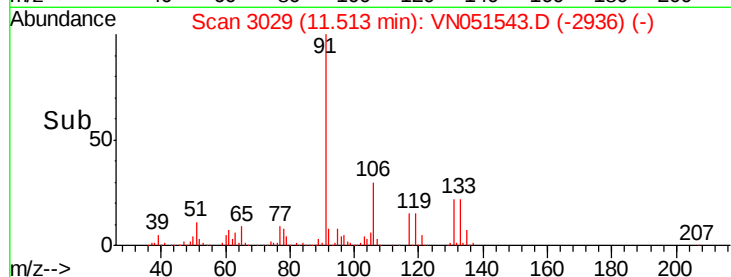
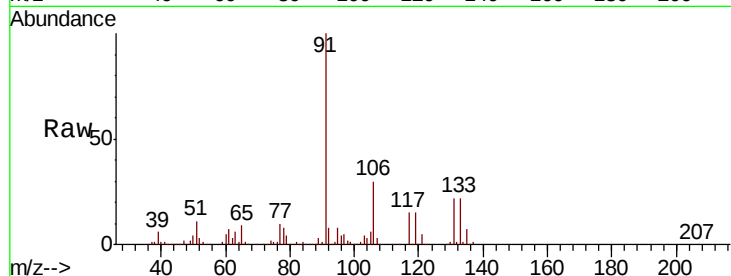




#67
Ethyl Benzene
Concen: 17.664 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

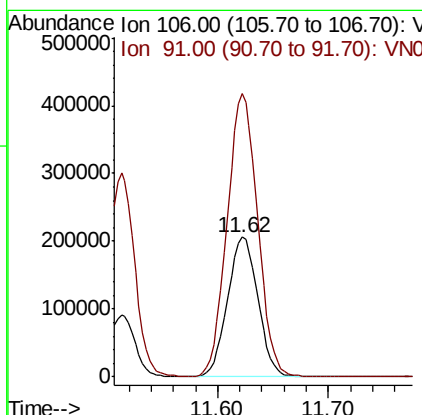
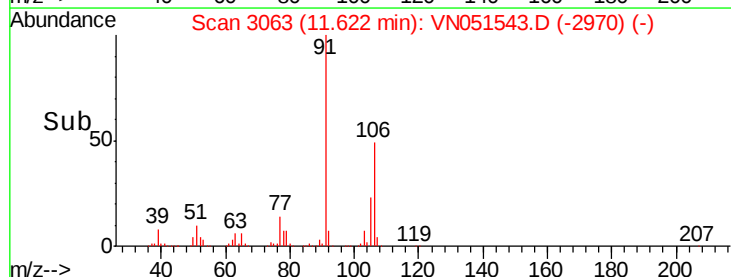
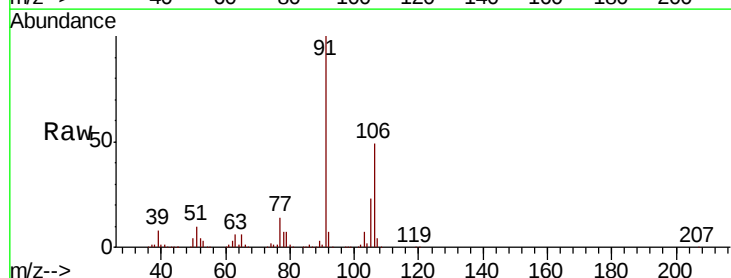
Instrument :
MSVOA_N
ClientSampled :
VN0927WBSD01

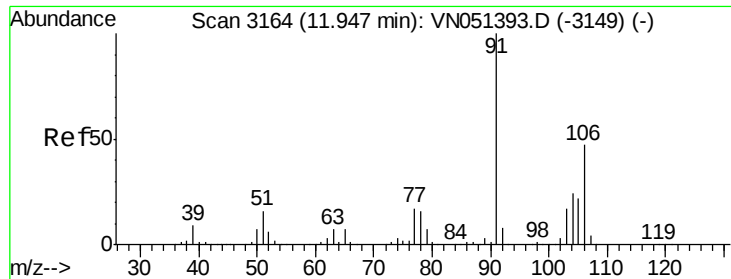
Tot Ion: 91 Resp: 503780
Ion Ratio Lower Upper
91 100
106 30.3 25.0 37.4



#68
m/p-Xylenes
Concen: 35.769 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Tgt Ion: 106 Resp: 394590
Ion Ratio Lower Upper
106 100
91 203.0 161.3 241.9

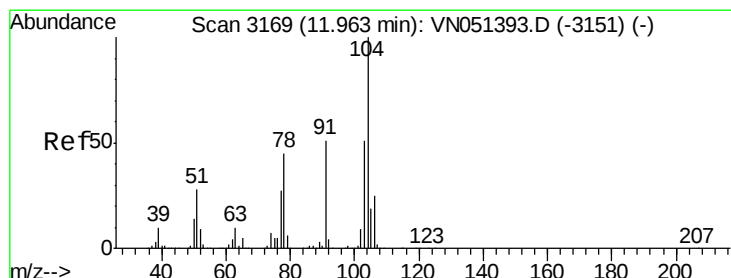
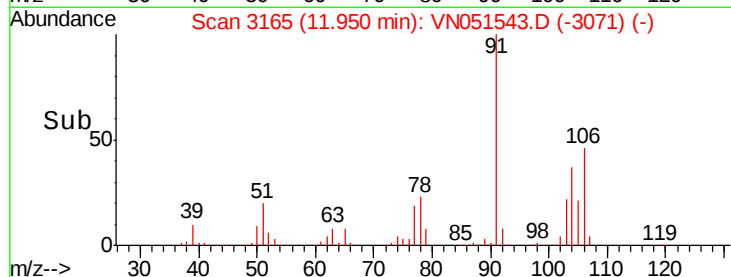
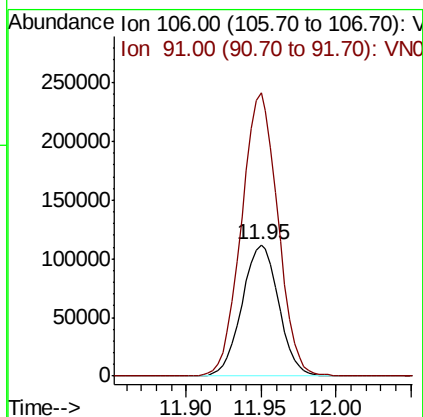
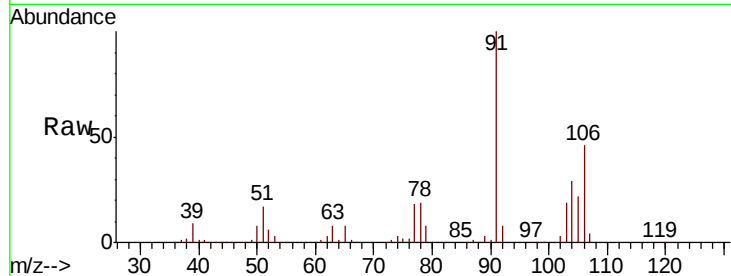




#69
o-Xylene
Concen: 17.973 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

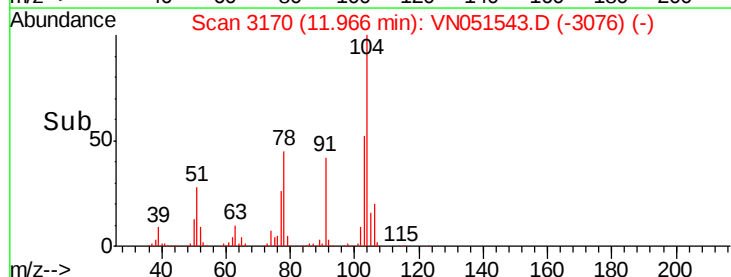
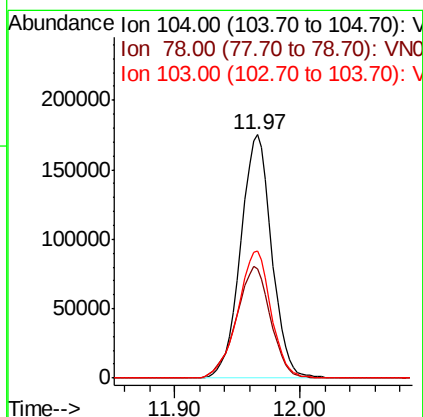
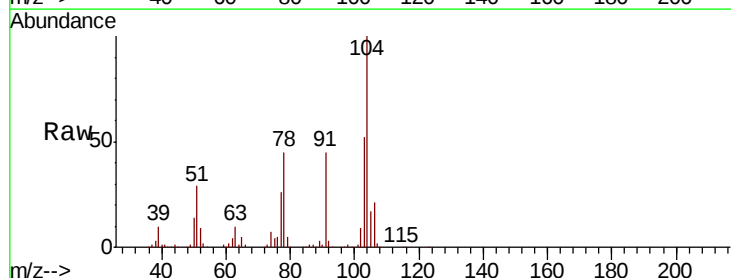
Instrument :
MSVOA_N
ClientSampleID :
VN0927WBSD01

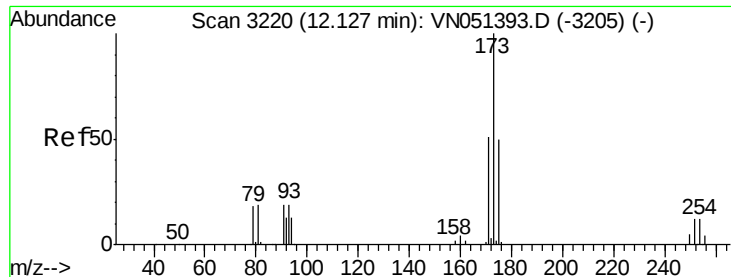
Tot Ion:106 Resp: 190610
Ion Ratio Lower Upper
106 100
91 214.6 105.3 315.9



