

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111618\
 Data File : VN052358.D
 Acq On : 16 Nov 2018 12:20
 Operator : MD\SY
 Sample : VN1116WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD01

Quant Time: Nov 16 22:35:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:39:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	43245	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	253027	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	218818	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	111144	34.63	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	115.43%
60) 4-Bromofluorobenzene	12.40	95	101789	29.08	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.93%
63) Toluene-d8	10.09	98	312614	30.38	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	57751	19.995 ug/l	98
3) Chloromethane	2.06	50	63825	19.335 ug/l	96
4) Vinyl Chloride	2.19	62	58362	18.023 ug/l	98
5) Bromomethane	2.57	94	21994	9.951 ug/l	100
6) Chloroethane	2.71	64	32186	15.545 ug/l	98
7) Trichlorofluoromethane	3.03	101	84775	19.332 ug/l	95
8) Diethyl Ether	3.42	74	29264	19.765 ug/l	77
9) 1,1,2-Trichlorotrifluoroet	3.77	101	50825	19.831 ug/l	97
10) 1,1-Dichloroethene	3.74	96	44714	18.697 ug/l	95
11) Methyl Iodide	3.96	142	36559	10.573 ug/l	98
12) Methyl Acetate	4.33	43	47198	23.447 ug/l	99
13) Acrolein	3.61	56	17950	84.072 ug/l	98
14) Acrylonitrile	4.99	53	95565	107.056 ug/l	90
15) Acetone	3.82	58	21622	102.486 ug/l	81
16) Carbon Disulfide	4.06	76	110051	15.585 ug/l	99
17) Allyl chloride	4.33	41	88661	21.835 ug/l	95
18) Methylene Chloride	4.56	84	55945	18.953 ug/l	# 83
19) trans-1,2-Dichloroethene	5.05	96	48025	18.328 ug/l	96
20) Diisopropyl ether	5.95	45	205895	23.335 ug/l	93
21) 1,1-Dichloroethane	5.85	63	108678	21.076 ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	57261	18.714 ug/l	90
23) tert-Butyl Alcohol	4.78	59	16082	115.629 ug/l	100
24) Methyl tert-Butyl Ether	5.05	73	134364	19.818 ug/l	91
25) Chloroform	7.37	83	104820	20.245 ug/l	93
26) Cyclohexane	7.66	56	86956	18.812 ug/l	# 88
29) 1,1-Dichloropropene	7.80	75	76126	18.950 ug/l	98
30) 2-Butanone	6.84	43	118557	110.821 ug/l	# 78
31) 2,2-Dichloropropane	6.83	77	77649	18.764 ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	87911	19.559 ug/l	96
33) Carbon Tetrachloride	7.78	117	74601	18.663 ug/l	99
34) Benzene	8.04	78	217538	18.494 ug/l	# 93
35) Methacrylonitrile	7.17	41	26428	18.011 ug/l	# 77
36) 1,2-Dichloroethane	8.12	62	84906	21.589 ug/l	97
37) Trichloroethene	8.83	130	54969	18.672 ug/l	88
38) Methylcyclohexane	9.08	83	82020	16.737 ug/l	94
39) 1,2-Dichloropropane	9.12	63	64533	20.610 ug/l	94
40) Dibromomethane	9.21	93	36148	18.730 ug/l	96

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 Misc : 5.00mL/MSVOA N/WATER
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Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD01

Quant Time: Nov 16 22:35:24 2018
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:39:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	78130	19.786	ug/l	99
42) Vinyl Acetate	5.90	43	660042	105.389	ug/l	96
43) Ethyl Acetate	6.84	43	118557	22.052	ug/l #	86
44) Isopropyl Acetate	8.17	43	104400	23.454	ug/l #	89
45) 1,4-Dioxane	9.20	88	7997	393.815	ug/l #	62
46) Methyl methacrylate	9.20	41	53945	24.346	ug/l	89
47) n-amyl Acetate	12.07	43	81679	20.243	ug/l #	100
48) t-1,3-Dichloropropene	10.38	75	74058	18.887	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	86230	19.053	ug/l #	85
50) 1,1,2-Trichloroethane	10.56	97	49156	19.261	ug/l	96
51) Ethyl methacrylate	10.43	69	62614	18.984	ug/l	78
52) 1,3-Dichloropropane	10.71	76	86623	19.486	ug/l	98
53) Dibromochloromethane	10.90	129	52259	18.968	ug/l	94
54) 1,2-Dibromoethane	11.00	107	48473	18.730	ug/l	96
55) 2-Chloroethyl vinyl ether	9.69	63	188109	104.149	ug/l	98
56) Bromoform	12.12	173	28799	18.098	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	275419	117.462	ug/l	94
59) 2-Hexanone	10.75	43	176009	109.022	ug/l	95
61) Tetrachloroethene	10.63	164	54887	23.064	ug/l	95
62) Toluene	10.16	91	233693	19.025	ug/l	100
64) Chlorobenzene	11.43	112	142085	18.251	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	53039	20.017	ug/l	100
66) Ethyl Benzene	11.51	91	253483	19.104	ug/l	96
67) m/p-Xylenes	11.62	106	184555	36.129	ug/l	96
68) o-Xylene	11.95	106	91192	18.724	ug/l	100
69) Styrene	11.96	104	146567	18.676	ug/l	97
70) Isopropylbenzene	12.25	105	246451	18.850	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	56750	19.734	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	74931	29.635	ug/l	50
73) Bromobenzene	12.53	156	56859	19.627	ug/l	94
74) n-propylbenzene	12.59	91	288124	18.925	ug/l	98
75) 2-Chlorotoluene	12.67	91	168241	19.167	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	202107	19.278	ug/l	97
77) t-1,4-Dichloro-2-butene	12.30	75	13110	16.571	ug/l	85
78) 4-Chlorotoluene	12.77	91	168201	19.029	ug/l	97
79) tert-butylbenzene	12.99	119	172650	18.906	ug/l	96
80) 1,2,4-Trimethylbenzene	13.04	105	200874	19.233	ug/l	100
81) sec-Butylbenzene	13.17	105	243586	19.382	ug/l	99
82) p-Isopropyltoluene	13.29	119	201719	18.993	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	99238	19.366	ug/l	97
84) 1,4-Dichlorobenzene	13.36	146	96763	19.075	ug/l	98
85) n-Butylbenzene	13.61	91	170732	18.573	ug/l	99
86) Hexachloroethane	13.87	117	35427	19.766	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	96728	19.868	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	8614	21.906	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	41912	21.207	ug/l	99
90) Hexachlorobutadiene	15.01	225	24067	22.259	ug/l	98
91) Naphthalene	15.13	128	90675	19.906	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	38150	22.149	ug/l	97

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Misc : 5.00mL/MSVOA N/WATER
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Instrument :
MSVOA_N
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VN1116WBSD01

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 02 05:39:38 2018
Response via : Initial Calibration

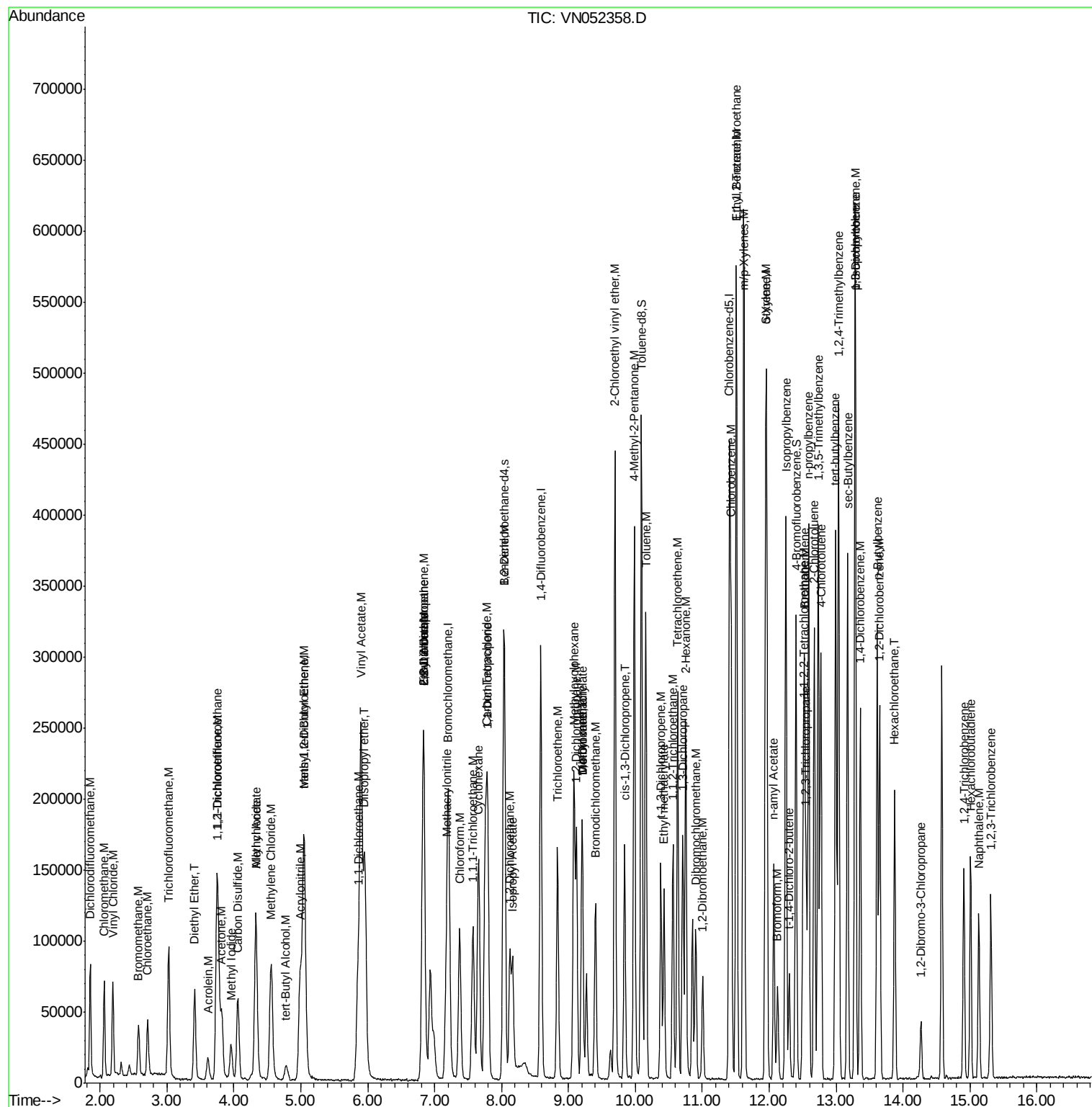
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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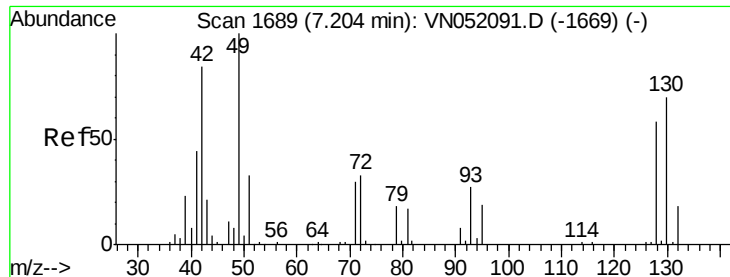
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111618\
Data File : VN052358.D
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Sample : VN1116WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

Quant Time: Nov 16 22:35:24 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N110118W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 02 05:39:38 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.01 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

ClientSampled :

VN1116WBSD01

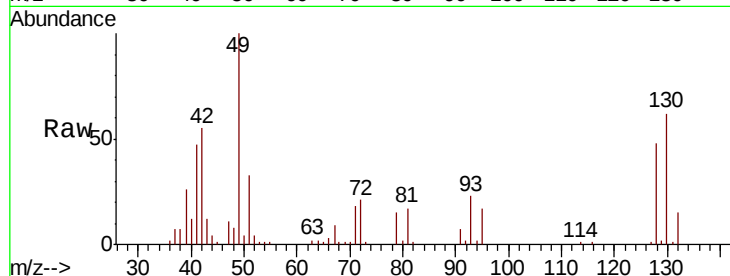
Tot Ion:128 Resp: 43245

Ion Ratio Lower Upper

128 100

49 209.4 0.0 453.7

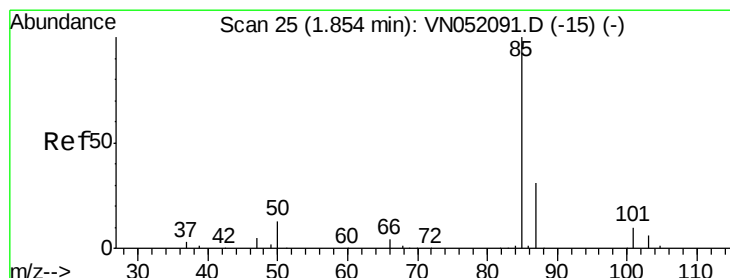
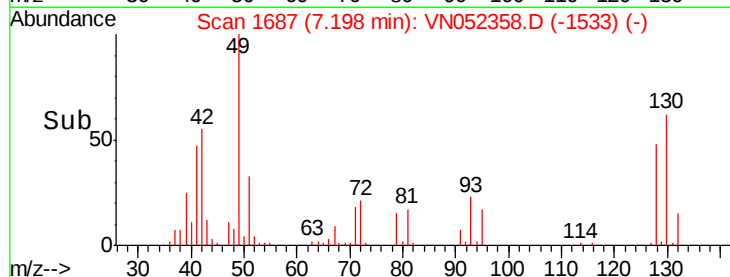
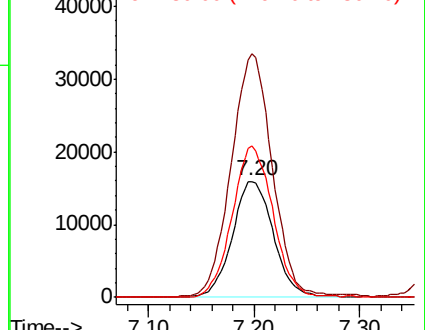
130 129.2 0.0 308.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.995 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052358.D

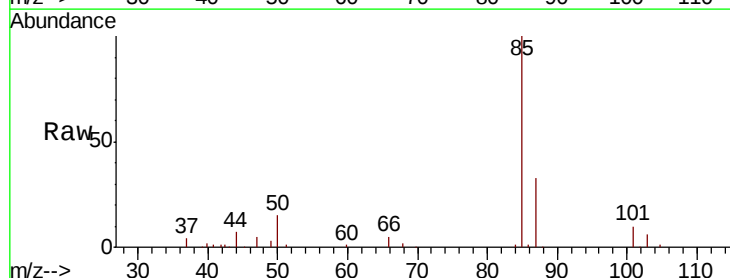
Acq: 16 Nov 2018 12:20

Tgt Ion: 85 Resp: 57751

Ion Ratio Lower Upper

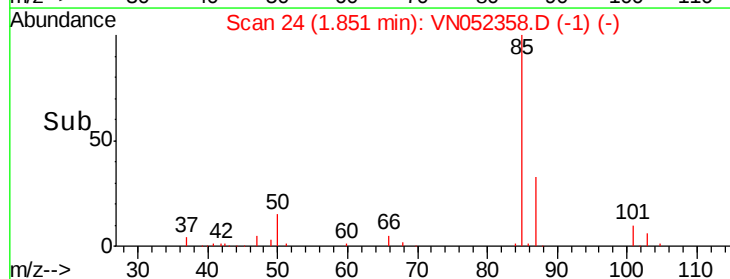
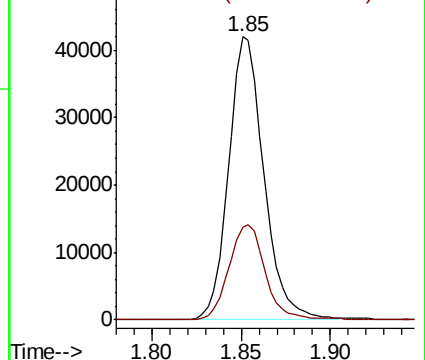
85 100

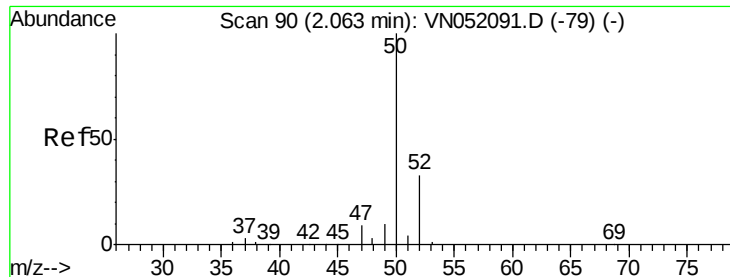
87 32.6 15.7 47.1



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 19.335 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

ClientSampleId :

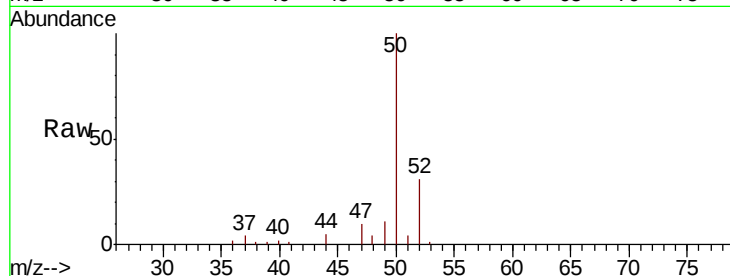
VN1116WBSD01

Tot Ion: 50 Resp: 63825

Ion Ratio Lower Upper

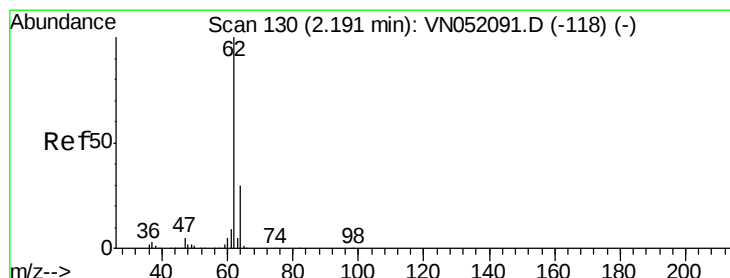
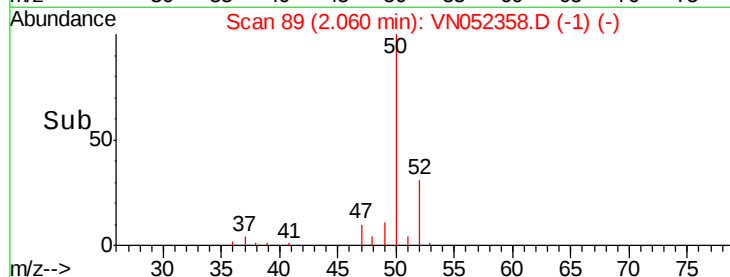
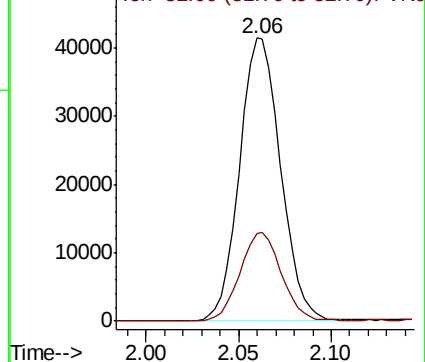
50 100

52 30.8 26.5 39.7



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 18.023 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052358.D

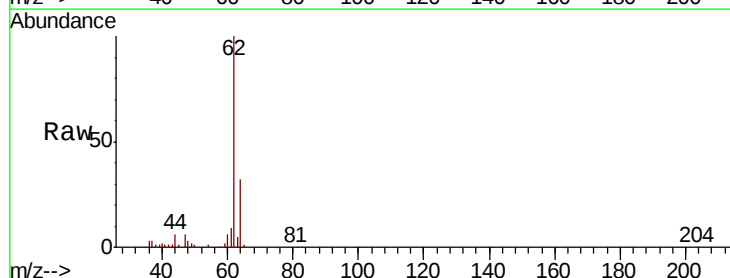
Acq: 16 Nov 2018 12:20

Tgt Ion: 62 Resp: 58362

Ion Ratio Lower Upper

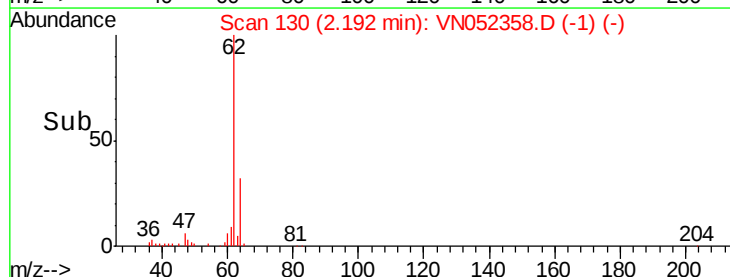
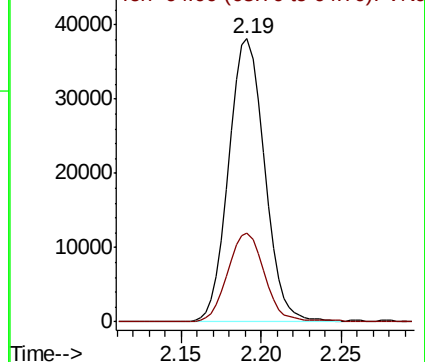
62 100

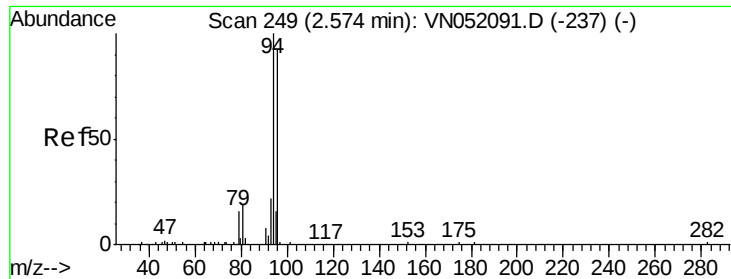
64 31.5 24.2 36.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 9.951 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

ClientSampled :

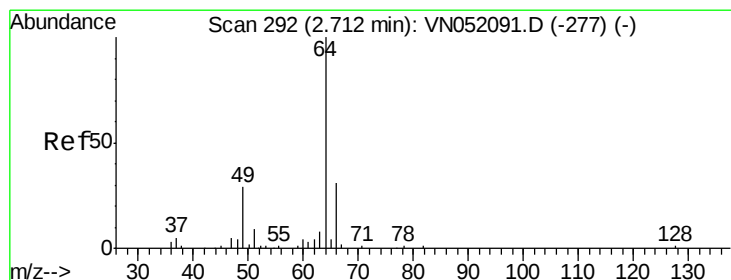
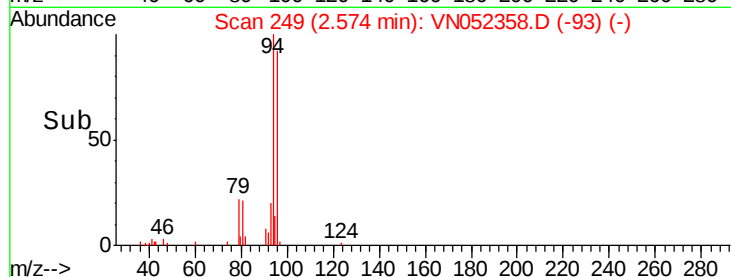
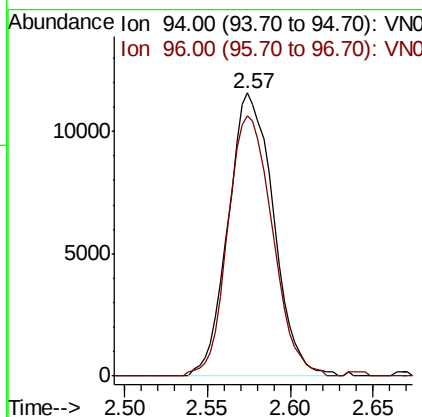
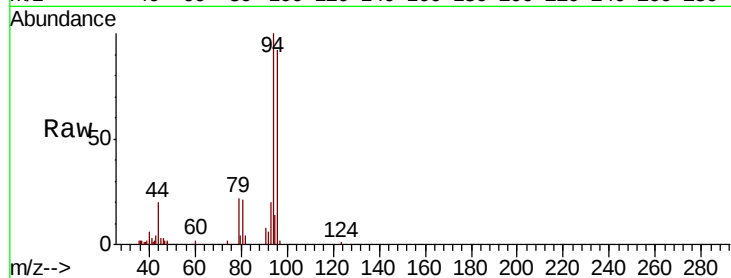
VN1116WBSD01

Tot Ion: 94 Resp: 21994

Ion Ratio Lower Upper

94 100

96 91.9 73.4 110.0



#6

Chloroethane

Concen: 15.545 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052358.D

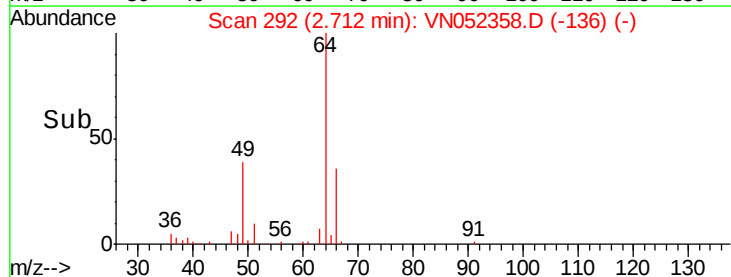
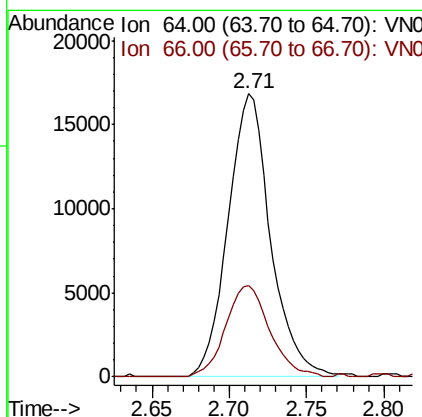
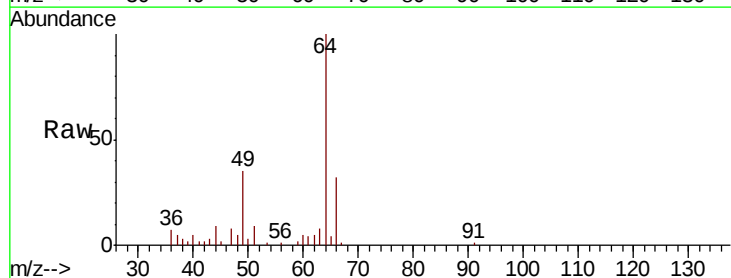
Acq: 16 Nov 2018 12:20

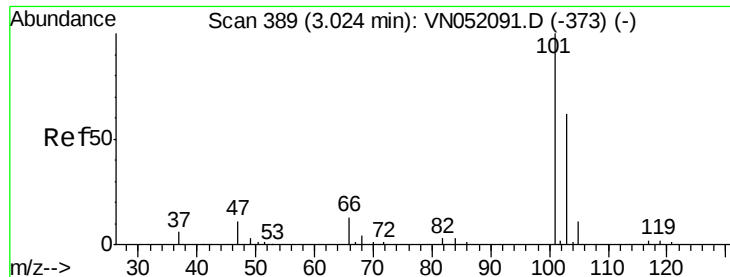
Tgt Ion: 64 Resp: 32186

Ion Ratio Lower Upper

64 100

66 32.3 24.7 37.1



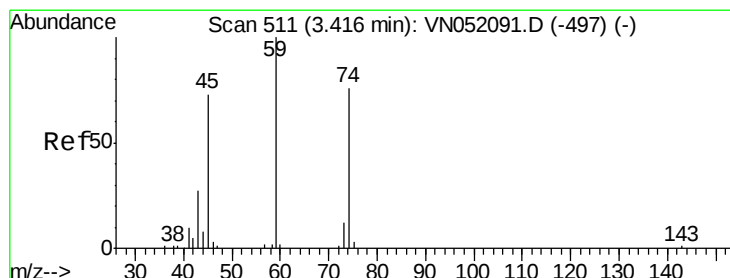
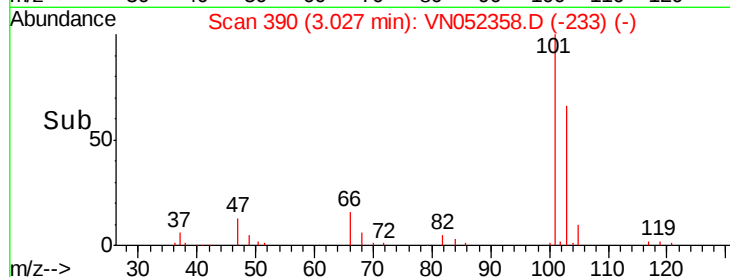
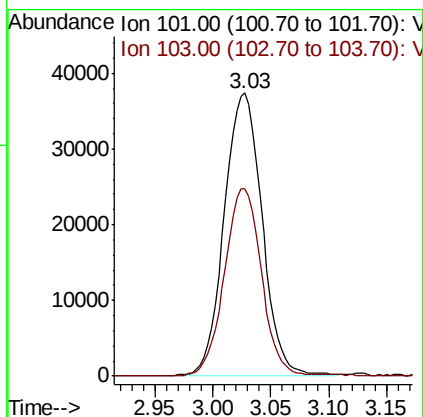
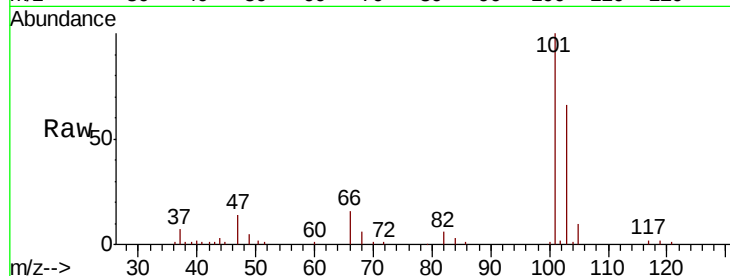


#7

Trichlorofluoromethane
 Concen: 19.332 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD01

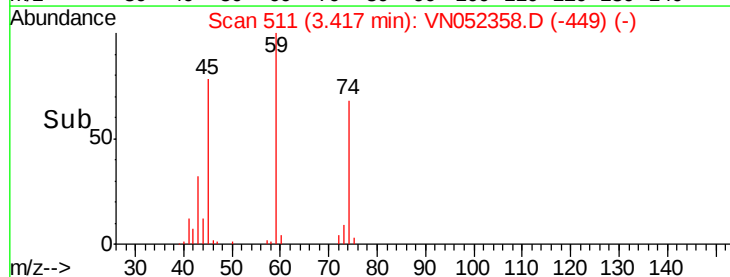
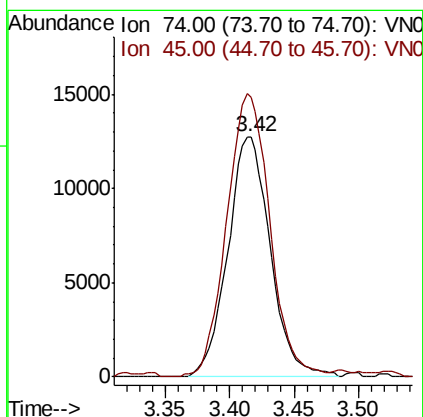
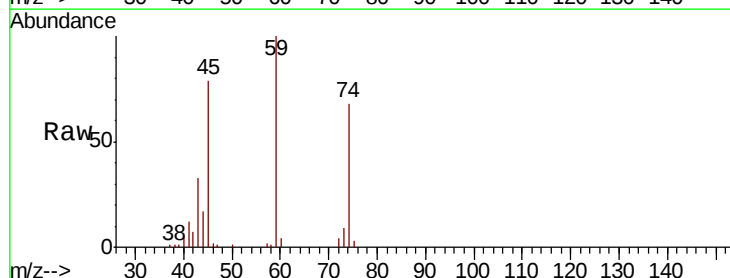
Tot Ion:101 Resp: 84775
 Ion Ratio Lower Upper
 101 100
 103 66.1 49.5 74.3

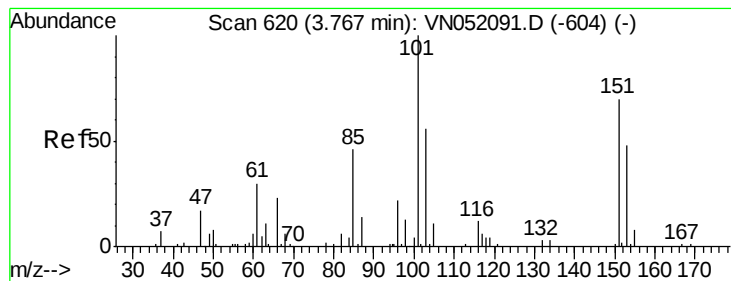


#8

Diethyl Ether
 Concen: 19.765 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

Tgt Ion: 74 Resp: 29264
 Ion Ratio Lower Upper
 74 100
 45 119.1 19.4 174.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.831 ug/l

RT: 3.77 min Scan# 621

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD01

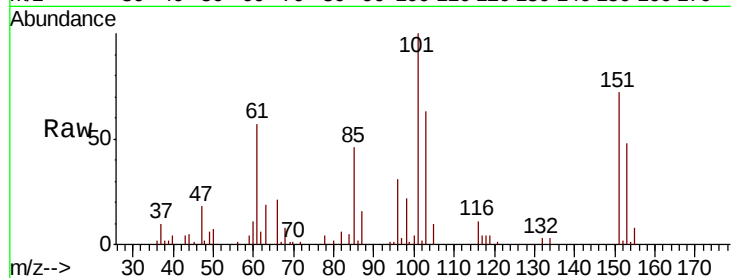
Tot Ion:101 Resp: 50825

Ion Ratio Lower Upper

101 100

85 47.1 0.0 98.0

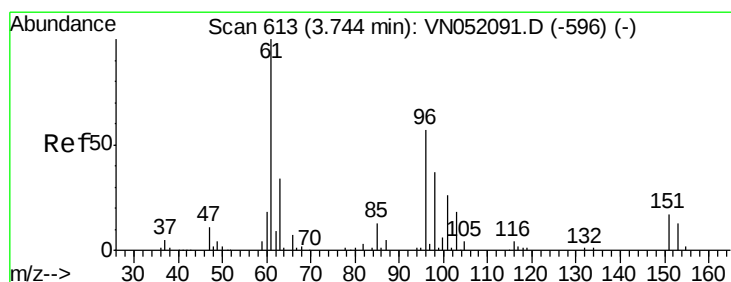
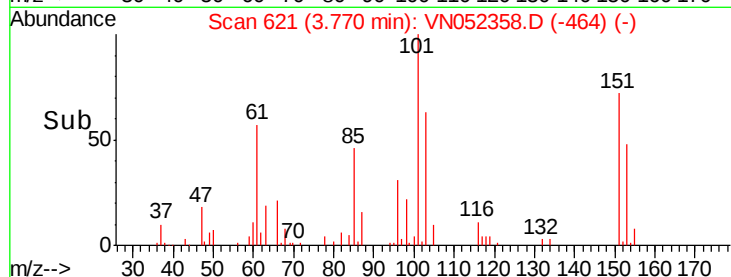
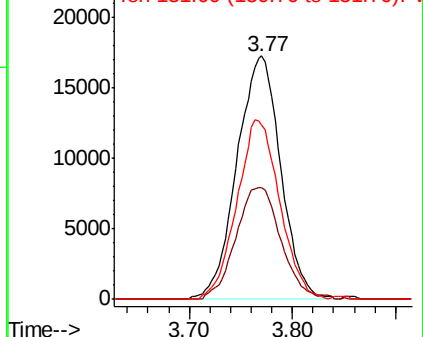
151 72.2 0.0 139.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 18.697 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

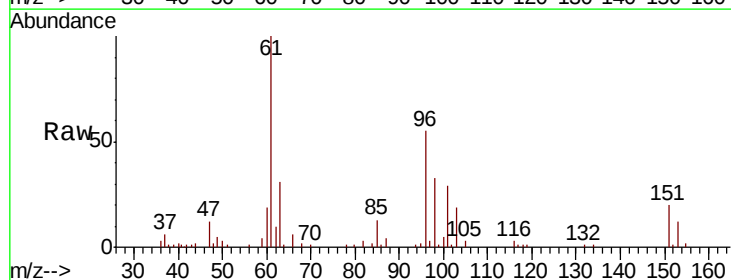
Tgt Ion: 96 Resp: 44714

Ion Ratio Lower Upper

96 100

61 181.9 140.3 210.5

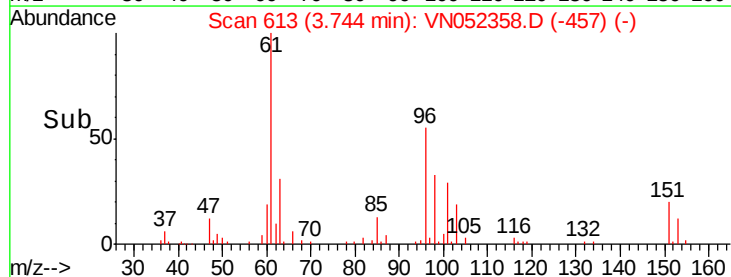
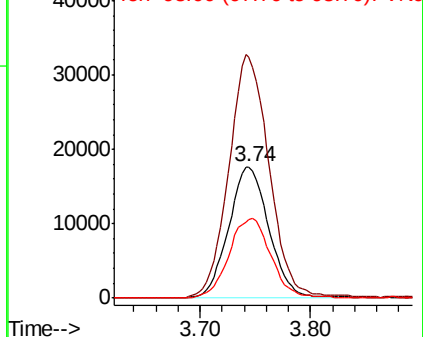
98 59.9 52.0 78.0

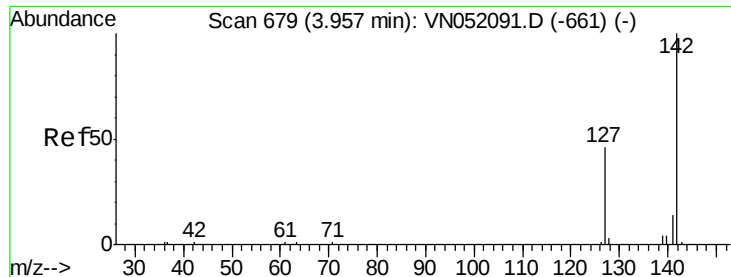


Abundance Ion 96.00 (95.70 to 96.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 98.00 (97.70 to 98.70): V

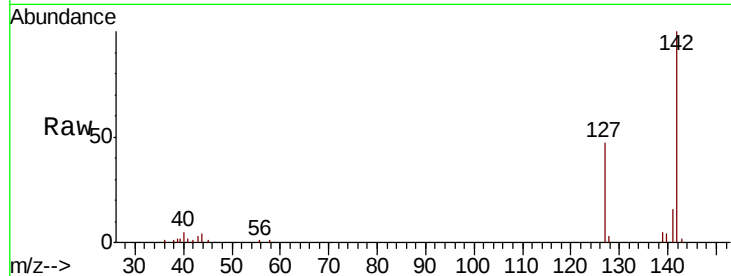




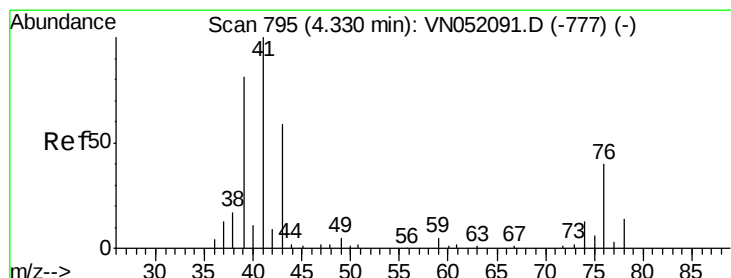
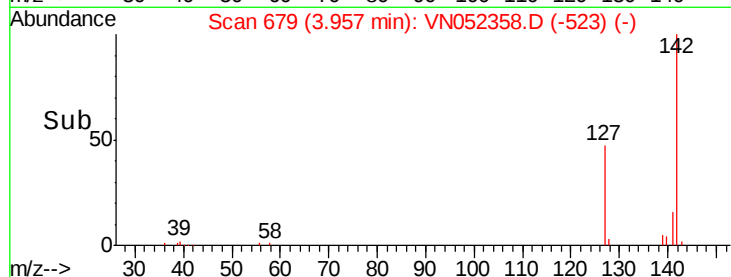
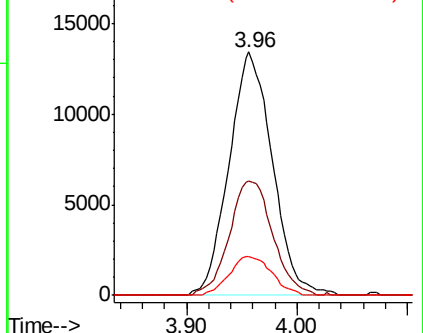
#11
Methyl Iodide
Concen: 10.573 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

Tot Ion:142 Resp: 36559
Ion Ratio Lower Upper
142 100
127 47.0 23.1 69.2
141 15.7 7.0 20.9

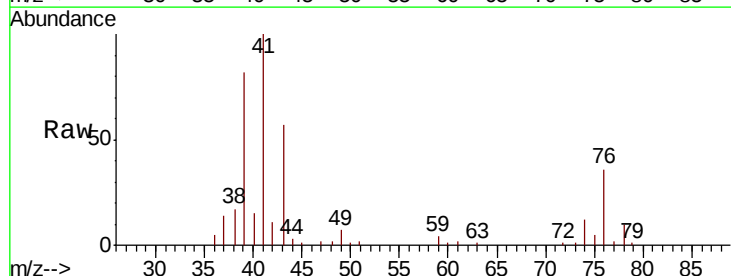


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

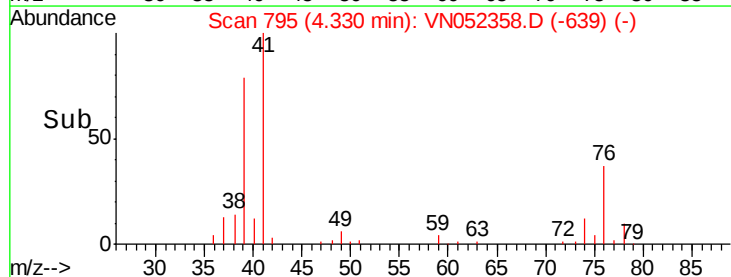
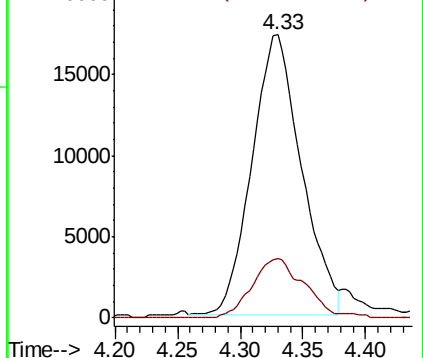


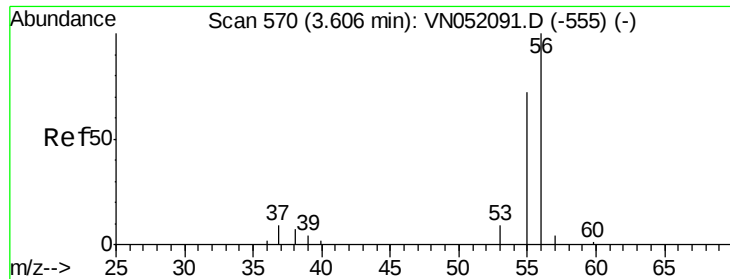
#12
Methyl Acetate
Concen: 23.447 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Tgt Ion: 43 Resp: 47198
Ion Ratio Lower Upper
43 100
74 21.5 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 84.072 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

ClientSampleId :

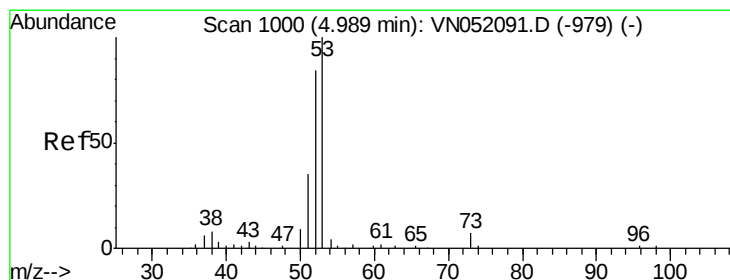
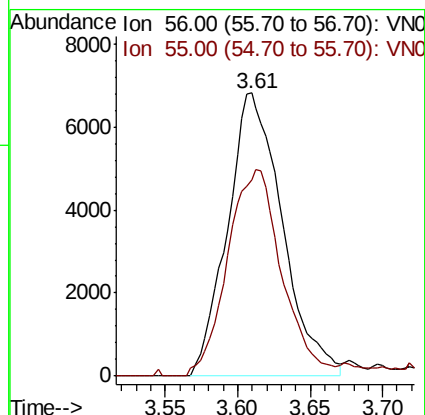
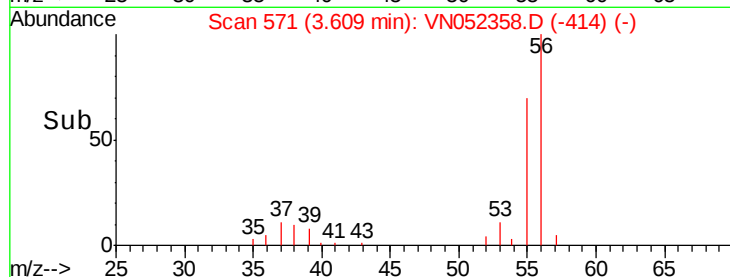
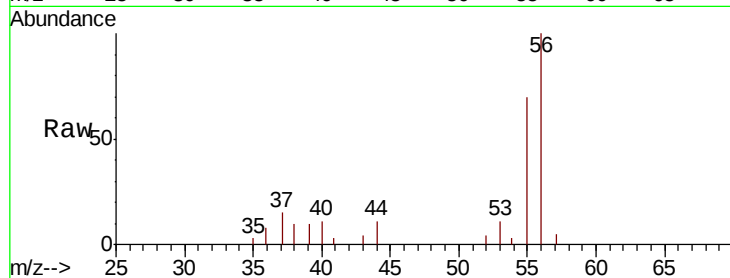
VN1116WBSD01

Tot Ion: 56 Resp: 17950

Ion Ratio Lower Upper

56 100

55 72.0 56.2 84.2



#14

Acrylonitrile

Concen: 107.056 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

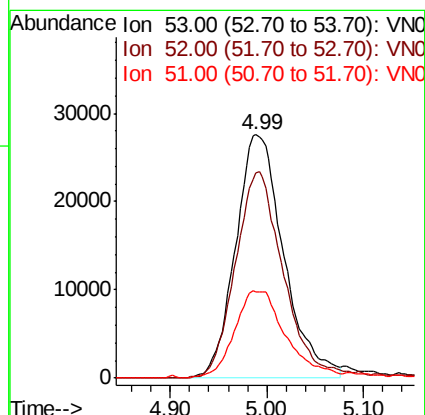
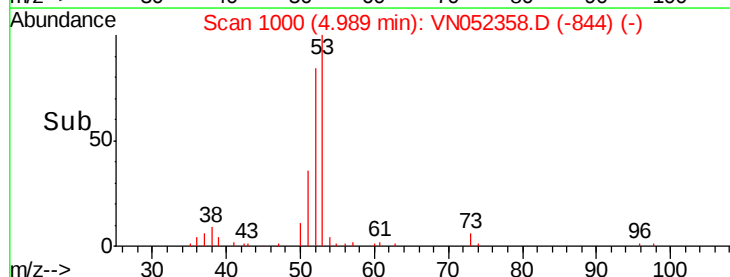
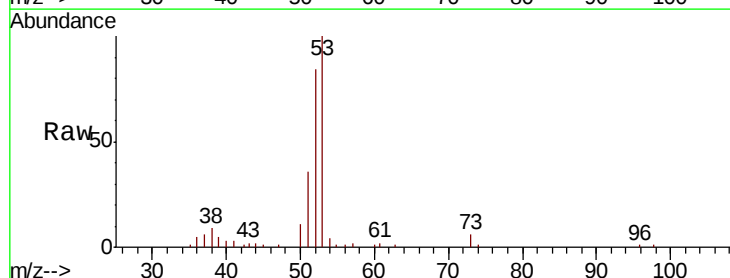
Tgt Ion: 53 Resp: 95565

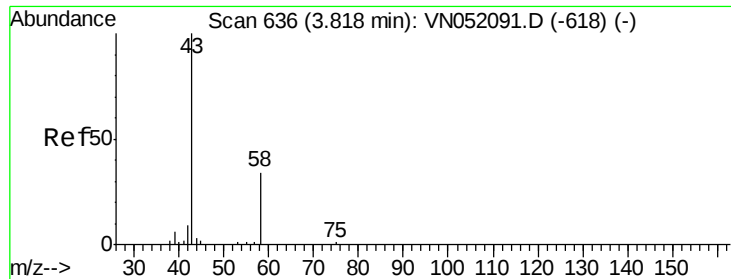
Ion Ratio Lower Upper

53 100

52 83.1 41.3 124.1

51 18.8 18.6 55.6





#15

Acetone

Concen: 102.486 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

ClientSampleId :

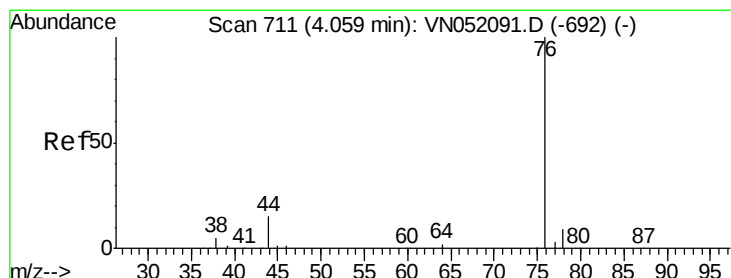
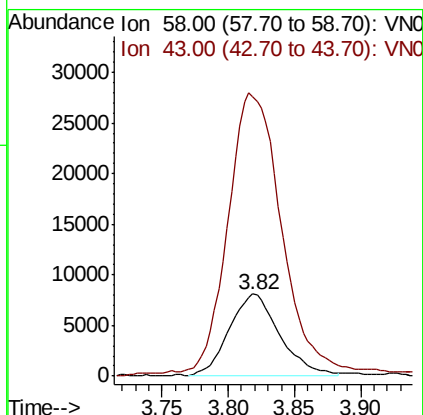
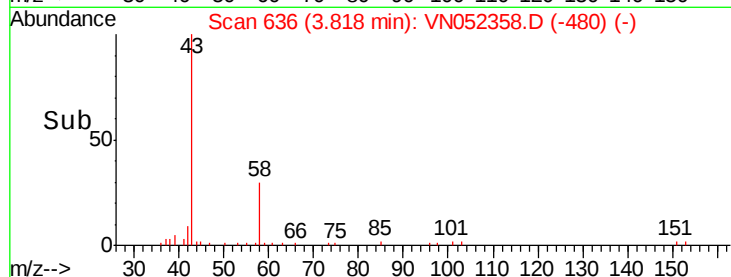
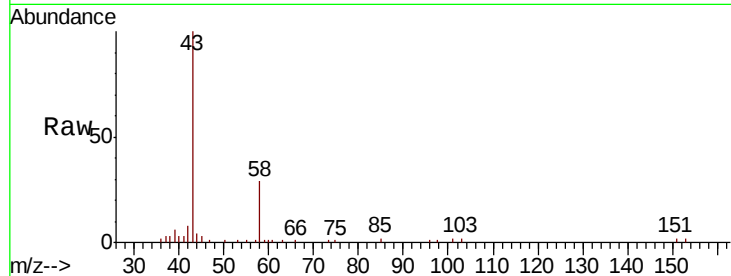
VN1116WBSD01

Tot Ion: 58 Resp: 21622

Ion Ratio Lower Upper

58 100

43 331.0 234.7 352.1



#16

Carbon Disulfide

Concen: 15.585 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052358.D

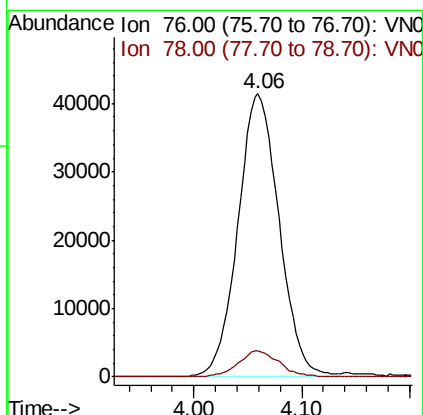
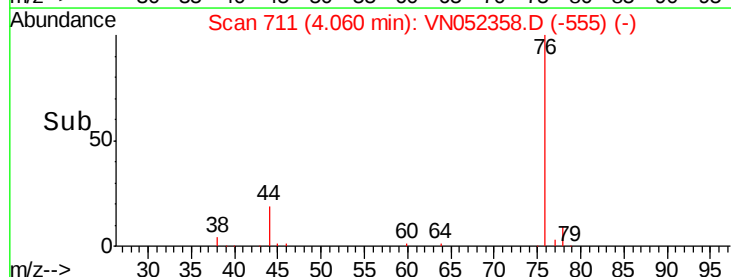
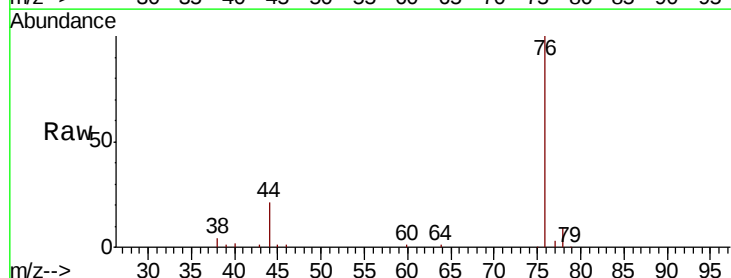
Acq: 16 Nov 2018 12:20

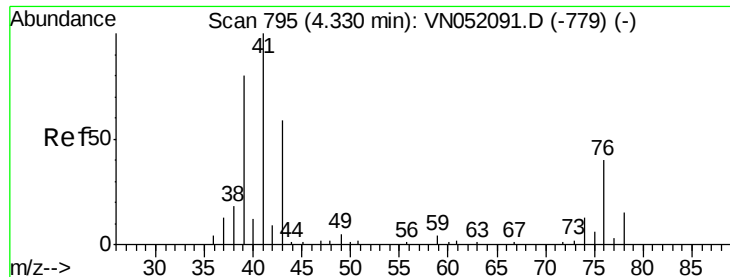
Tgt Ion: 76 Resp: 110051

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.6

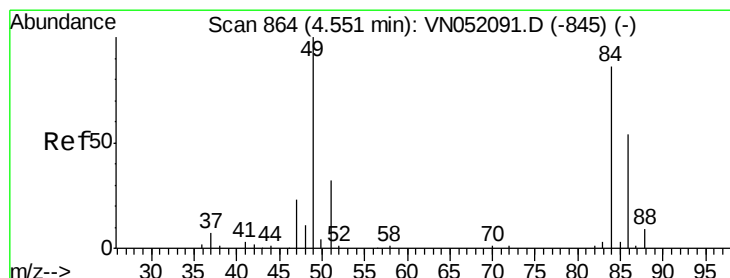
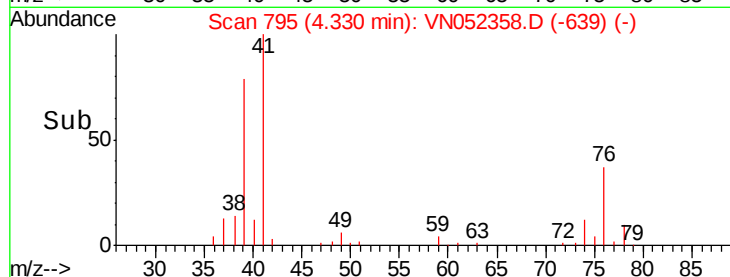
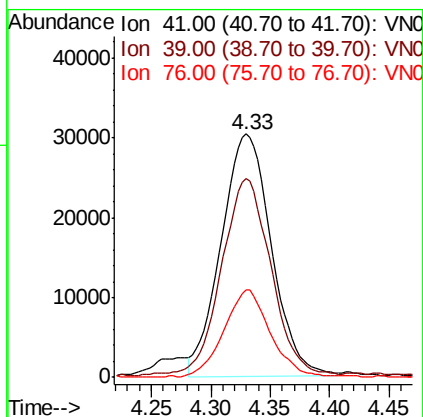
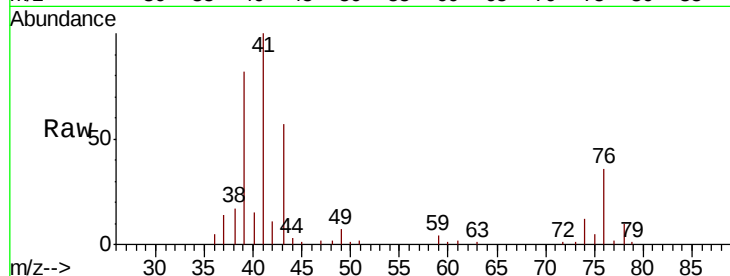




#17
Allvl chloride
Concen: 21.835 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

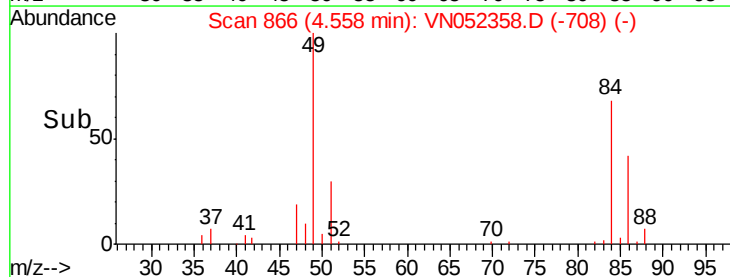
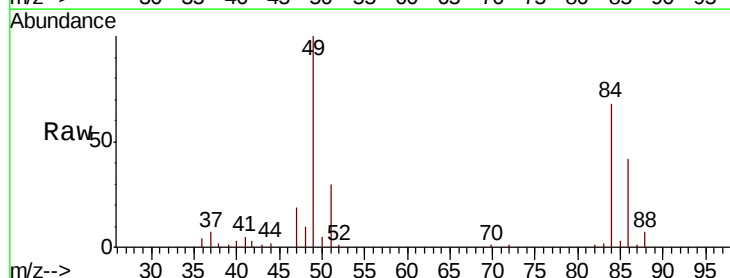
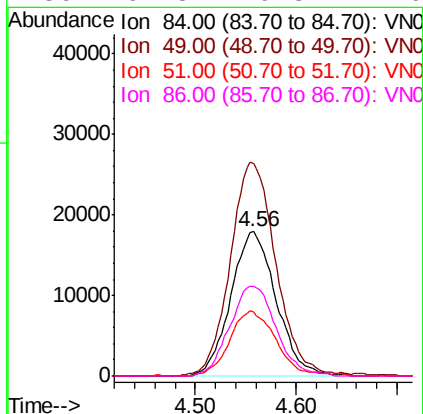
Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

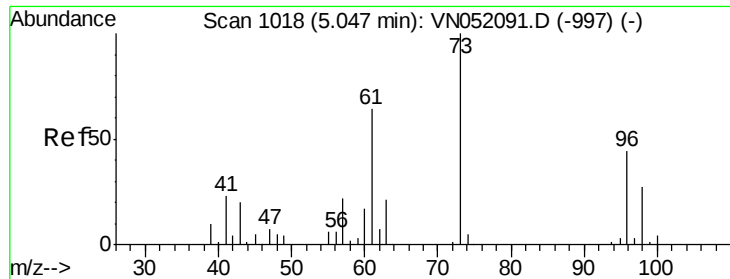
Tot Ion: 41 Resp: 88661
Ion Ratio Lower Upper
41 100
39 81.8 38.4 115.1
76 35.8 18.8 56.3



#18
Methylene Chloride
Concen: 18.953 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Tgt Ion: 84 Resp: 55945
Ion Ratio Lower Upper
84 100
49 146.0 92.6 138.8#
51 44.4 29.7 44.5
86 62.3 49.8 74.6

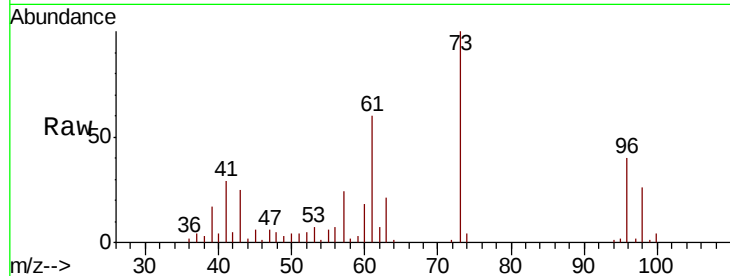




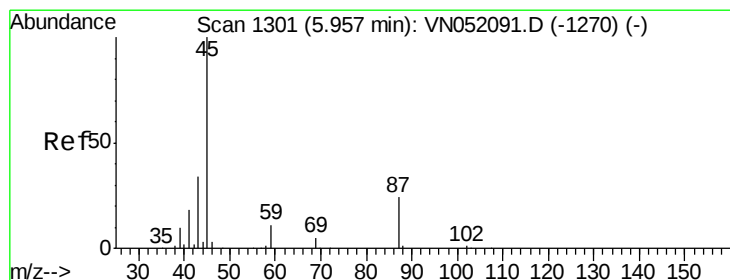
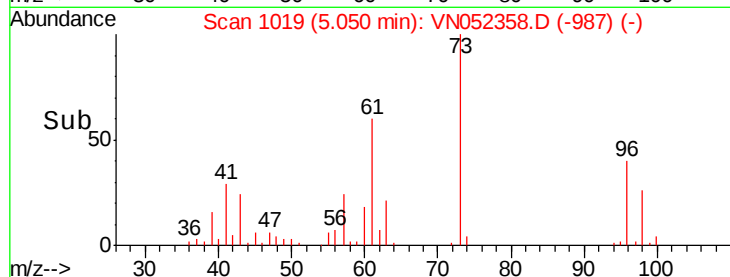
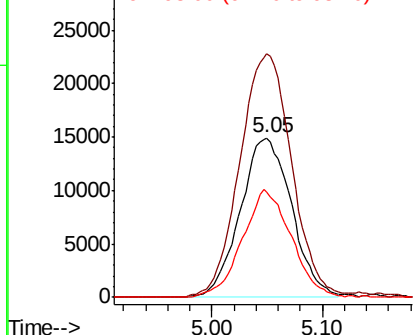
#19
trans-1,2-Dichloroethene
Concen: 18.328 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

Tot Ion: 96 Resp: 48025
Ion Ratio Lower Upper
96 100
61 151.4 117.8 176.6
98 66.2 49.3 73.9

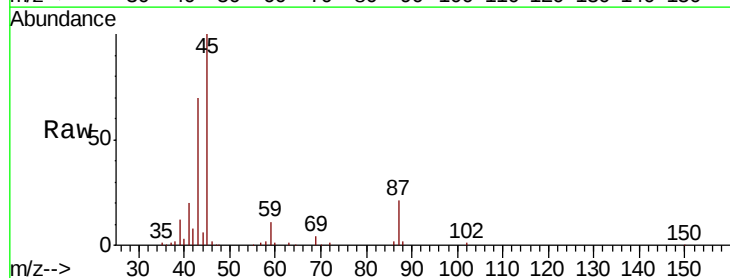


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

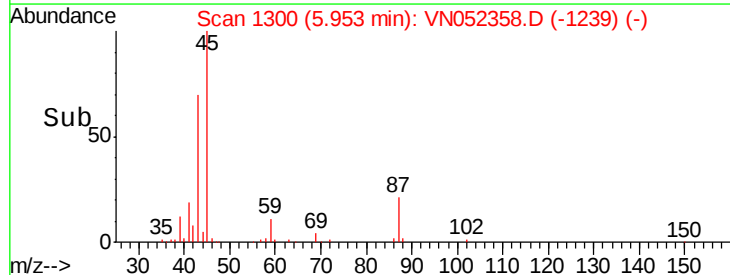
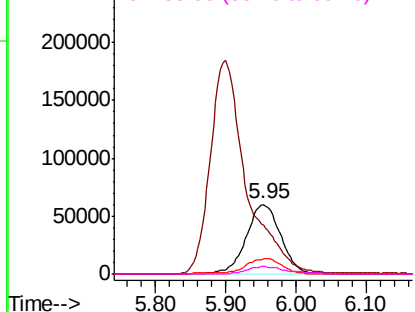


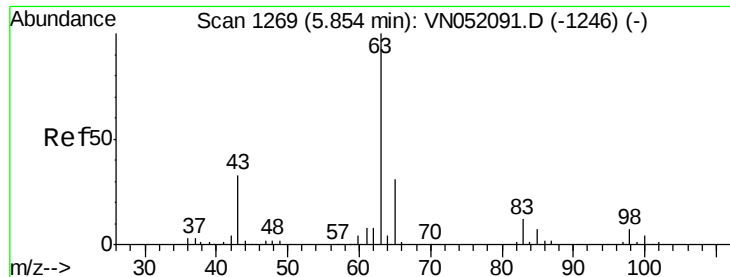
#20
Diisopropyl ether
Concen: 23.335 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Tgt Ion: 45 Resp: 205895
Ion Ratio Lower Upper
45 100
43 67.9 49.4 74.0
87 21.4 20.3 30.5
59 10.8 8.6 12.8