#70
Styrene
Concen: 17.972 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Tgt Ion:104 Resp: 302013
Ion Ratio Lower Upper
104 100
78 50.5 39.9 59.9
103 56.0 44.6 66.8

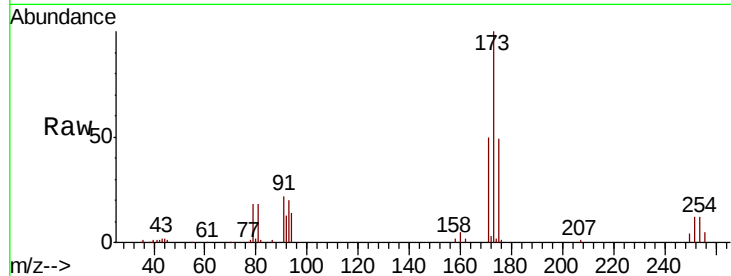




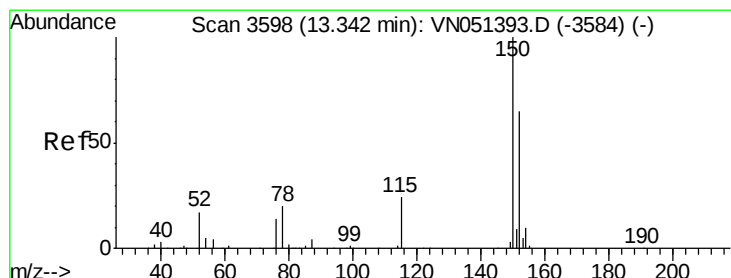
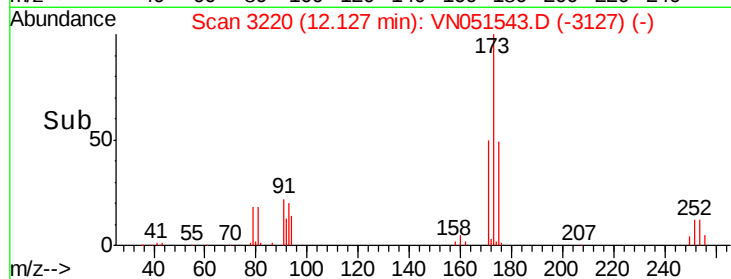
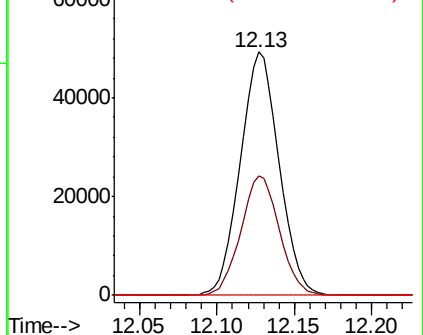
#71
Bromoform
Concen: 19.678 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

Tot Ion:173 Resp: 86091
Ion Ratio Lower Upper
173 100
175 48.6 24.8 74.3
254 0.0 0.2 0.2#

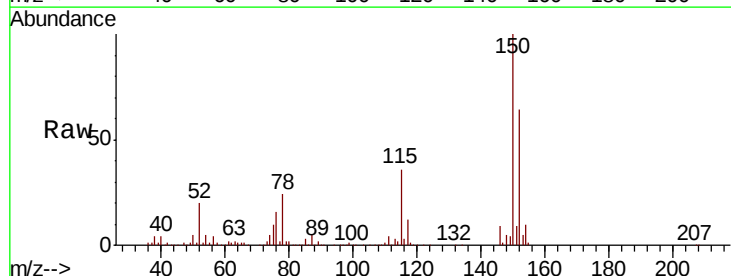


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

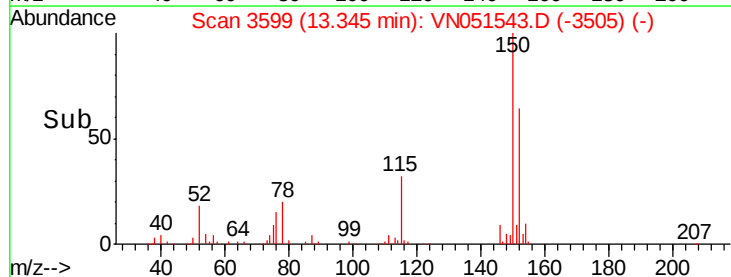
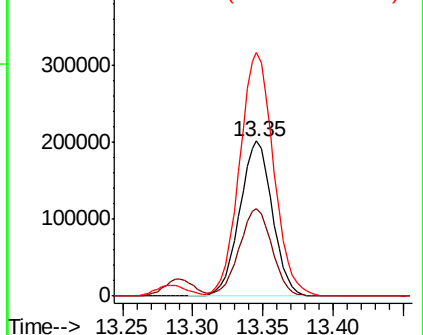


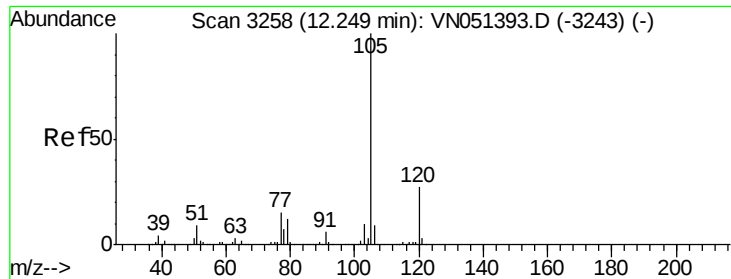
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Tgt Ion:152 Resp: 326552
Ion Ratio Lower Upper
152 100
115 56.5 28.3 84.9
150 163.6 0.0 353.6



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





#73

Isopropylbenzene

Concen: 18.405 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

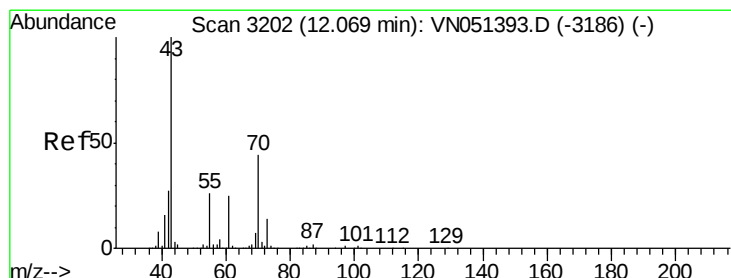
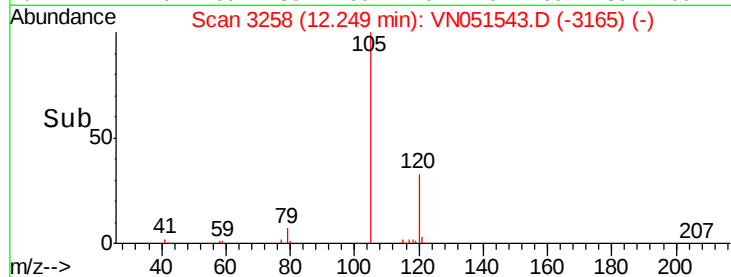
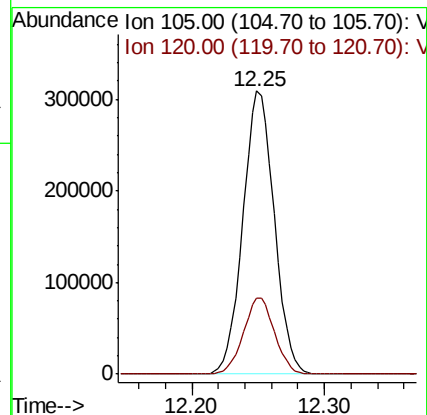
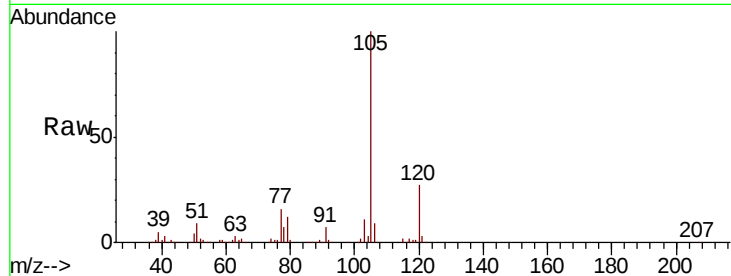
VN0927WBSD01

Tot Ion:105 Resp: 507092

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.8



#74

N-ethyl acetate

Concen: 22.257 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Tgt Ion: 43 Resp: 153862

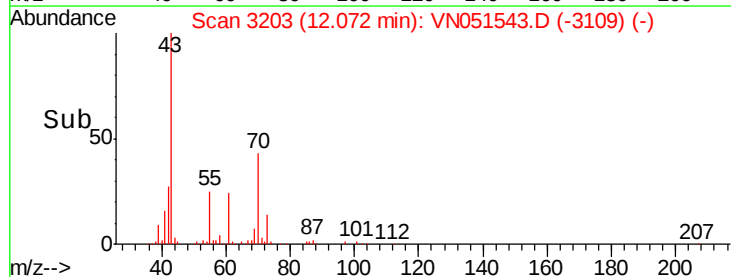
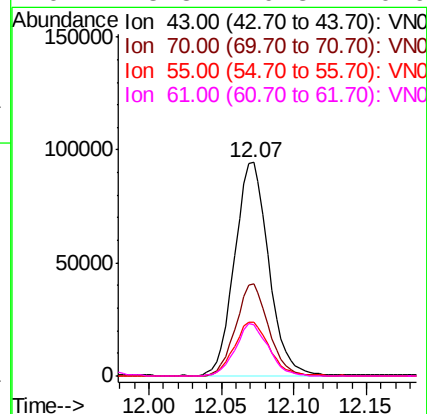
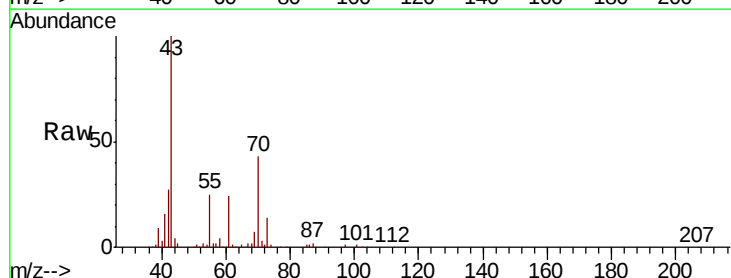
Ion Ratio Lower Upper