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





#21

1,1-Dichloroethane

Concen: 21.076 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD01

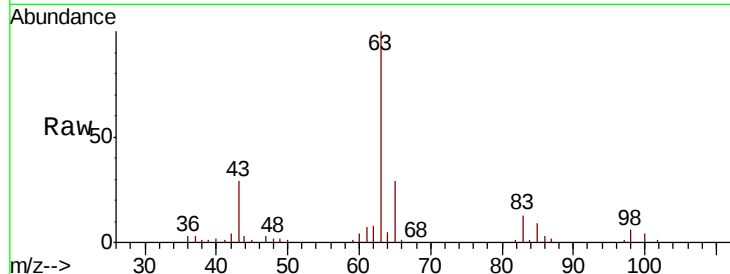
Tot Ion: 63 Resp: 108678

Ion Ratio Lower Upper

63 100

98 5.9 3.4 10.1

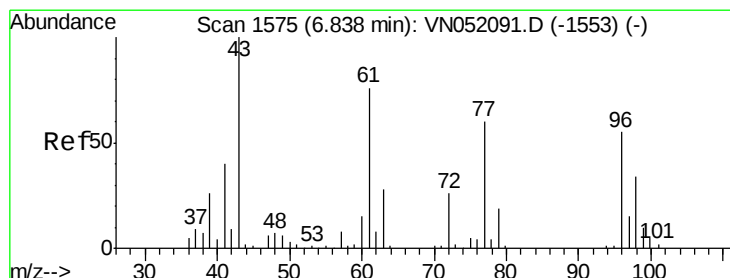
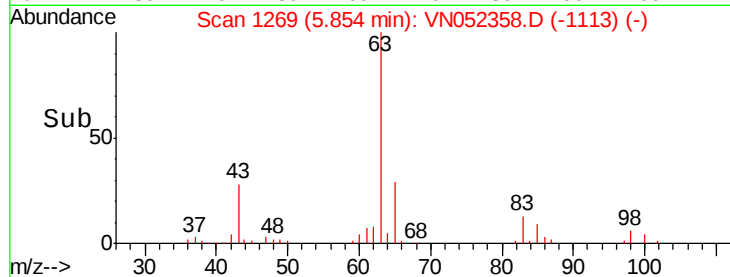
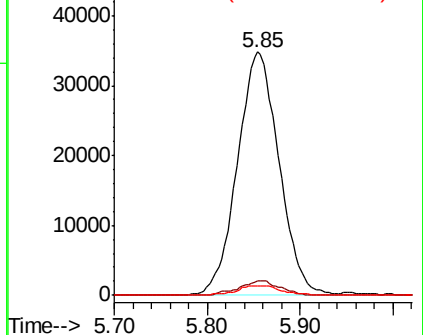
100 3.8 2.0 5.8



Abundance Ion 63.00 (62.70 to 63.70): VN052358.D (-1113) (-)

Ion 98.00 (97.70 to 98.70): VN052358.D (-1113) (-)

Ion 100.00 (99.70 to 100.70): VN052358.D (-1113) (-)



#22

cis-1,2-Dichloroethene

Concen: 18.714 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.01 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

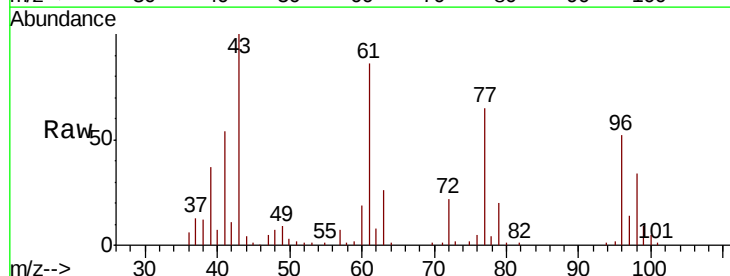
Tgt Ion: 96 Resp: 57261

Ion Ratio Lower Upper

96 100

61 164.6 117.6 176.4

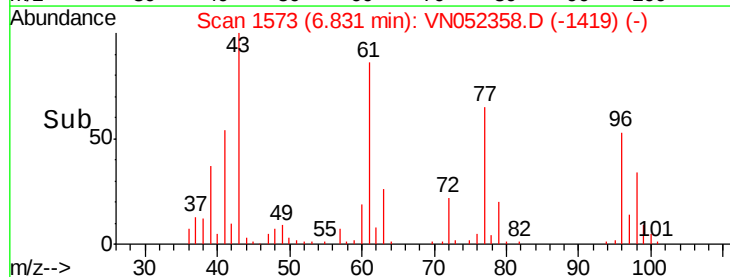
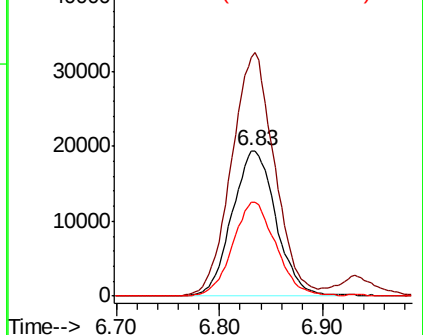
98 63.6 51.0 76.4

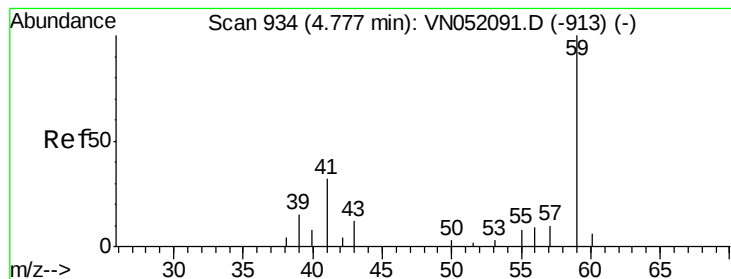


Abundance Ion 96.00 (95.70 to 96.70): VN052358.D (-1419) (-)

Ion 61.00 (60.70 to 61.70): VN052358.D (-1419) (-)

Ion 98.00 (97.70 to 98.70): VN052358.D (-1419) (-)





#23

tert-Butyl Alcohol

Concen: 115.629 ug/l

RT: 4.78 min Scan# 934

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

ClientSampleId :

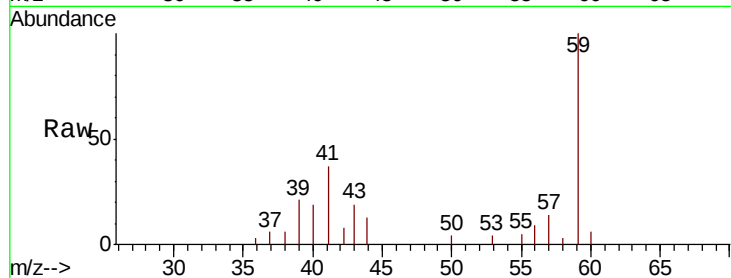
VN1116WBSD01

Tot Ion: 59 Resp: 16082

Ion Ratio Lower Upper

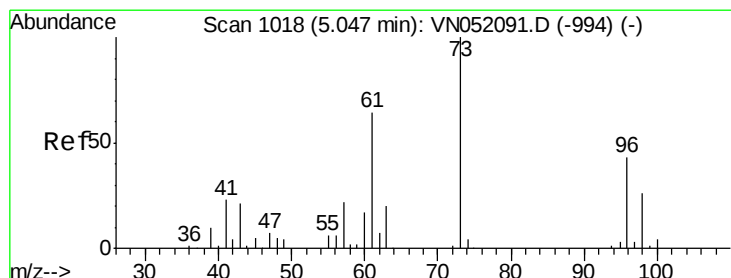
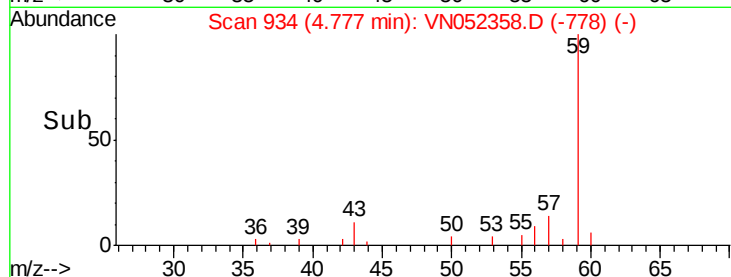
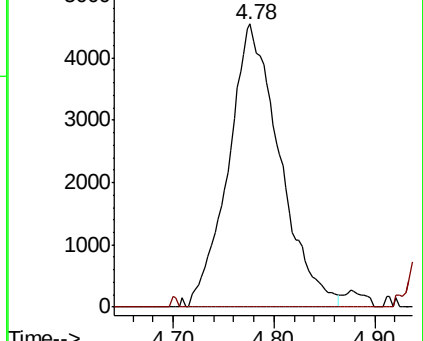
59 100

52 0.4 0.3 0.5



Abundance Ion 59.00 (58.70 to 59.70): VN052091.D (-913) (-)

Ion 52.00 (51.70 to 52.70): VN052091.D (-913) (-)



#24

Methyl tert-Butyl Ether

Concen: 19.818 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN052358.D

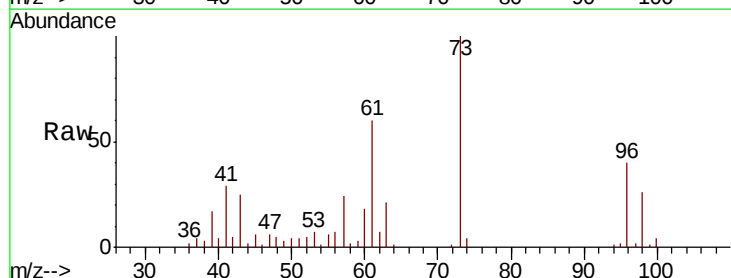
Acq: 16 Nov 2018 12:20

Tgt Ion: 73 Resp: 134364

Ion Ratio Lower Upper

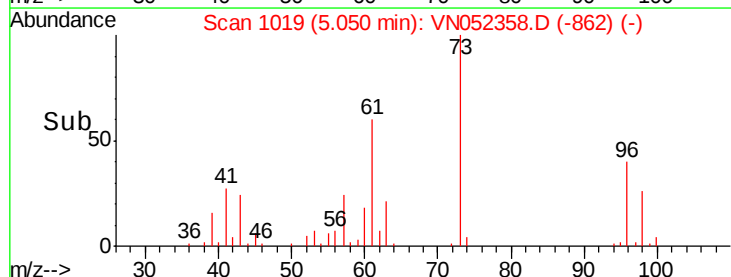
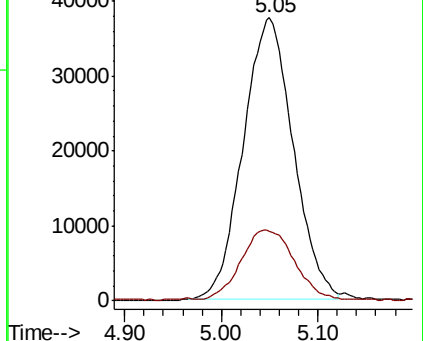
73 100

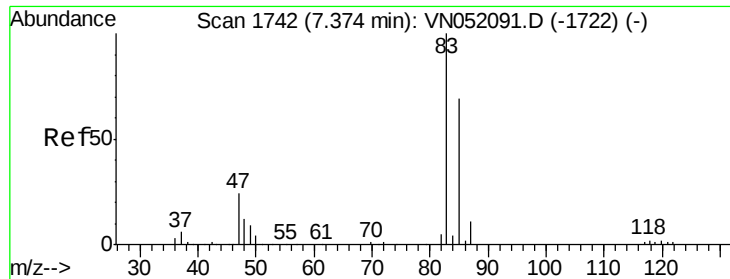
43 25.9 17.4 26.2



Abundance Ion 73.00 (72.70 to 73.70): VN052091.D (-994) (-)

Ion 43.00 (42.70 to 43.70): VN052091.D (-994) (-)

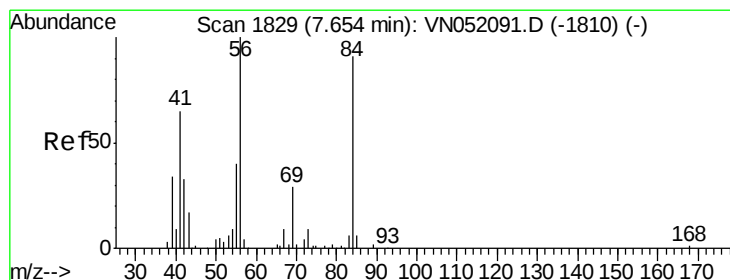
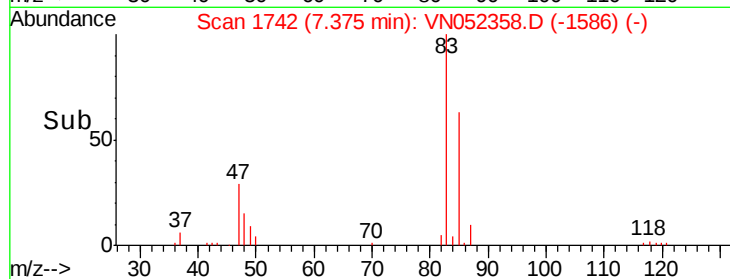
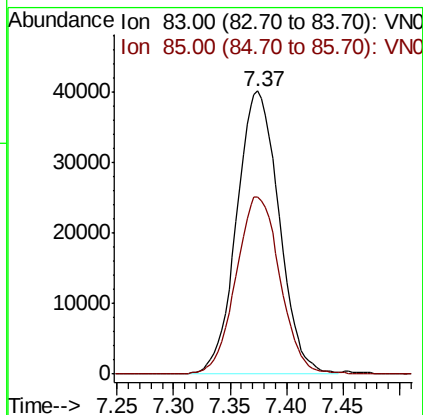
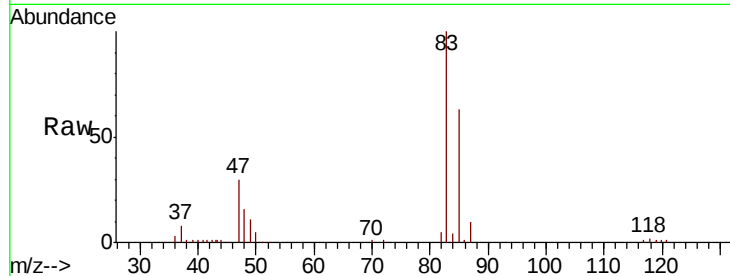




#25
Chloroform
Concen: 20.245 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

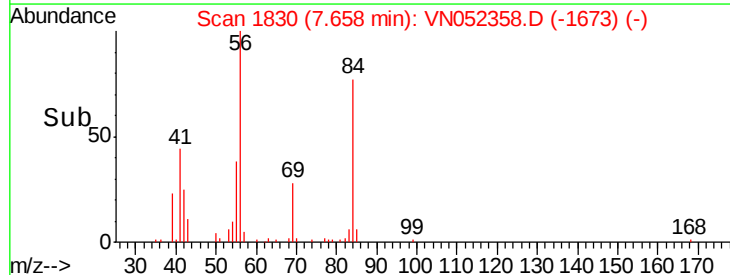
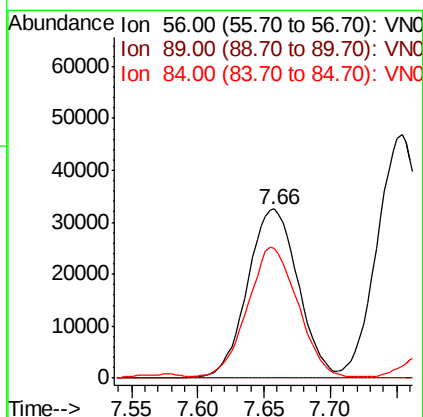
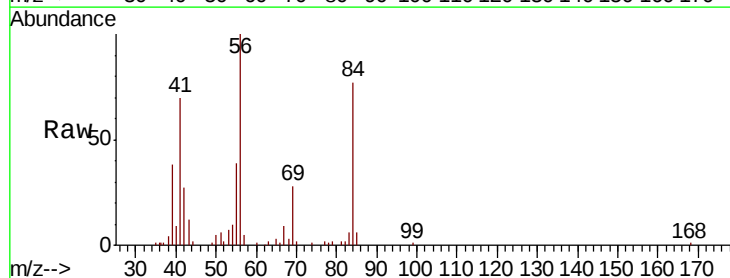
Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

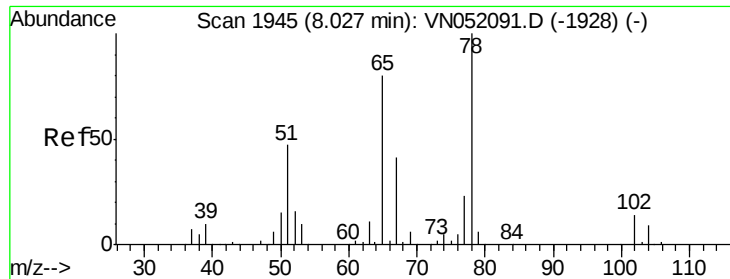
Tot Ion: 83 Resp: 104820
Ion Ratio Lower Upper
83 100
85 62.8 54.9 82.3



#26
Cyclohexane
Concen: 18.812 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Tgt Ion: 56 Resp: 86956
Ion Ratio Lower Upper
56 100
89 0.0 2.2 3.2#
84 77.6 71.0 106.6

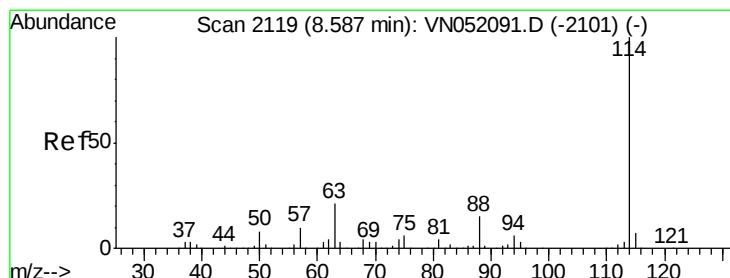
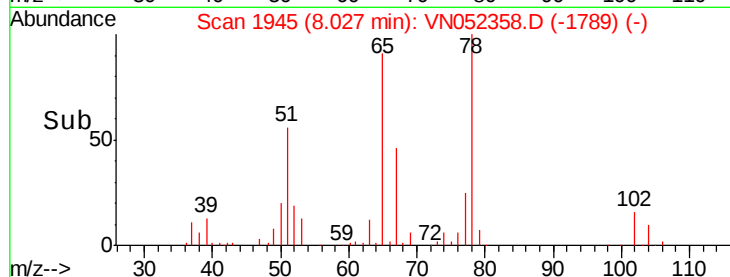
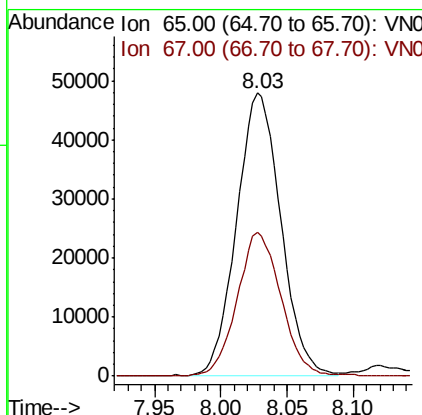
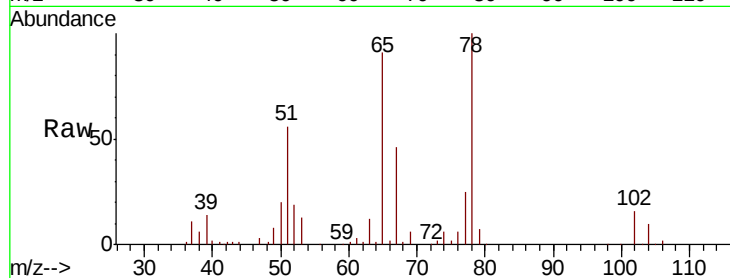




#27
 1,2-Dichloroethane-d4
 Concen: 18.812 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

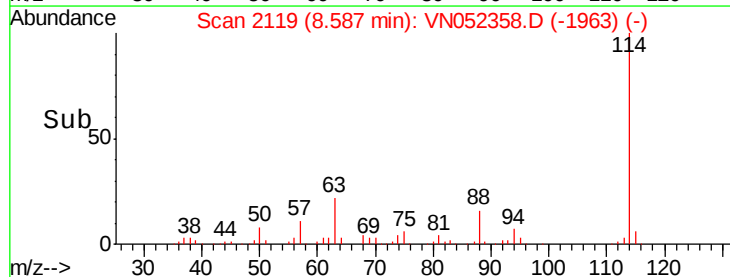
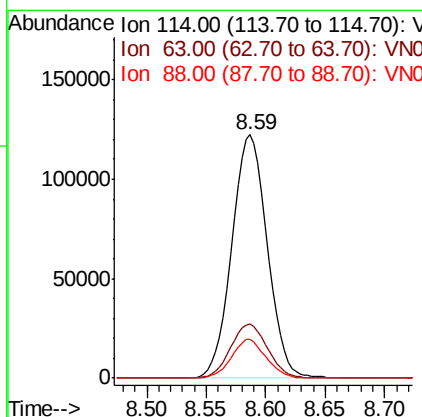
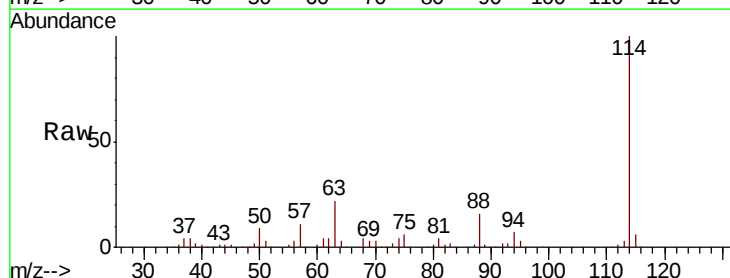
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD01

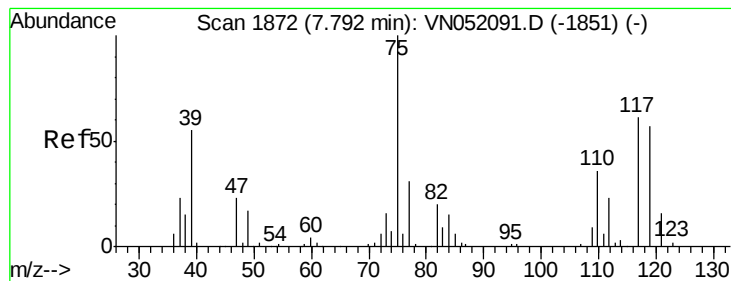
Tot Ion: 65 Resp: 111144
 Ion Ratio Lower Upper
 65 100
 67 50.1 42.6 64.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

Tgt Ion: 114 Resp: 253027
 Ion Ratio Lower Upper
 114 100
 63 23.1 17.5 26.3
 88 15.5 12.6 18.8





#29

1,1-Dichloropropene

Concen: 18.950 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD01

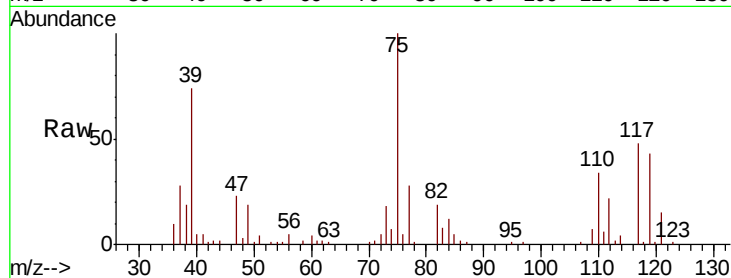
Tot Ion: 75 Resp: 76126

Ion Ratio Lower Upper

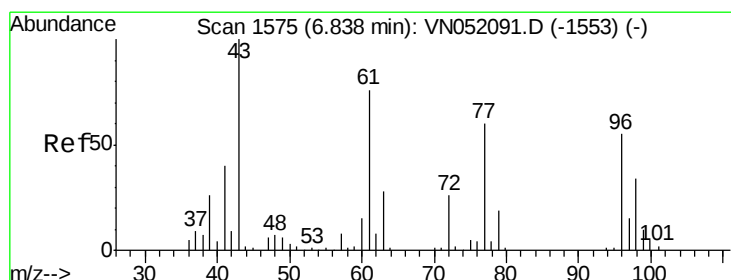
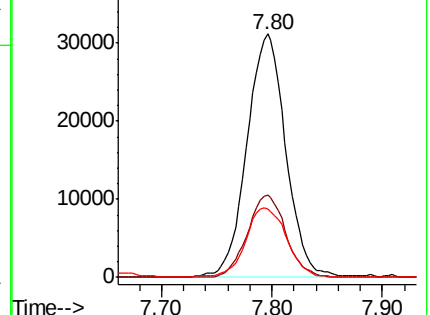
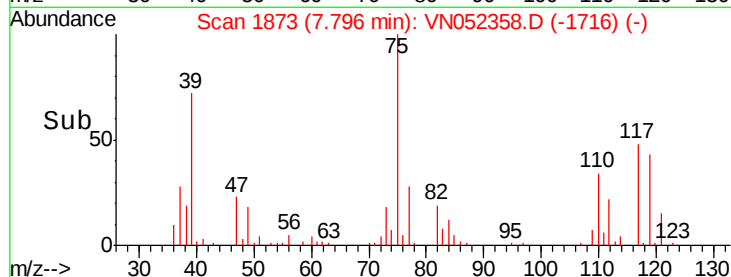
75 100

110 33.1 0.0 67.6

77 28.9 0.0 60.2



Abundance Ion 75.00 (74.70 to 75.70): VN052091.D (-1851) (-)



#30

2-Butanone

Concen: 110.821 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

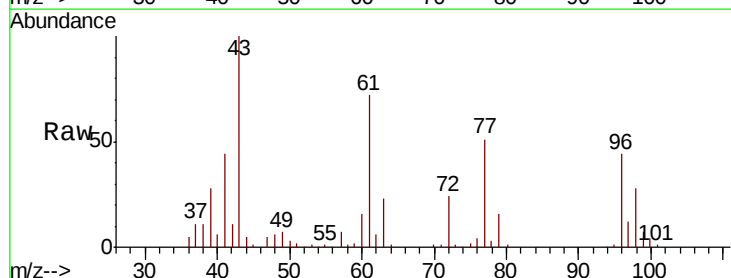
Tgt Ion: 43 Resp: 118557

Ion Ratio Lower Upper

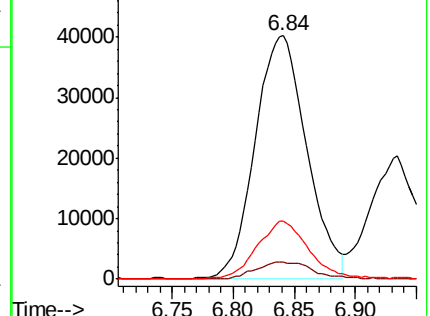
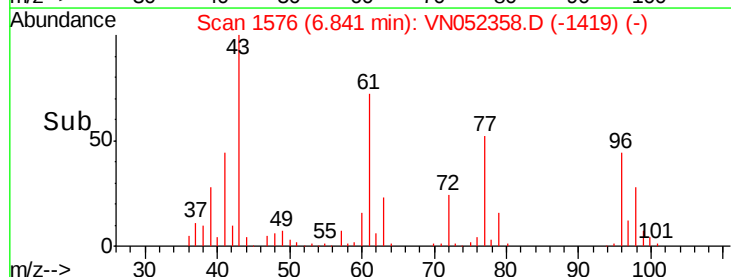
43 100

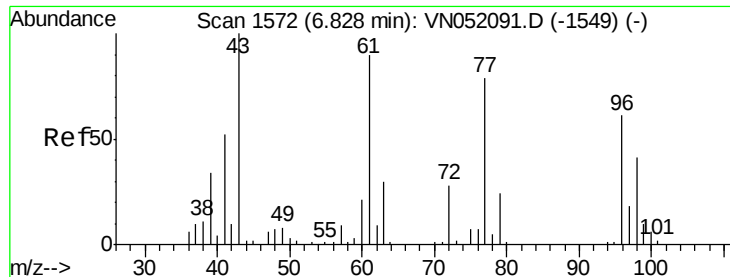
57 5.1 6.6 9.8#

72 23.5 9.2 13.8#



Abundance Ion 43.00 (42.70 to 43.70): VN052091.D (-1553) (-)

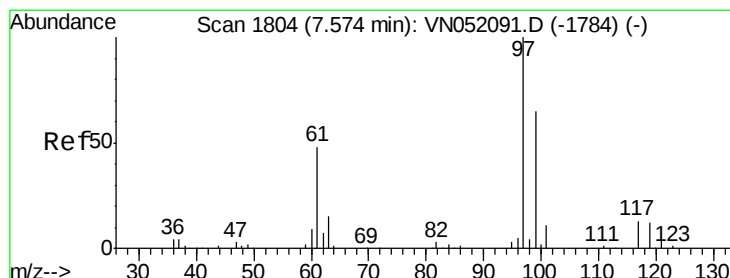
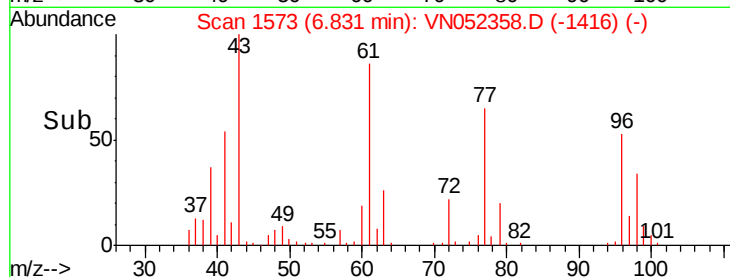
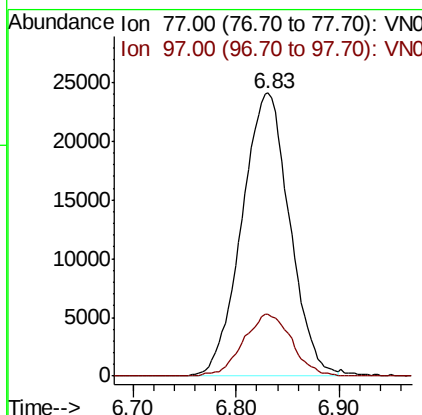
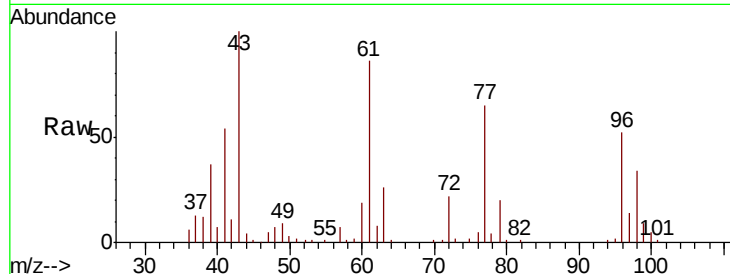




#31
 2,2-Dichloropropane
 Concen: 18.764 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

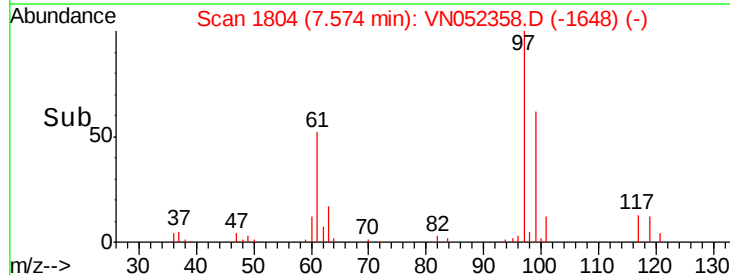
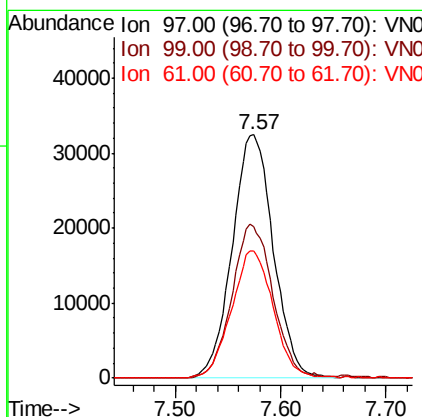
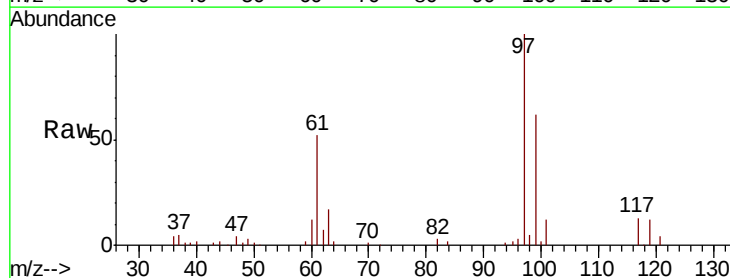
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD01

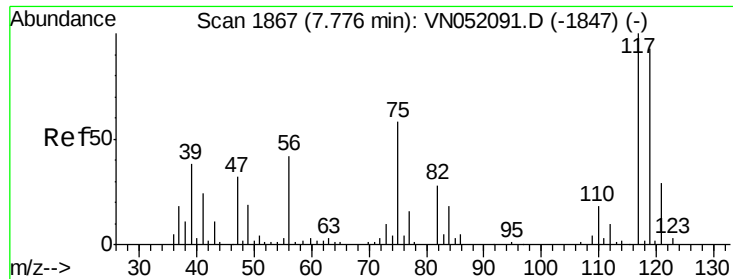
Tot Ion: 77 Resp: 77649
 Ion Ratio Lower Upper
 77 100
 97 22.0 18.2 27.2



#32
 1,1,1-Trichloroethane
 Concen: 19.559 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

Tgt Ion: 97 Resp: 87911
 Ion Ratio Lower Upper
 97 100
 99 62.7 51.7 77.5
 61 53.0 38.7 58.1





#33

Carbon Tetrachloride

Concen: 18.663 ug/l

RT: 7.78 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD01

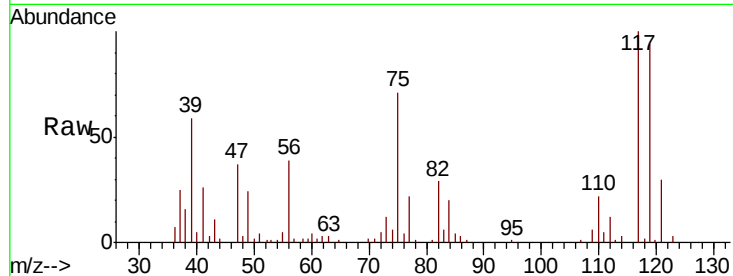
Tot Ion:117 Resp: 74601

Ion Ratio Lower Upper

117 100

119 93.8 74.7 112.1

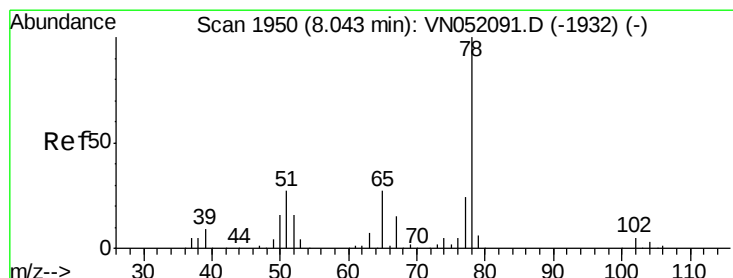
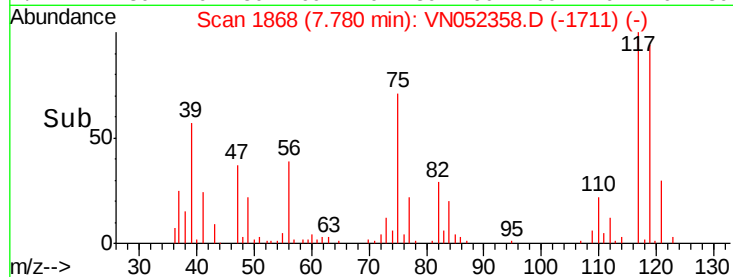
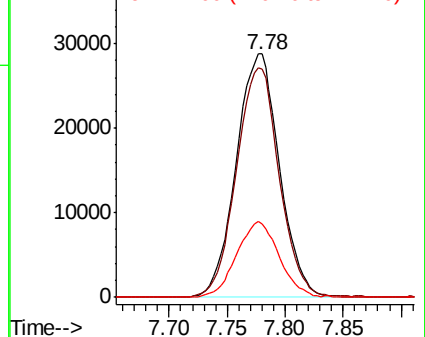
121 30.0 23.4 35.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 18.494 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

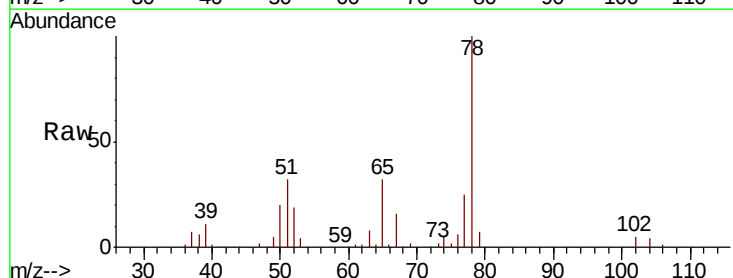
Tgt Ion: 78 Resp: 217538

Ion Ratio Lower Upper

78 100

77 24.9 19.1 28.7

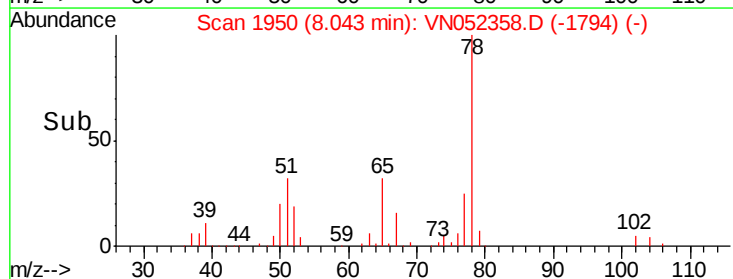
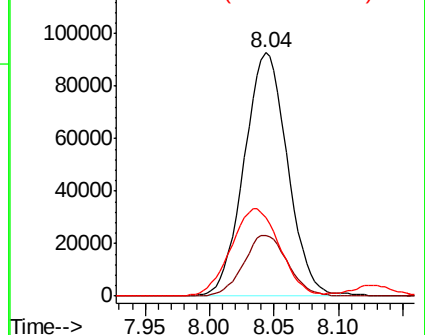
51 31.9 21.2 31.8#

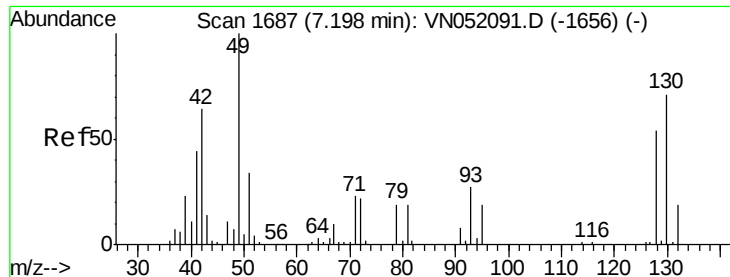


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

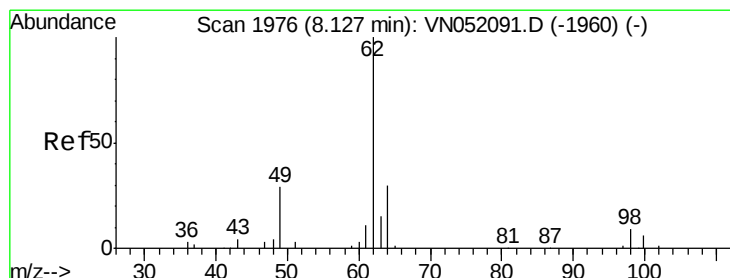
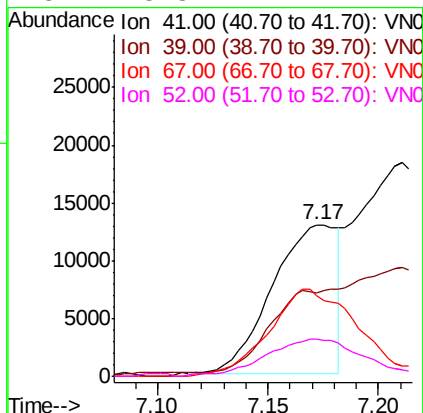
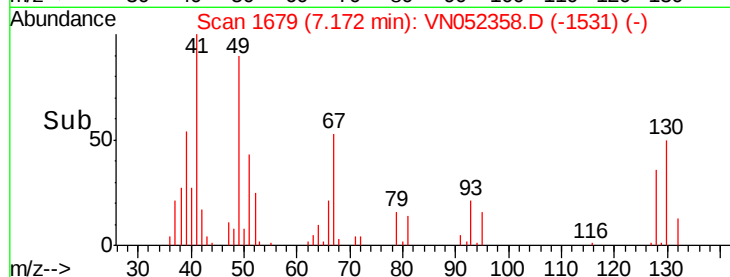
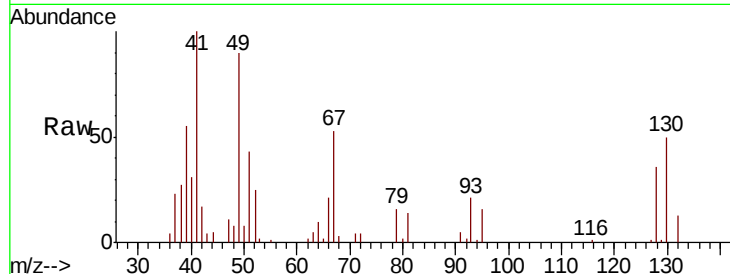




#35
Methacrylonitrile
Concen: 18.011 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.03 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

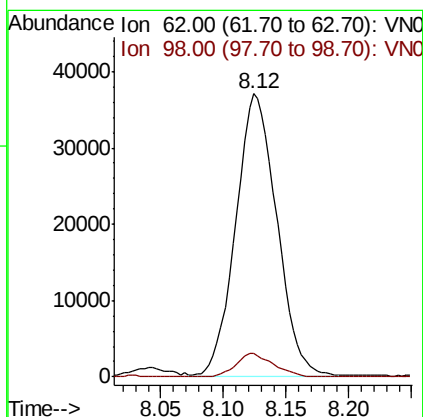
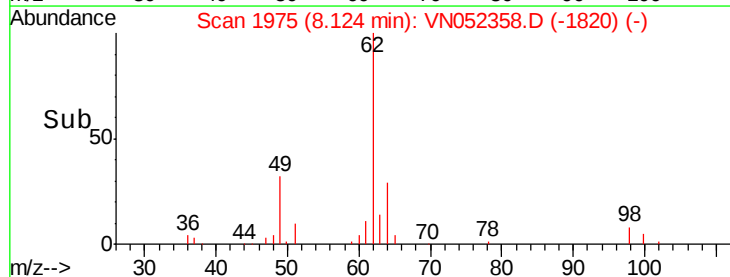
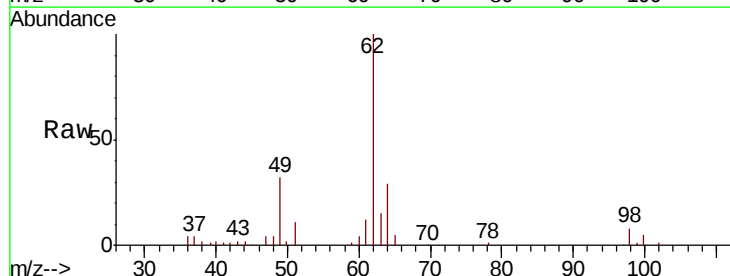
Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

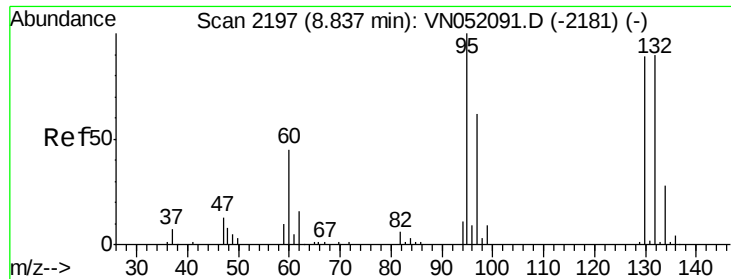
Tot Ion: 41 Resp: 26428
Ion Ratio Lower Upper
41 100
39 53.4 26.1 78.3
67 54.3 11.0 33.0#
52 23.8 4.7 14.1#



#36
1,2-Dichloroethane
Concen: 21.589 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Tgt Ion: 62 Resp: 84906
Ion Ratio Lower Upper
62 100
98 7.5 6.7 10.1

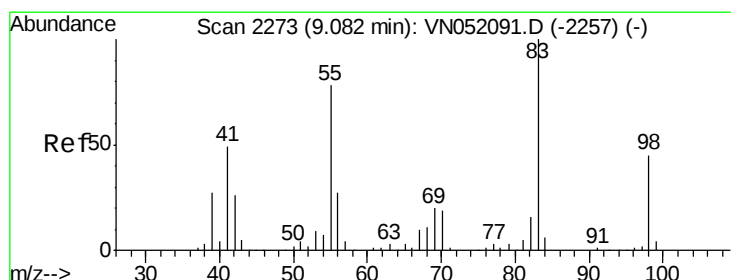
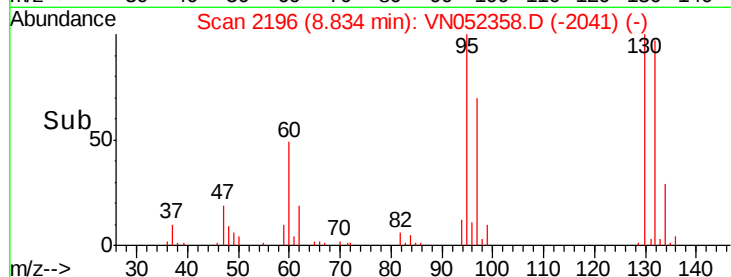
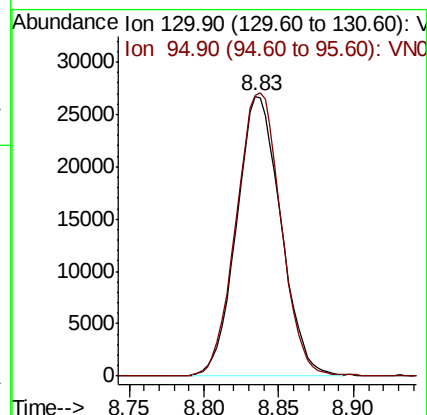
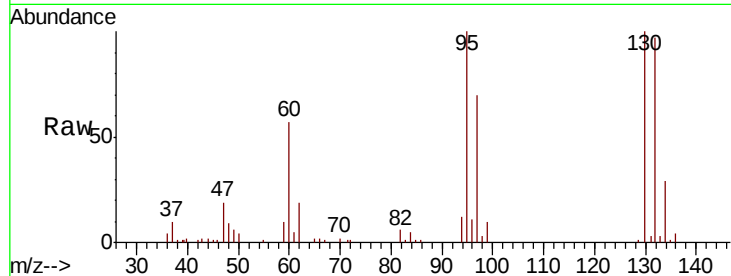




#37
 Trichloroethene
 Concen: 18.672 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

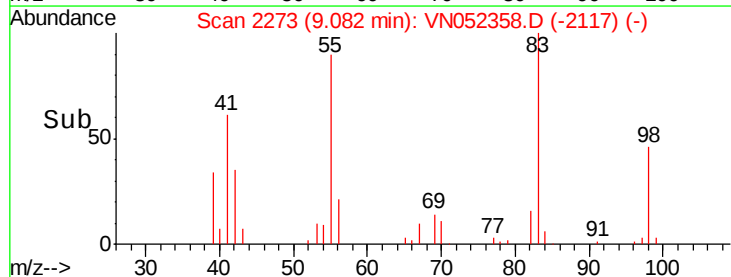
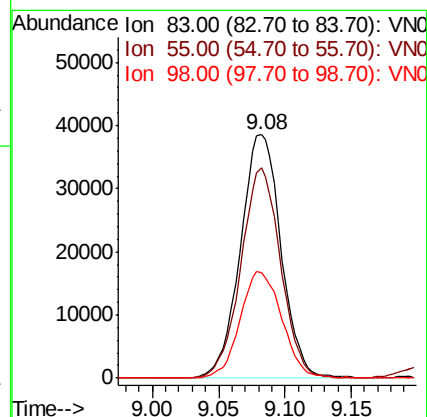
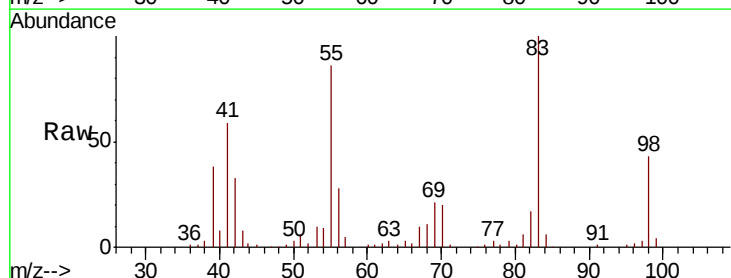
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD01

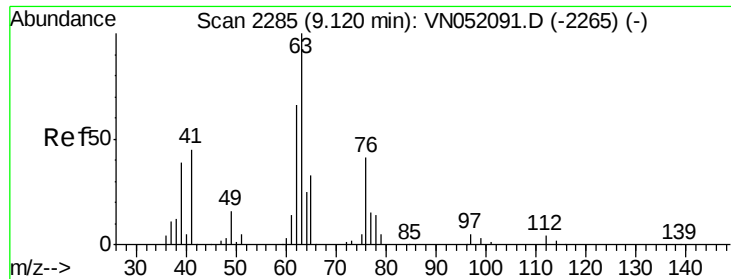
Tot Ion:130 Resp: 54969
 Ion Ratio Lower Upper
 130 100
 95 99.8 89.9 134.9



#38
 Methylcyclohexane
 Concen: 16.737 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

Tgt Ion: 83 Resp: 82020
 Ion Ratio Lower Upper
 83 100
 55 84.4 38.5 115.3
 98 44.9 23.2 69.6

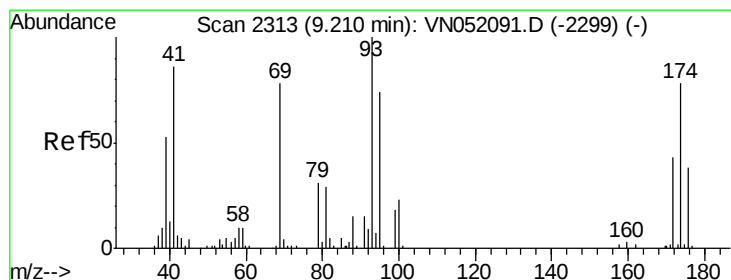
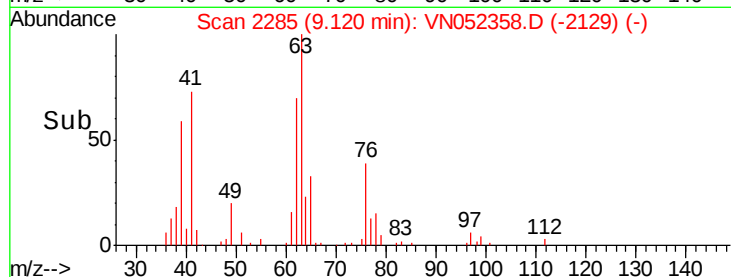
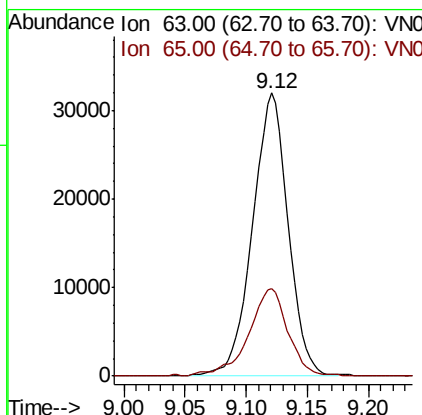
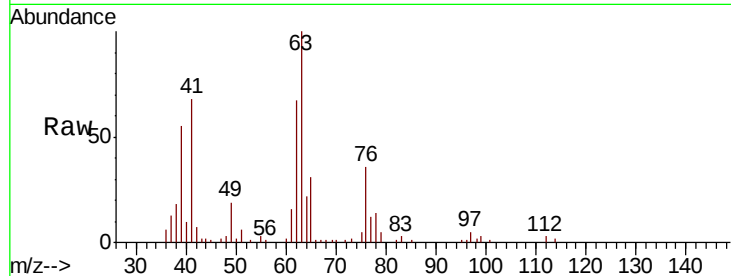




#39
 1,2-Dichloropropane
 Concen: 20.610 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

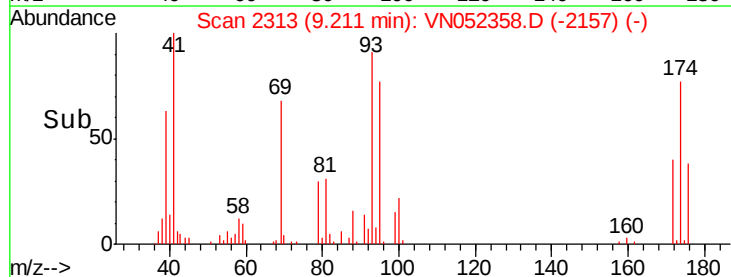
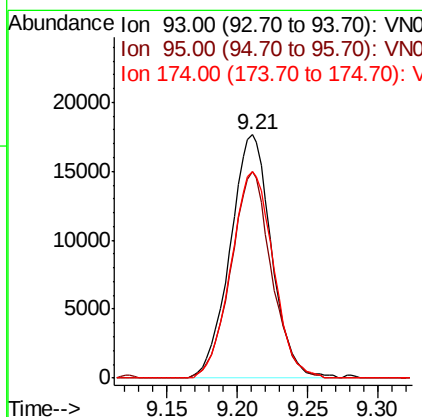
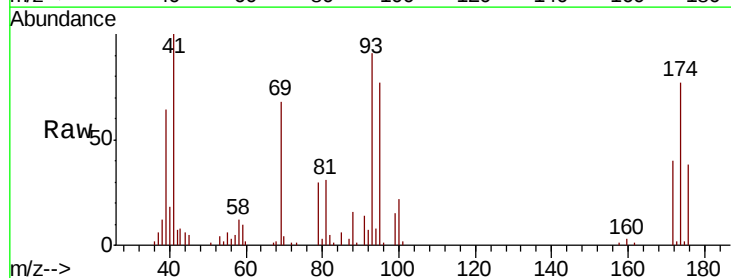
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD01

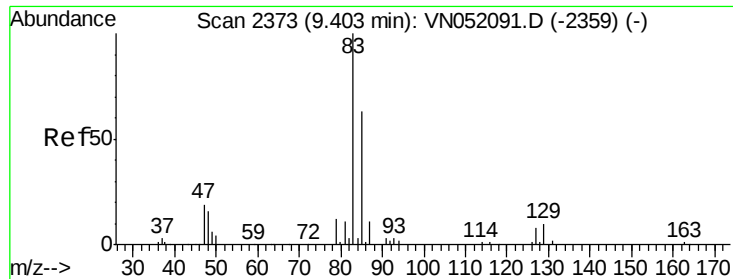
Tot Ion: 63 Resp: 64533
 Ion Ratio Lower Upper
 63 100
 65 30.9 27.3 40.9



#40
 Dibromomethane
 Concen: 18.730 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

Tgt Ion: 93 Resp: 36148
 Ion Ratio Lower Upper
 93 100
 95 83.1 0.0 161.2
 174 86.9 0.0 165.0





#41

Bromodichloromethane

Concen: 19.786 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD01

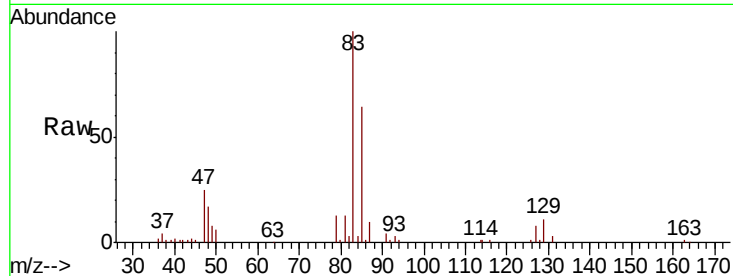
Tot Ion: 83 Resp: 78130

Ion Ratio Lower Upper

83 100

85 63.7 50.2 75.2

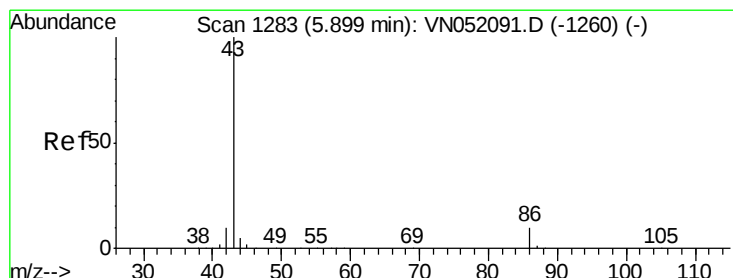
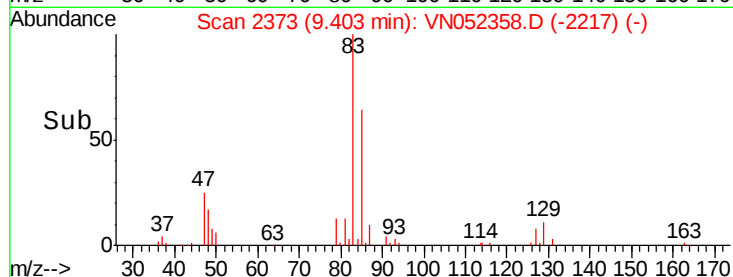
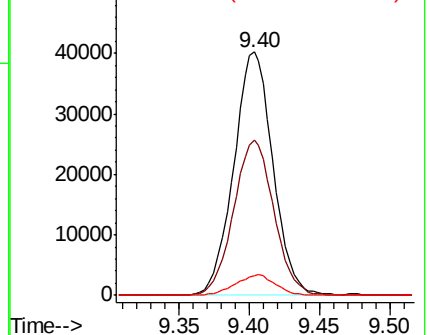
127 8.2 6.6 10.0



Abundance Ion 83.00 (82.70 to 83.70): VN052091.D (-2359) (-)

Ion 85.00 (84.70 to 85.70): VN052091.D (-2359) (-)

Ion 127.00 (126.70 to 127.70): VN052091.D (-2359) (-)



#42

Vinyl Acetate

Concen: 105.389 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052358.D

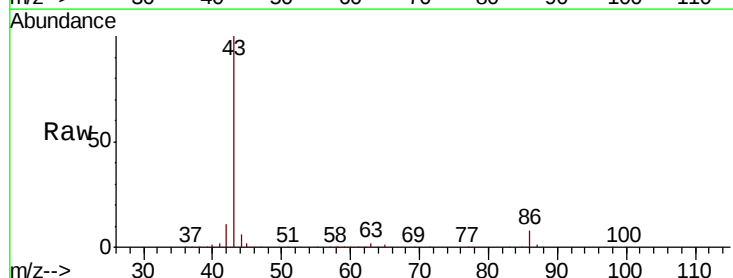
Acq: 16 Nov 2018 12:20

Tgt Ion: 43 Resp: 660042

Ion Ratio Lower Upper

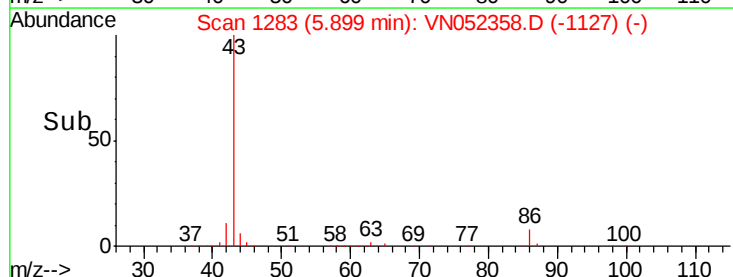
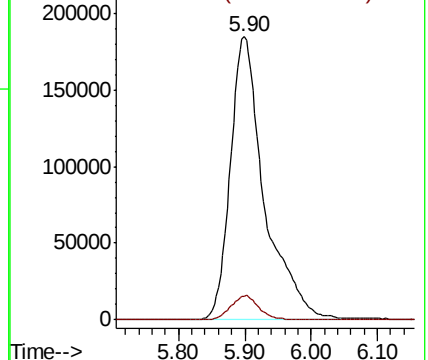
43 100

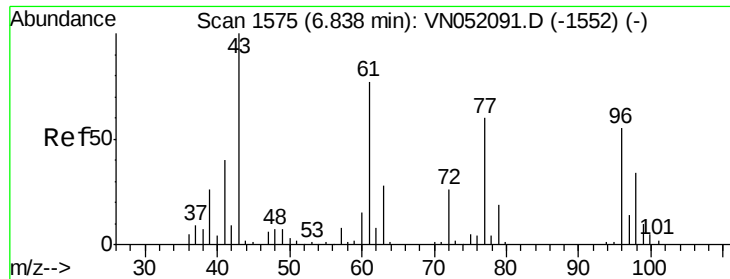
86 7.0 6.6 10.0



Abundance Ion 43.00 (42.70 to 43.70): VN052091.D (-1260) (-)

Ion 86.00 (85.70 to 86.70): VN052091.D (-1260) (-)





#43

Ethyl Acetate

Concen: 22.052 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

ClientSampleId :

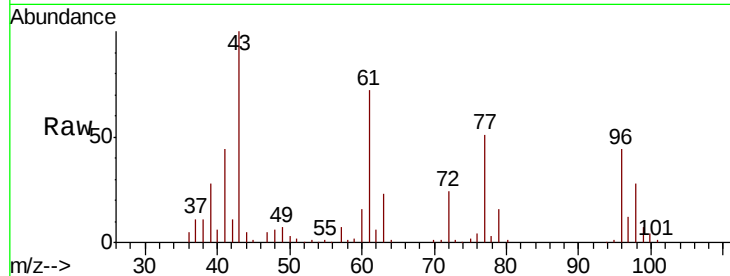
VN1116WBSD01

Tot Ion: 43 Resp: 118557

Ion Ratio Lower Upper

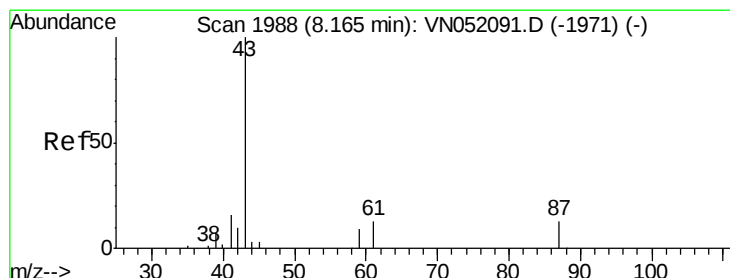
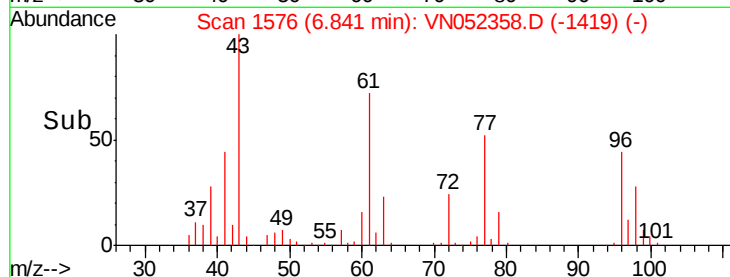
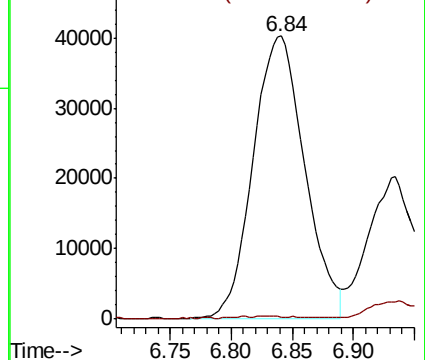
43 100

45 0.1 3.8 5.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 23.454 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052358.D