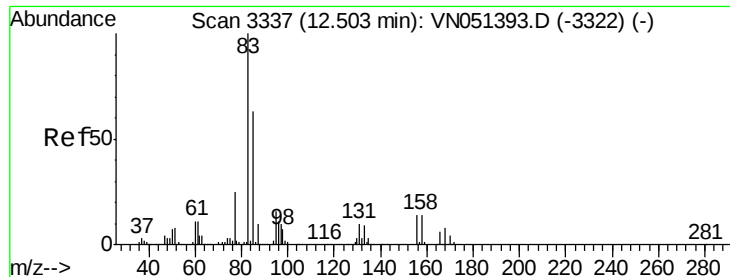
43 100

70 41.7 35.0 52.4

55 26.2 21.4 32.2

61 23.8 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.945 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

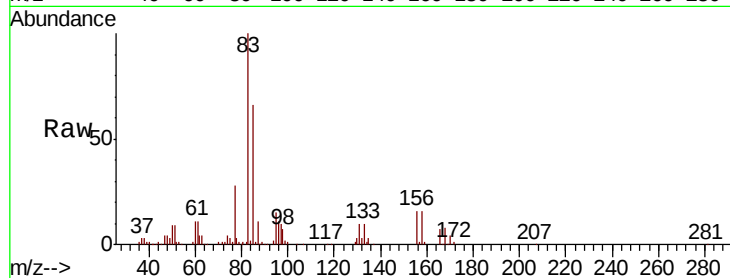
Tot Ion: 83 Resp: 147420

Ion Ratio Lower Upper

83 100

131 10.1 5.3 15.9

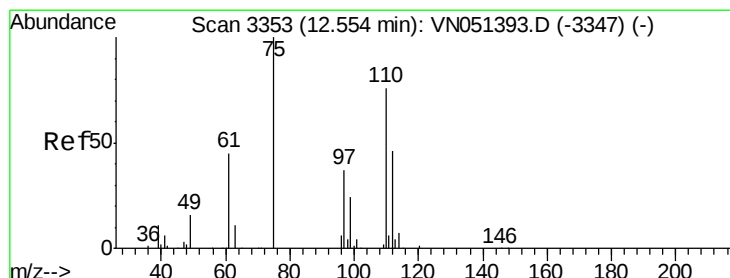
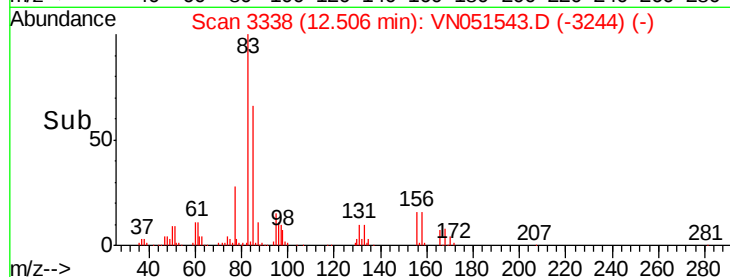
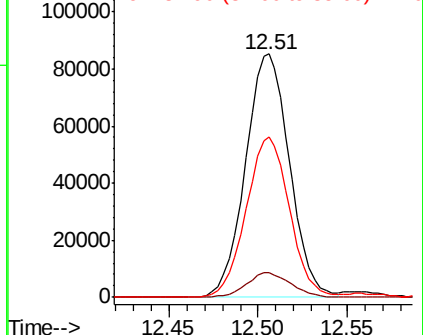
85 64.9 31.6 95.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 32.248 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051543.D

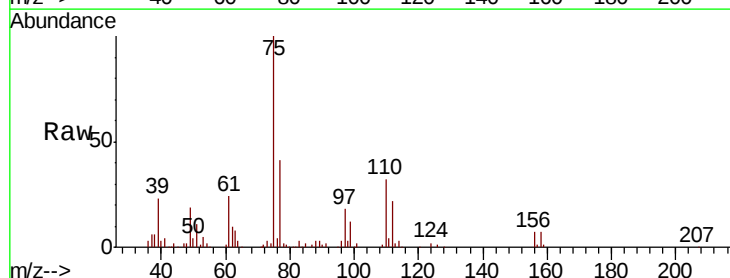
Acq: 26 Sep 2018 18:43

Tgt Ion: 75 Resp: 174817

Ion Ratio Lower Upper

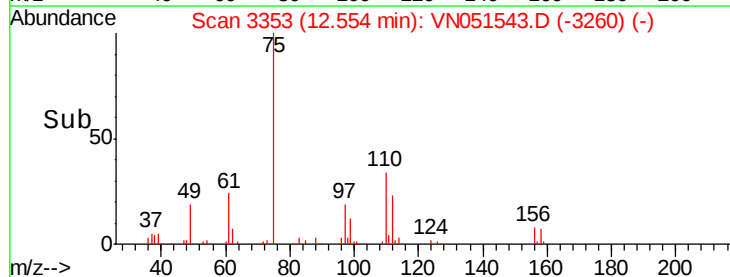
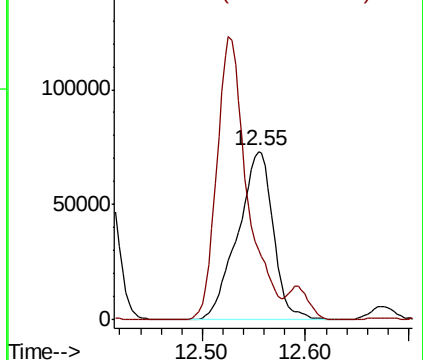
75 100

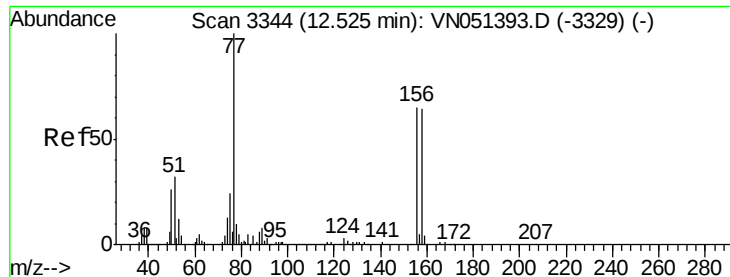
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 18.558 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

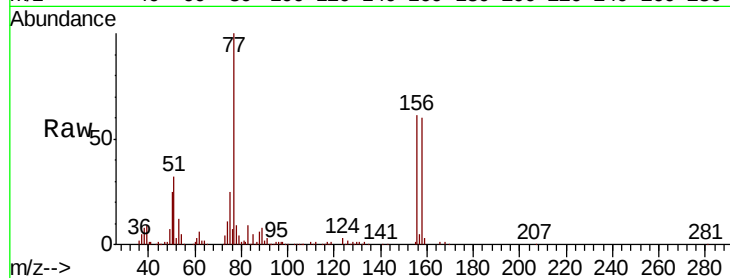
Tot Ion:156 Resp: 129442

Ion Ratio Lower Upper

156 100

77 195.0 89.5 268.4

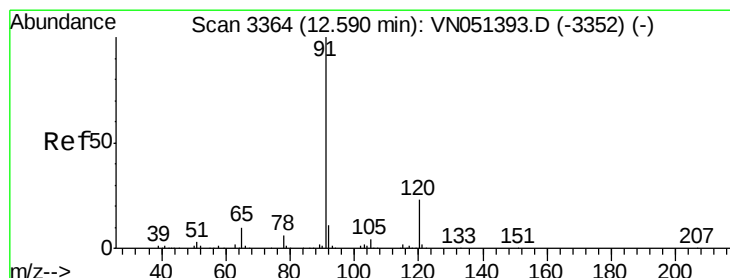
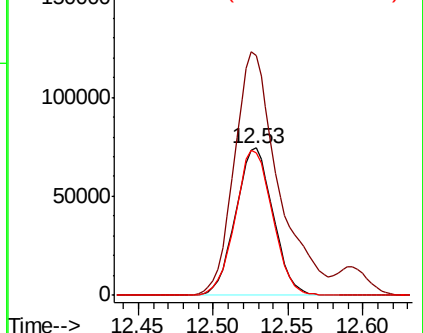
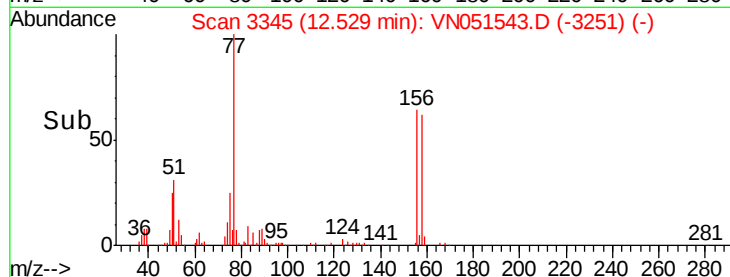
158 98.2 49.4 148.2



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: 18.527 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051543.D