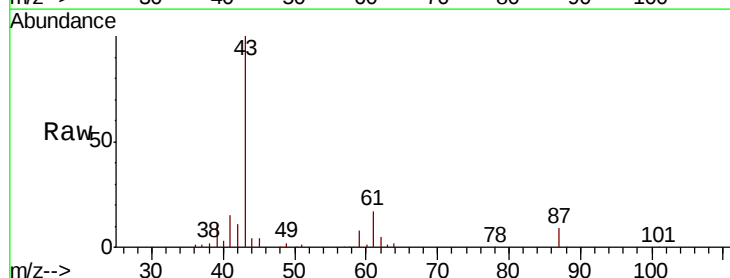
Acq: 16 Nov 2018 12:20

Tgt Ion: 43 Resp: 104400

Ion Ratio Lower Upper

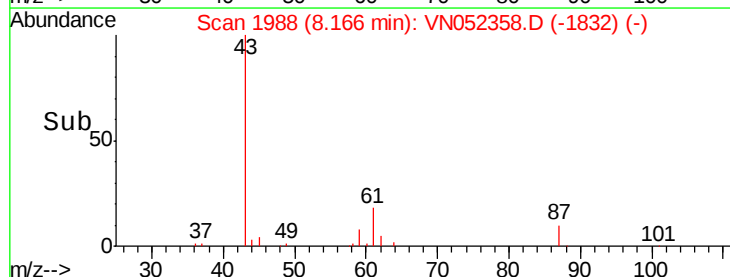
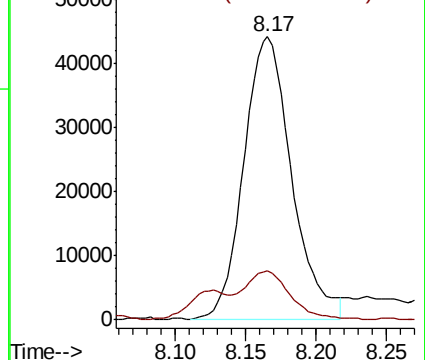
43 100

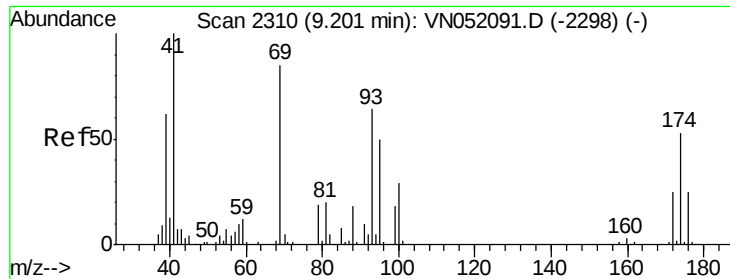
61 15.1 16.2 24.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

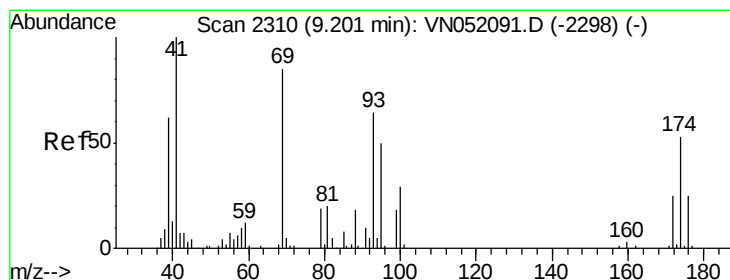
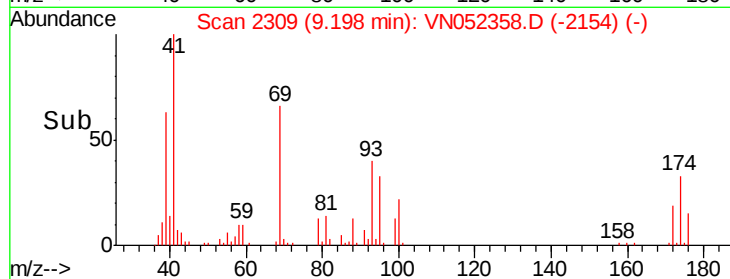
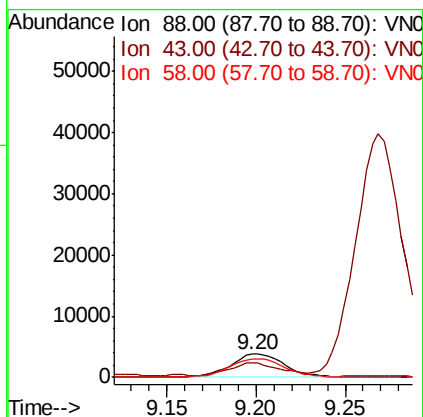
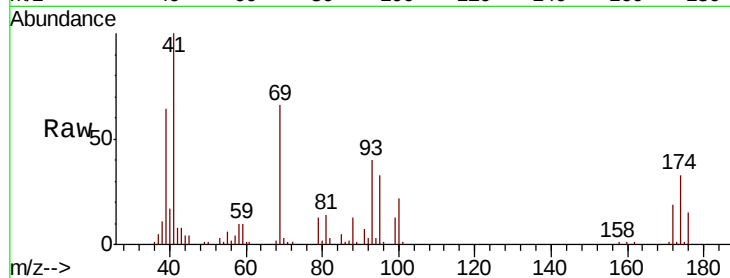




#45
 1,4-Dioxane
 Concen: 393.815 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

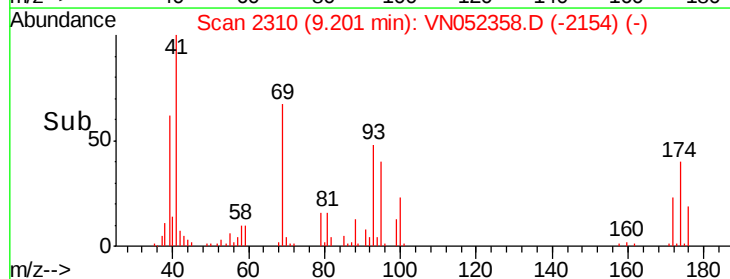
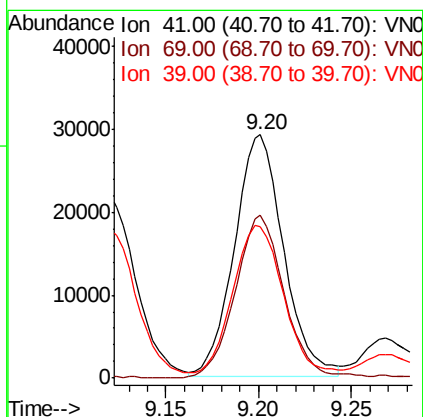
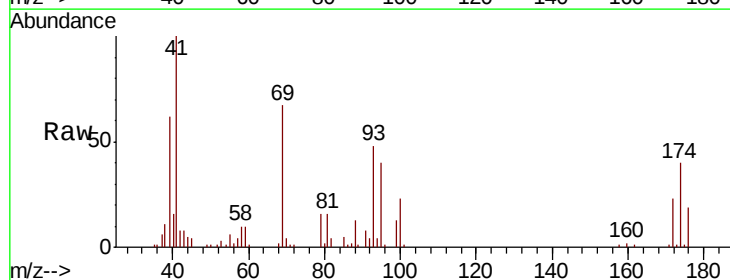
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD01

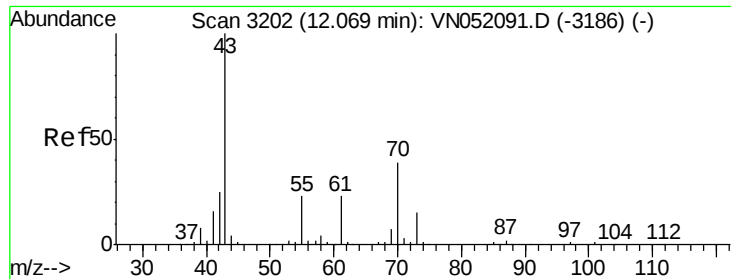
Tot Ion: 88 Resp: 7997
 Ion Ratio Lower Upper
 88 100
 43 47.2 28.6 43.0#
 58 82.5 37.8 56.8#



#46
 Methyl methacrylate
 Concen: 24.346 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

Tgt Ion: 41 Resp: 53945
 Ion Ratio Lower Upper
 41 100
 69 68.0 42.5 127.6
 39 61.6 31.1 93.3

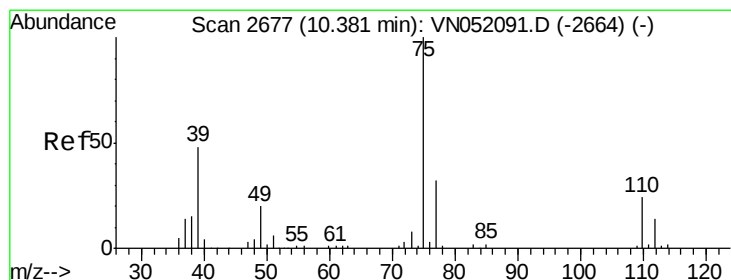
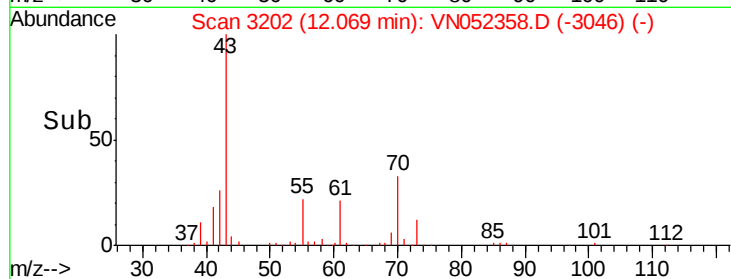
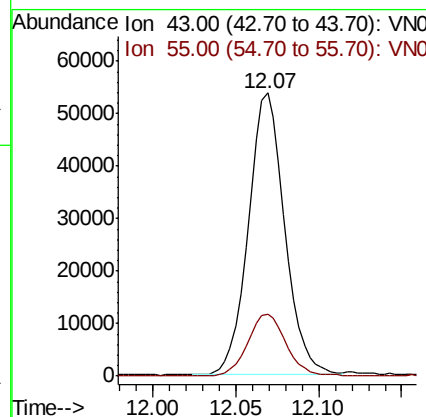
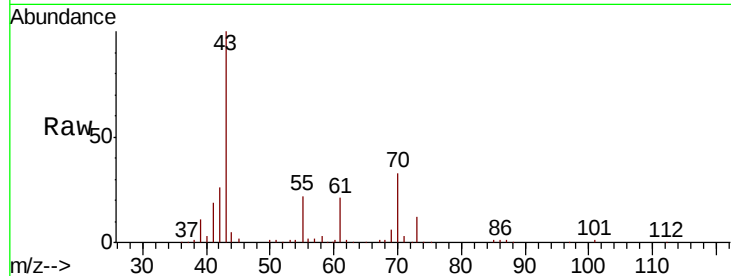




#47
n-amvl Acetate
Concen: 20.243 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

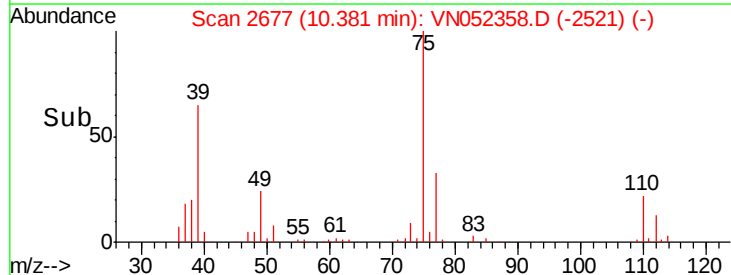
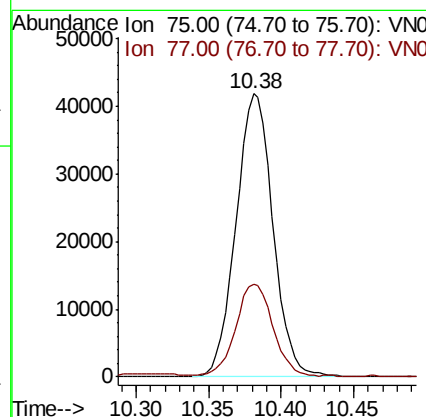
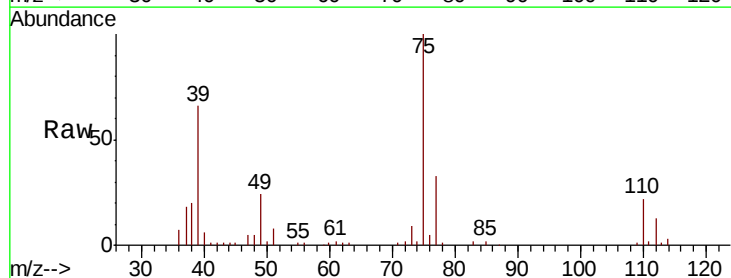
Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

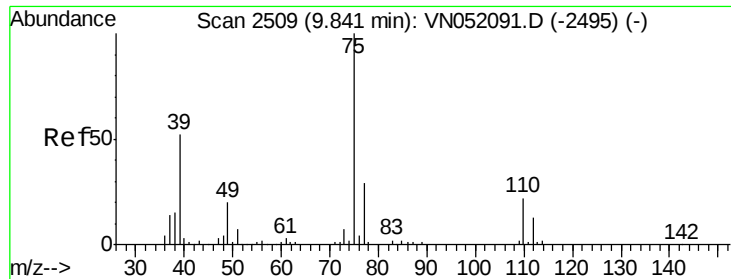
Tot Ion: 43 Resp: 81679
Ion Ratio Lower Upper
43 100
55 23.5 0.0 0.0#



#48
t-1,3-Dichloropropene
Concen: 18.887 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Tgt Ion: 75 Resp: 74058
Ion Ratio Lower Upper
75 100
77 32.9 26.3 39.5





#49

cis-1,3-Dichloropropene

Concen: 19.053 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD01

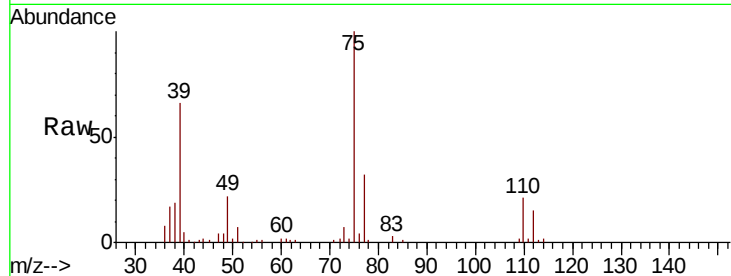
Tot Ion: 75 Resp: 86230

Ion Ratio Lower Upper

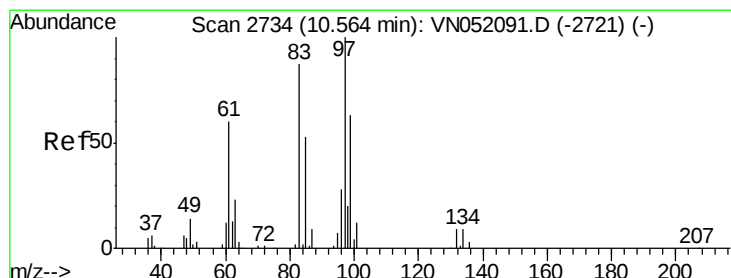
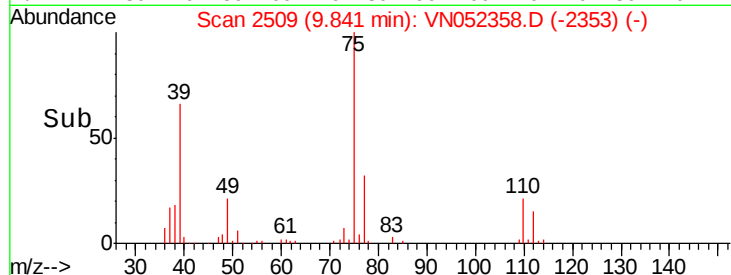
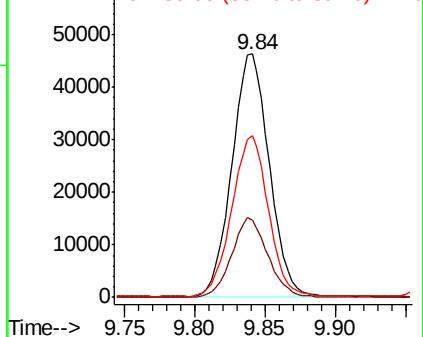
75 100

77 31.8 23.3 34.9

39 66.3 41.6 62.4#



Abundance Ion 75.00 (74.70 to 75.70): VNO
Ion 77.00 (76.70 to 77.70): VNO
Ion 39.00 (38.70 to 39.70): VNO



#50

1,1,2-Trichloroethane

Concen: 19.261 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Tgt Ion: 97 Resp: 49156

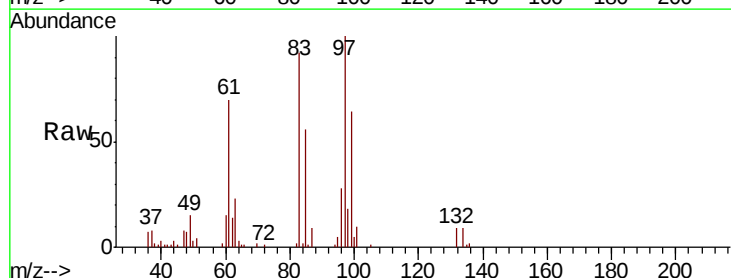
Ion Ratio Lower Upper

97 100

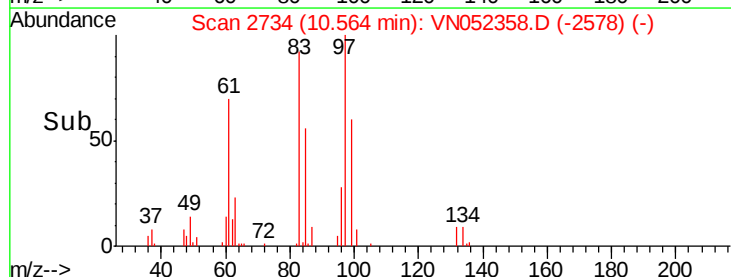
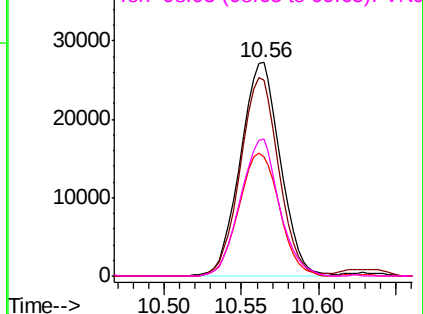
83 91.7 69.4 104.0

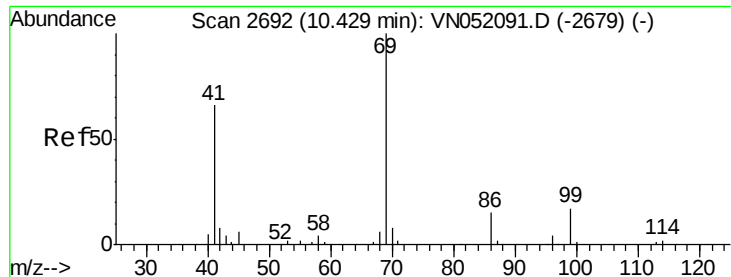
85 55.9 42.7 64.1

99 64.3 50.6 75.8



Abundance Ion 97.00 (96.70 to 97.70): VNO
Ion 82.95 (82.65 to 83.65): VNO
Ion 84.95 (84.65 to 85.65): VNO
Ion 98.95 (98.65 to 99.65): VNO

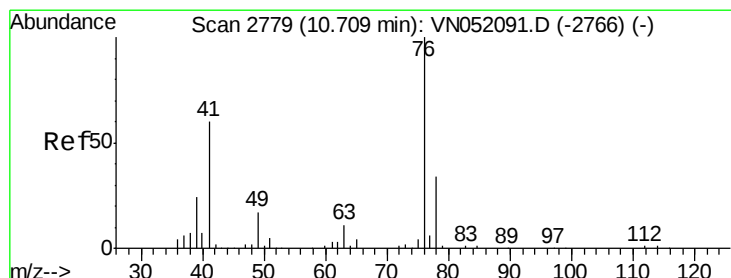
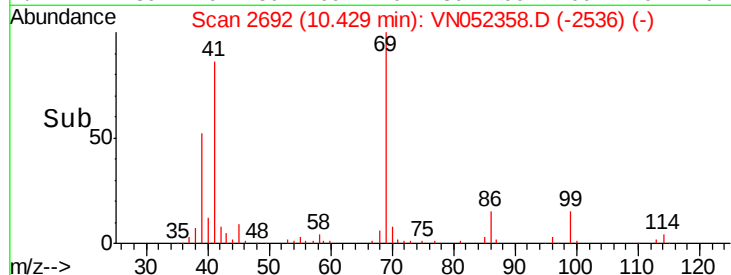
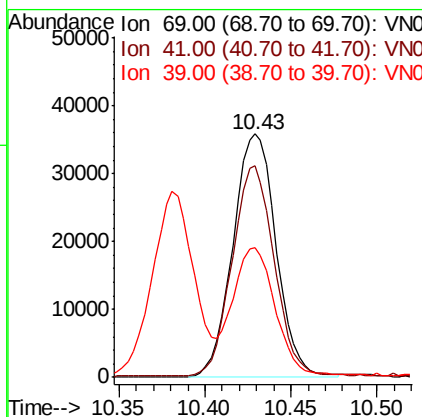
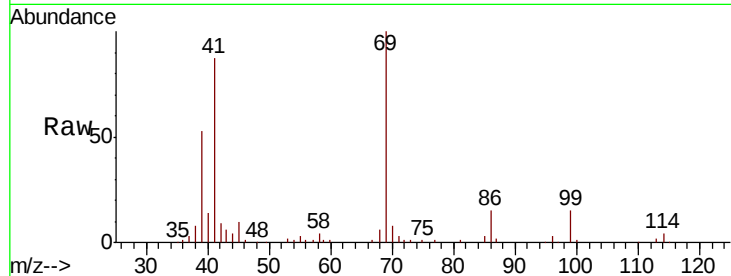




#51
Ethyl methacrylate
Concen: 18.984 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

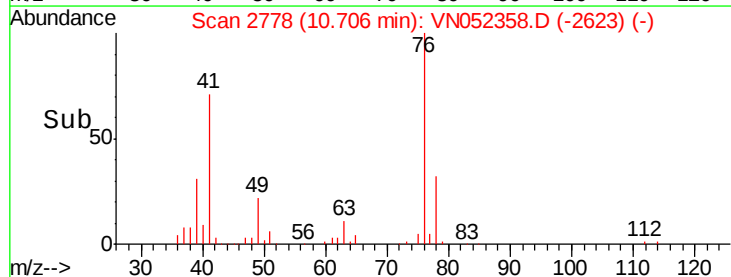
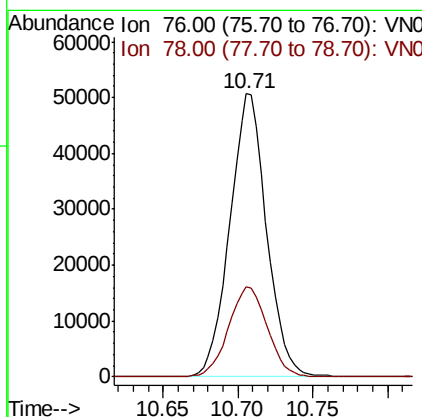
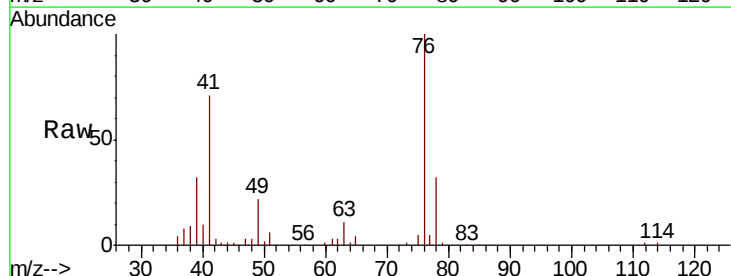
Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

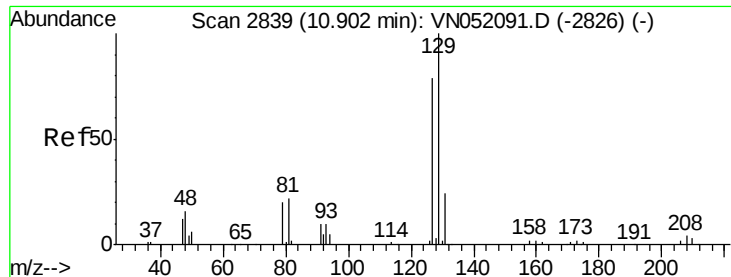
Tot Ion: 69 Resp: 62614
Ion Ratio Lower Upper
69 100
41 86.3 33.0 99.0
39 51.8 20.7 62.1



#52
1,3-Dichloropropane
Concen: 19.486 ug/l
RT: 10.71 min Scan# 2778
Delta R.T. -0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Tgt Ion: 76 Resp: 86623
Ion Ratio Lower Upper
76 100
78 33.5 0.0 65.0

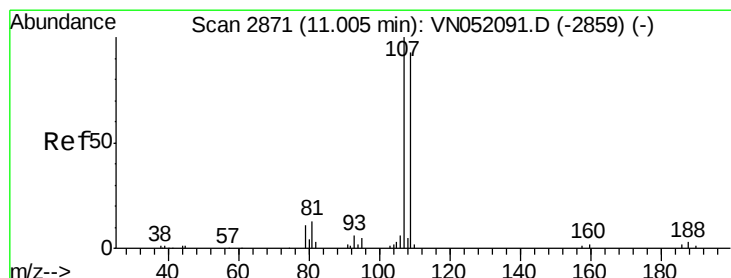
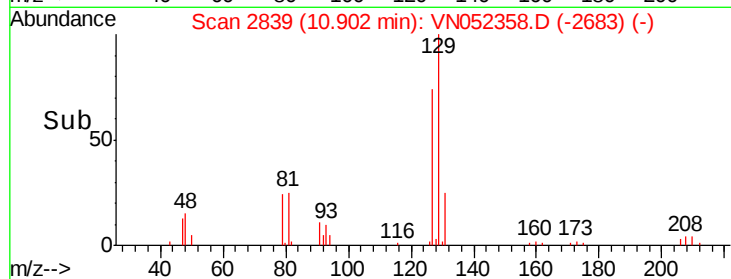
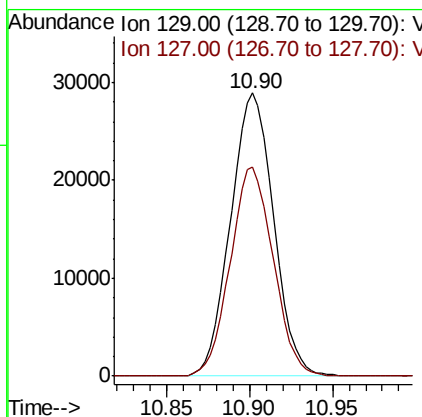
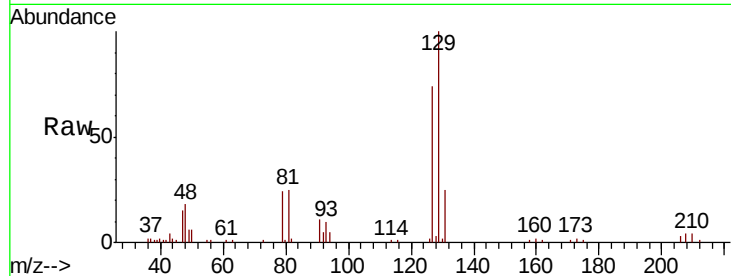




#53
 Dibromochloromethane
 Concen: 18.968 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

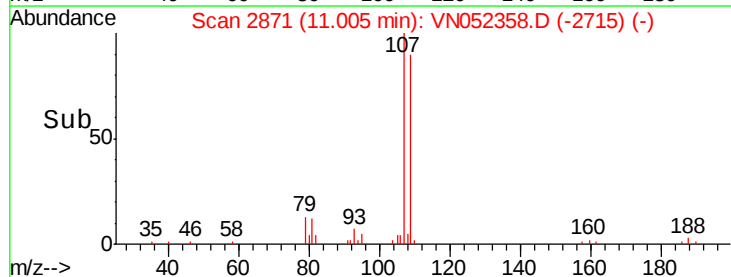
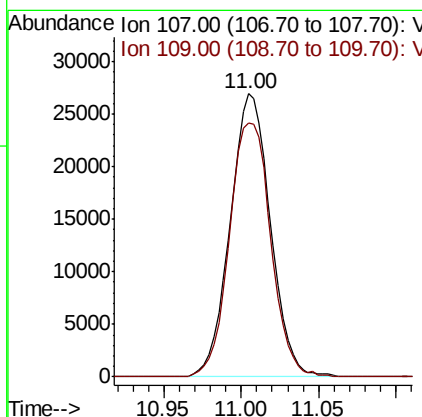
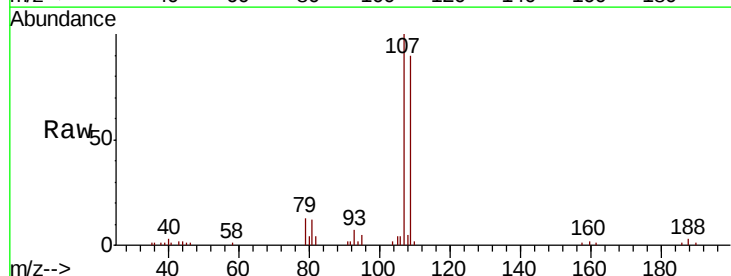
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD01

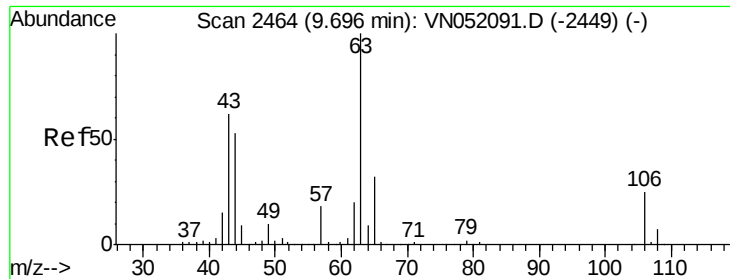
Tot Ion:129 Resp: 52259
 Ion Ratio Lower Upper
 129 100
 127 73.5 39.2 117.6



#54
 1,2-Dibromoethane
 Concen: 18.730 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

Tgt Ion:107 Resp: 48473
 Ion Ratio Lower Upper
 107 100
 109 92.0 77.0 115.6

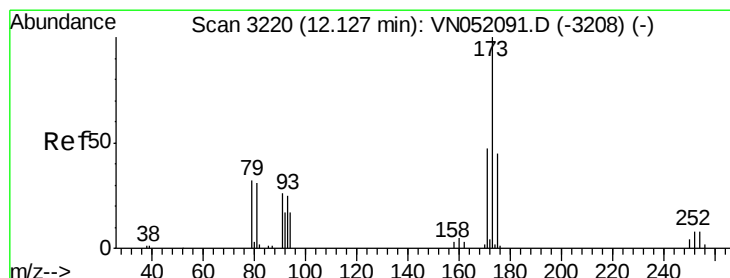
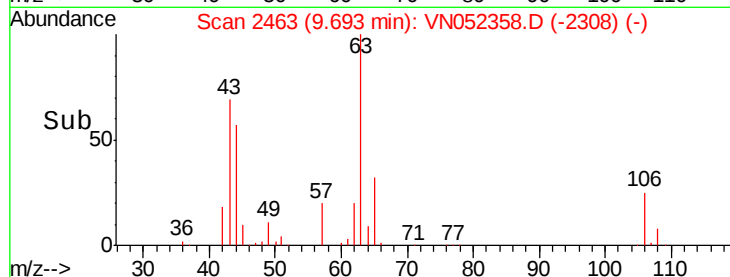
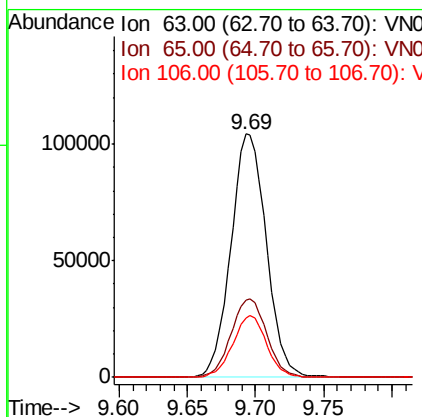
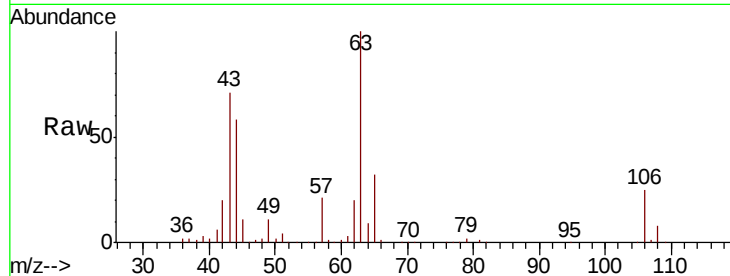




#55
2-Chloroethyl vinyl ether
Concen: 104.149 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

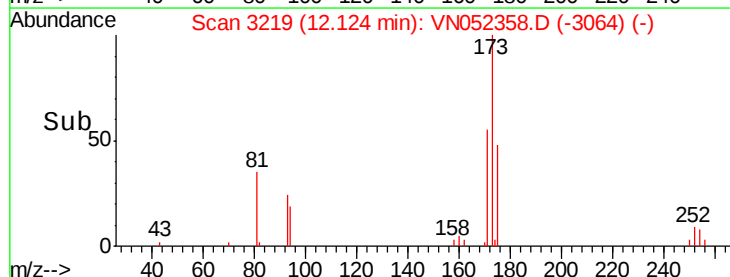
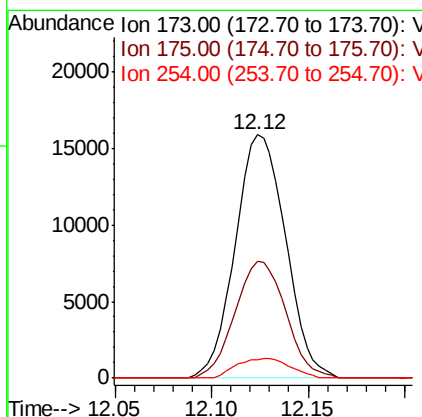
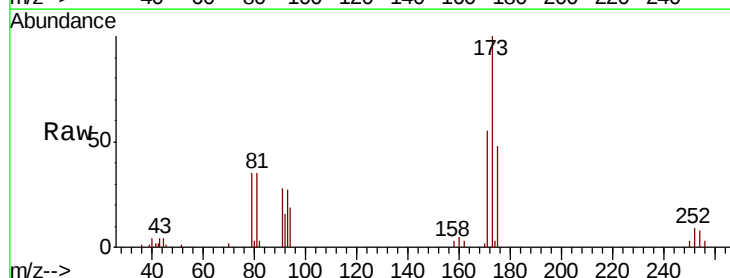
Instrument :
MSVOA_N
ClientSampled :
VN1116WBSD01

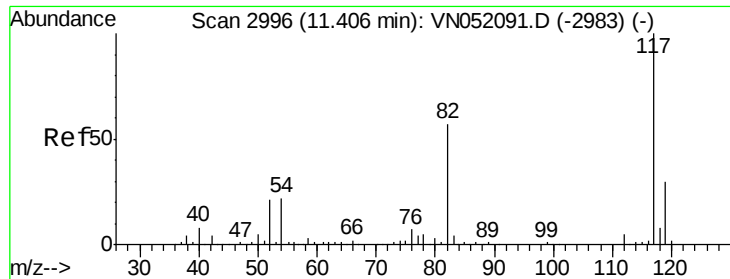
Tot Ion: 63 Resp: 188109
Ion Ratio Lower Upper
63 100
65 32.4 25.5 38.3
106 24.3 20.4 30.6



#56
Bromoform
Concen: 18.098 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Tgt Ion: 173 Resp: 28799
Ion Ratio Lower Upper
173 100
175 48.2 37.3 55.9
254 8.6 7.0 10.6

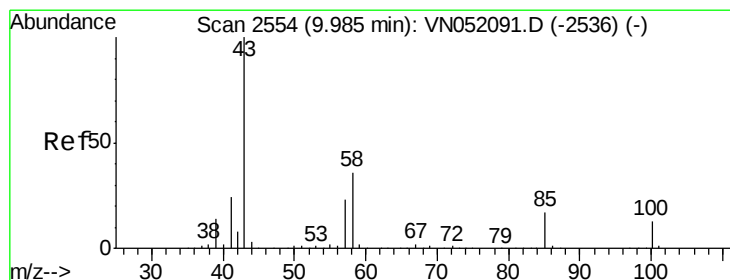
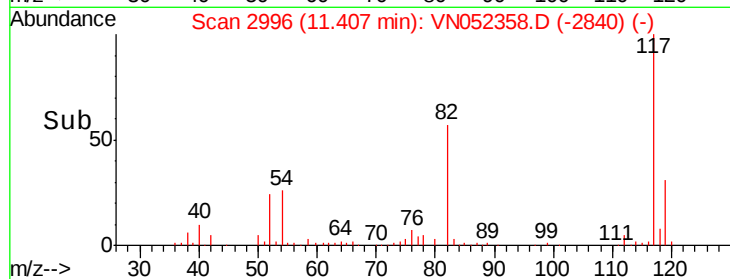
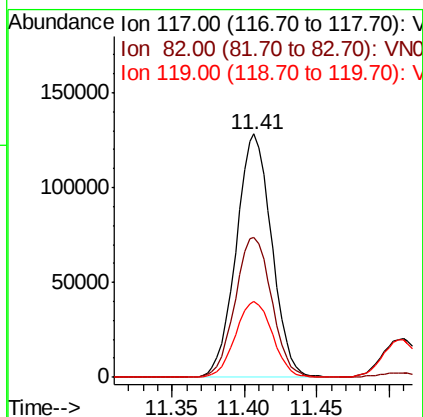
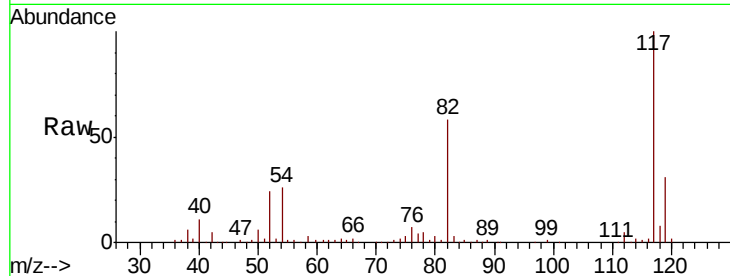




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

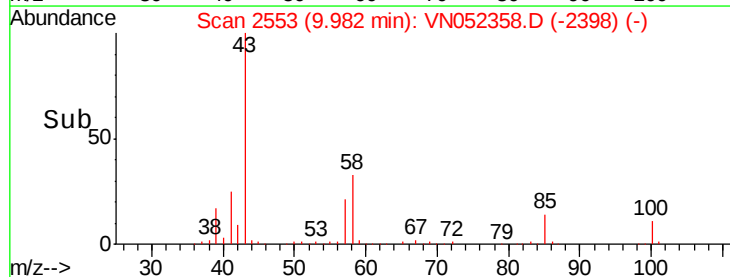
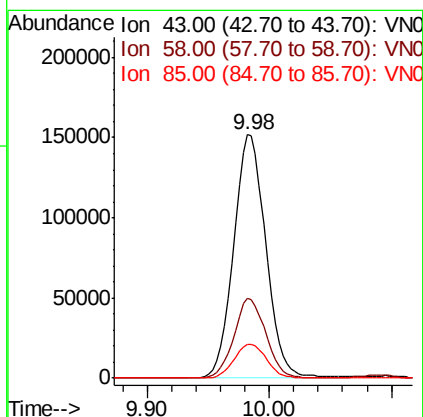
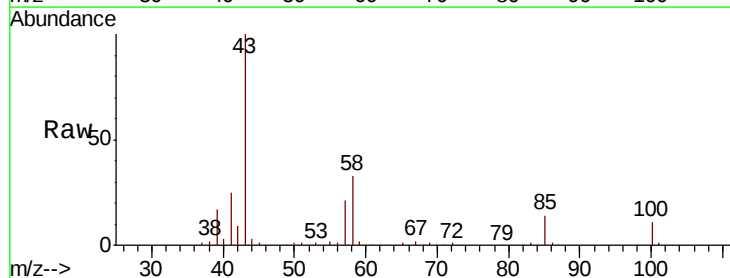
Instrument :
MSVOA_N
ClientSampled :
VN1116WBSD01

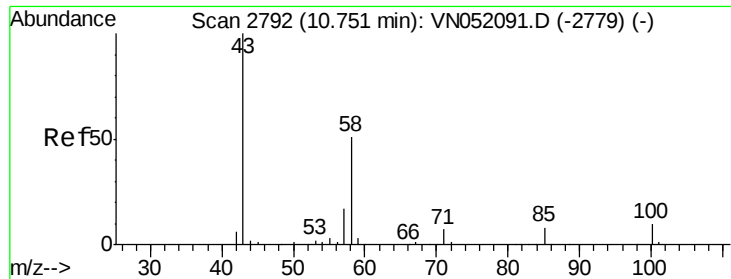
Tot Ion:117 Resp: 218818
Ion Ratio Lower Upper
117 100
82 59.0 45.0 67.6
119 32.3 24.2 36.4



#58
4-Methyl-2-Pentanone
Concen: 117.462 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Tgt Ion: 43 Resp: 275419
Ion Ratio Lower Upper
43 100
58 32.5 29.0 43.6
85 14.1 13.4 20.2

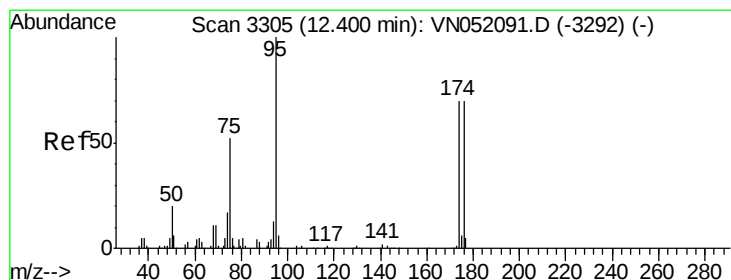
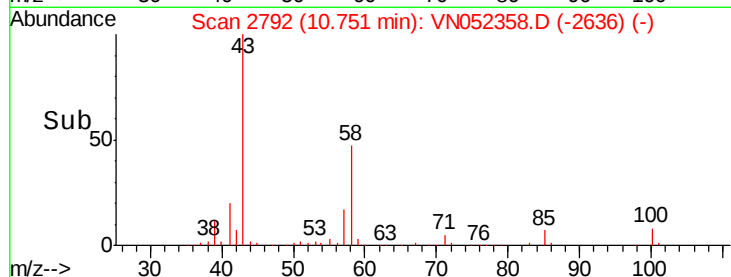
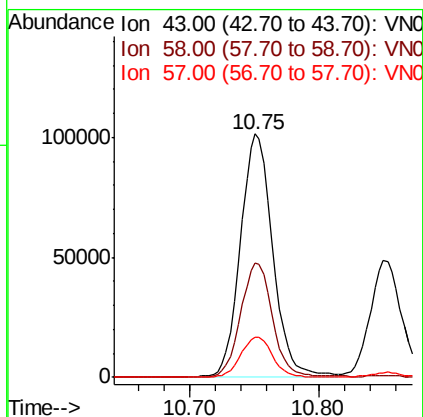
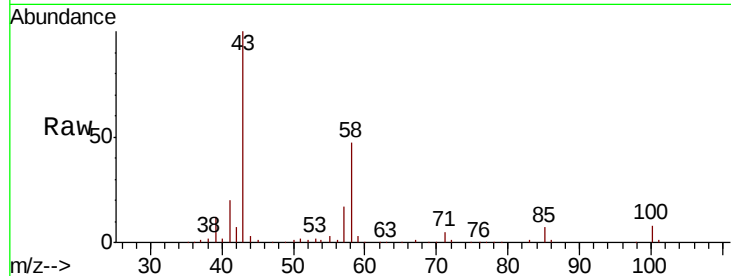




#59
2-Hexanone
Concen: 109.022 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

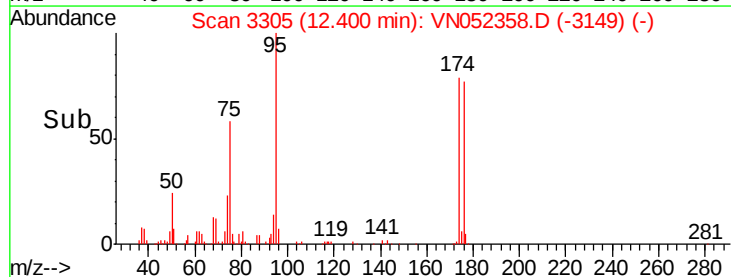
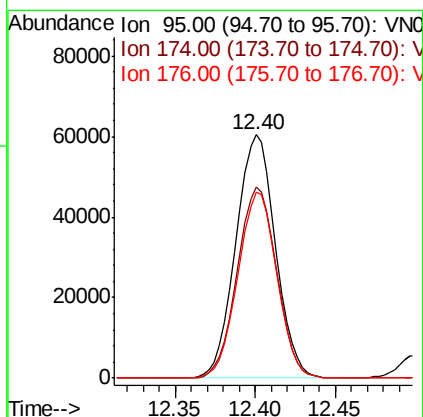
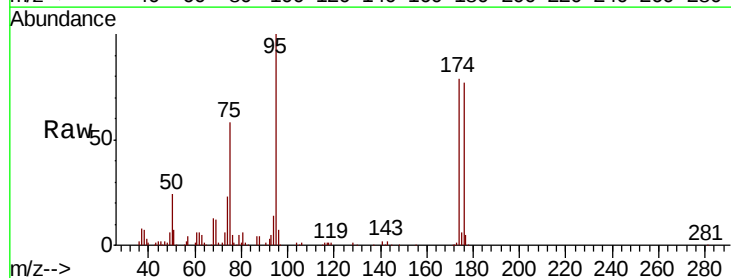
Instrument :
MSVOA_N
ClientSampled :
VN1116WBSD01

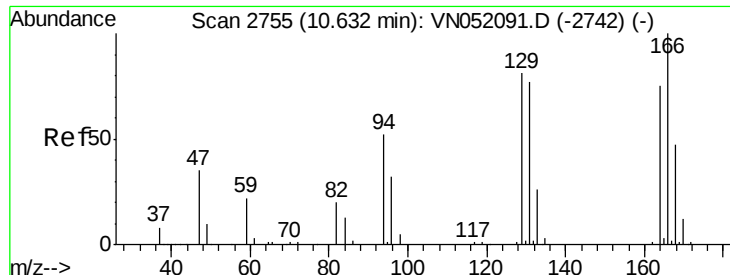
Tot Ion: 43 Resp: 176009
Ion Ratio Lower Upper
43 100
58 46.8 40.8 61.2
57 16.5 13.8 20.8



#60
4-Bromofluorobenzene
Concen: 109.022 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Tgt Ion: 95 Resp: 101789
Ion Ratio Lower Upper
95 100
174 78.4 55.0 82.6
176 75.4 54.2 81.4





#61

Tetrachloroethene

Concen: 23.064 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD01

Tot Ion:164 Resp: 54887

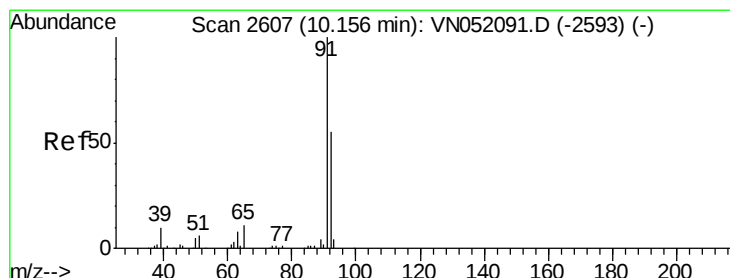
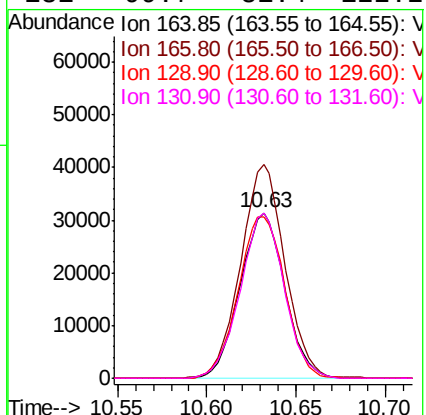
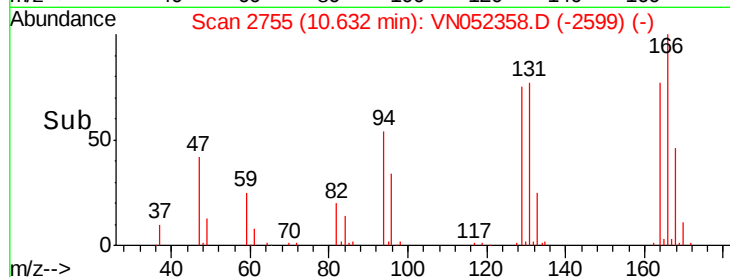
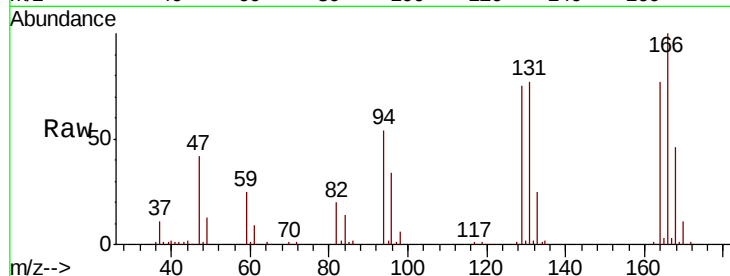
Ion Ratio Lower Upper

164 100

166 128.8 106.4 159.6

129 97.4 87.0 130.4

131 99.7 81.4 122.2



#62

Toluene

Concen: 19.025 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052358.D

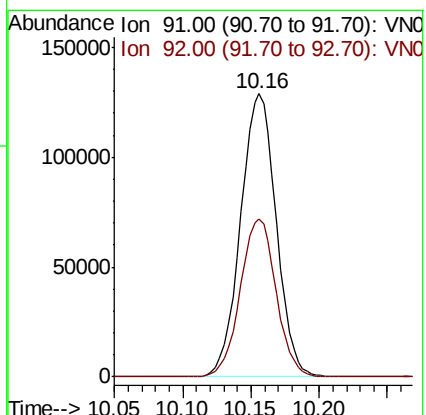
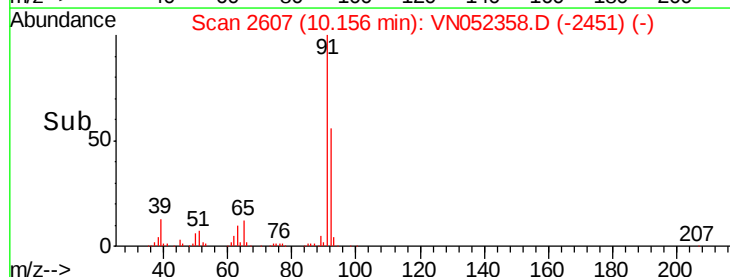
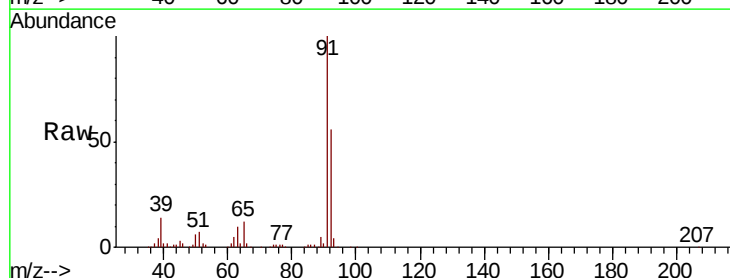
Acq: 16 Nov 2018 12:20

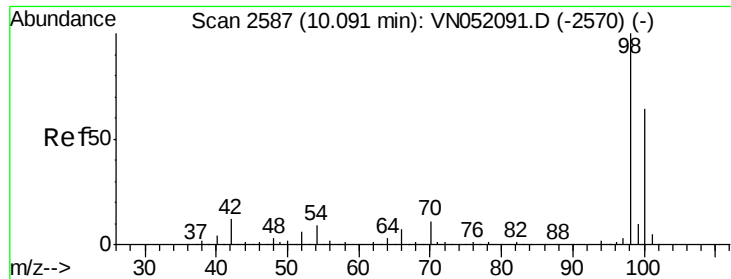
Tgt Ion: 91 Resp: 233693

Ion Ratio Lower Upper

91 100

92 56.0 44.6 67.0





#63

Toluene-d8

Concen: 19.025 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

ClientSampleId :

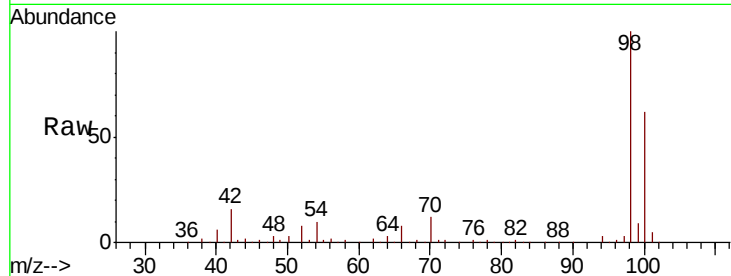
VN1116WBSD01

Tot Ion: 98 Resp: 312614

Ion Ratio Lower Upper

98 100

100 62.5 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN052091.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052091.D (-2570) (-)

10.09

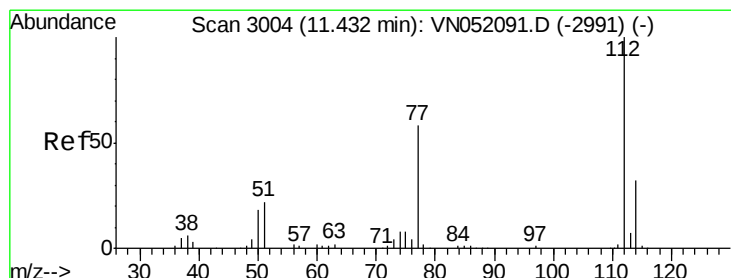
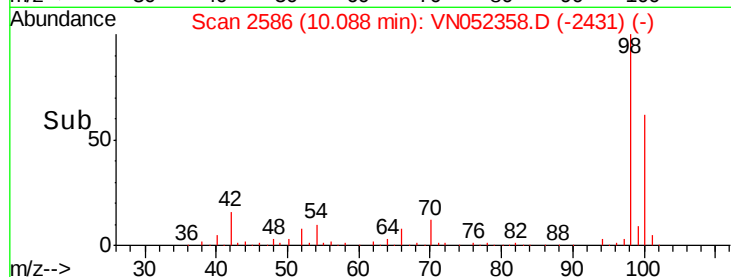
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 18.251 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052358.D

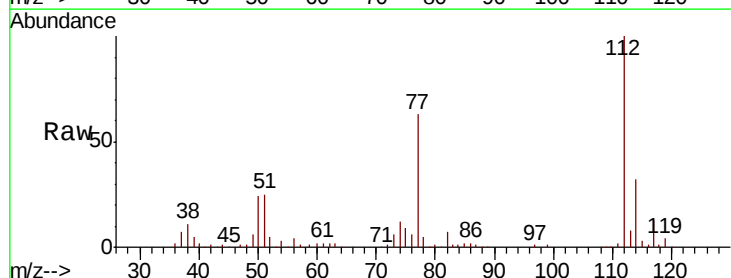
Acq: 16 Nov 2018 12:20

Tgt Ion: 112 Resp: 142085

Ion Ratio Lower Upper

112 100

114 31.8 25.5 38.3



Abundance Ion 112.00 (111.70 to 112.70): VN052091.D (-2991) (-)

Ion 114.00 (113.70 to 114.70): VN052091.D (-2991) (-)

11.43

80000

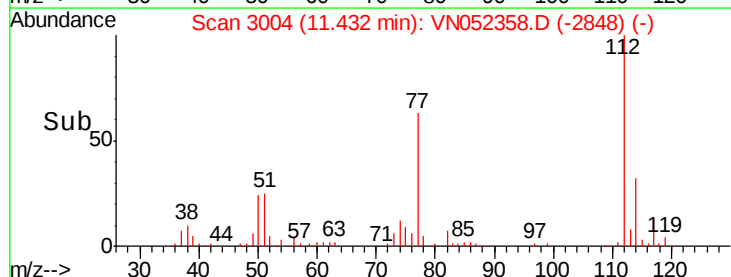
60000

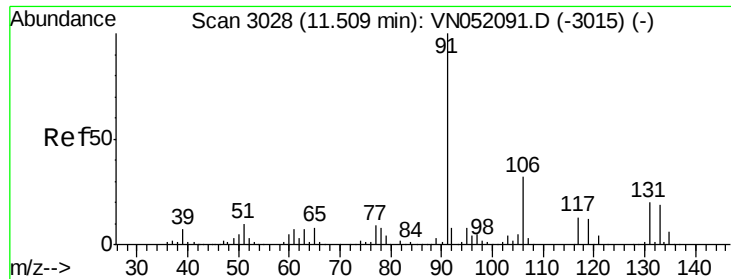
40000

20000

0

Time-->

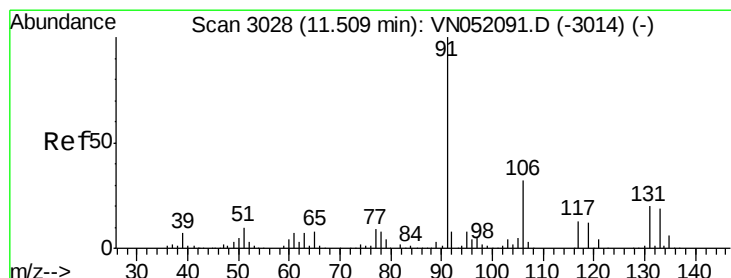
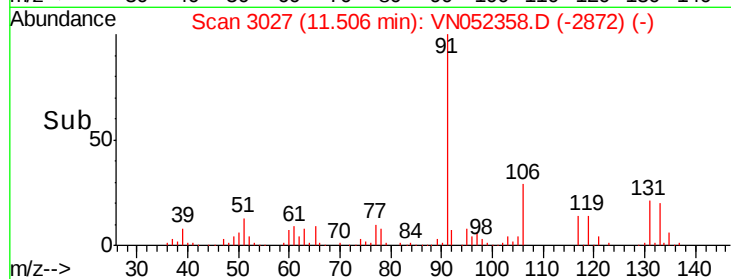
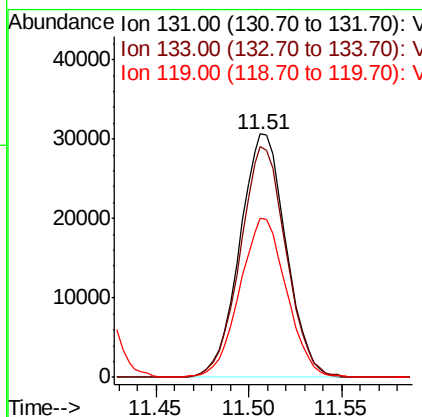
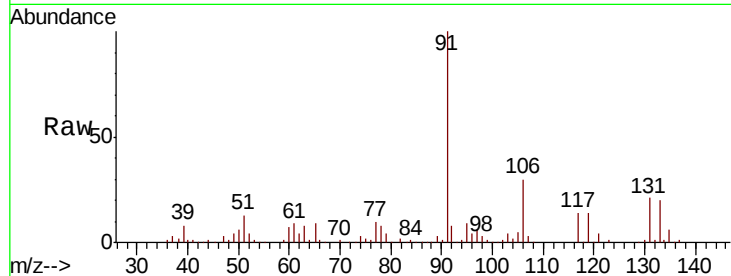




#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.017 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

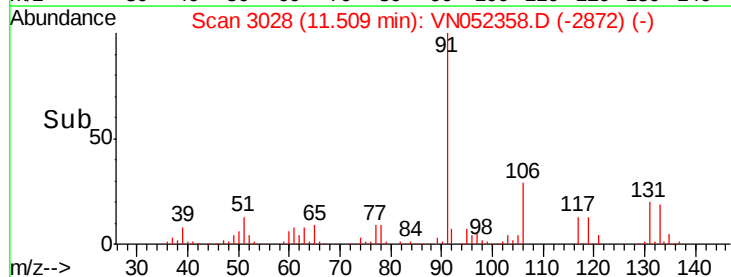
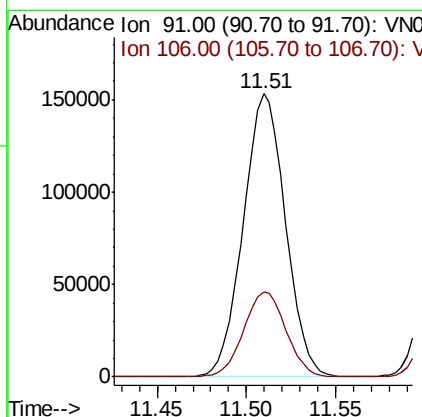
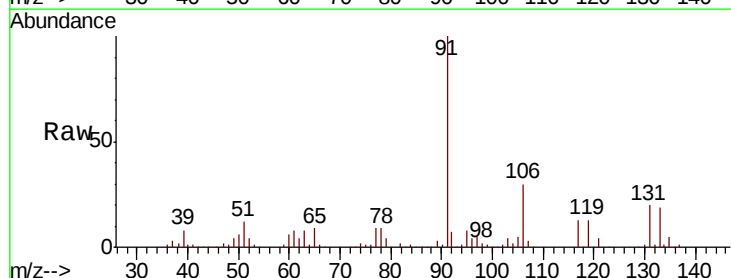
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD01

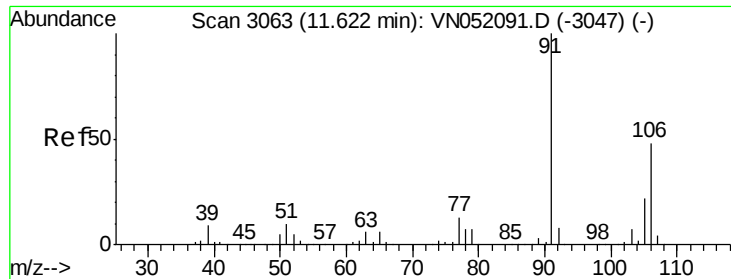
Tot Ion:131 Resp: 53039
 Ion Ratio Lower Upper
 131 100
 133 94.1 0.0 188.8
 119 66.0 0.0 131.4



#66
 Ethyl Benzene
 Concen: 19.104 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

Tgt Ion: 91 Resp: 253483
 Ion Ratio Lower Upper
 91 100
 106 30.1 25.7 38.5





#67

m/p-Xylenes

Concen: 36.129 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

ClientSampleId :

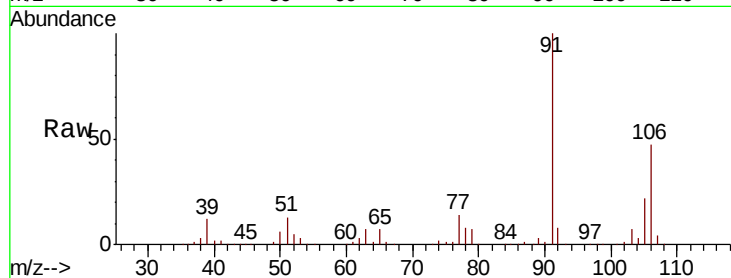
VN1116WBSD01

Tot Ion:106 Resp: 184555

Ion Ratio Lower Upper

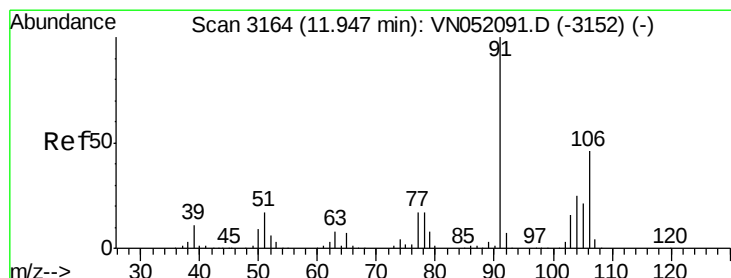
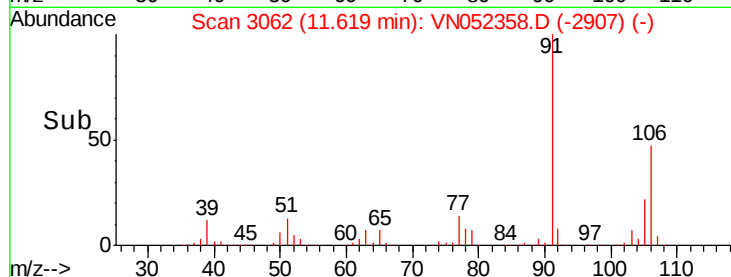
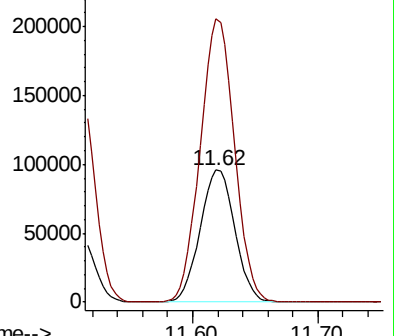
106 100

91 210.9 163.6 245.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 18.724 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN052358.D