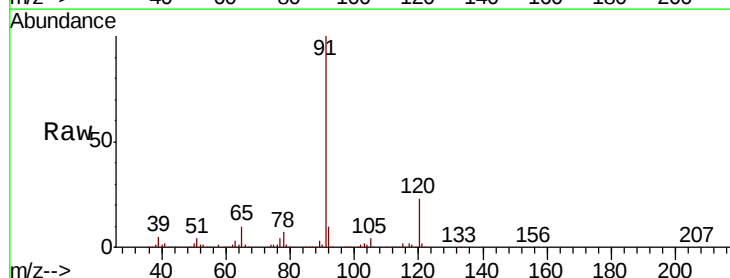
Acq: 26 Sep 2018 18:43

Tgt Ion: 91 Resp: 575303

Ion Ratio Lower Upper

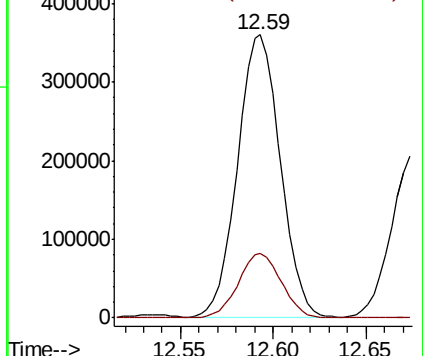
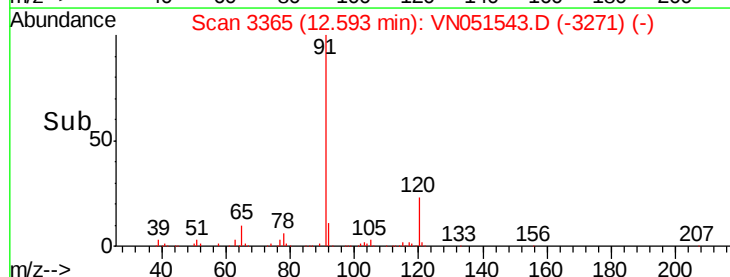
91 100

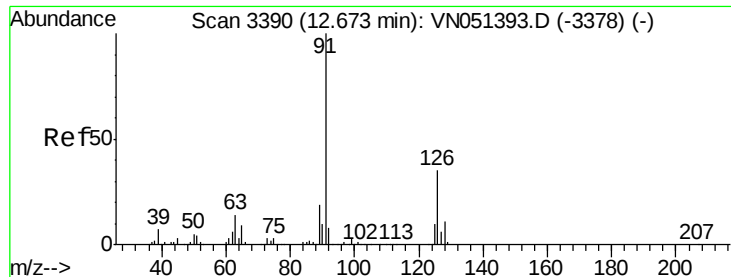
120 23.1 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.044 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

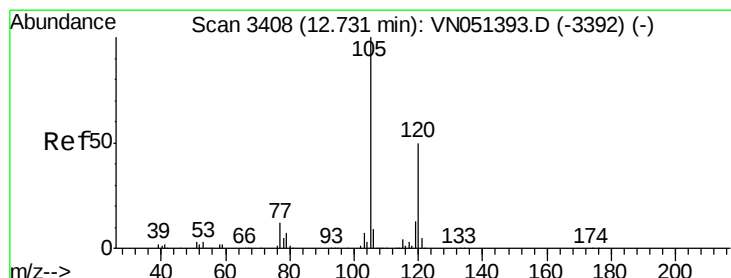
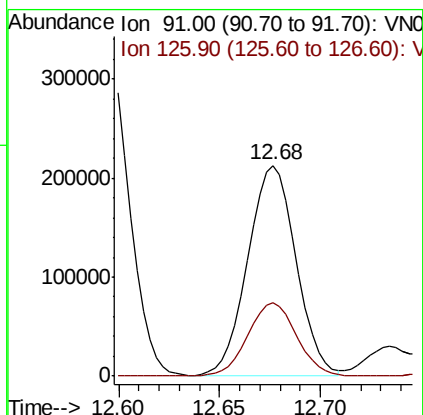
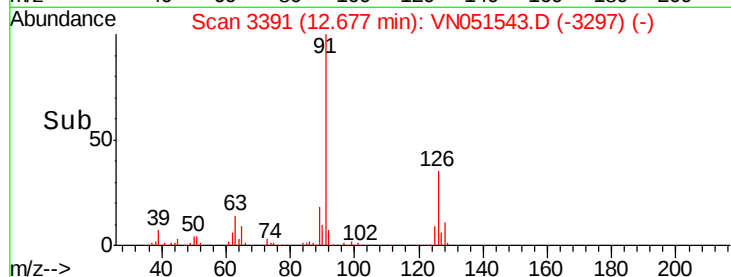
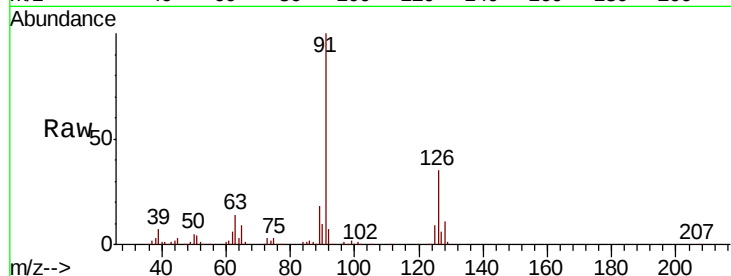
VN0927WBSD01

Tot Ion: 91 Resp: 353986

Ion Ratio Lower Upper

91 100

126 35.3 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 18.754 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051543.D

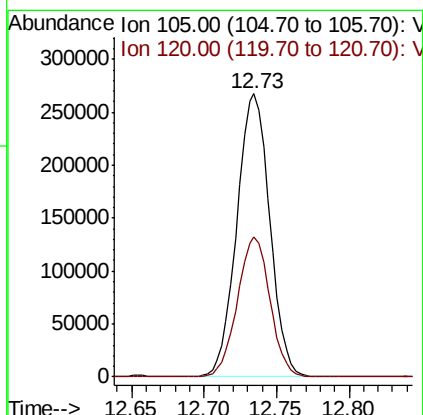
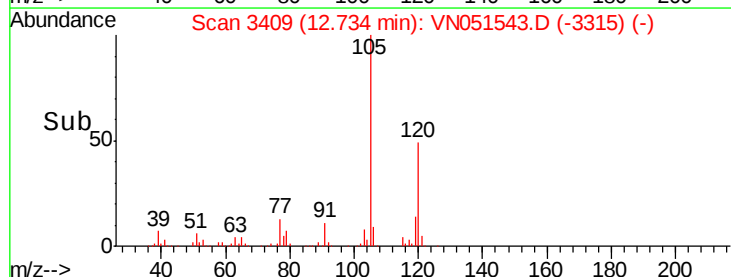
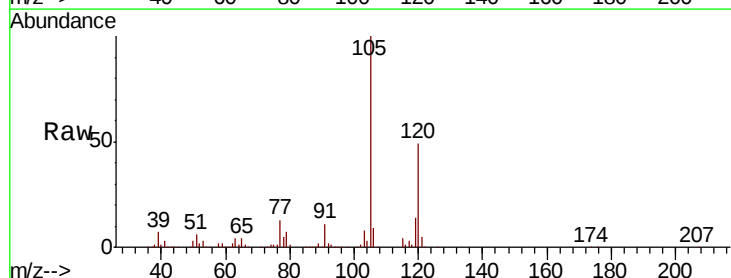
Acq: 26 Sep 2018 18:43

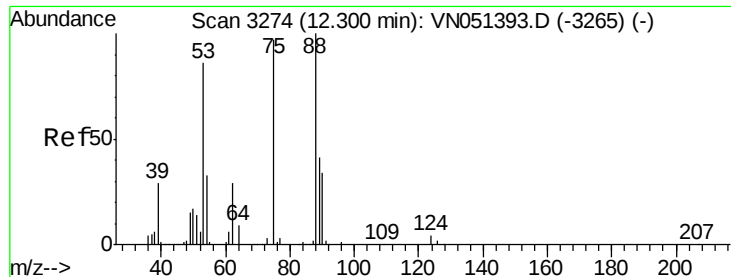
Tgt Ion: 105 Resp: 421339

Ion Ratio Lower Upper

105 100

120 49.0 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.409 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

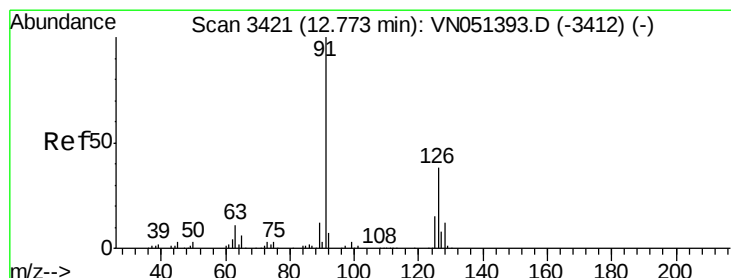
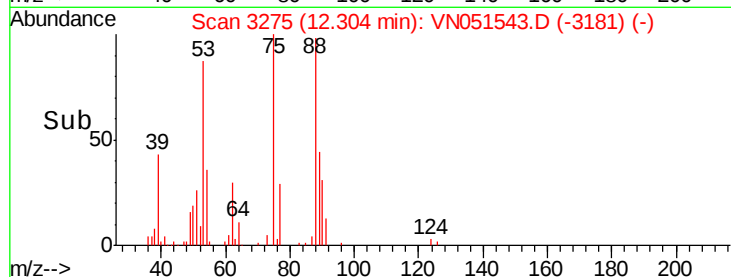
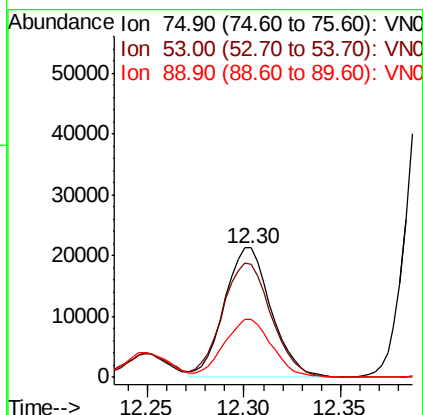
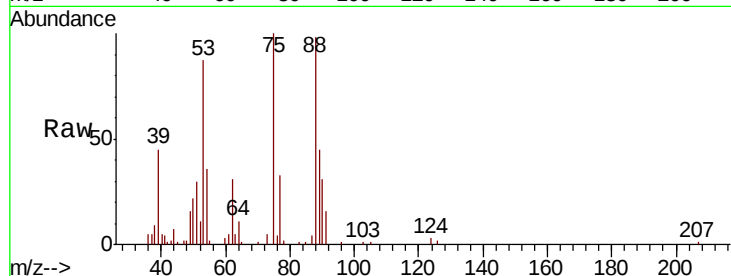
Tot Ion: 75 Resp: 35980