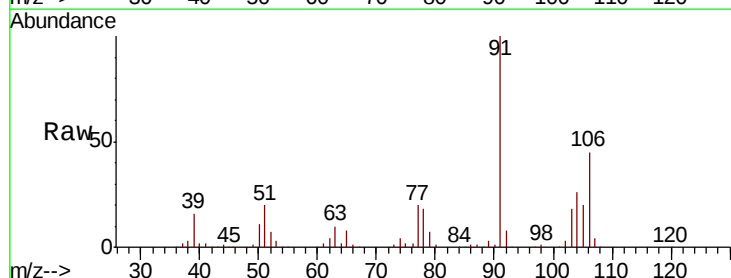
Acq: 16 Nov 2018 12:20

Tgt Ion:106 Resp: 91192

Ion Ratio Lower Upper

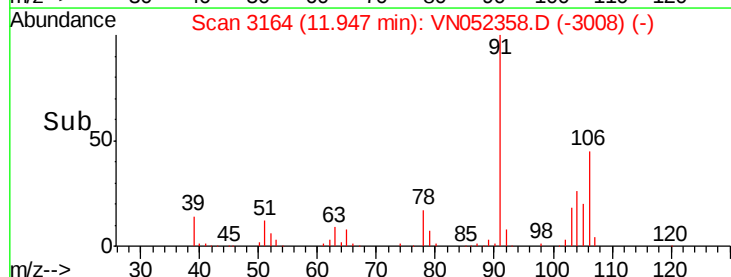
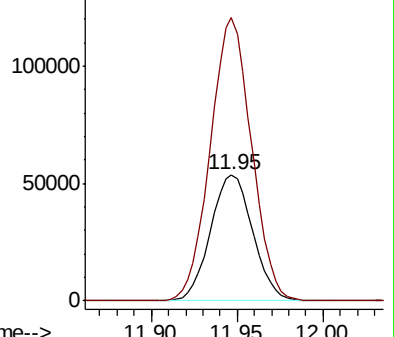
106 100

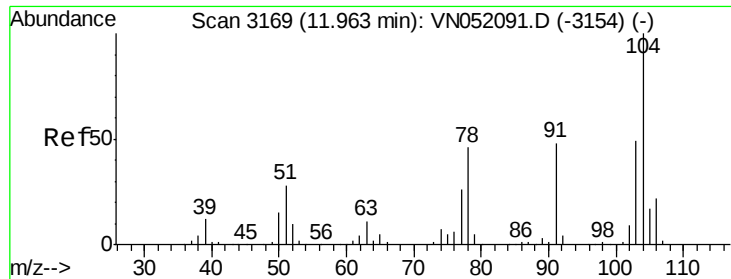
91 219.6 110.0 330.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

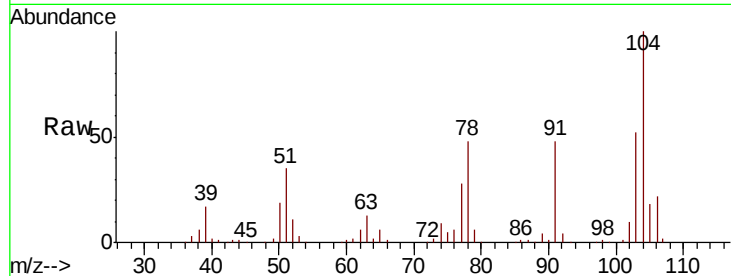




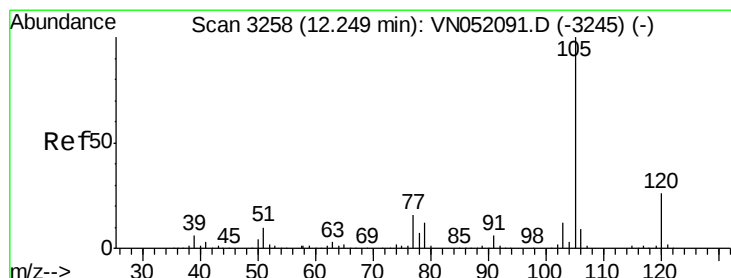
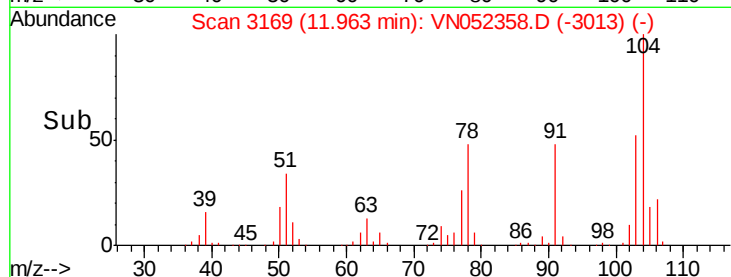
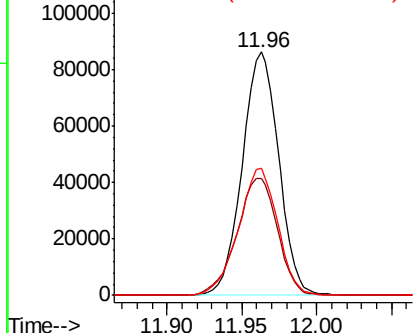
#69
Stvrene
Concen: 18.676 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

Tot Ion:104 Resp: 146567
Ion Ratio Lower Upper
104 100
78 53.7 41.3 61.9
103 56.0 43.3 64.9

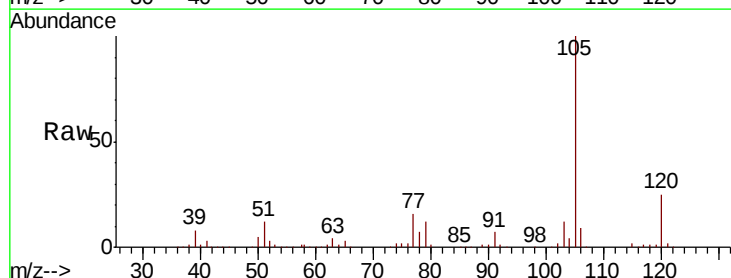


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

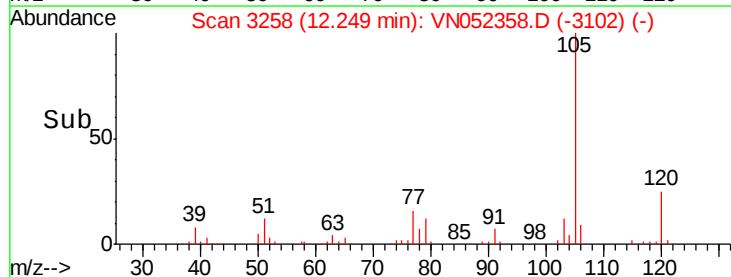
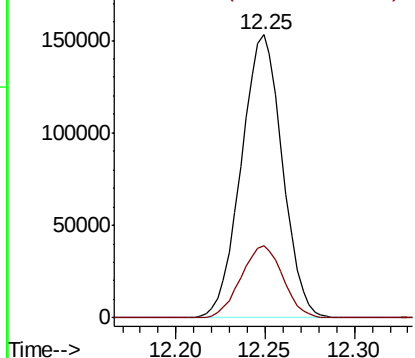


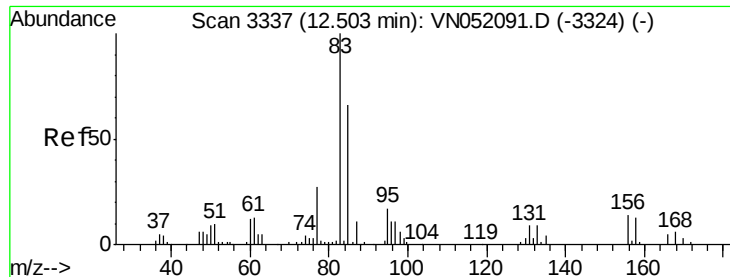
#70
Isopropylbenzene
Concen: 18.850 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Tgt Ion:105 Resp: 246451
Ion Ratio Lower Upper
105 100
120 26.0 18.4 34.2



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





#71

1,1,2,2-Tetrachloroethane

Concen: 19.734 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD01

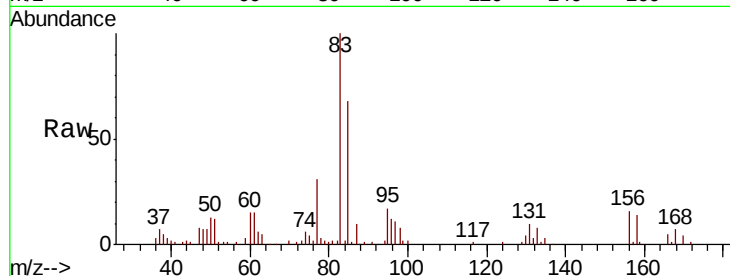
Tot Ion: 83 Resp: 56750

Ion Ratio Lower Upper

83 100

131 9.6 4.8 14.3

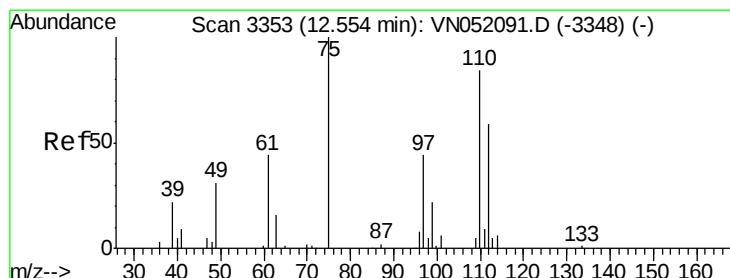
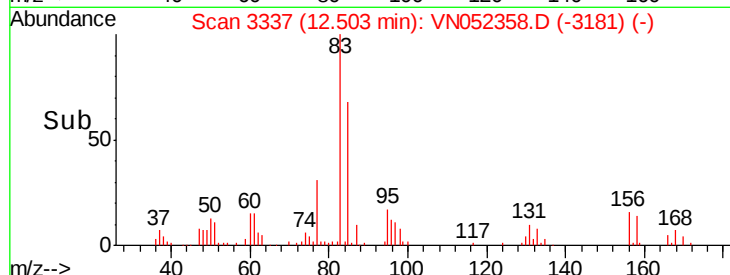
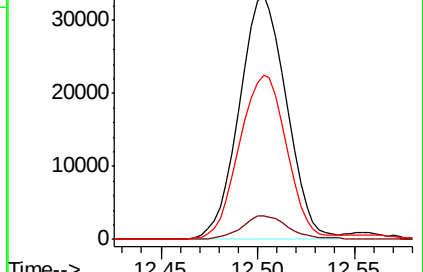
85 68.2 32.7 98.1



Abundance Ion 83.00 (82.70 to 83.70): VN052091.D (-3324) (-)

Ion 131.00 (130.70 to 131.70): VN052091.D (-3324) (-)

Ion 85.00 (84.70 to 85.70): VN052091.D (-3324) (-)



#72

1,2,3-Trichloropropane

Concen: 29.635 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052358.D

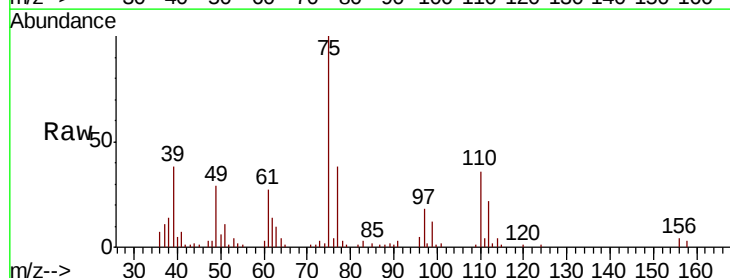
Acq: 16 Nov 2018 12:20

Tgt Ion: 75 Resp: 74931

Ion Ratio Lower Upper

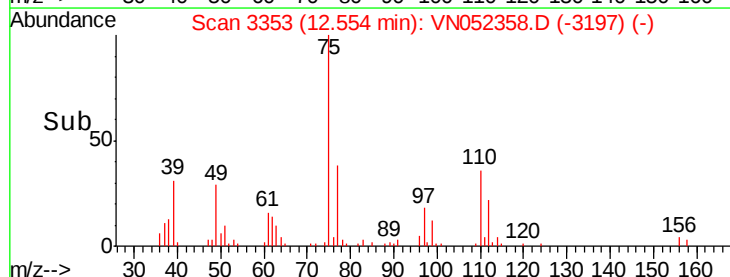
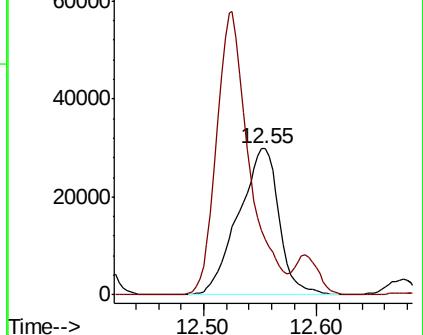
75 100

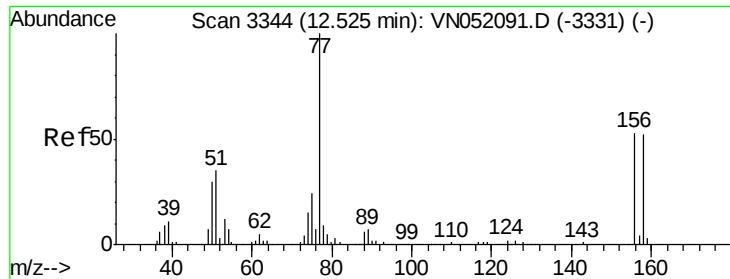
77 155.0 0.0 481.8



Abundance Ion 75.00 (74.70 to 75.70): VN052091.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN052091.D (-3348) (-)





#73

Bromobenzene

Concen: 19.627 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD01

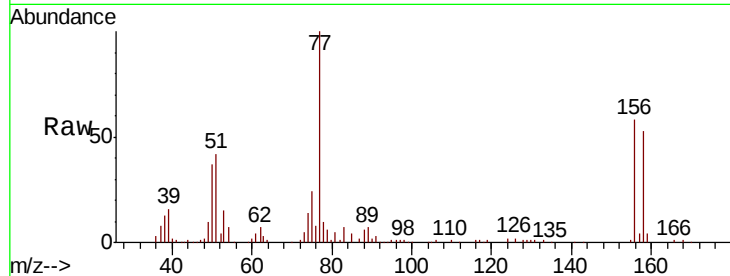
Tot Ion:156 Resp: 56859

Ion Ratio Lower Upper

156 100

77 204.3 0.0 428.0

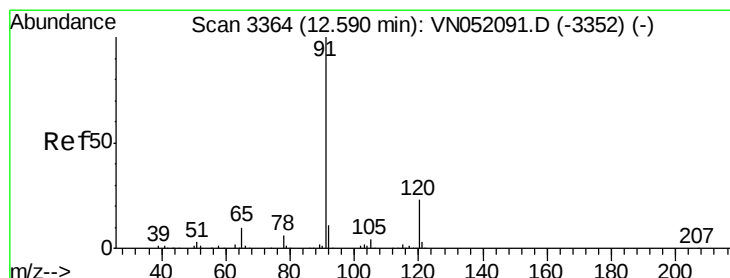
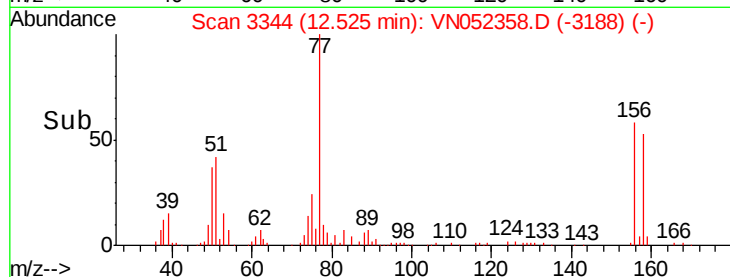
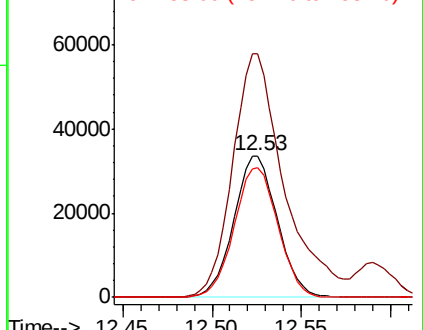
158 92.2 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.925 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052358.D

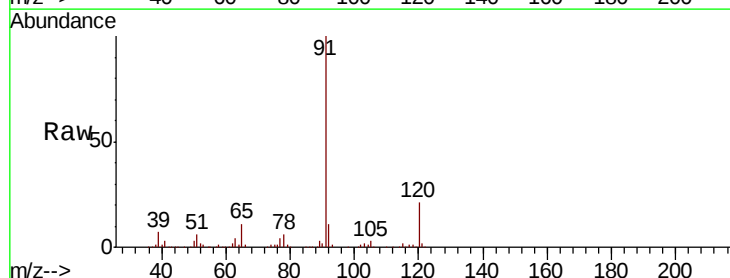
Acq: 16 Nov 2018 12:20

Tgt Ion: 91 Resp: 288124

Ion Ratio Lower Upper

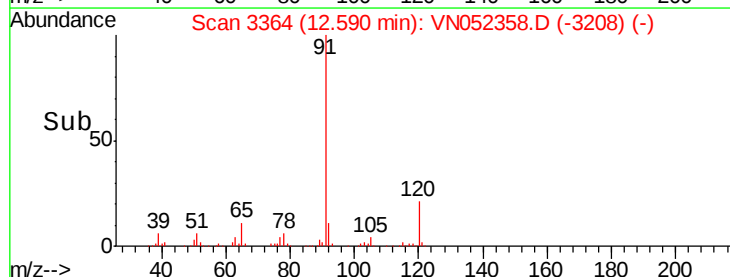
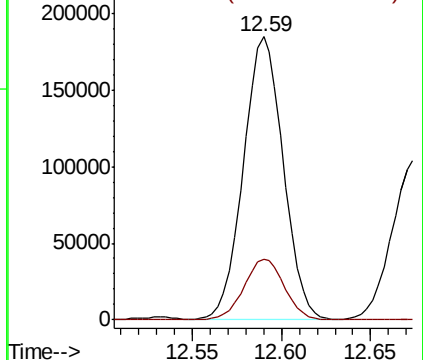
91 100

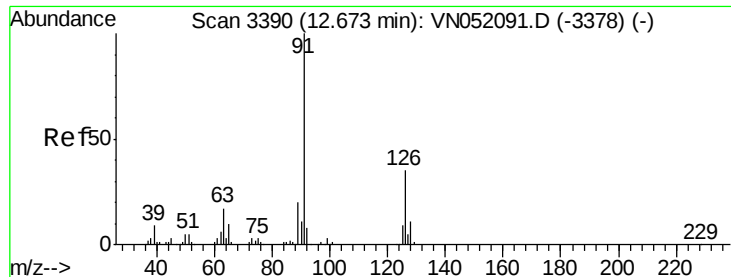
120 21.6 0.0 44.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.167 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

ClientSampleId :

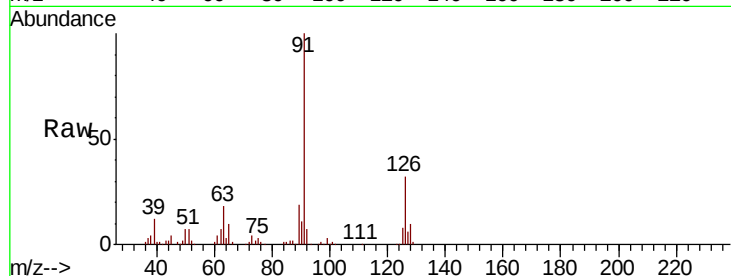
VN1116WBSD01

Tot Ion: 91 Resp: 168241

Ion Ratio Lower Upper

91 100

126 32.9 0.0 68.0



Abundance Ion 91.00 (90.70 to 91.70): VN052091.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN052091.D (-3378) (-)

200000

150000

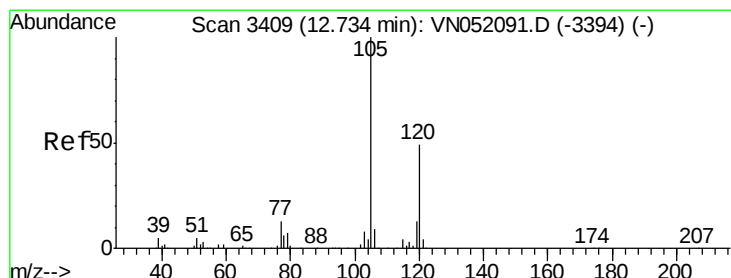
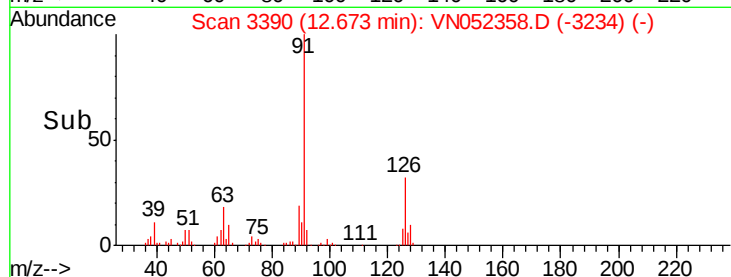
100000

50000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.278 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052358.D

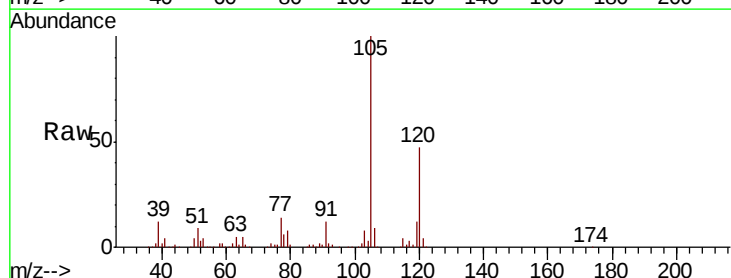
Acq: 16 Nov 2018 12:20

Tgt Ion: 105 Resp: 202107

Ion Ratio Lower Upper

105 100

120 46.0 0.0 95.8



Abundance Ion 105.00 (104.70 to 105.70): VN052091.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN052091.D (-3394) (-)

150000

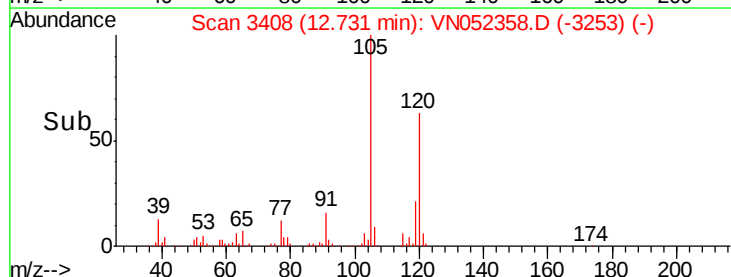
100000

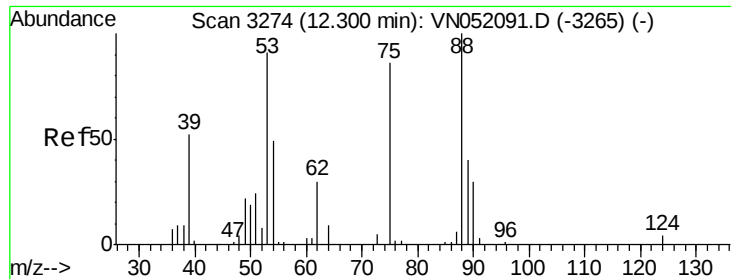
50000

0

12.65 12.70 12.75 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 16.571 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD01

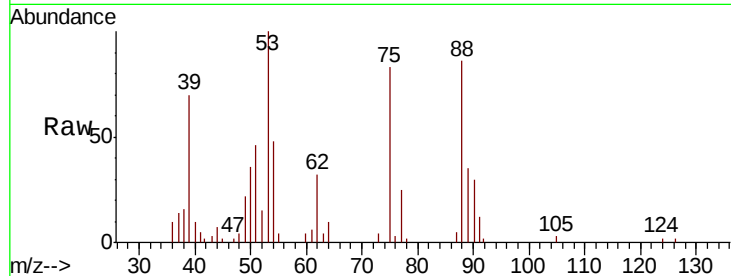
Tot Ion: 75 Resp: 13110

Ion Ratio Lower Upper

75 100

53 121.3 50.7 152.1

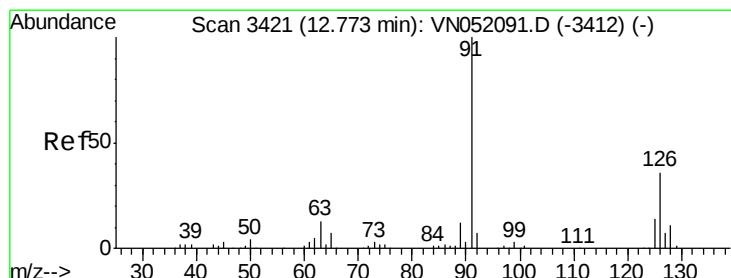
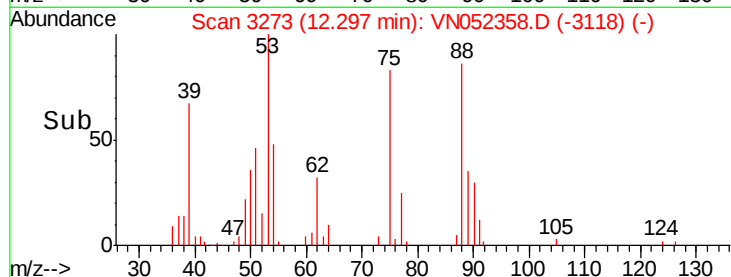
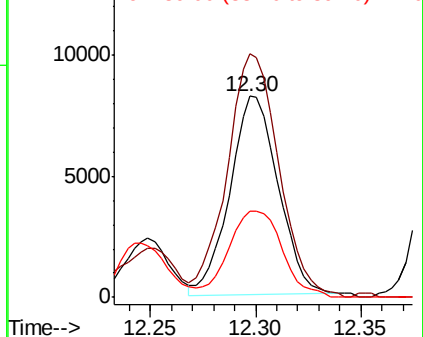
89 43.8 23.8 71.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.029 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052358.D

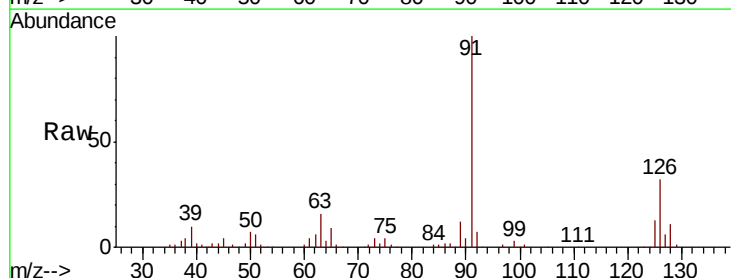
Acq: 16 Nov 2018 12:20

Tgt Ion: 91 Resp: 168201

Ion Ratio Lower Upper

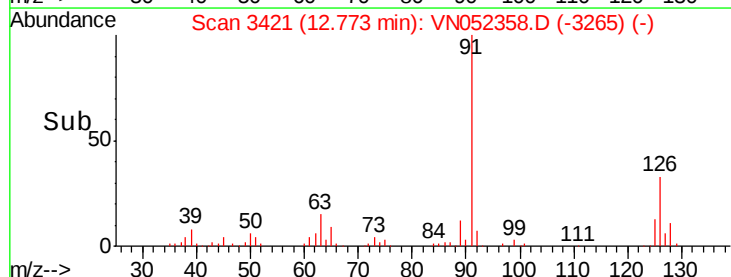
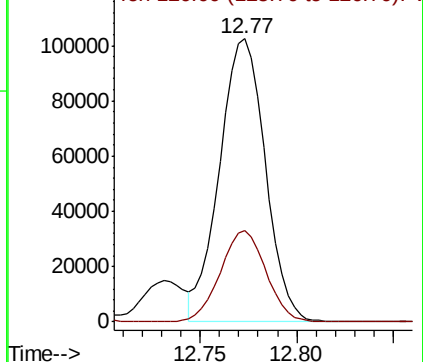
91 100

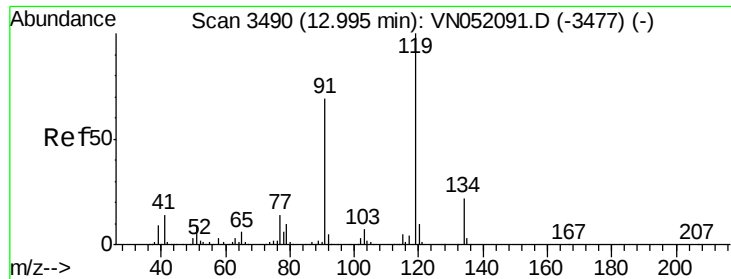
126 32.2 0.0 68.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

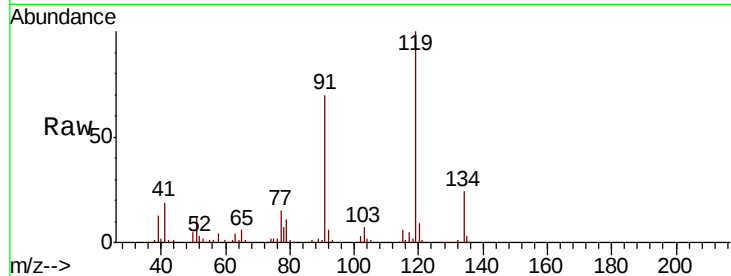




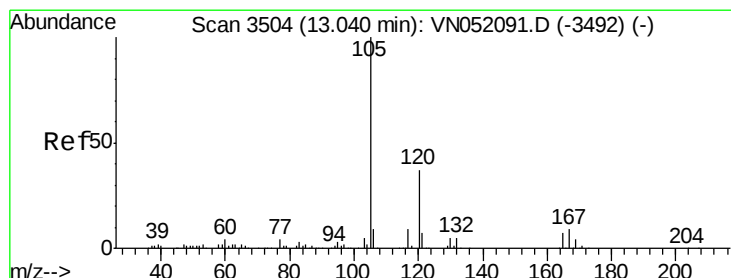
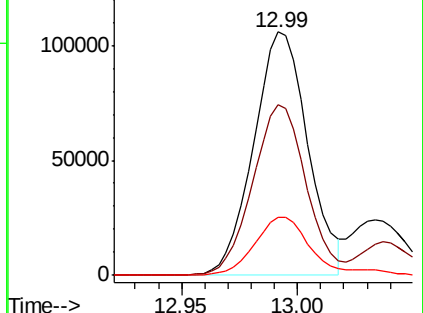
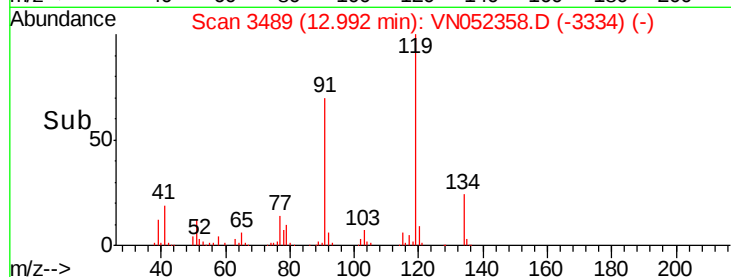
#79
tert-butylbenzene
Concen: 18.906 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

Tot Ion:119 Resp: 172650
Ion Ratio Lower Upper
119 100
91 69.2 0.0 131.2
134 24.0 0.0 45.8

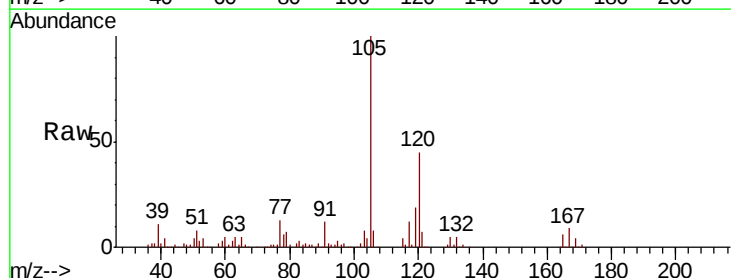


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

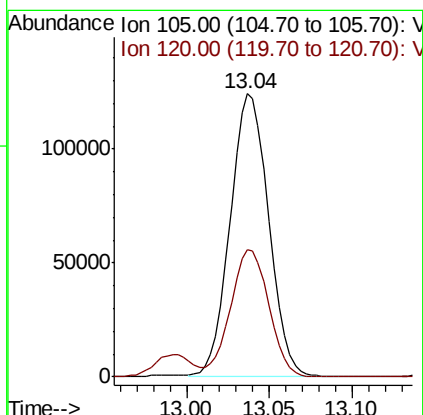
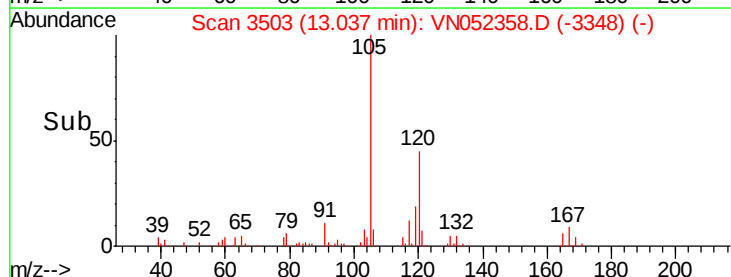


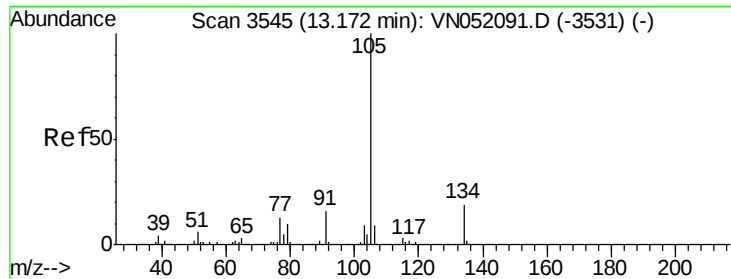
#80
1,2,4-Trimethylbenzene
Concen: 19.233 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Tgt Ion:105 Resp: 200874
Ion Ratio Lower Upper
105 100
120 45.0 0.0 89.4



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

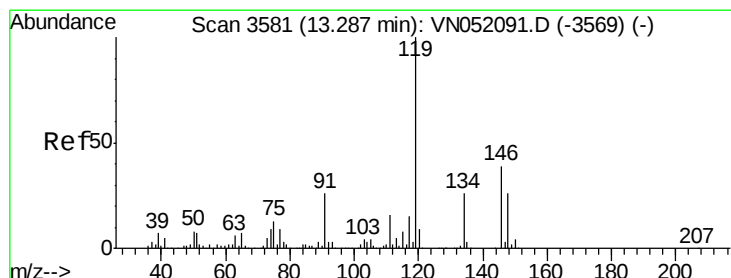
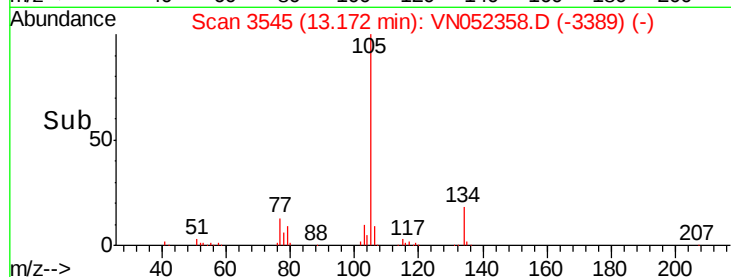
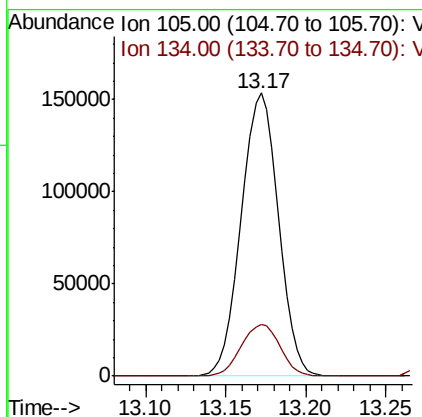
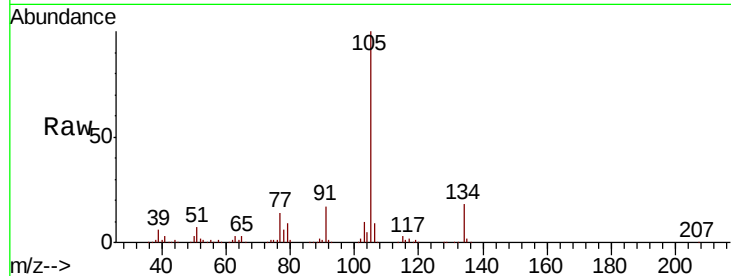




#81
 sec-Butylbenzene
 Concen: 19.382 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

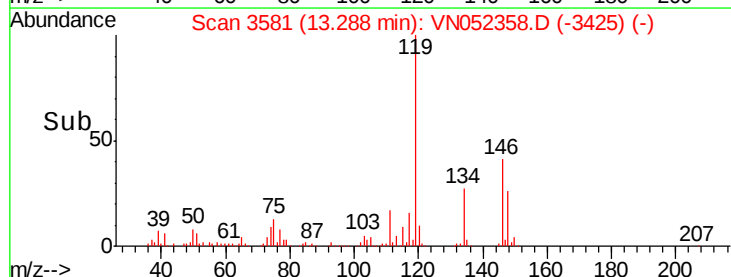
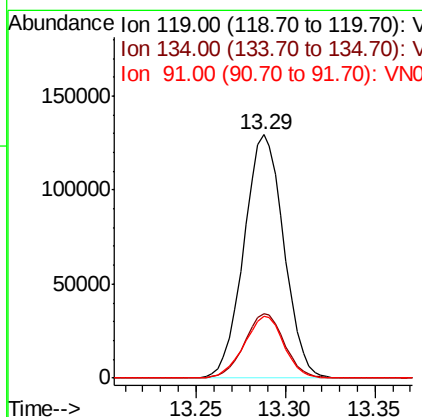
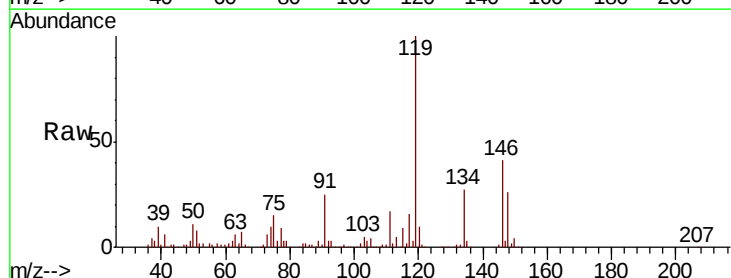
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD01

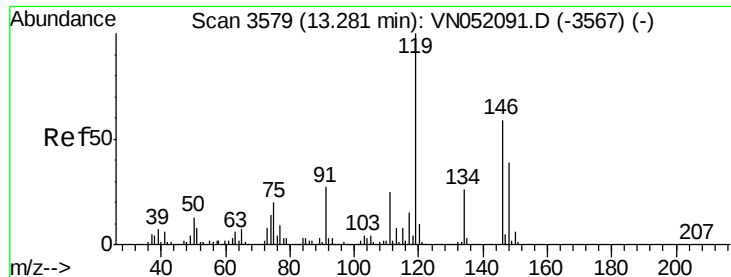
Tot Ion:105 Resp: 243586
 Ion Ratio Lower Upper
 105 100
 134 19.0 0.0 38.6



#82
 p-Isopropyltoluene
 Concen: 18.993 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

Tgt Ion:119 Resp: 201719
 Ion Ratio Lower Upper
 119 100
 134 26.4 0.0 52.0
 91 25.5 0.0 50.8

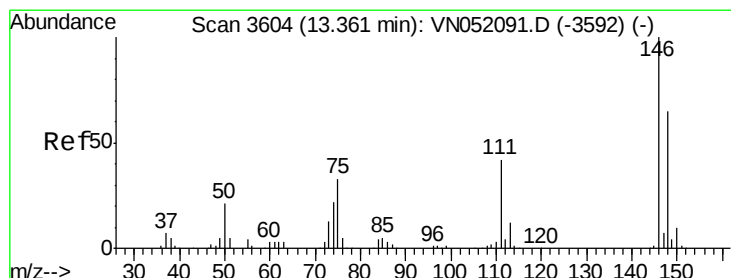
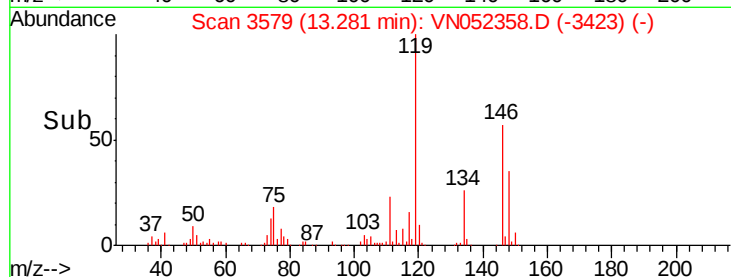
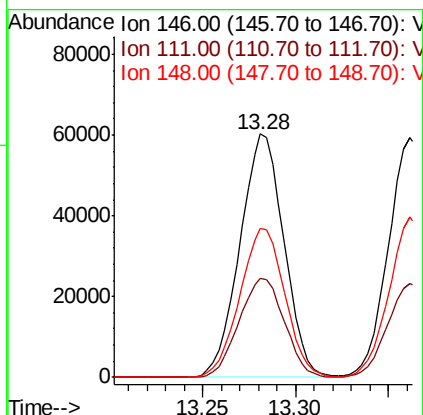
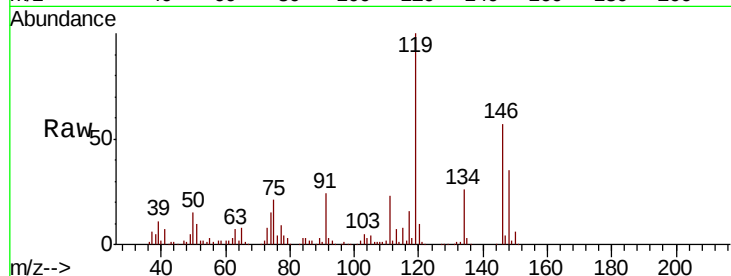




#83
 1,3-Dichlorobenzene
 Concen: 19.366 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

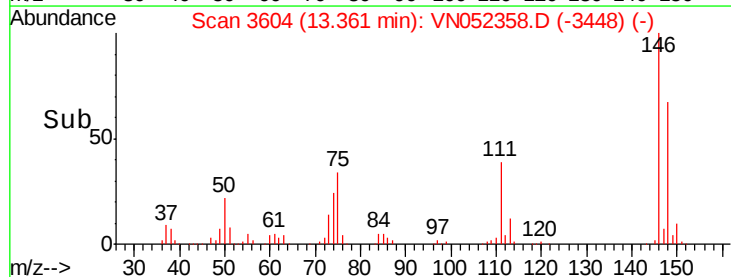
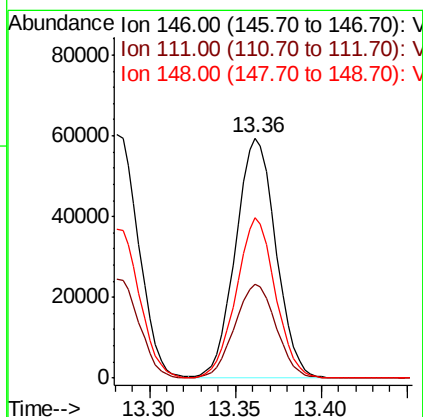
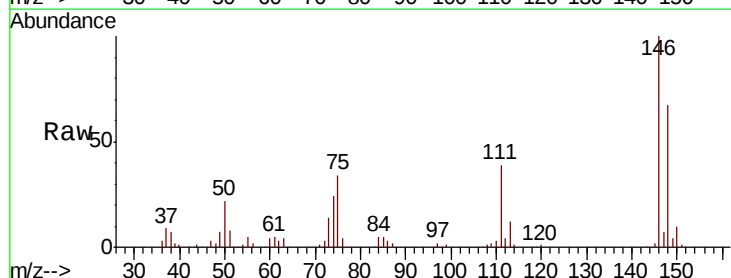
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD01

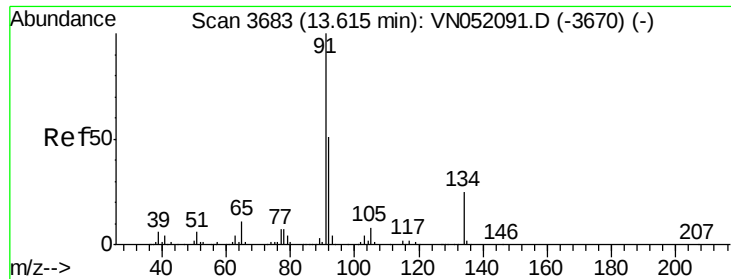
Tot Ion:146 Resp: 99238
 Ion Ratio Lower Upper
 146 100
 111 41.8 21.0 63.0
 148 62.6 33.4 100.2



#84
 1,4-Dichlorobenzene
 Concen: 19.075 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

Tgt Ion:146 Resp: 96763
 Ion Ratio Lower Upper
 146 100
 111 39.9 21.4 64.2
 148 64.5 32.6 98.0

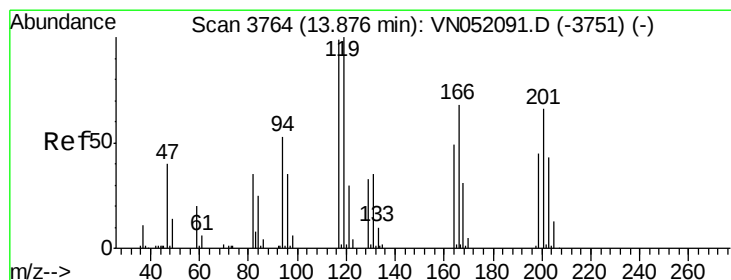
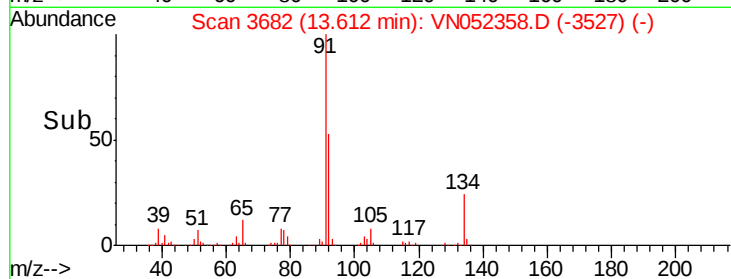
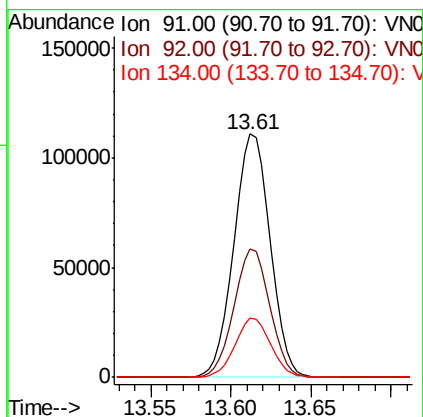
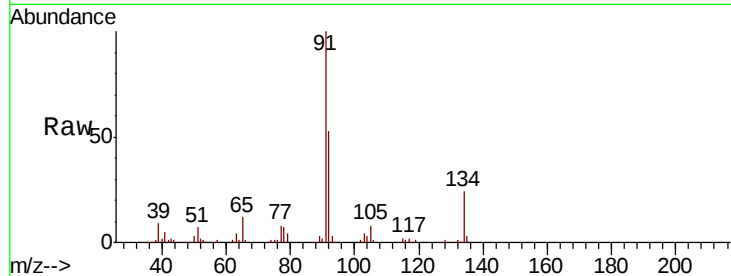




#85
n-Butylbenzene
Concen: 18.573 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

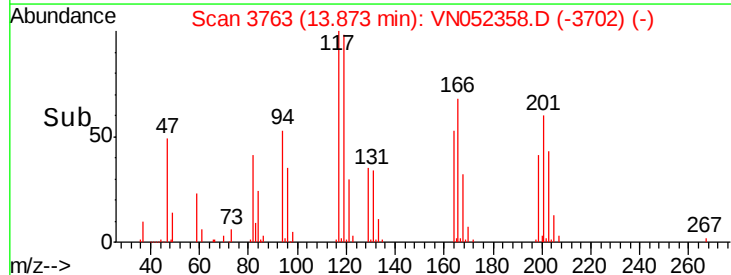
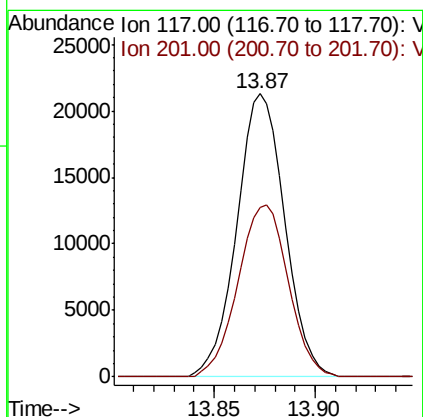
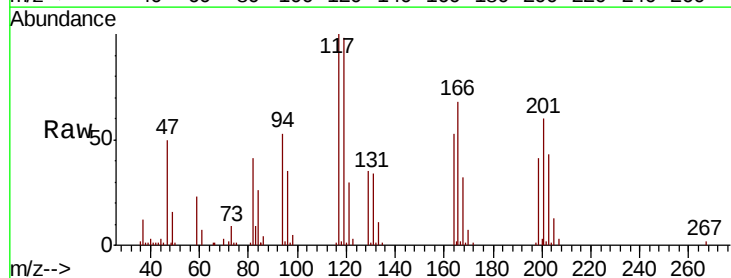
Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

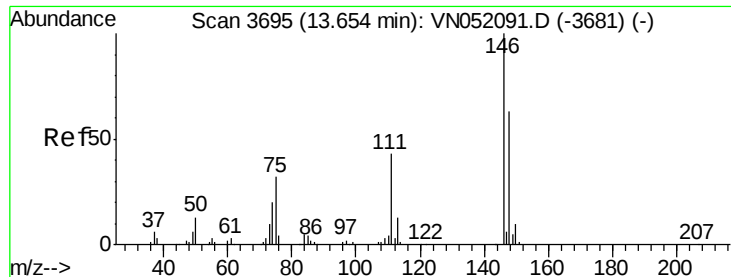
Tot Ion: 91 Resp: 170732
Ion Ratio Lower Upper
91 100
92 52.2 0.0 102.8
134 23.8 0.0 49.2



#86
Hexachloroethane
Concen: 19.766 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Tgt Ion: 117 Resp: 35427
Ion Ratio Lower Upper
117 100
201 63.7 32.2 96.6





#87

1,2-Dichlorobenzene

Concen: 19.868 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD01

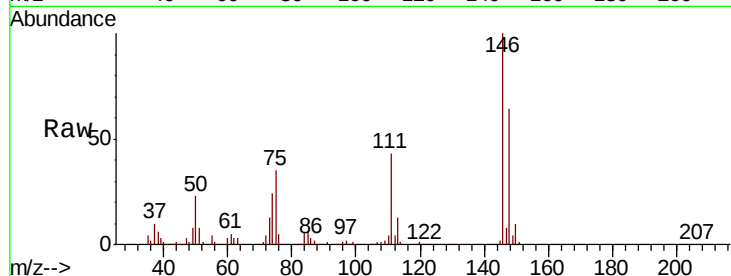
Tot Ion:146 Resp: 96728

Ion Ratio Lower Upper

146 100

111 42.8 22.4 67.0

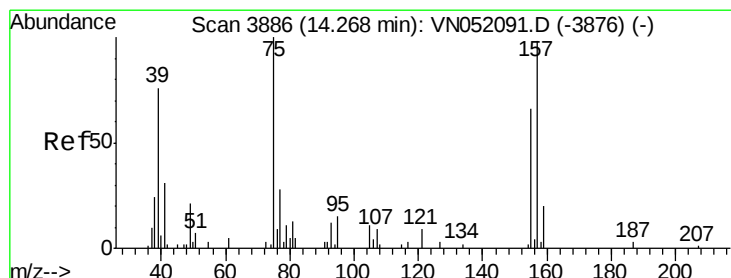
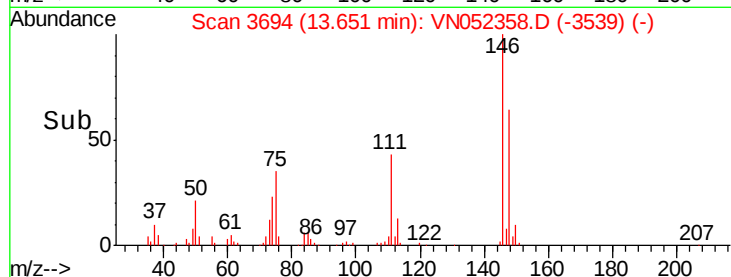
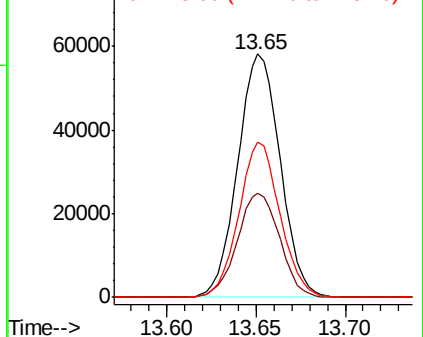
148 61.8 32.5 97.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 21.906 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

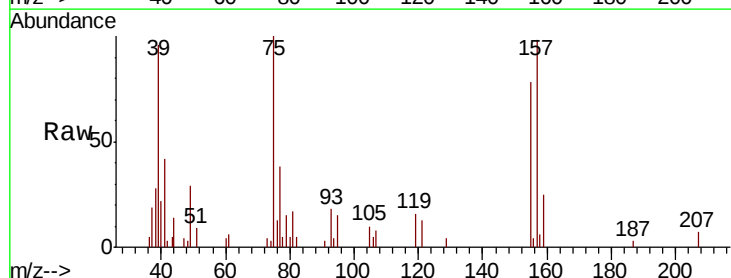
Tgt Ion: 75 Resp: 8614

Ion Ratio Lower Upper

75 100

155 78.6 56.7 85.1

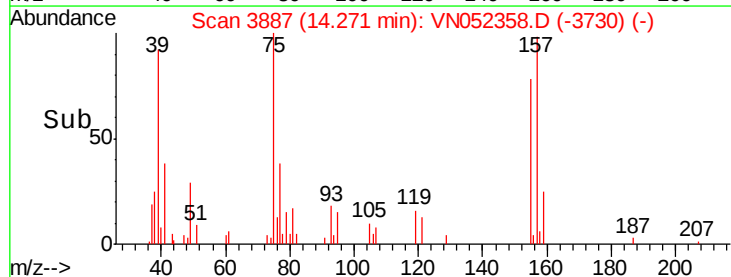
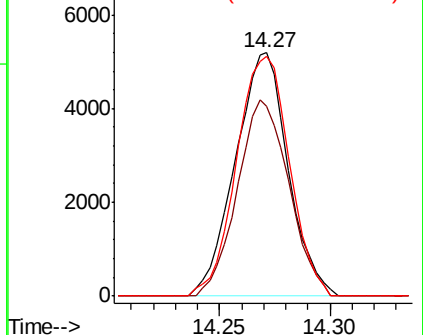
157 98.8 80.4 120.6

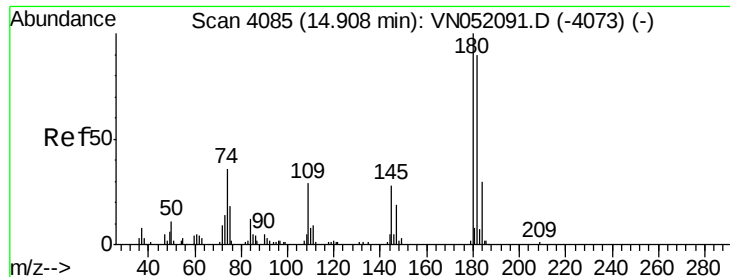


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

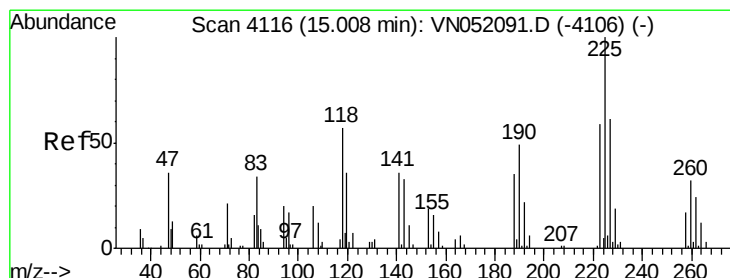
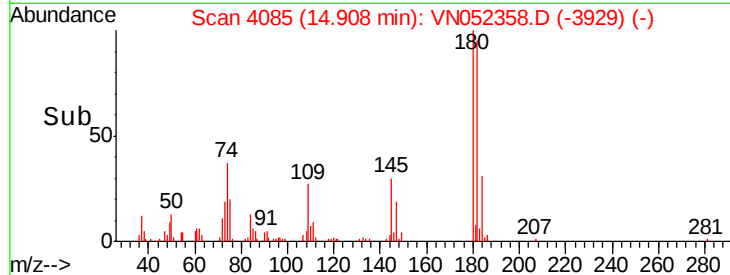
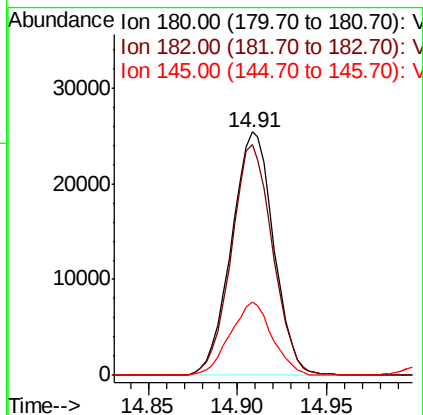
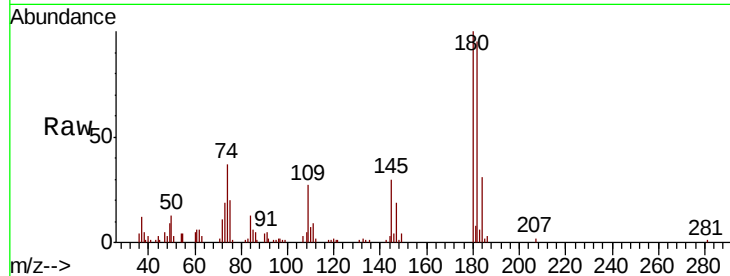




#89
 1,2,4-Trichlorobenzene
 Concen: 21.207 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

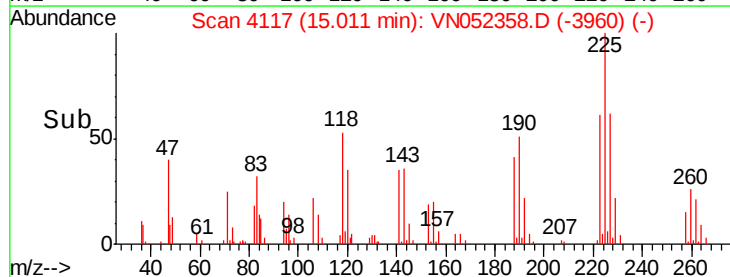
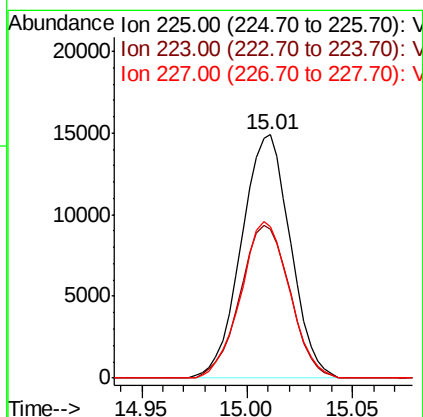
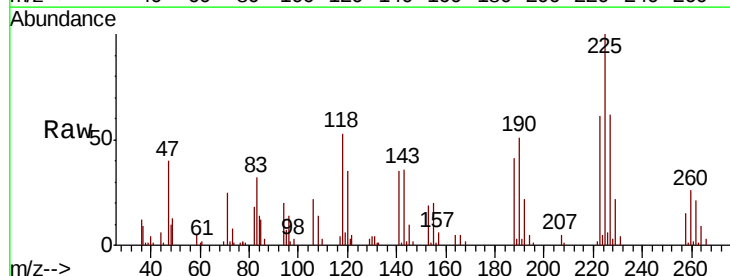
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD01

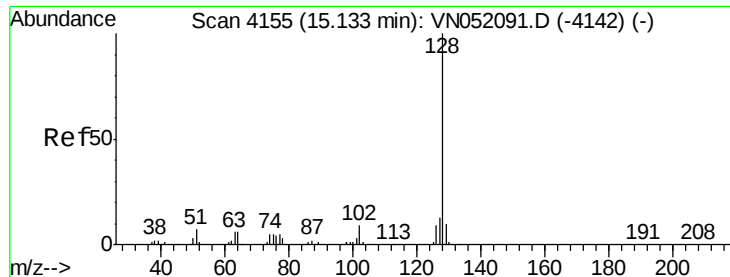
Tot Ion:180 Resp: 41912
 Ion Ratio Lower Upper
 180 100
 182 92.9 74.0 111.0
 145 29.9 24.6 36.8



#90
 Hexachlorobutadiene
 Concen: 22.259 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

Tgt Ion:225 Resp: 24067
 Ion Ratio Lower Upper
 225 100
 223 63.5 0.0 121.2
 227 63.9 0.0 127.2





#91

Naphthalene

Concen: 19.906 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

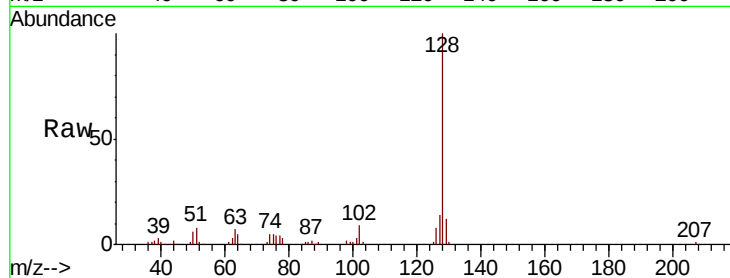
MSVOA_N

ClientSampleId :

VN1116WBSD01

Tot Ion:128 Resp: 90675

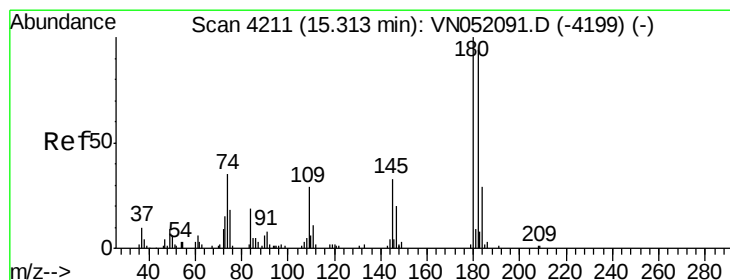
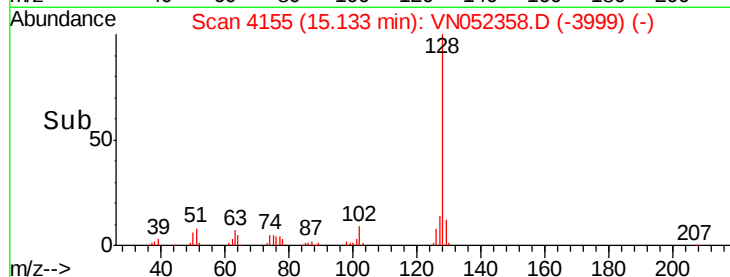
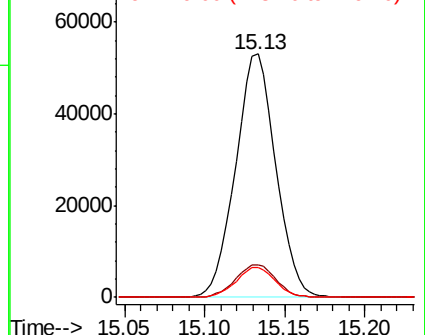
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.4	15.6
129	12.0	8.3	12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 22.149 ug/l

RT: 15.31 min Scan# 4211

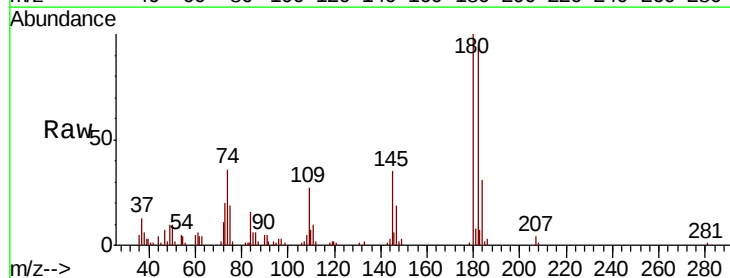
Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Tgt Ion:180 Resp: 38150

Ion	Ratio	Lower	Upper
180	100		
182	96.2	0.0	186.6
145	34.3	0.0	66.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