Ion Ratio Lower Upper

75 100

53 92.6 73.9 110.9

89 45.6 36.7 55.1



#82

4-Chlorotoluene

Concen: 19.018 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051543.D

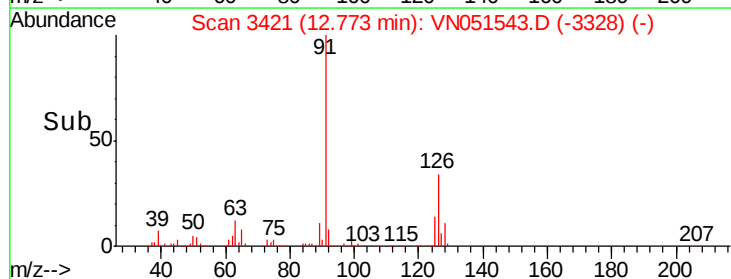
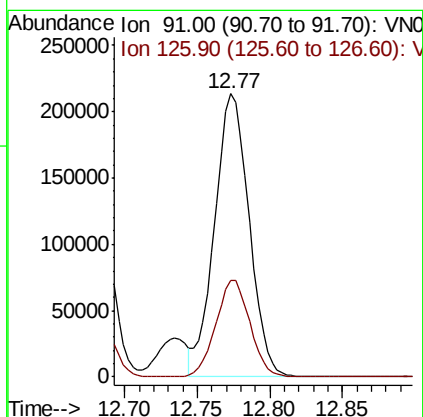
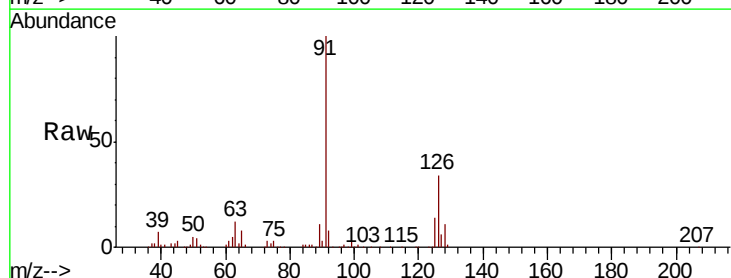
Acq: 26 Sep 2018 18:43

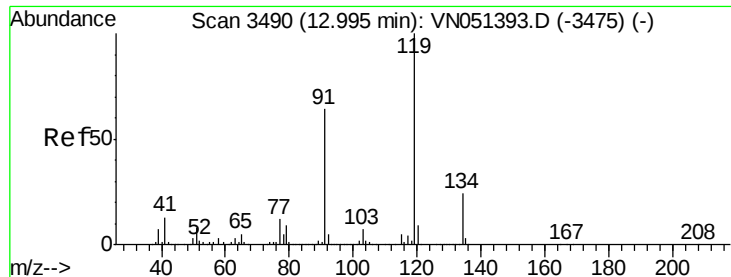
Tgt Ion: 91 Resp: 352820

Ion Ratio Lower Upper

91 100

126 33.7 17.5 52.5

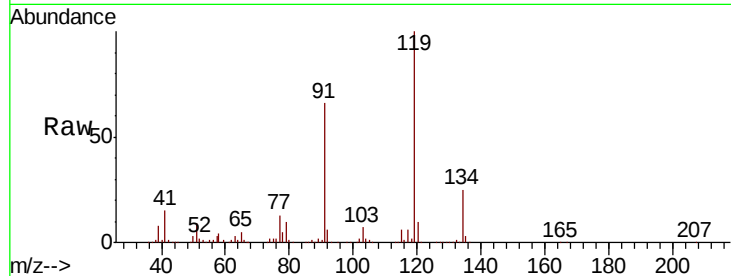




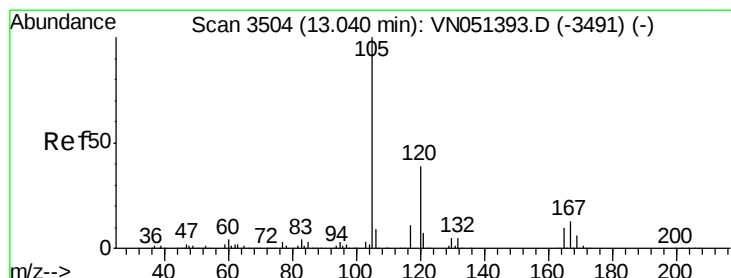
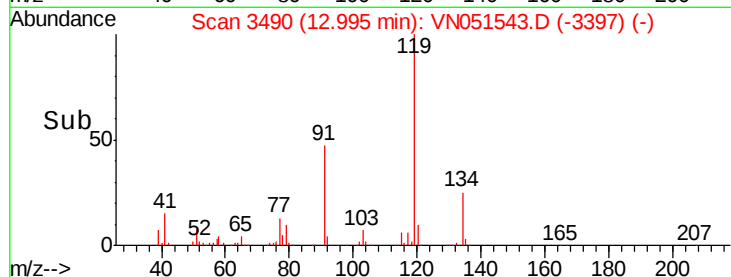
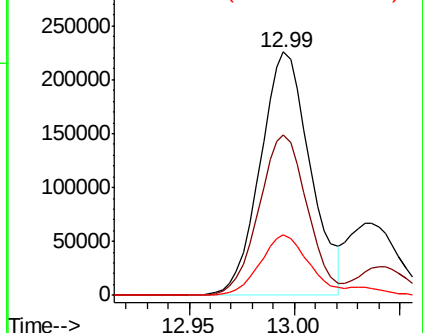
#83
 tert-Butylbenzene
 Concen: 18.580 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN051543.D
 Acq: 26 Sep 2018 18:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

Tot Ion:119 Resp: 371546
 Ion Ratio Lower Upper
 119 100
 91 64.4 31.7 95.1
 134 24.5 12.3 36.9

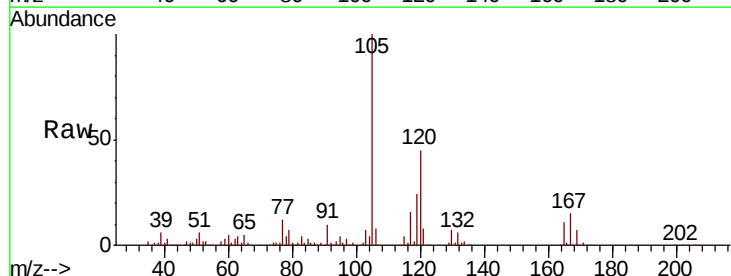


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

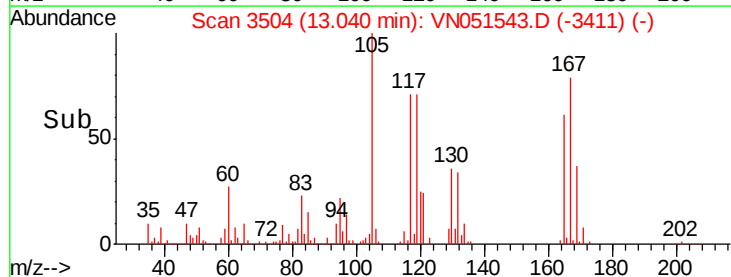
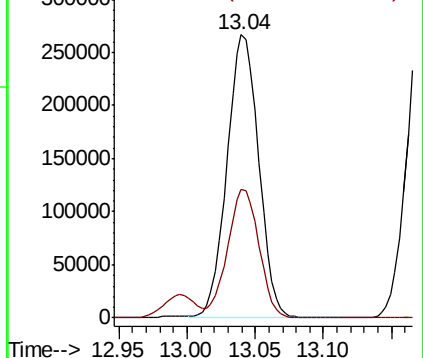


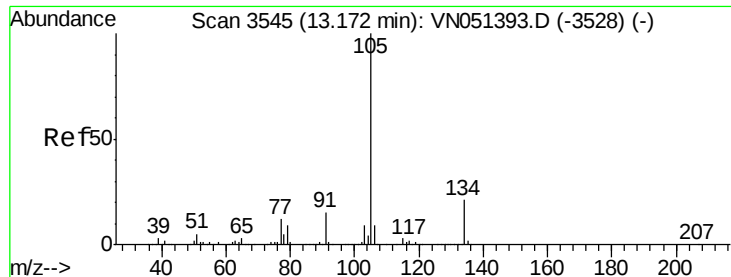
#84
 1,2,4-Trimethylbenzene
 Concen: 19.045 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051543.D
 Acq: 26 Sep 2018 18:43

Tgt Ion:105 Resp: 431148
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.9 68.7



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





#85

sec-Butylbenzene

Concen: 18.650 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

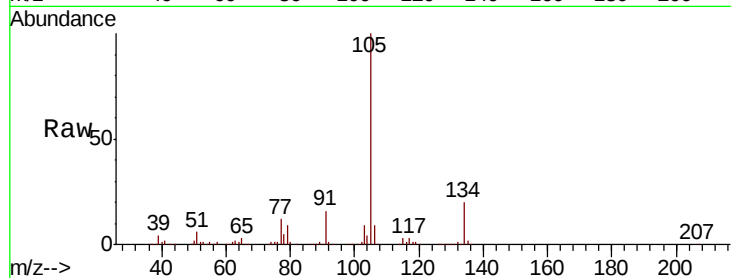
VN0927WBSD01

Tot Ion:105 Resp: 504524

Ion Ratio Lower Upper

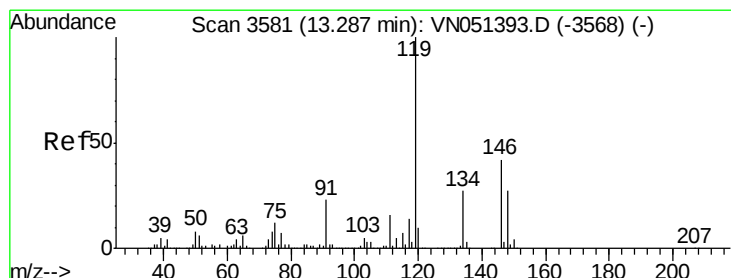
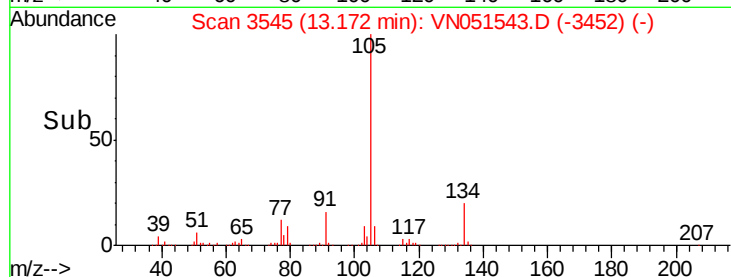
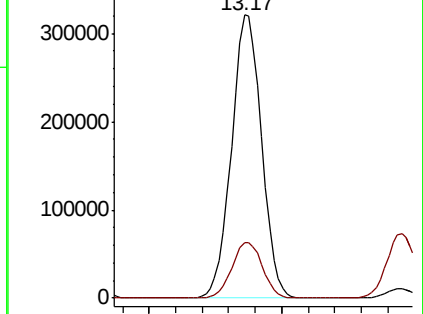
105 100

134 20.2 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.008 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

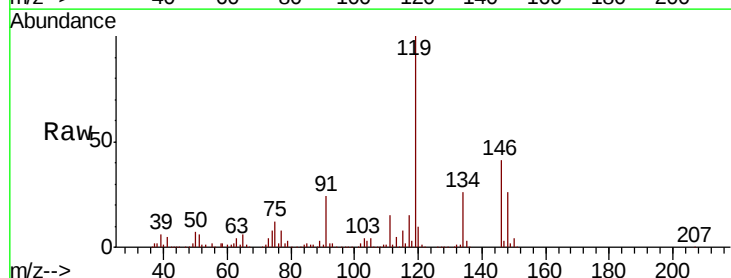
Tgt Ion:119 Resp: 421530

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

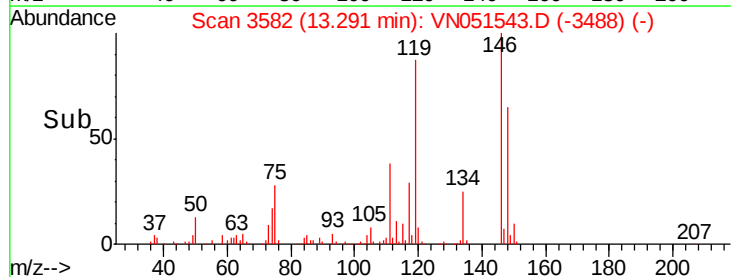
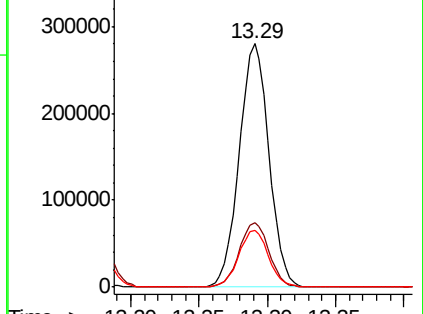
91 23.3 11.4 34.2

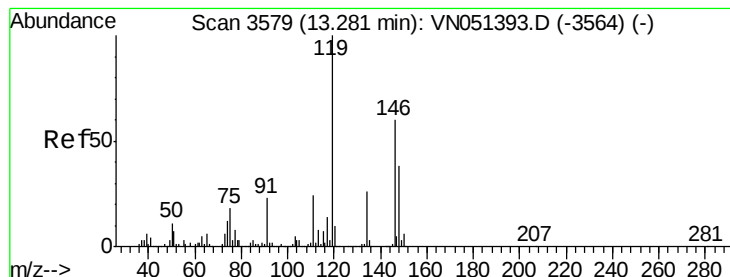


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 18.472 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

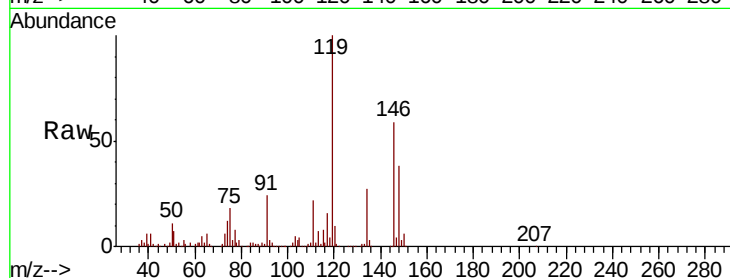
Tot Ion:146 Resp: 222961

Ion Ratio Lower Upper

146 100

111 38.6 19.7 59.1

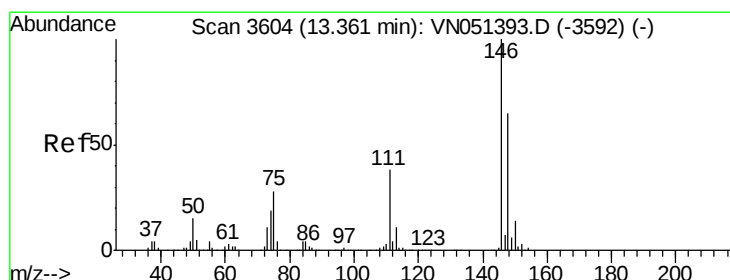
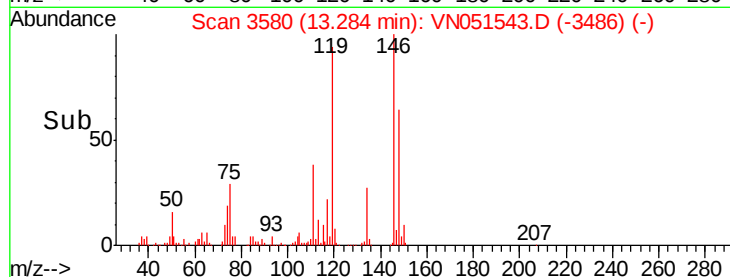
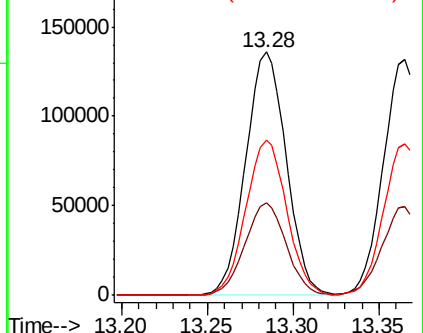
148 64.3 31.9 95.7



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



#88

1,4-Dichlorobenzene

Concen: 18.737 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

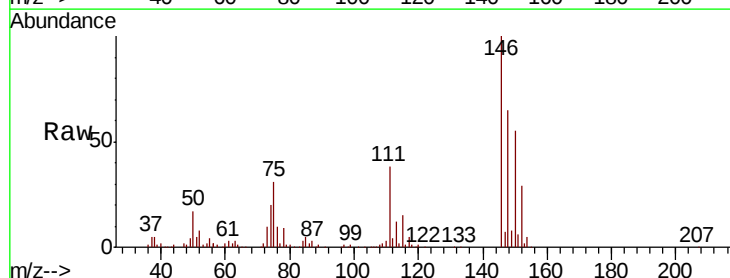
Tgt Ion:146 Resp: 217605

Ion Ratio Lower Upper

146 100

111 38.3 19.1 57.1

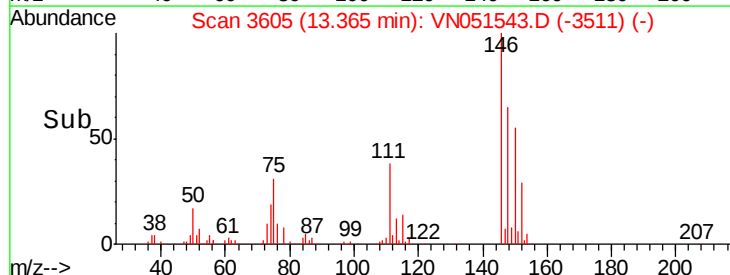
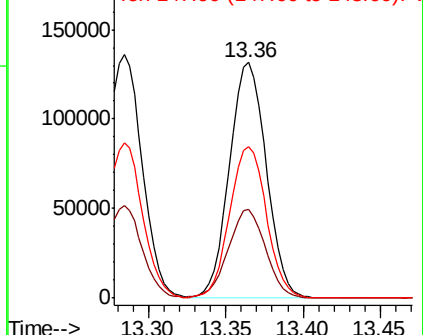
148 64.2 32.5 97.5

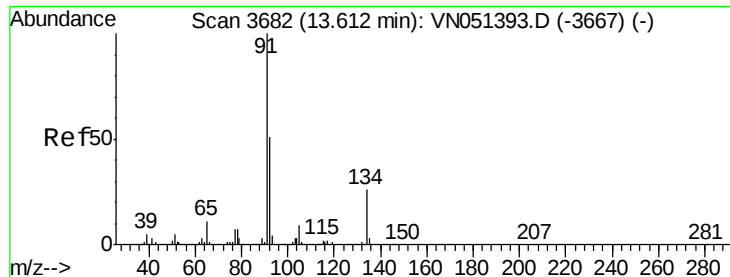


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 17.186 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

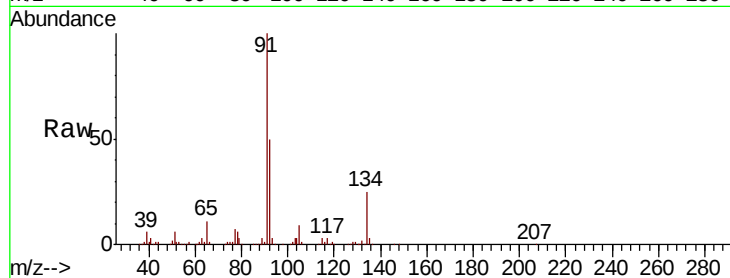
Tot Ion: 91 Resp: 330812

Ion Ratio Lower Upper

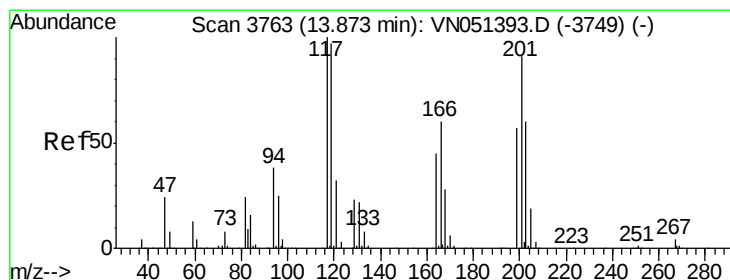
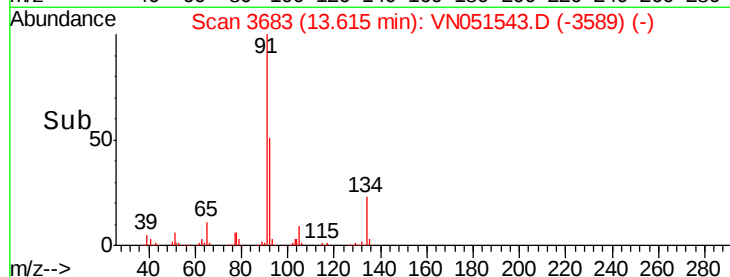
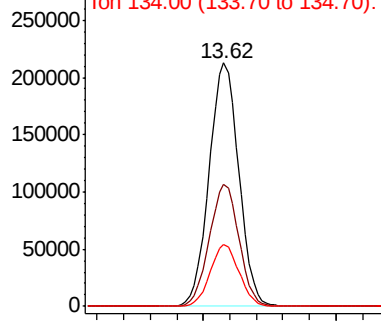
91 100

92 50.1 25.5 76.5

134 24.6 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VN051393.D (-3667) (-)



#90

Hexachloroethane

Concen: 18.544 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN051543.D

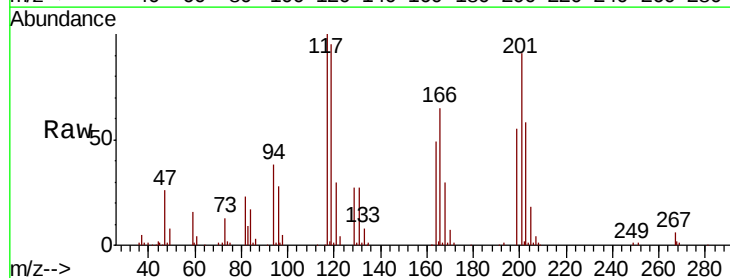
Acq: 26 Sep 2018 18:43

Tgt Ion: 117 Resp: 86492

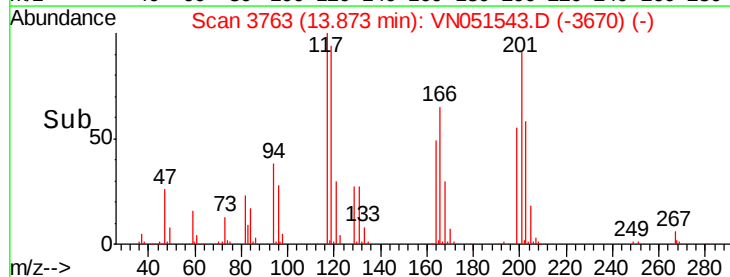
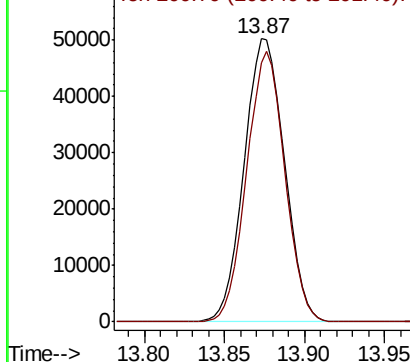
Ion Ratio Lower Upper

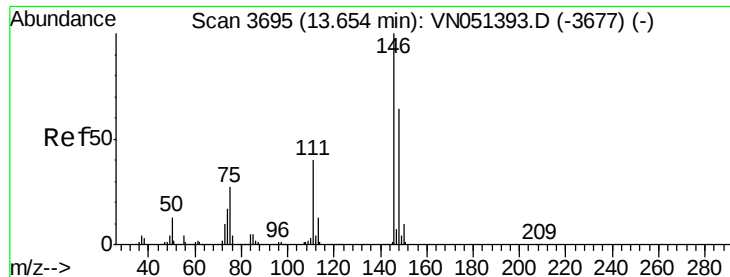
117 100

201 90.2 45.5 136.4



Abundance Ion 116.80 (116.50 to 117.50): VN051393.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 19.331 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampled :

VN0927WBSD01

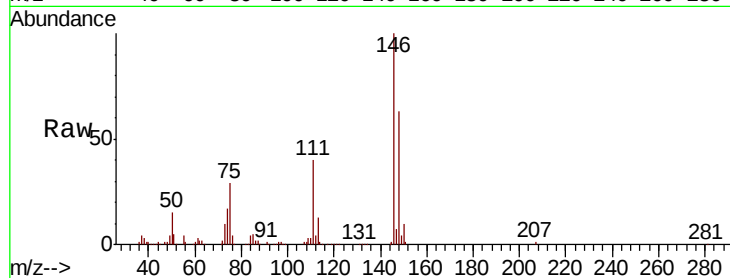
Tot Ion:146 Resp: 226392

Ion Ratio Lower Upper

146 100

111 40.0 20.0 60.0

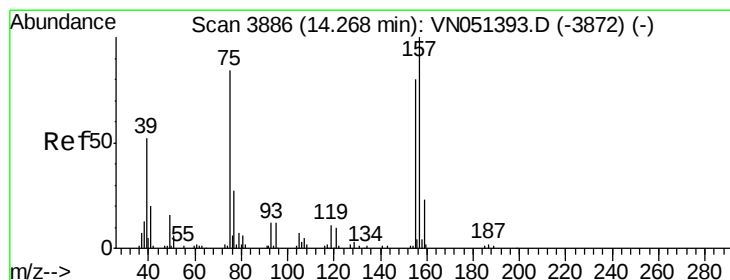
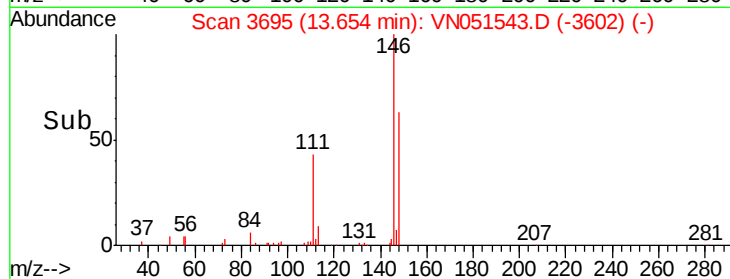
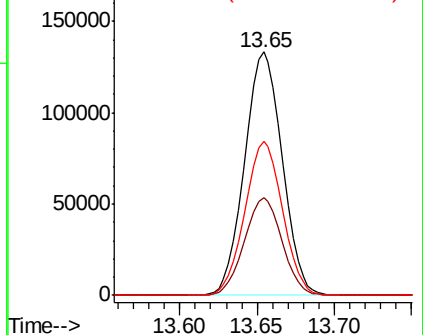
148 63.2 32.1 96.5



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: 24.115 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

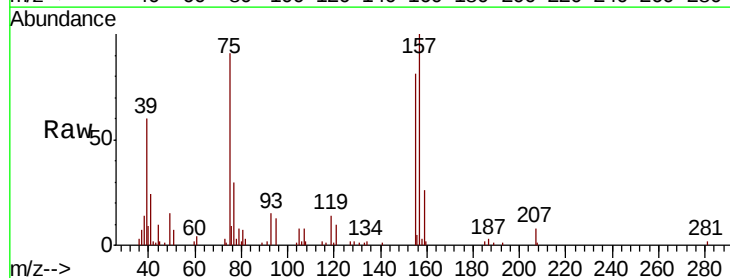
Tgt Ion: 75 Resp: 22111

Ion Ratio Lower Upper

75 100

155 88.1 46.9 140.6

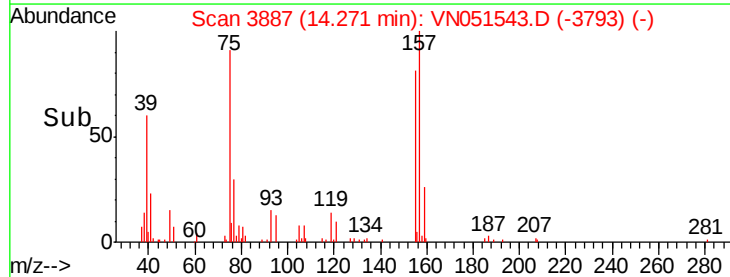
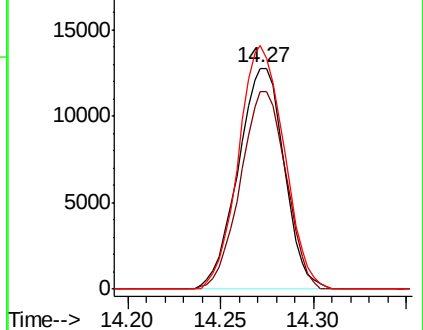
157 109.0 58.4 175.1

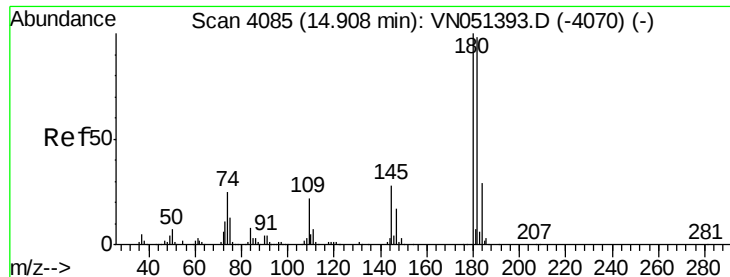


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

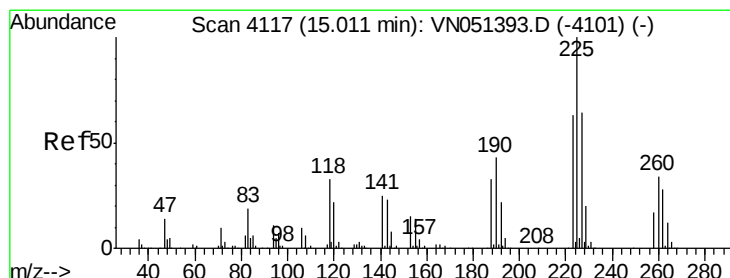
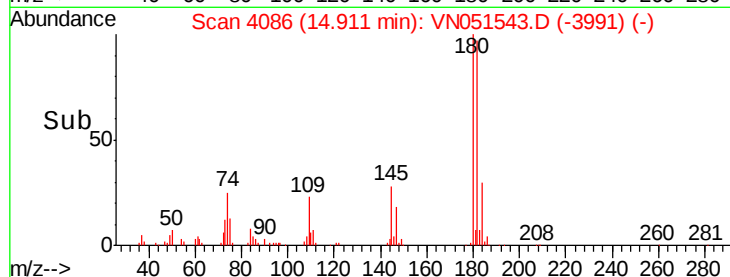
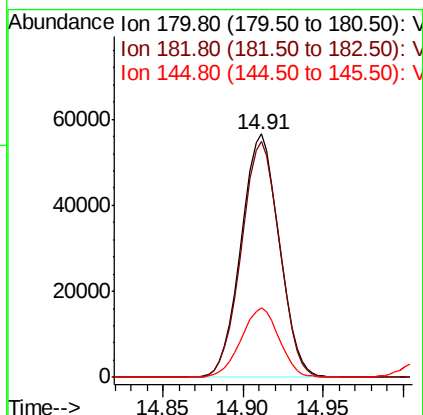
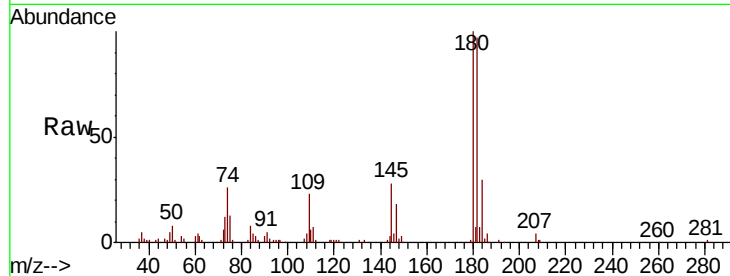




#93
 1,2,4-Trichlorobenzene
 Concen: 18.793 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051543.D
 Acq: 26 Sep 2018 18:43

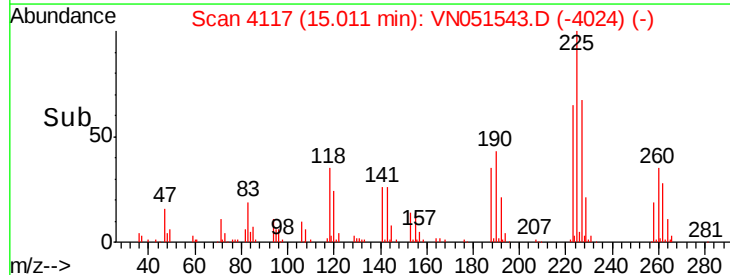
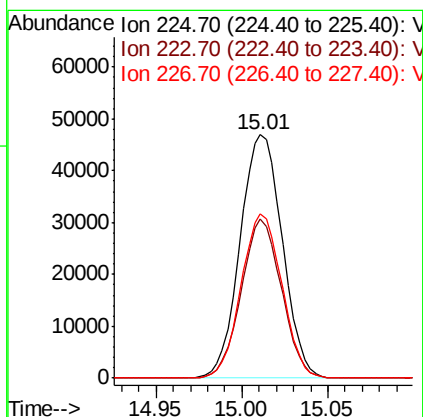
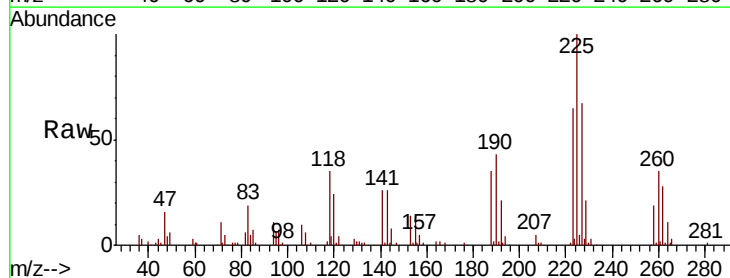
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

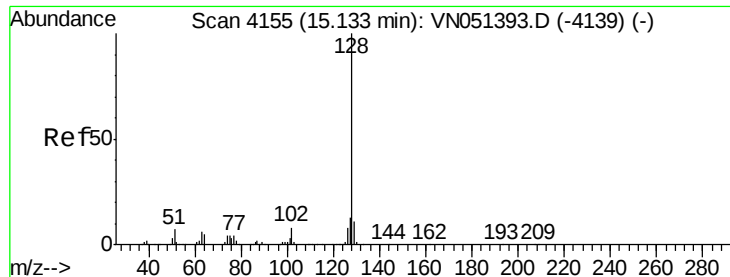
Tot Ion:180 Resp: 91881
 Ion Ratio Lower Upper
 180 100
 182 96.7 48.5 145.6
 145 28.5 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 18.064 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051543.D
 Acq: 26 Sep 2018 18:43

Tgt Ion:225 Resp: 80040
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.9 95.9
 227 65.1 32.5 97.5





#95

Naphthalene

Concen: 20.279 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampled :

VN0927WBSD01

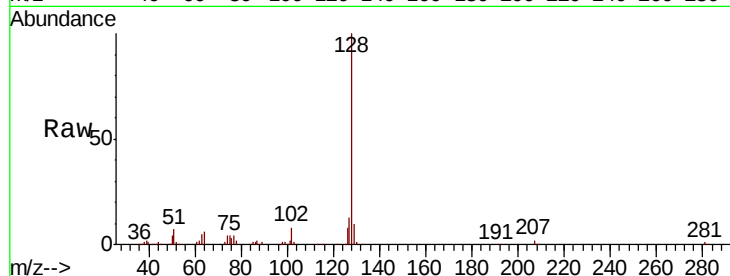
Tot Ion:128 Resp: 177033

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

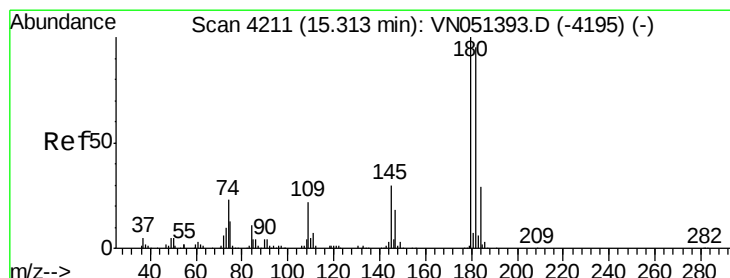
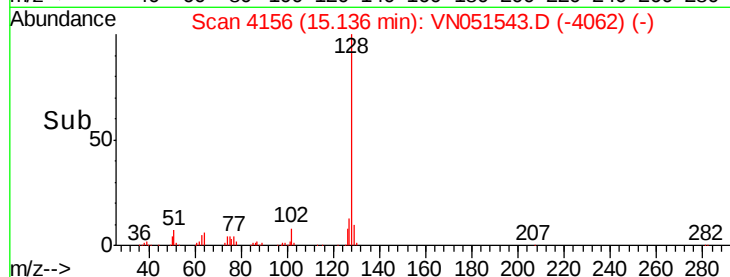
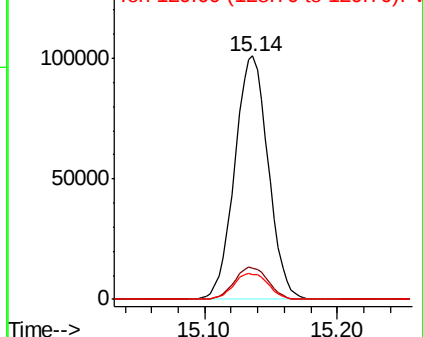
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.721 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

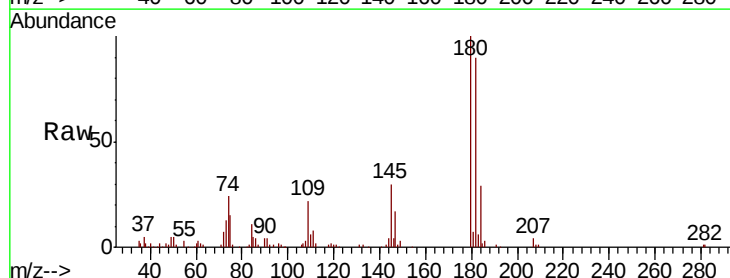
Tgt Ion:180 Resp: 99595

Ion Ratio Lower Upper

180 100

182 94.1 47.2 141.6

145 30.4 14.6 43.8



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

